



# FCC SAR Test Report

Report No. : FA340401-01

|  |              |     |      |     |    |               |       |      |       |   |                       |                 |                 |      |       |       |       |      |       |       |       |       |
|--|--------------|-----|------|-----|----|---------------|-------|------|-------|---|-----------------------|-----------------|-----------------|------|-------|-------|-------|------|-------|-------|-------|-------|
|  | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Front | 17mm | Ant 1 | - | DSI 4                 | 55830           | 3609            | Open | 19.08 | 20.00 | 1.236 | 62.9 | 1.006 | -0.06 | 0.231 | 0.287 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Back  | 18mm | Ant 1 | - | DSI 4                 | 55830           | 3609            | Open | 19.20 | 20.00 | 1.202 | 62.9 | 1.006 | 0.02  | 0.102 | 0.123 |
|  | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Back  | 18mm | Ant 1 | - | DSI 4                 | 55830           | 3609            | Open | 19.08 | 20.00 | 1.236 | 62.9 | 1.006 | 0.01  | 0.105 | 0.131 |
|  | LTE Band 48  | 20M | QPSK | 100 | 0  | -             | Back  | 18mm | Ant 1 | - | DSI 4                 | 55830           | 3609            | Open | 19.03 | 20.00 | 1.250 | 62.9 | 1.006 | -0.08 | 0.111 | 0.140 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 2 | - | DSI 3                 | 55830           | 3609            | Open | 19.40 | 21.00 | 1.445 | 62.9 | 1.006 | 0.04  | 0.020 | 0.029 |
|  | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 2 | - | DSI 3                 | 55830           | 3609            | Open | 19.28 | 21.00 | 1.486 | 62.9 | 1.006 | -0.15 | 0.016 | 0.024 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 2 | - | DSI 3                 | 55830           | 3609            | Open | 19.40 | 21.00 | 1.445 | 62.9 | 1.006 | 0.14  | 0.159 | 0.231 |
|  | LTE Band 48C | 20M | QPSK | 1   | 99 | -             | Back  | 5mm  | Ant 2 | - | DSI 3                 | 55830+<br>56028 | 3609+<br>3628.8 | Open | 14.26 | 15.00 | 1.186 | 62.9 | 1.006 | 0.01  | 0.045 | 0.054 |
|  | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 2 | - | DSI 3                 | 55830           | 3609            | Open | 19.28 | 21.00 | 1.486 | 62.9 | 1.006 | 0.01  | 0.121 | 0.181 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Front | 17mm | Ant 2 | - | DSI 4                 | 55830           | 3609            | Open | 19.40 | 21.00 | 1.445 | 62.9 | 1.006 | 0.04  | 0.146 | 0.212 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Back  | 18mm | Ant 2 | - | DSI 4                 | 55830           | 3609            | Open | 19.40 | 21.00 | 1.445 | 62.9 | 1.006 | 0.1   | 0.177 | 0.257 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | - | DSI 3                 | 55830           | 3609            | Open | 17.96 | 18.80 | 1.213 | 62.9 | 1.006 | 0.01  | 0.708 | 0.864 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | - | DSI 3                 | 55340           | 3560            | Open | 17.72 | 18.80 | 1.282 | 62.9 | 1.006 | 0.05  | 0.587 | 0.757 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | - | DSI 3                 | 56150           | 3641            | Open | 17.82 | 18.80 | 1.253 | 62.9 | 1.006 | -0.1  | 0.681 | 0.859 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | - | DSI 3                 | 56640           | 3690            | Open | 17.95 | 18.80 | 1.216 | 62.9 | 1.006 | -0.04 | 0.761 | 0.931 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | - | DSI 3<br>Simultaneous | 56640           | 3690            | Open | 16.83 | 18.00 | 1.309 | 62.9 | 1.006 | 0.03  | 0.600 | 0.790 |
|  | LTE Band 48C | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | - | DSI 3                 | 56640+<br>56442 | 3690+<br>3670.2 | Open | 16.47 | 17.50 | 1.268 | 62.9 | 1.006 | 0.03  | 0.526 | 0.671 |
|  | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 3 | - | DSI 3                 | 55830           | 3609            | Open | 17.82 | 18.80 | 1.253 | 62.9 | 1.006 | 0.18  | 0.616 | 0.777 |
|  | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 3 | - | DSI 3                 | 55340           | 3560            | Open | 17.69 | 18.80 | 1.291 | 62.9 | 1.006 | 0.02  | 0.477 | 0.620 |
|  | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 3 | - | DSI 3                 | 56150           | 3641            | Open | 17.75 | 18.80 | 1.274 | 62.9 | 1.006 | 0.06  | 0.601 | 0.770 |
|  | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 3 | - | DSI 3                 | 56640           | 3690            | Open | 17.77 | 18.80 | 1.268 | 62.9 | 1.006 | 0.06  | 0.669 | 0.853 |
|  | LTE Band 48  | 20M | QPSK | 100 | 0  | -             | Front | 5mm  | Ant 3 | - | DSI 3                 | 55830           | 3609            | Open | 17.86 | 18.80 | 1.242 | 62.9 | 1.006 | -0.1  | 0.616 | 0.769 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 3 | - | DSI 3                 | 55830           | 3609            | Open | 17.96 | 18.80 | 1.213 | 62.9 | 1.006 | 0.19  | 0.675 | 0.824 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 3 | - | DSI 3                 | 55340           | 3560            | Open | 17.72 | 18.80 | 1.282 | 62.9 | 1.006 | -0.17 | 0.538 | 0.694 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 3 | - | DSI 3                 | 56150           | 3641            | Open | 17.82 | 18.80 | 1.253 | 62.9 | 1.006 | -0.16 | 0.681 | 0.859 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 3 | - | DSI 3                 | 56640           | 3690            | Open | 17.95 | 18.80 | 1.216 | 62.9 | 1.006 | 0.03  | 0.734 | 0.898 |
|  | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 3 | - | DSI 3                 | 55830           | 3609            | Open | 17.82 | 18.80 | 1.253 | 62.9 | 1.006 | 0.16  | 0.577 | 0.727 |
|  | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 3 | - | DSI 3                 | 55340           | 3560            | Open | 17.69 | 18.80 | 1.291 | 62.9 | 1.006 | 0.11  | 0.436 | 0.566 |
|  | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 3 | - | DSI 3                 | 56150           | 3641            | Open | 17.75 | 18.80 | 1.274 | 62.9 | 1.006 | 0.08  | 0.583 | 0.747 |
|  | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 3 | - | DSI 3                 | 56640           | 3690            | Open | 17.77 | 18.80 | 1.268 | 62.9 | 1.006 | -0.15 | 0.651 | 0.830 |
|  | LTE Band 48  | 20M | QPSK | 100 | 0  | -             | Back  | 5mm  | Ant 3 | - | DSI 3                 | 55830           | 3609            | Open | 17.86 | 18.80 | 1.242 | 62.9 | 1.006 | 0.01  | 0.577 | 0.721 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Front | 17mm | Ant 3 | - | DSI 4                 | 55830           | 3609            | Open | 21.90 | 23.00 | 1.288 | 62.9 | 1.006 | 0.01  | 0.088 | 0.114 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Back  | 18mm | Ant 3 | - | DSI 4                 | 55830           | 3609            | Open | 21.90 | 23.00 | 1.288 | 62.9 | 1.006 | 0.09  | 0.041 | 0.053 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 5 | - | DSI 3                 | 55830           | 3609            | Open | 18.27 | 19.40 | 1.297 | 62.9 | 1.006 | 0.17  | 0.526 | 0.686 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 5 | - | DSI 3                 | 55340           | 3560            | Open | 18.11 | 19.40 | 1.346 | 62.9 | 1.006 | 0.09  | 0.667 | 0.903 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 5 | - | DSI 3                 | 56150           | 3641            | Open | 18.17 | 19.40 | 1.327 | 62.9 | 1.006 | 0.05  | 0.541 | 0.722 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 5 | - | DSI 3                 | 56640           | 3690            | Open | 17.96 | 19.40 | 1.393 | 62.9 | 1.006 | 0.07  | 0.483 | 0.677 |
|  | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 5 | - | DSI 3                 | 55830           | 3609            | Open | 18.19 | 19.40 | 1.321 | 62.9 | 1.006 | -0.03 | 0.520 | 0.691 |
|  | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 5 | - | DSI 3                 | 55340           | 3560            | Open | 18.11 | 19.40 | 1.346 | 62.9 | 1.006 | -0.05 | 0.584 | 0.791 |
|  | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 5 | - | DSI 3                 | 56150           | 3641            | Open | 18.10 | 19.40 | 1.349 | 62.9 | 1.006 | 0.08  | 0.467 | 0.634 |
|  | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 5 | - | DSI 3                 | 56640           | 3690            | Open | 17.84 | 19.40 | 1.432 | 62.9 | 1.006 | -0.08 | 0.406 | 0.585 |
|  | LTE Band 48  | 20M | QPSK | 100 | 0  | -             | Front | 5mm  | Ant 5 | - | DSI 3                 | 55830           | 3609            | Open | 18.05 | 19.40 | 1.365 | 62.9 | 1.006 | 0.07  | 0.520 | 0.714 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 5 | - | DSI 3                 | 55830           | 3609            | Open | 18.27 | 19.40 | 1.297 | 62.9 | 1.006 | 0.15  | 0.609 | 0.795 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 5 | - | DSI 3                 | 55340           | 3560            | Open | 18.11 | 19.40 | 1.346 | 62.9 | 1.006 | -0.02 | 0.692 | 0.937 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 5 | - | DSI 3<br>Simultaneous | 55340           | 3560            | Open | 17.05 | 18.60 | 1.429 | 62.9 | 1.006 | -0.17 | 0.528 | 0.759 |
|  | LTE Band 48C | 20M | QPSK | 1   | 99 | -             | Back  | 5mm  | Ant 5 | - | DSI 3                 | 55340+<br>55538 | 3560+<br>3579.8 | Open | 17.30 | 18.00 | 1.175 | 62.9 | 1.006 | 0.01  | 0.548 | 0.648 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 5 | - | DSI 3                 | 56150           | 3641            | Open | 18.17 | 19.40 | 1.327 | 62.9 | 1.006 | 0.05  | 0.535 | 0.714 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 5 | - | DSI 3                 | 56640           | 3690            | Open | 17.96 | 19.40 | 1.393 | 62.9 | 1.006 | 0.17  | 0.455 | 0.638 |
|  | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 5 | - | DSI 3                 | 55830           | 3609            | Open | 18.19 | 19.40 | 1.321 | 62.9 | 1.006 | 0.04  | 0.547 | 0.727 |
|  | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 5 | - | DSI 3                 | 55340           | 3560            | Open | 18.11 | 19.40 | 1.346 | 62.9 | 1.006 | 0.04  | 0.621 | 0.841 |
|  | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 5 | - | DSI 3                 | 56150           | 3641            | Open | 18.10 | 19.40 | 1.349 | 62.9 | 1.006 | 0.15  | 0.477 | 0.647 |
|  | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 5 | - | DSI 3                 | 56640           | 3690            | Open | 17.84 | 19.40 | 1.432 | 62.9 | 1.006 | 0.06  | 0.397 | 0.572 |
|  | LTE Band 48  | 20M | QPSK | 100 | 0  | -             | Back  | 5mm  | Ant 5 | - | DSI 3                 | 55830           | 3609            | Open | 18.05 | 19.40 | 1.365 | 62.9 | 1.006 | 0.15  | 0.544 | 0.747 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Front | 17mm | Ant 5 | - | DSI 4                 | 55830           | 3609            | Open | 22.63 | 24.00 | 1.371 | 62.9 | 1.006 | 0.01  | 0.077 | 0.106 |
|  | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Back  | 18mm | Ant 5 | - | DSI 4                 | 55830           | 3609            | Open | 22.63 | 24.00 | 1.371 | 62.9 | 1.006 | 0.06  | 0.101 | 0.139 |
|  | FR1 n48      | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | - | DSI 3                 | 641666          | 3624.99         | Open | 19.74 | 21.10 | 1.368 | -    | -     | 0.05  | 0.669 | 0.915 |



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|----|---------|-----|------|-----|----|---------------|-------|------|-------|---------|-----------------------|--------|---------|------|-------|-------|-------|---|---|-------|-------|-------|
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | -       | DSI 3<br>Simultaneous | 641666 | 3624.99 | Open | 19.28 | 20.30 | 1.265 | - | - | -0.06 | 0.528 | 0.668 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | -       | DSI 3                 | 638000 | 3570    | Open | 19.45 | 21.10 | 1.462 | - | - | 0.05  | 0.564 | 0.825 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | -       | DSI 3                 | 645332 | 3679.98 | Open | 19.57 | 21.10 | 1.422 | - | - | 0.17  | 0.617 | 0.878 |
|    | FR1 n48 | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | -       | DSI 3                 | 641666 | 3624.99 | Open | 19.72 | 21.10 | 1.374 | - | - | -0.08 | 0.631 | 0.867 |
|    | FR1 n48 | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | -       | DSI 3                 | 638000 | 3570    | Open | 19.33 | 21.10 | 1.503 | - | - | 0.04  | 0.573 | 0.861 |
|    | FR1 n48 | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | -       | DSI 3                 | 645332 | 3679.98 | Open | 19.51 | 21.10 | 1.442 | - | - | -0.05 | 0.543 | 0.783 |
|    | FR1 n48 | 40M | QPSK | 100 | 0  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | -       | DSI 3                 | 641666 | 3624.99 | Open | 19.56 | 21.10 | 1.426 | - | - | -0.19 | 0.618 | 0.881 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | -       | DSI 3                 | 641666 | 3624.99 | Open | 19.74 | 21.10 | 1.368 | - | - | -0.07 | 0.649 | 0.888 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | -       | DSI 3                 | 638000 | 3570    | Open | 19.45 | 21.10 | 1.462 | - | - | 0.15  | 0.596 | 0.871 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | -       | DSI 3                 | 645332 | 3679.98 | Open | 19.57 | 21.10 | 1.422 | - | - | -0.05 | 0.559 | 0.795 |
|    | FR1 n48 | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | -       | DSI 3                 | 641666 | 3624.99 | Open | 19.72 | 21.10 | 1.374 | - | - | 0.08  | 0.581 | 0.798 |
|    | FR1 n48 | 40M | QPSK | 100 | 0  | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | -       | DSI 3                 | 641666 | 3624.99 | Open | 19.56 | 21.10 | 1.426 | - | - | -0.11 | 0.526 | 0.750 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 17mm | Ant 5 | -       | DSI 4                 | 641666 | 3624.99 | Open | 24.82 | 25.50 | 1.169 | - | - | 0.07  | 0.212 | 0.248 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 5 | -       | DSI 4                 | 641666 | 3624.99 | Open | 24.82 | 25.50 | 1.169 | - | - | 0.01  | 0.063 | 0.074 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | -       | DSI 3                 | 641666 | 3624.99 | Open | 21.75 | 23.00 | 1.334 | - | - | 0.06  | 0.676 | 0.901 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | -       | DSI 3<br>Simultaneous | 641666 | 3624.99 | Open | 21.34 | 22.20 | 1.219 | - | - | -0.06 | 0.602 | 0.734 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | -       | DSI 3                 | 638000 | 3570    | Open | 21.66 | 23.00 | 1.361 | - | - | -0.02 | 0.637 | 0.867 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | -       | DSI 3                 | 645332 | 3679.98 | Open | 21.68 | 23.00 | 1.355 | - | - | 0.08  | 0.641 | 0.869 |
|    | FR1 n48 | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | -       | DSI 3                 | 641666 | 3624.99 | Open | 21.69 | 23.00 | 1.352 | - | - | -0.06 | 0.650 | 0.879 |
|    | FR1 n48 | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | -       | DSI 3                 | 638000 | 3570    | Open | 21.55 | 23.00 | 1.396 | - | - | 0.04  | 0.615 | 0.859 |
|    | FR1 n48 | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | -       | DSI 3                 | 645332 | 3679.98 | Open | 21.53 | 23.00 | 1.403 | - | - | 0.17  | 0.635 | 0.891 |
|    | FR1 n48 | 40M | QPSK | 100 | 0  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | -       | DSI 3                 | 641666 | 3624.99 | Open | 21.66 | 23.00 | 1.361 | - | - | 0.18  | 0.497 | 0.677 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | -       | DSI 3                 | 641666 | 3624.99 | Open | 21.75 | 23.00 | 1.334 | - | - | 0.04  | 0.469 | 0.625 |
|    | FR1 n48 | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | -       | DSI 3                 | 641666 | 3624.99 | Open | 21.69 | 23.00 | 1.352 | - | - | 0.08  | 0.453 | 0.612 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 17mm | Ant 1 | -       | DSI 4                 | 641666 | 3624.99 | Open | 21.75 | 23.00 | 1.334 | - | - | 0.01  | 0.189 | 0.252 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 1 | -       | DSI 4                 | 641666 | 3624.99 | Open | 21.75 | 23.00 | 1.334 | - | - | -0.05 | 0.201 | 0.268 |
| 93 | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | -       | DSI 3                 | 641666 | 3624.99 | Open | 22.40 | 23.80 | 1.380 | - | - | 0.06  | 0.931 | 1.285 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | Headset | DSI 3                 | 641666 | 3624.99 | Open | 22.40 | 23.80 | 1.380 | - | - | -0.17 | 0.918 | 1.267 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | -       | DSI 3                 | 638000 | 3570    | Open | 22.30 | 23.80 | 1.413 | - | - | 0.09  | 0.888 | 1.254 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | -       | DSI 3                 | 645332 | 3679.98 | Open | 22.32 | 23.80 | 1.406 | - | - | 0.17  | 0.875 | 1.230 |
|    | FR1 n48 | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | -       | DSI 3                 | 641666 | 3624.99 | Open | 22.32 | 23.80 | 1.406 | - | - | -0.08 | 0.868 | 1.220 |
|    | FR1 n48 | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | -       | DSI 3                 | 638000 | 3570    | Open | 22.12 | 23.80 | 1.472 | - | - | -0.02 | 0.787 | 1.159 |
|    | FR1 n48 | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | -       | DSI 3                 | 645332 | 3679.98 | Open | 22.17 | 23.80 | 1.455 | - | - | -0.05 | 0.834 | 1.214 |
|    | FR1 n48 | 40M | QPSK | 100 | 0  | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | -       | DSI 3                 | 641666 | 3624.99 | Open | 22.25 | 23.00 | 1.189 | - | - | 0.06  | 0.723 | 0.859 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | -       | DSI 3                 | 641666 | 3624.99 | Open | 22.40 | 23.80 | 1.380 | - | - | 0.07  | 0.851 | 1.175 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | -       | DSI 3                 | 638000 | 3570    | Open | 22.30 | 23.80 | 1.413 | - | - | 0.06  | 0.811 | 1.146 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | -       | DSI 3                 | 645332 | 3679.98 | Open | 22.32 | 23.80 | 1.406 | - | - | -0.11 | 0.753 | 1.059 |
|    | FR1 n48 | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | -       | DSI 3                 | 641666 | 3624.99 | Open | 22.32 | 23.80 | 1.406 | - | - | -0.11 | 0.877 | 1.233 |
|    | FR1 n48 | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | Headset | DSI 3                 | 641666 | 3624.99 | Open | 22.32 | 23.80 | 1.406 | - | - | 0.05  | 0.811 | 1.140 |
|    | FR1 n48 | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | -       | DSI 3                 | 638000 | 3570    | Open | 22.12 | 23.80 | 1.472 | - | - | -0.08 | 0.790 | 1.163 |
|    | FR1 n48 | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | -       | DSI 3                 | 645332 | 3679.98 | Open | 22.17 | 23.80 | 1.455 | - | - | 0.18  | 0.845 | 1.230 |
|    | FR1 n48 | 40M | QPSK | 100 | 0  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | -       | DSI 3                 | 641666 | 3624.99 | Open | 22.25 | 23.00 | 1.189 | - | - | -0.09 | 0.710 | 0.844 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 17mm | Ant 2 | -       | DSI 4                 | 641666 | 3624.99 | Open | 22.40 | 24.00 | 1.445 | - | - | 0.03  | 0.124 | 0.179 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 2 | -       | DSI 4                 | 641666 | 3624.99 | Open | 22.40 | 24.00 | 1.445 | - | - | -0.05 | 0.133 | 0.192 |
|    | FR1 n48 | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Back  | 18mm | Ant 2 | -       | DSI 4                 | 641666 | 3624.99 | Open | 22.32 | 24.00 | 1.472 | - | - | 0.1   | 0.182 | 0.268 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | -       | DSI 3                 | 641666 | 3624.99 | Open | 16.97 | 18.10 | 1.297 | - | - | 0.04  | 0.663 | 0.860 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | -       | DSI 3                 | 638000 | 3570    | Open | 16.77 | 18.10 | 1.358 | - | - | -0.05 | 0.596 | 0.810 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | -       | DSI 3                 | 645332 | 3679.98 | Open | 16.73 | 18.10 | 1.371 | - | - | -0.17 | 0.576 | 0.790 |
|    | FR1 n48 | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | -       | DSI 3                 | 641666 | 3624.99 | Open | 16.74 | 18.10 | 1.368 | - | - | 0.04  | 0.673 | 0.920 |
|    | FR1 n48 | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | -       | DSI 3<br>Simultaneous | 641666 | 3624.99 | Open | 16.34 | 17.30 | 1.247 | - | - | -0.19 | 0.611 | 0.762 |
|    | FR1 n48 | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | -       | DSI 3                 | 638000 | 3570    | Open | 16.72 | 18.10 | 1.374 | - | - | -0.06 | 0.656 | 0.901 |
|    | FR1 n48 | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | -       | DSI 3                 | 645332 | 3679.98 | Open | 16.73 | 18.10 | 1.371 | - | - | 0.06  | 0.574 | 0.787 |
|    | FR1 n48 | 40M | QPSK | 100 | 0  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | -       | DSI 3                 | 641666 | 3624.99 | Open | 16.85 | 18.10 | 1.334 | - | - | -0.08 | 0.613 | 0.817 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 3 | -       | DSI 3                 | 641666 | 3624.99 | Open | 16.97 | 18.10 | 1.297 | - | - | 0.03  | 0.550 | 0.713 |
|    | FR1 n48 | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Back  | 5mm  | Ant 3 | -       | DSI 3                 | 641666 | 3624.99 | Open | 16.74 | 18.10 | 1.368 | - | - | 0.08  | 0.520 | 0.711 |
|    | FR1 n48 | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 17mm | Ant 3 | -       | DSI 4                 | 641666 | 3624.99 | Open | 23.91 | 24.50 | 1.146 | - | - | 0     | 0.075 | 0.086 |
|    | FR1 n48 | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Front | 17mm | Ant 3 | -       | DSI 4                 | 641666 | 3624.99 | Open | 23.78 | 24.50 | 1.180 | - | - | 0.09  | 0.086 | 0.102 |



# FCC SAR Test Report

Report No. : FA340401-01

|    |                  |      |      |     |    |               |       |      |       |         |                       |        |         |      |       |       |       |    |       |       |       |       |
|----|------------------|------|------|-----|----|---------------|-------|------|-------|---------|-----------------------|--------|---------|------|-------|-------|-------|----|-------|-------|-------|-------|
|    | FR1 n48          | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 3 | -       | DSI 4                 | 641666 | 3624.99 | Open | 23.91 | 24.50 | 1.146 | -  | -     | 0.01  | 0.039 | 0.045 |
|    | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | -       | DSI 3                 | 656000 | 3840    | Open | 17.52 | 19.00 | 1.406 | -  | -     | -0.09 | 0.188 | 0.264 |
|    | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | -       | DSI 3<br>Simultaneous | 656000 | 3840    | Open | 17.00 | 18.20 | 1.318 | -  | -     | -0.11 | 0.172 | 0.227 |
|    | FR1 n77 Main PA  | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | -       | DSI 3                 | 656000 | 3840    | Open | 17.45 | 19.00 | 1.429 | -  | -     | -0.08 | 0.172 | 0.246 |
|    | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | -       | DSI 3                 | 656000 | 3840    | Open | 17.32 | 19.00 | 1.472 | -  | -     | -0.14 | 0.104 | 0.153 |
|    | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | -       | DSI 3                 | 656000 | 3840    | Open | 17.52 | 19.00 | 1.406 | -  | -     | -0.17 | 0.119 | 0.167 |
|    | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | -       | DSI 3                 | 656000 | 3840    | Open | 17.32 | 19.00 | 1.472 | -  | -     | -0.05 | 0.085 | 0.125 |
|    | FR1 n77_PC2      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | -       | DSI 3                 | 656000 | 3840    | Open | 20.57 | 22.00 | 1.390 | 50 | 1.000 | 0.09  | 0.174 | 0.242 |
|    | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 17mm | Ant 1 | -       | DSI 4                 | 656000 | 3840    | Open | 24.07 | 24.50 | 1.104 | -  | -     | 0.02  | 0.055 | 0.061 |
|    | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 1 | -       | DSI 4                 | 656000 | 3840    | Open | 24.07 | 24.50 | 1.104 | -  | -     | 0.01  | 0.021 | 0.023 |
|    | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | -       | DSI 3                 | 633334 | 3500.01 | Open | 17.75 | 19.00 | 1.334 | -  | -     | 0.09  | 0.690 | 0.920 |
|    | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | -       | DSI 3<br>Simultaneous | 633334 | 3500.01 | Open | 17.04 | 18.20 | 1.306 | -  | -     | 0.09  | 0.589 | 0.769 |
|    | FR1 n77 Main PA  | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | -       | DSI 3                 | 633334 | 3500.01 | Open | 17.69 | 19.00 | 1.352 | -  | -     | -0.11 | 0.675 | 0.913 |
|    | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | -       | DSI 3                 | 633334 | 3500.01 | Open | 17.70 | 19.00 | 1.349 | -  | -     | 0.11  | 0.475 | 0.641 |
|    | FR1 n77          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | -       | DSI 3                 | 633334 | 3500.01 | Open | 17.63 | 19.00 | 1.371 | -  | -     | 0.12  | 0.423 | 0.580 |
|    | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | -       | DSI 3                 | 633334 | 3500.01 | Open | 17.75 | 19.00 | 1.334 | -  | -     | 0.09  | 0.456 | 0.608 |
|    | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | -       | DSI 3                 | 633334 | 3500.01 | Open | 17.70 | 19.00 | 1.349 | -  | -     | 0.02  | 0.292 | 0.394 |
|    | FR1 n77          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | -       | DSI 3                 | 633334 | 3500.01 | Open | 17.63 | 19.00 | 1.371 | -  | -     | -0.02 | 0.279 | 0.382 |
|    | FR1 n77_PC2      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | -       | DSI 3                 | 633334 | 3500.01 | Open | 20.65 | 22.00 | 1.365 | 50 | 1.000 | 0.06  | 0.669 | 0.913 |
|    | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 17mm | Ant 1 | -       | DSI 4                 | 633334 | 3500.01 | Open | 24.31 | 24.50 | 1.045 | -  | -     | 0.02  | 0.206 | 0.215 |
|    | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 1 | -       | DSI 4                 | 633334 | 3500.01 | Open | 24.31 | 24.50 | 1.045 | -  | -     | 0.01  | 0.096 | 0.100 |
|    | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | -       | DSI 3                 | 656000 | 3840    | Open | 22.09 | 23.40 | 1.352 | -  | -     | 0.08  | 0.643 | 0.869 |
|    | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | -       | DSI 3                 | 656000 | 3840    | Open | 21.93 | 23.40 | 1.403 | -  | -     | 0.02  | 0.632 | 0.887 |
|    | FR1 n77          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | -       | DSI 3                 | 656000 | 3840    | Open | 21.84 | 23.40 | 1.432 | -  | -     | 0.14  | 0.516 | 0.739 |
|    | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | -       | DSI 3                 | 656000 | 3840    | Open | 22.09 | 23.40 | 1.352 | -  | -     | -0.07 | 0.852 | 1.152 |
|    | FR1 n77 Main PA  | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | -       | DSI 3                 | 656000 | 3840    | Open | 22.33 | 23.00 | 1.167 | -  | -     | 0.12  | 0.865 | 1.009 |
|    | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | -       | DSI 3                 | 656000 | 3840    | Open | 21.93 | 23.40 | 1.403 | -  | -     | -0.01 | 0.747 | 1.048 |
|    | FR1 n77          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | -       | DSI 3                 | 656000 | 3840    | Open | 21.84 | 23.40 | 1.432 | -  | -     | 0.08  | 0.519 | 0.743 |
|    | FR1 n77_PC2      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | -       | DSI 3                 | 656000 | 3840    | Open | 24.99 | 26.40 | 1.384 | 50 | 1.000 | -0.08 | 0.824 | 1.140 |
|    | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 17mm | Ant 2 | -       | DSI 4                 | 656000 | 3840    | Open | 23.65 | 24.00 | 1.084 | -  | -     | 0.03  | 0.138 | 0.150 |
|    | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 17mm | Ant 2 | -       | DSI 4                 | 656000 | 3840    | Open | 23.50 | 24.00 | 1.122 | -  | -     | -0.05 | 0.144 | 0.162 |
|    | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 2 | -       | DSI 4                 | 656000 | 3840    | Open | 23.65 | 24.00 | 1.084 | -  | -     | 0.02  | 0.156 | 0.169 |
|    | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | -       | DSI 3                 | 633334 | 3500.01 | Open | 22.54 | 23.40 | 1.219 | -  | -     | -0.04 | 0.977 | 1.191 |
| 94 | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | -       | DSI 3                 | 633334 | 3500.01 | Open | 22.44 | 23.40 | 1.247 | -  | -     | -0.09 | 1.030 | 1.285 |
|    | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | Headset | DSI 3                 | 633334 | 3500.01 | Open | 22.44 | 23.40 | 1.247 | -  | -     | 0.09  | 1.000 | 1.247 |
|    | FR1 n77 Main PA  | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | -       | DSI 3                 | 633334 | 3500.01 | Open | 21.94 | 23.00 | 1.276 | -  | -     | -0.02 | 0.978 | 1.248 |
|    | FR1 n77          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | -       | DSI 3                 | 633334 | 3500.01 | Open | 22.16 | 23.40 | 1.330 | -  | -     | -0.1  | 0.800 | 1.064 |
|    | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | -       | DSI 3                 | 633334 | 3500.01 | Open | 22.54 | 23.40 | 1.219 | -  | -     | -0.19 | 0.789 | 0.962 |
|    | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | -       | DSI 3                 | 633334 | 3500.01 | Open | 22.44 | 23.40 | 1.247 | -  | -     | -0.07 | 0.816 | 1.018 |
|    | FR1 n77_PC2      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | -       | DSI 3                 | 633334 | 3500.01 | Open | 25.42 | 26.40 | 1.253 | 50 | 1.000 | -0.17 | 0.978 | 1.226 |
|    | FR1 n77          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | -       | DSI 3                 | 633334 | 3500.01 | Open | 22.16 | 23.40 | 1.330 | -  | -     | 0.03  | 0.758 | 1.008 |
|    | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 17mm | Ant 2 | -       | DSI 4                 | 633334 | 3500.01 | Open | 23.97 | 24.00 | 1.007 | -  | -     | 0.01  | 0.222 | 0.224 |
|    | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 17mm | Ant 2 | -       | DSI 4                 | 633334 | 3500.01 | Open | 23.92 | 24.00 | 1.019 | -  | -     | 0.09  | 0.231 | 0.235 |
|    | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 2 | -       | DSI 4                 | 633334 | 3500.01 | Open | 23.97 | 24.00 | 1.007 | -  | -     | 0.02  | 0.185 | 0.186 |
|    | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 18mm | Ant 2 | -       | DSI 4                 | 633334 | 3500.01 | Open | 23.92 | 24.00 | 1.019 | -  | -     | 0.01  | 0.231 | 0.235 |
|    | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | -       | DSI 3                 | 656000 | 3840    | Open | 16.72 | 17.90 | 1.312 | -  | -     | 0.09  | 0.694 | 0.911 |
|    | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | -       | DSI 3<br>Simultaneous | 656000 | 3840    | Open | 15.80 | 17.10 | 1.349 | -  | -     | -0.02 | 0.582 | 0.785 |
|    | FR1 n77 Other PA | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | -       | DSI 3                 | 656000 | 3840    | Open | 16.46 | 17.90 | 1.393 | -  | -     | -0.1  | 0.653 | 0.910 |
|    | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | -       | DSI 3                 | 656000 | 3840    | Open | 16.58 | 17.90 | 1.355 | -  | -     | -0.01 | 0.538 | 0.729 |
|    | FR1 n77          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | -       | DSI 3                 | 656000 | 3840    | Open | 16.54 | 17.90 | 1.368 | -  | -     | 0.09  | 0.416 | 0.569 |
|    | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 3 | -       | DSI 3                 | 656000 | 3840    | Open | 16.72 | 17.90 | 1.312 | -  | -     | -0.13 | 0.516 | 0.677 |
|    | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 3 | -       | DSI 3                 | 656000 | 3840    | Open | 16.58 | 17.90 | 1.355 | -  | -     | -0.17 | 0.429 | 0.581 |
|    | FR1 n77_PC2      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | -       | DSI 3                 | 656000 | 3840    | Open | 19.85 | 20.90 | 1.274 | 50 | 1.000 | 0.09  | 0.694 | 0.884 |
|    | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 17mm | Ant 3 | -       | DSI 4                 | 656000 | 3840    | Open | 23.75 | 24.50 | 1.189 | -  | -     | 0.01  | 0.411 | 0.488 |
|    | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 3 | -       | DSI 4                 | 656000 | 3840    | Open | 23.75 | 24.50 | 1.189 | -  | -     | 0.09  | 0.423 | 0.503 |
|    | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | -       | DSI 3                 | 633334 | 3500.01 | Open | 16.99 | 17.90 | 1.233 | -  | -     | -0.09 | 0.599 | 0.739 |
|    | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | -       | DSI 3                 | 633334 | 3500.01 | Open | 16.74 | 17.90 | 1.306 | -  | -     | -0.15 | 0.573 | 0.748 |



# FCC SAR Test Report

Report No. : FA340401-01

|  |                  |      |      |     |    |               |       |      |       |   |                       |        |         |      |       |       |       |    |       |       |       |       |
|--|------------------|------|------|-----|----|---------------|-------|------|-------|---|-----------------------|--------|---------|------|-------|-------|-------|----|-------|-------|-------|-------|
|  | FR1 n77          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | - | DSI 3                 | 633334 | 3500.01 | Open | 16.67 | 17.90 | 1.327 | -  | -     | -0.11 | 0.622 | 0.826 |
|  | FR1 n77          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | - | DSI 3<br>Simultaneous | 633334 | 3500.01 | Open | 15.80 | 17.10 | 1.349 | -  | -     | -0.01 | 0.554 | 0.747 |
|  | FR1 n77 Other PA | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | - | DSI 3                 | 633334 | 3500.01 | Open | 16.60 | 17.90 | 1.349 | -  | -     | -0.07 | 0.575 | 0.776 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 3 | - | DSI 3                 | 633334 | 3500.01 | Open | 16.99 | 17.90 | 1.233 | -  | -     | 0.03  | 0.402 | 0.496 |
|  | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 3 | - | DSI 3                 | 633334 | 3500.01 | Open | 16.74 | 17.90 | 1.306 | -  | -     | 0.17  | 0.389 | 0.508 |
|  | FR1 n77_PC2      | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | - | DSI 3                 | 633334 | 3500.01 | Open | 19.76 | 20.90 | 1.300 | 50 | 1.000 | -0.11 | 0.599 | 0.779 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 17mm | Ant 3 | - | DSI 4                 | 633334 | 3500.01 | Open | 23.92 | 24.50 | 1.143 | -  | -     | 0.01  | 0.355 | 0.406 |
|  | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 17mm | Ant 3 | - | DSI 4                 | 633334 | 3500.01 | Open | 23.75 | 24.50 | 1.189 | -  | -     | -0.05 | 0.369 | 0.439 |
|  | FR1 n77          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front | 17mm | Ant 3 | - | DSI 4                 | 633334 | 3500.01 | Open | 23.71 | 24.50 | 1.199 | -  | -     | 0.01  | 0.401 | 0.481 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 3 | - | DSI 4                 | 633334 | 3500.01 | Open | 23.92 | 24.50 | 1.143 | -  | -     | -0.03 | 0.092 | 0.105 |
|  | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 18mm | Ant 3 | - | DSI 4                 | 633334 | 3500.01 | Open | 23.75 | 24.50 | 1.189 | -  | -     | 0.01  | 0.095 | 0.113 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | - | DSI 3                 | 656000 | 3840    | Open | 19.55 | 20.50 | 1.245 | -  | -     | -0.08 | 0.397 | 0.494 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | - | DSI 3<br>Simultaneous | 656000 | 3840    | Open | 19.01 | 19.70 | 1.172 | -  | -     | -0.07 | 0.324 | 0.380 |
|  | FR1 n77 Other PA | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | - | DSI 3                 | 656000 | 3840    | Open | 19.35 | 20.50 | 1.303 | -  | -     | -0.1  | 0.377 | 0.491 |
|  | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | - | DSI 3                 | 656000 | 3840    | Open | 19.45 | 20.50 | 1.274 | -  | -     | -0.08 | 0.314 | 0.400 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | - | DSI 3                 | 656000 | 3840    | Open | 19.55 | 20.50 | 1.245 | -  | -     | 0.09  | 0.268 | 0.334 |
|  | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | - | DSI 3                 | 656000 | 3840    | Open | 19.45 | 20.50 | 1.274 | -  | -     | 0.02  | 0.286 | 0.364 |
|  | FR1 n77_PC2      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | - | DSI 3                 | 656000 | 3840    | Open | 22.45 | 23.50 | 1.274 | 50 | 1.000 | 0.05  | 0.384 | 0.489 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 17mm | Ant 5 | - | DSI 4                 | 656000 | 3840    | Open | 24.48 | 25.00 | 1.127 | -  | -     | 0.06  | 0.401 | 0.452 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 5 | - | DSI 4                 | 656000 | 3840    | Open | 24.48 | 25.00 | 1.127 | -  | -     | -0.05 | 0.088 | 0.099 |
|  | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 18mm | Ant 5 | - | DSI 4                 | 656000 | 3840    | Open | 24.45 | 25.00 | 1.135 | -  | -     | 0.01  | 0.091 | 0.103 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | - | DSI 3                 | 633334 | 3500.01 | Open | 19.35 | 20.50 | 1.303 | -  | -     | -0.02 | 0.703 | 0.916 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | - | DSI 3<br>Simultaneous | 633334 | 3500.01 | Open | 18.73 | 19.70 | 1.250 | -  | -     | -0.07 | 0.627 | 0.784 |
|  | FR1 n77 Other PA | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | - | DSI 3                 | 633334 | 3500.01 | Open | 19.16 | 20.50 | 1.361 | -  | -     | 0.09  | 0.671 | 0.914 |
|  | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | - | DSI 3                 | 633334 | 3500.01 | Open | 19.29 | 20.50 | 1.321 | -  | -     | 0.04  | 0.683 | 0.902 |
|  | FR1 n77          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | - | DSI 3                 | 633334 | 3500.01 | Open | 19.27 | 20.50 | 1.327 | -  | -     | 0.12  | 0.525 | 0.697 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | - | DSI 3                 | 633334 | 3500.01 | Open | 19.35 | 20.50 | 1.303 | -  | -     | 0.15  | 0.639 | 0.833 |
|  | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | - | DSI 3                 | 633334 | 3500.01 | Open | 19.29 | 20.50 | 1.321 | -  | -     | 0.03  | 0.451 | 0.596 |
|  | FR1 n77          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | - | DSI 3                 | 633334 | 3500.01 | Open | 19.27 | 20.50 | 1.327 | -  | -     | 0.02  | 0.498 | 0.661 |
|  | FR1 n77_PC2      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | - | DSI 3                 | 633334 | 3500.01 | Open | 22.32 | 23.50 | 1.312 | 50 | 1.000 | -0.02 | 0.685 | 0.899 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 17mm | Ant 5 | - | DSI 4                 | 633334 | 3500.01 | Open | 24.45 | 25.00 | 1.135 | -  | -     | 0.01  | 0.105 | 0.119 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 5 | - | DSI 4                 | 633334 | 3500.01 | Open | 24.45 | 25.00 | 1.135 | -  | -     | -0.08 | 0.095 | 0.108 |



# FCC SAR Test Report

Report No. : FA340401-01

| Plot No. | Band        | Mode                | Test Position | Gap (mm) | Antenna    | Headset | Power State          | Ch. | Freq. (MHz) | EUT Flip State | 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) |
|----------|-------------|---------------------|---------------|----------|------------|---------|----------------------|-----|-------------|----------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
| WLAN&BT  |             |                     |               |          |            |         |                      |     |             |                |                     |                     |                        |              |                           |                  |                        |                        |
|          | WLAN2.4GHz  | 802.11b 1Mbps       | Front         | 5mm      | Ant 4+6(6) |         | Standalone           | 1   | 2412        | Open           | 18.56               | 20.00               | 1.393                  | 100          | 1.000                     | 0.01             | 0.833                  | 1.160                  |
|          | WLAN2.4GHz  | 802.11b 1Mbps       | Front         | 5mm      | Ant 4+6(4) |         | Standalone           | 6   | 2437        | Open           | 18.98               | 20.50               | 1.419                  | 100          | 1.000                     | -0.04            | 0.813                  | 1.154                  |
|          | WLAN2.4GHz  | 802.11b 1Mbps       | Back          | 5mm      | Ant 4+6(6) |         | Standalone           | 1   | 2412        | Open           | 18.56               | 20.00               | 1.393                  | 100          | 1.000                     | 0.03             | 0.885                  | 1.233                  |
| 95       | WLAN2.4GHz  | 802.11b 1Mbps       | Back          | 5mm      | Ant 4+6(4) |         | Standalone           | 6   | 2437        | Open           | 18.98               | 20.50               | 1.419                  | 100          | 1.000                     | -0.03            | 0.900                  | 1.277                  |
|          | WLAN2.4GHz  | 802.11b 1Mbps       | Back          | 5mm      | Ant 4+6(4) | Headset | Standalone           | 6   | 2437        | Open           | 18.98               | 20.50               | 1.419                  | 100          | 1.000                     | -0.03            | 0.795                  | 1.128                  |
|          | WLAN2.4GHz  | 802.11b 1Mbps       | Back          | 5mm      | Ant 4+6(4) |         | Standalone           | 11  | 2462        | Open           | 18.94               | 20.50               | 1.432                  | 100          | 1.000                     | 0.02             | 0.811                  | 1.162                  |
|          | WLAN2.4GHz  | 802.11b 1Mbps       | Front         | 5mm      | Ant 4+6(4) | -       | DBS only             | 6   | 2437        | Open           | 17.03               | 18.50               | 1.403                  | 100          | 1.000                     | 0.06             | 0.555                  | 0.779                  |
|          | WLAN2.4GHz  | 802.11b 1Mbps       | Back          | 5mm      | Ant 4+6(4) | -       | DBS only             | 6   | 2437        | Open           | 17.03               | 18.50               | 1.403                  | 100          | 1.000                     | 0.02             | 0.562                  | 0.788                  |
|          | WLAN2.4GHz  | 802.11b 1Mbps       | Front         | 5mm      | Ant 4+6(6) | -       | non DBS Simultaneous | 6   | 2437        | Open           | 13.26               | 14.50               | 1.330                  | 100          | 1.000                     | -0.03            | 0.259                  | 0.345                  |
|          | WLAN2.4GHz  | 802.11b 1Mbps       | Back          | 5mm      | Ant 4+6(6) | -       | non DBS Simultaneous | 6   | 2437        | Open           | 13.26               | 14.50               | 1.330                  | 100          | 1.000                     | 0.08             | 0.262                  | 0.349                  |
|          | WLAN2.4GHz  | 802.11b 1Mbps       | Front         | 5mm      | Ant 4+6(6) | -       | DBS Simultaneous     | 6   | 2437        | Open           | 10.26               | 11.50               | 1.330                  | 100          | 1.000                     | 0.04             | 0.111                  | 0.148                  |
|          | WLAN2.4GHz  | 802.11b 1Mbps       | Back          | 5mm      | Ant 4+6(6) | -       | DBS Simultaneous     | 6   | 2437        | Open           | 10.26               | 11.50               | 1.330                  | 100          | 1.000                     | 0.01             | 0.102                  | 0.136                  |
|          | WLAN2.4GHz  | 802.11b 1Mbps       | Front         | 17mm     | Ant 4+6(6) | -       | Full power           | 1   | 2412        | Open           | 21.13               | 22.50               | 1.371                  | 100          | 1.000                     | 0.06             | 0.289                  | 0.396                  |
|          | WLAN2.4GHz  | 802.11b 1Mbps       | Back          | 18mm     | Ant 4+6(6) | -       | Full power           | 1   | 2412        | Open           | 21.13               | 22.50               | 1.371                  | 100          | 1.000                     | 0.01             | 0.274                  | 0.376                  |
|          | Bluetooth   | 1Mbps               | Front         | 5mm      | Ant 4      |         | Standalone           | 39  | 2441        | Open           | 17.51               | 18.50               | 1.256                  | 76.72        | 1.086                     | -0.03            | 0.243                  | 0.331                  |
|          | Bluetooth   | 1Mbps               | Back          | 5mm      | Ant 4      |         | Standalone           | 39  | 2441        | Open           | 17.51               | 18.50               | 1.256                  | 76.72        | 1.086                     | 0.09             | 0.234                  | 0.319                  |
|          | Bluetooth   | 1Mbps               | Front         | 5mm      | Ant 6      |         | Standalone           | 0   | 2402        | Open           | 16.48               | 17.50               | 1.264                  | 76.86        | 1.084                     | 0.09             | 0.251                  | 0.344                  |
| 96       | Bluetooth   | 1Mbps               | Back          | 5mm      | Ant 6      |         | Standalone           | 0   | 2402        | Open           | 16.48               | 17.50               | 1.264                  | 76.86        | 1.084                     | 0.02             | 0.295                  | 0.404                  |
| 97       | WLAN 5.3GHz | 802.11n-HT40 MCS0   | Front         | 5mm      | Ant 5+4(5) |         | Standalone           | 54  | 5270        | Open           | 18.90               | 20.50               | 1.445                  | 100          | 1.000                     | -0.02            | 0.758                  | 1.096                  |
|          | WLAN 5.3GHz | 802.11n-HT40 MCS0   | Front         | 5mm      | Ant 5+4(5) |         | Standalone           | 62  | 5310        | Open           | 18.96               | 20.50               | 1.426                  | 100          | 1.000                     | 0.01             | 0.712                  | 1.015                  |
|          | WLAN 5.3GHz | 802.11n-HT40 MCS0   | Back          | 5mm      | Ant 5+4(5) | -       | Standalone           | 54  | 5270        | Open           | 18.90               | 20.50               | 1.445                  | 100          | 1.000                     | 0.05             | 0.241                  | 0.348                  |
|          | WLAN 5.3GHz | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 5+4(4) | -       | DBS only             | 58  | 5290        | Open           | 17.31               | 19.00               | 1.476                  | 100          | 1.000                     | -0.04            | 0.493                  | 0.728                  |
|          | WLAN 5.3GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 5+4(4) | -       | DBS only             | 58  | 5290        | Open           | 17.31               | 19.00               | 1.476                  | 100          | 1.000                     | 0.01             | 0.222                  | 0.328                  |
|          | WLAN 5.3GHz | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 5+4(4) | -       | non DBS Simultaneous | 58  | 5290        | Open           | 14.65               | 16.00               | 1.365                  | 100          | 1.000                     | -0.09            | 0.260                  | 0.355                  |
|          | WLAN 5.3GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 5+4(4) | -       | non DBS Simultaneous | 58  | 5290        | Open           | 14.65               | 16.00               | 1.365                  | 100          | 1.000                     | 0.07             | 0.111                  | 0.151                  |
|          | WLAN 5.3GHz | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 5+4(4) | -       | DBS Simultaneous     | 58  | 5290        | Open           | 11.33               | 12.00               | 1.167                  | 100          | 1.000                     | -0.03            | 0.131                  | 0.153                  |
|          | WLAN 5.3GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 5+4(4) | -       | DBS Simultaneous     | 58  | 5290        | Open           | 11.33               | 12.00               | 1.167                  | 100          | 1.000                     | 0.01             | 0.042                  | 0.049                  |
|          | WLAN 5.3GHz | 802.11n-HT40 MCS0   | Front         | 17mm     | Ant 5+4(4) | -       | Full power           | 54  | 5270        | Open           | 19.16               | 21.00               | 1.528                  | 100          | 1.000                     | -0.09            | 0.066                  | 0.101                  |
|          | WLAN 5.3GHz | 802.11n-HT40 MCS0   | Back          | 18mm     | Ant 5+4(4) | -       | Full power           | 54  | 5270        | Open           | 19.16               | 21.00               | 1.528                  | 100          | 1.000                     | 0.05             | 0.064                  | 0.098                  |
| 98       | WLAN 5.5GHz | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 5+4(5) |         | Standalone           | 138 | 5690        | Open           | 18.62               | 19.50               | 1.225                  | 100          | 1.000                     | -0.18            | 0.832                  | 1.019                  |
|          | WLAN 5.5GHz | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 5+4(4) |         | Standalone           | 122 | 5610        | Open           | 17.52               | 18.50               | 1.253                  | 100          | 1.000                     | 0.04             | 0.731                  | 0.916                  |
|          | WLAN 5.5GHz | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 5+4(4) |         | Standalone           | 106 | 5530        | Open           | 16.58               | 18.00               | 1.387                  | 100          | 1.000                     | 0.09             | 0.718                  | 0.996                  |
|          | WLAN 5.5GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 5+4(5) |         | Standalone           | 138 | 5690        | Open           | 18.62               | 19.50               | 1.225                  | 100          | 1.000                     | 0.03             | 0.818                  | 1.002                  |
|          | WLAN 5.5GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 5+4(4) |         | Standalone           | 122 | 5610        | Open           | 17.52               | 18.50               | 1.253                  | 100          | 1.000                     | 0.01             | 0.414                  | 0.519                  |
|          | WLAN 5.5GHz | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 5+4(5) | -       | DBS only             | 138 | 5690        | Open           | 15.82               | 17.50               | 1.472                  | 100          | 1.000                     | 0.03             | 0.502                  | 0.739                  |
|          | WLAN 5.5GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 5+4(5) | -       | DBS only             | 138 | 5690        | Open           | 15.82               | 17.50               | 1.472                  | 100          | 1.000                     | -0.05            | 0.481                  | 0.708                  |
|          | WLAN 5.5GHz | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 5+4(5) | -       | non DBS Simultaneous | 138 | 5690        | Open           | 12.82               | 14.50               | 1.472                  | 100          | 1.000                     | 0.08             | 0.243                  | 0.358                  |
|          | WLAN 5.5GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 5+4(5) | -       | non DBS Simultaneous | 138 | 5690        | Open           | 12.82               | 14.50               | 1.472                  | 100          | 1.000                     | -0.08            | 0.232                  | 0.342                  |
|          | WLAN 5.5GHz | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 5+4(5) | -       | DBS Simultaneous     | 138 | 5690        | Open           | 9.58                | 11.50               | 1.556                  | 100          | 1.000                     | 0.01             | 0.110                  | 0.171                  |
|          | WLAN 5.5GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 5+4(5) | -       | DBS Simultaneous     | 138 | 5690        | Open           | 9.58                | 11.50               | 1.556                  | 100          | 1.000                     | -0.07            | 0.045                  | 0.070                  |
|          | WLAN 5.5GHz | 802.11ac-VHT80 MCS0 | Front         | 17mm     | Ant 5+4(5) | -       | Full power           | 138 | 5690        | Open           | 19.86               | 21.50               | 1.459                  | 100          | 1.000                     | 0.03             | 0.222                  | 0.324                  |
|          | WLAN 5.5GHz | 802.11ac-VHT80 MCS0 | Back          | 18mm     | Ant 5+4(5) | -       | Full power           | 138 | 5690        | Open           | 19.86               | 21.50               | 1.459                  | 100          | 1.000                     | 0.01             | 0.178                  | 0.260                  |
| 99       | WLAN 5.8GHz | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 5+4(4) |         | Standalone           | 155 | 5775        | Open           | 18.01               | 19.00               | 1.256                  | 100          | 1.000                     | 0.04             | 0.846                  | 1.063                  |
|          | WLAN 5.8GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 5+4(4) |         | Standalone           | 155 | 5775        | Open           | 18.01               | 19.00               | 1.256                  | 100          | 1.000                     | 0.03             | 0.629                  | 0.790                  |
|          | WLAN 5.8GHz | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 5+4(5) | -       | DBS only             | 155 | 5775        | Open           | 17.37               | 18.00               | 1.156                  | 100          | 1.000                     | -0.02            | 0.541                  | 0.625                  |
|          | WLAN 5.8GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 5+4(5) | -       | DBS only             | 155 | 5775        | Open           | 17.37               | 18.00               | 1.156                  | 100          | 1.000                     | 0.05             | 0.397                  | 0.459                  |
|          | WLAN 5.8GHz | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 5+4(5) | -       | non DBS Simultaneous | 155 | 5775        | Open           | 14.47               | 15.00               | 1.130                  | 100          | 1.000                     | -0.1             | 0.250                  | 0.282                  |
|          | WLAN 5.8GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 5+4(5) | -       | non DBS Simultaneous | 155 | 5775        | Open           | 14.47               | 15.00               | 1.130                  | 100          | 1.000                     | 0.17             | 0.180                  | 0.203                  |
|          | WLAN 5.8GHz | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 5+4(5) | -       | DBS Simultaneous     | 155 | 5775        | Open           | 11.47               | 12.00               | 1.130                  | 100          | 1.000                     | 0.05             | 0.114                  | 0.129                  |
|          | WLAN 5.8GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 5+4(5) | -       | DBS Simultaneous     | 155 | 5775        | Open           | 11.47               | 12.00               | 1.130                  | 100          | 1.000                     | -0.07            | 0.034                  | 0.038                  |
|          | WLAN 5.8GHz | 802.11ac-VHT80 MCS0 | Front         | 17mm     | Ant 5+4(4) | -       | Full power           | 155 | 5775        | Open           | 18.73               | 20.00               | 1.340                  | 100          | 1.000                     | -0.07            | 0.225                  | 0.301                  |
|          | WLAN 5.8GHz | 802.11ac-VHT80 MCS0 | Back          | 18mm     | Ant 5+4(4) | -       | Full power           | 155 | 5775        | Open           | 18.73               | 20.00               | 1.340                  | 100          | 1.000                     | 0.02             | 0.215                  | 0.288                  |



&lt;Flip close&gt;

| Plot No. | Band        | BW (MHz) | Modulation | RB Size | RB offset | Mode | Test Position | Gap (mm) | Antenna | Power State        | Ch.    | Freq. (MHz) | EUT Flip State | 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) |
|----------|-------------|----------|------------|---------|-----------|------|---------------|----------|---------|--------------------|--------|-------------|----------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
| 750MHz   |             |          |            |         |           |      |               |          |         |                    |        |             |                |                     |                     |                        |              |                           |                  |                        |                        |
|          | LTE Band 71 | 20M      | QPSK       | 1       | 0         | -    | Front         | 5mm      | Ant 0   | DSI 5              | 133322 | 683         | Close          | 22.91               | 24.00               | 1.285                  | -            | -                         | -0.05            | 0.101                  | 0.130                  |
|          | LTE Band 71 | 20M      | QPSK       | 50      | 0         | -    | Front         | 5mm      | Ant 0   | DSI 5              | 133322 | 683         | Close          | 22.84               | 24.00               | 1.306                  | -            | -                         | 0.03             | 0.091                  | 0.119                  |
|          | LTE Band 71 | 20M      | QPSK       | 1       | 0         | -    | Back          | 5mm      | Ant 0   | DSI 5              | 133322 | 683         | Close          | 22.91               | 24.00               | 1.285                  | -            | -                         | -0.07            | 0.713                  | 0.916                  |
|          | LTE Band 71 | 20M      | QPSK       | 1       | 0         | -    | Back          | 5mm      | Ant 0   | DSI 5 Simultaneous | 133322 | 683         | Close          | 21.95               | 23.20               | 1.334                  | -            | -                         | 0.03             | 0.545                  | 0.727                  |
|          | LTE Band 71 | 20M      | QPSK       | 50      | 0         | -    | Back          | 5mm      | Ant 0   |                    | 133322 | 683         | Close          | 22.84               | 24.00               | 1.306                  | -            | -                         | 0.05             | 0.639                  | 0.835                  |
|          | LTE Band 71 | 20M      | QPSK       | 100     | 0         | -    | Back          | 5mm      | Ant 0   | DSI 5              | 133322 | 683         | Close          | 22.79               | 24.00               | 1.321                  | -            | -                         | -0.12            | 0.642                  | 0.848                  |
|          | LTE Band 71 | 20M      | QPSK       | 1       | 0         | -    | Front         | 14mm     | Ant 0   | DSI 4              | 133322 | 683         | Close          | 22.91               | 24.00               | 1.285                  | -            | -                         | 0.01             | 0.111                  | 0.143                  |
|          | LTE Band 71 | 20M      | QPSK       | 1       | 0         | -    | Back          | 15mm     | Ant 0   | DSI 4              | 133322 | 683         | Close          | 22.91               | 24.00               | 1.285                  | -            | -                         | 0.06             | 0.125                  | 0.161                  |
|          | LTE Band 71 | 20M      | QPSK       | 1       | 0         | -    | Front         | 5mm      | Ant 1   | DSI 5              | 133322 | 683         | Close          | 23.02               | 24.00               | 1.253                  | -            | -                         | 0.07             | 0.732                  | 0.917                  |
|          | LTE Band 71 | 20M      | QPSK       | 1       | 0         | -    | Front         | 5mm      | Ant 1   | DSI 5 Simultaneous | 133322 | 683         | Close          | 22.05               | 23.20               | 1.303                  | -            | -                         | 0.01             | 0.533                  | 0.695                  |
|          | LTE Band 71 | 20M      | QPSK       | 50      | 0         | -    | Front         | 5mm      | Ant 1   |                    | 133322 | 683         | Close          | 22.97               | 24.00               | 1.268                  | -            | -                         | 0.06             | 0.645                  | 0.818                  |
|          | LTE Band 71 | 20M      | QPSK       | 100     | 0         | -    | Front         | 5mm      | Ant 1   | DSI 5              | 133322 | 683         | Close          | 22.93               | 24.00               | 1.279                  | -            | -                         | 0.11             | 0.644                  | 0.824                  |
|          | LTE Band 71 | 20M      | QPSK       | 1       | 0         | -    | Back          | 5mm      | Ant 1   | DSI 5              | 133322 | 683         | Close          | 23.02               | 24.00               | 1.253                  | -            | -                         | -0.07            | 0.215                  | 0.269                  |
|          | LTE Band 71 | 20M      | QPSK       | 50      | 0         | -    | Back          | 5mm      | Ant 1   | DSI 5              | 133322 | 683         | Close          | 22.97               | 24.00               | 1.268                  | -            | -                         | 0.06             | 0.197                  | 0.250                  |
|          | LTE Band 71 | 20M      | QPSK       | 1       | 0         | -    | Front         | 14mm     | Ant 1   | DSI 4              | 133322 | 683         | Close          | 23.02               | 24.00               | 1.253                  | -            | -                         | 0.08             | 0.129                  | 0.162                  |
|          | LTE Band 71 | 20M      | QPSK       | 1       | 0         | -    | Back          | 15mm     | Ant 1   | DSI 4              | 133322 | 683         | Close          | 23.02               | 24.00               | 1.253                  | -            | -                         | -0.01            | 0.045                  | 0.056                  |
| 100      | LTE Band 12 | 10M      | QPSK       | 1       | 0         | -    | Front         | 5mm      | Ant 0   | DSI 5              | 23095  | 707.5       | Close          | 22.64               | 24.00               | 1.368                  | -            | -                         | 0.1              | 0.112                  | 0.153                  |
|          | LTE Band 12 | 10M      | QPSK       | 25      | 0         | -    | Front         | 5mm      | Ant 0   | DSI 5              | 23095  | 707.5       | Close          | 22.58               | 24.00               | 1.387                  | -            | -                         | -0.11            | 0.097                  | 0.135                  |
|          | LTE Band 12 | 10M      | QPSK       | 1       | 0         | -    | Back          | 5mm      | Ant 0   | DSI 5              | 23095  | 707.5       | Close          | 22.64               | 24.00               | 1.368                  | -            | -                         | 0.16             | 0.704                  | 0.963                  |
|          | LTE Band 12 | 10M      | QPSK       | 1       | 0         | -    | Back          | 5mm      | Ant 0   | DSI 5 Simultaneous | 23095  | 707.5       | Close          | 22.17               | 23.20               | 1.268                  | -            | -                         | 0.01             | 0.568                  | 0.720                  |
|          | LTE Band 12 | 10M      | QPSK       | 25      | 0         | -    | Back          | 5mm      | Ant 0   |                    | 23095  | 707.5       | Close          | 22.58               | 24.00               | 1.387                  | -            | -                         | -0.02            | 0.610                  | 0.846                  |
|          | LTE Band 12 | 10M      | QPSK       | 50      | 0         | -    | Back          | 5mm      | Ant 0   | DSI 5              | 23095  | 707.5       | Close          | 22.54               | 24.00               | 1.400                  | -            | -                         | 0.03             | 0.597                  | 0.836                  |
|          | LTE Band 12 | 10M      | QPSK       | 1       | 0         | -    | Front         | 14mm     | Ant 0   | DSI 4              | 23095  | 707.5       | Close          | 22.64               | 24.00               | 1.368                  | -            | -                         | 0.1              | 0.019                  | 0.026                  |
|          | LTE Band 12 | 10M      | QPSK       | 1       | 0         | -    | Back          | 15mm     | Ant 0   | DSI 4              | 23095  | 707.5       | Close          | 22.64               | 24.00               | 1.368                  | -            | -                         | -0.08            | 0.156                  | 0.213                  |
|          | LTE Band 12 | 10M      | QPSK       | 1       | 0         | -    | Front         | 5mm      | Ant 1   | DSI 5              | 23095  | 707.5       | Close          | 21.47               | 22.60               | 1.297                  | -            | -                         | 0.08             | 0.708                  | 0.918                  |
|          | LTE Band 12 | 10M      | QPSK       | 1       | 0         | -    | Front         | 5mm      | Ant 1   | DSI 5 Simultaneous | 23095  | 707.5       | Close          | 20.49               | 21.80               | 1.352                  | -            | -                         | 0.01             | 0.507                  | 0.686                  |
|          | LTE Band 12 | 10M      | QPSK       | 25      | 0         | -    | Front         | 5mm      | Ant 1   |                    | 23095  | 707.5       | Close          | 21.36               | 22.60               | 1.330                  | -            | -                         | 0.18             | 0.599                  | 0.797                  |
|          | LTE Band 12 | 10M      | QPSK       | 50      | 0         | -    | Front         | 5mm      | Ant 1   | DSI 5              | 23095  | 707.5       | Close          | 21.24               | 22.60               | 1.368                  | -            | -                         | 0.02             | 0.593                  | 0.811                  |
|          | LTE Band 12 | 10M      | QPSK       | 1       | 0         | -    | Back          | 5mm      | Ant 1   | DSI 5              | 23095  | 707.5       | Close          | 21.47               | 22.60               | 1.297                  | -            | -                         | 0.05             | 0.358                  | 0.464                  |
|          | LTE Band 12 | 10M      | QPSK       | 25      | 0         | -    | Back          | 5mm      | Ant 1   | DSI 5              | 23095  | 707.5       | Close          | 21.36               | 22.60               | 1.330                  | -            | -                         | 0.03             | 0.307                  | 0.408                  |
|          | LTE Band 12 | 10M      | QPSK       | 1       | 0         | -    | Front         | 14mm     | Ant 1   | DSI 4              | 23095  | 707.5       | Close          | 22.65               | 24.00               | 1.365                  | -            | -                         | 0.08             | 0.215                  | 0.293                  |
|          | LTE Band 12 | 10M      | QPSK       | 1       | 0         | -    | Back          | 15mm     | Ant 1   | DSI 4              | 23095  | 707.5       | Close          | 22.65               | 24.00               | 1.365                  | -            | -                         | -0.01            | 0.222                  | 0.303                  |
|          | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -    | Front         | 5mm      | Ant 0   | DSI 5              | 23230  | 782         | Close          | 22.76               | 23.40               | 1.159                  | -            | -                         | -0.09            | 0.093                  | 0.108                  |
|          | LTE Band 13 | 10M      | QPSK       | 25      | 0         | -    | Front         | 5mm      | Ant 0   | DSI 5              | 23230  | 782         | Close          | 22.71               | 23.40               | 1.172                  | -            | -                         | 0.1              | 0.085                  | 0.100                  |
|          | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -    | Back          | 5mm      | Ant 0   | DSI 5              | 23230  | 782         | Close          | 22.76               | 23.40               | 1.159                  | -            | -                         | -0.03            | 0.796                  | 0.922                  |
|          | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -    | Back          | 5mm      | Ant 0   | DSI 5 Simultaneous | 23230  | 782         | Close          | 21.79               | 22.60               | 1.205                  | -            | -                         | 0.09             | 0.625                  | 0.753                  |
|          | LTE Band 13 | 10M      | QPSK       | 25      | 0         | -    | Back          | 5mm      | Ant 0   |                    | 23230  | 782         | Close          | 22.71               | 23.40               | 1.172                  | -            | -                         | 0.05             | 0.710                  | 0.832                  |
|          | LTE Band 13 | 10M      | QPSK       | 50      | 0         | -    | Back          | 5mm      | Ant 0   | DSI 5              | 23230  | 782         | Close          | 22.63               | 23.40               | 1.194                  | -            | -                         | 0.04             | 0.733                  | 0.875                  |
|          | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -    | Front         | 14mm     | Ant 0   | DSI 4              | 23230  | 782         | Close          | 22.76               | 24.00               | 1.330                  | -            | -                         | 0.08             | 0.012                  | 0.016                  |
|          | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -    | Back          | 15mm     | Ant 0   | DSI 4              | 23230  | 782         | Close          | 22.76               | 24.00               | 1.330                  | -            | -                         | -0.17            | 0.104                  | 0.138                  |
|          | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -    | Front         | 5mm      | Ant 1   | DSI 5              | 23230  | 782         | Close          | 21.62               | 22.80               | 1.312                  | -            | -                         | 0.05             | 0.702                  | 0.921                  |
|          | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -    | Front         | 5mm      | Ant 1   | DSI 5 Simultaneous | 23230  | 782         | Close          | 20.65               | 22.00               | 1.365                  | -            | -                         | 0.05             | 0.572                  | 0.781                  |
|          | LTE Band 13 | 10M      | QPSK       | 25      | 0         | -    | Front         | 5mm      | Ant 1   |                    | 23230  | 782         | Close          | 21.58               | 22.80               | 1.324                  | -            | -                         | 0.03             | 0.601                  | 0.796                  |
|          | LTE Band 13 | 10M      | QPSK       | 50      | 0         | -    | Front         | 5mm      | Ant 1   | DSI 5              | 23230  | 782         | Close          | 21.45               | 22.80               | 1.365                  | -            | -                         | -0.11            | 0.606                  | 0.827                  |
|          | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -    | Back          | 5mm      | Ant 1   | DSI 5              | 23230  | 782         | Close          | 21.62               | 22.80               | 1.312                  | -            | -                         | -0.06            | 0.274                  | 0.360                  |
|          | LTE Band 13 | 10M      | QPSK       | 25      | 0         | -    | Back          | 5mm      | Ant 1   | DSI 5              | 23230  | 782         | Close          | 21.58               | 22.80               | 1.324                  | -            | -                         | -0.11            | 0.270                  | 0.358                  |
|          | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -    | Front         | 14mm     | Ant 1   | DSI 4              | 23230  | 782         | Close          | 22.63               | 24.00               | 1.371                  | -            | -                         | 0.06             | 0.201                  | 0.276                  |
|          | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -    | Back          | 15mm     | Ant 1   | DSI 4              | 23230  | 782         | Close          | 22.63               | 24.00               | 1.371                  | -            | -                         | 0.03             | 0.216                  | 0.296                  |
|          | LTE Band 14 | 10M      | QPSK       | 1       | 0         | -    | Front         | 5mm      | Ant 0   | DSI 5              | 23330  | 793         | Close          | 22.83               | 23.80               | 1.250                  | -            | -                         | -0.12            | 0.051                  | 0.064                  |
|          | LTE Band 14 | 10M      | QPSK       | 25      | 0         | -    | Front         | 5mm      | Ant 0   | DSI 5              | 23330  | 793         | Close          | 22.78               | 23.80               | 1.265                  | -            | -                         | -0.02            | 0.044                  | 0.056                  |



# FCC SAR Test Report

Report No. : FA340401-01

|        |             |     |      |    |    |                   |       |      |       |                    |        |       |       |       |       |       |   |   |       |       |       |
|--------|-------------|-----|------|----|----|-------------------|-------|------|-------|--------------------|--------|-------|-------|-------|-------|-------|---|---|-------|-------|-------|
|        | LTE Band 14 | 10M | QPSK | 1  | 0  | -                 | Back  | 5mm  | Ant 0 | DSI 5              | 23330  | 793   | Close | 22.83 | 23.80 | 1.250 | - | - | 0.13  | 0.729 | 0.911 |
|        | LTE Band 14 | 10M | QPSK | 1  | 0  | -                 | Back  | 5mm  | Ant 0 | DSI 5 Simultaneous | 23330  | 793   | Close | 21.88 | 23.00 | 1.294 | - | - | 0.03  | 0.611 | 0.791 |
|        | LTE Band 14 | 10M | QPSK | 25 | 0  | -                 | Back  | 5mm  | Ant 0 | DSI 5              | 23330  | 793   | Close | 22.78 | 23.80 | 1.265 | - | - | -0.05 | 0.406 | 0.513 |
|        | LTE Band 14 | 10M | QPSK | 50 | 0  | -                 | Back  | 5mm  | Ant 0 | DSI 5              | 23330  | 793   | Close | 22.72 | 23.80 | 1.282 | - | - | -0.03 | 0.399 | 0.512 |
|        | LTE Band 14 | 10M | QPSK | 1  | 0  | -                 | Front | 14mm | Ant 0 | DSI 4              | 23330  | 793   | Close | 22.83 | 24.00 | 1.309 | - | - | 0.08  | 0.015 | 0.020 |
|        | LTE Band 14 | 10M | QPSK | 1  | 0  | -                 | Back  | 15mm | Ant 0 | DSI 4              | 23330  | 793   | Close | 22.83 | 24.00 | 1.309 | - | - | -0.17 | 0.122 | 0.160 |
|        | LTE Band 14 | 10M | QPSK | 1  | 0  | -                 | Front | 5mm  | Ant 1 | DSI 5              | 23330  | 793   | Close | 21.51 | 22.40 | 1.227 | - | - | 0.04  | 0.753 | 0.924 |
|        | LTE Band 14 | 10M | QPSK | 1  | 0  | -                 | Front | 5mm  | Ant 1 | DSI 5 Simultaneous | 23330  | 793   | Close | 20.56 | 21.60 | 1.271 | - | - | 0.09  | 0.508 | 0.645 |
|        | LTE Band 14 | 10M | QPSK | 25 | 0  | -                 | Front | 5mm  | Ant 1 | DSI 5              | 23330  | 793   | Close | 21.46 | 22.40 | 1.242 | - | - | -0.15 | 0.636 | 0.790 |
|        | LTE Band 14 | 10M | QPSK | 50 | 0  | -                 | Front | 5mm  | Ant 1 | DSI 5              | 23330  | 793   | Close | 21.40 | 22.40 | 1.259 | - | - | 0.01  | 0.630 | 0.793 |
|        | LTE Band 14 | 10M | QPSK | 1  | 0  | -                 | Back  | 5mm  | Ant 1 | DSI 5              | 23330  | 793   | Close | 21.51 | 22.40 | 1.227 | - | - | 0.08  | 0.409 | 0.502 |
|        | LTE Band 14 | 10M | QPSK | 25 | 0  | -                 | Back  | 5mm  | Ant 1 | DSI 5              | 23330  | 793   | Close | 21.46 | 22.40 | 1.242 | - | - | -0.07 | 0.346 | 0.430 |
|        | LTE Band 14 | 10M | QPSK | 1  | 0  | -                 | Front | 14mm | Ant 1 | DSI 4              | 23330  | 793   | Close | 22.65 | 24.00 | 1.365 | - | - | 0.01  | 0.195 | 0.266 |
|        | LTE Band 14 | 10M | QPSK | 1  | 0  | -                 | Back  | 15mm | Ant 1 | DSI 4              | 23330  | 793   | Close | 22.65 | 24.00 | 1.365 | - | - | 0.09  | 0.222 | 0.303 |
|        | FR1 n12     | 15M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Front | 5mm  | Ant 0 | DSI 5              | 141500 | 707.5 | Close | 23.37 | 24.00 | 1.156 | - | - | 0.1   | 0.073 | 0.084 |
|        | FR1 n12     | 15M | QPSK | 36 | 22 | DFT-SCS-15KHz     | Front | 5mm  | Ant 0 | DSI 5              | 141500 | 707.5 | Close | 23.32 | 24.00 | 1.169 | - | - | 0.03  | 0.083 | 0.097 |
|        | FR1 n12     | 15M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 0 | DSI 5              | 141500 | 707.5 | Close | 23.37 | 24.00 | 1.156 | - | - | 0.02  | 0.520 | 0.601 |
|        | FR1 n12     | 15M | QPSK | 36 | 22 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 0 | DSI 5              | 141500 | 707.5 | Close | 23.32 | 24.00 | 1.169 | - | - | 0.06  | 0.525 | 0.614 |
|        | FR1 n12     | 15M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Front | 5mm  | Ant 1 | DSI 5              | 141500 | 707.5 | Close | 23.50 | 24.00 | 1.122 | - | - | 0.03  | 0.459 | 0.515 |
|        | FR1 n12     | 15M | QPSK | 36 | 22 | DFT-SCS-15KHz     | Front | 5mm  | Ant 1 | DSI 5              | 141500 | 707.5 | Close | 23.41 | 24.00 | 1.146 | - | - | 0.09  | 0.528 | 0.605 |
|        | FR1 n12     | 15M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 1 | DSI 5              | 141500 | 707.5 | Close | 23.50 | 24.00 | 1.122 | - | - | -0.1  | 0.128 | 0.144 |
|        | FR1 n12     | 15M | QPSK | 36 | 22 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 1 | DSI 5              | 141500 | 707.5 | Close | 23.41 | 24.00 | 1.146 | - | - | 0.15  | 0.143 | 0.164 |
|        | FR1 n14     | 10M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Front | 5mm  | Ant 0 | DSI 5              | 158600 | 793   | Close | 23.51 | 24.00 | 1.119 | - | - | 0.18  | 0.068 | 0.076 |
|        | FR1 n14     | 10M | QPSK | 25 | 14 | DFT-SCS-15KHz     | Front | 5mm  | Ant 0 | DSI 5              | 158600 | 793   | Close | 23.40 | 24.00 | 1.148 | - | - | 0.13  | 0.061 | 0.070 |
|        | FR1 n14     | 10M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 0 | DSI 5              | 158600 | 793   | Close | 23.51 | 24.00 | 1.119 | - | - | 0.01  | 0.493 | 0.552 |
|        | FR1 n14     | 10M | QPSK | 25 | 14 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 0 | DSI 5              | 158600 | 793   | Close | 23.40 | 24.00 | 1.148 | - | - | -0.08 | 0.459 | 0.527 |
|        | FR1 n14     | 10M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Front | 5mm  | Ant 1 | DSI 5              | 158600 | 793   | Close | 23.56 | 24.00 | 1.107 | - | - | 0.17  | 0.673 | 0.745 |
|        | FR1 n14     | 10M | QPSK | 25 | 14 | DFT-SCS-15KHz     | Front | 5mm  | Ant 1 | DSI 5              | 158600 | 793   | Close | 23.37 | 24.00 | 1.156 | - | - | -0.13 | 0.623 | 0.720 |
|        | FR1 n14     | 10M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 1 | DSI 5              | 158600 | 793   | Close | 23.56 | 24.00 | 1.107 | - | - | -0.02 | 0.210 | 0.232 |
|        | FR1 n14     | 10M | QPSK | 25 | 14 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 1 | DSI 5              | 158600 | 793   | Close | 23.37 | 24.00 | 1.156 | - | - | -0.17 | 0.198 | 0.229 |
|        | FR1 n71     | 10M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Front | 5mm  | Ant 0 | DSI 5              | 136100 | 680.5 | Close | 23.62 | 24.00 | 1.091 | - | - | 0.1   | 0.122 | 0.133 |
|        | FR1 n71     | 10M | QPSK | 50 | 25 | DFT-SCS-15KHz     | Front | 5mm  | Ant 0 | DSI 5              | 136100 | 680.5 | Close | 23.58 | 24.00 | 1.102 | - | - | -0.11 | 0.100 | 0.110 |
|        | FR1 n71     | 10M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 0 | DSI 5              | 136100 | 680.5 | Close | 23.62 | 24.00 | 1.091 | - | - | 0.19  | 0.407 | 0.444 |
|        | FR1 n71     | 10M | QPSK | 50 | 25 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 0 | DSI 5              | 136100 | 680.5 | Close | 23.58 | 24.00 | 1.102 | - | - | 0.06  | 0.428 | 0.471 |
|        | FR1 n71     | 10M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Front | 5mm  | Ant 1 | DSI 5              | 136100 | 680.5 | Close | 24.07 | 24.50 | 1.104 | - | - | 0.09  | 0.538 | 0.594 |
|        | FR1 n71     | 10M | QPSK | 50 | 25 | DFT-SCS-15KHz     | Front | 5mm  | Ant 1 | DSI 5              | 136100 | 680.5 | Close | 23.92 | 24.50 | 1.143 | - | - | 0.09  | 0.511 | 0.584 |
|        | FR1 n71     | 10M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 1 | DSI 5              | 136100 | 680.5 | Close | 24.07 | 24.50 | 1.104 | - | - | 0.07  | 0.138 | 0.152 |
|        | FR1 n71     | 10M | QPSK | 50 | 25 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 1 | DSI 5              | 136100 | 680.5 | Close | 23.92 | 24.50 | 1.143 | - | - | 0.08  | 0.154 | 0.176 |
| 835MHz |             |     |      |    |    |                   |       |      |       |                    |        |       |       |       |       |       |   |   |       |       |       |
|        | GSM850      | -   | -    | -  | -  | GPRS (3 Tx slots) | Front | 5mm  | Ant 0 | DSI 5              | 189    | 836.4 | Close | 28.23 | 29.50 | 1.340 | - | - | 0.13  | 0.063 | 0.084 |
|        | GSM850      | -   | -    | -  | -  | GPRS (3 Tx slots) | Back  | 5mm  | Ant 0 | DSI 5              | 189    | 836.4 | Close | 28.23 | 29.50 | 1.340 | - | - | 0.08  | 0.458 | 0.614 |
|        | GSM850      | -   | -    | -  | -  | GPRS (3 Tx slots) | Back  | 5mm  | Ant 0 | DSI 5              | 128    | 824.2 | Close | 28.20 | 29.50 | 1.349 | - | - | 0.13  | 0.427 | 0.576 |
|        | GSM850      | -   | -    | -  | -  | GPRS (3 Tx slots) | Back  | 5mm  | Ant 0 | DSI 5              | 251    | 848.8 | Close | 28.16 | 29.50 | 1.361 | - | - | -0.08 | 0.411 | 0.560 |
|        | GSM850      | -   | -    | -  | -  | GPRS (3 Tx slots) | Front | 5mm  | Ant 1 | DSI 5              | 189    | 836.4 | Close | 26.51 | 27.30 | 1.199 | - | - | 0.05  | 0.433 | 0.519 |
|        | GSM850      | -   | -    | -  | -  | GPRS (3 Tx slots) | Front | 5mm  | Ant 1 | DSI 5              | 128    | 824.2 | Close | 26.42 | 27.30 | 1.225 | - | - | -0.18 | 0.557 | 0.682 |
|        | GSM850      | -   | -    | -  | -  | GPRS (3 Tx slots) | Front | 5mm  | Ant 1 | DSI 5              | 251    | 848.8 | Close | 26.34 | 27.30 | 1.247 | - | - | 0.14  | 0.744 | 0.928 |
|        | GSM850      | -   | -    | -  | -  | GPRS (3 Tx slots) | Front | 5mm  | Ant 1 | DSI 5 Simultaneous | 251    | 848.8 | Close | 25.36 | 26.50 | 1.300 | - | - | 0.06  | 0.570 | 0.741 |
|        | GSM850      | -   | -    | -  | -  | GPRS (3 Tx slots) | Back  | 5mm  | Ant 1 | DSI 5              | 189    | 836.4 | Close | 26.51 | 27.30 | 1.199 | - | - | -0.08 | 0.120 | 0.144 |
|        | GSM850      | -   | -    | -  | -  | GPRS (3 Tx slots) | Front | 14mm | Ant 1 | DSI 4              | 189    | 836.4 | Close | 28.31 | 29.50 | 1.315 | - | - | 0.05  | 0.275 | 0.362 |
|        | GSM850      | -   | -    | -  | -  | GPRS (3 Tx slots) | Back  | 15mm | Ant 1 | DSI 4              | 189    | 836.4 | Close | 28.31 | 29.50 | 1.315 | - | - | 0.01  | 0.246 | 0.324 |
|        | WCDMA V     | -   | -    | -  | -  | RMC 12.2Kbps      | Front | 5mm  | Ant 0 | DSI 5              | 4182   | 836.4 | Close | 23.69 | 24.80 | 1.291 | - | - | -0.08 | 0.087 | 0.112 |
|        | WCDMA V     | -   | -    | -  | -  | RMC 12.2Kbps      | Back  | 5mm  | Ant 0 | DSI 5              | 4182   | 836.4 | Close | 23.69 | 24.80 | 1.291 | - | - | -0.08 | 0.702 | 0.906 |
|        | WCDMA V     | -   | -    | -  | -  | RMC 12.2Kbps      | Back  | 5mm  | Ant 0 | DSI 5              | 4132   | 826.4 | Close | 23.66 | 24.80 | 1.300 | - | - | 0.14  | 0.714 | 0.928 |



# FCC SAR Test Report

Report No. : FA340401-01

|         |             |     |      |     |    |               |       |      |       |                       |                 |                 |       |       |       |       |   |   |       |       |       |
|---------|-------------|-----|------|-----|----|---------------|-------|------|-------|-----------------------|-----------------|-----------------|-------|-------|-------|-------|---|---|-------|-------|-------|
|         | WCDMA V     | -   | -    | -   | -  | RMC 12.2Kbps  | Back  | 5mm  | Ant 0 | DSI 5<br>Simultaneous | 4132            | 826.4           | Close | 22.91 | 24.00 | 1.285 | - | - | 0.09  | 0.620 | 0.797 |
|         | WCDMA V     | -   | -    | -   | -  | RMC 12.2Kbps  | Back  | 5mm  | Ant 0 | DSI 5                 | 4233            | 846.6           | Close | 23.50 | 24.80 | 1.349 | - | - | 0.12  | 0.681 | 0.919 |
|         | WCDMA V     | -   | -    | -   | -  | RMC 12.2Kbps  | Front | 14mm | Ant 0 | DSI 4                 | 4182            | 836.4           | Close | 24.39 | 25.00 | 1.151 | - | - | 0.02  | 0.062 | 0.071 |
|         | WCDMA V     | -   | -    | -   | -  | RMC 12.2Kbps  | Back  | 15mm | Ant 0 | DSI 4                 | 4182            | 836.4           | Close | 24.39 | 25.00 | 1.151 | - | - | 0.01  | 0.185 | 0.213 |
|         | WCDMA V     | -   | -    | -   | -  | RMC 12.2Kbps  | Front | 5mm  | Ant 1 | DSI 5                 | 4182            | 836.4           | Close | 21.65 | 22.70 | 1.274 | - | - | -0.02 | 0.644 | 0.820 |
|         | WCDMA V     | -   | -    | -   | -  | RMC 12.2Kbps  | Front | 5mm  | Ant 1 | DSI 5                 | 4132            | 826.4           | Close | 21.54 | 22.70 | 1.306 | - | - | 0.05  | 0.513 | 0.670 |
|         | WCDMA V     | -   | -    | -   | -  | RMC 12.2Kbps  | Front | 5mm  | Ant 1 | DSI 5                 | 4233            | 846.6           | Close | 21.62 | 22.70 | 1.282 | - | - | 0.01  | 0.717 | 0.919 |
|         | WCDMA V     | -   | -    | -   | -  | RMC 12.2Kbps  | Front | 5mm  | Ant 1 | DSI 5<br>Simultaneous | 4233            | 846.6           | Close | 20.65 | 21.90 | 1.334 | - | - | 0.05  | 0.589 | 0.785 |
|         | WCDMA V     | -   | -    | -   | -  | RMC 12.2Kbps  | Back  | 5mm  | Ant 1 | DSI 5                 | 4182            | 836.4           | Close | 21.65 | 22.70 | 1.274 | - | - | 0.09  | 0.291 | 0.371 |
|         | WCDMA V     | -   | -    | -   | -  | RMC 12.2Kbps  | Front | 14mm | Ant 1 | DSI 4                 | 4182            | 836.4           | Close | 24.41 | 25.00 | 1.146 | - | - | 0.07  | 0.216 | 0.247 |
|         | WCDMA V     | -   | -    | -   | -  | RMC 12.2Kbps  | Back  | 15mm | Ant 1 | DSI 4                 | 4182            | 836.4           | Close | 24.41 | 25.00 | 1.146 | - | - | 0.12  | 0.102 | 0.117 |
|         | LTE Band 26 | 15M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 0 | DSI 5                 | 26865           | 831.5           | Close | 21.14 | 22.40 | 1.337 | - | - | -0.1  | 0.085 | 0.114 |
|         | LTE Band 26 | 15M | QPSK | 36  | 0  | -             | Front | 5mm  | Ant 0 | DSI 5                 | 26865           | 831.5           | Close | 21.07 | 22.40 | 1.358 | - | - | 0.18  | 0.081 | 0.110 |
|         | LTE Band 26 | 15M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | DSI 5                 | 26865           | 831.5           | Close | 21.14 | 22.40 | 1.337 | - | - | 0.02  | 0.690 | 0.922 |
|         | LTE Band 26 | 15M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | DSI 5<br>Simultaneous | 26865           | 831.5           | Close | 20.22 | 21.60 | 1.374 | - | - | 0.09  | 0.556 | 0.764 |
|         | LTE Band 5B | 10M | QPSK | 1   | 49 | -             | Back  | 5mm  | Ant 0 | DSI 5                 | 20476+<br>20575 | 831.6+<br>841.5 | Close | 21.05 | 22.40 | 1.365 | - | - | 0.01  | 0.614 | 0.838 |
|         | LTE Band 26 | 15M | QPSK | 36  | 0  | -             | Back  | 5mm  | Ant 0 | DSI 5                 | 26865           | 831.5           | Close | 21.07 | 22.40 | 1.358 | - | - | -0.03 | 0.603 | 0.819 |
|         | LTE Band 26 | 15M | QPSK | 75  | 0  | -             | Back  | 5mm  | Ant 0 | DSI 5                 | 26865           | 831.5           | Close | 21.09 | 22.40 | 1.352 | - | - | -0.15 | 0.591 | 0.799 |
|         | LTE Band 26 | 15M | QPSK | 1   | 0  | -             | Front | 14mm | Ant 0 | DSI 4                 | 26865           | 831.5           | Close | 22.68 | 24.00 | 1.355 | - | - | 0.01  | 0.005 | 0.007 |
|         | LTE Band 26 | 15M | QPSK | 1   | 0  | -             | Back  | 15mm | Ant 0 | DSI 4                 | 26865           | 831.5           | Close | 22.68 | 24.00 | 1.355 | - | - | 0.06  | 0.088 | 0.119 |
|         | LTE Band 26 | 15M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 26865           | 831.5           | Close | 21.85 | 23.00 | 1.303 | - | - | 0.08  | 0.705 | 0.919 |
|         | LTE Band 26 | 15M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 1 | DSI 5<br>Simultaneous | 26865           | 831.5           | Close | 20.89 | 22.20 | 1.352 | - | - | 0.01  | 0.586 | 0.792 |
|         | LTE Band 5B | 10M | QPSK | 1   | 49 | -             | Front | 5mm  | Ant 1 | DSI 5                 | 20476+20575     | 831.6+841.5     | Close | 21.65 | 23.00 | 1.365 | - | - | 0.01  | 0.664 | 0.906 |
|         | LTE Band 26 | 15M | QPSK | 36  | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 26865           | 831.5           | Close | 21.63 | 23.00 | 1.371 | - | - | 0.12  | 0.629 | 0.862 |
|         | LTE Band 26 | 15M | QPSK | 75  | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 26865           | 831.5           | Close | 21.57 | 23.00 | 1.390 | - | - | 0.08  | 0.617 | 0.858 |
|         | LTE Band 26 | 15M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 1 | DSI 5                 | 26865           | 831.5           | Close | 21.85 | 23.00 | 1.303 | - | - | -0.07 | 0.446 | 0.581 |
|         | LTE Band 26 | 15M | QPSK | 36  | 0  | -             | Back  | 5mm  | Ant 1 | DSI 5                 | 26865           | 831.5           | Close | 21.63 | 23.00 | 1.371 | - | - | -0.15 | 0.416 | 0.570 |
|         | LTE Band 26 | 15M | QPSK | 1   | 0  | -             | Front | 14mm | Ant 1 | DSI 4                 | 26865           | 831.5           | Close | 22.79 | 24.00 | 1.321 | - | - | 0.05  | 0.102 | 0.135 |
|         | LTE Band 26 | 15M | QPSK | 1   | 0  | -             | Back  | 15mm | Ant 1 | DSI 4                 | 26865           | 831.5           | Close | 22.79 | 24.00 | 1.321 | - | - | -0.03 | 0.045 | 0.059 |
|         | FR1 n26     | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 0 | DSI 5                 | 166300          | 831.5           | Close | 22.94 | 24.00 | 1.276 | - | - | -0.17 | 0.073 | 0.093 |
|         | FR1 n26     | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 5mm  | Ant 0 | DSI 5                 | 166300          | 831.5           | Close | 22.83 | 24.00 | 1.309 | - | - | 0.06  | 0.080 | 0.105 |
|         | FR1 n26     | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5                 | 166300          | 831.5           | Close | 22.94 | 24.00 | 1.276 | - | - | 0.02  | 0.706 | 0.901 |
|         | FR1 n26     | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5<br>Simultaneous | 166300          | 831.5           | Close | 21.87 | 23.20 | 1.358 | - | - | 0.01  | 0.512 | 0.695 |
|         | FR1 n26     | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5                 | 166300          | 831.5           | Close | 22.83 | 24.00 | 1.309 | - | - | -0.04 | 0.661 | 0.865 |
|         | FR1 n26     | 20M | QPSK | 100 | 0  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5                 | 166300          | 831.5           | Close | 22.79 | 24.00 | 1.321 | - | - | 0.02  | 0.586 | 0.774 |
|         | FR1 n26     | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 14mm | Ant 0 | DSI 4                 | 166300          | 831.5           | Close | 23.39 | 24.00 | 1.151 | - | - | 0.01  | 0.621 | 0.715 |
|         | FR1 n26     | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 14mm | Ant 0 | DSI 4                 | 166300          | 831.5           | Close | 23.29 | 24.00 | 1.178 | - | - | -0.06 | 0.635 | 0.748 |
|         | FR1 n26     | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 15mm | Ant 0 | DSI 4                 | 166300          | 831.5           | Close | 23.39 | 24.00 | 1.151 | - | - | 0.02  | 0.652 | 0.750 |
|         | FR1 n26     | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5                 | 166300          | 831.5           | Close | 22.05 | 22.70 | 1.161 | - | - | -0.15 | 0.760 | 0.883 |
|         | FR1 n26     | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5                 | 166300          | 831.5           | Close | 22.02 | 22.70 | 1.169 | - | - | 0.01  | 0.782 | 0.915 |
|         | FR1 n26     | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5<br>Simultaneous | 166300          | 831.5           | Close | 21.06 | 21.90 | 1.213 | - | - | 0.04  | 0.589 | 0.715 |
|         | FR1 n26     | 20M | QPSK | 100 | 0  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5                 | 166300          | 831.5           | Close | 21.72 | 22.70 | 1.253 | - | - | 0.08  | 0.712 | 0.892 |
|         | FR1 n26     | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 1 | DSI 5                 | 166300          | 831.5           | Close | 22.05 | 22.70 | 1.161 | - | - | -0.12 | 0.225 | 0.261 |
|         | FR1 n26     | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 5mm  | Ant 1 | DSI 5                 | 166300          | 831.5           | Close | 22.02 | 22.70 | 1.169 | - | - | -0.04 | 0.232 | 0.271 |
|         | FR1 n26     | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 14mm | Ant 1 | DSI 4                 | 166300          | 831.5           | Close | 23.49 | 24.00 | 1.125 | - | - | -0.03 | 0.175 | 0.197 |
|         | FR1 n26     | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 14mm | Ant 1 | DSI 4                 | 166300          | 831.5           | Close | 23.42 | 24.00 | 1.143 | - | - | 0.01  | 0.195 | 0.223 |
|         | FR1 n26     | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 15mm | Ant 1 | DSI 4                 | 166300          | 831.5           | Close | 23.49 | 24.00 | 1.125 | - | - | 0.05  | 0.098 | 0.110 |
|         | FR1 n26     | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 15mm | Ant 1 | DSI 4                 | 166300          | 831.5           | Close | 23.42 | 24.00 | 1.143 | - | - | 0.06  | 0.102 | 0.117 |
| 1750MHz |             |     |      |     |    |               |       |      |       |                       |                 |                 |       |       |       |       |   |   |       |       |       |
|         | WCDMA IV    | -   | -    | -   | -  | RMC 12.2Kbps  | Front | 5mm  | Ant 0 | DSI 5                 | 1413            | 1732.6          | Close | 17.59 | 18.70 | 1.291 | - | - | -0.12 | 0.065 | 0.084 |
|         | WCDMA IV    | -   | -    | -   | -  | RMC 12.2Kbps  | Back  | 5mm  | Ant 0 | DSI 5                 | 1413            | 1732.6          | Close | 17.59 | 18.70 | 1.291 | - | - | 0.11  | 0.671 | 0.866 |
|         | WCDMA IV    | -   | -    | -   | -  | RMC 12.2Kbps  | Back  | 5mm  | Ant 0 | DSI 5                 | 1312            | 1712.4          | Close | 17.49 | 18.70 | 1.321 | - | - | 0.05  | 0.698 | 0.922 |
|         | WCDMA IV    | -   | -    | -   | -  | RMC 12.2Kbps  | Back  | 5mm  | Ant 0 | DSI 5<br>Simultaneous | 1312            | 1712.4          | Close | 16.55 | 17.90 | 1.365 | - | - | 0.02  | 0.582 | 0.794 |
|         | WCDMA IV    | -   | -    | -   | -  | RMC 12.2Kbps  | Back  | 5mm  | Ant 0 | DSI 5                 | 1513            | 1752.6          | Close | 17.48 | 18.70 | 1.324 | - | - | 0.05  | 0.611 | 0.809 |



# FCC SAR Test Report

Report No. : FA340401-01

|  |                      |     |      |     |    |              |       |      |       |                    |               |             |       |       |       |       |   |   |       |       |       |
|--|----------------------|-----|------|-----|----|--------------|-------|------|-------|--------------------|---------------|-------------|-------|-------|-------|-------|---|---|-------|-------|-------|
|  | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Front | 14mm | Ant 0 | DSI 4              | 1413          | 1732.6      | Close | 22.89 | 24.00 | 1.291 | - | - | 0.04  | 0.02  | 0.026 |
|  | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Back  | 15mm | Ant 0 | DSI 4              | 1413          | 1732.6      | Close | 22.89 | 24.00 | 1.291 | - | - | 0.06  | 0.189 | 0.244 |
|  | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Front | 5mm  | Ant 1 | DSI 5              | 1413          | 1732.6      | Close | 16.96 | 18.10 | 1.300 | - | - | 0.15  | 0.538 | 0.699 |
|  | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Front | 5mm  | Ant 1 | DSI 5              | 1312          | 1712.4      | Close | 16.89 | 18.10 | 1.321 | - | - | 0.01  | 0.552 | 0.729 |
|  | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Front | 5mm  | Ant 1 | DSI 5              | 1513          | 1752.6      | Close | 16.85 | 18.10 | 1.334 | - | - | 0.03  | 0.692 | 0.923 |
|  | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Front | 5mm  | Ant 1 | DSI 5 Simultaneous | 1513          | 1752.6      | Close | 15.91 | 17.30 | 1.377 | - | - | 0.01  | 0.602 | 0.829 |
|  | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Back  | 5mm  | Ant 1 | DSI 5              | 1413          | 1732.6      | Close | 16.96 | 18.10 | 1.300 | - | - | 0.07  | 0.055 | 0.072 |
|  | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Front | 14mm | Ant 1 | DSI 4              | 1413          | 1732.6      | Close | 22.42 | 24.00 | 1.439 | - | - | 0.01  | 0.186 | 0.268 |
|  | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Back  | 15mm | Ant 1 | DSI 4              | 1413          | 1732.6      | Close | 22.42 | 24.00 | 1.439 | - | - | 0.04  | 0.085 | 0.122 |
|  | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Front | 5mm  | Ant 2 | DSI 5              | 1413          | 1732.6      | Close | 21.85 | 22.70 | 1.216 | - | - | -0.15 | 0.208 | 0.253 |
|  | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Back  | 5mm  | Ant 2 | DSI 5              | 1413          | 1732.6      | Close | 21.85 | 22.70 | 1.216 | - | - | -0.1  | 0.703 | 0.855 |
|  | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Back  | 5mm  | Ant 2 | DSI 5              | 1312          | 1712.4      | Close | 21.84 | 22.70 | 1.219 | - | - | -0.05 | 0.756 | 0.922 |
|  | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Back  | 5mm  | Ant 2 | DSI 5 Simultaneous | 1312          | 1712.4      | Close | 20.89 | 21.90 | 1.262 | - | - | 0.06  | 0.627 | 0.791 |
|  | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Back  | 5mm  | Ant 2 | DSI 5              | 1513          | 1752.6      | Close | 21.69 | 22.70 | 1.262 | - | - | -0.05 | 0.705 | 0.890 |
|  | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Front | 14mm | Ant 2 | DSI 4              | 1413          | 1732.6      | Close | 23.30 | 24.00 | 1.175 | - | - | 0.02  | 0.121 | 0.142 |
|  | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Back  | 15mm | Ant 2 | DSI 4              | 1413          | 1732.6      | Close | 23.30 | 24.00 | 1.175 | - | - | 0.01  | 0     | 0.000 |
|  | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Front | 5mm  | Ant 3 | DSI 5              | 1413          | 1732.6      | Close | 21.13 | 22.30 | 1.309 | - | - | 0.08  | 0.658 | 0.861 |
|  | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Front | 5mm  | Ant 3 | DSI 5              | 1312          | 1712.4      | Close | 21.05 | 22.30 | 1.334 | - | - | -0.04 | 0.685 | 0.913 |
|  | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Front | 5mm  | Ant 3 | DSI 5 Simultaneous | 1312          | 1712.4      | Close | 20.09 | 21.50 | 1.384 | - | - | 0.07  | 0.572 | 0.791 |
|  | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Front | 5mm  | Ant 3 | DSI 5              | 1513          | 1752.6      | Close | 21.01 | 22.30 | 1.346 | - | - | -0.16 | 0.643 | 0.865 |
|  | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Back  | 5mm  | Ant 3 | DSI 5              | 1413          | 1732.6      | Close | 21.13 | 22.30 | 1.309 | - | - | 0.18  | 0.270 | 0.353 |
|  | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Front | 14mm | Ant 3 | DSI 4              | 1413          | 1732.6      | Close | 24.02 | 25.00 | 1.253 | - | - | -0.16 | 0.133 | 0.167 |
|  | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Back  | 15mm | Ant 3 | DSI 4              | 1312          | 1712.4      | Close | 23.90 | 25.00 | 1.288 | - | - | 0.04  | 0.081 | 0.104 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Front | 5mm  | Ant 0 | DSI 5              | 132322        | 1745        | Close | 18.44 | 19.10 | 1.164 | - | - | 0.07  | 0.084 | 0.098 |
|  | LTE Band 66          | 20M | QPSK | 50  | 0  | -            | Front | 5mm  | Ant 0 | DSI 5              | 132322        | 1745        | Close | 18.29 | 19.10 | 1.205 | - | - | -0.04 | 0.072 | 0.087 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Back  | 5mm  | Ant 0 | DSI 5              | 132322        | 1745        | Close | 18.44 | 19.10 | 1.164 | - | - | -0.07 | 0.796 | 0.927 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Back  | 5mm  | Ant 0 | DSI 5 Simultaneous | 132322        | 1745        | Close | 17.64 | 18.30 | 1.164 | - | - | 0.09  | 0.682 | 0.794 |
|  | LTE Band 66C         | 20M | QPSK | 1   | 99 | -            | Back  | 5mm  | Ant 0 | DSI 5              | 132322+132520 | 1745+1764.8 | Close | 18.32 | 19.10 | 1.197 | - | - | 0.01  | 0.732 | 0.876 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Back  | 5mm  | Ant 0 | DSI 5              | 132072        | 1720        | Close | 18.27 | 19.10 | 1.211 | - | - | 0.16  | 0.713 | 0.863 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Back  | 5mm  | Ant 0 | DSI 5              | 132572        | 1770        | Close | 18.30 | 19.10 | 1.202 | - | - | 0.09  | 0.720 | 0.866 |
|  | LTE Band 66          | 20M | QPSK | 50  | 0  | -            | Back  | 5mm  | Ant 0 | DSI 5              | 132322        | 1745        | Close | 18.29 | 19.10 | 1.205 | - | - | 0.03  | 0.674 | 0.812 |
|  | LTE Band 66          | 20M | QPSK | 50  | 0  | -            | Back  | 5mm  | Ant 0 | DSI 5              | 132072        | 1720        | Close | 18.24 | 19.10 | 1.219 | - | - | -0.03 | 0.601 | 0.733 |
|  | LTE Band 66          | 20M | QPSK | 50  | 0  | -            | Back  | 5mm  | Ant 0 | DSI 5              | 132572        | 1770        | Close | 18.15 | 19.10 | 1.245 | - | - | 0.08  | 0.611 | 0.760 |
|  | LTE Band 66          | 20M | QPSK | 100 | 0  | -            | Back  | 5mm  | Ant 0 | DSI 5              | 132322        | 1745        | Close | 18.22 | 19.10 | 1.225 | - | - | 0.06  | 0.674 | 0.825 |
|  | LTE Band 66 Other PA | 20M | QPSK | 1   | 0  | -            | Back  | 5mm  | Ant 0 | DSI 5              | 132322        | 1745        | Close | 18.54 | 19.10 | 1.138 | - | - | 0.01  | 0.443 | 0.504 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Front | 14mm | Ant 0 | DSI 4              | 132322        | 1745        | Close | 23.26 | 24.00 | 1.186 | - | - | 0.01  | 0.019 | 0.023 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Back  | 15mm | Ant 0 | DSI 4              | 132322        | 1745        | Close | 23.26 | 24.00 | 1.186 | - | - | 0.09  | 0.077 | 0.091 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Front | 5mm  | Ant 1 | DSI 5              | 132322        | 1745        | Close | 16.55 | 17.80 | 1.334 | - | - | -0.02 | 0.516 | 0.688 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Front | 5mm  | Ant 1 | DSI 5              | 132072        | 1720        | Close | 16.46 | 17.80 | 1.361 | - | - | -0.13 | 0.362 | 0.493 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Front | 5mm  | Ant 1 | DSI 5              | 132572        | 1770        | Close | 16.54 | 17.80 | 1.337 | - | - | 0.05  | 0.690 | 0.922 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Front | 5mm  | Ant 1 | DSI 5 Simultaneous | 132572        | 1770        | Close | 15.64 | 17.00 | 1.368 | - | - | 0.09  | 0.581 | 0.795 |
|  | LTE Band 66C         | 20M | QPSK | 1   | 0  | -            | Front | 5mm  | Ant 1 | DSI 5              | 132572+132374 | 1770+1750.2 | Close | 16.21 | 17.80 | 1.442 | - | - | 0.02  | 0.614 | 0.885 |
|  | LTE Band 66          | 20M | QPSK | 50  | 0  | -            | Front | 5mm  | Ant 1 | DSI 5              | 132322        | 1745        | Close | 16.44 | 17.80 | 1.368 | - | - | 0.16  | 0.440 | 0.602 |
|  | LTE Band 66          | 20M | QPSK | 100 | 0  | -            | Front | 5mm  | Ant 1 | DSI 5              | 132322        | 1745        | Close | 16.41 | 17.80 | 1.377 | - | - | -0.14 | 0.427 | 0.588 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Back  | 5mm  | Ant 1 | DSI 5              | 132322        | 1745        | Close | 16.55 | 17.80 | 1.334 | - | - | -0.17 | 0.210 | 0.280 |
|  | LTE Band 66          | 20M | QPSK | 50  | 0  | -            | Back  | 5mm  | Ant 1 | DSI 5              | 132322        | 1745        | Close | 16.44 | 17.80 | 1.368 | - | - | 0.04  | 0.177 | 0.242 |
|  | LTE Band 66          | 20M | QPSK | 100 | 0  | -            | Back  | 5mm  | Ant 1 | DSI 5              | 132322        | 1745        | Close | 16.41 | 17.80 | 1.377 | - | - | -0.13 | 0.173 | 0.238 |
|  | LTE Band 66 Other PA | 20M | QPSK | 1   | 0  | -            | Front | 5mm  | Ant 1 | DSI 5              | 132572        | 1770        | Close | 16.56 | 17.80 | 1.330 | - | - | 0.02  | 0.551 | 0.733 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Front | 14mm | Ant 1 | DSI 4              | 132322        | 1745        | Close | 23.02 | 24.00 | 1.253 | - | - | 0.08  | 0.122 | 0.153 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Back  | 15mm | Ant 1 | DSI 4              | 132322        | 1745        | Close | 23.02 | 24.00 | 1.253 | - | - | 0.03  | 0.033 | 0.041 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Front | 5mm  | Ant 2 | DSI 5              | 132322        | 1745        | Close | 20.88 | 21.70 | 1.208 | - | - | -0.16 | 0.201 | 0.243 |
|  | LTE Band 66          | 20M | QPSK | 50  | 0  | -            | Front | 5mm  | Ant 2 | DSI 5              | 132322        | 1745        | Close | 20.81 | 21.70 | 1.227 | - | - | -0.15 | 0.174 | 0.214 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Back  | 5mm  | Ant 2 | DSI 5              | 132322        | 1745        | Close | 20.88 | 21.70 | 1.208 | - | - | -0.02 | 0.769 | 0.929 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Back  | 5mm  | Ant 2 | DSI 5 Simultaneous | 132322        | 1745        | Close | 20.07 | 20.90 | 1.211 | - | - | 0.09  | 0.659 | 0.798 |



# FCC SAR Test Report

Report No. : FA340401-01

|  |                      |     |      |     |    |               |       |      |       |                    |               |             |       |       |       |       |   |   |       |       |       |
|--|----------------------|-----|------|-----|----|---------------|-------|------|-------|--------------------|---------------|-------------|-------|-------|-------|-------|---|---|-------|-------|-------|
|  | LTE Band 66C         | 20M | QPSK | 1   | 99 | -             | Back  | 5mm  | Ant 2 | DSI 5              | 132322+132520 | 1745+1764.8 | Close | 20.75 | 21.70 | 1.245 | - | - | 0.03  | 0.687 | 0.855 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 2 | DSI 5              | 132072        | 1720        | Close | 20.82 | 21.70 | 1.225 | - | - | 0.05  | 0.729 | 0.893 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 2 | DSI 5              | 132572        | 1770        | Close | 20.66 | 21.70 | 1.271 | - | - | -0.02 | 0.719 | 0.914 |
|  | LTE Band 66          | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 2 | DSI 5              | 132322        | 1745        | Close | 20.81 | 21.70 | 1.227 | - | - | 0.04  | 0.655 | 0.804 |
|  | LTE Band 66          | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 2 | DSI 5              | 132072        | 1720        | Close | 20.68 | 21.70 | 1.265 | - | - | 0.11  | 0.702 | 0.888 |
|  | LTE Band 66          | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 2 | DSI 5              | 132572        | 1770        | Close | 20.59 | 21.70 | 1.291 | - | - | -0.16 | 0.674 | 0.870 |
|  | LTE Band 66          | 20M | QPSK | 100 | 0  | -             | Back  | 5mm  | Ant 2 | DSI 5              | 132322        | 1745        | Close | 20.64 | 21.70 | 1.276 | - | - | 0.08  | 0.654 | 0.835 |
|  | LTE Band 66 Other PA | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 2 | DSI 5              | 132322        | 1745        | Close | 20.76 | 21.70 | 1.242 | - | - | 0.06  | 0.585 | 0.726 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Front | 14mm | Ant 2 | DSI 4              | 132322        | 1745        | Close | 23.12 | 24.00 | 1.225 | - | - | 0.02  | 0.03  | 0.037 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Back  | 15mm | Ant 2 | DSI 4              | 132322        | 1745        | Close | 23.12 | 24.00 | 1.225 | - | - | -0.07 | 0.045 | 0.055 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | DSI 5              | 132322        | 1745        | Close | 20.95 | 22.10 | 1.303 | - | - | -0.15 | 0.718 | 0.936 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | DSI 5 Simultaneous | 132322        | 1745        | Close | 19.93 | 21.30 | 1.371 | - | - | 0.09  | 0.534 | 0.732 |
|  | LTE Band 66C         | 20M | QPSK | 1   | 99 | -             | Front | 5mm  | Ant 3 | DSI 5              | 132322+132520 | 1745+1764.8 | Close | 20.87 | 22.10 | 1.327 | - | - | 0.01  | 0.654 | 0.868 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | DSI 5              | 132072        | 1720        | Close | 20.83 | 22.10 | 1.340 | - | - | -0.1  | 0.675 | 0.904 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | DSI 5              | 132572        | 1770        | Close | 20.84 | 22.10 | 1.337 | - | - | 0.07  | 0.696 | 0.930 |
|  | LTE Band 66          | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 3 | DSI 5              | 132322        | 1745        | Close | 20.89 | 22.10 | 1.321 | - | - | 0.08  | 0.637 | 0.842 |
|  | LTE Band 66          | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 3 | DSI 5              | 132072        | 1720        | Close | 20.75 | 22.10 | 1.365 | - | - | 0.09  | 0.599 | 0.817 |
|  | LTE Band 66          | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 3 | DSI 5              | 132572        | 1770        | Close | 20.79 | 22.10 | 1.352 | - | - | 0.05  | 0.610 | 0.825 |
|  | LTE Band 66          | 20M | QPSK | 100 | 0  | -             | Front | 5mm  | Ant 3 | DSI 5              | 132322        | 1745        | Close | 20.79 | 22.10 | 1.352 | - | - | -0.08 | 0.610 | 0.825 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 3 | DSI 5              | 132322        | 1745        | Close | 20.95 | 22.10 | 1.303 | - | - | 0.1   | 0.306 | 0.399 |
|  | LTE Band 66          | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 3 | DSI 5              | 132322        | 1745        | Close | 20.89 | 22.10 | 1.321 | - | - | 0.07  | 0.269 | 0.355 |
|  | LTE Band 66 Other PA | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | DSI 5              | 132322        | 1745        | Close | 21.34 | 22.10 | 1.191 | - | - | -0.05 | 0.133 | 0.158 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Front | 14mm | Ant 3 | DSI 4              | 132322        | 1745        | Close | 22.74 | 24.00 | 1.337 | - | - | 0.01  | 0.088 | 0.118 |
|  | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Back  | 15mm | Ant 3 | DSI 4              | 132322        | 1745        | Close | 22.74 | 24.00 | 1.337 | - | - | 0.06  | 0.054 | 0.072 |
|  | FR1 n66              | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 0 | DSI 5              | 349000        | 1745        | Close | 18.06 | 18.80 | 1.186 | - | - | 0.08  | 0.112 | 0.133 |
|  | FR1 n66              | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Front | 5mm  | Ant 0 | DSI 5              | 349000        | 1745        | Close | 17.71 | 18.80 | 1.285 | - | - | 0.06  | 0.109 | 0.140 |
|  | FR1 n66              | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5              | 349000        | 1745        | Close | 18.06 | 18.80 | 1.186 | - | - | -0.15 | 0.626 | 0.742 |
|  | FR1 n66              | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5              | 349000        | 1745        | Close | 17.71 | 18.80 | 1.285 | - | - | 0.15  | 0.713 | 0.916 |
|  | FR1 n66              | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5 Simultaneous | 349000        | 1745        | Close | 16.79 | 18.00 | 1.321 | - | - | 0.03  | 0.539 | 0.712 |
|  | FR1 n66              | 40M | QPSK | 216 | 0  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5              | 349000        | 1745        | Close | 17.68 | 18.80 | 1.294 | - | - | 0.03  | 0.655 | 0.848 |
|  | FR1 n66 Main PA      | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5              | 349000        | 1745        | Close | 17.58 | 18.80 | 1.324 | - | - | 0.04  | 0.455 | 0.603 |
|  | FR1 n66              | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 14mm | Ant 0 | DSI 4              | 349000        | 1745        | Close | 23.51 | 24.00 | 1.119 | - | - | 0.01  | 0.029 | 0.032 |
|  | FR1 n66              | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Front | 14mm | Ant 0 | DSI 4              | 349000        | 1745        | Close | 23.25 | 24.00 | 1.189 | - | - | 0.06  | 0.031 | 0.037 |
|  | FR1 n66              | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 15mm | Ant 0 | DSI 4              | 349000        | 1745        | Close | 23.51 | 24.00 | 1.119 | - | - | 0.05  | 0.188 | 0.210 |
|  | FR1 n66              | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Back  | 15mm | Ant 0 | DSI 4              | 349000        | 1745        | Close | 23.25 | 24.00 | 1.189 | - | - | 0.04  | 0.195 | 0.232 |
|  | FR1 n66              | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5              | 349000        | 1745        | Close | 19.08 | 20.10 | 1.265 | - | - | 0.03  | 0.587 | 0.742 |
|  | FR1 n66              | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5              | 349000        | 1745        | Close | 18.95 | 20.10 | 1.303 | - | - | 0.04  | 0.699 | 0.911 |
|  | FR1 n66              | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5 Simultaneous | 349000        | 1745        | Close | 17.86 | 19.30 | 1.393 | - | - | 0.09  | 0.544 | 0.758 |
|  | FR1 n66              | 40M | QPSK | 216 | 0  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5              | 349000        | 1745        | Close | 18.98 | 20.10 | 1.294 | - | - | 0.09  | 0.691 | 0.894 |
|  | FR1 n66              | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 1 | DSI 5              | 349000        | 1745        | Close | 19.08 | 20.10 | 1.265 | - | - | 0.05  | 0.062 | 0.078 |
|  | FR1 n66              | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Back  | 5mm  | Ant 1 | DSI 5              | 349000        | 1745        | Close | 18.95 | 20.10 | 1.303 | - | - | 0.11  | 0.075 | 0.098 |
|  | FR1 n66 Main PA      | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5              | 349000        | 1745        | Close | 18.88 | 20.10 | 1.324 | - | - | -0.14 | 0.487 | 0.645 |
|  | FR1 n66              | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 14mm | Ant 1 | DSI 4              | 349000        | 1745        | Close | 23.08 | 24.00 | 1.236 | - | - | 0.01  | 0.219 | 0.271 |
|  | FR1 n66              | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Front | 14mm | Ant 1 | DSI 4              | 349000        | 1745        | Close | 22.98 | 24.00 | 1.265 | - | - | -0.08 | 0.222 | 0.281 |
|  | FR1 n66              | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 15mm | Ant 1 | DSI 4              | 349000        | 1745        | Close | 23.08 | 24.00 | 1.236 | - | - | 0.08  | 0.02  | 0.025 |
|  | FR1 n66              | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Back  | 15mm | Ant 1 | DSI 4              | 349000        | 1745        | Close | 22.98 | 24.00 | 1.265 | - | - | 0.03  | 0.05  | 0.063 |
|  | FR1 n66              | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 2 | DSI 5              | 349000        | 1745        | Close | 20.06 | 21.30 | 1.330 | - | - | 0.05  | 0.165 | 0.220 |
|  | FR1 n66              | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Front | 5mm  | Ant 2 | DSI 5              | 349000        | 1745        | Close | 19.90 | 21.30 | 1.380 | - | - | -0.04 | 0.157 | 0.217 |
|  | FR1 n66              | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 2 | DSI 5              | 349000        | 1745        | Close | 20.06 | 21.30 | 1.330 | - | - | -0.03 | 0.690 | 0.918 |
|  | FR1 n66              | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 2 | DSI 5 Simultaneous | 349000        | 1745        | Close | 19.03 | 20.50 | 1.403 | - | - | 0.05  | 0.553 | 0.776 |
|  | FR1 n66              | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Back  | 5mm  | Ant 2 | DSI 5              | 349000        | 1745        | Close | 19.90 | 21.30 | 1.380 | - | - | -0.12 | 0.613 | 0.846 |
|  | FR1 n66              | 40M | QPSK | 216 | 0  | DFT-SCS-15KHz | Back  | 5mm  | Ant 2 | DSI 5              | 349000        | 1745        | Close | 19.88 | 21.30 | 1.387 | - | - | -0.16 | 0.560 | 0.777 |
|  | FR1 n66 Main PA      | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 2 | DSI 5              | 349000        | 1745        | Close | 19.50 | 21.30 | 1.514 | - | - | -0.15 | 0.406 | 0.615 |
|  | FR1 n66              | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 14mm | Ant 2 | DSI 4              | 349000        | 1745        | Close | 23.03 | 24.00 | 1.250 | - | - | 0.03  | 0.511 | 0.639 |



# FCC SAR Test Report

Report No. : FA340401-01

|         |                 |     |      |     |    |                   |       |      |       |                    |        |        |       |       |       |       |   |   |       |       |       |
|---------|-----------------|-----|------|-----|----|-------------------|-------|------|-------|--------------------|--------|--------|-------|-------|-------|-------|---|---|-------|-------|-------|
|         | FR1 n66         | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Back  | 15mm | Ant 2 | DSI 4              | 349000 | 1745   | Close | 23.03 | 24.00 | 1.250 | - | - | 0.01  | 0.321 | 0.401 |
|         | FR1 n66         | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Front | 5mm  | Ant 3 | DSI 5              | 349000 | 1745   | Close | 20.60 | 22.10 | 1.413 | - | - | 0.12  | 0.650 | 0.918 |
|         | FR1 n66         | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Front | 5mm  | Ant 3 | DSI 5 Simultaneous | 349000 | 1745   | Close | 20.10 | 21.30 | 1.318 | - | - | 0.01  | 0.587 | 0.774 |
|         | FR1 n66         | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz     | Front | 5mm  | Ant 3 | DSI 5              | 349000 | 1745   | Close | 20.58 | 22.10 | 1.419 | - | - | 0.04  | 0.602 | 0.854 |
|         | FR1 n66         | 40M | QPSK | 216 | 0  | DFT-SCS-15KHz     | Front | 5mm  | Ant 3 | DSI 5              | 349000 | 1745   | Close | 20.57 | 22.10 | 1.422 | - | - | 0.12  | 0.627 | 0.892 |
|         | FR1 n66         | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 3 | DSI 5              | 349000 | 1745   | Close | 20.60 | 22.10 | 1.413 | - | - | -0.08 | 0.447 | 0.631 |
|         | FR1 n66         | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 3 | DSI 5              | 349000 | 1745   | Close | 20.58 | 22.10 | 1.419 | - | - | 0.06  | 0.452 | 0.641 |
|         | FR1 n66 Main PA | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Front | 5mm  | Ant 3 | DSI 5              | 349000 | 1745   | Close | 20.49 | 22.10 | 1.449 | - | - | -0.09 | 0.501 | 0.726 |
|         | FR1 n66         | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Front | 14mm | Ant 3 | DSI 4              | 349000 | 1745   | Close | 23.10 | 24.00 | 1.230 | - | - | 0.01  | 0.176 | 0.217 |
|         | FR1 n66         | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Back  | 15mm | Ant 3 | DSI 4              | 349000 | 1745   | Close | 23.10 | 24.00 | 1.230 | - | - | -0.05 | 0.186 | 0.229 |
|         | FR1 n66         | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz     | Back  | 15mm | Ant 3 | DSI 4              | 349000 | 1745   | Close | 23.01 | 24.00 | 1.256 | - | - | 0.11  | 0.189 | 0.237 |
|         | FR1 n70         | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Front | 5mm  | Ant 0 | DSI 5              | 340500 | 1702.5 | Close | 20.42 | 21.30 | 1.225 | - | - | 0.05  | 0.351 | 0.430 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Front | 5mm  | Ant 0 | DSI 5              | 340500 | 1702.5 | Close | 20.36 | 21.30 | 1.242 | - | - | -0.02 | 0.479 | 0.595 |
|         | FR1 n70         | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 0 | DSI 5              | 340500 | 1702.5 | Close | 20.42 | 21.30 | 1.225 | - | - | -0.16 | 0.545 | 0.667 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 0 | DSI 5              | 340500 | 1702.5 | Close | 20.36 | 21.30 | 1.242 | - | - | -0.02 | 0.749 | 0.930 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 0 | DSI 5 Simultaneous | 340500 | 1702.5 | Close | 19.32 | 20.50 | 1.312 | - | - | 0.05  | 0.587 | 0.770 |
|         | FR1 n70         | 15M | QPSK | 75  | 0  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 0 | DSI 5              | 340500 | 1702.5 | Close | 20.29 | 21.30 | 1.262 | - | - | 0.03  | 0.578 | 0.729 |
|         | FR1 n70         | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Front | 14mm | Ant 0 | DSI 4              | 340500 | 1702.5 | Close | 21.91 | 23.00 | 1.285 | - | - | 0.01  | 0.036 | 0.046 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Front | 14mm | Ant 0 | DSI 4              | 340500 | 1702.5 | Close | 21.81 | 23.00 | 1.315 | - | - | 0.05  | 0.038 | 0.050 |
|         | FR1 n70         | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Back  | 15mm | Ant 0 | DSI 4              | 340500 | 1702.5 | Close | 21.91 | 23.00 | 1.285 | - | - | -0.06 | 0.102 | 0.131 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Back  | 15mm | Ant 0 | DSI 4              | 340500 | 1702.5 | Close | 21.81 | 23.00 | 1.315 | - | - | 0.01  | 0.109 | 0.143 |
|         | FR1 n70         | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Front | 5mm  | Ant 1 | DSI 5              | 340500 | 1702.5 | Close | 18.65 | 19.60 | 1.245 | - | - | 0.01  | 0.553 | 0.688 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Front | 5mm  | Ant 1 | DSI 5              | 340500 | 1702.5 | Close | 18.61 | 19.60 | 1.256 | - | - | 0.05  | 0.740 | 0.929 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Front | 5mm  | Ant 1 | DSI 5 Simultaneous | 340500 | 1702.5 | Close | 17.58 | 18.80 | 1.324 | - | - | 0.08  | 0.588 | 0.779 |
|         | FR1 n70         | 15M | QPSK | 75  | 0  | DFT-SCS-15KHz     | Front | 5mm  | Ant 1 | DSI 5              | 340500 | 1702.5 | Close | 18.43 | 19.60 | 1.309 | - | - | -0.1  | 0.605 | 0.792 |
|         | FR1 n70         | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 1 | DSI 5              | 340500 | 1702.5 | Close | 18.65 | 19.60 | 1.245 | - | - | 0.06  | 0.440 | 0.548 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 1 | DSI 5              | 340500 | 1702.5 | Close | 18.61 | 19.60 | 1.256 | - | - | -0.1  | 0.666 | 0.837 |
|         | FR1 n70         | 15M | QPSK | 75  | 0  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 1 | DSI 5              | 340500 | 1702.5 | Close | 18.43 | 19.60 | 1.309 | - | - | 0.05  | 0.547 | 0.716 |
|         | FR1 n70         | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Front | 14mm | Ant 1 | DSI 4              | 340500 | 1702.5 | Close | 21.16 | 22.00 | 1.213 | - | - | -0.09 | 0.285 | 0.346 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Front | 14mm | Ant 1 | DSI 4              | 340500 | 1702.5 | Close | 21.06 | 22.00 | 1.242 | - | - | 0.03  | 0.299 | 0.371 |
|         | FR1 n70         | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Back  | 15mm | Ant 1 | DSI 4              | 340500 | 1702.5 | Close | 21.16 | 22.00 | 1.213 | - | - | -0.09 | 0.047 | 0.057 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Back  | 15mm | Ant 1 | DSI 4              | 340500 | 1702.5 | Close | 21.06 | 22.00 | 1.242 | - | - | 0.03  | 0.052 | 0.065 |
|         | FR1 n70         | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Front | 5mm  | Ant 2 | DSI 5              | 340500 | 1702.5 | Close | 20.36 | 21.60 | 1.330 | - | - | -0.1  | 0.396 | 0.527 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Front | 5mm  | Ant 2 | DSI 5              | 340500 | 1702.5 | Close | 20.35 | 21.60 | 1.334 | - | - | -0.16 | 0.539 | 0.719 |
|         | FR1 n70         | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 2 | DSI 5              | 340500 | 1702.5 | Close | 20.36 | 21.60 | 1.330 | - | - | 0.16  | 0.509 | 0.677 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 2 | DSI 5              | 340500 | 1702.5 | Close | 20.35 | 21.60 | 1.334 | - | - | 0.08  | 0.690 | 0.920 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 2 | DSI 5 Simultaneous | 340500 | 1702.5 | Close | 19.31 | 20.80 | 1.409 | - | - | -0.15 | 0.503 | 0.709 |
|         | FR1 n70         | 15M | QPSK | 75  | 0  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 2 | DSI 5              | 340500 | 1702.5 | Close | 20.18 | 21.60 | 1.387 | - | - | 0.01  | 0.627 | 0.869 |
|         | FR1 n70         | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Front | 14mm | Ant 2 | DSI 4              | 340500 | 1702.5 | Close | 22.29 | 23.00 | 1.178 | - | - | 0.05  | 0.478 | 0.563 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Front | 14mm | Ant 2 | DSI 4              | 340500 | 1702.5 | Close | 22.23 | 23.00 | 1.194 | - | - | -0.05 | 0.495 | 0.591 |
|         | FR1 n70         | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Back  | 15mm | Ant 2 | DSI 4              | 340500 | 1702.5 | Close | 22.29 | 23.00 | 1.178 | - | - | 0.01  | 0.301 | 0.354 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Back  | 15mm | Ant 2 | DSI 4              | 340500 | 1702.5 | Close | 22.23 | 23.00 | 1.194 | - | - | 0.09  | 0.315 | 0.376 |
|         | FR1 n70         | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Front | 5mm  | Ant 3 | DSI 5              | 340500 | 1702.5 | Close | 20.79 | 21.70 | 1.233 | - | - | 0.07  | 0.639 | 0.788 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Front | 5mm  | Ant 3 | DSI 5              | 340500 | 1702.5 | Close | 20.68 | 21.70 | 1.265 | - | - | -0.1  | 0.723 | 0.914 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Front | 5mm  | Ant 3 | DSI 5 Simultaneous | 340500 | 1702.5 | Close | 19.64 | 20.90 | 1.337 | - | - | 0.02  | 0.561 | 0.750 |
|         | FR1 n70         | 15M | QPSK | 75  | 0  | DFT-SCS-15KHz     | Front | 5mm  | Ant 3 | DSI 5              | 340500 | 1702.5 | Close | 20.59 | 21.70 | 1.291 | - | - | 0.05  | 0.702 | 0.906 |
|         | FR1 n70         | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 3 | DSI 5              | 340500 | 1702.5 | Close | 20.79 | 21.70 | 1.233 | - | - | 0.18  | 0.306 | 0.377 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 3 | DSI 5              | 340500 | 1702.5 | Close | 20.68 | 21.70 | 1.265 | - | - | 0.05  | 0.339 | 0.429 |
|         | FR1 n70         | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Front | 14mm | Ant 3 | DSI 4              | 340500 | 1702.5 | Close | 23.23 | 24.00 | 1.194 | - | - | 0.03  | 0.515 | 0.615 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Front | 14mm | Ant 3 | DSI 4              | 340500 | 1702.5 | Close | 23.13 | 24.00 | 1.222 | - | - | 0.01  | 0.522 | 0.638 |
|         | FR1 n70         | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Back  | 15mm | Ant 3 | DSI 4              | 340500 | 1702.5 | Close | 23.23 | 24.00 | 1.194 | - | - | -0.05 | 0.539 | 0.644 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Back  | 15mm | Ant 3 | DSI 4              | 340500 | 1702.5 | Close | 23.13 | 24.00 | 1.222 | - | - | 0.01  | 0.542 | 0.662 |
| 1900MHz |                 |     |      |     |    |                   |       |      |       |                    |        |        |       |       |       |       |   |   |       |       |       |
|         | GSM1900         | -   | -    | -   | -  | GPRS (3 Tx slots) | Front | 5mm  | Ant 0 | DSI 5              | 661    | 1880   | Close | 23.65 | 25.00 | 1.365 | - | - | -0.08 | 0.043 | 0.059 |
|         | GSM1900         | -   | -    | -   | -  | GPRS (3 Tx slots) | Back  | 5mm  | Ant 0 | DSI 5              | 661    | 1880   | Close | 23.65 | 25.00 | 1.365 | - | - | 0.03  | 0.681 | 0.929 |



# FCC SAR Test Report

Report No. : FA340401-01

|  |             |     |      |    |   |                   |       |      |       |                    |       |        |       |       |       |       |   |   |       |       |       |
|--|-------------|-----|------|----|---|-------------------|-------|------|-------|--------------------|-------|--------|-------|-------|-------|-------|---|---|-------|-------|-------|
|  | GSM1900     | -   | -    | -  | - | GPRS (3 Tx slots) | Back  | 5mm  | Ant 0 | DSI 5 Simultaneous | 661   | 1880   | Close | 22.63 | 24.20 | 1.435 | - | - | 0.05  | 0.557 | 0.800 |
|  | GSM1900     | -   | -    | -  | - | GPRS (3 Tx slots) | Back  | 5mm  | Ant 0 | DSI 5              | 512   | 1850.2 | Close | 23.56 | 25.00 | 1.393 | - | - | 0.09  | 0.664 | 0.925 |
|  | GSM1900     | -   | -    | -  | - | GPRS (3 Tx slots) | Back  | 5mm  | Ant 0 | DSI 5              | 810   | 1909.8 | Close | 23.51 | 25.00 | 1.409 | - | - | 0.12  | 0.578 | 0.815 |
|  | GSM1900     | -   | -    | -  | - | GPRS (3 Tx slots) | Front | 14mm | Ant 0 | DSI 4              | 661   | 1880   | Close | 26.21 | 27.00 | 1.199 | - | - | 0.01  | 0.031 | 0.037 |
|  | GSM1900     | -   | -    | -  | - | GPRS (3 Tx slots) | Back  | 15mm | Ant 0 | DSI 4              | 661   | 1880   | Close | 26.21 | 27.00 | 1.199 | - | - | 0.04  | 0.102 | 0.122 |
|  | GSM1900     | -   | -    | -  | - | GPRS (3 Tx slots) | Front | 5mm  | Ant 1 | DSI 5              | 661   | 1880   | Close | 21.75 | 22.80 | 1.274 | - | - | -0.02 | 0.737 | 0.939 |
|  | GSM1900     | -   | -    | -  | - | GPRS (3 Tx slots) | Front | 5mm  | Ant 1 | DSI 5 Simultaneous | 661   | 1880   | Close | 20.86 | 22.00 | 1.300 | - | - | 0.02  | 0.612 | 0.796 |
|  | GSM1900     | -   | -    | -  | - | GPRS (3 Tx slots) | Front | 5mm  | Ant 1 | DSI 5              | 512   | 1850.2 | Close | 21.55 | 22.80 | 1.334 | - | - | 0.09  | 0.480 | 0.640 |
|  | GSM1900     | -   | -    | -  | - | GPRS (3 Tx slots) | Front | 5mm  | Ant 1 | DSI 5              | 810   | 1909.8 | Close | 21.66 | 22.80 | 1.300 | - | - | 0.19  | 0.460 | 0.598 |
|  | GSM1900     | -   | -    | -  | - | GPRS (3 Tx slots) | Back  | 5mm  | Ant 1 | DSI 5              | 661   | 1880   | Close | 21.75 | 22.80 | 1.274 | - | - | -0.18 | 0.087 | 0.111 |
|  | GSM1900     | -   | -    | -  | - | GPRS (3 Tx slots) | Front | 14mm | Ant 1 | DSI 4              | 661   | 1880   | Close | 25.69 | 26.50 | 1.205 | - | - | 0.01  | 0.298 | 0.359 |
|  | GSM1900     | -   | -    | -  | - | GPRS (3 Tx slots) | Back  | 15mm | Ant 1 | DSI 4              | 661   | 1880   | Close | 25.69 | 26.50 | 1.205 | - | - | -0.05 | 0.045 | 0.054 |
|  | GSM1900     | -   | -    | -  | - | GPRS (3 Tx slots) | Front | 5mm  | Ant 2 | DSI 5              | 661   | 1880   | Close | 26.59 | 27.50 | 1.233 | - | - | 0.05  | 0.145 | 0.179 |
|  | GSM1900     | -   | -    | -  | - | GPRS (3 Tx slots) | Back  | 5mm  | Ant 2 | DSI 5              | 661   | 1880   | Close | 26.59 | 27.50 | 1.233 | - | - | -0.03 | 0.603 | 0.744 |
|  | GSM1900     | -   | -    | -  | - | GPRS (3 Tx slots) | Front | 5mm  | Ant 3 | DSI 5              | 661   | 1880   | Close | 26.21 | 27.50 | 1.346 | - | - | -0.13 | 0.684 | 0.921 |
|  | GSM1900     | -   | -    | -  | - | GPRS (3 Tx slots) | Front | 5mm  | Ant 3 | DSI 5 Simultaneous | 661   | 1880   | Close | 25.31 | 26.70 | 1.377 | - | - | 0.03  | 0.524 | 0.722 |
|  | GSM1900     | -   | -    | -  | - | GPRS (3 Tx slots) | Front | 5mm  | Ant 3 | DSI 5              | 512   | 1850.2 | Close | 26.01 | 27.50 | 1.409 | - | - | -0.13 | 0.588 | 0.829 |
|  | GSM1900     | -   | -    | -  | - | GPRS (3 Tx slots) | Front | 5mm  | Ant 3 | DSI 5              | 810   | 1909.8 | Close | 26.11 | 27.50 | 1.377 | - | - | -0.16 | 0.617 | 0.850 |
|  | GSM1900     | -   | -    | -  | - | GPRS (3 Tx slots) | Back  | 5mm  | Ant 3 | DSI 5              | 661   | 1880   | Close | 26.21 | 27.50 | 1.346 | - | - | 0.04  | 0.159 | 0.214 |
|  | GSM1900     | -   | -    | -  | - | GPRS (3 Tx slots) | Front | 14mm | Ant 3 | DSI 4              | 661   | 1880   | Close | 27.53 | 28.50 | 1.250 | - | - | 0.04  | 0.202 | 0.253 |
|  | GSM1900     | -   | -    | -  | - | GPRS (3 Tx slots) | Back  | 15mm | Ant 3 | DSI 4              | 661   | 1880   | Close | 27.53 | 28.50 | 1.250 | - | - | 0.09  | 0.185 | 0.231 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Front | 5mm  | Ant 0 | DSI 5              | 9400  | 1880   | Close | 17.92 | 19.20 | 1.343 | - | - | -0.08 | 0.076 | 0.102 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Back  | 5mm  | Ant 0 | DSI 5              | 9400  | 1880   | Close | 17.92 | 19.20 | 1.343 | - | - | 0.09  | 0.680 | 0.913 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Back  | 5mm  | Ant 0 | DSI 5 Simultaneous | 9400  | 1880   | Close | 16.95 | 18.40 | 1.396 | - | - | 0.01  | 0.564 | 0.788 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Back  | 5mm  | Ant 0 | DSI 5              | 9262  | 1852.4 | Close | 17.69 | 19.20 | 1.416 | - | - | 0.09  | 0.612 | 0.866 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Back  | 5mm  | Ant 0 | DSI 5              | 9538  | 1907.6 | Close | 17.72 | 19.20 | 1.406 | - | - | 0.07  | 0.605 | 0.851 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Front | 14mm | Ant 0 | DSI 4              | 9400  | 1880   | Close | 22.82 | 24.00 | 1.312 | - | - | 0.01  | 0.321 | 0.421 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Back  | 15mm | Ant 0 | DSI 4              | 9400  | 1880   | Close | 22.82 | 24.00 | 1.312 | - | - | 0.05  | 0.152 | 0.199 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Front | 5mm  | Ant 1 | DSI 5              | 9400  | 1880   | Close | 15.66 | 16.80 | 1.300 | - | - | 0.06  | 0.701 | 0.911 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Front | 5mm  | Ant 1 | DSI 5 Simultaneous | 9400  | 1880   | Close | 14.69 | 16.00 | 1.352 | - | - | 0.05  | 0.577 | 0.780 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Front | 5mm  | Ant 1 | DSI 5              | 9262  | 1852.4 | Close | 15.44 | 16.80 | 1.368 | - | - | 0.02  | 0.642 | 0.878 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Front | 5mm  | Ant 1 | DSI 5              | 9538  | 1907.6 | Close | 15.47 | 16.80 | 1.358 | - | - | -0.08 | 0.420 | 0.570 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Back  | 5mm  | Ant 1 | DSI 5              | 9400  | 1880   | Close | 15.66 | 16.80 | 1.300 | - | - | -0.11 | 0.082 | 0.107 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Front | 14mm | Ant 1 | DSI 4              | 9400  | 1880   | Close | 22.49 | 24.00 | 1.416 | - | - | 0.01  | 0.451 | 0.639 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Back  | 15mm | Ant 1 | DSI 4              | 9400  | 1880   | Close | 22.49 | 24.00 | 1.416 | - | - | -0.06 | 0.075 | 0.106 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Front | 5mm  | Ant 2 | DSI 5              | 9400  | 1880   | Close | 22.17 | 23.10 | 1.239 | - | - | 0.05  | 0.150 | 0.186 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Back  | 5mm  | Ant 2 | DSI 5              | 9400  | 1880   | Close | 22.17 | 23.10 | 1.239 | - | - | -0.17 | 0.628 | 0.778 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Back  | 5mm  | Ant 2 | DSI 5              | 9262  | 1852.4 | Close | 22.02 | 23.10 | 1.282 | - | - | 0.01  | 0.632 | 0.810 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Back  | 5mm  | Ant 2 | DSI 5              | 9538  | 1907.6 | Close | 22.14 | 23.10 | 1.247 | - | - | -0.04 | 0.745 | 0.929 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Back  | 5mm  | Ant 2 | DSI 5 Simultaneous | 9538  | 1907.6 | Close | 21.11 | 22.30 | 1.315 | - | - | 0.02  | 0.580 | 0.763 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Front | 14mm | Ant 2 | DSI 4              | 9400  | 1880   | Close | 23.27 | 24.00 | 1.183 | - | - | 0.01  | 0.04  | 0.047 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Back  | 15mm | Ant 2 | DSI 4              | 9400  | 1880   | Close | 23.27 | 24.00 | 1.183 | - | - | 0.05  | 0.210 | 0.248 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Front | 5mm  | Ant 3 | DSI 5              | 9400  | 1880   | Close | 20.65 | 22.00 | 1.365 | - | - | -0.11 | 0.682 | 0.931 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Front | 5mm  | Ant 3 | DSI 5 Simultaneous | 9400  | 1880   | Close | 19.71 | 21.20 | 1.409 | - | - | 0.03  | 0.564 | 0.795 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Front | 5mm  | Ant 3 | DSI 5              | 9262  | 1852.4 | Close | 20.46 | 22.00 | 1.426 | - | - | -0.11 | 0.623 | 0.888 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Front | 5mm  | Ant 3 | DSI 5              | 9538  | 1907.6 | Close | 20.41 | 22.00 | 1.442 | - | - | -0.11 | 0.560 | 0.808 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Back  | 5mm  | Ant 3 | DSI 5              | 9400  | 1880   | Close | 20.65 | 22.00 | 1.365 | - | - | 0.09  | 0.100 | 0.136 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Front | 14mm | Ant 3 | DSI 4              | 9400  | 1880   | Close | 24.00 | 25.00 | 1.259 | - | - | 0.06  | 0.256 | 0.322 |
|  | WCDMA II    | -   | -    | -  | - | RMC 12.2Kbps      | Back  | 15mm | Ant 3 | DSI 4              | 9400  | 1880   | Close | 24.00 | 25.00 | 1.259 | - | - | 0.01  | 0.07  | 0.088 |
|  | LTE Band 25 | 20M | QPSK | 1  | 0 | -                 | Front | 5mm  | Ant 0 | DSI 5              | 26340 | 1880   | Close | 20.21 | 21.20 | 1.256 | - | - | 0.03  | 0.066 | 0.083 |
|  | LTE Band 25 | 20M | QPSK | 50 | 0 | -                 | Front | 5mm  | Ant 0 | DSI 5              | 26340 | 1880   | Close | 20.15 | 21.20 | 1.274 | - | - | 0.04  | 0.055 | 0.070 |



# FCC SAR Test Report

Report No. : FA340401-01

|  |                        |     |      |     |    |               |       |      |       |                       |        |        |       |       |       |       |   |   |       |       |       |
|--|------------------------|-----|------|-----|----|---------------|-------|------|-------|-----------------------|--------|--------|-------|-------|-------|-------|---|---|-------|-------|-------|
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | DSI 5                 | 26340  | 1880   | Close | 20.21 | 21.20 | 1.256 | - | - | 0.09  | 0.732 | 0.919 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | DSI 5<br>Simultaneous | 26340  | 1880   | Close | 19.25 | 20.40 | 1.303 | - | - | -0.11 | 0.611 | 0.796 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | DSI 5                 | 26140  | 1860   | Close | 20.13 | 21.20 | 1.279 | - | - | 0.07  | 0.586 | 0.750 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | DSI 5                 | 26590  | 1905   | Close | 20.15 | 21.20 | 1.274 | - | - | 0.12  | 0.601 | 0.765 |
|  | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 0 | DSI 5                 | 26340  | 1880   | Close | 20.15 | 21.20 | 1.274 | - | - | -0.14 | 0.619 | 0.788 |
|  | LTE Band 25            | 20M | QPSK | 100 | 0  | -             | Back  | 5mm  | Ant 0 | DSI 5                 | 26340  | 1880   | Close | 20.08 | 21.20 | 1.294 | - | - | -0.05 | 0.615 | 0.796 |
|  | LTE Band 2<br>Other PA | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | DSI 5                 | 18900  | 1880   | Close | 20.23 | 21.20 | 1.250 | - | - | 0.01  | 0.701 | 0.876 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Front | 14mm | Ant 0 | DSI 4                 | 26340  | 1880   | Close | 23.45 | 24.00 | 1.135 | - | - | -0.05 | 0.021 | 0.024 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Back  | 15mm | Ant 0 | DSI 4                 | 26340  | 1880   | Close | 23.45 | 24.00 | 1.135 | - | - | 0.01  | 0.08  | 0.091 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 26340  | 1880   | Close | 16.39 | 17.50 | 1.291 | - | - | 0.02  | 0.718 | 0.927 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 1 | DSI 5<br>Simultaneous | 26340  | 1880   | Close | 15.35 | 16.70 | 1.365 | - | - | 0.12  | 0.581 | 0.793 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 26140  | 1860   | Close | 16.12 | 17.50 | 1.374 | - | - | 0.02  | 0.622 | 0.855 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 26590  | 1905   | Close | 16.11 | 17.50 | 1.377 | - | - | 0.08  | 0.389 | 0.536 |
|  | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 26340  | 1880   | Close | 16.16 | 17.50 | 1.361 | - | - | 0.06  | 0.619 | 0.843 |
|  | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 26140  | 1860   | Close | 16.15 | 17.50 | 1.365 | - | - | 0.14  | 0.593 | 0.809 |
|  | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 26590  | 1905   | Close | 16.09 | 17.50 | 1.384 | - | - | 0.05  | 0.322 | 0.446 |
|  | LTE Band 25            | 20M | QPSK | 100 | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 26340  | 1880   | Close | 16.15 | 17.50 | 1.365 | - | - | 0.16  | 0.604 | 0.824 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 1 | DSI 5                 | 26340  | 1880   | Close | 16.39 | 17.50 | 1.291 | - | - | 0.06  | 0.185 | 0.239 |
|  | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 1 | DSI 5                 | 26340  | 1880   | Close | 16.16 | 17.50 | 1.361 | - | - | 0.03  | 0.166 | 0.226 |
|  | LTE Band 2<br>Other PA | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 18900  | 1880   | Close | 16.33 | 17.50 | 1.309 | - | - | 0.09  | 0.685 | 0.897 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Front | 14mm | Ant 1 | DSI 4                 | 26340  | 1880   | Close | 23.23 | 24.00 | 1.194 | - | - | 0.07  | 0.185 | 0.221 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Back  | 15mm | Ant 1 | DSI 4                 | 26340  | 1880   | Close | 23.23 | 24.00 | 1.194 | - | - | 0.05  | 0.126 | 0.150 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 2 | DSI 5                 | 26340  | 1880   | Close | 21.40 | 22.60 | 1.318 | - | - | 0.09  | 0.158 | 0.208 |
|  | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 2 | DSI 5                 | 26340  | 1880   | Close | 21.23 | 22.60 | 1.371 | - | - | -0.02 | 0.137 | 0.188 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 2 | DSI 5                 | 26340  | 1880   | Close | 21.40 | 22.60 | 1.318 | - | - | -0.12 | 0.693 | 0.914 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 2 | DSI 5<br>Simultaneous | 26340  | 1880   | Close | 20.47 | 21.80 | 1.358 | - | - | 0.04  | 0.525 | 0.713 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 2 | DSI 5                 | 26140  | 1860   | Close | 21.27 | 22.60 | 1.358 | - | - | 0.08  | 0.410 | 0.557 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 2 | DSI 5                 | 26590  | 1905   | Close | 21.24 | 22.60 | 1.368 | - | - | -0.09 | 0.501 | 0.685 |
|  | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 2 | DSI 5                 | 26340  | 1880   | Close | 21.23 | 22.60 | 1.371 | - | - | 0.05  | 0.609 | 0.835 |
|  | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 2 | DSI 5                 | 26140  | 1860   | Close | 21.18 | 22.60 | 1.387 | - | - | -0.11 | 0.642 | 0.890 |
|  | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 2 | DSI 5                 | 26590  | 1905   | Close | 21.12 | 22.60 | 1.406 | - | - | 0.03  | 0.635 | 0.893 |
|  | LTE Band 25            | 20M | QPSK | 100 | 0  | -             | Back  | 5mm  | Ant 2 | DSI 5                 | 26340  | 1880   | Close | 21.27 | 22.60 | 1.358 | - | - | -0.11 | 0.581 | 0.789 |
|  | LTE Band 2<br>Other PA | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 2 | DSI 5                 | 18900  | 1880   | Close | 21.37 | 22.60 | 1.327 | - | - | 0.03  | 0.521 | 0.692 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Front | 14mm | Ant 2 | DSI 4                 | 26340  | 1880   | Close | 21.84 | 23.50 | 1.466 | - | - | 0.04  | 0.056 | 0.082 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Back  | 15mm | Ant 2 | DSI 4                 | 26340  | 1880   | Close | 21.84 | 23.50 | 1.466 | - | - | 0.01  | 0.066 | 0.097 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | DSI 5                 | 26340  | 1880   | Close | 20.43 | 21.40 | 1.250 | - | - | -0.05 | 0.728 | 0.910 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | DSI 5<br>Simultaneous | 26340  | 1880   | Close | 19.32 | 20.60 | 1.343 | - | - | 0.09  | 0.539 | 0.724 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | DSI 5                 | 26140  | 1860   | Close | 20.38 | 21.40 | 1.265 | - | - | 0.08  | 0.328 | 0.415 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | DSI 5                 | 26590  | 1905   | Close | 20.29 | 21.40 | 1.291 | - | - | 0.06  | 0.407 | 0.526 |
|  | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 3 | DSI 5                 | 26340  | 1880   | Close | 20.42 | 21.40 | 1.253 | - | - | 0.02  | 0.656 | 0.822 |
|  | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 3 | DSI 5                 | 26140  | 1860   | Close | 20.28 | 21.40 | 1.294 | - | - | 0.1   | 0.701 | 0.907 |
|  | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 3 | DSI 5                 | 26590  | 1905   | Close | 20.24 | 21.40 | 1.306 | - | - | 0.14  | 0.622 | 0.812 |
|  | LTE Band 25            | 20M | QPSK | 100 | 0  | -             | Front | 5mm  | Ant 3 | DSI 5                 | 26340  | 1880   | Close | 20.36 | 21.40 | 1.271 | - | - | -0.17 | 0.646 | 0.821 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 3 | DSI 5                 | 26340  | 1880   | Close | 20.43 | 21.40 | 1.250 | - | - | 0.14  | 0.218 | 0.273 |
|  | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 3 | DSI 5                 | 26340  | 1880   | Close | 20.38 | 21.40 | 1.265 | - | - | 0.03  | 0.194 | 0.245 |
|  | LTE Band 2<br>Other PA | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | DSI 5                 | 18900  | 1880   | Close | 20.53 | 21.40 | 1.222 | - | - | 0.01  | 0.556 | 0.679 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Front | 14mm | Ant 3 | DSI 4                 | 26340  | 1880   | Close | 22.65 | 24.00 | 1.365 | - | - | 0.01  | 0.056 | 0.076 |
|  | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Back  | 15mm | Ant 3 | DSI 4                 | 26340  | 1880   | Close | 22.65 | 24.00 | 1.365 | - | - | 0.05  | 0.215 | 0.293 |
|  | FR1 n25                | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 0 | DSI 5                 | 376500 | 1882.5 | Close | 19.51 | 20.40 | 1.227 | - | - | -0.06 | 0.064 | 0.079 |
|  | FR1 n25                | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 5mm  | Ant 0 | DSI 5                 | 376500 | 1882.5 | Close | 19.55 | 20.40 | 1.216 | - | - | 0.11  | 0.056 | 0.068 |
|  | FR1 n25                | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5                 | 376500 | 1882.5 | Close | 19.51 | 20.40 | 1.227 | - | - | 0.03  | 0.729 | 0.895 |
|  | FR1 n25                | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5                 | 372000 | 1860   | Close | 19.44 | 20.40 | 1.247 | - | - | 0.01  | 0.622 | 0.776 |
|  | FR1 n25                | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5                 | 381000 | 1905   | Close | 19.24 | 20.40 | 1.306 | - | - | -0.06 | 0.612 | 0.799 |
|  | FR1 n25                | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5                 | 376500 | 1882.5 | Close | 19.55 | 20.40 | 1.216 | - | - | 0.18  | 0.751 | 0.913 |



# FCC SAR Test Report

Report No. : FA340401-01

|  |                 |     |      |     |    |               |       |      |       |                       |        |        |       |       |       |       |   |   |       |       |       |
|--|-----------------|-----|------|-----|----|---------------|-------|------|-------|-----------------------|--------|--------|-------|-------|-------|-------|---|---|-------|-------|-------|
|  | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5<br>Simultaneous | 376500 | 1882.5 | Close | 18.69 | 19.60 | 1.233 | - | - | 0.08  | 0.529 | 0.652 |
|  | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5                 | 372000 | 1860   | Close | 19.40 | 20.40 | 1.259 | - | - | 0.01  | 0.702 | 0.884 |
|  | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5                 | 381000 | 1905   | Close | 19.41 | 20.40 | 1.256 | - | - | -0.03 | 0.654 | 0.821 |
|  | FR1 n25         | 20M | QPSK | 100 | 0  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5                 | 376500 | 1882.5 | Close | 19.38 | 20.40 | 1.265 | - | - | -0.14 | 0.712 | 0.900 |
|  | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 14mm | Ant 0 | DSI 4                 | 376500 | 1882.5 | Close | 22.06 | 23.00 | 1.242 | - | - | 0.03  | 0.156 | 0.194 |
|  | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 15mm | Ant 0 | DSI 4                 | 376500 | 1882.5 | Close | 22.06 | 23.00 | 1.242 | - | - | -0.01 | 0.202 | 0.251 |
|  | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 15mm | Ant 0 | DSI 4                 | 376500 | 1882.5 | Close | 21.97 | 23.00 | 1.268 | - | - | 0.06  | 0.215 | 0.273 |
|  | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5                 | 376500 | 1882.5 | Close | 16.74 | 18.00 | 1.337 | - | - | 0.02  | 0.690 | 0.922 |
|  | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5<br>Simultaneous | 376500 | 1882.5 | Close | 15.89 | 17.20 | 1.352 | - | - | 0.01  | 0.587 | 0.794 |
|  | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5                 | 372000 | 1860   | Close | 16.54 | 18.00 | 1.400 | - | - | 0.01  | 0.625 | 0.875 |
|  | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5                 | 381000 | 1905   | Close | 16.54 | 18.00 | 1.400 | - | - | 0.09  | 0.602 | 0.843 |
|  | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5                 | 376500 | 1882.5 | Close | 16.56 | 18.00 | 1.393 | - | - | -0.09 | 0.622 | 0.867 |
|  | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5                 | 372000 | 1860   | Close | 16.47 | 18.00 | 1.422 | - | - | -0.09 | 0.622 | 0.885 |
|  | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5                 | 381000 | 1905   | Close | 16.43 | 18.00 | 1.435 | - | - | -0.09 | 0.622 | 0.893 |
|  | FR1 n25         | 20M | QPSK | 100 | 0  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5                 | 376500 | 1882.5 | Close | 16.45 | 18.00 | 1.429 | - | - | -0.05 | 0.628 | 0.897 |
|  | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 1 | DSI 5                 | 376500 | 1882.5 | Close | 16.74 | 18.00 | 1.337 | - | - | 0.03  | 0.087 | 0.116 |
|  | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 5mm  | Ant 1 | DSI 5                 | 376500 | 1882.5 | Close | 16.56 | 18.00 | 1.393 | - | - | -0.11 | 0.088 | 0.123 |
|  | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 14mm | Ant 1 | DSI 4                 | 376500 | 1882.5 | Close | 21.67 | 23.00 | 1.358 | - | - | 0.09  | 0.352 | 0.478 |
|  | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 15mm | Ant 1 | DSI 4                 | 376500 | 1882.5 | Close | 21.67 | 23.00 | 1.358 | - | - | 0.01  | 0.264 | 0.359 |
|  | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 15mm | Ant 1 | DSI 4                 | 376500 | 1882.5 | Close | 21.51 | 23.00 | 1.409 | - | - | 0.03  | 0.277 | 0.390 |
|  | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 2 | DSI 5                 | 376500 | 1882.5 | Close | 21.96 | 22.40 | 1.107 | - | - | 0.09  | 0.098 | 0.108 |
|  | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 5mm  | Ant 2 | DSI 5                 | 376500 | 1882.5 | Close | 21.86 | 22.40 | 1.132 | - | - | -0.12 | 0.097 | 0.110 |
|  | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 2 | DSI 5                 | 376500 | 1882.5 | Close | 21.96 | 22.40 | 1.107 | - | - | 0.06  | 0.501 | 0.554 |
|  | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 5mm  | Ant 2 | DSI 5                 | 376500 | 1882.5 | Close | 21.86 | 22.40 | 1.132 | - | - | -0.03 | 0.535 | 0.606 |
|  | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 14mm | Ant 2 | DSI 4                 | 376500 | 1882.5 | Close | 21.86 | 23.00 | 1.300 | - | - | 0.01  | 0.049 | 0.064 |
|  | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 14mm | Ant 2 | DSI 4                 | 376500 | 1882.5 | Close | 21.86 | 23.00 | 1.300 | - | - | 0.09  | 0.068 | 0.088 |
|  | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 15mm | Ant 2 | DSI 4                 | 376500 | 1882.5 | Close | 21.86 | 23.00 | 1.300 | - | - | 0.04  | 0.182 | 0.237 |
|  | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 15mm | Ant 2 | DSI 4                 | 376500 | 1882.5 | Close | 21.86 | 23.00 | 1.300 | - | - | -0.02 | 0.196 | 0.255 |
|  | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 3 | DSI 5                 | 376500 | 1882.5 | Close | 21.04 | 22.10 | 1.276 | - | - | 0.05  | 0.603 | 0.770 |
|  | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 5mm  | Ant 3 | DSI 5                 | 376500 | 1882.5 | Close | 20.68 | 22.10 | 1.387 | - | - | 0.03  | 0.662 | 0.918 |
|  | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 5mm  | Ant 3 | DSI 5<br>Simultaneous | 376500 | 1882.5 | Close | 19.57 | 21.30 | 1.489 | - | - | 0.06  | 0.524 | 0.780 |
|  | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 5mm  | Ant 3 | DSI 5                 | 372000 | 1860   | Close | 20.65 | 22.10 | 1.396 | - | - | 0.01  | 0.612 | 0.855 |
|  | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 5mm  | Ant 3 | DSI 5                 | 381000 | 1905   | Close | 20.56 | 22.10 | 1.426 | - | - | -0.06 | 0.605 | 0.862 |
|  | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 5mm  | Ant 3 | DSI 5                 | 376000 | 1880   | Close | 20.56 | 22.10 | 1.426 |   |   | 0.01  | 0.602 | 0.858 |
|  | FR1 n25         | 20M | QPSK | 100 | 0  | DFT-SCS-15KHz | Front | 5mm  | Ant 3 | DSI 5                 | 376500 | 1882.5 | Close | 20.61 | 22.10 | 1.409 | - | - | -0.04 | 0.647 | 0.912 |
|  | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 3 | DSI 5                 | 376500 | 1882.5 | Close | 21.04 | 22.10 | 1.276 | - | - | 0.13  | 0.115 | 0.147 |
|  | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 5mm  | Ant 3 | DSI 5                 | 376500 | 1882.5 | Close | 20.68 | 22.10 | 1.387 | - | - | -0.19 | 0.111 | 0.154 |
|  | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 14mm | Ant 3 | DSI 4                 | 376500 | 1882.5 | Close | 22.99 | 24.00 | 1.262 | - | - | 0.02  | 0.444 | 0.560 |
|  | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 14mm | Ant 3 | DSI 4                 | 376500 | 1882.5 | Close | 22.75 | 24.00 | 1.334 | - | - | -0.01 | 0.456 | 0.608 |
|  | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 15mm | Ant 3 | DSI 4                 | 376500 | 1882.5 | Close | 22.99 | 24.00 | 1.262 | - | - | 0.06  | 0.102 | 0.129 |
|  | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 15mm | Ant 3 | DSI 4                 | 376500 | 1882.5 | Close | 22.75 | 24.00 | 1.334 | - | - | 0.01  | 0.113 | 0.151 |
|  | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 0 | DSI 5                 | 376000 | 1880   | Close | 19.61 | 20.40 | 1.199 | - | - | 0.09  | 0.062 | 0.074 |
|  | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 5mm  | Ant 0 | DSI 5                 | 376000 | 1880   | Close | 19.58 | 20.40 | 1.208 | - | - | 0.05  | 0.055 | 0.066 |
|  | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5                 | 376000 | 1880   | Close | 19.61 | 20.40 | 1.199 | - | - | -0.17 | 0.711 | 0.853 |
|  | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5                 | 372000 | 1860   | Close | 19.49 | 20.40 | 1.233 | - | - | 0.04  | 0.626 | 0.772 |
|  | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5                 | 380000 | 1900   | Close | 19.16 | 20.40 | 1.330 | - | - | 0.01  | 0.635 | 0.845 |
|  | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5                 | 376000 | 1880   | Close | 19.58 | 20.40 | 1.208 | - | - | -0.04 | 0.732 | 0.884 |
|  | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5<br>Simultaneous | 376000 | 1880   | Close | 18.62 | 19.60 | 1.253 | - | - | 0.03  | 0.512 | 0.642 |
|  | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5                 | 372000 | 1860   | Close | 19.38 | 20.40 | 1.265 | - | - | 0.01  | 0.653 | 0.826 |
|  | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5                 | 380000 | 1900   | Close | 19.36 | 20.40 | 1.271 | - | - | 0.09  | 0.667 | 0.847 |
|  | FR1 n2_Other PA | 20M | QPSK | 100 | 0  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5                 | 376000 | 1880   | Close | 19.43 | 20.40 | 1.250 | - | - | 0.16  | 0.516 | 0.645 |
|  | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 14mm | Ant 0 | DSI 4                 | 376000 | 1880   | Close | 23.81 | 25.00 | 1.315 | - | - | 0.01  | 0.201 | 0.264 |
|  | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 15mm | Ant 0 | DSI 4                 | 376000 | 1880   | Close | 23.81 | 25.00 | 1.315 | - | - | 0.06  | 0.256 | 0.337 |
|  | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 15mm | Ant 0 | DSI 4                 | 376000 | 1880   | Close | 23.73 | 25.00 | 1.340 | - | - | 0.02  | 0.264 | 0.354 |
|  | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5                 | 376000 | 1880   | Close | 16.58 | 18.00 | 1.387 | - | - | -0.11 | 0.681 | 0.944 |



# FCC SAR Test Report

Report No. : FA340401-01

|         |                 |     |      |     |    |               |       |      |       |                       |        |      |       |       |       |       |   |   |       |       |       |
|---------|-----------------|-----|------|-----|----|---------------|-------|------|-------|-----------------------|--------|------|-------|-------|-------|-------|---|---|-------|-------|-------|
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5<br>Simultaneous | 376000 | 1880 | Close | 15.56 | 17.20 | 1.459 | - | - | 0.01  | 0.541 | 0.789 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5                 | 376000 | 1880 | Close | 16.38 | 18.00 | 1.452 | - | - | 0.01  | 0.562 | 0.816 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5                 | 376000 | 1880 | Close | 16.38 | 18.00 | 1.452 | - | - | 0.06  | 0.523 | 0.759 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5                 | 376000 | 1880 | Close | 16.52 | 18.00 | 1.406 | - | - | 0.08  | 0.614 | 0.863 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5                 | 376000 | 1880 | Close | 16.27 | 18.00 | 1.489 | - | - | 0.01  | 0.544 | 0.810 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5                 | 376000 | 1880 | Close | 16.35 | 18.00 | 1.462 | - | - | 0.09  | 0.500 | 0.731 |
|         | FR1 n2_Other PA | 20M | QPSK | 100 | 0  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5                 | 376000 | 1880 | Close | 16.42 | 18.00 | 1.439 | - | - | 0.02  | 0.620 | 0.892 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 1 | DSI 5                 | 376000 | 1880 | Close | 16.58 | 18.00 | 1.387 | - | - | -0.06 | 0.086 | 0.119 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 5mm  | Ant 1 | DSI 5                 | 376000 | 1880 | Close | 16.52 | 18.00 | 1.406 | - | - | -0.15 | 0.087 | 0.122 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 14mm | Ant 1 | DSI 4                 | 376000 | 1880 | Close | 23.33 | 24.00 | 1.167 | - | - | -0.09 | 0.505 | 0.589 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 15mm | Ant 1 | DSI 4                 | 376000 | 1880 | Close | 23.33 | 24.00 | 1.167 | - | - | 0.01  | 0.046 | 0.054 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 15mm | Ant 1 | DSI 4                 | 376000 | 1880 | Close | 23.27 | 24.00 | 1.183 | - | - | 0.03  | 0.065 | 0.077 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 2 | DSI 5                 | 376000 | 1880 | Close | 22.18 | 22.40 | 1.052 | - | - | -0.03 | 0.130 | 0.137 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 5mm  | Ant 2 | DSI 5                 | 376000 | 1880 | Close | 22.05 | 22.40 | 1.084 | - | - | 0.08  | 0.129 | 0.140 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 2 | DSI 5                 | 376000 | 1880 | Close | 22.18 | 22.40 | 1.052 | - | - | 0.05  | 0.666 | 0.701 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 5mm  | Ant 2 | DSI 5                 | 376000 | 1880 | Close | 22.05 | 22.40 | 1.084 | - | - | 0.05  | 0.711 | 0.771 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 14mm | Ant 2 | DSI 4                 | 376000 | 1880 | Close | 23.28 | 24.00 | 1.180 | - | - | 0.01  | 0.033 | 0.039 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 14mm | Ant 2 | DSI 4                 | 376000 | 1880 | Close | 23.15 | 24.00 | 1.216 | - | - | 0.06  | 0.035 | 0.043 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 15mm | Ant 2 | DSI 4                 | 376000 | 1880 | Close | 23.28 | 24.00 | 1.180 | - | - | 0.01  | 0.212 | 0.250 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 15mm | Ant 2 | DSI 4                 | 376000 | 1880 | Close | 23.15 | 24.00 | 1.216 | - | - | -0.06 | 0.233 | 0.283 |
| 2300MHz |                 |     |      |     |    |               |       |      |       |                       |        |      |       |       |       |       |   |   |       |       |       |
|         | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 0 | DSI 5                 | 27710  | 2310 | Close | 18.32 | 19.20 | 1.225 | - | - | 0.17  | 0.069 | 0.084 |
|         | LTE Band 30     | 10M | QPSK | 25  | 0  | -             | Front | 5mm  | Ant 0 | DSI 5                 | 27710  | 2310 | Close | 18.24 | 19.20 | 1.247 | - | - | 0.18  | 0.050 | 0.062 |
|         | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | DSI 5                 | 27710  | 2310 | Close | 18.32 | 19.20 | 1.225 | - | - | -0.08 | 0.750 | 0.918 |
|         | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | DSI 5<br>Simultaneous | 27710  | 2310 | Close | 17.30 | 18.40 | 1.288 | - | - | 0.05  | 0.615 | 0.792 |
|         | LTE Band 30     | 10M | QPSK | 25  | 0  | -             | Back  | 5mm  | Ant 0 | DSI 5                 | 27710  | 2310 | Close | 18.24 | 19.20 | 1.247 | - | - | 0.05  | 0.548 | 0.684 |
|         | LTE Band 30     | 10M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 0 | DSI 5                 | 27710  | 2310 | Close | 18.17 | 19.20 | 1.268 | - | - | 0.03  | 0.581 | 0.737 |
|         | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Front | 14mm | Ant 0 | DSI 4                 | 27710  | 2310 | Close | 20.55 | 22.00 | 1.396 | - | - | 0.03  | 0.212 | 0.296 |
|         | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Back  | 15mm | Ant 0 | DSI 4                 | 27710  | 2310 | Close | 20.55 | 22.00 | 1.396 | - | - | -0.02 | 0.152 | 0.212 |
|         | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 27710  | 2310 | Close | 19.35 | 20.30 | 1.245 | - | - | -0.03 | 0.741 | 0.922 |
|         | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 1 | DSI 5<br>Simultaneous | 27710  | 2310 | Close | 18.42 | 19.50 | 1.282 | - | - | 0.01  | 0.615 | 0.789 |
|         | LTE Band 30     | 10M | QPSK | 25  | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 27710  | 2310 | Close | 19.11 | 20.30 | 1.315 | - | - | -0.05 | 0.547 | 0.719 |
|         | LTE Band 30     | 10M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 27710  | 2310 | Close | 19.05 | 20.30 | 1.334 | - | - | -0.08 | 0.567 | 0.756 |
|         | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 1 | DSI 5                 | 27710  | 2310 | Close | 19.35 | 20.30 | 1.245 | - | - | 0.02  | 0.111 | 0.138 |
|         | LTE Band 30     | 10M | QPSK | 25  | 0  | -             | Back  | 5mm  | Ant 1 | DSI 5                 | 27710  | 2310 | Close | 19.11 | 20.30 | 1.315 | - | - | 0.08  | 0.085 | 0.112 |
|         | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Front | 14mm | Ant 1 | DSI 4                 | 27710  | 2310 | Close | 20.76 | 22.00 | 1.330 | - | - | 0.02  | 0.144 | 0.192 |
|         | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Back  | 15mm | Ant 1 | DSI 4                 | 27710  | 2310 | Close | 20.76 | 22.00 | 1.330 | - | - | 0.01  | 0.102 | 0.136 |
|         | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 2 | DSI 5                 | 27710  | 2310 | Close | 21.44 | 22.30 | 1.219 | - | - | -0.08 | 0.097 | 0.118 |
|         | LTE Band 30     | 10M | QPSK | 25  | 0  | -             | Front | 5mm  | Ant 2 | DSI 5                 | 27710  | 2310 | Close | 21.36 | 22.30 | 1.242 | - | - | 0.05  | 0.080 | 0.099 |
|         | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 2 | DSI 5                 | 27710  | 2310 | Close | 21.44 | 22.30 | 1.219 | - | - | -0.15 | 0.512 | 0.624 |
|         | LTE Band 30     | 10M | QPSK | 25  | 0  | -             | Back  | 5mm  | Ant 2 | DSI 5                 | 27710  | 2310 | Close | 21.36 | 22.30 | 1.242 | - | - | 0.16  | 0.390 | 0.484 |
|         | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Front | 14mm | Ant 2 | DSI 4                 | 27710  | 2310 | Close | 21.44 | 23.00 | 1.432 | - | - | 0.03  | 0.425 | 0.609 |
|         | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Back  | 15mm | Ant 2 | DSI 4                 | 27710  | 2310 | Close | 21.44 | 23.00 | 1.432 | - | - | 0.01  | 0.421 | 0.603 |
|         | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | DSI 5                 | 27710  | 2310 | Close | 21.95 | 22.80 | 1.216 | - | - | -0.09 | 0.755 | 0.918 |
|         | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | DSI 5<br>Simultaneous | 27710  | 2310 | Close | 20.87 | 22.00 | 1.297 | - | - | 0.04  | 0.596 | 0.773 |
|         | LTE Band 30     | 10M | QPSK | 25  | 0  | -             | Front | 5mm  | Ant 3 | DSI 5                 | 27710  | 2310 | Close | 21.88 | 22.80 | 1.236 | - | - | -0.14 | 0.637 | 0.787 |
|         | LTE Band 30     | 10M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 3 | DSI 5                 | 27710  | 2310 | Close | 21.90 | 22.80 | 1.230 | - | - | 0.01  | 0.629 | 0.774 |
|         | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 3 | DSI 5                 | 27710  | 2310 | Close | 21.95 | 22.80 | 1.216 | - | - | -0.16 | 0.323 | 0.393 |
|         | LTE Band 30     | 10M | QPSK | 25  | 0  | -             | Back  | 5mm  | Ant 3 | DSI 5                 | 27710  | 2310 | Close | 21.88 | 22.80 | 1.236 | - | - | 0.04  | 0.267 | 0.330 |
|         | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Front | 14mm | Ant 3 | DSI 4                 | 27710  | 2310 | Close | 22.58 | 24.00 | 1.387 | - | - | 0.03  | 0.251 | 0.348 |
|         | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Back  | 15mm | Ant 3 | DSI 4                 | 27710  | 2310 | Close | 22.58 | 24.00 | 1.387 | - | - | 0.01  | 0.211 | 0.293 |
|         | FR1 n30         | 10M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 0 | DSI 5                 | 462000 | 2310 | Close | 20.75 | 21.80 | 1.274 | - | - | 0.02  | 0.049 | 0.062 |
|         | FR1 n30         | 10M | QPSK | 25  | 14 | DFT-SCS-15KHz | Front | 5mm  | Ant 0 | DSI 5                 | 462000 | 2310 | Close | 20.66 | 21.80 | 1.300 | - | - | 0.14  | 0.045 | 0.059 |
|         | FR1 n30         | 10M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5                 | 462000 | 2310 | Close | 20.75 | 21.80 | 1.274 | - | - | 0.03  | 0.717 | 0.913 |
|         | FR1 n30         | 10M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5<br>Simultaneous | 462000 | 2310 | Close | 19.83 | 21.00 | 1.309 | - | - | 0.01  | 0.609 | 0.797 |



# FCC SAR Test Report

Report No. : FA340401-01

|         |                        |     |      |     |    |               |       |      |       |                       |                 |                 |       |       |       |       |   |   |       |       |       |
|---------|------------------------|-----|------|-----|----|---------------|-------|------|-------|-----------------------|-----------------|-----------------|-------|-------|-------|-------|---|---|-------|-------|-------|
|         | FR1 n30                | 10M | QPSK | 25  | 14 | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5                 | 462000          | 2310            | Close | 20.66 | 21.80 | 1.300 | - | - | -0.18 | 0.681 | 0.885 |
|         | FR1 n30                | 10M | QPSK | 50  | 0  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5                 | 462000          | 2310            | Close | 20.13 | 21.00 | 1.222 | - | - | 0.06  | 0.712 | 0.870 |
|         | FR1 n30                | 10M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 14mm | Ant 0 | DSI 4                 | 462000          | 2310            | Close | 21.17 | 22.00 | 1.211 | - | - | 0.01  | 0.201 | 0.243 |
|         | FR1 n30                | 10M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 15mm | Ant 0 | DSI 4                 | 462000          | 2310            | Close | 21.17 | 22.00 | 1.211 | - | - | -0.06 | 0.156 | 0.189 |
|         | FR1 n30                | 10M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5                 | 462000          | 2310            | Close | 17.80 | 19.40 | 1.445 | - | - | 0.18  | 0.643 | 0.929 |
|         | FR1 n30                | 10M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5<br>Simultaneous | 462000          | 2310            | Close | 16.95 | 18.60 | 1.462 | - | - | 0.18  | 0.523 | 0.765 |
|         | FR1 n30                | 10M | QPSK | 25  | 14 | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5                 | 462000          | 2310            | Close | 17.69 | 19.40 | 1.483 | - | - | -0.14 | 0.518 | 0.768 |
|         | FR1 n30                | 10M | QPSK | 50  | 0  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5                 | 462000          | 2310            | Close | 17.57 | 19.40 | 1.524 | - | - | 0.1   | 0.503 | 0.767 |
|         | FR1 n30                | 10M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 1 | DSI 5                 | 462000          | 2310            | Close | 17.80 | 19.40 | 1.445 | - | - | 0.1   | 0.070 | 0.101 |
|         | FR1 n30                | 10M | QPSK | 25  | 14 | DFT-SCS-15KHz | Back  | 5mm  | Ant 1 | DSI 5                 | 462000          | 2310            | Close | 17.69 | 19.40 | 1.483 | - | - | 0.02  | 0.049 | 0.073 |
|         | FR1 n30                | 10M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 14mm | Ant 1 | DSI 4                 | 462000          | 2310            | Close | 20.70 | 22.00 | 1.349 | - | - | 0.01  | 0.126 | 0.170 |
|         | FR1 n30                | 10M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 15mm | Ant 1 | DSI 4                 | 462000          | 2310            | Close | 20.70 | 22.00 | 1.349 | - | - | 0.06  | 0.095 | 0.128 |
|         | FR1 n30                | 10M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 2 | DSI 5                 | 462000          | 2310            | Close | 21.91 | 23.00 | 1.285 | - | - | -0.19 | 0.087 | 0.112 |
|         | FR1 n30                | 10M | QPSK | 25  | 14 | DFT-SCS-15KHz | Front | 5mm  | Ant 2 | DSI 5                 | 462000          | 2310            | Close | 21.86 | 23.00 | 1.300 | - | - | -0.05 | 0.091 | 0.118 |
|         | FR1 n30                | 10M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 2 | DSI 5                 | 462000          | 2310            | Close | 21.91 | 23.00 | 1.285 | - | - | 0.07  | 0.485 | 0.623 |
|         | FR1 n30                | 10M | QPSK | 25  | 14 | DFT-SCS-15KHz | Back  | 5mm  | Ant 2 | DSI 5                 | 462000          | 2310            | Close | 21.86 | 23.00 | 1.300 | - | - | -0.05 | 0.496 | 0.645 |
|         | FR1 n30                | 10M | QPSK | 50  | 0  | DFT-SCS-15KHz | Back  | 5mm  | Ant 2 | DSI 5                 | 462000          | 2310            | Close | 20.89 | 22.00 | 1.291 | - | - | 0.02  | 0.457 | 0.590 |
|         | FR1 n30                | 10M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 3 | DSI 5                 | 462000          | 2310            | Close | 22.81 | 24.00 | 1.315 | - | - | -0.05 | 0.697 | 0.917 |
|         | FR1 n30                | 10M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 3 | DSI 5<br>Simultaneous | 462000          | 2310            | Close | 21.74 | 23.20 | 1.400 | - | - | 0.05  | 0.553 | 0.774 |
|         | FR1 n30                | 10M | QPSK | 25  | 14 | DFT-SCS-15KHz | Front | 5mm  | Ant 3 | DSI 5                 | 462000          | 2310            | Close | 22.58 | 24.00 | 1.387 | - | - | 0.03  | 0.403 | 0.559 |
|         | FR1 n30                | 10M | QPSK | 50  | 0  | DFT-SCS-15KHz | Front | 5mm  | Ant 3 | DSI 5                 | 462000          | 2310            | Close | 21.42 | 23.00 | 1.439 | - | - | -0.09 | 0.469 | 0.675 |
|         | FR1 n30                | 10M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 3 | DSI 5                 | 462000          | 2310            | Close | 22.81 | 24.00 | 1.315 | - | - | -0.11 | 0.275 | 0.362 |
|         | FR1 n30                | 10M | QPSK | 25  | 14 | DFT-SCS-15KHz | Back  | 5mm  | Ant 3 | DSI 5                 | 462000          | 2310            | Close | 22.58 | 24.00 | 1.387 | - | - | 0.06  | 0.182 | 0.252 |
|         | FR1 n30                | 10M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 14mm | Ant 3 | DSI 4                 | 462000          | 2310            | Close | 22.81 | 24.00 | 1.315 | - | - | 0.01  | 0.215 | 0.283 |
|         | FR1 n30                | 10M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 15mm | Ant 3 | DSI 4                 | 462000          | 2310            | Close | 22.81 | 24.00 | 1.315 | - | - | 0.06  | 0.195 | 0.256 |
| 2600MHz |                        |     |      |     |    |               |       |      |       |                       |                 |                 |       |       |       |       |   |   |       |       |       |
|         | LTE Band 7             | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 0 | DSI 5                 | 21100           | 2535            | Close | 15.97 | 16.80 | 1.211 | - | - | 0.05  | 0.059 | 0.071 |
|         | LTE Band 7             | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 0 | DSI 5                 | 21100           | 2535            | Close | 15.78 | 16.80 | 1.265 | - | - | 0.08  | 0.053 | 0.067 |
|         | LTE Band 7             | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | DSI 5                 | 21100           | 2535            | Close | 15.97 | 16.80 | 1.211 | - | - | 0.05  | 0.755 | 0.914 |
|         | LTE Band 7             | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | DSI 5<br>Simultaneous | 21100           | 2535            | Close | 14.86 | 16.00 | 1.300 | - | - | 0.04  | 0.591 | 0.768 |
|         | LTE Band 7C            | 20M | QPSK | 1   | 99 | -             | Back  | 5mm  | Ant 0 | DSI 5                 | 21100+<br>21298 | 2535+<br>2554.8 | Close | 15.84 | 16.80 | 1.247 | - | - | 0.03  | 0.701 | 0.874 |
|         | LTE Band 7             | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | DSI 5                 | 20850           | 2510            | Close | 15.67 | 16.80 | 1.297 | - | - | 0.01  | 0.698 | 0.905 |
|         | LTE Band 7             | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | DSI 5                 | 21350           | 2560            | Close | 15.76 | 16.80 | 1.271 | - | - | -0.03 | 0.566 | 0.719 |
|         | LTE Band 7             | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 0 | DSI 5                 | 21100           | 2535            | Close | 15.78 | 16.80 | 1.265 | - | - | 0.02  | 0.579 | 0.732 |
|         | LTE Band 7             | 20M | QPSK | 100 | 0  | -             | Back  | 5mm  | Ant 0 | DSI 5                 | 21100           | 2535            | Close | 15.73 | 16.80 | 1.279 | - | - | 0.09  | 0.560 | 0.716 |
|         | LTE Band 7<br>Other PA | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | DSI 5                 | 21100           | 2535            | Close | 16.77 | 16.80 | 1.007 | - | - | 0.01  | 0.595 | 0.599 |
|         | LTE Band 7             | 20M | QPSK | 1   | 0  | -             | Front | 14mm | Ant 0 | DSI 4                 | 21100           | 2535            | Close | 23.23 | 24.00 | 1.194 | - | - | 0.01  | 0.356 | 0.425 |
|         | LTE Band 7             | 20M | QPSK | 1   | 0  | -             | Back  | 15mm | Ant 0 | DSI 4                 | 21100           | 2535            | Close | 23.23 | 24.00 | 1.194 | - | - | 0.08  | 0.251 | 0.300 |
|         | LTE Band 7             | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 21350           | 2560            | Close | 16.20 | 16.90 | 1.175 | - | - | 0.01  | 0.767 | 0.901 |
|         | LTE Band 7             | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 1 | DSI 5<br>Simultaneous | 21350           | 2560            | Close | 15.12 | 16.10 | 1.253 | - | - | 0.07  | 0.526 | 0.659 |
|         | LTE Band 7C            | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 21350+<br>21152 | 2560+<br>2540.2 | Close | 16.01 | 16.90 | 1.227 | - | - | 0.03  | 0.701 | 0.860 |
|         | LTE Band 7             | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 20850           | 2510            | Close | 16.00 | 16.90 | 1.230 | - | - | -0.08 | 0.639 | 0.786 |
|         | LTE Band 7             | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 21100           | 2535            | Close | 16.12 | 16.90 | 1.197 | - | - | 0.08  | 0.691 | 0.827 |
|         | LTE Band 7             | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 21350           | 2560            | Close | 16.14 | 16.90 | 1.191 | - | - | -0.05 | 0.696 | 0.829 |
|         | LTE Band 7             | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 20850           | 2510            | Close | 16.06 | 16.90 | 1.213 | - | - | 0.02  | 0.578 | 0.701 |
|         | LTE Band 7             | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 21100           | 2535            | Close | 16.11 | 16.90 | 1.199 | - | - | 0.02  | 0.592 | 0.710 |
|         | LTE Band 7             | 20M | QPSK | 100 | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 21350           | 2560            | Close | 16.04 | 16.90 | 1.219 | - | - | 0.11  | 0.653 | 0.796 |
|         | LTE Band 7             | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 1 | DSI 5                 | 20850           | 2510            | Close | 16.00 | 16.90 | 1.230 | - | - | 0.07  | 0.380 | 0.468 |
|         | LTE Band 7             | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 1 | DSI 5                 | 21100           | 2535            | Close | 16.11 | 16.90 | 1.199 | - | - | -0.12 | 0.371 | 0.445 |
|         | LTE Band 7<br>Other PA | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 21350           | 2560            | Close | 16.20 | 16.90 | 1.175 | - | - | 0.06  | 0.661 | 0.777 |
|         | LTE Band 7             | 20M | QPSK | 1   | 0  | -             | Front | 14mm | Ant 1 | DSI 4                 | 21350           | 2560            | Close | 23.20 | 23.50 | 1.072 | - | - | 0.06  | 0.165 | 0.177 |
|         | LTE Band 7             | 20M | QPSK | 1   | 0  | -             | Back  | 15mm | Ant 1 | DSI 4                 | 21350           | 2560            | Close | 23.20 | 23.50 | 1.072 | - | - | -0.01 | 0.135 | 0.145 |
|         | LTE Band 7             | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 2 | DSI 5                 | 21100           | 2535            | Close | 19.80 | 20.80 | 1.259 | - | - | -0.15 | 0.124 | 0.156 |
|         | LTE Band 7             | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 2 | DSI 5                 | 21100           | 2535            | Close | 19.71 | 20.80 | 1.285 | - | - | 0.05  | 0.104 | 0.134 |



# FCC SAR Test Report

Report No. : FA340401-01

|  |                        |     |      |     |    |   |       |      |       |                       |                 |                   |       |       |       |       |      |       |       |       |       |
|--|------------------------|-----|------|-----|----|---|-------|------|-------|-----------------------|-----------------|-------------------|-------|-------|-------|-------|------|-------|-------|-------|-------|
|  | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Back  | 5mm  | Ant 2 | DSI 5                 | 21100           | 2535              | Close | 19.80 | 20.80 | 1.259 | -    | -     | -0.17 | 0.728 | 0.916 |
|  | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Back  | 5mm  | Ant 2 | DSI 5<br>Simultaneous | 21100           | 2535              | Close | 18.96 | 20.00 | 1.271 | -    | -     | 0.01  | 0.626 | 0.795 |
|  | LTE Band 7C            | 20M | QPSK | 1   | 99 | - | Back  | 5mm  | Ant 2 | DSI 5                 | 21100+<br>21298 | 2535+<br>2554.8   | Close | 19.64 | 20.80 | 1.306 | -    | -     | 0.02  | 0.647 | 0.845 |
|  | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Back  | 5mm  | Ant 2 | DSI 5                 | 20850           | 2510              | Close | 19.64 | 20.80 | 1.306 | -    | -     | 0.04  | 0.631 | 0.824 |
|  | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Back  | 5mm  | Ant 2 | DSI 5                 | 21350           | 2560              | Close | 19.60 | 20.80 | 1.318 | -    | -     | 0.11  | 0.577 | 0.761 |
|  | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Back  | 5mm  | Ant 2 | DSI 5                 | 21100           | 2535              | Close | 19.71 | 20.80 | 1.285 | -    | -     | 0.03  | 0.627 | 0.806 |
|  | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Back  | 5mm  | Ant 2 | DSI 5                 | 20850           | 2510              | Close | 19.47 | 20.80 | 1.358 | -    | -     | 0.17  | 0.553 | 0.751 |
|  | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Back  | 5mm  | Ant 2 | DSI 5                 | 21350           | 2560              | Close | 19.52 | 20.80 | 1.343 | -    | -     | -0.12 | 0.560 | 0.752 |
|  | LTE Band 7             | 20M | QPSK | 100 | 0  | - | Back  | 5mm  | Ant 2 | DSI 5                 | 21100           | 2535              | Close | 19.62 | 20.80 | 1.312 | -    | -     | 0.02  | 0.599 | 0.786 |
|  | LTE Band 7<br>Other PA | 20M | QPSK | 1   | 0  | - | Back  | 5mm  | Ant 2 | DSI 5                 | 21100           | 2535              | Close | 20.17 | 20.80 | 1.156 | -    | -     | 0.07  | 0.468 | 0.541 |
|  | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Front | 14mm | Ant 2 | DSI 4                 | 21100           | 2535              | Close | 21.92 | 23.00 | 1.282 | -    | -     | 0.05  | 0.135 | 0.173 |
|  | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Back  | 15mm | Ant 2 | DSI 4                 | 21100           | 2535              | Close | 21.92 | 23.00 | 1.282 | -    | -     | -0.06 | 0.154 | 0.197 |
|  | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Front | 5mm  | Ant 3 | DSI 5                 | 21100           | 2535              | Close | 19.75 | 20.70 | 1.245 | -    | -     | 0.03  | 0.743 | 0.925 |
|  | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Front | 5mm  | Ant 3 | DSI 5<br>Simultaneous | 21100           | 2535              | Close | 18.69 | 19.90 | 1.321 | -    | -     | 0.01  | 0.561 | 0.741 |
|  | LTE Band 7C            | 20M | QPSK | 1   | 99 | - | Front | 5mm  | Ant 3 | DSI 5                 | 21100+<br>21298 | 2535+<br>2554.8   | Close | 19.66 | 20.70 | 1.271 | -    | -     | 0.07  | 0.705 | 0.896 |
|  | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Front | 5mm  | Ant 3 | DSI 5                 | 20850           | 2510              | Close | 19.72 | 20.70 | 1.253 | -    | -     | -0.08 | 0.644 | 0.807 |
|  | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Front | 5mm  | Ant 3 | DSI 5                 | 21350           | 2560              | Close | 19.65 | 20.70 | 1.274 | -    | -     | 0.03  | 0.638 | 0.812 |
|  | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Front | 5mm  | Ant 3 | DSI 5                 | 21100           | 2535              | Close | 19.69 | 20.70 | 1.262 | -    | -     | 0.03  | 0.696 | 0.878 |
|  | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Front | 5mm  | Ant 3 | DSI 5                 | 20850           | 2510              | Close | 19.67 | 20.70 | 1.268 | -    | -     | 0.16  | 0.591 | 0.749 |
|  | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Front | 5mm  | Ant 3 | DSI 5                 | 21350           | 2560              | Close | 19.59 | 20.70 | 1.291 | -    | -     | 0.09  | 0.638 | 0.824 |
|  | LTE Band 7             | 20M | QPSK | 100 | 0  | - | Front | 5mm  | Ant 3 | DSI 5                 | 21100           | 2535              | Close | 19.62 | 20.70 | 1.282 | -    | -     | 0.07  | 0.673 | 0.863 |
|  | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Back  | 5mm  | Ant 3 | DSI 5                 | 21100           | 2535              | Close | 19.75 | 20.70 | 1.245 | -    | -     | 0.04  | 0.238 | 0.296 |
|  | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Back  | 5mm  | Ant 3 | DSI 5                 | 21100           | 2535              | Close | 19.69 | 20.70 | 1.262 | -    | -     | 0.02  | 0.232 | 0.293 |
|  | LTE Band 7<br>Other PA | 20M | QPSK | 1   | 0  | - | Front | 5mm  | Ant 3 | DSI 5                 | 21100           | 2535              | Close | 19.86 | 20.70 | 1.213 | -    | -     | -0.17 | 0.463 | 0.562 |
|  | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Front | 14mm | Ant 3 | DSI 4                 | 21100           | 2535              | Close | 22.94 | 24.00 | 1.276 | -    | -     | 0.05  | 0.195 | 0.249 |
|  | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Back  | 15mm | Ant 3 | DSI 4                 | 21100           | 2535              | Close | 22.94 | 24.00 | 1.276 | -    | -     | 0.04  | 0.203 | 0.259 |
|  | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Front | 5mm  | Ant 0 | DSI 5                 | 40620           | 2593              | Close | 19.55 | 20.60 | 1.274 | 62.9 | 1.006 | 0.07  | 0.066 | 0.085 |
|  | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Front | 5mm  | Ant 0 | DSI 5                 | 40620           | 2593              | Close | 19.43 | 20.60 | 1.309 | 62.9 | 1.006 | 0.08  | 0.066 | 0.087 |
|  | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Back  | 5mm  | Ant 0 | DSI 5                 | 40620           | 2593              | Close | 19.55 | 20.60 | 1.274 | 62.9 | 1.006 | 0.06  | 0.615 | 0.788 |
|  | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Back  | 5mm  | Ant 0 | DSI 5                 | 39750           | 2506              | Close | 19.29 | 20.60 | 1.352 | 62.9 | 1.006 | 0.07  | 0.374 | 0.509 |
|  | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Back  | 5mm  | Ant 0 | DSI 5                 | 40185           | 2549.5            | Close | 19.31 | 20.60 | 1.346 | 62.9 | 1.006 | -0.1  | 0.519 | 0.703 |
|  | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Back  | 5mm  | Ant 0 | DSI 5                 | 41055           | 2636.5            | Close | 19.50 | 20.60 | 1.288 | 62.9 | 1.006 | 0.08  | 0.724 | 0.938 |
|  | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Back  | 5mm  | Ant 0 | DSI 5<br>Simultaneous | 41055           | 2636.5            | Close | 18.47 | 19.80 | 1.358 | 62.9 | 1.006 | 0.02  | 0.493 | 0.674 |
|  | LTE Band 41C           | 20M | QPSK | 1   | 99 | - | Back  | 5mm  | Ant 0 | DSI 5                 | 41055+<br>41253 | 2636.5+<br>2656.3 | Close | 19.24 | 20.60 | 1.368 | 62.9 | 1.006 | 0.08  | 0.635 | 0.874 |
|  | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Back  | 5mm  | Ant 0 | DSI 5                 | 41490           | 2680              | Close | 19.16 | 20.60 | 1.393 | 62.9 | 1.006 | -0.05 | 0.621 | 0.870 |
|  | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Back  | 5mm  | Ant 0 | DSI 5                 | 40620           | 2593              | Close | 19.43 | 20.60 | 1.309 | 62.9 | 1.006 | -0.11 | 0.610 | 0.803 |
|  | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Back  | 5mm  | Ant 0 | DSI 5                 | 39750           | 2506              | Close | 19.25 | 20.60 | 1.365 | 62.9 | 1.006 | 0.08  | 0.329 | 0.452 |
|  | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Back  | 5mm  | Ant 0 | DSI 5                 | 40185           | 2549.5            | Close | 19.33 | 20.60 | 1.340 | 62.9 | 1.006 | -0.12 | 0.537 | 0.724 |
|  | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Back  | 5mm  | Ant 0 | DSI 5                 | 41055           | 2636.5            | Close | 19.36 | 20.60 | 1.330 | 62.9 | 1.006 | 0.05  | 0.656 | 0.878 |
|  | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Back  | 5mm  | Ant 0 | DSI 5                 | 41490           | 2680              | Close | 19.10 | 20.60 | 1.413 | 62.9 | 1.006 | 0.16  | 0.603 | 0.857 |
|  | LTE Band 41            | 20M | QPSK | 100 | 0  | - | Back  | 5mm  | Ant 0 | DSI 5                 | 40620           | 2593              | Close | 19.37 | 20.60 | 1.327 | 62.9 | 1.006 | 0.03  | 0.633 | 0.845 |
|  | LTE Band 41_<br>HPUE   | 20M | QPSK | 1   | 0  | - | Back  | 5mm  | Ant 0 | DSI 5                 | 41055           | 2636.5            | Close | 21.00 | 22.20 | 1.318 | 42.9 | 1.009 | 0.19  | 0.657 | 0.874 |
|  | LTE Band 41_<br>HPUE   | 20M | QPSK | 1   | 0  | - | Back  | 5mm  | Ant 0 | DSI 5<br>Simultaneous | 41055           | 2636.5            | Close | 20.04 | 21.40 | 1.368 | 42.9 | 1.009 | 0.05  | 0.551 | 0.760 |
|  | LTE Band 41C_<br>HPUE  | 20M | QPSK | 1   | 99 | - | Back  | 5mm  | Ant 0 | DSI 5                 | 41055+<br>41253 | 2636.5+<br>2656.3 | Close | 20.68 | 22.20 | 1.419 | 42.9 | 1.009 | 0.03  | 0.598 | 0.856 |
|  | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Front | 14mm | Ant 0 | DSI 4                 | 40620           | 2593              | Close | 23.36 | 24.00 | 1.159 | 62.9 | 1.006 | 0.01  | 0.15  | 0.175 |
|  | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Front | 14mm | Ant 0 | DSI 4                 | 40620           | 2593              | Close | 23.32 | 24.00 | 1.169 | 62.9 | 1.006 | -0.06 | 0.156 | 0.184 |
|  | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Back  | 15mm | Ant 0 | DSI 4                 | 40620           | 2593              | Close | 23.36 | 24.00 | 1.159 | 62.9 | 1.006 | 0.01  | 0.201 | 0.234 |
|  | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Front | 5mm  | Ant 1 | DSI 5                 | 40620           | 2593              | Close | 19.05 | 20.40 | 1.365 | 62.9 | 1.006 | 0.06  | 0.684 | 0.939 |
|  | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Front | 5mm  | Ant 1 | DSI 5<br>Simultaneous | 40620           | 2593              | Close | 18.17 | 19.60 | 1.390 | 62.9 | 1.006 | 0.09  | 0.571 | 0.798 |
|  | LTE Band 41C           | 20M | QPSK | 1   | 99 | - | Front | 5mm  | Ant 1 | DSI 5                 | 40620+<br>40818 | 2593+<br>2612.8   | Close | 19.01 | 20.40 | 1.377 | 62.9 | 1.006 | 0.01  | 0.634 | 0.878 |
|  | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Front | 5mm  | Ant 1 | DSI 5                 | 39750           | 2506              | Close | 18.88 | 20.40 | 1.419 | 62.9 | 1.006 | 0.02  | 0.559 | 0.798 |
|  | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Front | 5mm  | Ant 1 | DSI 5                 | 40185           | 2549.5            | Close | 19.02 | 20.40 | 1.374 | 62.9 | 1.006 | -0.14 | 0.472 | 0.652 |
|  | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Front | 5mm  | Ant 1 | DSI 5                 | 41055           | 2636.5            | Close | 18.86 | 20.40 | 1.426 | 62.9 | 1.006 | 0.04  | 0.567 | 0.813 |



# FCC SAR Test Report

Report No. : FA340401-01

|  |                    |     |      |     |   |   |       |      |       |                    |              |              |       |       |       |       |      |       |       |       |       |
|--|--------------------|-----|------|-----|---|---|-------|------|-------|--------------------|--------------|--------------|-------|-------|-------|-------|------|-------|-------|-------|-------|
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Front | 5mm  | Ant 1 | DSI 5              | 41490        | 2680         | Close | 18.80 | 20.40 | 1.445 | 62.9 | 1.006 | 0.11  | 0.578 | 0.840 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Front | 5mm  | Ant 1 | DSI 5              | 40620        | 2593         | Close | 18.95 | 20.40 | 1.396 | 62.9 | 1.006 | 0.14  | 0.632 | 0.888 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Front | 5mm  | Ant 1 | DSI 5              | 39750        | 2506         | Close | 18.84 | 20.40 | 1.432 | 62.9 | 1.006 | -0.03 | 0.552 | 0.795 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Front | 5mm  | Ant 1 | DSI 5              | 40185        | 2549.5       | Close | 18.97 | 20.40 | 1.390 | 62.9 | 1.006 | 0.07  | 0.495 | 0.692 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Front | 5mm  | Ant 1 | DSI 5              | 41055        | 2636.5       | Close | 18.83 | 20.40 | 1.435 | 62.9 | 1.006 | 0.01  | 0.582 | 0.840 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Front | 5mm  | Ant 1 | DSI 5              | 41490        | 2680         | Close | 18.73 | 20.40 | 1.469 | 62.9 | 1.006 | -0.15 | 0.540 | 0.798 |
|  | LTE Band 41        | 20M | QPSK | 100 | 0 | - | Front | 5mm  | Ant 1 | DSI 5              | 40620        | 2593         | Close | 18.89 | 20.40 | 1.416 | 62.9 | 1.006 | -0.09 | 0.615 | 0.876 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Back  | 5mm  | Ant 1 | DSI 5              | 40620        | 2593         | Close | 19.05 | 20.40 | 1.365 | 62.9 | 1.006 | 0.05  | 0.503 | 0.691 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Back  | 5mm  | Ant 1 | DSI 5              | 39750        | 2506         | Close | 18.88 | 20.40 | 1.419 | 62.9 | 1.006 | 0.14  | 0.465 | 0.664 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Back  | 5mm  | Ant 1 | DSI 5              | 40185        | 2549.5       | Close | 19.02 | 20.40 | 1.374 | 62.9 | 1.006 | 0.18  | 0.351 | 0.485 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Back  | 5mm  | Ant 1 | DSI 5              | 41055        | 2636.5       | Close | 18.86 | 20.40 | 1.426 | 62.9 | 1.006 | 0.16  | 0.346 | 0.496 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Back  | 5mm  | Ant 1 | DSI 5              | 41490        | 2680         | Close | 18.80 | 20.40 | 1.445 | 62.9 | 1.006 | -0.02 | 0.341 | 0.496 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Back  | 5mm  | Ant 1 | DSI 5              | 40620        | 2593         | Close | 18.95 | 20.40 | 1.396 | 62.9 | 1.006 | -0.13 | 0.437 | 0.614 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Back  | 5mm  | Ant 1 | DSI 5              | 39750        | 2506         | Close | 18.84 | 20.40 | 1.432 | 62.9 | 1.006 | 0.07  | 0.465 | 0.670 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Back  | 5mm  | Ant 1 | DSI 5              | 40185        | 2549.5       | Close | 18.97 | 20.40 | 1.390 | 62.9 | 1.006 | 0.13  | 0.346 | 0.484 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Back  | 5mm  | Ant 1 | DSI 5              | 41055        | 2636.5       | Close | 18.83 | 20.40 | 1.435 | 62.9 | 1.006 | 0.06  | 0.345 | 0.498 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Back  | 5mm  | Ant 1 | DSI 5              | 41490        | 2680         | Close | 18.73 | 20.40 | 1.469 | 62.9 | 1.006 | -0.15 | 0.338 | 0.499 |
|  | LTE Band 41        | 20M | QPSK | 100 | 0 | - | Back  | 5mm  | Ant 1 | DSI 5              | 40620        | 2593         | Close | 18.89 | 20.40 | 1.416 | 62.9 | 1.006 | -0.12 | 0.314 | 0.447 |
|  | LTE Band 41_ HPUE  | 20M | QPSK | 1   | 0 | - | Front | 5mm  | Ant 1 | DSI 5              | 40620        | 2593         | Close | 20.77 | 22.00 | 1.327 | 42.9 | 1.009 | 0.06  | 0.671 | 0.899 |
|  | LTE Band 41_ HPUE  | 20M | QPSK | 1   | 0 | - | Front | 5mm  | Ant 1 | DSI 5 Simultaneous | 40620        | 2593         | Close | 19.65 | 21.20 | 1.429 | 42.9 | 1.009 | 0.05  | 0.496 | 0.715 |
|  | LTE Band 41C_ HPUE | 20M | QPSK | 1   | 0 | - | Front | 5mm  | Ant 1 | DSI 5              | 40620+ 40818 | 2593+ 2612.8 | Close | 20.66 | 22.00 | 1.361 | 42.9 | 1.009 | 0.09  | 0.625 | 0.859 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Front | 14mm | Ant 1 | DSI 4              | 40620        | 2593         | Close | 23.12 | 24.00 | 1.225 | 62.9 | 1.006 | 0.03  | 0.132 | 0.163 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Back  | 15mm | Ant 1 | DSI 4              | 40620        | 2593         | Close | 23.12 | 24.00 | 1.225 | 62.9 | 1.006 | -0.05 | 0.135 | 0.166 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Back  | 15mm | Ant 1 | DSI 4              | 40620        | 2593         | Close | 23.08 | 24.00 | 1.236 | 62.9 | 1.006 | -0.06 | 0.102 | 0.127 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Front | 5mm  | Ant 2 | DSI 5              | 40620        | 2593         | Close | 20.81 | 21.30 | 1.119 | 62.9 | 1.006 | -0.15 | 0.077 | 0.087 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Front | 5mm  | Ant 2 | DSI 5              | 40620        | 2593         | Close | 20.79 | 21.30 | 1.125 | 62.9 | 1.006 | 0.04  | 0.076 | 0.086 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Back  | 5mm  | Ant 2 | DSI 5              | 40620        | 2593         | Close | 20.81 | 21.30 | 1.119 | 62.9 | 1.006 | -0.12 | 0.535 | 0.602 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Back  | 5mm  | Ant 2 | DSI 5              | 39750        | 2506         | Close | 20.65 | 21.30 | 1.161 | 62.9 | 1.006 | 0.06  | 0.476 | 0.556 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Back  | 5mm  | Ant 2 | DSI 5              | 40185        | 2549.5       | Close | 20.68 | 21.30 | 1.153 | 62.9 | 1.006 | 0.06  | 0.498 | 0.578 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Back  | 5mm  | Ant 2 | DSI 5              | 41055        | 2636.5       | Close | 20.74 | 21.30 | 1.138 | 62.9 | 1.006 | 0.03  | 0.629 | 0.720 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Back  | 5mm  | Ant 2 | DSI 5              | 41490        | 2680         | Close | 20.58 | 21.30 | 1.180 | 62.9 | 1.006 | -0.02 | 0.761 | 0.904 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Back  | 5mm  | Ant 2 | DSI 5 Simultaneous | 41490        | 2680         | Close | 19.51 | 20.50 | 1.256 | 62.9 | 1.006 | 0.06  | 0.617 | 0.780 |
|  | LTE Band 41C       | 20M | QPSK | 1   | 0 | - | Back  | 5mm  | Ant 2 | DSI 5              | 41490+ 41292 | 2680+ 2660.2 | Close | 20.51 | 21.30 | 1.199 | 62.9 | 1.006 | 0.05  | 0.674 | 0.813 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Back  | 5mm  | Ant 2 | DSI 5              | 40620        | 2593         | Close | 20.79 | 21.30 | 1.125 | 62.9 | 1.006 | 0.04  | 0.537 | 0.608 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Back  | 5mm  | Ant 2 | DSI 5              | 39750        | 2506         | Close | 20.61 | 21.30 | 1.172 | 62.9 | 1.006 | -0.12 | 0.517 | 0.610 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Back  | 5mm  | Ant 2 | DSI 5              | 40185        | 2549.5       | Close | 20.68 | 21.30 | 1.153 | 62.9 | 1.006 | 0.03  | 0.507 | 0.588 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Back  | 5mm  | Ant 2 | DSI 5              | 41055        | 2636.5       | Close | 20.62 | 21.30 | 1.169 | 62.9 | 1.006 | 0.13  | 0.644 | 0.758 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Back  | 5mm  | Ant 2 | DSI 5              | 41490        | 2680         | Close | 20.63 | 21.30 | 1.167 | 62.9 | 1.006 | -0.13 | 0.737 | 0.865 |
|  | LTE Band 41        | 20M | QPSK | 100 | 0 | - | Back  | 5mm  | Ant 2 | DSI 5              | 40620        | 2593         | Close | 20.71 | 21.30 | 1.146 | 62.9 | 1.006 | 0.06  | 0.541 | 0.623 |
|  | LTE Band 41_ HPUE  | 20M | QPSK | 1   | 0 | - | Back  | 5mm  | Ant 2 | DSI 5              | 41490        | 2680         | Close | 22.21 | 22.90 | 1.172 | 42.9 | 1.009 | 0.04  | 0.755 | 0.893 |
|  | LTE Band 41_ HPUE  | 20M | QPSK | 1   | 0 | - | Back  | 5mm  | Ant 2 | DSI 5 Simultaneous | 41490        | 2680         | Close | 21.07 | 22.10 | 1.268 | 42.9 | 1.009 | 0.01  | 0.560 | 0.716 |
|  | LTE Band 41C_ HPUE | 20M | QPSK | 1   | 0 | - | Back  | 5mm  | Ant 2 | DSI 5              | 41490+ 41292 | 2680+ 2660.2 | Close | 22.15 | 22.90 | 1.189 | 42.9 | 1.009 | 0.03  | 0.712 | 0.854 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Front | 14mm | Ant 2 | DSI 4              | 40620        | 2593         | Close | 21.76 | 23.00 | 1.330 | 62.9 | 1.006 | -0.08 | 0.062 | 0.083 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Back  | 15mm | Ant 2 | DSI 4              | 40620        | 2593         | Close | 21.76 | 23.00 | 1.330 | 62.9 | 1.006 | 0.04  | 0.081 | 0.108 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Front | 5mm  | Ant 3 | DSI 5              | 40620        | 2593         | Close | 21.76 | 22.80 | 1.271 | 62.9 | 1.006 | 0.03  | 0.536 | 0.685 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Front | 5mm  | Ant 3 | DSI 5              | 39750        | 2506         | Close | 21.63 | 22.80 | 1.309 | 62.9 | 1.006 | -0.17 | 0.635 | 0.836 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Front | 5mm  | Ant 3 | DSI 5              | 40185        | 2549.5       | Close | 21.67 | 22.80 | 1.297 | 62.9 | 1.006 | 0.07  | 0.554 | 0.723 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Front | 5mm  | Ant 3 | DSI 5              | 41055        | 2636.5       | Close | 21.53 | 22.80 | 1.340 | 62.9 | 1.006 | 0.02  | 0.517 | 0.697 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Front | 5mm  | Ant 3 | DSI 5              | 41490        | 2680         | Close | 21.64 | 22.80 | 1.306 | 62.9 | 1.006 | -0.09 | 0.708 | 0.930 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Front | 5mm  | Ant 3 | DSI 5 Simultaneous | 41490        | 2680         | Close | 20.73 | 22.00 | 1.340 | 62.9 | 1.006 | 0.03  | 0.591 | 0.796 |
|  | LTE Band 41C       | 20M | QPSK | 1   | 0 | - | Front | 5mm  | Ant 3 | DSI 5              | 41490+ 41292 | 2680+ 2660.2 | Close | 21.53 | 22.80 | 1.340 | 62.9 | 1.006 | 0.03  | 0.627 | 0.845 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Front | 5mm  | Ant 3 | DSI 5              | 40620        | 2593         | Close | 21.74 | 22.80 | 1.276 | 62.9 | 1.006 | 0.05  | 0.536 | 0.688 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Front | 5mm  | Ant 3 | DSI 5              | 39750        | 2506         | Close | 21.62 | 22.80 | 1.312 | 62.9 | 1.006 | -0.02 | 0.626 | 0.826 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Front | 5mm  | Ant 3 | DSI 5              | 40185        | 2549.5       | Close | 21.58 | 22.80 | 1.324 | 62.9 | 1.006 | -0.1  | 0.554 | 0.738 |



# FCC SAR Test Report

Report No. : FA340401-01

|  |                    |      |      |     |    |               |       |      |       |                    |              |              |       |       |       |       |      |       |       |       |       |
|--|--------------------|------|------|-----|----|---------------|-------|------|-------|--------------------|--------------|--------------|-------|-------|-------|-------|------|-------|-------|-------|-------|
|  | LTE Band 41        | 20M  | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 3 | DSI 5              | 41055        | 2636.5       | Close | 21.43 | 22.80 | 1.371 | 62.9 | 1.006 | -0.13 | 0.486 | 0.670 |
|  | LTE Band 41        | 20M  | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 3 | DSI 5              | 41490        | 2680         | Close | 21.57 | 22.80 | 1.327 | 62.9 | 1.006 | -0.05 | 0.685 | 0.915 |
|  | LTE Band 41        | 20M  | QPSK | 100 | 0  | -             | Front | 5mm  | Ant 3 | DSI 5              | 40620        | 2593         | Close | 21.67 | 22.80 | 1.297 | 62.9 | 1.006 | 0.02  | 0.536 | 0.699 |
|  | LTE Band 41        | 20M  | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 3 | DSI 5              | 40620        | 2593         | Close | 21.76 | 22.80 | 1.271 | 62.9 | 1.006 | 0.08  | 0.155 | 0.198 |
|  | LTE Band 41        | 20M  | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 3 | DSI 5              | 40620        | 2593         | Close | 21.74 | 22.80 | 1.276 | 62.9 | 1.006 | 0.16  | 0.157 | 0.202 |
|  | LTE Band 41_ HPUE  | 20M  | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | DSI 5              | 41490        | 2680         | Close | 23.22 | 24.40 | 1.312 | 42.9 | 1.009 | 0.01  | 0.695 | 0.920 |
|  | LTE Band 41_ HPUE  | 20M  | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | DSI 5 Simultaneous | 41490        | 2680         | Close | 22.18 | 23.60 | 1.387 | 42.9 | 1.009 | 0.09  | 0.495 | 0.693 |
|  | LTE Band 41C_ HPUE | 20M  | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | DSI 5              | 41490+ 41292 | 2680+ 2660.2 | Close | 23.04 | 24.40 | 1.368 | 42.9 | 1.009 | 0.04  | 0.611 | 0.843 |
|  | LTE Band 41        | 20M  | QPSK | 1   | 0  | -             | Front | 14mm | Ant 3 | DSI 4              | 40620        | 2593         | Close | 22.93 | 24.00 | 1.279 | 62.9 | 1.006 | 0.03  | 0.095 | 0.122 |
|  | LTE Band 41        | 20M  | QPSK | 1   | 0  | -             | Back  | 15mm | Ant 3 | DSI 4              | 40620        | 2593         | Close | 22.93 | 24.00 | 1.279 | 62.9 | 1.006 | 0.01  | 0.124 | 0.160 |
|  | LTE Band 41        | 20M  | QPSK | 50  | 0  | -             | Back  | 15mm | Ant 3 | DSI 4              | 40620        | 2593         | Close | 22.90 | 24.00 | 1.288 | 62.9 | 1.006 | -0.02 | 0.126 | 0.163 |
|  | FR1 n7             | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 0 | DSI 5              | 507000       | 2535         | Close | 16.38 | 17.30 | 1.236 | -    | -     | 0.06  | 0.063 | 0.078 |
|  | FR1 n7             | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Front | 5mm  | Ant 0 | DSI 5              | 507000       | 2535         | Close | 16.17 | 17.30 | 1.297 | -    | -     | 0.17  | 0.069 | 0.090 |
|  | FR1 n7             | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5              | 507000       | 2535         | Close | 16.38 | 17.30 | 1.236 | -    | -     | 0.13  | 0.624 | 0.771 |
|  | FR1 n7             | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5              | 507000       | 2535         | Close | 16.17 | 17.30 | 1.297 | -    | -     | 0.09  | 0.709 | 0.920 |
|  | FR1 n7             | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5 Simultaneous | 507000       | 2535         | Close | 15.67 | 16.50 | 1.211 | -    | -     | 0.05  | 0.555 | 0.672 |
|  | FR1 n7             | 40M  | QPSK | 216 | 0  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5              | 507000       | 2535         | Close | 16.10 | 17.30 | 1.318 | -    | -     | 0.05  | 0.694 | 0.915 |
|  | FR1 n7 Main PA     | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | DSI 5              | 507000       | 2535         | Close | 16.19 | 17.30 | 1.291 | -    | -     | 0.05  | 0.396 | 0.511 |
|  | FR1 n7             | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 14mm | Ant 0 | DSI 4              | 507000       | 2535         | Close | 24.33 | 25.00 | 1.167 | -    | -     | 0.06  | 0.249 | 0.291 |
|  | FR1 n7             | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Front | 14mm | Ant 0 | DSI 4              | 507000       | 2535         | Close | 24.11 | 25.00 | 1.227 | -    | -     | 0.1   | 0.255 | 0.313 |
|  | FR1 n7             | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 15mm | Ant 0 | DSI 4              | 507000       | 2535         | Close | 24.33 | 25.00 | 1.167 | -    | -     | -0.07 | 0.212 | 0.247 |
|  | FR1 n7             | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Back  | 15mm | Ant 0 | DSI 4              | 507000       | 2535         | Close | 24.11 | 25.00 | 1.227 | -    | -     | 0     | 0.223 | 0.274 |
|  | FR1 n7             | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5              | 507000       | 2535         | Close | 19.90 | 21.00 | 1.288 | -    | -     | -0.18 | 0.648 | 0.835 |
|  | FR1 n7             | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5              | 507000       | 2535         | Close | 19.68 | 21.00 | 1.355 | -    | -     | 0.09  | 0.672 | 0.911 |
|  | FR1 n7             | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5 Simultaneous | 507000       | 2535         | Close | 19.11 | 20.20 | 1.285 | -    | -     | 0.01  | 0.570 | 0.733 |
|  | FR1 n7             | 40M  | QPSK | 216 | 0  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5              | 507000       | 2535         | Close | 19.59 | 21.00 | 1.384 | -    | -     | 0.05  | 0.627 | 0.867 |
|  | FR1 n7             | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 1 | DSI 5              | 507000       | 2535         | Close | 19.90 | 21.00 | 1.288 | -    | -     | -0.15 | 0.551 | 0.710 |
|  | FR1 n7             | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Back  | 5mm  | Ant 1 | DSI 5              | 507000       | 2535         | Close | 19.68 | 21.00 | 1.355 | -    | -     | 0.02  | 0.453 | 0.614 |
|  | FR1 n7 Main PA     | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | DSI 5              | 507000       | 2535         | Close | 19.70 | 21.00 | 1.349 | -    | -     | -0.1  | 0.210 | 0.283 |
|  | FR1 n7             | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 14mm | Ant 1 | DSI 4              | 507000       | 2535         | Close | 23.88 | 24.00 | 1.028 | -    | -     | 0.03  | 0.195 | 0.200 |
|  | FR1 n7             | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Front | 14mm | Ant 1 | DSI 4              | 507000       | 2535         | Close | 23.64 | 24.00 | 1.086 | -    | -     | 0.01  | 0.201 | 0.218 |
|  | FR1 n7             | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 15mm | Ant 1 | DSI 4              | 507000       | 2535         | Close | 23.88 | 24.00 | 1.028 | -    | -     | 0.05  | 0.195 | 0.200 |
|  | FR1 n7             | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 2 | DSI 5              | 507000       | 2535         | Close | 20.01 | 21.30 | 1.346 | -    | -     | 0.03  | 0.144 | 0.194 |
|  | FR1 n7             | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Front | 5mm  | Ant 2 | DSI 5              | 507000       | 2535         | Close | 19.90 | 21.30 | 1.380 | -    | -     | -0.09 | 0.148 | 0.204 |
|  | FR1 n7             | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 2 | DSI 5              | 507000       | 2535         | Close | 20.01 | 21.30 | 1.346 | -    | -     | -0.09 | 0.683 | 0.919 |
|  | FR1 n7             | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 2 | DSI 5 Simultaneous | 507000       | 2535         | Close | 19.44 | 20.50 | 1.276 | -    | -     | -0.07 | 0.547 | 0.698 |
|  | FR1 n7             | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Back  | 5mm  | Ant 2 | DSI 5              | 507000       | 2535         | Close | 19.90 | 21.30 | 1.380 | -    | -     | -0.09 | 0.623 | 0.860 |
|  | FR1 n7             | 40M  | QPSK | 216 | 0  | DFT-SCS-15KHz | Back  | 5mm  | Ant 2 | DSI 5              | 507000       | 2535         | Close | 19.79 | 21.30 | 1.416 | -    | -     | -0.18 | 0.635 | 0.899 |
|  | FR1 n7 Main PA     | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 2 | DSI 5              | 507000       | 2535         | Close | 19.65 | 21.30 | 1.462 | -    | -     | -0.1  | 0.428 | 0.626 |
|  | FR1 n7             | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 14mm | Ant 2 | DSI 4              | 507000       | 2535         | Close | 22.97 | 24.00 | 1.268 | -    | -     | 0.03  | 0.135 | 0.171 |
|  | FR1 n7             | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Front | 14mm | Ant 2 | DSI 4              | 507000       | 2535         | Close | 22.89 | 24.00 | 1.291 | -    | -     | 0.01  | 0.145 | 0.187 |
|  | FR1 n7             | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 15mm | Ant 2 | DSI 4              | 507000       | 2535         | Close | 22.97 | 24.00 | 1.268 | -    | -     | -0.05 | 0.178 | 0.226 |
|  | FR1 n7             | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 3 | DSI 5              | 507000       | 2535         | Close | 20.37 | 21.70 | 1.358 | -    | -     | 0.14  | 0.685 | 0.930 |
|  | FR1 n7             | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 3 | DSI 5 Simultaneous | 507000       | 2535         | Close | 19.87 | 20.90 | 1.268 | -    | -     | 0.04  | 0.611 | 0.775 |
|  | FR1 n7             | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Front | 5mm  | Ant 3 | DSI 5              | 507000       | 2535         | Close | 20.20 | 21.70 | 1.413 | -    | -     | 0.08  | 0.639 | 0.903 |
|  | FR1 n7             | 40M  | QPSK | 216 | 0  | DFT-SCS-15KHz | Front | 5mm  | Ant 3 | DSI 5              | 507000       | 2535         | Close | 20.10 | 21.70 | 1.445 | -    | -     | -0.16 | 0.622 | 0.899 |
|  | FR1 n7             | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 3 | DSI 5              | 507000       | 2535         | Close | 20.37 | 21.70 | 1.358 | -    | -     | 0.07  | 0.221 | 0.300 |
|  | FR1 n7             | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Back  | 5mm  | Ant 3 | DSI 5              | 507000       | 2535         | Close | 20.20 | 21.70 | 1.413 | -    | -     | 0.02  | 0.237 | 0.335 |
|  | FR1 n7 Main PA     | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 3 | DSI 5              | 507000       | 2535         | Close | 20.38 | 21.70 | 1.355 | -    | -     | -0.04 | 0.412 | 0.558 |
|  | FR1 n7             | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 14mm | Ant 3 | DSI 4              | 507000       | 2535         | Close | 23.42 | 24.00 | 1.143 | -    | -     | 0.06  | 0.201 | 0.230 |
|  | FR1 n7             | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 15mm | Ant 3 | DSI 4              | 507000       | 2535         | Close | 23.42 | 24.00 | 1.143 | -    | -     | 0.01  | 0.235 | 0.269 |
|  | FR1 n7             | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Back  | 15mm | Ant 3 | DSI 4              | 507000       | 2535         | Close | 23.14 | 24.00 | 1.219 | -    | -     | -0.09 | 0.177 | 0.216 |
|  | FR1 n41            | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 0 | DSI 5              | 518598       | 2592.99      | Close | 17.05 | 17.70 | 1.161 | -    | -     | -0.14 | 0.082 | 0.095 |
|  | FR1 n41            | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 0 | DSI 5              | 518598       | 2592.99      | Close | 17.02 | 17.70 | 1.169 | -    | -     | 0.17  | 0.064 | 0.075 |



# FCC SAR Test Report

Report No. : FA340401-01

|         |                  |      |      |     |    |               |       |      |       |                       |                 |                 |       |       |       |       |      |       |       |       |       |
|---------|------------------|------|------|-----|----|---------------|-------|------|-------|-----------------------|-----------------|-----------------|-------|-------|-------|-------|------|-------|-------|-------|-------|
|         | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 0 | DSI 5                 | 518598          | 2592.99         | Close | 17.05 | 17.70 | 1.161 | -    | -     | -0.04 | 0.756 | 0.878 |
|         | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 0 | DSI 5                 | 518598          | 2592.99         | Close | 17.02 | 17.70 | 1.169 | -    | -     | 0.09  | 0.792 | 0.926 |
|         | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 0 | DSI 5<br>Simultaneous | 518598          | 2592.99         | Close | 16.00 | 16.90 | 1.230 | -    | -     | 0.05  | 0.550 | 0.677 |
|         | FR1 n41          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Back  | 5mm  | Ant 0 | DSI 5                 | 518598          | 2592.99         | Close | 16.89 | 17.70 | 1.205 | -    | -     | 0.04  | 0.754 | 0.909 |
|         | FR1 n41_HPUE     | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 0 | DSI 5                 | 518598          | 2592.99         | Close | 19.95 | 20.70 | 1.189 | 50   | 1.000 | 0.05  | 0.717 | 0.852 |
|         | FR1 n41 Main PA  | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 0 | DSI 5                 | 518598          | 2592.99         | Close | 17.00 | 17.70 | 1.175 | -    | -     | 0.08  | 0.712 | 0.837 |
|         | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 14mm | Ant 0 | DSI 4                 | 518598          | 2592.99         | Close | 23.03 | 24.00 | 1.250 | -    | -     | 0.06  | 0.402 | 0.503 |
|         | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 15mm | Ant 0 | DSI 4                 | 518598          | 2592.99         | Close | 23.03 | 24.00 | 1.250 | -    | -     | -0.08 | 0.423 | 0.529 |
|         | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 15mm | Ant 0 | DSI 4                 | 518598          | 2592.99         | Close | 22.94 | 24.00 | 1.276 | -    | -     | 0.1   | 0.489 | 0.624 |
|         | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | DSI 5                 | 518598          | 2592.99         | Close | 18.79 | 19.90 | 1.291 | -    | -     | -0.02 | 0.689 | 0.890 |
|         | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | DSI 5                 | 518598          | 2592.99         | Close | 18.74 | 19.90 | 1.306 | -    | -     | -0.07 | 0.697 | 0.910 |
|         | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | DSI 5<br>Simultaneous | 518598          | 2592.99         | Close | 18.21 | 19.10 | 1.227 | -    | -     | 0.08  | 0.481 | 0.590 |
|         | FR1 n41          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | DSI 5                 | 518598          | 2592.99         | Close | 18.52 | 19.90 | 1.374 | -    | -     | 0.12  | 0.591 | 0.812 |
|         | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | DSI 5                 | 518598          | 2592.99         | Close | 18.79 | 19.90 | 1.291 | -    | -     | 0.07  | 0.406 | 0.524 |
|         | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | DSI 5                 | 518598          | 2592.99         | Close | 18.74 | 19.90 | 1.306 | -    | -     | 0.06  | 0.364 | 0.475 |
|         | FR1 n41_HPUE     | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | DSI 5                 | 518598          | 2592.99         | Close | 21.60 | 22.90 | 1.349 | 50   | 1.000 | 0.03  | 0.663 | 0.894 |
|         | FR1 n41 Other PA | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | DSI 5                 | 518598          | 2592.99         | Close | 18.40 | 19.90 | 1.413 | -    | -     | 0.17  | 0.393 | 0.555 |
|         | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 14mm | Ant 1 | DSI 4                 | 518598          | 2592.99         | Close | 23.73 | 24.00 | 1.064 | -    | -     | 0.03  | 0.142 | 0.151 |
|         | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 14mm | Ant 1 | DSI 4                 | 518598          | 2592.99         | Close | 23.69 | 24.00 | 1.074 | -    | -     | 0.01  | 0.146 | 0.157 |
|         | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 15mm | Ant 1 | DSI 4                 | 518598          | 2592.99         | Close | 23.73 | 24.00 | 1.064 | -    | -     | -0.18 | 0.177 | 0.188 |
|         | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 15mm | Ant 1 | DSI 4                 | 518598          | 2592.99         | Close | 23.69 | 24.00 | 1.074 | -    | -     | 0.02  | 0.189 | 0.203 |
|         | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | DSI 5                 | 518598          | 2592.99         | Close | 19.14 | 20.30 | 1.306 | -    | -     | 0.17  | 0.172 | 0.225 |
|         | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | DSI 5                 | 518598          | 2592.99         | Close | 18.81 | 20.30 | 1.409 | -    | -     | 0.07  | 0.146 | 0.206 |
|         | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | DSI 5                 | 518598          | 2592.99         | Close | 19.14 | 20.30 | 1.306 | -    | -     | 0.03  | 0.701 | 0.916 |
|         | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | DSI 5<br>Simultaneous | 518598          | 2592.99         | Close | 18.59 | 19.50 | 1.233 | -    | -     | 0.01  | 0.576 | 0.710 |
|         | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | DSI 5                 | 518598          | 2592.99         | Close | 18.81 | 20.30 | 1.409 | -    | -     | 0.02  | 0.624 | 0.879 |
|         | FR1 n41          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | DSI 5                 | 518598          | 2592.99         | Close | 18.95 | 20.30 | 1.365 | -    | -     | 0.03  | 0.665 | 0.907 |
|         | FR1 n41_HPUE     | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | DSI 5                 | 518598          | 2592.99         | Close | 22.32 | 23.30 | 1.253 | 50   | 1.000 | -0.08 | 0.683 | 0.856 |
|         | FR1 n41 Other PA | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | DSI 5                 | 518598          | 2592.99         | Close | 19.00 | 20.30 | 1.349 | -    | -     | -0.08 | 0.675 | 0.911 |
|         | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 14mm | Ant 2 | DSI 4                 | 518598          | 2592.99         | Close | 23.22 | 24.00 | 1.197 | -    | -     | 0.08  | 0.028 | 0.034 |
|         | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 15mm | Ant 2 | DSI 4                 | 518598          | 2592.99         | Close | 23.22 | 24.00 | 1.197 | -    | -     | -0.03 | 0.121 | 0.145 |
|         | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | DSI 5                 | 518598          | 2592.99         | Close | 20.34 | 21.60 | 1.337 | -    | -     | -0.04 | 0.696 | 0.930 |
|         | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | DSI 5<br>Simultaneous | 518598          | 2592.99         | Close | 19.83 | 20.80 | 1.250 | -    | -     | 0.09  | 0.603 | 0.754 |
|         | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | DSI 5                 | 518598          | 2592.99         | Close | 20.18 | 21.60 | 1.387 | -    | -     | -0.18 | 0.612 | 0.849 |
|         | FR1 n41          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | DSI 5                 | 518598          | 2592.99         | Close | 19.88 | 21.60 | 1.486 | -    | -     | 0.03  | 0.621 | 0.923 |
|         | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 3 | DSI 5                 | 518598          | 2592.99         | Close | 20.34 | 21.60 | 1.337 | -    | -     | -0.14 | 0.146 | 0.195 |
|         | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 3 | DSI 5                 | 518598          | 2592.99         | Close | 20.18 | 21.60 | 1.387 | -    | -     | -0.17 | 0.115 | 0.159 |
|         | FR1 n41_HPUE     | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | DSI 5                 | 518598          | 2592.99         | Close | 23.40 | 24.60 | 1.318 | 50   | 1.000 | 0.07  | 0.656 | 0.865 |
|         | FR1 n41 Other PA | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | DSI 5                 | 518598          | 2592.99         | Close | 20.37 | 21.60 | 1.327 | -    | -     | 0.03  | 0.650 | 0.863 |
|         | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 14mm | Ant 3 | DSI 4                 | 518598          | 2592.99         | Close | 23.35 | 24.00 | 1.161 | -    | -     | 0.05  | 0.203 | 0.236 |
|         | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 15mm | Ant 3 | DSI 4                 | 518598          | 2592.99         | Close | 23.35 | 24.00 | 1.161 | -    | -     | 0.01  | 0.221 | 0.257 |
| 3500MHz |                  |      |      |     |    |               |       |      |       |                       |                 |                 |       |       |       |       |      |       |       |       |       |
|         | LTE Band 48      | 20M  | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 55830           | 3609            | Close | 19.20 | 20.00 | 1.202 | 62.9 | 1.006 | 0.05  | 0.623 | 0.754 |
|         | LTE Band 48C     | 20M  | QPSK | 1   | 99 | -             | Front | 5mm  | Ant 1 | DSI 5                 | 55830+<br>56028 | 3609+<br>3628.8 | Close | 13.80 | 15.00 | 1.318 | 62.9 | 1.006 | 0.01  | 0.165 | 0.219 |
|         | LTE Band 48      | 20M  | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 55340           | 3560            | Close | 19.02 | 20.00 | 1.253 | 62.9 | 1.006 | 0.01  | 0.587 | 0.740 |
|         | LTE Band 48      | 20M  | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 56150           | 3641            | Close | 19.04 | 20.00 | 1.247 | 62.9 | 1.006 | 0.06  | 0.549 | 0.689 |
|         | LTE Band 48      | 20M  | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 56640           | 3690            | Close | 19.06 | 20.00 | 1.242 | 62.9 | 1.006 | 0.02  | 0.512 | 0.640 |
|         | LTE Band 48      | 20M  | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 55830           | 3609            | Close | 19.08 | 20.00 | 1.236 | 62.9 | 1.006 | 0.12  | 0.564 | 0.701 |
|         | LTE Band 48      | 20M  | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 55340           | 3560            | Close | 18.93 | 20.00 | 1.279 | 62.9 | 1.006 | 0.01  | 0.536 | 0.690 |
|         | LTE Band 48      | 20M  | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 56150           | 3641            | Close | 19.07 | 20.00 | 1.239 | 62.9 | 1.006 | 0.07  | 0.516 | 0.643 |
|         | LTE Band 48      | 20M  | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 56640           | 3690            | Close | 18.94 | 20.00 | 1.276 | 62.9 | 1.006 | 0.03  | 0.525 | 0.674 |
|         | LTE Band 48      | 20M  | QPSK | 100 | 0  | -             | Front | 5mm  | Ant 1 | DSI 5                 | 55830           | 3609            | Close | 19.03 | 20.00 | 1.250 | 62.9 | 1.006 | -0.02 | 0.538 | 0.677 |
|         | LTE Band 48      | 20M  | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 1 | DSI 5                 | 55830           | 3609            | Close | 19.20 | 20.00 | 1.202 | 62.9 | 1.006 | 0.17  | 0.191 | 0.231 |
|         | LTE Band 48      | 20M  | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 1 | DSI 5                 | 55830           | 3609            | Close | 19.08 | 20.00 | 1.236 | 62.9 | 1.006 | 0.01  | 0.367 | 0.456 |
|         | LTE Band 48      | 20M  | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 2 | DSI 5                 | 55830           | 3609            | Close | 19.40 | 21.00 | 1.445 | 62.9 | 1.006 | 0.01  | 0.024 | 0.035 |



# FCC SAR Test Report

Report No. : FA340401-01

|     |              |     |      |     |    |               |       |      |       |                    |             |             |       |       |       |       |      |       |       |       |       |
|-----|--------------|-----|------|-----|----|---------------|-------|------|-------|--------------------|-------------|-------------|-------|-------|-------|-------|------|-------|-------|-------|-------|
|     | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 2 | DSI 5              | 55830       | 3609        | Close | 19.28 | 21.00 | 1.486 | 62.9 | 1.006 | 0.07  | 0.020 | 0.030 |
|     | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 2 | DSI 5              | 55830       | 3609        | Close | 19.40 | 21.00 | 1.445 | 62.9 | 1.006 | 0.03  | 0.198 | 0.288 |
|     | LTE Band 48C | 20M | QPSK | 1   | 99 | -             | Back  | 5mm  | Ant 2 | DSI 5              | 55830+56028 | 3609+3628.8 | Close | 14.26 | 15.00 | 1.186 | 62.9 | 1.006 | 0.08  | 0.061 | 0.073 |
|     | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 2 | DSI 5              | 55830       | 3609        | Close | 19.28 | 21.00 | 1.486 | 62.9 | 1.006 | 0.13  | 0.113 | 0.169 |
|     | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | DSI 5              | 55830       | 3609        | Close | 18.48 | 19.80 | 1.355 | 62.9 | 1.006 | -0.16 | 0.597 | 0.814 |
|     | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | DSI 5              | 55340       | 3560        | Close | 18.40 | 19.80 | 1.380 | 62.9 | 1.006 | -0.14 | 0.520 | 0.722 |
|     | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | DSI 5              | 56150       | 3641        | Close | 18.45 | 19.80 | 1.365 | 62.9 | 1.006 | 0.01  | 0.605 | 0.831 |
|     | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | DSI 5              | 56640       | 3690        | Close | 18.46 | 19.80 | 1.361 | 62.9 | 1.006 | 0.03  | 0.673 | 0.922 |
|     | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | DSI 5 Simultaneous | 56640       | 3690        | Close | 17.52 | 19.00 | 1.406 | 62.9 | 1.006 | 0.04  | 0.563 | 0.796 |
|     | LTE Band 48C | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 3 | DSI 5              | 56640+56442 | 3690+3670.2 | Close | 16.47 | 17.50 | 1.268 | 62.9 | 1.006 | -0.18 | 0.415 | 0.529 |
|     | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 3 | DSI 5              | 55830       | 3609        | Close | 18.43 | 19.80 | 1.371 | 62.9 | 1.006 | -0.06 | 0.524 | 0.723 |
|     | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 3 | DSI 5              | 55340       | 3560        | Close | 18.21 | 19.80 | 1.442 | 62.9 | 1.006 | 0.08  | 0.422 | 0.612 |
|     | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 3 | DSI 5              | 56150       | 3641        | Close | 18.39 | 19.80 | 1.384 | 62.9 | 1.006 | 0.02  | 0.522 | 0.727 |
|     | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 3 | DSI 5              | 56640       | 3690        | Close | 18.37 | 19.80 | 1.390 | 62.9 | 1.006 | 0.07  | 0.579 | 0.810 |
|     | LTE Band 48  | 20M | QPSK | 100 | 0  | -             | Front | 5mm  | Ant 3 | DSI 5              | 55830       | 3609        | Close | 18.37 | 19.80 | 1.390 | 62.9 | 1.006 | 0.08  | 0.531 | 0.742 |
|     | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 3 | DSI 5              | 55830       | 3609        | Close | 18.48 | 19.80 | 1.355 | 62.9 | 1.006 | -0.05 | 0.059 | 0.080 |
|     | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 3 | DSI 5              | 55830       | 3609        | Close | 18.43 | 19.80 | 1.371 | 62.9 | 1.006 | -0.04 | 0.052 | 0.072 |
|     | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Front | 14mm | Ant 3 | DSI 4              | 55830       | 3609        | Close | 21.90 | 23.00 | 1.288 | 62.9 | 1.006 | 0.02  | 0.133 | 0.172 |
|     | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Back  | 15mm | Ant 3 | DSI 4              | 55830       | 3609        | Close | 21.90 | 23.00 | 1.288 | 62.9 | 1.006 | 0.06  | 0.165 | 0.214 |
|     | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 5 | DSI 5              | 55830       | 3609        | Close | 20.23 | 21.30 | 1.279 | 62.9 | 1.006 | -0.17 | 0.690 | 0.888 |
| 101 | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 5 | DSI 5              | 55340       | 3560        | Close | 20.14 | 21.30 | 1.306 | 62.9 | 1.006 | -0.09 | 0.714 | 0.938 |
|     | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 5 | DSI 5 Simultaneous | 55340       | 3560        | Close | 19.11 | 20.50 | 1.377 | 62.9 | 1.006 | 0.1   | 0.571 | 0.791 |
|     | LTE Band 48C | 20M | QPSK | 1   | 99 | -             | Front | 5mm  | Ant 5 | DSI 5              | 55340+55538 | 3560+3579.8 | Close | 17.30 | 18.00 | 1.175 | 62.9 | 1.006 | 0.07  | 0.355 | 0.420 |
|     | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 5 | DSI 5              | 56150       | 3641        | Close | 20.10 | 21.30 | 1.318 | 62.9 | 1.006 | -0.05 | 0.598 | 0.793 |
|     | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 5 | DSI 5              | 56640       | 3690        | Close | 19.99 | 21.30 | 1.352 | 62.9 | 1.006 | -0.13 | 0.507 | 0.690 |
|     | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 5 | DSI 5              | 55830       | 3609        | Close | 20.19 | 21.30 | 1.291 | 62.9 | 1.006 | -0.02 | 0.579 | 0.752 |
|     | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 5 | DSI 5              | 55340       | 3560        | Close | 20.03 | 21.30 | 1.340 | 62.9 | 1.006 | 0.06  | 0.613 | 0.826 |
|     | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 5 | DSI 5              | 56150       | 3641        | Close | 20.07 | 21.30 | 1.327 | 62.9 | 1.006 | -0.03 | 0.526 | 0.702 |
|     | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 5 | DSI 5              | 56640       | 3690        | Close | 19.82 | 21.30 | 1.406 | 62.9 | 1.006 | 0.18  | 0.450 | 0.637 |
|     | LTE Band 48  | 20M | QPSK | 100 | 0  | -             | Front | 5mm  | Ant 5 | DSI 5              | 55830       | 3609        | Close | 20.11 | 21.30 | 1.315 | 62.9 | 1.006 | 0.02  | 0.584 | 0.773 |
|     | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 5 | DSI 5              | 55830       | 3609        | Close | 20.23 | 21.30 | 1.279 | 62.9 | 1.006 | 0.02  | 0.082 | 0.106 |
|     | LTE Band 48  | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 5 | DSI 5              | 55830       | 3609        | Close | 20.19 | 21.30 | 1.291 | 62.9 | 1.006 | 0.07  | 0.077 | 0.100 |
|     | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Front | 14mm | Ant 5 | DSI 4              | 55830       | 3609        | Close | 22.63 | 24.00 | 1.371 | 62.9 | 1.006 | 0.06  | 0.084 | 0.116 |
|     | LTE Band 48  | 20M | QPSK | 1   | 0  | -             | Back  | 15mm | Ant 5 | DSI 4              | 55830       | 3609        | Close | 22.63 | 24.00 | 1.371 | 62.9 | 1.006 | -0.05 | 0.03  | 0.041 |
|     | FR1 n48      | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | DSI 5              | 641666      | 3624.99     | Close | 21.79 | 23.40 | 1.449 | -    | -     | 0.09  | 0.631 | 0.914 |
|     | FR1 n48      | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | DSI 5 Simultaneous | 641666      | 3624.99     | Close | 21.11 | 22.60 | 1.409 | -    | -     | 0.02  | 0.541 | 0.762 |
|     | FR1 n48      | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | DSI 5              | 638000      | 3570        | Close | 21.47 | 23.40 | 1.560 | -    | -     | 0.01  | 0.579 | 0.903 |
|     | FR1 n48      | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | DSI 5              | 645332      | 3679.98     | Close | 21.46 | 23.40 | 1.563 | -    | -     | 0.02  | 0.584 | 0.913 |
|     | FR1 n48      | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | DSI 5              | 641666      | 3624.99     | Close | 21.42 | 23.40 | 1.578 | -    | -     | -0.03 | 0.494 | 0.779 |
|     | FR1 n48      | 40M | QPSK | 100 | 0  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | DSI 5              | 641666      | 3624.99     | Close | 21.43 | 23.40 | 1.574 | -    | -     | 0.02  | 0.452 | 0.711 |
|     | FR1 n48      | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | DSI 5              | 641666      | 3624.99     | Close | 21.79 | 23.40 | 1.449 | -    | -     | 0.1   | 0.097 | 0.141 |
|     | FR1 n48      | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | DSI 5              | 641666      | 3624.99     | Close | 21.42 | 23.40 | 1.578 | -    | -     | 0.05  | 0.093 | 0.147 |
|     | FR1 n48      | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 14mm | Ant 5 | DSI 4              | 641666      | 3624.99     | Close | 24.82 | 25.50 | 1.169 | -    | -     | 0.03  | 0.195 | 0.228 |
|     | FR1 n48      | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 15mm | Ant 5 | DSI 4              | 641666      | 3624.99     | Close | 24.82 | 25.50 | 1.169 | -    | -     | 0.05  | 0.202 | 0.236 |
|     | FR1 n48      | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Back  | 15mm | Ant 5 | DSI 4              | 641666      | 3624.99     | Close | 24.79 | 25.50 | 1.178 | -    | -     | 0.06  | 0.054 | 0.064 |
|     | FR1 n48      | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | DSI 5              | 641666      | 3624.99     | Close | 21.75 | 23.00 | 1.334 | -    | -     | 0.03  | 0.310 | 0.413 |
|     | FR1 n48      | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | DSI 5              | 641666      | 3624.99     | Close | 21.69 | 23.00 | 1.352 | -    | -     | -0.07 | 0.465 | 0.629 |
|     | FR1 n48      | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | DSI 5              | 641666      | 3624.99     | Close | 21.75 | 23.00 | 1.334 | -    | -     | 0.14  | 0.150 | 0.200 |
|     | FR1 n48      | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | DSI 5              | 641666      | 3624.99     | Close | 21.69 | 23.00 | 1.352 | -    | -     | -0.19 | 0.165 | 0.223 |
|     | FR1 n48      | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | DSI 5              | 641666      | 3624.99     | Close | 19.91 | 21.20 | 1.346 | -    | -     | 0.02  | 0.122 | 0.164 |
|     | FR1 n48      | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | DSI 5              | 641666      | 3624.99     | Close | 19.88 | 21.20 | 1.355 | -    | -     | 0.05  | 0.125 | 0.169 |
|     | FR1 n48      | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | DSI 5              | 641666      | 3624.99     | Close | 19.91 | 21.20 | 1.346 | -    | -     | 0.02  | 0.577 | 0.777 |
|     | FR1 n48      | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | DSI 5              | 641666      | 3624.99     | Close | 19.88 | 21.20 | 1.355 | -    | -     | 0.01  | 0.686 | 0.930 |
|     | FR1 n48      | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | DSI 5 Simultaneous | 641666      | 3624.99     | Close | 19.31 | 20.40 | 1.285 | -    | -     | 0.08  | 0.588 | 0.756 |
|     | FR1 n48      | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | DSI 5              | 638000      | 3570        | Close | 19.61 | 21.20 | 1.442 | -    | -     | 0.08  | 0.624 | 0.900 |



# FCC SAR Test Report

Report No. : FA340401-01

|  |                 |      |      |     |    |               |       |      |       |                       |        |         |       |       |       |       |    |       |       |       |       |
|--|-----------------|------|------|-----|----|---------------|-------|------|-------|-----------------------|--------|---------|-------|-------|-------|-------|----|-------|-------|-------|-------|
|  | FR1 n48         | 40M  | QPSK | 50  | 28 | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | DSI 5                 | 645332 | 3679.98 | Close | 19.57 | 21.20 | 1.455 | -  | -     | -0.02 | 0.611 | 0.889 |
|  | FR1 n48         | 40M  | QPSK | 100 | 0  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | DSI 5                 | 641666 | 3624.99 | Close | 19.56 | 21.20 | 1.459 | -  | -     | 0.05  | 0.456 | 0.665 |
|  | FR1 n48         | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 14mm | Ant 2 | DSI 4                 | 641666 | 3624.99 | Close | 22.40 | 24.00 | 1.445 | -  | -     | 0.03  | 0.121 | 0.175 |
|  | FR1 n48         | 40M  | QPSK | 50  | 28 | DFT-SCS-30KHz | Front | 14mm | Ant 2 | DSI 4                 | 641666 | 3624.99 | Close | 22.32 | 24.00 | 1.472 | -  | -     | 0.01  | 0.135 | 0.199 |
|  | FR1 n48         | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 15mm | Ant 2 | DSI 4                 | 641666 | 3624.99 | Close | 22.40 | 24.00 | 1.445 | -  | -     | 0.05  | 0.177 | 0.256 |
|  | FR1 n48         | 40M  | QPSK | 50  | 28 | DFT-SCS-30KHz | Back  | 15mm | Ant 2 | DSI 4                 | 641666 | 3624.99 | Close | 22.32 | 24.00 | 1.472 | -  | -     | 0.05  | 0.183 | 0.269 |
|  | FR1 n48         | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | DSI 5                 | 641666 | 3624.99 | Close | 16.84 | 17.80 | 1.247 | -  | -     | -0.02 | 0.737 | 0.919 |
|  | FR1 n48         | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | DSI 5<br>Simultaneous | 641666 | 3624.99 | Close | 16.30 | 17.00 | 1.175 | -  | -     | 0.05  | 0.651 | 0.765 |
|  | FR1 n48         | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | DSI 5                 | 638000 | 3570    | Close | 16.65 | 17.80 | 1.303 | -  | -     | 0.15  | 0.687 | 0.895 |
|  | FR1 n48         | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | DSI 5                 | 645332 | 3679.98 | Close | 16.65 | 17.80 | 1.303 | -  | -     | 0.04  | 0.695 | 0.906 |
|  | FR1 n48         | 40M  | QPSK | 50  | 28 | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | DSI 5                 | 641666 | 3624.99 | Close | 16.50 | 17.80 | 1.349 | -  | -     | 0.07  | 0.621 | 0.838 |
|  | FR1 n48         | 40M  | QPSK | 50  | 28 | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | DSI 5                 | 638000 | 3570    | Close | 16.51 | 17.80 | 1.346 | -  | -     | -0.05 | 0.602 | 0.810 |
|  | FR1 n48         | 40M  | QPSK | 50  | 28 | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | DSI 5                 | 645332 | 3679.98 | Close | 16.44 | 17.80 | 1.368 | -  | -     | 0.01  | 0.613 | 0.838 |
|  | FR1 n48         | 40M  | QPSK | 100 | 0  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | DSI 5                 | 641666 | 3624.99 | Close | 16.50 | 17.80 | 1.349 | -  | -     | -0.11 | 0.561 | 0.757 |
|  | FR1 n48         | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 3 | DSI 5                 | 641666 | 3624.99 | Close | 16.84 | 17.80 | 1.247 | -  | -     | 0.17  | 0.064 | 0.080 |
|  | FR1 n48         | 40M  | QPSK | 50  | 28 | DFT-SCS-30KHz | Back  | 5mm  | Ant 3 | DSI 5                 | 641666 | 3624.99 | Close | 16.50 | 17.80 | 1.349 | -  | -     | -0.16 | 0.071 | 0.096 |
|  | FR1 n48         | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 14mm | Ant 3 | DSI 4                 | 641666 | 3624.99 | Close | 23.91 | 24.50 | 1.146 | -  | -     | 0.08  | 0.046 | 0.053 |
|  | FR1 n48         | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 15mm | Ant 3 | DSI 4                 | 641666 | 3624.99 | Close | 23.91 | 24.50 | 1.146 | -  | -     | 0.01  | 0.074 | 0.085 |
|  | FR1 n48         | 40M  | QPSK | 50  | 28 | DFT-SCS-30KHz | Back  | 15mm | Ant 3 | DSI 4                 | 641666 | 3624.99 | Close | 23.78 | 24.50 | 1.180 | -  | -     | -0.06 | 0.081 | 0.096 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | DSI 5                 | 656000 | 3840    | Close | 23.11 | 24.50 | 1.377 | -  | -     | -0.1  | 0.385 | 0.530 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | DSI 5                 | 656000 | 3840    | Close | 22.94 | 24.50 | 1.432 | -  | -     | 0.05  | 0.409 | 0.586 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | DSI 5                 | 656000 | 3840    | Close | 23.11 | 24.50 | 1.377 | -  | -     | 0.08  | 0.381 | 0.525 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | DSI 5                 | 656000 | 3840    | Close | 22.94 | 24.50 | 1.432 | -  | -     | 0.05  | 0.421 | 0.603 |
|  | FR1 n77_HPUE    | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | DSI 5                 | 656000 | 3840    | Close | 25.67 | 27.50 | 1.524 | 50 | 1.000 | 0.05  | 0.379 | 0.578 |
|  | FR1 n77 Main PA | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | DSI 5                 | 656000 | 3840    | Close | 22.18 | 23.00 | 1.208 | -  | -     | 0     | 0.254 | 0.307 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | DSI 5                 | 633334 | 3500.01 | Close | 23.28 | 24.50 | 1.324 | -  | -     | -0.06 | 0.620 | 0.821 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | DSI 5                 | 633334 | 3500.01 | Close | 23.22 | 24.50 | 1.343 | -  | -     | -0.11 | 0.392 | 0.526 |
|  | FR1 n77         | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | DSI 5                 | 633334 | 3500.01 | Close | 23.21 | 24.50 | 1.346 | -  | -     | -0.18 | 0.396 | 0.533 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | DSI 5                 | 633334 | 3500.01 | Close | 23.28 | 24.50 | 1.324 | -  | -     | 0.05  | 0.143 | 0.189 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | DSI 5                 | 633334 | 3500.01 | Close | 23.22 | 24.50 | 1.343 | -  | -     | 0.06  | 0.105 | 0.141 |
|  | FR1 n77_HPUE    | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | DSI 5                 | 633334 | 3500.01 | Close | 26.28 | 27.50 | 1.324 | 50 | 1.000 | 0.03  | 0.594 | 0.787 |
|  | FR1 n77 Main PA | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | DSI 5                 | 633334 | 3500.01 | Close | 22.92 | 23.00 | 1.019 | -  | -     | 0.01  | 0.361 | 0.368 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | DSI 5                 | 656000 | 3840    | Close | 20.63 | 21.70 | 1.279 | -  | -     | 0.06  | 0.117 | 0.150 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | DSI 5                 | 656000 | 3840    | Close | 20.61 | 21.70 | 1.285 | -  | -     | 0.08  | 0.105 | 0.135 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | DSI 5                 | 656000 | 3840    | Close | 20.63 | 21.70 | 1.279 | -  | -     | 0.09  | 0.693 | 0.887 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | DSI 5                 | 656000 | 3840    | Close | 20.61 | 21.70 | 1.285 | -  | -     | -0.01 | 0.722 | 0.928 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | DSI 5<br>Simultaneous | 656000 | 3840    | Close | 20.04 | 20.90 | 1.219 | -  | -     | 0.06  | 0.652 | 0.795 |
|  | FR1 n77         | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | DSI 5                 | 656000 | 3840    | Close | 20.42 | 21.70 | 1.343 | -  | -     | -0.13 | 0.603 | 0.810 |
|  | FR1 n77_HPUE    | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | DSI 5                 | 656000 | 3840    | Close | 23.54 | 24.70 | 1.306 | 50 | 1.000 | 0.06  | 0.705 | 0.921 |
|  | FR1 n77 Main PA | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | DSI 5                 | 656000 | 3840    | Close | 20.51 | 21.70 | 1.315 | -  | -     | 0.05  | 0.536 | 0.705 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 14mm | Ant 2 | DSI 4                 | 656000 | 3840    | Close | 23.65 | 24.00 | 1.084 | -  | -     | 0.01  | 0.189 | 0.205 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 15mm | Ant 2 | DSI 4                 | 656000 | 3840    | Close | 23.65 | 24.00 | 1.084 | -  | -     | 0.09  | 0.088 | 0.095 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 15mm | Ant 2 | DSI 4                 | 656000 | 3840    | Close | 23.50 | 24.00 | 1.122 | -  | -     | 0.02  | 0.091 | 0.102 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | DSI 5                 | 633334 | 3500.01 | Close | 20.99 | 21.70 | 1.178 | -  | -     | 0.09  | 0.084 | 0.099 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | DSI 5                 | 633334 | 3500.01 | Close | 20.91 | 21.70 | 1.199 | -  | -     | 0.04  | 0.083 | 0.100 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | DSI 5                 | 633334 | 3500.01 | Close | 20.99 | 21.70 | 1.178 | -  | -     | -0.01 | 0.304 | 0.358 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | DSI 5                 | 633334 | 3500.01 | Close | 20.91 | 21.70 | 1.199 | -  | -     | -0.09 | 0.670 | 0.804 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | DSI 5<br>Simultaneous | 633334 | 3500.01 | Close | 20.36 | 20.90 | 1.132 | -  | -     | -0.19 | 0.469 | 0.531 |
|  | FR1 n77         | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | DSI 5                 | 633334 | 3500.01 | Close | 20.84 | 21.70 | 1.219 | -  | -     | 0.01  | 0.654 | 0.797 |
|  | FR1 n77_HPUE    | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | DSI 5                 | 633334 | 3500.01 | Close | 23.91 | 24.70 | 1.199 | 50 | 1.000 | 0.06  | 0.661 | 0.793 |
|  | FR1 n77 Main PA | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | DSI 5                 | 633334 | 3500.01 | Close | 20.27 | 21.70 | 1.390 | -  | -     | 0.06  | 0.310 | 0.431 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 14mm | Ant 2 | DSI 4                 | 633334 | 3500.01 | Close | 23.97 | 24.00 | 1.007 | -  | -     | 0.03  | 0.202 | 0.203 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 14mm | Ant 2 | DSI 4                 | 633334 | 3500.01 | Close | 23.92 | 24.00 | 1.019 | -  | -     | 0.02  | 0.213 | 0.217 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 15mm | Ant 2 | DSI 4                 | 633334 | 3500.01 | Close | 23.97 | 24.00 | 1.007 | -  | -     | 0.01  | 0.175 | 0.176 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 15mm | Ant 2 | DSI 4                 | 633334 | 3500.01 | Close | 23.92 | 24.00 | 1.019 | -  | -     | -0.01 | 0.199 | 0.203 |



# FCC SAR Test Report

Report No. : FA340401-01

|  |                  |      |      |     |    |               |       |      |       |                    |        |         |       |       |       |       |    |       |       |       |       |
|--|------------------|------|------|-----|----|---------------|-------|------|-------|--------------------|--------|---------|-------|-------|-------|-------|----|-------|-------|-------|-------|
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | DSI 5              | 656000 | 3840    | Close | 17.72 | 18.80 | 1.282 | -  | -     | 0.08  | 0.724 | 0.928 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | DSI 5 Simultaneous | 656000 | 3840    | Close | 17.29 | 18.00 | 1.178 | -  | -     | 0.01  | 0.657 | 0.774 |
|  | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | DSI 5              | 656000 | 3840    | Close | 17.60 | 18.80 | 1.318 | -  | -     | 0.07  | 0.488 | 0.643 |
|  | FR1 n77          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | DSI 5              | 656000 | 3840    | Close | 17.47 | 18.80 | 1.358 | -  | -     | 0.16  | 0.458 | 0.622 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 3 | DSI 5              | 656000 | 3840    | Close | 17.72 | 18.80 | 1.282 | -  | -     | 0.04  | 0.116 | 0.149 |
|  | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 3 | DSI 5              | 656000 | 3840    | Close | 17.60 | 18.80 | 1.318 | -  | -     | 0.03  | 0.092 | 0.121 |
|  | FR1 n77_HPUE     | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | DSI 5              | 656000 | 3840    | Close | 20.70 | 21.80 | 1.288 | 50 | 1.000 | 0.01  | 0.711 | 0.916 |
|  | FR1 n77 Other PA | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | DSI 5              | 656000 | 3840    | Close | 17.43 | 18.80 | 1.371 | -  | -     | 0.05  | 0.665 | 0.912 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 14mm | Ant 3 | DSI 4              | 656000 | 3840    | Close | 23.75 | 24.50 | 1.189 | -  | -     | 0.08  | 0.385 | 0.458 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 15mm | Ant 3 | DSI 4              | 656000 | 3840    | Close | 23.75 | 24.50 | 1.189 | -  | -     | -0.01 | 0.401 | 0.477 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | DSI 5              | 633334 | 3500.01 | Close | 17.88 | 18.80 | 1.236 | -  | -     | -0.08 | 0.525 | 0.649 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | DSI 5 Simultaneous | 633334 | 3500.01 | Close | 17.42 | 18.00 | 1.143 | -  | -     | 0.05  | 0.448 | 0.512 |
|  | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | DSI 5              | 633334 | 3500.01 | Close | 17.81 | 18.80 | 1.256 | -  | -     | -0.01 | 0.477 | 0.599 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 3 | DSI 5              | 633334 | 3500.01 | Close | 17.88 | 18.80 | 1.236 | -  | -     | 0.05  | 0.050 | 0.062 |
|  | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 3 | DSI 5              | 633334 | 3500.01 | Close | 17.81 | 18.80 | 1.256 | -  | -     | 0.04  | 0.055 | 0.069 |
|  | FR1 n77_HPUE     | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | DSI 5              | 633334 | 3500.01 | Close | 20.88 | 21.80 | 1.236 | 50 | 1.000 | -0.06 | 0.491 | 0.607 |
|  | FR1 n77 Other PA | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 3 | DSI 5              | 633334 | 3500.01 | Close | 17.85 | 18.80 | 1.245 | -  | -     | 0.01  | 0.488 | 0.607 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 14mm | Ant 3 | DSI 4              | 633334 | 3500.01 | Close | 23.92 | 24.50 | 1.143 | -  | -     | 0.07  | 0.355 | 0.406 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 15mm | Ant 3 | DSI 4              | 633334 | 3500.01 | Close | 23.92 | 24.50 | 1.143 | -  | -     | 0.05  | 0.389 | 0.445 |
|  | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 15mm | Ant 3 | DSI 4              | 633334 | 3500.01 | Close | 23.75 | 24.50 | 1.189 | -  | -     | 0.01  | 0.084 | 0.100 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | DSI 5              | 656000 | 3840    | Close | 19.89 | 21.00 | 1.291 | -  | -     | 0.06  | 0.408 | 0.527 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | DSI 5 Simultaneous | 656000 | 3840    | Close | 19.25 | 20.20 | 1.245 | -  | -     | 0.09  | 0.369 | 0.459 |
|  | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | DSI 5              | 656000 | 3840    | Close | 19.82 | 21.00 | 1.312 | -  | -     | -0.17 | 0.397 | 0.521 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | DSI 5              | 656000 | 3840    | Close | 19.89 | 21.00 | 1.291 | -  | -     | 0.03  | 0.076 | 0.098 |
|  | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | DSI 5              | 656000 | 3840    | Close | 19.82 | 21.00 | 1.312 | -  | -     | 0.04  | 0.078 | 0.102 |
|  | FR1 n77_HPUE     | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | DSI 5              | 656000 | 3840    | Close | 22.73 | 24.00 | 1.340 | 50 | 1.000 | 0.01  | 0.391 | 0.524 |
|  | FR1 n77 Other PA | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | DSI 5              | 656000 | 3840    | Close | 20.22 | 21.00 | 1.197 | -  | -     | 0.02  | 0.384 | 0.460 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 14mm | Ant 5 | DSI 4              | 656000 | 3840    | Close | 24.48 | 25.00 | 1.127 | -  | -     | 0.07  | 0.325 | 0.366 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 15mm | Ant 5 | DSI 4              | 656000 | 3840    | Close | 24.48 | 25.00 | 1.127 | -  | -     | -0.05 | 0.084 | 0.095 |
|  | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 15mm | Ant 5 | DSI 4              | 656000 | 3840    | Close | 24.45 | 25.00 | 1.135 | -  | -     | 0.01  | 0.091 | 0.103 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | DSI 5              | 633334 | 3500.01 | Close | 19.89 | 21.00 | 1.291 | -  | -     | -0.07 | 0.719 | 0.928 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | DSI 5 Simultaneous | 633334 | 3500.01 | Close | 19.32 | 20.20 | 1.225 | -  | -     | 0.04  | 0.618 | 0.757 |
|  | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | DSI 5              | 633334 | 3500.01 | Close | 19.71 | 21.00 | 1.346 | -  | -     | 0.05  | 0.674 | 0.907 |
|  | FR1 n77          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | DSI 5              | 633334 | 3500.01 | Close | 19.64 | 21.00 | 1.368 | -  | -     | -0.17 | 0.659 | 0.901 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | DSI 5              | 633334 | 3500.01 | Close | 19.89 | 21.00 | 1.291 | -  | -     | -0.18 | 0.078 | 0.101 |
|  | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | DSI 5              | 633334 | 3500.01 | Close | 19.71 | 21.00 | 1.346 | -  | -     | 0.1   | 0.074 | 0.100 |
|  | FR1 n77_HPUE     | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | DSI 5              | 633334 | 3500.01 | Close | 22.71 | 24.00 | 1.346 | 50 | 1.000 | 0.01  | 0.678 | 0.912 |
|  | FR1 n77 Other PA | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | DSI 5              | 633334 | 3500.01 | Close | 19.84 | 21.00 | 1.306 | -  | -     | -0.04 | 0.359 | 0.469 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 14mm | Ant 5 | DSI 4              | 633334 | 3500.01 | Close | 24.45 | 25.00 | 1.135 | -  | -     | 0.07  | 0.095 | 0.108 |
|  | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 15mm | Ant 5 | DSI 4              | 633334 | 3500.01 | Close | 24.45 | 25.00 | 1.135 | -  | -     | -0.08 | 0.074 | 0.084 |

| Plot No. | Band       | Mode          | Test Position | Gap (mm) | Antenna    | Power State          | Ch. | Freq. (MHz) | EUT Flip State | 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) |
|----------|------------|---------------|---------------|----------|------------|----------------------|-----|-------------|----------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
| WLAN&BT  |            |               |               |          |            |                      |     |             |                |                     |                     |                        |              |                           |                  |                        |                        |
|          | WLAN2.4GHz | 802.11b 1Mbps | Front         | 5mm      | Ant 4+6(6) | Standalone           | 1   | 2412        | Close          | 18.56               | 20.00               | 1.393                  | 100          | 1.000                     | 0.01             | 0.649                  | 0.904                  |
|          | WLAN2.4GHz | 802.11b 1Mbps | Front         | 5mm      | Ant 4+6(4) | Standalone           | 6   | 2437        | Close          | 18.98               | 20.50               | 1.419                  | 100          | 1.000                     | -0.02            | 0.662                  | 0.939                  |
|          | WLAN2.4GHz | 802.11b 1Mbps | Back          | 5mm      | Ant 4+6(6) | Standalone           | 1   | 2412        | Close          | 18.56               | 20.00               | 1.393                  | 100          | 1.000                     | 0.01             | 0.234                  | 0.326                  |
|          | WLAN2.4GHz | 802.11b 1Mbps | Front         | 5mm      | Ant 4+6(4) | DBS only             | 6   | 2437        | Close          | 17.03               | 18.50               | 1.403                  | 100          | 1.000                     | 0.03             | 0.392                  | 0.550                  |
|          | WLAN2.4GHz | 802.11b 1Mbps | Back          | 5mm      | Ant 4+6(4) | DBS only             | 6   | 2437        | Close          | 17.03               | 18.50               | 1.403                  | 100          | 1.000                     | -0.05            | 0.134                  | 0.188                  |
|          | WLAN2.4GHz | 802.11b 1Mbps | Front         | 5mm      | Ant 4+6(6) | non DBS Simultaneous | 6   | 2437        | Close          | 13.26               | 14.50               | 1.330                  | 100          | 1.000                     | 0.08             | 0.200                  | 0.266                  |
|          | WLAN2.4GHz | 802.11b 1Mbps | Back          | 5mm      | Ant 4+6(6) | non DBS Simultaneous | 6   | 2437        | Close          | 13.26               | 14.50               | 1.330                  | 100          | 1.000                     | -0.08            | 0.068                  | 0.090                  |
|          | WLAN2.4GHz | 802.11b 1Mbps | Front         | 5mm      | Ant 4+6(6) | DBS Simultaneous     | 6   | 2437        | Close          | 10.26               | 11.50               | 1.330                  | 100          | 1.000                     | 0.01             | 0.111                  | 0.148                  |
|          | WLAN2.4GHz | 802.11b 1Mbps | Back          | 5mm      | Ant 4+6(6) | DBS Simultaneous     | 6   | 2437        | Close          | 10.26               | 11.50               | 1.330                  | 100          | 1.000                     | -0.06            | 0.038                  | 0.051                  |
|          | WLAN2.4GHz | 802.11b 1Mbps | Front         | 14mm     | Ant 4+6(6) | Full power           | 1   | 2412        | Close          | 21.13               | 22.50               | 1.371                  | 100          | 1.000                     | 0.09             | 0.221                  | 0.303                  |
|          | WLAN2.4GHz | 802.11b 1Mbps | Front         | 15mm     | Ant 4+6(6) | Full power           | 1   | 2412        | Close          | 21.13               | 22.50               | 1.371                  | 100          | 1.000                     | 0.01             | 0.056                  | 0.077                  |



# FCC SAR Test Report

Report No. : FA340401-01

|  |             |                     |       |      |            |                      |     |      |       |       |       |       |       |       |       |       |       |
|--|-------------|---------------------|-------|------|------------|----------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|  | Bluetooth   | 1Mbps               | Front | 5mm  | Ant 4      | Standalone           | 39  | 2441 | Close | 17.51 | 18.50 | 1.256 | 76.72 | 1.086 | -0.17 | 0.190 | 0.259 |
|  | Bluetooth   | 1Mbps               | Back  | 5mm  | Ant 4      | Standalone           | 39  | 2441 | Close | 17.51 | 18.50 | 1.256 | 76.72 | 1.086 | 0.09  | 0.094 | 0.128 |
|  | Bluetooth   | 1Mbps               | Front | 5mm  | Ant 6      | Standalone           | 0   | 2402 | Close | 16.48 | 17.50 | 1.264 | 76.86 | 1.084 | 0.09  | 0.177 | 0.242 |
|  | Bluetooth   | 1Mbps               | Back  | 5mm  | Ant 6      | Standalone           | 0   | 2402 | Close | 16.48 | 17.50 | 1.264 | 76.86 | 1.084 | 0.03  | 0.001 | 0.001 |
|  | WLAN 5.3GHz | 802.11ac-VHT80 MCS0 | Front | 5mm  | Ant 5+4(5) | Standalone           | 58  | 5290 | Close | 18.90 | 20.50 | 1.445 | 100   | 1.000 | -0.08 | 0.231 | 0.334 |
|  | WLAN 5.3GHz | 802.11ac-VHT80 MCS0 | Back  | 5mm  | Ant 5+4(5) | Standalone           | 58  | 5290 | Close | 18.90 | 20.50 | 1.445 | 100   | 1.000 | 0.01  | 0.191 | 0.276 |
|  | WLAN 5.3GHz | 802.11n-HT40 MCS0   | Front | 14mm | Ant 5+4(4) | Standalone           | 54  | 5270 | Close | 19.16 | 21.00 | 1.528 | 100   | 1.000 | 0.04  | 0.065 | 0.099 |
|  | WLAN 5.3GHz | 802.11n-HT40 MCS0   | Back  | 15mm | Ant 5+4(4) | Standalone           | 54  | 5270 | Close | 19.16 | 21.00 | 1.528 | 100   | 1.000 | 0.07  | 0.059 | 0.090 |
|  | WLAN 5.5GHz | 802.11ac-VHT80 MCS0 | Front | 5mm  | Ant 5+4(5) | Standalone           | 138 | 5690 | Close | 18.62 | 19.50 | 1.225 | 100   | 1.000 | 0.03  | 0.516 | 0.632 |
|  | WLAN 5.5GHz | 802.11ac-VHT80 MCS0 | Front | 5mm  | Ant 5+4(5) | Standalone           | 106 | 5530 | Close | 18.69 | 19.50 | 1.205 | 100   | 1.000 | 0.01  | 0.394 | 0.475 |
|  | WLAN 5.5GHz | 802.11ac-VHT80 MCS0 | Front | 5mm  | Ant 5+4(4) | Standalone           | 122 | 5610 | Close | 17.52 | 18.50 | 1.253 | 100   | 1.000 | 0.05  | 0.336 | 0.421 |
|  | WLAN 5.5GHz | 802.11ac-VHT80 MCS0 | Back  | 5mm  | Ant 5+4(5) | Standalone           | 138 | 5690 | Close | 18.62 | 19.50 | 1.225 | 100   | 1.000 | 0.03  | 0.141 | 0.173 |
|  | WLAN 5.5GHz | 802.11ac-VHT80 MCS0 | Front | 5mm  | Ant 5+4(5) | DBS only             | 138 | 5690 | Close | 15.82 | 17.50 | 1.472 | 100   | 1.000 | 0.09  | 0.350 | 0.515 |
|  | WLAN 5.5GHz | 802.11ac-VHT80 MCS0 | Back  | 5mm  | Ant 5+4(5) | DBS only             | 138 | 5690 | Close | 15.82 | 17.50 | 1.472 | 100   | 1.000 | 0.02  | 0.090 | 0.133 |
|  | WLAN 5.5GHz | 802.11ac-VHT80 MCS0 | Front | 5mm  | Ant 5+4(5) | non DBS Simultaneous | 138 | 5690 | Close | 12.82 | 14.50 | 1.472 | 100   | 1.000 | 0.01  | 0.165 | 0.243 |
|  | WLAN 5.5GHz | 802.11ac-VHT80 MCS0 | Back  | 5mm  | Ant 5+4(5) | non DBS Simultaneous | 138 | 5690 | Close | 12.82 | 14.50 | 1.472 | 100   | 1.000 | 0.09  | 0.035 | 0.052 |
|  | WLAN 5.5GHz | 802.11ac-VHT80 MCS0 | Front | 5mm  | Ant 5+4(5) | DBS Simultaneous     | 138 | 5690 | Close | 9.58  | 11.50 | 1.556 | 100   | 1.000 | 0.05  | 0.072 | 0.112 |
|  | WLAN 5.5GHz | 802.11ac-VHT80 MCS0 | Back  | 5mm  | Ant 5+4(5) | DBS Simultaneous     | 138 | 5690 | Close | 9.58  | 11.50 | 1.556 | 100   | 1.000 | 0.05  | 0.007 | 0.011 |
|  | WLAN 5.5GHz | 802.11ac-VHT80 MCS0 | Front | 14mm | Ant 5+4(5) | Full power           | 138 | 5690 | Close | 19.86 | 21.50 | 1.459 | 100   | 1.000 | 0.03  | 0.233 | 0.340 |
|  | WLAN 5.5GHz | 802.11ac-VHT80 MCS0 | Back  | 15mm | Ant 5+4(5) | Full power           | 138 | 5690 | Close | 19.86 | 21.50 | 1.459 | 100   | 1.000 | 0.01  | 0.102 | 0.149 |
|  | WLAN 5.8GHz | 802.11ac-VHT80 MCS0 | Front | 5mm  | Ant 5+4(4) | Standalone           | 155 | 5775 | Close | 18.01 | 19.00 | 1.256 | 100   | 1.000 | -0.1  | 0.736 | 0.924 |
|  | WLAN 5.8GHz | 802.11ac-VHT80 MCS0 | Back  | 5mm  | Ant 5+4(4) | Standalone           | 155 | 5775 | Close | 18.01 | 19.00 | 1.256 | 100   | 1.000 | 0.08  | 0.139 | 0.175 |
|  | WLAN 5.8GHz | 802.11ac-VHT80 MCS0 | Front | 5mm  | Ant 5+4(5) | DBS only             | 155 | 5775 | Close | 17.37 | 18.00 | 1.156 | 100   | 1.000 | 0.02  | 0.549 | 0.635 |
|  | WLAN 5.8GHz | 802.11ac-VHT80 MCS0 | Back  | 5mm  | Ant 5+4(5) | DBS only             | 155 | 5775 | Close | 17.37 | 18.00 | 1.156 | 100   | 1.000 | 0.06  | 0.077 | 0.089 |
|  | WLAN 5.8GHz | 802.11ac-VHT80 MCS0 | Front | 5mm  | Ant 5+4(5) | non DBS Simultaneous | 155 | 5775 | Close | 14.47 | 15.00 | 1.130 | 100   | 1.000 | -0.02 | 0.240 | 0.271 |
|  | WLAN 5.8GHz | 802.11ac-VHT80 MCS0 | Back  | 5mm  | Ant 5+4(5) | non DBS Simultaneous | 155 | 5775 | Close | 14.47 | 15.00 | 1.130 | 100   | 1.000 | 0.04  | 0.028 | 0.032 |
|  | WLAN 5.8GHz | 802.11ac-VHT80 MCS0 | Front | 5mm  | Ant 5+4(5) | DBS Simultaneous     | 155 | 5775 | Close | 11.47 | 12.00 | 1.130 | 100   | 1.000 | 0.09  | 0.110 | 0.124 |
|  | WLAN 5.8GHz | 802.11ac-VHT80 MCS0 | Back  | 5mm  | Ant 5+4(5) | DBS Simultaneous     | 155 | 5775 | Close | 11.47 | 12.00 | 1.130 | 100   | 1.000 | -0.02 | 0.004 | 0.005 |
|  | WLAN 5.8GHz | 802.11ac-VHT80 MCS0 | Front | 14mm | Ant 5+4(4) | Standalone           | 155 | 5775 | Close | 18.73 | 20.00 | 1.340 | 100   | 1.000 | 0.05  | 0.375 | 0.502 |
|  | WLAN 5.8GHz | 802.11ac-VHT80 MCS0 | Back  | 15mm | Ant 5+4(4) | Standalone           | 155 | 5775 | Close | 18.73 | 20.00 | 1.340 | 100   | 1.000 | -0.04 | 0.101 | 0.135 |



## 16.4 Product specific 10g SAR

&lt;Flip open&gt;

| Plot No. | Band        | BW (MHz) | Modulation | RB Size | RB offset | Mode              | Test Position | Gap (mm) | Antenna | Power State | Ch.    | Freq. (MHz) | EUT Flip State | 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) |
|----------|-------------|----------|------------|---------|-----------|-------------------|---------------|----------|---------|-------------|--------|-------------|----------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|-------------------------|-------------------------|
| 750MHz   |             |          |            |         |           |                   |               |          |         |             |        |             |                |                     |                     |                        |              |                           |                  |                         |                         |
| 102      | LTE Band 71 | 20M      | QPSK       | 1       | 0         | -                 | Bottom Side   | 0mm      | Ant 0   | DSI 6       | 133322 | 683         | Open           | 22.91               | 24.00               | 1.285                  | -            | -                         | 0.04             | 2.330                   | 2.995                   |
|          | LTE Band 71 | 20M      | QPSK       | 50      | 24        | -                 | Bottom Side   | 0mm      | Ant 0   | DSI 6       | 133322 | 683         | Open           | 22.74               | 24.00               | 1.337                  | -            | -                         | 0.04             | 2.020                   | 2.700                   |
|          | LTE Band 71 | 20M      | QPSK       | 100     | 0         | -                 | Bottom Side   | 0mm      | Ant 0   | DSI 6       | 133322 | 683         | Open           | 22.79               | 24.00               | 1.321                  | -            | -                         | 0.06             | 2.080                   | 2.748                   |
|          | LTE Band 71 | 20M      | QPSK       | 1       | 0         | -                 | Back          | 0mm      | Ant 1   | DSI 6       | 133322 | 683         | Open           | 23.02               | 24.00               | 1.253                  | -            | -                         | -0.13            | 1.100                   | 1.378                   |
|          | LTE Band 71 | 20M      | QPSK       | 50      | 24        | -                 | Back          | 0mm      | Ant 1   | DSI 6       | 133322 | 683         | Open           | 22.89               | 24.00               | 1.291                  | -            | -                         | 0.02             | 0.974                   | 1.258                   |
|          | LTE Band 71 | 20M      | QPSK       | 1       | 0         | -                 | Left Side     | 0mm      | Ant 1   | DSI 6       | 133322 | 683         | Open           | 23.02               | 24.00               | 1.253                  | -            | -                         | 0.03             | 1.940                   | 2.431                   |
|          | LTE Band 71 | 20M      | QPSK       | 50      | 24        | -                 | Left Side     | 0mm      | Ant 1   | DSI 6       | 133322 | 683         | Open           | 22.89               | 24.00               | 1.291                  | -            | -                         | 0.03             | 1.650                   | 2.131                   |
|          | LTE Band 71 | 20M      | QPSK       | 100     | 0         | -                 | Left Side     | 0mm      | Ant 1   | DSI 6       | 133322 | 683         | Open           | 22.93               | 24.00               | 1.279                  | -            | -                         | 0.06             | 1.680                   | 2.149                   |
|          | LTE Band 12 | 10M      | QPSK       | 1       | 0         | -                 | Front         | 0mm      | Ant 1   | DSI 6       | 23095  | 707.5       | Open           | 22.65               | 24.00               | 1.365                  | -            | -                         | 0.05             | 1.160                   | 1.583                   |
|          | LTE Band 12 | 10M      | QPSK       | 25      | 0         | -                 | Front         | 0mm      | Ant 1   | DSI 6       | 23095  | 707.5       | Open           | 22.61               | 24.00               | 1.377                  | -            | -                         | 0.08             | 1.070                   | 1.474                   |
|          | LTE Band 12 | 10M      | QPSK       | 1       | 0         | -                 | Back          | 0mm      | Ant 1   | DSI 6       | 23095  | 707.5       | Open           | 22.65               | 24.00               | 1.365                  | -            | -                         | -0.08            | 1.270                   | 1.733                   |
|          | LTE Band 12 | 10M      | QPSK       | 25      | 0         | -                 | Back          | 0mm      | Ant 1   | DSI 6       | 23095  | 707.5       | Open           | 22.61               | 24.00               | 1.377                  | -            | -                         | 0.03             | 1.070                   | 1.474                   |
| 103      | LTE Band 12 | 10M      | QPSK       | 1       | 0         | -                 | Left Side     | 0mm      | Ant 1   | DSI 6       | 23095  | 707.5       | Open           | 22.65               | 24.00               | 1.365                  | -            | -                         | 0.02             | 1.790                   | 2.443                   |
|          | LTE Band 12 | 10M      | QPSK       | 25      | 0         | -                 | Left Side     | 0mm      | Ant 1   | DSI 6       | 23095  | 707.5       | Open           | 22.61               | 24.00               | 1.377                  | -            | -                         | 0.12             | 1.520                   | 2.093                   |
|          | LTE Band 12 | 10M      | QPSK       | 50      | 0         | -                 | Left Side     | 0mm      | Ant 1   | DSI 6       | 23095  | 707.5       | Open           | 22.59               | 24.00               | 1.384                  | -            | -                         | 0.11             | 1.510                   | 2.089                   |
|          | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -                 | Back          | 0mm      | Ant 0   | DSI 6       | 23230  | 782         | Open           | 22.76               | 23.70               | 1.242                  | -            | -                         | 0.05             | 1.880                   | 2.334                   |
|          | LTE Band 13 | 10M      | QPSK       | 25      | 0         | -                 | Back          | 0mm      | Ant 0   | DSI 6       | 23230  | 782         | Open           | 22.71               | 23.70               | 1.256                  | -            | -                         | -0.06            | 1.740                   | 2.185                   |
|          | LTE Band 13 | 10M      | QPSK       | 50      | 0         | -                 | Back          | 0mm      | Ant 0   | DSI 6       | 23230  | 782         | Open           | 22.63               | 23.70               | 1.279                  | -            | -                         | 0.05             | 1.600                   | 2.047                   |
| 104      | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -                 | Bottom Side   | 0mm      | Ant 0   | DSI 6       | 23230  | 782         | Open           | 22.76               | 23.70               | 1.242                  | -            | -                         | 0.02             | 2.530                   | 3.141                   |
|          | LTE Band 13 | 10M      | QPSK       | 25      | 0         | -                 | Bottom Side   | 0mm      | Ant 0   | DSI 6       | 23230  | 782         | Open           | 22.71               | 23.70               | 1.256                  | -            | -                         | 0.04             | 2.180                   | 2.738                   |
|          | LTE Band 13 | 10M      | QPSK       | 50      | 0         | -                 | Bottom Side   | 0mm      | Ant 0   | DSI 6       | 23230  | 782         | Open           | 22.63               | 23.70               | 1.279                  | -            | -                         | -0.06            | 2.160                   | 2.763                   |
|          | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -                 | Back          | 6mm      | Ant 0   | DSI 4       | 23230  | 782         | Open           | 22.76               | 24.00               | 1.330                  | -            | -                         | 0.02             | 0.127                   | 0.169                   |
|          | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -                 | Bottom Side   | 11mm     | Ant 0   | DSI 4       | 23230  | 782         | Open           | 22.76               | 24.00               | 1.330                  | -            | -                         | 0.01             | 0.255                   | 0.339                   |
|          | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -                 | Back          | 0mm      | Ant 1   | DSI 6       | 23230  | 782         | Open           | 22.63               | 24.00               | 1.371                  | -            | -                         | -0.01            | 1.490                   | 2.043                   |
|          | LTE Band 13 | 10M      | QPSK       | 25      | 0         | -                 | Back          | 0mm      | Ant 1   | DSI 6       | 23230  | 782         | Open           | 22.56               | 24.00               | 1.393                  | -            | -                         | 0.07             | 1.290                   | 1.797                   |
|          | LTE Band 13 | 10M      | QPSK       | 50      | 0         | -                 | Back          | 0mm      | Ant 1   | DSI 6       | 23230  | 782         | Open           | 22.50               | 24.00               | 1.413                  | -            | -                         | 0.04             | 1.300                   | 1.836                   |
|          | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -                 | Left Side     | 0mm      | Ant 1   | DSI 6       | 23230  | 782         | Open           | 22.63               | 24.00               | 1.371                  | -            | -                         | -0.19            | 0.583                   | 0.799                   |
|          | LTE Band 13 | 10M      | QPSK       | 25      | 0         | -                 | Left Side     | 0mm      | Ant 1   | DSI 6       | 23230  | 782         | Open           | 22.56               | 24.00               | 1.393                  | -            | -                         | -0.12            | 0.531                   | 0.740                   |
| 105      | LTE Band 14 | 10M      | QPSK       | 1       | 0         | -                 | Bottom Side   | 0mm      | Ant 0   | DSI 6       | 23330  | 793         | Open           | 22.83               | 24.00               | 1.309                  | -            | -                         | -0.06            | 2.300                   | 3.011                   |
|          | LTE Band 14 | 10M      | QPSK       | 25      | 0         | -                 | Bottom Side   | 0mm      | Ant 0   | DSI 6       | 23330  | 793         | Open           | 22.78               | 24.00               | 1.324                  | -            | -                         | 0.1              | 1.930                   | 2.556                   |
|          | LTE Band 14 | 10M      | QPSK       | 50      | 0         | -                 | Bottom Side   | 0mm      | Ant 0   | DSI 6       | 23330  | 793         | Open           | 22.72               | 24.00               | 1.343                  | -            | -                         | -0.08            | 1.910                   | 2.565                   |
|          | LTE Band 14 | 10M      | QPSK       | 1       | 0         | -                 | Back          | 0mm      | Ant 1   | DSI 6       | 23330  | 793         | Open           | 22.65               | 24.00               | 1.365                  | -            | -                         | -0.05            | 1.460                   | 1.992                   |
|          | LTE Band 14 | 10M      | QPSK       | 25      | 0         | -                 | Back          | 0mm      | Ant 1   | DSI 6       | 23330  | 793         | Open           | 22.61               | 24.00               | 1.377                  | -            | -                         | 0.09             | 1.220                   | 1.680                   |
|          | LTE Band 14 | 10M      | QPSK       | 50      | 0         | -                 | Back          | 0mm      | Ant 1   | DSI 6       | 23330  | 793         | Open           | 22.59               | 24.00               | 1.384                  | -            | -                         | -0.08            | 1.200                   | 1.660                   |
|          | LTE Band 14 | 10M      | QPSK       | 1       | 0         | -                 | Left Side     | 0mm      | Ant 1   | DSI 6       | 23330  | 793         | Open           | 22.65               | 24.00               | 1.365                  | -            | -                         | -0.1             | 0.622                   | 0.849                   |
|          | LTE Band 14 | 10M      | QPSK       | 25      | 0         | -                 | Left Side     | 0mm      | Ant 1   | DSI 6       | 23330  | 793         | Open           | 22.61               | 24.00               | 1.377                  | -            | -                         | 0.07             | 0.530                   | 0.730                   |
|          | LTE Band 14 | 10M      | QPSK       | 50      | 0         | -                 | Left Side     | 0mm      | Ant 1   | DSI 6       | 23330  | 793         | Open           | 22.59               | 24.00               | 1.384                  | -            | -                         | 0.02             | 0.528                   | 0.731                   |
| 106      | FR1 n12     | 15M      | QPSK       | 1       | 1         | DFT-SCS-15KHz     | Front         | 0mm      | Ant 1   | DSI 6       | 141500 | 707.5       | Open           | 23.50               | 24.00               | 1.122                  | -            | -                         | -0.03            | 0.808                   | 0.907                   |
|          | FR1 n12     | 15M      | QPSK       | 36      | 22        | DFT-SCS-15KHz     | Front         | 0mm      | Ant 1   | DSI 6       | 141500 | 707.5       | Open           | 23.41               | 24.00               | 1.146                  | -            | -                         | 0.04             | 0.734                   | 0.841                   |
|          | FR1 n12     | 15M      | QPSK       | 1       | 1         | DFT-SCS-15KHz     | Left Side     | 0mm      | Ant 1   | DSI 6       | 141500 | 707.5       | Open           | 23.50               | 24.00               | 1.122                  | -            | -                         | 0.06             | 0.480                   | 0.539                   |
|          | FR1 n12     | 15M      | QPSK       | 36      | 22        | DFT-SCS-15KHz     | Left Side     | 0mm      | Ant 1   | DSI 6       | 141500 | 707.5       | Open           | 23.41               | 24.00               | 1.146                  | -            | -                         | -0.07            | 0.375                   | 0.430                   |
|          | FR1 n14     | 10M      | QPSK       | 1       | 1         | DFT-SCS-15KHz     | Front         | 0mm      | Ant 1   | DSI 6       | 158600 | 793         | Open           | 23.56               | 24.00               | 1.107                  | -            | -                         | 0.02             | 0.768                   | 0.850                   |
|          | FR1 n14     | 10M      | QPSK       | 25      | 14        | DFT-SCS-15KHz     | Front         | 0mm      | Ant 1   | DSI 6       | 158600 | 793         | Open           | 23.37               | 24.00               | 1.156                  | -            | -                         | -0.14            | 0.695                   | 0.803                   |
| 107      | FR1 n14     | 10M      | QPSK       | 1       | 1         | DFT-SCS-15KHz     | Back          | 0mm      | Ant 1   | DSI 6       | 158600 | 793         | Open           | 23.56               | 24.00               | 1.107                  | -            | -                         | -0.06            | 0.951                   | 1.052                   |
|          | FR1 n14     | 10M      | QPSK       | 25      | 14        | DFT-SCS-15KHz     | Back          | 0mm      | Ant 1   | DSI 6       | 158600 | 793         | Open           | 23.37               | 24.00               | 1.156                  | -            | -                         | -0.09            | 0.863                   | 0.998                   |
|          | FR1 n14     | 10M      | QPSK       | 1       | 1         | DFT-SCS-15KHz     | Left Side     | 0mm      | Ant 1   | DSI 6       | 158600 | 793         | Open           | 23.56               | 24.00               | 1.107                  | -            | -                         | -0.04            | 0.511                   | 0.565                   |
|          | FR1 n14     | 10M      | QPSK       | 25      | 14        | DFT-SCS-15KHz     | Left Side     | 0mm      | Ant 1   | DSI 6       | 158600 | 793         | Open           | 23.37               | 24.00               | 1.156                  | -            | -                         | 0.05             | 0.476                   | 0.550                   |
| 835MHz   |             |          |            |         |           |                   |               |          |         |             |        |             |                |                     |                     |                        |              |                           |                  |                         |                         |
|          | GSM850      | -        | -          | -       | -         | GPRS (3 Tx slots) | Back          | 0mm      | Ant 0   | DSI 6       | 251    | 848.8       | Open           | 28.16               | 29.50               | 1.361                  | -            | -                         | 0.05             | 1.040                   | 1.416                   |



# FCC SAR Test Report

Report No. : FA340401-01

|         |             |     |      |    |    |                   |             |      |       |       |                 |                 |      |       |       |       |   |   |       |       |       |
|---------|-------------|-----|------|----|----|-------------------|-------------|------|-------|-------|-----------------|-----------------|------|-------|-------|-------|---|---|-------|-------|-------|
| 108     | GSM850      | -   | -    | -  | -  | GPRS (3 Tx slots) | Bottom Side | 0mm  | Ant 0 | DSI 6 | 251             | 848.8           | Open | 28.16 | 29.50 | 1.361 | - | - | 0.05  | 1.330 | 1.811 |
|         | GSM850      | -   | -    | -  | -  | GPRS (3 Tx slots) | Back        | 0mm  | Ant 1 | DSI 6 | 189             | 836.4           | Open | 28.31 | 29.50 | 1.315 | - | - | -0.14 | 1.060 | 1.394 |
|         | GSM850      | -   | -    | -  | -  | GPRS (3 Tx slots) | Left Side   | 0mm  | Ant 1 | DSI 6 | 189             | 836.4           | Open | 28.31 | 29.50 | 1.315 | - | - | -0.03 | 0.298 | 0.392 |
|         | WCDMA V     | -   | -    | -  | -  | RMC 12.2Kbps      | Back        | 0mm  | Ant 0 | DSI 6 | 4182            | 836.4           | Open | 24.39 | 25.00 | 1.151 | - | - | -0.03 | 0.957 | 1.101 |
|         | WCDMA V     | -   | -    | -  | -  | RMC 12.2Kbps      | Bottom Side | 0mm  | Ant 0 | DSI 6 | 4182            | 836.4           | Open | 24.39 | 25.00 | 1.151 | - | - | 0.03  | 1.260 | 1.450 |
| 109     | WCDMA V     | -   | -    | -  | -  | RMC 12.2Kbps      | Front       | 0mm  | Ant 1 | DSI 6 | 4182            | 836.4           | Open | 24.41 | 25.00 | 1.146 | - | - | -0.12 | 1.510 | 1.730 |
|         | WCDMA V     | -   | -    | -  | -  | RMC 12.2Kbps      | Back        | 0mm  | Ant 1 | DSI 6 | 4182            | 836.4           | Open | 24.41 | 25.00 | 1.146 | - | - | 0.07  | 0.923 | 1.057 |
| 110     | LTE Band 26 | 15M | QPSK | 1  | 0  | -                 | Bottom Side | 0mm  | Ant 0 | DSI 6 | 26865           | 831.5           | Open | 22.68 | 24.00 | 1.355 | - | - | 0.16  | 1.700 | 2.304 |
|         | LTE Band 5B | 10M | QPSK | 1  | 49 | -                 | Bottom Side | 0mm  | Ant 0 | DSI 6 | 20476+<br>20575 | 831.6+<br>841.5 | Open | 22.45 | 24.00 | 1.429 | - | - | 0.04  | 1.320 | 1.886 |
|         | LTE Band 26 | 15M | QPSK | 36 | 0  | -                 | Bottom Side | 0mm  | Ant 0 | DSI 6 | 26865           | 831.5           | Open | 22.64 | 24.00 | 1.368 | - | - | 0.05  | 1.490 | 2.038 |
|         | LTE Band 26 | 15M | QPSK | 75 | 0  | -                 | Bottom Side | 0mm  | Ant 0 | DSI 6 | 26865           | 831.5           | Open | 22.61 | 24.00 | 1.377 | - | - | 0.06  | 1.170 | 1.611 |
|         | LTE Band 26 | 15M | QPSK | 1  | 0  | -                 | Front       | 0mm  | Ant 1 | DSI 6 | 26865           | 831.5           | Open | 22.79 | 24.00 | 1.321 | - | - | 0.18  | 1.440 | 1.903 |
|         | LTE Band 26 | 15M | QPSK | 36 | 0  | -                 | Front       | 0mm  | Ant 1 | DSI 6 | 26865           | 831.5           | Open | 22.62 | 24.00 | 1.374 | - | - | 0.08  | 1.290 | 1.773 |
|         | LTE Band 26 | 15M | QPSK | 1  | 0  | -                 | Back        | 0mm  | Ant 1 | DSI 6 | 26865           | 831.5           | Open | 22.79 | 24.00 | 1.321 | - | - | -0.07 | 1.400 | 1.850 |
|         | LTE Band 26 | 15M | QPSK | 36 | 0  | -                 | Back        | 0mm  | Ant 1 | DSI 6 | 26865           | 831.5           | Open | 22.62 | 24.00 | 1.374 | - | - | 0.03  | 1.220 | 1.676 |
|         | LTE Band 26 | 15M | QPSK | 1  | 0  | -                 | Left Side   | 0mm  | Ant 1 | DSI 6 | 26865           | 831.5           | Open | 22.79 | 24.00 | 1.321 | - | - | 0.04  | 1.710 | 2.259 |
|         | LTE Band 5B | 10M | QPSK | 1  | 49 | -                 | Left Side   | 0mm  | Ant 1 | DSI 6 | 20476+<br>20575 | 831.6+<br>841.5 | Open | 22.35 | 24.00 | 1.462 | - | - | 0.07  | 1.420 | 2.076 |
|         | LTE Band 26 | 15M | QPSK | 36 | 0  | -                 | Left Side   | 0mm  | Ant 1 | DSI 6 | 26865           | 831.5           | Open | 22.62 | 24.00 | 1.374 | - | - | 0.11  | 1.460 | 2.006 |
|         | LTE Band 26 | 15M | QPSK | 75 | 0  | -                 | Left Side   | 0mm  | Ant 1 | DSI 6 | 26865           | 831.5           | Open | 22.58 | 24.00 | 1.387 | - | - | -0.12 | 1.470 | 2.039 |
|         | FR1 n26     | 20M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Back        | 0mm  | Ant 0 | DSI 6 | 166300          | 831.5           | Open | 23.39 | 24.00 | 1.151 | - | - | 0.14  | 0.841 | 0.968 |
|         | FR1 n26     | 20M | QPSK | 50 | 28 | DFT-SCS-15KHz     | Back        | 0mm  | Ant 0 | DSI 6 | 166300          | 831.5           | Open | 23.29 | 24.00 | 1.178 | - | - | -0.09 | 0.789 | 0.929 |
|         | FR1 n26     | 20M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Bottom Side | 0mm  | Ant 0 | DSI 6 | 166300          | 831.5           | Open | 23.39 | 24.00 | 1.151 | - | - | 0.1   | 1.060 | 1.220 |
|         | FR1 n26     | 20M | QPSK | 50 | 28 | DFT-SCS-15KHz     | Bottom Side | 0mm  | Ant 0 | DSI 6 | 166300          | 831.5           | Open | 23.29 | 24.00 | 1.178 | - | - | -0.03 | 0.905 | 1.066 |
|         | FR1 n26     | 20M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Front       | 0mm  | Ant 1 | DSI 6 | 166300          | 831.5           | Open | 23.49 | 24.00 | 1.125 | - | - | 0.08  | 1.100 | 1.237 |
|         | FR1 n26     | 20M | QPSK | 50 | 28 | DFT-SCS-15KHz     | Front       | 0mm  | Ant 1 | DSI 6 | 166300          | 831.5           | Open | 23.42 | 24.00 | 1.143 | - | - | 0.08  | 1.020 | 1.166 |
|         | FR1 n26     | 20M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Back        | 0mm  | Ant 1 | DSI 6 | 166300          | 831.5           | Open | 23.49 | 24.00 | 1.125 | - | - | 0.1   | 1.150 | 1.293 |
| 111     | FR1 n26     | 20M | QPSK | 50 | 28 | DFT-SCS-15KHz     | Back        | 0mm  | Ant 1 | DSI 6 | 166300          | 831.5           | Open | 23.42 | 24.00 | 1.143 | - | - | -0.07 | 1.170 | 1.337 |
|         | FR1 n26     | 20M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Left Side   | 0mm  | Ant 1 | DSI 6 | 166300          | 831.5           | Open | 23.49 | 24.00 | 1.125 | - | - | -0.03 | 0.621 | 0.698 |
|         | FR1 n26     | 20M | QPSK | 50 | 28 | DFT-SCS-15KHz     | Left Side   | 0mm  | Ant 1 | DSI 6 | 166300          | 831.5           | Open | 23.42 | 24.00 | 1.143 | - | - | -0.07 | 0.572 | 0.654 |
| 1750MHz |             |     |      |    |    |                   |             |      |       |       |                 |                 |      |       |       |       |   |   |       |       |       |
|         | WCDMA IV    | -   | -    | -  | -  | RMC 12.2Kbps      | Front       | 0mm  | Ant 0 | DSI 6 | 1413            | 1732.6          | Open | 22.89 | 24.00 | 1.291 | - | - | -0.14 | 1.440 | 1.859 |
|         | WCDMA IV    | -   | -    | -  | -  | RMC 12.2Kbps      | Front       | 0mm  | Ant 0 | DSI 6 | 1312            | 1712.4          | Open | 22.77 | 24.00 | 1.327 | - | - | 0.06  | 1.470 | 1.951 |
|         | WCDMA IV    | -   | -    | -  | -  | RMC 12.2Kbps      | Front       | 0mm  | Ant 0 | DSI 6 | 1513            | 1752.6          | Open | 22.81 | 24.00 | 1.315 | - | - | 0.06  | 1.570 | 2.065 |
|         | WCDMA IV    | -   | -    | -  | -  | RMC 12.2Kbps      | Back        | 0mm  | Ant 0 | DSI 6 | 1413            | 1732.6          | Open | 22.89 | 24.00 | 1.291 | - | - | -0.16 | 2.020 | 2.608 |
|         | WCDMA IV    | -   | -    | -  | -  | RMC 12.2Kbps      | Back        | 0mm  | Ant 0 | DSI 6 | 1312            | 1712.4          | Open | 22.77 | 24.00 | 1.327 | - | - | 0.03  | 2.000 | 2.655 |
|         | WCDMA IV    | -   | -    | -  | -  | RMC 12.2Kbps      | Back        | 0mm  | Ant 0 | DSI 6 | 1513            | 1752.6          | Open | 22.81 | 24.00 | 1.315 | - | - | -0.19 | 2.010 | 2.644 |
|         | WCDMA IV    | -   | -    | -  | -  | RMC 12.2Kbps      | Bottom Side | 0mm  | Ant 0 | DSI 6 | 1413            | 1732.6          | Open | 22.89 | 24.00 | 1.291 | - | - | -0.03 | 1.970 | 2.544 |
|         | WCDMA IV    | -   | -    | -  | -  | RMC 12.2Kbps      | Bottom Side | 0mm  | Ant 0 | DSI 6 | 1312            | 1712.4          | Open | 22.77 | 24.00 | 1.327 | - | - | 0.14  | 1.950 | 2.588 |
| 112     | WCDMA IV    | -   | -    | -  | -  | RMC 12.2Kbps      | Bottom Side | 0mm  | Ant 0 | DSI 6 | 1513            | 1752.6          | Open | 22.81 | 24.00 | 1.315 | - | - | 0.02  | 2.180 | 2.867 |
|         | WCDMA IV    | -   | -    | -  | -  | RMC 12.2Kbps      | Front       | 0mm  | Ant 1 | DSI 6 | 1413            | 1732.6          | Open | 20.48 | 21.80 | 1.355 | - | - | 0.1   | 1.580 | 2.141 |
|         | WCDMA IV    | -   | -    | -  | -  | RMC 12.2Kbps      | Front       | 0mm  | Ant 1 | DSI 6 | 1312            | 1712.4          | Open | 20.39 | 21.80 | 1.384 | - | - | 0.05  | 1.540 | 2.131 |
|         | WCDMA IV    | -   | -    | -  | -  | RMC 12.2Kbps      | Front       | 0mm  | Ant 1 | DSI 6 | 1513            | 1752.6          | Open | 20.42 | 21.80 | 1.374 | - | - | 0.03  | 1.810 | 2.487 |
|         | WCDMA IV    | -   | -    | -  | -  | RMC 12.2Kbps      | Back        | 0mm  | Ant 1 | DSI 6 | 1413            | 1732.6          | Open | 20.48 | 21.80 | 1.355 | - | - | 0.04  | 1.290 | 1.748 |
|         | WCDMA IV    | -   | -    | -  | -  | RMC 12.2Kbps      | Left Side   | 0mm  | Ant 1 | DSI 6 | 1413            | 1732.6          | Open | 20.48 | 21.80 | 1.355 | - | - | 0.16  | 0.826 | 1.119 |
|         | WCDMA IV    | -   | -    | -  | -  | RMC 12.2Kbps      | Front       | 8mm  | Ant 1 | DSI 4 | 1413            | 1732.6          | Open | 22.42 | 24.00 | 1.439 | - | - | 0.03  | 0.299 | 0.430 |
|         | WCDMA IV    | -   | -    | -  | -  | RMC 12.2Kbps      | Back        | 8mm  | Ant 1 | DSI 4 | 1413            | 1732.6          | Open | 22.42 | 24.00 | 1.439 | - | - | -0.19 | 0.411 | 0.591 |
|         | WCDMA IV    | -   | -    | -  | -  | RMC 12.2Kbps      | Left Side   | 13mm | Ant 1 | DSI 4 | 1413            | 1732.6          | Open | 22.42 | 24.00 | 1.439 | - | - | 0.08  | 0.027 | 0.039 |
|         | WCDMA IV    | -   | -    | -  | -  | RMC 12.2Kbps      | Front       | 0mm  | Ant 2 | DSI 6 | 1413            | 1732.6          | Open | 23.30 | 24.00 | 1.175 | - | - | 0.02  | 1.250 | 1.469 |
|         | WCDMA IV    | -   | -    | -  | -  | RMC 12.2Kbps      | Back        | 0mm  | Ant 2 | DSI 6 | 1413            | 1732.6          | Open | 23.30 | 24.00 | 1.175 | - | - | 0.09  | 1.710 | 2.009 |
|         | WCDMA IV    | -   | -    | -  | -  | RMC 12.2Kbps      | Back        | 0mm  | Ant 2 | DSI 6 | 1312            | 1712.4          | Open | 23.26 | 24.00 | 1.186 | - | - | 0.05  | 1.680 | 1.992 |
|         | WCDMA IV    | -   | -    | -  | -  | RMC 12.2Kbps      | Back        | 0mm  | Ant 2 | DSI 6 | 1513            | 1752.6          | Open | 23.15 | 24.00 | 1.216 | - | - | 0.14  | 1.740 | 2.116 |
|         | WCDMA IV    | -   | -    | -  | -  | RMC 12.2Kbps      | Bottom Side | 0mm  | Ant 2 | DSI 6 | 1413            | 1732.6          | Open | 23.30 | 24.00 | 1.175 | - | - | 0.08  | 1.710 | 2.009 |
|         | WCDMA IV    | -   | -    | -  | -  | RMC 12.2Kbps      | Bottom Side | 0mm  | Ant 2 | DSI 6 | 1312            | 1712.4          | Open | 23.26 | 24.00 | 1.186 | - | - | 0.05  | 1.660 | 1.968 |
|         | WCDMA IV    | -   | -    | -  | -  | RMC 12.2Kbps      | Bottom Side | 0mm  | Ant 2 | DSI 6 | 1513            | 1752.6          | Open | 23.15 | 24.00 | 1.216 | - | - | 0.03  | 1.760 | 2.140 |
|         | WCDMA IV    | -   | -    | -  | -  | RMC 12.2Kbps      | Front       | 0mm  | Ant 3 | DSI 6 | 1413            | 1732.6          | Open | 22.18 | 23.30 | 1.294 | - | - | 0.07  | 1.690 | 2.187 |



# FCC SAR Test Report

Report No. : FA340401-01

|     |                      |     |      |     |    |              |             |      |       |       |               |             |      |       |       |       |   |   |       |       |       |
|-----|----------------------|-----|------|-----|----|--------------|-------------|------|-------|-------|---------------|-------------|------|-------|-------|-------|---|---|-------|-------|-------|
|     | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Front       | 0mm  | Ant 3 | DSI 6 | 1312          | 1712.4      | Open | 21.94 | 23.30 | 1.368 | - | - | -0.18 | 1.700 | 2.325 |
|     | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Front       | 0mm  | Ant 3 | DSI 6 | 1513          | 1752.6      | Open | 22.15 | 23.30 | 1.303 | - | - | 0.07  | 1.650 | 2.150 |
|     | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Back        | 0mm  | Ant 3 | DSI 6 | 1413          | 1732.6      | Open | 22.18 | 23.30 | 1.294 | - | - | -0.13 | 1.450 | 1.877 |
|     | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Top Side    | 0mm  | Ant 3 | DSI 6 | 1413          | 1732.6      | Open | 22.18 | 23.30 | 1.294 | - | - | 0.16  | 1.780 | 2.304 |
|     | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Top Side    | 0mm  | Ant 3 | DSI 6 | 1312          | 1712.4      | Open | 21.94 | 23.30 | 1.368 | - | - | 0.09  | 1.630 | 2.229 |
|     | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Top Side    | 0mm  | Ant 3 | DSI 6 | 1513          | 1752.6      | Open | 22.15 | 23.30 | 1.303 | - | - | 0.01  | 1.880 | 2.450 |
|     | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Front       | 9mm  | Ant 3 | DSI 4 | 1413          | 1732.6      | Open | 24.02 | 25.00 | 1.253 | - | - | 0.03  | 0.142 | 0.178 |
|     | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Back        | 4mm  | Ant 3 | DSI 4 | 1413          | 1732.6      | Open | 24.02 | 25.00 | 1.253 | - | - | 0.05  | 0.541 | 0.678 |
|     | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps | Top Side    | 9mm  | Ant 3 | DSI 4 | 1413          | 1732.6      | Open | 24.02 | 25.00 | 1.253 | - | - | 0.16  | 0.288 | 0.361 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Front       | 0mm  | Ant 0 | DSI 6 | 132322        | 1745        | Open | 23.26 | 24.00 | 1.186 | - | - | 0.07  | 1.850 | 2.194 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Front       | 0mm  | Ant 0 | DSI 6 | 132072        | 1720        | Open | 23.22 | 24.00 | 1.197 | - | - | 0.08  | 1.740 | 2.082 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Front       | 0mm  | Ant 0 | DSI 6 | 132572        | 1770        | Open | 23.17 | 24.00 | 1.211 | - | - | 0.03  | 1.840 | 2.228 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -            | Front       | 0mm  | Ant 0 | DSI 6 | 132322        | 1745        | Open | 23.18 | 24.00 | 1.208 | - | - | 0.09  | 1.580 | 1.908 |
|     | LTE Band 66          | 20M | QPSK | 100 | 0  | -            | Front       | 0mm  | Ant 0 | DSI 6 | 132322        | 1745        | Open | 23.11 | 24.00 | 1.227 | - | - | -0.04 | 1.580 | 1.939 |
| 113 | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Back        | 0mm  | Ant 0 | DSI 6 | 132322        | 1745        | Open | 23.26 | 24.00 | 1.186 | - | - | 0.09  | 2.650 | 3.142 |
|     | LTE Band 66C         | 20M | QPSK | 1   | 99 | -            | Back        | 0mm  | Ant 0 | DSI 6 | 132322+132520 | 1745+1764.8 | Open | 22.92 | 24.00 | 1.282 | - | - | 0.06  | 2.280 | 2.924 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Back        | 0mm  | Ant 0 | DSI 6 | 132072        | 1720        | Open | 23.22 | 24.00 | 1.197 | - | - | 0.16  | 2.460 | 2.944 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Back        | 0mm  | Ant 0 | DSI 6 | 132572        | 1770        | Open | 23.17 | 24.00 | 1.211 | - | - | 0.02  | 2.560 | 3.099 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -            | Back        | 0mm  | Ant 0 | DSI 6 | 132322        | 1745        | Open | 23.18 | 24.00 | 1.208 | - | - | 0.01  | 2.240 | 2.706 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -            | Back        | 0mm  | Ant 0 | DSI 6 | 132072        | 1720        | Open | 23.14 | 24.00 | 1.219 | - | - | -0.11 | 2.100 | 2.560 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -            | Back        | 0mm  | Ant 0 | DSI 6 | 132572        | 1770        | Open | 23.09 | 24.00 | 1.233 | - | - | 0.16  | 2.210 | 2.725 |
|     | LTE Band 66          | 20M | QPSK | 100 | 0  | -            | Back        | 0mm  | Ant 0 | DSI 6 | 132322        | 1745        | Open | 23.11 | 24.00 | 1.227 | - | - | 0.11  | 2.260 | 2.774 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Bottom Side | 0mm  | Ant 0 | DSI 6 | 132322        | 1745        | Open | 23.26 | 24.00 | 1.186 | - | - | 0.14  | 2.260 | 2.680 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Bottom Side | 0mm  | Ant 0 | DSI 6 | 132072        | 1720        | Open | 23.22 | 24.00 | 1.197 | - | - | 0.17  | 2.050 | 2.453 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Bottom Side | 0mm  | Ant 0 | DSI 6 | 132572        | 1770        | Open | 23.17 | 24.00 | 1.211 | - | - | -0.18 | 2.230 | 2.700 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -            | Bottom Side | 0mm  | Ant 0 | DSI 6 | 132322        | 1745        | Open | 23.18 | 24.00 | 1.208 | - | - | -0.06 | 1.930 | 2.331 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -            | Bottom Side | 0mm  | Ant 0 | DSI 6 | 132072        | 1720        | Open | 23.14 | 24.00 | 1.219 | - | - | 0.14  | 1.760 | 2.145 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -            | Bottom Side | 0mm  | Ant 0 | DSI 6 | 132572        | 1770        | Open | 23.09 | 24.00 | 1.233 | - | - | 0.04  | 1.910 | 2.355 |
|     | LTE Band 66          | 20M | QPSK | 100 | 0  | -            | Bottom Side | 0mm  | Ant 0 | DSI 6 | 132322        | 1745        | Open | 23.11 | 24.00 | 1.227 | - | - | 0.05  | 1.930 | 2.369 |
|     | LTE Band 66 Other PA | 20M | QPSK | 1   | 0  | -            | Back        | 0mm  | Ant 0 | DSI 6 | 132322        | 1745        | Open | 23.50 | 24.00 | 1.122 | - | - | 0.07  | 1.390 | 1.560 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Front       | 0mm  | Ant 1 | DSI 6 | 132322        | 1745        | Open | 19.62 | 20.80 | 1.312 | - | - | 0.1   | 1.870 | 2.454 |
|     | LTE Band 66C         | 20M | QPSK | 1   | 99 | -            | Front       | 0mm  | Ant 1 | DSI 6 | 132322+132520 | 1745+1764.8 | Open | 19.55 | 20.80 | 1.334 | - | - | 0.09  | 1.450 | 1.934 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Front       | 0mm  | Ant 1 | DSI 6 | 132072        | 1720        | Open | 19.39 | 20.80 | 1.384 | - | - | 0.04  | 1.370 | 1.895 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Front       | 0mm  | Ant 1 | DSI 6 | 132572        | 1770        | Open | 19.53 | 20.80 | 1.340 | - | - | -0.15 | 1.820 | 2.438 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -            | Front       | 0mm  | Ant 1 | DSI 6 | 132322        | 1745        | Open | 19.44 | 20.80 | 1.368 | - | - | 0.07  | 1.580 | 2.161 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -            | Front       | 0mm  | Ant 1 | DSI 6 | 132072        | 1720        | Open | 19.38 | 20.80 | 1.387 | - | - | 0.05  | 1.160 | 1.609 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -            | Front       | 0mm  | Ant 1 | DSI 6 | 132572        | 1770        | Open | 19.43 | 20.80 | 1.371 | - | - | -0.06 | 1.540 | 2.111 |
|     | LTE Band 66          | 20M | QPSK | 100 | 0  | -            | Front       | 0mm  | Ant 1 | DSI 6 | 132322        | 1745        | Open | 19.43 | 20.80 | 1.371 | - | - | 0.02  | 1.550 | 2.125 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Back        | 0mm  | Ant 1 | DSI 6 | 132322        | 1745        | Open | 19.62 | 20.80 | 1.312 | - | - | 0.14  | 1.510 | 1.981 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -            | Back        | 0mm  | Ant 1 | DSI 6 | 132322        | 1745        | Open | 19.44 | 20.80 | 1.368 | - | - | 0.05  | 1.090 | 1.491 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Left Side   | 0mm  | Ant 1 | DSI 6 | 132322        | 1745        | Open | 19.62 | 20.80 | 1.312 | - | - | 0.15  | 1.210 | 1.588 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -            | Left Side   | 0mm  | Ant 1 | DSI 6 | 132322        | 1745        | Open | 19.44 | 20.80 | 1.368 | - | - | 0.12  | 1.020 | 1.395 |
|     | LTE Band 66 Other PA | 20M | QPSK | 1   | 0  | -            | Front       | 0mm  | Ant 1 | DSI 6 | 132322        | 1745        | Open | 19.54 | 20.80 | 1.337 | - | - | 0.15  | 1.660 | 2.219 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Front       | 8mm  | Ant 1 | DSI 4 | 132322        | 1745        | Open | 23.02 | 24.00 | 1.253 | - | - | 0.02  | 0.562 | 0.704 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Back        | 8mm  | Ant 1 | DSI 4 | 132322        | 1745        | Open | 23.02 | 24.00 | 1.253 | - | - | 0.13  | 0.782 | 0.980 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Left Side   | 13mm | Ant 1 | DSI 4 | 132322        | 1745        | Open | 23.02 | 24.00 | 1.253 | - | - | 0.08  | 0.101 | 0.127 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Front       | 0mm  | Ant 2 | DSI 6 | 132322        | 1745        | Open | 21.93 | 23.00 | 1.279 | - | - | 0.08  | 1.430 | 1.830 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -            | Front       | 0mm  | Ant 2 | DSI 6 | 132322        | 1745        | Open | 21.85 | 23.00 | 1.303 | - | - | 0.02  | 1.230 | 1.603 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Back        | 0mm  | Ant 2 | DSI 6 | 132322        | 1745        | Open | 21.93 | 23.00 | 1.279 | - | - | 0.08  | 1.830 | 2.341 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Back        | 0mm  | Ant 2 | DSI 6 | 132072        | 1720        | Open | 21.89 | 23.00 | 1.291 | - | - | 0.05  | 1.790 | 2.311 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -            | Back        | 0mm  | Ant 2 | DSI 6 | 132572        | 1770        | Open | 21.76 | 23.00 | 1.330 | - | - | 0.03  | 1.950 | 2.594 |
|     | LTE Band 66C         | 20M | QPSK | 1   | 0  | -            | Back        | 0mm  | Ant 2 | DSI 6 | 132572+132374 | 1770+1750.2 | Open | 21.23 | 23.00 | 1.503 | - | - | 0.07  | 1.510 | 2.270 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -            | Back        | 0mm  | Ant 2 | DSI 6 | 132322        | 1745        | Open | 21.85 | 23.00 | 1.303 | - | - | 0.1   | 1.590 | 2.072 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -            | Back        | 0mm  | Ant 2 | DSI 6 | 132072        | 1720        | Open | 21.80 | 23.00 | 1.318 | - | - | 0.02  | 1.590 | 2.096 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -            | Back        | 0mm  | Ant 2 | DSI 6 | 132572        | 1770        | Open | 21.70 | 23.00 | 1.349 | - | - | 0.05  | 1.640 | 2.212 |



# FCC SAR Test Report

Report No. : FA340401-01

|     |                         |     |      |     |    |               |             |     |       |       |                   |                 |      |       |       |       |   |   |       |       |       |
|-----|-------------------------|-----|------|-----|----|---------------|-------------|-----|-------|-------|-------------------|-----------------|------|-------|-------|-------|---|---|-------|-------|-------|
|     | LTE Band 66             | 20M | QPSK | 100 | 0  | -             | Back        | 0mm | Ant 2 | DSI 6 | 132322            | 1745            | Open | 21.79 | 23.00 | 1.321 | - | - | 0.07  | 1.570 | 2.074 |
|     | LTE Band 66             | 20M | QPSK | 1   | 0  | -             | Bottom Side | 0mm | Ant 2 | DSI 6 | 132322            | 1745            | Open | 21.93 | 23.00 | 1.279 | - | - | 0.02  | 1.690 | 2.162 |
|     | LTE Band 66             | 20M | QPSK | 1   | 0  | -             | Bottom Side | 0mm | Ant 2 | DSI 6 | 132072            | 1720            | Open | 21.89 | 23.00 | 1.291 | - | - | -0.12 | 1.650 | 2.131 |
|     | LTE Band 66             | 20M | QPSK | 1   | 0  | -             | Bottom Side | 0mm | Ant 2 | DSI 6 | 132572            | 1770            | Open | 21.76 | 23.00 | 1.330 | - | - | -0.18 | 1.520 | 2.022 |
|     | LTE Band 66             | 20M | QPSK | 50  | 0  | -             | Bottom Side | 0mm | Ant 2 | DSI 6 | 132322            | 1745            | Open | 21.85 | 23.00 | 1.303 | - | - | 0.04  | 1.450 | 1.890 |
|     | LTE Band 66             | 20M | QPSK | 50  | 0  | -             | Bottom Side | 0mm | Ant 2 | DSI 6 | 132072            | 1720            | Open | 21.80 | 23.00 | 1.318 | - | - | -0.12 | 1.460 | 1.925 |
|     | LTE Band 66             | 20M | QPSK | 50  | 0  | -             | Bottom Side | 0mm | Ant 2 | DSI 6 | 132572            | 1770            | Open | 21.70 | 23.00 | 1.349 | - | - | 0.04  | 1.400 | 1.889 |
|     | LTE Band 66             | 20M | QPSK | 100 | 0  | -             | Bottom Side | 0mm | Ant 2 | DSI 6 | 132322            | 1745            | Open | 21.79 | 23.00 | 1.321 | - | - | 0.08  | 1.440 | 1.903 |
|     | LTE Band 66<br>Other PA | 20M | QPSK | 1   | 0  | -             | Back        | 0mm | Ant 2 | DSI 6 | 132572            | 1770            | Open | 23.03 | 24.00 | 1.250 | - | - | 0.06  | 1.290 | 1.613 |
|     | LTE Band 66             | 20M | QPSK | 1   | 0  | -             | Front       | 0mm | Ant 3 | DSI 6 | 132322            | 1745            | Open | 21.85 | 23.00 | 1.303 | - | - | -0.05 | 1.900 | 2.476 |
|     | LTE Band 66C            | 20M | QPSK | 1   | 99 | -             | Front       | 0mm | Ant 3 | DSI 6 | 132322+<br>132520 | 1745+<br>1764.8 | Open | 21.44 | 23.00 | 1.432 | - | - | 0.05  | 1.650 | 2.363 |
|     | LTE Band 66             | 20M | QPSK | 1   | 0  | -             | Front       | 0mm | Ant 3 | DSI 6 | 132072            | 1720            | Open | 21.62 | 23.00 | 1.374 | - | - | 0.13  | 1.750 | 2.405 |
|     | LTE Band 66             | 20M | QPSK | 1   | 0  | -             | Front       | 0mm | Ant 3 | DSI 6 | 132572            | 1770            | Open | 21.71 | 23.00 | 1.346 | - | - | 0.08  | 1.610 | 2.167 |
|     | LTE Band 66             | 20M | QPSK | 50  | 0  | -             | Front       | 0mm | Ant 3 | DSI 6 | 132322            | 1745            | Open | 21.76 | 23.00 | 1.330 | - | - | -0.17 | 1.650 | 2.195 |
|     | LTE Band 66             | 20M | QPSK | 50  | 0  | -             | Front       | 0mm | Ant 3 | DSI 6 | 132072            | 1720            | Open | 21.56 | 23.00 | 1.393 | - | - | 0.14  | 1.660 | 2.313 |
|     | LTE Band 66             | 20M | QPSK | 50  | 0  | -             | Front       | 0mm | Ant 3 | DSI 6 | 132572            | 1770            | Open | 21.63 | 23.00 | 1.371 | - | - | 0.06  | 1.490 | 2.043 |
|     | LTE Band 66             | 20M | QPSK | 100 | 0  | -             | Front       | 0mm | Ant 3 | DSI 6 | 132322            | 1745            | Open | 21.57 | 23.00 | 1.390 | - | - | 0.05  | 1.600 | 2.224 |
|     | LTE Band 66             | 20M | QPSK | 1   | 0  | -             | Back        | 0mm | Ant 3 | DSI 6 | 132322            | 1745            | Open | 21.85 | 23.00 | 1.303 | - | - | 0.17  | 1.690 | 2.202 |
|     | LTE Band 66             | 20M | QPSK | 1   | 0  | -             | Back        | 0mm | Ant 3 | DSI 6 | 132072            | 1720            | Open | 21.62 | 23.00 | 1.374 | - | - | 0.15  | 1.630 | 2.240 |
|     | LTE Band 66             | 20M | QPSK | 1   | 0  | -             | Back        | 0mm | Ant 3 | DSI 6 | 132572            | 1770            | Open | 21.71 | 23.00 | 1.346 | - | - | 0.08  | 1.270 | 1.709 |
|     | LTE Band 66             | 20M | QPSK | 50  | 0  | -             | Back        | 0mm | Ant 3 | DSI 6 | 132322            | 1745            | Open | 21.76 | 23.00 | 1.330 | - | - | -0.03 | 1.490 | 1.982 |
|     | LTE Band 66             | 20M | QPSK | 100 | 0  | -             | Back        | 0mm | Ant 3 | DSI 6 | 132322            | 1745            | Open | 21.57 | 23.00 | 1.390 | - | - | 0.07  | 1.460 | 2.029 |
|     | LTE Band 66             | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm | Ant 3 | DSI 6 | 132322            | 1745            | Open | 21.85 | 23.00 | 1.303 | - | - | 0.09  | 1.830 | 2.385 |
|     | LTE Band 66             | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm | Ant 3 | DSI 6 | 132072            | 1720            | Open | 21.62 | 23.00 | 1.374 | - | - | 0.09  | 1.270 | 1.745 |
|     | LTE Band 66             | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm | Ant 3 | DSI 6 | 132572            | 1770            | Open | 21.71 | 23.00 | 1.346 | - | - | 0.05  | 1.340 | 1.803 |
|     | LTE Band 66             | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm | Ant 3 | DSI 6 | 132322            | 1745            | Open | 21.76 | 23.00 | 1.330 | - | - | 0.06  | 1.540 | 2.049 |
|     | LTE Band 66             | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm | Ant 3 | DSI 6 | 132072            | 1720            | Open | 21.56 | 23.00 | 1.393 | - | - | 0.13  | 1.530 | 2.132 |
|     | LTE Band 66             | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm | Ant 3 | DSI 6 | 132572            | 1770            | Open | 21.63 | 23.00 | 1.371 | - | - | 0.13  | 1.610 | 2.207 |
|     | LTE Band 66             | 20M | QPSK | 100 | 0  | -             | Top Side    | 0mm | Ant 3 | DSI 6 | 132322            | 1745            | Open | 21.57 | 23.00 | 1.390 | - | - | 0.02  | 1.540 | 2.141 |
|     | LTE Band 66<br>Other PA | 20M | QPSK | 1   | 0  | -             | Front       | 0mm | Ant 3 | DSI 6 | 132322            | 1745            | Open | 21.83 | 23.00 | 1.309 | - | - | 0.09  | 1.520 | 1.990 |
|     | LTE Band 66             | 20M | QPSK | 1   | 0  | -             | Front       | 9mm | Ant 3 | DSI 4 | 132322            | 1745            | Open | 22.74 | 24.00 | 1.337 | - | - | 0.03  | 0.142 | 0.190 |
|     | LTE Band 66             | 20M | QPSK | 1   | 0  | -             | Back        | 4mm | Ant 3 | DSI 4 | 132322            | 1745            | Open | 22.74 | 24.00 | 1.337 | - | - | 0.12  | 0.511 | 0.683 |
|     | LTE Band 66             | 20M | QPSK | 1   | 0  | -             | Top Side    | 9mm | Ant 3 | DSI 4 | 132322            | 1745            | Open | 22.74 | 24.00 | 1.337 | - | - | 0.07  | 0.288 | 0.385 |
|     | FR1 n66                 | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm | Ant 0 | DSI 6 | 349000            | 1745            | Open | 23.04 | 24.00 | 1.247 | - | - | 0.05  | 1.670 | 2.083 |
|     | FR1 n66                 | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Front       | 0mm | Ant 0 | DSI 6 | 349000            | 1745            | Open | 23.03 | 24.00 | 1.250 | - | - | 0.02  | 1.780 | 2.225 |
|     | FR1 n66                 | 40M | QPSK | 216 | 0  | DFT-SCS-15KHz | Front       | 0mm | Ant 0 | DSI 6 | 349000            | 1745            | Open | 22.68 | 24.00 | 1.355 | - | - | 0.18  | 1.790 | 2.426 |
|     | FR1 n66                 | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm | Ant 0 | DSI 6 | 349000            | 1745            | Open | 23.04 | 24.00 | 1.247 | - | - | 0.03  | 2.170 | 2.707 |
|     | FR1 n66                 | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Back        | 0mm | Ant 0 | DSI 6 | 349000            | 1745            | Open | 23.03 | 24.00 | 1.250 | - | - | 0.04  | 2.300 | 2.876 |
|     | FR1 n66                 | 40M | QPSK | 216 | 0  | DFT-SCS-15KHz | Back        | 0mm | Ant 0 | DSI 6 | 349000            | 1745            | Open | 22.68 | 24.00 | 1.355 | - | - | 0.05  | 2.180 | 2.954 |
|     | FR1 n66                 | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Bottom Side | 0mm | Ant 0 | DSI 6 | 349000            | 1745            | Open | 23.04 | 24.00 | 1.247 | - | - | -0.09 | 2.340 | 2.919 |
| 114 | FR1 n66                 | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Bottom Side | 0mm | Ant 0 | DSI 6 | 349000            | 1745            | Open | 23.03 | 24.00 | 1.250 | - | - | -0.04 | 2.480 | 3.101 |
|     | FR1 n66                 | 40M | QPSK | 216 | 0  | DFT-SCS-15KHz | Bottom Side | 0mm | Ant 0 | DSI 6 | 349000            | 1745            | Open | 22.68 | 24.00 | 1.355 | - | - | 0.15  | 2.210 | 2.995 |
|     | FR1 n66 Main PA         | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Bottom Side | 0mm | Ant 0 | DSI 6 | 349000            | 1745            | Open | 22.43 | 23.00 | 1.140 | - | - | 0.12  | 1.270 | 1.448 |
|     | FR1 n66                 | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm | Ant 1 | DSI 6 | 349000            | 1745            | Open | 20.63 | 21.50 | 1.222 | - | - | 0.06  | 1.720 | 2.101 |
|     | FR1 n66                 | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Front       | 0mm | Ant 1 | DSI 6 | 349000            | 1745            | Open | 20.44 | 21.50 | 1.276 | - | - | 0.09  | 1.920 | 2.451 |
|     | FR1 n66                 | 40M | QPSK | 216 | 0  | DFT-SCS-15KHz | Front       | 0mm | Ant 1 | DSI 6 | 349000            | 1745            | Open | 20.42 | 21.50 | 1.282 | - | - | 0.01  | 1.810 | 2.321 |
|     | FR1 n66                 | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm | Ant 1 | DSI 6 | 349000            | 1745            | Open | 20.63 | 21.50 | 1.222 | - | - | 0.14  | 1.360 | 1.662 |
|     | FR1 n66                 | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Back        | 0mm | Ant 1 | DSI 6 | 349000            | 1745            | Open | 20.44 | 21.50 | 1.276 | - | - | 0.14  | 1.520 | 1.940 |
|     | FR1 n66                 | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Left Side   | 0mm | Ant 1 | DSI 6 | 349000            | 1745            | Open | 20.63 | 21.50 | 1.222 | - | - | -0.13 | 0.970 | 1.185 |
|     | FR1 n66                 | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Left Side   | 0mm | Ant 1 | DSI 6 | 349000            | 1745            | Open | 20.44 | 21.50 | 1.276 | - | - | -0.1  | 0.910 | 1.162 |
|     | FR1 n66 Main PA         | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Front       | 0mm | Ant 1 | DSI 6 | 349000            | 1745            | Open | 20.42 | 21.50 | 1.282 | - | - | -0.14 | 1.350 | 1.731 |
|     | FR1 n66                 | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 8mm | Ant 1 | DSI 4 | 349000            | 1745            | Open | 23.08 | 24.00 | 1.236 | - | - | 0.01  | 0.687 | 0.849 |
|     | FR1 n66                 | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Front       | 8mm | Ant 1 | DSI 4 | 349000            | 1745            | Open | 22.98 | 24.00 | 1.265 | - | - | 0.03  | 0.712 | 0.900 |
|     | FR1 n66                 | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 8mm | Ant 1 | DSI 4 | 349000            | 1745            | Open | 23.08 | 24.00 | 1.236 | - | - | 0.03  | 0.701 | 0.866 |
|     | FR1 n66                 | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Back        | 8mm | Ant 1 | DSI 4 | 349000            | 1745            | Open | 22.98 | 24.00 | 1.265 | - | - | 0.04  | 0.722 | 0.913 |



# FCC SAR Test Report

Report No. : FA340401-01

|         |                 |     |      |     |    |                   |             |      |       |       |        |        |      |       |       |       |   |   |       |       |       |
|---------|-----------------|-----|------|-----|----|-------------------|-------------|------|-------|-------|--------|--------|------|-------|-------|-------|---|---|-------|-------|-------|
|         | FR1 n66         | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Left Side   | 13mm | Ant 1 | DSI 4 | 349000 | 1745   | Open | 23.08 | 24.00 | 1.236 | - | - | -0.07 | 0.645 | 0.797 |
|         | FR1 n66         | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Front       | 0mm  | Ant 2 | DSI 6 | 349000 | 1745   | Open | 23.03 | 24.00 | 1.250 | - | - | -0.18 | 1.840 | 2.300 |
|         | FR1 n66         | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz     | Front       | 0mm  | Ant 2 | DSI 6 | 349000 | 1745   | Open | 22.92 | 24.00 | 1.282 | - | - | 0.06  | 1.750 | 2.244 |
|         | FR1 n66         | 40M | QPSK | 216 | 0  | DFT-SCS-15KHz     | Front       | 0mm  | Ant 2 | DSI 6 | 349000 | 1745   | Open | 22.86 | 24.00 | 1.300 | - | - | 0.01  | 1.530 | 1.989 |
|         | FR1 n66         | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Back        | 0mm  | Ant 2 | DSI 6 | 349000 | 1745   | Open | 23.03 | 24.00 | 1.250 | - | - | 0.09  | 2.250 | 2.813 |
|         | FR1 n66         | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz     | Back        | 0mm  | Ant 2 | DSI 6 | 349000 | 1745   | Open | 22.92 | 24.00 | 1.282 | - | - | -0.07 | 2.120 | 2.719 |
|         | FR1 n66         | 40M | QPSK | 216 | 0  | DFT-SCS-15KHz     | Back        | 0mm  | Ant 2 | DSI 6 | 349000 | 1745   | Open | 22.86 | 24.00 | 1.300 | - | - | 0.03  | 1.960 | 2.548 |
|         | FR1 n66         | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Bottom Side | 0mm  | Ant 2 | DSI 6 | 349000 | 1745   | Open | 23.03 | 24.00 | 1.250 | - | - | -0.18 | 1.810 | 2.263 |
|         | FR1 n66         | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz     | Bottom Side | 0mm  | Ant 2 | DSI 6 | 349000 | 1745   | Open | 22.92 | 24.00 | 1.282 | - | - | 0.07  | 1.890 | 2.424 |
|         | FR1 n66         | 40M | QPSK | 216 | 0  | DFT-SCS-15KHz     | Bottom Side | 0mm  | Ant 2 | DSI 6 | 349000 | 1745   | Open | 22.86 | 24.00 | 1.300 | - | - | 0.03  | 1.680 | 2.184 |
|         | FR1 n66 Main PA | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Back        | 0mm  | Ant 2 | DSI 6 | 349000 | 1745   | Open | 22.14 | 24.00 | 1.535 | - | - | -0.13 | 1.350 | 2.072 |
|         | FR1 n66         | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Top Side    | 0mm  | Ant 3 | DSI 6 | 349000 | 1745   | Open | 21.57 | 22.60 | 1.268 | - | - | -0.18 | 1.940 | 2.459 |
|         | FR1 n66         | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz     | Top Side    | 0mm  | Ant 3 | DSI 6 | 349000 | 1745   | Open | 21.45 | 22.60 | 1.303 | - | - | 0.01  | 1.880 | 2.450 |
|         | FR1 n66         | 40M | QPSK | 216 | 0  | DFT-SCS-15KHz     | Top Side    | 0mm  | Ant 3 | DSI 6 | 349000 | 1745   | Open | 21.38 | 22.60 | 1.324 | - | - | -0.12 | 1.750 | 2.318 |
|         | FR1 n66 Main PA | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz     | Top Side    | 0mm  | Ant 3 | DSI 6 | 349000 | 1745   | Open | 21.35 | 22.60 | 1.334 | - | - | 0.06  | 1.070 | 1.427 |
|         | FR1 n66         | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Top Side    | 9mm  | Ant 3 | DSI 4 | 349000 | 1745   | Open | 23.10 | 24.00 | 1.230 | - | - | 0.06  | 0.555 | 0.683 |
|         | FR1 n70         | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Bottom Side | 0mm  | Ant 0 | DSI 6 | 340500 | 1702.5 | Open | 21.91 | 23.00 | 1.285 | - | - | 0.01  | 1.260 | 1.619 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Bottom Side | 0mm  | Ant 0 | DSI 6 | 340500 | 1702.5 | Open | 21.81 | 23.00 | 1.315 | - | - | 0.01  | 1.500 | 1.973 |
|         | FR1 n70         | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Front       | 0mm  | Ant 1 | DSI 6 | 340500 | 1702.5 | Open | 20.13 | 21.10 | 1.250 | - | - | 0.17  | 1.400 | 1.750 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Front       | 0mm  | Ant 1 | DSI 6 | 340500 | 1702.5 | Open | 20.02 | 21.10 | 1.282 | - | - | 0.08  | 1.880 | 2.411 |
|         | FR1 n70         | 15M | QPSK | 75  | 0  | DFT-SCS-15KHz     | Front       | 0mm  | Ant 1 | DSI 6 | 340500 | 1702.5 | Open | 20.01 | 21.10 | 1.285 | - | - | 0.17  | 1.730 | 2.224 |
|         | FR1 n70         | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Left Side   | 0mm  | Ant 1 | DSI 6 | 340500 | 1702.5 | Open | 20.13 | 21.10 | 1.250 | - | - | -0.11 | 1.560 | 1.950 |
| 115     | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Left Side   | 0mm  | Ant 1 | DSI 6 | 340500 | 1702.5 | Open | 20.02 | 21.10 | 1.282 | - | - | 0.09  | 1.930 | 2.475 |
|         | FR1 n70         | 15M | QPSK | 75  | 0  | DFT-SCS-15KHz     | Left Side   | 0mm  | Ant 1 | DSI 6 | 340500 | 1702.5 | Open | 20.01 | 21.10 | 1.285 | - | - | 0.07  | 1.540 | 1.979 |
|         | FR1 n70         | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Front       | 8mm  | Ant 1 | DSI 4 | 340500 | 1702.5 | Open | 21.16 | 22.00 | 1.213 | - | - | 0.06  | 0.655 | 0.795 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Front       | 8mm  | Ant 1 | DSI 4 | 340500 | 1702.5 | Open | 21.06 | 22.00 | 1.242 | - | - | 0.01  | 0.684 | 0.849 |
|         | FR1 n70         | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Left Side   | 13mm | Ant 1 | DSI 4 | 340500 | 1702.5 | Open | 21.16 | 22.00 | 1.213 | - | - | 0.06  | 0.692 | 0.840 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Left Side   | 13mm | Ant 1 | DSI 4 | 340500 | 1702.5 | Open | 21.06 | 22.00 | 1.242 | - | - | -0.11 | 0.701 | 0.870 |
|         | FR1 n70         | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Back        | 0mm  | Ant 2 | DSI 6 | 340500 | 1702.5 | Open | 22.29 | 23.00 | 1.178 | - | - | 0.13  | 1.430 | 1.684 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Back        | 0mm  | Ant 2 | DSI 6 | 340500 | 1702.5 | Open | 22.23 | 23.00 | 1.194 | - | - | 0.01  | 1.710 | 2.042 |
|         | FR1 n70         | 15M | QPSK | 75  | 0  | DFT-SCS-15KHz     | Back        | 0mm  | Ant 2 | DSI 6 | 340500 | 1702.5 | Open | 22.20 | 23.00 | 1.202 | - | - | 0.05  | 1.550 | 1.864 |
|         | FR1 n70         | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Bottom Side | 0mm  | Ant 2 | DSI 6 | 340500 | 1702.5 | Open | 22.29 | 23.00 | 1.178 | - | - | 0.06  | 1.150 | 1.354 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Bottom Side | 0mm  | Ant 2 | DSI 6 | 340500 | 1702.5 | Open | 22.23 | 23.00 | 1.194 | - | - | 0.13  | 1.560 | 1.863 |
|         | FR1 n70         | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Top Side    | 0mm  | Ant 3 | DSI 6 | 340500 | 1702.5 | Open | 21.76 | 22.60 | 1.213 | - | - | -0.15 | 1.350 | 1.638 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Top Side    | 0mm  | Ant 3 | DSI 6 | 340500 | 1702.5 | Open | 21.58 | 22.60 | 1.265 | - | - | 0.07  | 1.940 | 2.454 |
|         | FR1 n70         | 15M | QPSK | 75  | 0  | DFT-SCS-15KHz     | Top Side    | 0mm  | Ant 3 | DSI 6 | 340500 | 1702.5 | Open | 21.54 | 22.60 | 1.276 | - | - | 0.05  | 1.920 | 2.451 |
|         | FR1 n70         | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Top Side    | 9mm  | Ant 3 | DSI 4 | 340500 | 1702.5 | Open | 23.23 | 24.00 | 1.194 | - | - | 0.03  | 0.456 | 0.544 |
|         | FR1 n70         | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Top Side    | 9mm  | Ant 3 | DSI 4 | 340500 | 1702.5 | Open | 23.13 | 24.00 | 1.222 | - | - | -0.02 | 0.502 | 0.613 |
| 1900MHz |                 |     |      |     |    |                   |             |      |       |       |        |        |      |       |       |       |   |   |       |       |       |
|         | GSM1900         | -   | -    | -   | -  | GPRS (3 Tx slots) | Front       | 0mm  | Ant 0 | DSI 6 | 661    | 1880   | Open | 26.21 | 27.00 | 1.199 | - | - | 0.02  | 1.070 | 1.283 |
|         | GSM1900         | -   | -    | -   | -  | GPRS (3 Tx slots) | Back        | 0mm  | Ant 0 | DSI 6 | 661    | 1880   | Open | 26.21 | 27.00 | 1.199 | - | - | 0.06  | 1.540 | 1.847 |
|         | GSM1900         | -   | -    | -   | -  | GPRS (3 Tx slots) | Bottom Side | 0mm  | Ant 0 | DSI 6 | 661    | 1880   | Open | 26.21 | 27.00 | 1.199 | - | - | 0.02  | 1.430 | 1.715 |
|         | GSM1900         | -   | -    | -   | -  | GPRS (3 Tx slots) | Front       | 0mm  | Ant 1 | DSI 6 | 661    | 1880   | Open | 25.69 | 26.50 | 1.205 | - | - | -0.11 | 1.630 | 1.964 |
|         | GSM1900         | -   | -    | -   | -  | GPRS (3 Tx slots) | Front       | 0mm  | Ant 1 | DSI 6 | 512    | 1850.2 | Open | 25.65 | 26.50 | 1.216 | - | - | 0.04  | 1.800 | 2.189 |
|         | GSM1900         | -   | -    | -   | -  | GPRS (3 Tx slots) | Front       | 0mm  | Ant 1 | DSI 6 | 810    | 1909.8 | Open | 25.43 | 26.50 | 1.279 | - | - | 0.08  | 1.640 | 2.098 |
|         | GSM1900         | -   | -    | -   | -  | GPRS (3 Tx slots) | Back        | 0mm  | Ant 1 | DSI 6 | 661    | 1880   | Open | 25.69 | 26.50 | 1.205 | - | - | -0.02 | 1.700 | 2.049 |
|         | GSM1900         | -   | -    | -   | -  | GPRS (3 Tx slots) | Back        | 0mm  | Ant 1 | DSI 6 | 512    | 1850.2 | Open | 25.65 | 26.50 | 1.216 | - | - | 0.03  | 1.380 | 1.678 |
|         | GSM1900         | -   | -    | -   | -  | GPRS (3 Tx slots) | Back        | 0mm  | Ant 1 | DSI 6 | 810    | 1909.8 | Open | 25.43 | 26.50 | 1.279 | - | - | 0.04  | 1.580 | 2.021 |
|         | GSM1900         | -   | -    | -   | -  | GPRS (3 Tx slots) | Left Side   | 0mm  | Ant 1 | DSI 6 | 661    | 1880   | Open | 25.69 | 26.50 | 1.205 | - | - | -0.03 | 0.640 | 0.771 |
| 116     | GSM1900         | -   | -    | -   | -  | GPRS (3 Tx slots) | Front       | 0mm  | Ant 3 | DSI 6 | 661    | 1880   | Open | 27.12 | 28.30 | 1.312 | - | - | -0.07 | 1.880 | 2.467 |
|         | GSM1900         | -   | -    | -   | -  | GPRS (3 Tx slots) | Front       | 0mm  | Ant 3 | DSI 6 | 512    | 1850.2 | Open | 27.05 | 28.30 | 1.334 | - | - | 0.06  | 1.450 | 1.934 |
|         | GSM1900         | -   | -    | -   | -  | GPRS (3 Tx slots) | Front       | 0mm  | Ant 3 | DSI 6 | 810    | 1909.8 | Open | 27.08 | 28.30 | 1.324 | - | - | 0.08  | 1.760 | 2.331 |
|         | GSM1900         | -   | -    | -   | -  | GPRS (3 Tx slots) | Back        | 0mm  | Ant 3 | DSI 6 | 661    | 1880   | Open | 27.12 | 28.30 | 1.312 | - | - | 0.1   | 1.370 | 1.798 |
|         | GSM1900         | -   | -    | -   | -  | GPRS (3 Tx slots) | Top Side    | 0mm  | Ant 3 | DSI 6 | 661    | 1880   | Open | 27.12 | 28.30 | 1.312 | - | - | 0.02  | 1.730 | 2.270 |
|         | GSM1900         | -   | -    | -   | -  | GPRS (3 Tx slots) | Top Side    | 0mm  | Ant 3 | DSI 6 | 512    | 1850.2 | Open | 27.05 | 28.30 | 1.334 | - | - | 0.09  | 1.710 | 2.280 |
|         | GSM1900         | -   | -    | -   | -  | GPRS (3 Tx slots) | Top Side    | 0mm  | Ant 3 | DSI 6 | 810    | 1909.8 | Open | 27.08 | 28.30 | 1.324 | - | - | 0.06  | 1.830 | 2.424 |



# FCC SAR Test Report

Report No. : FA340401-01

|     |                        |     |      |     |   |                   |             |      |       |       |       |        |      |       |       |       |   |   |       |       |       |
|-----|------------------------|-----|------|-----|---|-------------------|-------------|------|-------|-------|-------|--------|------|-------|-------|-------|---|---|-------|-------|-------|
|     | GSM1900                | -   | -    | -   | - | GPRS (3 Tx slots) | Front       | 9mm  | Ant 3 | DSI 4 | 661   | 1880   | Open | 27.12 | 28.50 | 1.374 | - | - | 0.03  | 0.546 | 0.750 |
|     | GSM1900                | -   | -    | -   | - | GPRS (3 Tx slots) | Back        | 4mm  | Ant 3 | DSI 4 | 661   | 1880   | Open | 27.12 | 28.50 | 1.374 | - | - | 0.02  | 0.895 | 1.230 |
|     | GSM1900                | -   | -    | -   | - | GPRS (3 Tx slots) | Top Side    | 9mm  | Ant 3 | DSI 4 | 661   | 1880   | Open | 27.12 | 28.50 | 1.374 | - | - | 0.01  | 0.350 | 0.481 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Front       | 0mm  | Ant 0 | DSI 6 | 9400  | 1880   | Open | 20.82 | 22.20 | 1.374 | - | - | 0.01  | 1.390 | 1.910 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Back        | 0mm  | Ant 0 | DSI 6 | 9400  | 1880   | Open | 20.82 | 22.20 | 1.374 | - | - | -0.07 | 2.020 | 2.776 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Back        | 0mm  | Ant 0 | DSI 6 | 9262  | 1852.4 | Open | 20.62 | 22.20 | 1.439 | - | - | 0.1   | 1.710 | 2.460 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Back        | 0mm  | Ant 0 | DSI 6 | 9538  | 1907.6 | Open | 20.75 | 22.20 | 1.396 | - | - | 0.05  | 2.020 | 2.821 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Bottom Side | 0mm  | Ant 0 | DSI 6 | 9400  | 1880   | Open | 20.82 | 22.20 | 1.374 | - | - | 0.01  | 2.210 | 3.037 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Bottom Side | 0mm  | Ant 0 | DSI 6 | 9262  | 1852.4 | Open | 20.62 | 22.20 | 1.439 | - | - | -0.13 | 1.990 | 2.863 |
| 117 | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Bottom Side | 0mm  | Ant 0 | DSI 6 | 9538  | 1907.6 | Open | 20.75 | 22.20 | 1.396 | - | - | 0.08  | 2.280 | 3.184 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Front       | 9mm  | Ant 0 | DSI 4 | 9400  | 1880   | Open | 22.82 | 24.00 | 1.312 | - | - | 0.02  | 0.425 | 0.558 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Back        | 6mm  | Ant 0 | DSI 4 | 9400  | 1880   | Open | 22.82 | 24.00 | 1.312 | - | - | -0.13 | 0.562 | 0.737 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Bottom Side | 11mm | Ant 0 | DSI 4 | 9400  | 1880   | Open | 22.82 | 24.00 | 1.312 | - | - | 0.01  | 0.402 | 0.528 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Front       | 0mm  | Ant 1 | DSI 6 | 9400  | 1880   | Open | 21.66 | 22.70 | 1.271 | - | - | 0.07  | 1.630 | 2.071 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Front       | 0mm  | Ant 1 | DSI 6 | 9262  | 1852.4 | Open | 21.58 | 22.70 | 1.294 | - | - | 0.12  | 1.910 | 2.472 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Front       | 0mm  | Ant 1 | DSI 6 | 9538  | 1907.6 | Open | 21.46 | 22.70 | 1.330 | - | - | 0.03  | 1.770 | 2.355 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Back        | 0mm  | Ant 1 | DSI 6 | 9400  | 1880   | Open | 21.66 | 22.70 | 1.271 | - | - | 0.09  | 1.840 | 2.338 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Back        | 0mm  | Ant 1 | DSI 6 | 9262  | 1852.4 | Open | 21.58 | 22.70 | 1.294 | - | - | 0.03  | 1.710 | 2.213 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Back        | 0mm  | Ant 1 | DSI 6 | 9538  | 1907.6 | Open | 21.46 | 22.70 | 1.330 | - | - | 0.03  | 1.400 | 1.863 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Left Side   | 0mm  | Ant 1 | DSI 6 | 9400  | 1880   | Open | 21.66 | 22.70 | 1.271 | - | - | 0.09  | 0.665 | 0.845 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Front       | 8mm  | Ant 1 | DSI 4 | 9400  | 1880   | Open | 22.49 | 24.00 | 1.416 | - | - | 0.01  | 0.412 | 0.583 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Back        | 8mm  | Ant 1 | DSI 4 | 9400  | 1880   | Open | 22.49 | 24.00 | 1.416 | - | - | -0.06 | 0.455 | 0.644 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Left Side   | 13mm | Ant 1 | DSI 4 | 9400  | 1880   | Open | 22.49 | 24.00 | 1.416 | - | - | 0.02  | 0.566 | 0.801 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Front       | 0mm  | Ant 2 | DSI 6 | 9400  | 1880   | Open | 23.27 | 24.00 | 1.183 | - | - | -0.15 | 1.540 | 1.822 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Back        | 0mm  | Ant 2 | DSI 6 | 9400  | 1880   | Open | 23.27 | 24.00 | 1.183 | - | - | -0.1  | 1.930 | 2.283 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Back        | 0mm  | Ant 2 | DSI 6 | 9262  | 1852.4 | Open | 23.16 | 24.00 | 1.213 | - | - | 0.03  | 1.960 | 2.378 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Back        | 0mm  | Ant 2 | DSI 6 | 9538  | 1907.6 | Open | 23.24 | 24.00 | 1.191 | - | - | 0.06  | 2.010 | 2.394 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Bottom Side | 0mm  | Ant 2 | DSI 6 | 9400  | 1880   | Open | 23.27 | 24.00 | 1.183 | - | - | 0.11  | 1.490 | 1.763 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Front       | 0mm  | Ant 3 | DSI 6 | 9400  | 1880   | Open | 22.25 | 23.40 | 1.303 | - | - | 0.03  | 1.760 | 2.294 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Front       | 0mm  | Ant 3 | DSI 6 | 9262  | 1852.4 | Open | 22.03 | 23.40 | 1.371 | - | - | 0.09  | 1.750 | 2.399 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Front       | 0mm  | Ant 3 | DSI 6 | 9538  | 1907.6 | Open | 22.17 | 23.40 | 1.327 | - | - | 0.02  | 1.840 | 2.442 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Back        | 0mm  | Ant 3 | DSI 6 | 9400  | 1880   | Open | 22.25 | 23.40 | 1.303 | - | - | 0.18  | 1.470 | 1.916 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Top Side    | 0mm  | Ant 3 | DSI 6 | 9400  | 1880   | Open | 22.25 | 23.40 | 1.303 | - | - | -0.09 | 1.740 | 2.268 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Top Side    | 0mm  | Ant 3 | DSI 6 | 9262  | 1852.4 | Open | 22.03 | 23.40 | 1.371 | - | - | 0.03  | 1.690 | 2.317 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Top Side    | 0mm  | Ant 3 | DSI 6 | 9538  | 1907.6 | Open | 22.17 | 23.40 | 1.327 | - | - | 0.04  | 1.570 | 2.084 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Front       | 9mm  | Ant 3 | DSI 4 | 9400  | 1880   | Open | 24.00 | 25.00 | 1.259 | - | - | 0.02  | 0.255 | 0.321 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Back        | 4mm  | Ant 3 | DSI 4 | 9400  | 1880   | Open | 24.00 | 25.00 | 1.259 | - | - | -0.11 | 0.512 | 0.645 |
|     | WCDMA II               | -   | -    | -   | - | RMC 12.2Kbps      | Top Side    | 9mm  | Ant 3 | DSI 4 | 9400  | 1880   | Open | 24.00 | 25.00 | 1.259 | - | - | 0.05  | 0.413 | 0.520 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0 | -                 | Front       | 0mm  | Ant 0 | DSI 6 | 26340 | 1880   | Open | 23.45 | 24.00 | 1.135 | - | - | -0.05 | 1.860 | 2.111 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0 | -                 | Front       | 0mm  | Ant 0 | DSI 6 | 26140 | 1860   | Open | 23.35 | 24.00 | 1.161 | - | - | 0.12  | 1.560 | 1.812 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0 | -                 | Front       | 0mm  | Ant 0 | DSI 6 | 26590 | 1905   | Open | 23.41 | 24.00 | 1.146 | - | - | 0.08  | 1.600 | 1.833 |
|     | LTE Band 25            | 20M | QPSK | 50  | 0 | -                 | Front       | 0mm  | Ant 0 | DSI 6 | 26340 | 1880   | Open | 23.37 | 24.00 | 1.156 | - | - | -0.02 | 1.590 | 1.838 |
|     | LTE Band 25            | 20M | QPSK | 100 | 0 | -                 | Front       | 0mm  | Ant 0 | DSI 6 | 26340 | 1880   | Open | 23.32 | 24.00 | 1.169 | - | - | 0.04  | 1.600 | 1.871 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0 | -                 | Back        | 0mm  | Ant 0 | DSI 6 | 26340 | 1880   | Open | 23.45 | 24.00 | 1.135 | - | - | 0.18  | 2.300 | 2.611 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0 | -                 | Back        | 0mm  | Ant 0 | DSI 6 | 26140 | 1860   | Open | 23.35 | 24.00 | 1.161 | - | - | 0.03  | 2.010 | 2.335 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0 | -                 | Back        | 0mm  | Ant 0 | DSI 6 | 26590 | 1905   | Open | 23.41 | 24.00 | 1.146 | - | - | -0.05 | 2.170 | 2.486 |
|     | LTE Band 25            | 20M | QPSK | 50  | 0 | -                 | Back        | 0mm  | Ant 0 | DSI 6 | 26340 | 1880   | Open | 23.37 | 24.00 | 1.156 | - | - | -0.15 | 2.120 | 2.451 |
|     | LTE Band 25            | 20M | QPSK | 50  | 0 | -                 | Back        | 0mm  | Ant 0 | DSI 6 | 26140 | 1860   | Open | 23.31 | 24.00 | 1.172 | - | - | 0.03  | 1.100 | 1.289 |
|     | LTE Band 25            | 20M | QPSK | 50  | 0 | -                 | Back        | 0mm  | Ant 0 | DSI 6 | 26590 | 1905   | Open | 23.26 | 24.00 | 1.186 | - | - | -0.09 | 1.820 | 2.158 |
|     | LTE Band 25            | 20M | QPSK | 100 | 0 | -                 | Back        | 0mm  | Ant 0 | DSI 6 | 26340 | 1880   | Open | 23.32 | 24.00 | 1.169 | - | - | 0.01  | 2.070 | 2.421 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0 | -                 | Bottom Side | 0mm  | Ant 0 | DSI 6 | 26340 | 1880   | Open | 23.45 | 24.00 | 1.135 | - | - | 0.03  | 1.970 | 2.236 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0 | -                 | Bottom Side | 0mm  | Ant 0 | DSI 6 | 26140 | 1860   | Open | 23.35 | 24.00 | 1.161 | - | - | -0.13 | 1.570 | 1.823 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0 | -                 | Bottom Side | 0mm  | Ant 0 | DSI 6 | 26590 | 1905   | Open | 23.41 | 24.00 | 1.146 | - | - | 0.01  | 1.910 | 2.188 |
|     | LTE Band 25            | 20M | QPSK | 50  | 0 | -                 | Bottom Side | 0mm  | Ant 0 | DSI 6 | 26340 | 1880   | Open | 23.37 | 24.00 | 1.156 | - | - | -0.13 | 1.620 | 1.873 |
|     | LTE Band 25            | 20M | QPSK | 100 | 0 | -                 | Bottom Side | 0mm  | Ant 0 | DSI 6 | 26340 | 1880   | Open | 23.32 | 24.00 | 1.169 | - | - | 0.04  | 1.780 | 2.082 |
|     | LTE Band 2<br>Other PA | 20M | QPSK | 1   | 0 | -                 | Back        | 0mm  | Ant 0 | DSI 6 | 18900 | 1880   | Open | 23.32 | 24.00 | 1.169 | - | - | 0.01  | 2.050 | 2.397 |



# FCC SAR Test Report

Report No. : FA340401-01

|     |                        |     |      |     |    |               |             |      |       |       |        |        |      |       |       |       |   |   |       |       |       |
|-----|------------------------|-----|------|-----|----|---------------|-------------|------|-------|-------|--------|--------|------|-------|-------|-------|---|---|-------|-------|-------|
|     | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 1 | DSI 6 | 26340  | 1880   | Open | 20.96 | 22.10 | 1.300 | - | - | 0     | 1.880 | 2.444 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 1 | DSI 6 | 26140  | 1860   | Open | 20.81 | 22.10 | 1.346 | - | - | 0.13  | 1.760 | 2.369 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 1 | DSI 6 | 26590  | 1905   | Open | 20.78 | 22.10 | 1.355 | - | - | 0.01  | 1.390 | 1.884 |
|     | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Front       | 0mm  | Ant 1 | DSI 6 | 26340  | 1880   | Open | 20.91 | 22.10 | 1.315 | - | - | 0.06  | 1.620 | 2.131 |
|     | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Front       | 0mm  | Ant 1 | DSI 6 | 26140  | 1860   | Open | 20.88 | 22.10 | 1.324 | - | - | 0.09  | 1.480 | 1.960 |
|     | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Front       | 0mm  | Ant 1 | DSI 6 | 26590  | 1905   | Open | 20.81 | 22.10 | 1.346 | - | - | 0.03  | 1.190 | 1.602 |
|     | LTE Band 25            | 20M | QPSK | 100 | 0  | -             | Front       | 0mm  | Ant 1 | DSI 6 | 26340  | 1880   | Open | 20.82 | 22.10 | 1.343 | - | - | 0.03  | 1.610 | 2.162 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 1 | DSI 6 | 26340  | 1880   | Open | 20.96 | 22.10 | 1.300 | - | - | 0.18  | 1.550 | 2.015 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 1 | DSI 6 | 26140  | 1860   | Open | 20.81 | 22.10 | 1.346 | - | - | 0.09  | 1.810 | 2.436 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 1 | DSI 6 | 26590  | 1905   | Open | 20.78 | 22.10 | 1.355 | - | - | -0.05 | 1.510 | 2.046 |
|     | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 1 | DSI 6 | 26340  | 1880   | Open | 20.91 | 22.10 | 1.315 | - | - | 0.16  | 1.720 | 2.262 |
|     | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 1 | DSI 6 | 26140  | 1860   | Open | 20.88 | 22.10 | 1.324 | - | - | 0.08  | 1.570 | 2.079 |
|     | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 1 | DSI 6 | 26590  | 1905   | Open | 20.81 | 22.10 | 1.346 | - | - | 0.06  | 1.280 | 1.723 |
|     | LTE Band 25            | 20M | QPSK | 100 | 0  | -             | Back        | 0mm  | Ant 1 | DSI 6 | 26340  | 1880   | Open | 20.82 | 22.10 | 1.343 | - | - | 0.07  | 1.690 | 2.269 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Left Side   | 0mm  | Ant 1 | DSI 6 | 26340  | 1880   | Open | 20.96 | 22.10 | 1.300 | - | - | 0.16  | 1.510 | 1.963 |
|     | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Left Side   | 0mm  | Ant 1 | DSI 6 | 26340  | 1880   | Open | 20.91 | 22.10 | 1.315 | - | - | 0.03  | 0.644 | 0.847 |
|     | LTE Band 2<br>Other PA | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 1 | DSI 6 | 18900  | 1880   | Open | 20.59 | 22.10 | 1.416 | - | - | 0.04  | 1.450 | 2.053 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Front       | 8mm  | Ant 1 | DSI 4 | 26340  | 1880   | Open | 20.82 | 22.10 | 1.343 | - | - | 0.02  | 0.402 | 0.540 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Back        | 8mm  | Ant 1 | DSI 4 | 26340  | 1880   | Open | 20.82 | 22.10 | 1.343 | - | - | 0.14  | 0.275 | 0.369 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Left Side   | 13mm | Ant 1 | DSI 4 | 26340  | 1880   | Open | 20.82 | 22.10 | 1.343 | - | - | 0.09  | 0.412 | 0.553 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 2 | DSI 6 | 26340  | 1880   | Open | 21.84 | 23.50 | 1.466 | - | - | -0.1  | 1.600 | 2.345 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 2 | DSI 6 | 26140  | 1860   | Open | 21.78 | 23.50 | 1.486 | - | - | -0.1  | 1.540 | 2.288 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 2 | DSI 6 | 26590  | 1905   | Open | 21.70 | 23.50 | 1.514 | - | - | 0.03  | 1.540 | 2.331 |
|     | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Front       | 0mm  | Ant 2 | DSI 6 | 26340  | 1880   | Open | 21.77 | 23.50 | 1.489 | - | - | 0.02  | 1.410 | 2.100 |
|     | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Front       | 0mm  | Ant 2 | DSI 6 | 26140  | 1860   | Open | 21.72 | 23.50 | 1.507 | - | - | -0.01 | 1.490 | 2.245 |
|     | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Front       | 0mm  | Ant 2 | DSI 6 | 26590  | 1905   | Open | 21.64 | 23.50 | 1.535 | - | - | -0.12 | 1.370 | 2.102 |
|     | LTE Band 25            | 20M | QPSK | 100 | 0  | -             | Front       | 0mm  | Ant 2 | DSI 6 | 26340  | 1880   | Open | 21.71 | 23.50 | 1.510 | - | - | 0.05  | 1.370 | 2.069 |
| 118 | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 2 | DSI 6 | 26340  | 1880   | Open | 21.84 | 23.50 | 1.466 | - | - | 0.04  | 2.090 | 3.063 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 2 | DSI 6 | 26140  | 1860   | Open | 21.78 | 23.50 | 1.486 | - | - | -0.03 | 1.420 | 2.110 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 2 | DSI 6 | 26590  | 1905   | Open | 21.70 | 23.50 | 1.514 | - | - | 0.07  | 1.510 | 2.285 |
|     | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 2 | DSI 6 | 26340  | 1880   | Open | 21.77 | 23.50 | 1.489 | - | - | 0.05  | 1.840 | 2.740 |
|     | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 2 | DSI 6 | 26140  | 1860   | Open | 21.72 | 23.50 | 1.507 | - | - | 0.09  | 1.940 | 2.923 |
|     | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 2 | DSI 6 | 26590  | 1905   | Open | 21.64 | 23.50 | 1.535 | - | - | 0.04  | 1.790 | 2.747 |
|     | LTE Band 25            | 20M | QPSK | 100 | 0  | -             | Back        | 0mm  | Ant 2 | DSI 6 | 26340  | 1880   | Open | 21.71 | 23.50 | 1.510 | - | - | -0.09 | 1.790 | 2.703 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Bottom Side | 0mm  | Ant 2 | DSI 6 | 26340  | 1880   | Open | 21.84 | 23.50 | 1.466 | - | - | 0.03  | 1.400 | 2.052 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Bottom Side | 0mm  | Ant 2 | DSI 6 | 26140  | 1860   | Open | 21.78 | 23.50 | 1.486 | - | - | 0.14  | 1.630 | 2.422 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Bottom Side | 0mm  | Ant 2 | DSI 6 | 26590  | 1905   | Open | 21.70 | 23.50 | 1.514 | - | - | -0.19 | 1.560 | 2.361 |
|     | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Bottom Side | 0mm  | Ant 2 | DSI 6 | 26340  | 1880   | Open | 21.77 | 23.50 | 1.489 | - | - | -0.05 | 1.280 | 1.906 |
|     | LTE Band 25            | 20M | QPSK | 100 | 0  | -             | Bottom Side | 0mm  | Ant 2 | DSI 6 | 26340  | 1880   | Open | 21.71 | 23.50 | 1.510 | - | - | 0.14  | 1.240 | 1.872 |
|     | LTE Band 2<br>Other PA | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 2 | DSI 6 | 18900  | 1880   | Open | 23.42 | 23.50 | 1.019 | - | - | 0.04  | 1.950 | 1.986 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 3 | DSI 6 | 26340  | 1880   | Open | 20.56 | 21.60 | 1.271 | - | - | 0.08  | 1.830 | 2.325 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 3 | DSI 6 | 26140  | 1860   | Open | 20.38 | 21.60 | 1.324 | - | - | 0.05  | 0.890 | 1.179 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 3 | DSI 6 | 26590  | 1905   | Open | 20.45 | 21.60 | 1.303 | - | - | -0.14 | 1.280 | 1.668 |
|     | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm  | Ant 3 | DSI 6 | 26340  | 1880   | Open | 20.45 | 21.60 | 1.303 | - | - | 0.14  | 1.660 | 2.163 |
|     | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm  | Ant 3 | DSI 6 | 26140  | 1860   | Open | 20.41 | 21.60 | 1.315 | - | - | -0.07 | 1.860 | 2.446 |
|     | LTE Band 25            | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm  | Ant 3 | DSI 6 | 26590  | 1905   | Open | 20.29 | 21.60 | 1.352 | - | - | 0.01  | 1.610 | 2.177 |
|     | LTE Band 25            | 20M | QPSK | 100 | 0  | -             | Top Side    | 0mm  | Ant 3 | DSI 6 | 26340  | 1880   | Open | 20.38 | 21.60 | 1.324 | - | - | -0.1  | 1.600 | 2.119 |
|     | LTE Band 2<br>Other PA | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm  | Ant 3 | DSI 6 | 18700  | 1860   | Open | 20.60 | 21.60 | 1.259 | - | - | 0.02  | 1.650 | 2.077 |
|     | LTE Band 25            | 20M | QPSK | 1   | 0  | -             | Top Side    | 9mm  | Ant 3 | DSI 4 | 26340  | 1880   | Open | 22.65 | 24.00 | 1.365 | - | - | 0.03  | 1.120 | 1.528 |
|     | FR1 n25                | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 0 | DSI 6 | 376500 | 1882.5 | Open | 22.06 | 23.00 | 1.242 | - | - | 0.15  | 1.540 | 1.912 |
|     | FR1 n25                | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front       | 0mm  | Ant 0 | DSI 6 | 376500 | 1882.5 | Open | 21.97 | 23.00 | 1.268 | - | - | 0.06  | 1.630 | 2.066 |
|     | FR1 n25                | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front       | 0mm  | Ant 0 | DSI 6 | 372000 | 1860   | Open | 21.91 | 23.00 | 1.285 | - | - | 0.07  | 1.320 | 1.697 |
|     | FR1 n25                | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front       | 0mm  | Ant 0 | DSI 6 | 381000 | 1905   | Open | 21.88 | 23.00 | 1.294 | - | - | 0.05  | 1.280 | 1.657 |
|     | FR1 n25                | 20M | QPSK | 100 | 0  | DFT-SCS-15KHz | Front       | 0mm  | Ant 0 | DSI 6 | 376500 | 1882.5 | Open | 21.88 | 23.00 | 1.294 | - | - | 0.06  | 1.560 | 2.019 |
|     | FR1 n25                | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 376500 | 1882.5 | Open | 22.06 | 23.00 | 1.242 | - | - | 0.11  | 1.960 | 2.434 |



# FCC SAR Test Report

Report No. : FA340401-01

|     |                 |     |      |     |    |               |             |      |       |       |        |        |      |       |       |       |   |   |       |       |       |
|-----|-----------------|-----|------|-----|----|---------------|-------------|------|-------|-------|--------|--------|------|-------|-------|-------|---|---|-------|-------|-------|
|     | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 372000 | 1860   | Open | 21.93 | 23.00 | 1.279 | - | - | 0.06  | 1.420 | 1.817 |
|     | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 381000 | 1905   | Open | 21.76 | 23.00 | 1.330 | - | - | 0.05  | 1.450 | 1.929 |
|     | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 376500 | 1882.5 | Open | 21.97 | 23.00 | 1.268 | - | - | 0.04  | 2.070 | 2.624 |
|     | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 372000 | 1860   | Open | 21.91 | 23.00 | 1.285 | - | - | 0.01  | 1.650 | 2.121 |
|     | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 381000 | 1905   | Open | 21.88 | 23.00 | 1.294 | - | - | -0.09 | 1.640 | 2.122 |
|     | FR1 n25         | 20M | QPSK | 100 | 0  | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 376500 | 1882.5 | Open | 21.88 | 23.00 | 1.294 | - | - | 0.02  | 2.060 | 2.666 |
| 119 | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 376500 | 1882.5 | Open | 22.06 | 23.00 | 1.242 | - | - | 0.06  | 2.410 | 2.992 |
|     | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 372000 | 1860   | Open | 21.93 | 23.00 | 1.279 | - | - | -0.07 | 2.130 | 2.725 |
|     | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 381000 | 1905   | Open | 21.76 | 23.00 | 1.330 | - | - | 0.08  | 2.060 | 2.741 |
|     | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 376500 | 1882.5 | Open | 21.97 | 23.00 | 1.268 | - | - | 0.07  | 2.260 | 2.865 |
|     | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 372000 | 1860   | Open | 21.91 | 23.00 | 1.285 | - | - | 0.01  | 2.010 | 2.583 |
|     | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 381000 | 1905   | Open | 21.88 | 23.00 | 1.294 | - | - | -0.12 | 1.950 | 2.524 |
|     | FR1 n25         | 20M | QPSK | 100 | 0  | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 376500 | 1882.5 | Open | 21.88 | 23.00 | 1.294 | - | - | -0.05 | 2.240 | 2.899 |
|     | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | DSI 6 | 376500 | 1882.5 | Open | 19.03 | 20.00 | 1.250 | - | - | -0.18 | 1.740 | 2.175 |
|     | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | DSI 6 | 372000 | 1860   | Open | 18.95 | 20.00 | 1.274 | - | - | 0.03  | 1.410 | 1.796 |
|     | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | DSI 6 | 381000 | 1905   | Open | 18.92 | 20.00 | 1.282 | - | - | 0.06  | 1.350 | 1.731 |
|     | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | DSI 6 | 376500 | 1882.5 | Open | 18.99 | 20.00 | 1.262 | - | - | 0.11  | 1.850 | 2.334 |
|     | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | DSI 6 | 372000 | 1860   | Open | 18.89 | 20.00 | 1.291 | - | - | 0.05  | 1.480 | 1.911 |
|     | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | DSI 6 | 381000 | 1905   | Open | 18.85 | 20.00 | 1.303 | - | - | -0.12 | 1.350 | 1.759 |
|     | FR1 n25         | 20M | QPSK | 100 | 0  | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | DSI 6 | 376500 | 1882.5 | Open | 18.91 | 20.00 | 1.285 | - | - | 0.06  | 1.780 | 2.288 |
|     | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 1 | DSI 6 | 376500 | 1882.5 | Open | 19.03 | 20.00 | 1.250 | - | - | 0.01  | 1.870 | 2.338 |
|     | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 1 | DSI 6 | 372000 | 1860   | Open | 18.95 | 20.00 | 1.274 | - | - | 0.06  | 1.530 | 1.948 |
|     | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 1 | DSI 6 | 381000 | 1905   | Open | 18.92 | 20.00 | 1.282 | - | - | -0.18 | 1.550 | 1.988 |
|     | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back        | 0mm  | Ant 1 | DSI 6 | 376500 | 1882.5 | Open | 18.99 | 20.00 | 1.262 | - | - | 0.03  | 1.950 | 2.461 |
|     | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back        | 0mm  | Ant 1 | DSI 6 | 372000 | 1860   | Open | 18.89 | 20.00 | 1.291 | - | - | 0.04  | 1.620 | 2.092 |
|     | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back        | 0mm  | Ant 1 | DSI 6 | 381000 | 1905   | Open | 18.85 | 20.00 | 1.303 | - | - | 0.09  | 1.490 | 1.942 |
|     | FR1 n25         | 20M | QPSK | 100 | 0  | DFT-SCS-15KHz | Back        | 0mm  | Ant 1 | DSI 6 | 376500 | 1882.5 | Open | 18.91 | 20.00 | 1.285 | - | - | -0.18 | 1.840 | 2.365 |
|     | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Left Side   | 0mm  | Ant 1 | DSI 6 | 376500 | 1882.5 | Open | 19.03 | 20.00 | 1.250 | - | - | -0.12 | 0.789 | 0.986 |
|     | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Left Side   | 0mm  | Ant 1 | DSI 6 | 376500 | 1882.5 | Open | 18.99 | 20.00 | 1.262 | - | - | -0.1  | 0.795 | 1.003 |
|     | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 8mm  | Ant 1 | DSI 4 | 376500 | 1882.5 | Open | 21.67 | 23.00 | 1.358 | - | - | 0.06  | 0.211 | 0.287 |
|     | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front       | 8mm  | Ant 1 | DSI 4 | 376500 | 1882.5 | Open | 21.51 | 23.00 | 1.409 | - | - | -0.05 | 0.225 | 0.317 |
|     | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 8mm  | Ant 1 | DSI 4 | 376500 | 1882.5 | Open | 21.67 | 23.00 | 1.358 | - | - | -0.04 | 0.540 | 0.733 |
|     | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back        | 8mm  | Ant 1 | DSI 4 | 376500 | 1882.5 | Open | 21.51 | 23.00 | 1.409 | - | - | 0.05  | 0.561 | 0.791 |
|     | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Left Side   | 13mm | Ant 1 | DSI 4 | 376500 | 1882.5 | Open | 21.67 | 23.00 | 1.358 | - | - | 0.07  | 0.552 | 0.750 |
|     | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Left Side   | 13mm | Ant 1 | DSI 4 | 376500 | 1882.5 | Open | 21.51 | 23.00 | 1.409 | - | - | 0.03  | 0.559 | 0.788 |
|     | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 2 | DSI 6 | 376500 | 1882.5 | Open | 21.96 | 23.00 | 1.271 | - | - | 0.04  | 1.630 | 2.071 |
|     | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 2 | DSI 6 | 372000 | 1860   | Open | 21.77 | 23.00 | 1.327 | - | - | 0.06  | 1.250 | 1.659 |
|     | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 2 | DSI 6 | 381000 | 1905   | Open | 21.67 | 23.00 | 1.358 | - | - | 0.01  | 1.290 | 1.752 |
|     | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back        | 0mm  | Ant 2 | DSI 6 | 376500 | 1882.5 | Open | 21.86 | 23.00 | 1.300 | - | - | 0.01  | 1.500 | 1.950 |
|     | FR1 n25         | 20M | QPSK | 100 | 0  | DFT-SCS-15KHz | Back        | 0mm  | Ant 2 | DSI 6 | 376500 | 1882.5 | Open | 21.77 | 23.00 | 1.327 | - | - | -0.07 | 1.510 | 2.004 |
|     | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 376500 | 1882.5 | Open | 21.96 | 23.00 | 1.271 | - | - | 0.15  | 1.180 | 1.499 |
|     | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 376500 | 1882.5 | Open | 21.86 | 23.00 | 1.300 | - | - | 0.06  | 1.210 | 1.573 |
|     | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 376500 | 1882.5 | Open | 20.97 | 22.00 | 1.268 | - | - | -0.1  | 1.770 | 2.244 |
|     | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 372000 | 1860   | Open | 20.80 | 22.00 | 1.318 | - | - | 0.07  | 1.450 | 1.911 |
|     | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 381000 | 1905   | Open | 20.79 | 22.00 | 1.321 | - | - | 0.17  | 1.490 | 1.969 |
|     | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 376500 | 1882.5 | Open | 20.68 | 22.00 | 1.355 | - | - | 0.02  | 1.810 | 2.453 |
|     | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 376000 | 1880   | Open | 20.79 | 22.00 | 1.321 | - | - | 0.06  | 1.620 | 2.140 |
|     | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 372000 | 1860   | Open | 20.60 | 22.00 | 1.380 | - | - | 0.06  | 1.540 | 2.126 |
|     | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 381000 | 1905   | Open | 20.67 | 22.00 | 1.358 | - | - | 0.13  | 1.550 | 2.105 |
|     | FR1 n25         | 20M | QPSK | 100 | 0  | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 376500 | 1882.5 | Open | 20.74 | 22.00 | 1.337 | - | - | 0.08  | 1.720 | 2.299 |
|     | FR1 n25         | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Top Side    | 9mm  | Ant 3 | DSI 4 | 376500 | 1882.5 | Open | 22.99 | 24.00 | 1.262 | - | - | 0.01  | 0.547 | 0.690 |
|     | FR1 n25         | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Top Side    | 9mm  | Ant 3 | DSI 4 | 376500 | 1882.5 | Open | 22.75 | 24.00 | 1.334 | - | - | -0.06 | 0.585 | 0.780 |
|     | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 0 | DSI 6 | 376000 | 1880   | Open | 22.88 | 23.30 | 1.102 | - | - | 0.07  | 1.590 | 1.751 |
|     | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front       | 0mm  | Ant 0 | DSI 6 | 376000 | 1880   | Open | 22.75 | 23.30 | 1.135 | - | - | -0.07 | 1.680 | 1.907 |
|     | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 376000 | 1880   | Open | 22.88 | 23.30 | 1.102 | - | - | 0.06  | 2.020 | 2.225 |
|     | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 376000 | 1880   | Open | 22.88 | 23.30 | 1.102 | - | - | -0.17 | 1.910 | 2.104 |



# FCC SAR Test Report

Report No. : FA340401-01

|         |                 |     |      |     |    |               |             |      |       |       |        |      |      |       |       |       |   |   |       |       |       |
|---------|-----------------|-----|------|-----|----|---------------|-------------|------|-------|-------|--------|------|------|-------|-------|-------|---|---|-------|-------|-------|
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 376000 | 1880 | Open | 22.88 | 23.30 | 1.102 | - | - | 0.06  | 1.880 | 2.071 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 376000 | 1880 | Open | 22.75 | 23.30 | 1.135 | - | - | 0.01  | 2.130 | 2.418 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 376000 | 1880 | Open | 22.75 | 23.30 | 1.135 | - | - | 0.02  | 1.920 | 2.179 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 376000 | 1880 | Open | 22.75 | 23.30 | 1.135 | - | - | 0.05  | 1.890 | 2.145 |
|         | FR1 n2_Other PA | 20M | QPSK | 100 | 0  | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 376000 | 1880 | Open | 22.73 | 23.30 | 1.140 | - | - | 0.07  | 2.120 | 2.417 |
| 120     | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 376000 | 1880 | Open | 22.88 | 23.30 | 1.102 | - | - | 0.02  | 2.310 | 2.545 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 376000 | 1880 | Open | 22.88 | 23.30 | 1.102 | - | - | 0.03  | 2.010 | 2.214 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 376000 | 1880 | Open | 22.88 | 23.30 | 1.102 | - | - | -0.01 | 2.030 | 2.236 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 376000 | 1880 | Open | 22.75 | 23.30 | 1.135 | - | - | -0.12 | 2.230 | 2.531 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 376000 | 1880 | Open | 22.75 | 23.30 | 1.135 | - | - | 0.02  | 1.950 | 2.213 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 376000 | 1880 | Open | 22.75 | 23.30 | 1.135 | - | - | 0.05  | 1.920 | 2.179 |
|         | FR1 n2_Other PA | 20M | QPSK | 100 | 0  | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 376000 | 1880 | Open | 22.73 | 23.30 | 1.140 | - | - | -0.15 | 2.190 | 2.497 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 9mm  | Ant 0 | DSI 4 | 376000 | 1880 | Open | 23.81 | 25.00 | 1.315 | - | - | 0.01  | 0.701 | 0.922 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front       | 9mm  | Ant 0 | DSI 4 | 376000 | 1880 | Open | 23.73 | 25.00 | 1.340 | - | - | 0.14  | 0.712 | 0.954 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 6mm  | Ant 0 | DSI 4 | 376000 | 1880 | Open | 23.81 | 25.00 | 1.315 | - | - | 0.05  | 0.722 | 0.950 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back        | 6mm  | Ant 0 | DSI 4 | 376000 | 1880 | Open | 23.73 | 25.00 | 1.340 | - | - | -0.03 | 0.734 | 0.983 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Bottom Side | 11mm | Ant 0 | DSI 4 | 376000 | 1880 | Open | 23.81 | 25.00 | 1.315 | - | - | 0.02  | 0.373 | 0.491 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | DSI 6 | 376000 | 1880 | Open | 19.85 | 20.00 | 1.035 | - | - | 0.08  | 1.840 | 1.905 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | DSI 6 | 376000 | 1880 | Open | 19.71 | 20.00 | 1.069 | - | - | 0.07  | 1.760 | 1.882 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 1 | DSI 6 | 376000 | 1880 | Open | 19.85 | 20.00 | 1.035 | - | - | 0.04  | 1.890 | 1.956 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back        | 0mm  | Ant 1 | DSI 6 | 376000 | 1880 | Open | 19.71 | 20.00 | 1.069 | - | - | 0.11  | 1.750 | 1.871 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Left Side   | 0mm  | Ant 1 | DSI 6 | 376000 | 1880 | Open | 19.85 | 20.00 | 1.035 | - | - | -0.04 | 0.739 | 0.765 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Left Side   | 0mm  | Ant 1 | DSI 6 | 376000 | 1880 | Open | 19.71 | 20.00 | 1.069 | - | - | -0.08 | 0.692 | 0.740 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 8mm  | Ant 1 | DSI 4 | 376000 | 1880 | Open | 19.85 | 20.00 | 1.035 | - | - | 0.01  | 0.442 | 0.458 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 8mm  | Ant 1 | DSI 4 | 376000 | 1880 | Open | 19.85 | 20.00 | 1.035 | - | - | -0.06 | 0.909 | 0.941 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Left Side   | 13mm | Ant 1 | DSI 4 | 376000 | 1880 | Open | 19.85 | 20.00 | 1.035 | - | - | 0.12  | 1.080 | 1.118 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 2 | DSI 6 | 376000 | 1880 | Open | 23.28 | 24.00 | 1.180 | - | - | 0.12  | 1.840 | 2.172 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 2 | DSI 6 | 376000 | 1880 | Open | 23.22 | 24.00 | 1.197 | - | - | 0.1   | 1.610 | 1.927 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 2 | DSI 6 | 376000 | 1880 | Open | 23.05 | 24.00 | 1.245 | - | - | 0.03  | 1.550 | 1.929 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front       | 0mm  | Ant 2 | DSI 6 | 376000 | 1880 | Open | 23.15 | 24.00 | 1.216 | - | - | 0.02  | 1.820 | 2.213 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front       | 0mm  | Ant 2 | DSI 6 | 376000 | 1880 | Open | 23.01 | 24.00 | 1.256 | - | - | -0.19 | 1.560 | 1.959 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front       | 0mm  | Ant 2 | DSI 6 | 376000 | 1880 | Open | 22.97 | 24.00 | 1.268 | - | - | 0.02  | 1.510 | 1.914 |
|         | FR1 n2_Other PA | 20M | QPSK | 100 | 0  | DFT-SCS-15KHz | Front       | 0mm  | Ant 2 | DSI 6 | 376000 | 1880 | Open | 23.13 | 24.00 | 1.222 | - | - | 0.05  | 1.680 | 2.053 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 2 | DSI 6 | 376000 | 1880 | Open | 23.28 | 24.00 | 1.180 | - | - | 0.03  | 2.020 | 2.384 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 2 | DSI 6 | 376000 | 1880 | Open | 23.22 | 24.00 | 1.197 | - | - | 0.06  | 1.740 | 2.082 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 2 | DSI 6 | 376000 | 1880 | Open | 23.05 | 24.00 | 1.245 | - | - | -0.11 | 1.710 | 2.128 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back        | 0mm  | Ant 2 | DSI 6 | 376000 | 1880 | Open | 23.15 | 24.00 | 1.216 | - | - | 0.01  | 1.950 | 2.372 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back        | 0mm  | Ant 2 | DSI 6 | 376000 | 1880 | Open | 23.01 | 24.00 | 1.256 | - | - | 0.03  | 1.820 | 2.286 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back        | 0mm  | Ant 2 | DSI 6 | 376000 | 1880 | Open | 22.97 | 24.00 | 1.268 | - | - | -0.04 | 1.770 | 2.244 |
|         | FR1 n2_Other PA | 20M | QPSK | 100 | 0  | DFT-SCS-15KHz | Back        | 0mm  | Ant 2 | DSI 6 | 376000 | 1880 | Open | 23.13 | 24.00 | 1.222 | - | - | -0.04 | 1.910 | 2.334 |
|         | FR1 n2_Other PA | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 376000 | 1880 | Open | 23.28 | 24.00 | 1.180 | - | - | 0.16  | 1.450 | 1.711 |
|         | FR1 n2_Other PA | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 376000 | 1880 | Open | 23.15 | 24.00 | 1.216 | - | - | 0.14  | 1.530 | 1.861 |
| 2300MHz |                 |     |      |     |    |               |             |      |       |       |        |      |      |       |       |       |   |   |       |       |       |
|         | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 0 | DSI 6 | 27710  | 2310 | Open | 20.05 | 21.10 | 1.274 | - | - | -0.13 | 1.260 | 1.605 |
|         | LTE Band 30     | 10M | QPSK | 25  | 0  | -             | Front       | 0mm  | Ant 0 | DSI 6 | 27710  | 2310 | Open | 19.89 | 21.10 | 1.321 | - | - | -0.13 | 1.010 | 1.335 |
|         | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 27710  | 2310 | Open | 20.05 | 21.10 | 1.274 | - | - | -0.15 | 1.880 | 2.394 |
|         | LTE Band 30     | 10M | QPSK | 25  | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 27710  | 2310 | Open | 19.89 | 21.10 | 1.321 | - | - | -0.07 | 1.410 | 1.863 |
|         | LTE Band 30     | 10M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 27710  | 2310 | Open | 19.83 | 21.10 | 1.340 | - | - | 0.03  | 1.440 | 1.929 |
|         | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Right Side  | 0mm  | Ant 0 | DSI 6 | 27710  | 2310 | Open | 20.05 | 21.10 | 1.274 | - | - | 0.07  | 1.310 | 1.668 |
|         | LTE Band 30     | 10M | QPSK | 25  | 0  | -             | Right Side  | 0mm  | Ant 0 | DSI 6 | 27710  | 2310 | Open | 19.89 | 21.10 | 1.321 | - | - | 0.18  | 1.010 | 1.335 |
| 121     | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Bottom Side | 0mm  | Ant 0 | DSI 6 | 27710  | 2310 | Open | 20.05 | 21.10 | 1.274 | - | - | -0.05 | 2.400 | 3.056 |
|         | LTE Band 30     | 10M | QPSK | 25  | 0  | -             | Bottom Side | 0mm  | Ant 0 | DSI 6 | 27710  | 2310 | Open | 19.89 | 21.10 | 1.321 | - | - | 0.03  | 1.840 | 2.431 |
|         | LTE Band 30     | 10M | QPSK | 50  | 0  | -             | Bottom Side | 0mm  | Ant 0 | DSI 6 | 27710  | 2310 | Open | 19.83 | 21.10 | 1.340 | - | - | 0.08  | 1.910 | 2.559 |
|         | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Front       | 9mm  | Ant 0 | DSI 4 | 27710  | 2310 | Open | 20.55 | 22.00 | 1.396 | - | - | 0.03  | 0.518 | 0.723 |
|         | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Back        | 6mm  | Ant 0 | DSI 4 | 27710  | 2310 | Open | 20.55 | 22.00 | 1.396 | - | - | 0.05  | 0.956 | 1.335 |
|         | LTE Band 30     | 10M | QPSK | 1   | 0  | -             | Right Side  | 6mm  | Ant 0 | DSI 4 | 27710  | 2310 | Open | 20.55 | 22.00 | 1.396 | - | - | 0.01  | 0.841 | 1.174 |



# FCC SAR Test Report

Report No. : FA340401-01

|         |             |     |      |    |    |               |             |      |       |       |        |      |      |       |       |       |   |   |       |       |       |
|---------|-------------|-----|------|----|----|---------------|-------------|------|-------|-------|--------|------|------|-------|-------|-------|---|---|-------|-------|-------|
|         | LTE Band 30 | 10M | QPSK | 1  | 0  | -             | Bottom Side | 11mm | Ant 0 | DSI 4 | 27710  | 2310 | Open | 20.55 | 22.00 | 1.396 | - | - | 0.01  | 0.561 | 0.783 |
|         | LTE Band 30 | 10M | QPSK | 1  | 0  | -             | Back        | 0mm  | Ant 1 | DSI 6 | 27710  | 2310 | Open | 20.76 | 21.60 | 1.213 | - | - | 0.08  | 1.900 | 2.305 |
|         | LTE Band 30 | 10M | QPSK | 25 | 0  | -             | Back        | 0mm  | Ant 1 | DSI 6 | 27710  | 2310 | Open | 20.63 | 21.60 | 1.250 | - | - | 0.07  | 1.480 | 1.850 |
|         | LTE Band 30 | 10M | QPSK | 50 | 0  | -             | Back        | 0mm  | Ant 1 | DSI 6 | 27710  | 2310 | Open | 20.57 | 21.60 | 1.268 | - | - | 0.07  | 1.490 | 1.889 |
|         | LTE Band 30 | 10M | QPSK | 1  | 0  | -             | Left Side   | 0mm  | Ant 1 | DSI 6 | 27710  | 2310 | Open | 20.76 | 21.60 | 1.213 | - | - | 0.05  | 2.040 | 2.475 |
|         | LTE Band 30 | 10M | QPSK | 25 | 0  | -             | Left Side   | 0mm  | Ant 1 | DSI 6 | 27710  | 2310 | Open | 20.63 | 21.60 | 1.250 | - | - | 0.14  | 1.610 | 2.013 |
|         | LTE Band 30 | 10M | QPSK | 50 | 0  | -             | Left Side   | 0mm  | Ant 1 | DSI 6 | 27710  | 2310 | Open | 20.57 | 21.60 | 1.268 | - | - | -0.09 | 1.570 | 1.990 |
|         | LTE Band 30 | 10M | QPSK | 1  | 0  | -             | Back        | 8mm  | Ant 1 | DSI 4 | 27710  | 2310 | Open | 20.76 | 22.00 | 1.330 | - | - | 0.03  | 0.311 | 0.414 |
|         | LTE Band 30 | 10M | QPSK | 1  | 0  | -             | Left Side   | 13mm | Ant 1 | DSI 4 | 27710  | 2310 | Open | 20.76 | 22.00 | 1.330 | - | - | -0.05 | 0.255 | 0.339 |
|         | LTE Band 30 | 10M | QPSK | 1  | 0  | -             | Bottom Side | 0mm  | Ant 2 | DSI 6 | 27710  | 2310 | Open | 21.44 | 23.00 | 1.432 | - | - | 0.02  | 1.500 | 2.148 |
|         | LTE Band 30 | 10M | QPSK | 25 | 0  | -             | Bottom Side | 0mm  | Ant 2 | DSI 6 | 27710  | 2310 | Open | 21.36 | 23.00 | 1.459 | - | - | 0.04  | 1.170 | 1.707 |
|         | LTE Band 30 | 10M | QPSK | 50 | 0  | -             | Bottom Side | 0mm  | Ant 2 | DSI 6 | 27710  | 2310 | Open | 21.31 | 23.00 | 1.476 | - | - | -0.15 | 1.200 | 1.771 |
|         | LTE Band 30 | 10M | QPSK | 1  | 0  | -             | Front       | 0mm  | Ant 3 | DSI 6 | 27710  | 2310 | Open | 21.95 | 22.90 | 1.245 | - | - | -0.12 | 1.710 | 2.128 |
|         | LTE Band 30 | 10M | QPSK | 25 | 0  | -             | Front       | 0mm  | Ant 3 | DSI 6 | 27710  | 2310 | Open | 21.92 | 22.90 | 1.253 | - | - | 0.06  | 1.410 | 1.767 |
|         | LTE Band 30 | 10M | QPSK | 50 | 0  | -             | Front       | 0mm  | Ant 3 | DSI 6 | 27710  | 2310 | Open | 21.86 | 22.90 | 1.271 | - | - | -0.16 | 1.480 | 1.880 |
|         | LTE Band 30 | 10M | QPSK | 1  | 0  | -             | Back        | 0mm  | Ant 3 | DSI 6 | 27710  | 2310 | Open | 21.95 | 22.90 | 1.245 | - | - | 0.08  | 1.640 | 2.041 |
|         | LTE Band 30 | 10M | QPSK | 25 | 0  | -             | Back        | 0mm  | Ant 3 | DSI 6 | 27710  | 2310 | Open | 21.92 | 22.90 | 1.253 | - | - | 0.04  | 1.270 | 1.591 |
|         | LTE Band 30 | 10M | QPSK | 50 | 0  | -             | Back        | 0mm  | Ant 3 | DSI 6 | 27710  | 2310 | Open | 21.86 | 22.90 | 1.271 | - | - | 0.06  | 1.370 | 1.741 |
|         | LTE Band 30 | 10M | QPSK | 1  | 0  | -             | Top Side    | 0mm  | Ant 3 | DSI 6 | 27710  | 2310 | Open | 21.95 | 22.90 | 1.245 | - | - | 0.06  | 1.970 | 2.452 |
|         | LTE Band 30 | 10M | QPSK | 25 | 0  | -             | Top Side    | 0mm  | Ant 3 | DSI 6 | 27710  | 2310 | Open | 21.92 | 22.90 | 1.253 | - | - | 0.09  | 1.510 | 1.892 |
|         | LTE Band 30 | 10M | QPSK | 50 | 0  | -             | Top Side    | 0mm  | Ant 3 | DSI 6 | 27710  | 2310 | Open | 21.86 | 22.90 | 1.271 | - | - | -0.09 | 1.580 | 2.008 |
|         | LTE Band 30 | 10M | QPSK | 1  | 0  | -             | Front       | 9mm  | Ant 3 | DSI 4 | 27710  | 2310 | Open | 22.58 | 24.00 | 1.387 | - | - | 0.01  | 0.315 | 0.437 |
|         | LTE Band 30 | 10M | QPSK | 1  | 0  | -             | Back        | 4mm  | Ant 3 | DSI 4 | 27710  | 2310 | Open | 22.58 | 24.00 | 1.387 | - | - | 0.15  | 0.554 | 0.768 |
|         | LTE Band 30 | 10M | QPSK | 1  | 0  | -             | Top Side    | 9mm  | Ant 3 | DSI 4 | 27710  | 2310 | Open | 22.58 | 24.00 | 1.387 | - | - | 0.03  | 0.456 | 0.632 |
|         | FR1 n30     | 10M | QPSK | 1  | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 462000 | 2310 | Open | 21.17 | 22.00 | 1.211 | - | - | -0.18 | 1.450 | 1.755 |
|         | FR1 n30     | 10M | QPSK | 25 | 14 | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 462000 | 2310 | Open | 20.82 | 22.00 | 1.312 | - | - | 0.04  | 1.350 | 1.771 |
|         | FR1 n30     | 10M | QPSK | 1  | 1  | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 462000 | 2310 | Open | 21.17 | 22.00 | 1.211 | - | - | 0.08  | 1.700 | 2.058 |
|         | FR1 n30     | 10M | QPSK | 25 | 14 | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 462000 | 2310 | Open | 20.82 | 22.00 | 1.312 | - | - | 0.14  | 1.540 | 2.021 |
|         | FR1 n30     | 10M | QPSK | 50 | 0  | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 462000 | 2310 | Open | 20.13 | 21.00 | 1.222 | - | - | -0.17 | 1.570 | 1.918 |
|         | FR1 n30     | 10M | QPSK | 1  | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | DSI 6 | 462000 | 2310 | Open | 20.70 | 22.00 | 1.349 | - | - | -0.1  | 0.781 | 1.054 |
|         | FR1 n30     | 10M | QPSK | 25 | 14 | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | DSI 6 | 462000 | 2310 | Open | 20.43 | 22.00 | 1.435 | - | - | 0.12  | 0.740 | 1.062 |
|         | FR1 n30     | 10M | QPSK | 1  | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 1 | DSI 6 | 462000 | 2310 | Open | 20.70 | 22.00 | 1.349 | - | - | 0.05  | 1.150 | 1.551 |
|         | FR1 n30     | 10M | QPSK | 25 | 14 | DFT-SCS-15KHz | Back        | 0mm  | Ant 1 | DSI 6 | 462000 | 2310 | Open | 20.43 | 22.00 | 1.435 | - | - | 0.02  | 0.920 | 1.321 |
|         | FR1 n30     | 10M | QPSK | 1  | 1  | DFT-SCS-15KHz | Left Side   | 0mm  | Ant 1 | DSI 6 | 462000 | 2310 | Open | 20.70 | 22.00 | 1.349 | - | - | 0.02  | 1.090 | 1.470 |
|         | FR1 n30     | 10M | QPSK | 25 | 14 | DFT-SCS-15KHz | Left Side   | 0mm  | Ant 1 | DSI 6 | 462000 | 2310 | Open | 20.43 | 22.00 | 1.435 | - | - | 0.18  | 0.700 | 1.005 |
|         | FR1 n30     | 10M | QPSK | 1  | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 3 | DSI 6 | 462000 | 2310 | Open | 22.29 | 23.20 | 1.233 | - | - | 0.16  | 1.480 | 1.825 |
|         | FR1 n30     | 10M | QPSK | 25 | 14 | DFT-SCS-15KHz | Front       | 0mm  | Ant 3 | DSI 6 | 462000 | 2310 | Open | 21.89 | 23.20 | 1.352 | - | - | 0.14  | 1.500 | 2.028 |
|         | FR1 n30     | 10M | QPSK | 50 | 0  | DFT-SCS-15KHz | Front       | 0mm  | Ant 3 | DSI 6 | 462000 | 2310 | Open | 21.42 | 23.00 | 1.439 | - | - | 0.1   | 1.400 | 2.014 |
|         | FR1 n30     | 10M | QPSK | 1  | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 3 | DSI 6 | 462000 | 2310 | Open | 22.29 | 23.20 | 1.233 | - | - | -0.02 | 1.270 | 1.566 |
|         | FR1 n30     | 10M | QPSK | 25 | 14 | DFT-SCS-15KHz | Back        | 0mm  | Ant 3 | DSI 6 | 462000 | 2310 | Open | 21.89 | 23.20 | 1.352 | - | - | 0.18  | 1.260 | 1.704 |
|         | FR1 n30     | 10M | QPSK | 1  | 1  | DFT-SCS-15KHz | Right Side  | 0mm  | Ant 3 | DSI 6 | 462000 | 2310 | Open | 22.29 | 23.20 | 1.233 | - | - | 0.02  | 0.820 | 1.011 |
|         | FR1 n30     | 10M | QPSK | 25 | 14 | DFT-SCS-15KHz | Right Side  | 0mm  | Ant 3 | DSI 6 | 462000 | 2310 | Open | 21.89 | 23.20 | 1.352 | - | - | -0.1  | 0.760 | 1.028 |
| 122     | FR1 n30     | 10M | QPSK | 1  | 1  | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 462000 | 2310 | Open | 22.29 | 23.20 | 1.233 | - | - | -0.18 | 1.980 | 2.442 |
|         | FR1 n30     | 10M | QPSK | 25 | 14 | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 462000 | 2310 | Open | 21.89 | 23.20 | 1.352 | - | - | -0.06 | 1.720 | 2.326 |
|         | FR1 n30     | 10M | QPSK | 50 | 0  | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 462000 | 2310 | Open | 21.42 | 23.00 | 1.439 | - | - | 0.02  | 1.650 | 2.374 |
|         | FR1 n30     | 10M | QPSK | 1  | 1  | DFT-SCS-15KHz | Front       | 9mm  | Ant 3 | DSI 4 | 462000 | 2310 | Open | 22.81 | 24.00 | 1.315 | - | - | 0.06  | 0.315 | 0.414 |
|         | FR1 n30     | 10M | QPSK | 25 | 14 | DFT-SCS-15KHz | Front       | 9mm  | Ant 3 | DSI 4 | 462000 | 2310 | Open | 22.58 | 24.00 | 1.387 | - | - | -0.08 | 0.322 | 0.447 |
|         | FR1 n30     | 10M | QPSK | 1  | 1  | DFT-SCS-15KHz | Back        | 4mm  | Ant 3 | DSI 4 | 462000 | 2310 | Open | 22.81 | 24.00 | 1.315 | - | - | 0.01  | 0.456 | 0.600 |
|         | FR1 n30     | 10M | QPSK | 25 | 14 | DFT-SCS-15KHz | Back        | 4mm  | Ant 3 | DSI 4 | 462000 | 2310 | Open | 22.58 | 24.00 | 1.387 | - | - | 0.05  | 0.468 | 0.649 |
|         | FR1 n30     | 10M | QPSK | 1  | 1  | DFT-SCS-15KHz | Right Side  | 8mm  | Ant 3 | DSI 4 | 462000 | 2310 | Open | 22.81 | 24.00 | 1.315 | - | - | 0.17  | 0.227 | 0.299 |
|         | FR1 n30     | 10M | QPSK | 25 | 14 | DFT-SCS-15KHz | Right Side  | 8mm  | Ant 3 | DSI 4 | 462000 | 2310 | Open | 22.58 | 24.00 | 1.387 | - | - | 0.08  | 0.235 | 0.326 |
|         | FR1 n30     | 10M | QPSK | 1  | 1  | DFT-SCS-15KHz | Top Side    | 9mm  | Ant 3 | DSI 4 | 462000 | 2310 | Open | 22.81 | 24.00 | 1.315 | - | - | 0.02  | 0.456 | 0.600 |
| 2600MHz |             |     |      |    |    |               |             |      |       |       |        |      |      |       |       |       |   |   |       |       |       |
|         | LTE Band 7  | 20M | QPSK | 1  | 0  | -             | Front       | 0mm  | Ant 0 | DSI 6 | 21100  | 2535 | Open | 20.31 | 21.20 | 1.227 | - | - | 0.04  | 1.560 | 1.915 |
|         | LTE Band 7  | 20M | QPSK | 50 | 0  | -             | Front       | 0mm  | Ant 0 | DSI 6 | 21100  | 2535 | Open | 20.28 | 21.20 | 1.236 | - | - | 0.09  | 1.390 | 1.718 |
|         | LTE Band 7  | 20M | QPSK | 1  | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 21100  | 2535 | Open | 20.31 | 21.20 | 1.227 | - | - | 0.03  | 2.150 | 2.639 |



# FCC SAR Test Report

Report No. : FA340401-01

|     |                        |     |      |     |    |   |             |      |       |       |                 |                 |      |       |       |       |   |   |       |       |       |
|-----|------------------------|-----|------|-----|----|---|-------------|------|-------|-------|-----------------|-----------------|------|-------|-------|-------|---|---|-------|-------|-------|
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Back        | 0mm  | Ant 0 | DSI 6 | 20850           | 2510            | Open | 20.21 | 21.20 | 1.256 | - | - | -0.13 | 2.180 | 2.738 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Back        | 0mm  | Ant 0 | DSI 6 | 21350           | 2560            | Open | 20.25 | 21.20 | 1.245 | - | - | -0.14 | 2.180 | 2.713 |
|     | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Back        | 0mm  | Ant 0 | DSI 6 | 21100           | 2535            | Open | 20.28 | 21.20 | 1.236 | - | - | 0.07  | 1.850 | 2.287 |
|     | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Back        | 0mm  | Ant 0 | DSI 6 | 20850           | 2510            | Open | 20.16 | 21.20 | 1.271 | - | - | 0.03  | 1.830 | 2.325 |
|     | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Back        | 0mm  | Ant 0 | DSI 6 | 21350           | 2560            | Open | 20.26 | 21.20 | 1.242 | - | - | 0.15  | 1.810 | 2.247 |
|     | LTE Band 7             | 20M | QPSK | 100 | 0  | - | Back        | 0mm  | Ant 0 | DSI 6 | 21100           | 2535            | Open | 20.25 | 21.20 | 1.245 | - | - | -0.18 | 1.800 | 2.240 |
| 123 | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Bottom Side | 0mm  | Ant 0 | DSI 6 | 21100           | 2535            | Open | 20.31 | 21.20 | 1.227 | - | - | 0.04  | 2.590 | 3.179 |
|     | LTE Band 7C            | 20M | QPSK | 1   | 99 | - | Bottom Side | 0mm  | Ant 0 | DSI 6 | 21100+<br>21298 | 2535+<br>2554.8 | Open | 20.15 | 21.20 | 1.274 | - | - | 0.01  | 2.330 | 2.967 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Bottom Side | 0mm  | Ant 0 | DSI 6 | 20850           | 2510            | Open | 20.21 | 21.20 | 1.256 | - | - | -0.17 | 2.360 | 2.964 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Bottom Side | 0mm  | Ant 0 | DSI 6 | 21350           | 2560            | Open | 20.25 | 21.20 | 1.245 | - | - | 0.02  | 2.250 | 2.800 |
|     | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Bottom Side | 0mm  | Ant 0 | DSI 6 | 21100           | 2535            | Open | 20.28 | 21.20 | 1.236 | - | - | 0.08  | 2.290 | 2.830 |
|     | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Bottom Side | 0mm  | Ant 0 | DSI 6 | 20850           | 2510            | Open | 20.16 | 21.20 | 1.271 | - | - | 0.04  | 2.080 | 2.643 |
|     | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Bottom Side | 0mm  | Ant 0 | DSI 6 | 21350           | 2560            | Open | 20.26 | 21.20 | 1.242 | - | - | -0.18 | 2.180 | 2.707 |
|     | LTE Band 7             | 20M | QPSK | 100 | 0  | - | Bottom Side | 0mm  | Ant 0 | DSI 6 | 21100           | 2535            | Open | 20.25 | 21.20 | 1.245 | - | - | -0.09 | 2.220 | 2.763 |
|     | LTE Band 7<br>Other PA | 20M | QPSK | 1   | 0  | - | Bottom Side | 0mm  | Ant 0 | DSI 6 | 21100           | 2535            | Open | 20.27 | 21.20 | 1.239 | - | - | 0.01  | 2.410 | 2.985 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Front       | 9mm  | Ant 0 | DSI 4 | 21100           | 2535            | Open | 23.23 | 24.00 | 1.194 | - | - | 0.01  | 0.195 | 0.233 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Back        | 6mm  | Ant 0 | DSI 4 | 21100           | 2535            | Open | 23.23 | 24.00 | 1.194 | - | - | -0.06 | 0.723 | 0.863 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Bottom Side | 11mm | Ant 0 | DSI 4 | 21100           | 2535            | Open | 23.23 | 24.00 | 1.194 | - | - | 0.05  | 0.231 | 0.276 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Front       | 0mm  | Ant 1 | DSI 6 | 21350           | 2560            | Open | 20.32 | 21.30 | 1.253 | - | - | -0.07 | 0.966 | 1.211 |
|     | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Front       | 0mm  | Ant 1 | DSI 6 | 21350           | 2560            | Open | 20.31 | 21.30 | 1.256 | - | - | -0.1  | 0.731 | 0.918 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Back        | 0mm  | Ant 1 | DSI 6 | 21350           | 2560            | Open | 20.32 | 21.30 | 1.253 | - | - | 0.05  | 1.460 | 1.830 |
|     | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Back        | 0mm  | Ant 1 | DSI 6 | 21350           | 2560            | Open | 20.31 | 21.30 | 1.256 | - | - | 0.07  | 0.810 | 1.017 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Left Side   | 0mm  | Ant 1 | DSI 6 | 21350           | 2560            | Open | 20.32 | 21.30 | 1.253 | - | - | 0.1   | 1.610 | 2.018 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Left Side   | 0mm  | Ant 1 | DSI 6 | 20850           | 2510            | Open | 20.15 | 21.30 | 1.303 | - | - | 0.04  | 1.550 | 2.020 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Left Side   | 0mm  | Ant 1 | DSI 6 | 21100           | 2535            | Open | 20.25 | 21.30 | 1.274 | - | - | 0.14  | 1.940 | 2.471 |
|     | LTE Band 7C            | 20M | QPSK | 1   | 99 | - | Left Side   | 0mm  | Ant 1 | DSI 6 | 21100+<br>21298 | 2535+<br>2554.8 | Open | 20.21 | 21.30 | 1.285 | - | - | 0.01  | 1.540 | 1.979 |
|     | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Left Side   | 0mm  | Ant 1 | DSI 6 | 21350           | 2560            | Open | 20.31 | 21.30 | 1.256 | - | - | -0.1  | 1.490 | 1.871 |
|     | LTE Band 7             | 20M | QPSK | 100 | 0  | - | Left Side   | 0mm  | Ant 1 | DSI 6 | 21350           | 2560            | Open | 20.18 | 21.30 | 1.294 | - | - | 0.19  | 1.390 | 1.799 |
|     | LTE Band 7<br>Other PA | 20M | QPSK | 1   | 0  | - | Left Side   | 0mm  | Ant 1 | DSI 6 | 21100           | 2535            | Open | 20.24 | 21.30 | 1.276 | - | - | -0.11 | 1.650 | 2.106 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Front       | 8mm  | Ant 1 | DSI 4 | 21350           | 2560            | Open | 23.20 | 23.50 | 1.072 | - | - | 0.09  | 0.321 | 0.344 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Back        | 8mm  | Ant 1 | DSI 4 | 21350           | 2560            | Open | 23.20 | 23.50 | 1.072 | - | - | 0.04  | 0.346 | 0.371 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Left Side   | 13mm | Ant 1 | DSI 4 | 21350           | 2560            | Open | 23.20 | 23.50 | 1.072 | - | - | 0.01  | 0.255 | 0.273 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Front       | 0mm  | Ant 2 | DSI 6 | 21100           | 2535            | Open | 21.35 | 23.00 | 1.462 | - | - | 0.03  | 1.360 | 1.989 |
|     | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Front       | 0mm  | Ant 2 | DSI 6 | 21100           | 2535            | Open | 21.28 | 23.00 | 1.486 | - | - | 0.08  | 1.190 | 1.768 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Back        | 0mm  | Ant 2 | DSI 6 | 21100           | 2535            | Open | 21.35 | 23.00 | 1.462 | - | - | 0.09  | 2.150 | 3.144 |
|     | LTE Band 7C            | 20M | QPSK | 1   | 99 | - | Back        | 0mm  | Ant 2 | DSI 6 | 21100+<br>21298 | 2535+<br>2554.8 | Open | 21.26 | 23.00 | 1.493 | - | - | 0.03  | 1.840 | 2.747 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Back        | 0mm  | Ant 2 | DSI 6 | 21100           | 2535            | Open | 21.35 | 23.00 | 1.462 | - | - | 0.01  | 1.580 | 2.310 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Back        | 0mm  | Ant 2 | DSI 6 | 20850           | 2510            | Open | 21.20 | 23.00 | 1.514 | - | - | 0.03  | 1.340 | 2.028 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Back        | 0mm  | Ant 2 | DSI 6 | 21350           | 2560            | Open | 21.26 | 23.00 | 1.493 | - | - | -0.12 | 1.700 | 2.538 |
|     | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Back        | 0mm  | Ant 2 | DSI 6 | 21100           | 2535            | Open | 21.28 | 23.00 | 1.486 | - | - | 0.07  | 1.810 | 2.690 |
|     | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Back        | 0mm  | Ant 2 | DSI 6 | 20850           | 2510            | Open | 21.11 | 23.00 | 1.545 | - | - | -0.16 | 1.530 | 2.364 |
|     | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Back        | 0mm  | Ant 2 | DSI 6 | 21350           | 2560            | Open | 21.17 | 23.00 | 1.524 | - | - | 0.06  | 1.600 | 2.438 |
|     | LTE Band 7             | 20M | QPSK | 100 | 0  | - | Back        | 0mm  | Ant 2 | DSI 6 | 21100           | 2535            | Open | 21.23 | 23.00 | 1.503 | - | - | -0.1  | 1.770 | 2.661 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Bottom Side | 0mm  | Ant 2 | DSI 6 | 21100           | 2535            | Open | 21.35 | 23.00 | 1.462 | - | - | 0.17  | 2.060 | 3.012 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Bottom Side | 0mm  | Ant 2 | DSI 6 | 20850           | 2510            | Open | 21.20 | 23.00 | 1.514 | - | - | 0.01  | 1.750 | 2.649 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Bottom Side | 0mm  | Ant 2 | DSI 6 | 21350           | 2560            | Open | 21.26 | 23.00 | 1.493 | - | - | -0.19 | 1.590 | 2.374 |
|     | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Bottom Side | 0mm  | Ant 2 | DSI 6 | 21100           | 2535            | Open | 21.28 | 23.00 | 1.486 | - | - | -0.06 | 1.830 | 2.719 |
|     | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Bottom Side | 0mm  | Ant 2 | DSI 6 | 20850           | 2510            | Open | 21.11 | 23.00 | 1.545 | - | - | 0.09  | 1.560 | 2.411 |
|     | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Bottom Side | 0mm  | Ant 2 | DSI 6 | 21350           | 2560            | Open | 21.17 | 23.00 | 1.524 | - | - | -0.1  | 1.550 | 2.362 |
|     | LTE Band 7             | 20M | QPSK | 100 | 0  | - | Bottom Side | 0mm  | Ant 2 | DSI 6 | 21100           | 2535            | Open | 21.23 | 23.00 | 1.503 | - | - | 0.08  | 1.750 | 2.630 |
|     | LTE Band 7<br>Other PA | 20M | QPSK | 1   | 0  | - | Back        | 0mm  | Ant 2 | DSI 6 | 21100           | 2535            | Open | 22.43 | 22.50 | 1.016 | - | - | 0.09  | 0.910 | 0.925 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Top Side    | 0mm  | Ant 3 | DSI 6 | 21100           | 2535            | Open | 19.80 | 21.20 | 1.380 | - | - | 0.05  | 1.510 | 2.084 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Top Side    | 0mm  | Ant 3 | DSI 6 | 20850           | 2510            | Open | 19.75 | 21.20 | 1.396 | - | - | 0.09  | 1.780 | 2.486 |
|     | LTE Band 7C            | 20M | QPSK | 1   | 99 | - | Top Side    | 0mm  | Ant 3 | DSI 6 | 20850+<br>21048 | 2510+<br>2529.8 | Open | 19.35 | 21.20 | 1.531 | - | - | 0.01  | 1.480 | 2.266 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Top Side    | 0mm  | Ant 3 | DSI 6 | 21350           | 2560            | Open | 19.75 | 21.20 | 1.396 | - | - | -0.08 | 1.640 | 2.290 |



# FCC SAR Test Report

Report No. : FA340401-01

|     |                        |     |      |     |    |   |             |      |       |       |                 |                   |      |       |       |       |      |       |       |       |       |
|-----|------------------------|-----|------|-----|----|---|-------------|------|-------|-------|-----------------|-------------------|------|-------|-------|-------|------|-------|-------|-------|-------|
|     | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Top Side    | 0mm  | Ant 3 | DSI 6 | 21100           | 2535              | Open | 19.77 | 21.20 | 1.390 | -    | -     | -0.06 | 1.580 | 2.196 |
|     | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Top Side    | 0mm  | Ant 3 | DSI 6 | 20850           | 2510              | Open | 19.68 | 21.20 | 1.419 | -    | -     | 0.18  | 1.520 | 2.157 |
|     | LTE Band 7             | 20M | QPSK | 50  | 0  | - | Top Side    | 0mm  | Ant 3 | DSI 6 | 21350           | 2560              | Open | 19.72 | 21.20 | 1.406 | -    | -     | -0.04 | 1.590 | 2.236 |
|     | LTE Band 7             | 20M | QPSK | 100 | 0  | - | Top Side    | 0mm  | Ant 3 | DSI 6 | 21100           | 2535              | Open | 19.75 | 21.20 | 1.396 | -    | -     | -0.19 | 1.730 | 2.416 |
|     | LTE Band 7<br>Other PA | 20M | QPSK | 1   | 0  | - | Top Side    | 0mm  | Ant 3 | DSI 6 | 20850           | 2510              | Open | 19.51 | 21.20 | 1.476 | -    | -     | 0.06  | 1.020 | 1.505 |
|     | LTE Band 7             | 20M | QPSK | 1   | 0  | - | Top Side    | 9mm  | Ant 3 | DSI 4 | 20850           | 2510              | Open | 22.87 | 24.00 | 1.297 | -    | -     | 0.09  | 0.334 | 0.433 |
|     | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Back        | 0mm  | Ant 0 | DSI 6 | 40620           | 2593              | Open | 22.52 | 23.80 | 1.343 | 62.9 | 1.006 | -0.18 | 1.130 | 1.526 |
|     | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Back        | 0mm  | Ant 0 | DSI 6 | 39750           | 2506              | Open | 22.26 | 23.80 | 1.426 | 62.9 | 1.006 | 0.04  | 0.768 | 1.101 |
|     | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Back        | 0mm  | Ant 0 | DSI 6 | 40185           | 2549.5            | Open | 22.40 | 23.80 | 1.380 | 62.9 | 1.006 | -0.08 | 0.975 | 1.354 |
|     | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Back        | 0mm  | Ant 0 | DSI 6 | 41055           | 2636.5            | Open | 22.49 | 23.80 | 1.352 | 62.9 | 1.006 | 0.02  | 1.320 | 1.795 |
|     | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Back        | 0mm  | Ant 0 | DSI 6 | 41490           | 2680              | Open | 22.18 | 23.80 | 1.452 | 62.9 | 1.006 | -0.11 | 1.000 | 1.461 |
|     | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Back        | 0mm  | Ant 0 | DSI 6 | 40620           | 2593              | Open | 22.46 | 23.80 | 1.361 | 62.9 | 1.006 | 0.12  | 1.140 | 1.561 |
|     | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Back        | 0mm  | Ant 0 | DSI 6 | 39750           | 2506              | Open | 22.25 | 23.80 | 1.429 | 62.9 | 1.006 | 0.02  | 0.680 | 0.977 |
|     | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Back        | 0mm  | Ant 0 | DSI 6 | 40185           | 2549.5            | Open | 22.26 | 23.80 | 1.426 | 62.9 | 1.006 | -0.18 | 0.990 | 1.420 |
|     | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Back        | 0mm  | Ant 0 | DSI 6 | 41055           | 2636.5            | Open | 22.38 | 23.80 | 1.387 | 62.9 | 1.006 | 0.16  | 1.310 | 1.828 |
|     | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Back        | 0mm  | Ant 0 | DSI 6 | 41490           | 2680              | Open | 22.12 | 23.80 | 1.472 | 62.9 | 1.006 | 0.08  | 1.000 | 1.481 |
|     | LTE Band 41            | 20M | QPSK | 100 | 0  | - | Back        | 0mm  | Ant 0 | DSI 6 | 40620           | 2593              | Open | 22.35 | 23.80 | 1.396 | 62.9 | 1.006 | 0.11  | 1.120 | 1.573 |
|     | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Bottom Side | 0mm  | Ant 0 | DSI 6 | 40620           | 2593              | Open | 22.52 | 23.80 | 1.343 | 62.9 | 1.006 | 0.05  | 2.030 | 2.742 |
|     | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Bottom Side | 0mm  | Ant 0 | DSI 6 | 39750           | 2506              | Open | 22.26 | 23.80 | 1.426 | 62.9 | 1.006 | -0.01 | 1.660 | 2.381 |
|     | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Bottom Side | 0mm  | Ant 0 | DSI 6 | 40185           | 2549.5            | Open | 22.40 | 23.80 | 1.380 | 62.9 | 1.006 | 0.03  | 2.130 | 2.958 |
| 124 | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Bottom Side | 0mm  | Ant 0 | DSI 6 | 41055           | 2636.5            | Open | 22.49 | 23.80 | 1.352 | 62.9 | 1.006 | 0.01  | 2.330 | 3.169 |
|     | LTE Band 41C           | 20M | QPSK | 1   | 99 | - | Bottom Side | 0mm  | Ant 0 | DSI 6 | 41055+<br>41253 | 2636.5+<br>2656.3 | Open | 22.16 | 23.80 | 1.459 | 62.9 | 1.006 | 0.08  | 2.010 | 2.950 |
|     | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Bottom Side | 0mm  | Ant 0 | DSI 6 | 41490           | 2680              | Open | 22.18 | 23.80 | 1.452 | 62.9 | 1.006 | 0.12  | 2.000 | 2.922 |
|     | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Bottom Side | 0mm  | Ant 0 | DSI 6 | 40620           | 2593              | Open | 22.46 | 23.80 | 1.361 | 62.9 | 1.006 | 0.17  | 2.090 | 2.862 |
|     | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Bottom Side | 0mm  | Ant 0 | DSI 6 | 39750           | 2506              | Open | 22.25 | 23.80 | 1.429 | 62.9 | 1.006 | -0.05 | 1.450 | 2.084 |
|     | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Bottom Side | 0mm  | Ant 0 | DSI 6 | 40185           | 2549.5            | Open | 22.26 | 23.80 | 1.426 | 62.9 | 1.006 | 0.09  | 2.000 | 2.868 |
|     | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Bottom Side | 0mm  | Ant 0 | DSI 6 | 41055           | 2636.5            | Open | 22.38 | 23.80 | 1.387 | 62.9 | 1.006 | 0.15  | 2.200 | 3.069 |
|     | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Bottom Side | 0mm  | Ant 0 | DSI 6 | 41490           | 2680              | Open | 22.12 | 23.80 | 1.472 | 62.9 | 1.006 | -0.1  | 1.990 | 2.947 |
|     | LTE Band 41            | 20M | QPSK | 100 | 0  | - | Bottom Side | 0mm  | Ant 0 | DSI 6 | 40620           | 2593              | Open | 22.35 | 23.80 | 1.396 | 62.9 | 1.006 | 0.02  | 2.070 | 2.908 |
|     | LTE Band 41_<br>HPUE   | 20M | QPSK | 1   | 0  | - | Bottom Side | 0mm  | Ant 0 | DSI 6 | 41055           | 2636.5            | Open | 24.03 | 25.40 | 1.371 | 42.9 | 1.009 | 0.01  | 2.280 | 3.154 |
|     | LTE Band 41C_<br>HPUE  | 20M | QPSK | 1   | 0  | - | Bottom Side | 0mm  | Ant 0 | DSI 6 | 41055+<br>41253 | 2636.5+<br>2656.3 | Open | 23.95 | 25.40 | 1.396 | 42.9 | 1.009 | 0.09  | 2.120 | 2.987 |
|     | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Back        | 6mm  | Ant 0 | DSI 4 | 41055           | 2636.5            | Open | 23.31 | 24.00 | 1.172 | 62.9 | 1.006 | 0.08  | 0.415 | 0.489 |
|     | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Back        | 6mm  | Ant 0 | DSI 4 | 41055           | 2636.5            | Open | 23.25 | 24.00 | 1.189 | 62.9 | 1.006 | -0.01 | 0.422 | 0.505 |
|     | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Bottom Side | 11mm | Ant 0 | DSI 4 | 41055           | 2636.5            | Open | 23.31 | 24.00 | 1.172 | 62.9 | 1.006 | 0.05  | 0.318 | 0.375 |
|     | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Bottom Side | 11mm | Ant 0 | DSI 4 | 41055           | 2636.5            | Open | 23.25 | 24.00 | 1.189 | 62.9 | 1.006 | 0.01  | 0.326 | 0.390 |
|     | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Front       | 0mm  | Ant 1 | DSI 6 | 40620           | 2593              | Open | 22.09 | 23.00 | 1.233 | 62.9 | 1.006 | 0.16  | 1.070 | 1.327 |
|     | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Front       | 0mm  | Ant 1 | DSI 6 | 40620           | 2593              | Open | 22.03 | 23.00 | 1.250 | 62.9 | 1.006 | -0.16 | 1.110 | 1.396 |
|     | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Back        | 0mm  | Ant 1 | DSI 6 | 40620           | 2593              | Open | 22.09 | 23.00 | 1.233 | 62.9 | 1.006 | 0.04  | 1.150 | 1.427 |
|     | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Back        | 0mm  | Ant 1 | DSI 6 | 40620           | 2593              | Open | 22.03 | 23.00 | 1.250 | 62.9 | 1.006 | 0.12  | 1.150 | 1.446 |
|     | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Left Side   | 0mm  | Ant 1 | DSI 6 | 40620           | 2593              | Open | 22.09 | 23.00 | 1.233 | 62.9 | 1.006 | 0.02  | 1.970 | 2.444 |
|     | LTE Band 41C           | 20M | QPSK | 1   | 99 | - | Left Side   | 0mm  | Ant 1 | DSI 6 | 40620+<br>40818 | 2593+<br>2612.8   | Open | 21.88 | 23.00 | 1.294 | 62.9 | 1.006 | 0.07  | 1.650 | 2.148 |
|     | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Left Side   | 0mm  | Ant 1 | DSI 6 | 39750           | 2506              | Open | 21.89 | 23.00 | 1.291 | 62.9 | 1.006 | 0.19  | 1.420 | 1.845 |
|     | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Left Side   | 0mm  | Ant 1 | DSI 6 | 40185           | 2549.5            | Open | 22.04 | 23.00 | 1.247 | 62.9 | 1.006 | 0.15  | 1.840 | 2.309 |
|     | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Left Side   | 0mm  | Ant 1 | DSI 6 | 41055           | 2636.5            | Open | 21.92 | 23.00 | 1.282 | 62.9 | 1.006 | 0.1   | 1.410 | 1.819 |
|     | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Left Side   | 0mm  | Ant 1 | DSI 6 | 41490           | 2680              | Open | 21.88 | 23.00 | 1.294 | 62.9 | 1.006 | 0.04  | 1.070 | 1.393 |
|     | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Left Side   | 0mm  | Ant 1 | DSI 6 | 40620           | 2593              | Open | 22.03 | 23.00 | 1.250 | 62.9 | 1.006 | 0.03  | 1.900 | 2.390 |
|     | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Left Side   | 0mm  | Ant 1 | DSI 6 | 39750           | 2506              | Open | 21.81 | 23.00 | 1.315 | 62.9 | 1.006 | 0.11  | 1.470 | 1.945 |
|     | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Left Side   | 0mm  | Ant 1 | DSI 6 | 40185           | 2549.5            | Open | 21.95 | 23.00 | 1.274 | 62.9 | 1.006 | -0.05 | 1.530 | 1.960 |
|     | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Left Side   | 0mm  | Ant 1 | DSI 6 | 41055           | 2636.5            | Open | 21.85 | 23.00 | 1.303 | 62.9 | 1.006 | -0.12 | 1.370 | 1.796 |
|     | LTE Band 41            | 20M | QPSK | 100 | 0  | - | Left Side   | 0mm  | Ant 1 | DSI 6 | 40620           | 2593              | Open | 21.97 | 23.00 | 1.268 | 62.9 | 1.006 | 0.01  | 1.080 | 1.377 |
|     | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Left Side   | 0mm  | Ant 1 | DSI 6 | 40620           | 2593              | Open | 22.09 | 23.00 | 1.233 | 62.9 | 1.006 | 0.15  | 1.850 | 2.295 |
|     | LTE Band 41_<br>HPUE   | 20M | QPSK | 1   | 0  | - | Left Side   | 0mm  | Ant 1 | DSI 6 | 40620           | 2593              | Open | 23.85 | 24.60 | 1.189 | 42.9 | 1.009 | 0.09  | 2.020 | 2.422 |
|     | LTE Band 41C_<br>HPUE  | 20M | QPSK | 1   | 0  | - | Left Side   | 0mm  | Ant 1 | DSI 6 | 40620+<br>40818 | 2593+<br>2612.8   | Open | 23.66 | 24.60 | 1.242 | 42.9 | 1.009 | 0.05  | 1.840 | 2.305 |
|     | LTE Band 41            | 20M | QPSK | 1   | 0  | - | Front       | 8mm  | Ant 1 | DSI 4 | 40620           | 2593              | Open | 23.12 | 24.00 | 1.225 | 62.9 | 1.006 | 0.03  | 0.241 | 0.297 |
|     | LTE Band 41            | 20M | QPSK | 50  | 0  | - | Front       | 8mm  | Ant 1 | DSI 4 | 40620           | 2593              | Open | 23.08 | 24.00 | 1.236 | 62.9 | 1.006 | -0.01 | 0.245 | 0.305 |



# FCC SAR Test Report

Report No. : FA340401-01

|  |                    |     |      |     |   |   |             |      |       |       |                 |                 |      |       |       |       |      |       |       |       |       |
|--|--------------------|-----|------|-----|---|---|-------------|------|-------|-------|-----------------|-----------------|------|-------|-------|-------|------|-------|-------|-------|-------|
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Back        | 8mm  | Ant 1 | DSI 4 | 40620           | 2593            | Open | 23.12 | 24.00 | 1.225 | 62.9 | 1.006 | 0.05  | 0.251 | 0.309 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Back        | 8mm  | Ant 1 | DSI 4 | 40620           | 2593            | Open | 23.08 | 24.00 | 1.236 | 62.9 | 1.006 | 0.02  | 0.259 | 0.322 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Left Side   | 13mm | Ant 1 | DSI 4 | 40620           | 2593            | Open | 23.12 | 24.00 | 1.225 | 62.9 | 1.006 | 0.18  | 0.222 | 0.273 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Front       | 0mm  | Ant 2 | DSI 6 | 40620           | 2593            | Open | 21.76 | 23.00 | 1.330 | 62.9 | 1.006 | 0.12  | 0.913 | 1.222 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Front       | 0mm  | Ant 2 | DSI 6 | 40620           | 2593            | Open | 21.74 | 23.00 | 1.337 | 62.9 | 1.006 | 0.02  | 0.919 | 1.236 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Back        | 0mm  | Ant 2 | DSI 6 | 40620           | 2593            | Open | 21.76 | 23.00 | 1.330 | 62.9 | 1.006 | -0.09 | 1.320 | 1.767 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Back        | 0mm  | Ant 2 | DSI 6 | 39750           | 2506            | Open | 21.62 | 23.00 | 1.374 | 62.9 | 1.006 | 0.04  | 1.260 | 1.742 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Back        | 0mm  | Ant 2 | DSI 6 | 40185           | 2549.5          | Open | 21.64 | 23.00 | 1.368 | 62.9 | 1.006 | 0.14  | 1.260 | 1.734 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Back        | 0mm  | Ant 2 | DSI 6 | 41055           | 2636.5          | Open | 21.72 | 23.00 | 1.343 | 62.9 | 1.006 | 0.06  | 1.360 | 1.837 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Back        | 0mm  | Ant 2 | DSI 6 | 41490           | 2680            | Open | 21.58 | 23.00 | 1.387 | 62.9 | 1.006 | -0.11 | 1.390 | 1.939 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Back        | 0mm  | Ant 2 | DSI 6 | 40620           | 2593            | Open | 21.74 | 23.00 | 1.337 | 62.9 | 1.006 | -0.07 | 1.330 | 1.788 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Back        | 0mm  | Ant 2 | DSI 6 | 39750           | 2506            | Open | 21.59 | 23.00 | 1.384 | 62.9 | 1.006 | -0.16 | 1.280 | 1.782 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Back        | 0mm  | Ant 2 | DSI 6 | 40185           | 2549.5          | Open | 21.64 | 23.00 | 1.368 | 62.9 | 1.006 | -0.1  | 1.280 | 1.761 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Back        | 0mm  | Ant 2 | DSI 6 | 41055           | 2636.5          | Open | 21.65 | 23.00 | 1.365 | 62.9 | 1.006 | 0.02  | 1.380 | 1.894 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Back        | 0mm  | Ant 2 | DSI 6 | 41490           | 2680            | Open | 21.61 | 23.00 | 1.377 | 62.9 | 1.006 | 0.17  | 1.430 | 1.981 |
|  | LTE Band 41        | 20M | QPSK | 100 | 0 | - | Back        | 0mm  | Ant 2 | DSI 6 | 40620           | 2593            | Open | 21.69 | 23.00 | 1.352 | 62.9 | 1.006 | 0.03  | 1.330 | 1.809 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Bottom Side | 0mm  | Ant 2 | DSI 6 | 40620           | 2593            | Open | 21.76 | 23.00 | 1.330 | 62.9 | 1.006 | 0.04  | 1.380 | 1.847 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Bottom Side | 0mm  | Ant 2 | DSI 6 | 39750           | 2506            | Open | 21.62 | 23.00 | 1.374 | 62.9 | 1.006 | 0.05  | 1.330 | 1.838 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Bottom Side | 0mm  | Ant 2 | DSI 6 | 40185           | 2549.5          | Open | 21.64 | 23.00 | 1.368 | 62.9 | 1.006 | 0.05  | 1.330 | 1.830 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Bottom Side | 0mm  | Ant 2 | DSI 6 | 41055           | 2636.5          | Open | 21.72 | 23.00 | 1.343 | 62.9 | 1.006 | -0.07 | 1.260 | 1.702 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Bottom Side | 0mm  | Ant 2 | DSI 6 | 41490           | 2680            | Open | 21.58 | 23.00 | 1.387 | 62.9 | 1.006 | 0.04  | 1.500 | 2.093 |
|  | LTE Band 41C       | 20M | QPSK | 1   | 0 | - | Bottom Side | 0mm  | Ant 2 | DSI 6 | 41490+<br>41292 | 2680+<br>2660.2 | Open | 21.14 | 23.00 | 1.535 | 62.9 | 1.006 | 0.07  | 1.260 | 1.945 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Bottom Side | 0mm  | Ant 2 | DSI 6 | 40620           | 2593            | Open | 21.74 | 23.00 | 1.337 | 62.9 | 1.006 | 0.03  | 1.350 | 1.815 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Bottom Side | 0mm  | Ant 2 | DSI 6 | 39750           | 2506            | Open | 21.59 | 23.00 | 1.384 | 62.9 | 1.006 | -0.09 | 1.470 | 2.046 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Bottom Side | 0mm  | Ant 2 | DSI 6 | 40185           | 2549.5          | Open | 21.64 | 23.00 | 1.368 | 62.9 | 1.006 | -0.09 | 1.370 | 1.885 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Bottom Side | 0mm  | Ant 2 | DSI 6 | 41055           | 2636.5          | Open | 21.65 | 23.00 | 1.365 | 62.9 | 1.006 | -0.1  | 1.290 | 1.771 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Bottom Side | 0mm  | Ant 2 | DSI 6 | 41490           | 2680            | Open | 21.61 | 23.00 | 1.377 | 62.9 | 1.006 | 0.02  | 1.130 | 1.566 |
|  | LTE Band 41        | 20M | QPSK | 100 | 0 | - | Bottom Side | 0mm  | Ant 2 | DSI 6 | 40620           | 2593            | Open | 21.69 | 23.00 | 1.352 | 62.9 | 1.006 | 0.05  | 1.300 | 1.768 |
|  | LTE Band 41_ HPUE  | 20M | QPSK | 1   | 0 | - | Bottom Side | 0mm  | Ant 2 | DSI 6 | 41490           | 2680            | Open | 23.22 | 24.50 | 1.343 | 42.9 | 1.009 | 0.01  | 1.440 | 1.951 |
|  | LTE Band 41C_ HPUE | 20M | QPSK | 1   | 0 | - | Bottom Side | 0mm  | Ant 2 | DSI 6 | 41490+<br>41292 | 2680+<br>2660.2 | Open | 23.06 | 24.50 | 1.393 | 42.9 | 1.009 | 0.06  | 1.270 | 1.785 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Front       | 0mm  | Ant 3 | DSI 6 | 40620           | 2593            | Open | 21.98 | 23.20 | 1.324 | 62.9 | 1.006 | 0.03  | 1.210 | 1.612 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Front       | 0mm  | Ant 3 | DSI 6 | 39750           | 2506            | Open | 21.83 | 23.20 | 1.371 | 62.9 | 1.006 | 0.17  | 1.350 | 1.862 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Front       | 0mm  | Ant 3 | DSI 6 | 40185           | 2549.5          | Open | 21.89 | 23.20 | 1.352 | 62.9 | 1.006 | -0.01 | 1.230 | 1.673 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Front       | 0mm  | Ant 3 | DSI 6 | 41055           | 2636.5          | Open | 21.68 | 23.20 | 1.419 | 62.9 | 1.006 | -0.09 | 1.460 | 2.084 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Front       | 0mm  | Ant 3 | DSI 6 | 41490           | 2680            | Open | 21.62 | 23.20 | 1.439 | 62.9 | 1.006 | 0.01  | 1.710 | 2.475 |
|  | LTE Band 41C       | 20M | QPSK | 1   | 0 | - | Front       | 0mm  | Ant 3 | DSI 6 | 41490+<br>41292 | 2680+<br>2660.2 | Open | 21.35 | 23.20 | 1.531 | 62.9 | 1.006 | 0.07  | 1.280 | 1.972 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Front       | 0mm  | Ant 3 | DSI 6 | 40620           | 2593            | Open | 21.89 | 23.20 | 1.352 | 62.9 | 1.006 | -0.07 | 1.220 | 1.659 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Front       | 0mm  | Ant 3 | DSI 6 | 39750           | 2506            | Open | 21.77 | 23.20 | 1.390 | 62.9 | 1.006 | 0.09  | 1.360 | 1.902 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Front       | 0mm  | Ant 3 | DSI 6 | 40185           | 2549.5          | Open | 21.78 | 23.20 | 1.387 | 62.9 | 1.006 | -0.16 | 1.290 | 1.800 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Front       | 0mm  | Ant 3 | DSI 6 | 41055           | 2636.5          | Open | 21.71 | 23.20 | 1.409 | 62.9 | 1.006 | 0.06  | 1.450 | 2.056 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Front       | 0mm  | Ant 3 | DSI 6 | 41490           | 2680            | Open | 21.76 | 23.20 | 1.393 | 62.9 | 1.006 | 0.04  | 1.650 | 2.313 |
|  | LTE Band 41        | 20M | QPSK | 100 | 0 | - | Front       | 0mm  | Ant 3 | DSI 6 | 40620           | 2593            | Open | 21.90 | 23.20 | 1.349 | 62.9 | 1.006 | 0.03  | 1.210 | 1.642 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Back        | 0mm  | Ant 3 | DSI 6 | 40620           | 2593            | Open | 21.98 | 23.20 | 1.324 | 62.9 | 1.006 | -0.19 | 0.975 | 1.299 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Back        | 0mm  | Ant 3 | DSI 6 | 39750           | 2506            | Open | 21.83 | 23.20 | 1.371 | 62.9 | 1.006 | 0.03  | 1.080 | 1.489 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Back        | 0mm  | Ant 3 | DSI 6 | 40185           | 2549.5          | Open | 21.89 | 23.20 | 1.352 | 62.9 | 1.006 | 0.15  | 0.986 | 1.341 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Back        | 0mm  | Ant 3 | DSI 6 | 41055           | 2636.5          | Open | 21.68 | 23.20 | 1.419 | 62.9 | 1.006 | 0.06  | 1.060 | 1.513 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Back        | 0mm  | Ant 3 | DSI 6 | 41490           | 2680            | Open | 21.62 | 23.20 | 1.439 | 62.9 | 1.006 | -0.16 | 1.230 | 1.780 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Back        | 0mm  | Ant 3 | DSI 6 | 40620           | 2593            | Open | 21.89 | 23.20 | 1.352 | 62.9 | 1.006 | 0.06  | 1.000 | 1.360 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Back        | 0mm  | Ant 3 | DSI 6 | 39750           | 2506            | Open | 21.77 | 23.20 | 1.390 | 62.9 | 1.006 | -0.1  | 1.150 | 1.608 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Back        | 0mm  | Ant 3 | DSI 6 | 40185           | 2549.5          | Open | 21.78 | 23.20 | 1.387 | 62.9 | 1.006 | -0.17 | 1.060 | 1.479 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Back        | 0mm  | Ant 3 | DSI 6 | 41055           | 2636.5          | Open | 21.71 | 23.20 | 1.409 | 62.9 | 1.006 | -0.07 | 1.070 | 1.517 |
|  | LTE Band 41        | 20M | QPSK | 50  | 0 | - | Back        | 0mm  | Ant 3 | DSI 6 | 41490           | 2680            | Open | 21.76 | 23.20 | 1.393 | 62.9 | 1.006 | 0.01  | 1.250 | 1.752 |
|  | LTE Band 41        | 20M | QPSK | 100 | 0 | - | Back        | 0mm  | Ant 3 | DSI 6 | 40620           | 2593            | Open | 21.90 | 23.20 | 1.349 | 62.9 | 1.006 | -0.06 | 0.982 | 1.333 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Top Side    | 0mm  | Ant 3 | DSI 6 | 40620           | 2593            | Open | 21.98 | 23.20 | 1.324 | 62.9 | 1.006 | 0.02  | 1.480 | 1.972 |
|  | LTE Band 41        | 20M | QPSK | 1   | 0 | - | Top Side    | 0mm  | Ant 3 | DSI 6 | 39750           | 2506            | Open | 21.83 | 23.20 | 1.371 | 62.9 | 1.006 | -0.1  | 1.660 | 2.289 |



# FCC SAR Test Report

Report No. : FA340401-01

|     |                    |     |      |     |    |               |             |      |       |       |             |             |      |       |       |       |      |       |       |       |       |
|-----|--------------------|-----|------|-----|----|---------------|-------------|------|-------|-------|-------------|-------------|------|-------|-------|-------|------|-------|-------|-------|-------|
|     | LTE Band 41        | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 3 | DSI 6 | 40185       | 2549.5      | Open | 21.89 | 23.20 | 1.352 | 62.9 | 1.006 | 0.16  | 1.500 | 2.040 |
|     | LTE Band 41        | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 3 | DSI 6 | 41055       | 2636.5      | Open | 21.68 | 23.20 | 1.419 | 62.9 | 1.006 | 0.05  | 1.630 | 2.327 |
|     | LTE Band 41        | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 3 | DSI 6 | 41490       | 2680        | Open | 21.62 | 23.20 | 1.439 | 62.9 | 1.006 | 0.13  | 1.640 | 2.374 |
|     | LTE Band 41        | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm  | Ant 3 | DSI 6 | 40620       | 2593        | Open | 21.89 | 23.20 | 1.352 | 62.9 | 1.006 | 0.19  | 1.480 | 2.013 |
|     | LTE Band 41        | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm  | Ant 3 | DSI 6 | 39750       | 2506        | Open | 21.77 | 23.20 | 1.390 | 62.9 | 1.006 | 0.14  | 1.690 | 2.363 |
|     | LTE Band 41        | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm  | Ant 3 | DSI 6 | 40185       | 2549.5      | Open | 21.78 | 23.20 | 1.387 | 62.9 | 1.006 | -0.07 | 1.550 | 2.162 |
|     | LTE Band 41        | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm  | Ant 3 | DSI 6 | 41055       | 2636.5      | Open | 21.71 | 23.20 | 1.409 | 62.9 | 1.006 | 0.14  | 1.670 | 2.368 |
|     | LTE Band 41        | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm  | Ant 3 | DSI 6 | 41490       | 2680        | Open | 21.76 | 23.20 | 1.393 | 62.9 | 1.006 | 0.05  | 1.640 | 2.298 |
|     | LTE Band 41        | 20M | QPSK | 100 | 0  | -             | Top Side    | 0mm  | Ant 3 | DSI 6 | 40620       | 2593        | Open | 21.90 | 23.20 | 1.349 | 62.9 | 1.006 | 0.01  | 1.470 | 1.995 |
|     | LTE Band 41_ HPUE  | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 3 | DSI 6 | 41490       | 2680        | Open | 23.24 | 24.80 | 1.432 | 42.9 | 1.009 | -0.09 | 1.710 | 2.471 |
|     | LTE Band 41C_ HPUE | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 3 | DSI 6 | 41490+41292 | 2680+2660.2 | Open | 23.11 | 24.80 | 1.476 | 42.9 | 1.009 | 0.01  | 1.550 | 2.308 |
|     | LTE Band 41        | 20M | QPSK | 1   | 0  | -             | Front       | 9mm  | Ant 3 | DSI 4 | 41490       | 2680        | Open | 22.80 | 24.00 | 1.318 | 62.9 | 1.006 | 0.01  | 0.357 | 0.473 |
|     | LTE Band 41        | 20M | QPSK | 1   | 0  | -             | Back        | 4mm  | Ant 3 | DSI 4 | 41490       | 2680        | Open | 22.80 | 24.00 | 1.318 | 62.9 | 1.006 | -0.16 | 0.654 | 0.867 |
|     | LTE Band 41        | 20M | QPSK | 1   | 0  | -             | Top Side    | 9mm  | Ant 3 | DSI 4 | 41490       | 2680        | Open | 22.80 | 24.00 | 1.318 | 62.9 | 1.006 | 0.13  | 0.489 | 0.648 |
|     | FR1 n7             | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 0 | DSI 6 | 507000      | 2535        | Open | 20.74 | 22.20 | 1.400 | -    | -     | -0.16 | 0.740 | 1.036 |
|     | FR1 n7             | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Front       | 0mm  | Ant 0 | DSI 6 | 507000      | 2535        | Open | 20.53 | 22.20 | 1.469 | -    | -     | 0.05  | 1.470 | 2.159 |
|     | FR1 n7             | 40M | QPSK | 216 | 0  | DFT-SCS-15KHz | Front       | 0mm  | Ant 0 | DSI 6 | 507000      | 2535        | Open | 20.49 | 22.20 | 1.483 | -    | -     | 0.19  | 1.430 | 2.120 |
|     | FR1 n7             | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 507000      | 2535        | Open | 20.74 | 22.20 | 1.400 | -    | -     | 0.03  | 1.820 | 2.547 |
|     | FR1 n7             | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 507000      | 2535        | Open | 20.53 | 22.20 | 1.469 | -    | -     | -0.07 | 1.910 | 2.806 |
|     | FR1 n7             | 40M | QPSK | 216 | 0  | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 507000      | 2535        | Open | 20.49 | 22.20 | 1.483 | -    | -     | 0.05  | 1.810 | 2.683 |
|     | FR1 n7             | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Right Side  | 0mm  | Ant 0 | DSI 6 | 507000      | 2535        | Open | 20.74 | 22.20 | 1.400 | -    | -     | 0.02  | 0.860 | 1.204 |
|     | FR1 n7             | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Right Side  | 0mm  | Ant 0 | DSI 6 | 507000      | 2535        | Open | 20.53 | 22.20 | 1.469 | -    | -     | 0.09  | 0.790 | 1.160 |
| 125 | FR1 n7             | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 507000      | 2535        | Open | 20.74 | 22.20 | 1.400 | -    | -     | 0.02  | 2.290 | 3.205 |
|     | FR1 n7             | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 507000      | 2535        | Open | 20.53 | 22.20 | 1.469 | -    | -     | -0.05 | 2.110 | 3.099 |
|     | FR1 n7             | 40M | QPSK | 216 | 0  | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 507000      | 2535        | Open | 20.49 | 22.20 | 1.483 | -    | -     | 0.09  | 2.010 | 2.980 |
|     | FR1 n7 Main PA     | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 507000      | 2535        | Open | 20.48 | 22.20 | 1.486 | -    | -     | -0.14 | 1.400 | 2.080 |
|     | FR1 n7             | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 9mm  | Ant 0 | DSI 4 | 507000      | 2535        | Open | 20.58 | 21.40 | 1.208 | -    | -     | 0.06  | 0.440 | 0.531 |
|     | FR1 n7             | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Front       | 9mm  | Ant 0 | DSI 4 | 507000      | 2535        | Open | 20.58 | 21.40 | 1.208 | -    | -     | -0.14 | 0.465 | 0.562 |
|     | FR1 n7             | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 6mm  | Ant 0 | DSI 4 | 507000      | 2535        | Open | 20.58 | 21.40 | 1.208 | -    | -     | 0.02  | 0.922 | 1.114 |
|     | FR1 n7             | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Back        | 6mm  | Ant 0 | DSI 4 | 507000      | 2535        | Open | 20.58 | 21.40 | 1.208 | -    | -     | 0.01  | 0.928 | 1.121 |
|     | FR1 n7             | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Right Side  | 6mm  | Ant 0 | DSI 4 | 507000      | 2535        | Open | 20.58 | 21.40 | 1.208 | -    | -     | -0.06 | 0.341 | 0.412 |
|     | FR1 n7             | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Bottom Side | 11mm | Ant 0 | DSI 4 | 507000      | 2535        | Open | 20.58 | 21.40 | 1.208 | -    | -     | 0.03  | 0.565 | 0.682 |
|     | FR1 n7             | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | DSI 6 | 507000      | 2535        | Open | 20.76 | 21.40 | 1.159 | -    | -     | 0.16  | 1.870 | 2.167 |
|     | FR1 n7             | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | DSI 6 | 507000      | 2535        | Open | 20.58 | 21.40 | 1.208 | -    | -     | 0.14  | 1.950 | 2.355 |
|     | FR1 n7             | 40M | QPSK | 216 | 0  | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | DSI 6 | 507000      | 2535        | Open | 20.50 | 21.40 | 1.230 | -    | -     | -0.03 | 1.910 | 2.350 |
|     | FR1 n7             | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 1 | DSI 6 | 507000      | 2535        | Open | 20.76 | 21.40 | 1.159 | -    | -     | 0.06  | 2.010 | 2.329 |
|     | FR1 n7             | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Back        | 0mm  | Ant 1 | DSI 6 | 507000      | 2535        | Open | 20.58 | 21.40 | 1.208 | -    | -     | 0.06  | 1.920 | 2.319 |
|     | FR1 n7             | 40M | QPSK | 216 | 0  | DFT-SCS-15KHz | Back        | 0mm  | Ant 1 | DSI 6 | 507000      | 2535        | Open | 20.50 | 21.40 | 1.230 | -    | -     | 0.01  | 1.890 | 2.325 |
|     | FR1 n7             | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Left Side   | 0mm  | Ant 1 | DSI 6 | 507000      | 2535        | Open | 20.76 | 21.40 | 1.159 | -    | -     | 0.03  | 2.040 | 2.364 |
|     | FR1 n7             | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Left Side   | 0mm  | Ant 1 | DSI 6 | 507000      | 2535        | Open | 20.58 | 21.40 | 1.208 | -    | -     | 0.09  | 2.060 | 2.488 |
|     | FR1 n7             | 40M | QPSK | 216 | 0  | DFT-SCS-15KHz | Left Side   | 0mm  | Ant 1 | DSI 6 | 507000      | 2535        | Open | 20.50 | 21.40 | 1.230 | -    | -     | 0.03  | 2.020 | 2.485 |
|     | FR1 n7             | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Left Side   | 0mm  | Ant 1 | DSI 6 | 507000      | 2535        | Open | 20.76 | 21.40 | 1.159 | -    | -     | 0.05  | 1.430 | 1.657 |
|     | FR1 n7             | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Left Side   | 0mm  | Ant 1 | DSI 6 | 507000      | 2535        | Open | 20.58 | 21.40 | 1.208 | -    | -     | 0.01  | 1.450 | 1.751 |
|     | FR1 n7 Main PA     | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Left Side   | 0mm  | Ant 1 | DSI 6 | 507000      | 2535        | Open | 20.66 | 21.40 | 1.186 | -    | -     | -0.06 | 1.260 | 1.494 |
|     | FR1 n7             | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 8mm  | Ant 1 | DSI 4 | 507000      | 2535        | Open | 23.88 | 24.00 | 1.028 | -    | -     | 0.03  | 0.455 | 0.468 |
|     | FR1 n7             | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Front       | 8mm  | Ant 1 | DSI 4 | 507000      | 2535        | Open | 23.64 | 24.00 | 1.086 | -    | -     | 0.01  | 0.462 | 0.502 |
|     | FR1 n7             | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 8mm  | Ant 1 | DSI 4 | 507000      | 2535        | Open | 23.88 | 24.00 | 1.028 | -    | -     | -0.18 | 0.438 | 0.450 |
|     | FR1 n7             | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Left Side   | 13mm | Ant 1 | DSI 4 | 507000      | 2535        | Open | 23.88 | 24.00 | 1.028 | -    | -     | 0.05  | 0.255 | 0.262 |
|     | FR1 n7             | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Left Side   | 13mm | Ant 1 | DSI 4 | 507000      | 2535        | Open | 23.64 | 24.00 | 1.086 | -    | -     | 0.01  | 0.268 | 0.291 |
|     | FR1 n7             | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 2 | DSI 6 | 507000      | 2535        | Open | 21.91 | 23.00 | 1.285 | -    | -     | -0.19 | 2.020 | 2.596 |
|     | FR1 n7             | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Back        | 0mm  | Ant 2 | DSI 6 | 507000      | 2535        | Open | 21.86 | 23.00 | 1.300 | -    | -     | -0.08 | 2.200 | 2.860 |
|     | FR1 n7             | 40M | QPSK | 216 | 0  | DFT-SCS-15KHz | Back        | 0mm  | Ant 2 | DSI 6 | 507000      | 2535        | Open | 21.81 | 23.00 | 1.315 | -    | -     | 0.05  | 1.920 | 2.525 |
|     | FR1 n7             | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 507000      | 2535        | Open | 21.91 | 23.00 | 1.285 | -    | -     | 0.01  | 2.330 | 2.995 |
|     | FR1 n7             | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 507000      | 2535        | Open | 21.86 | 23.00 | 1.300 | -    | -     | 0.03  | 2.190 | 2.847 |
|     | FR1 n7             | 40M | QPSK | 216 | 0  | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 507000      | 2535        | Open | 21.81 | 23.00 | 1.315 | -    | -     | -0.14 | 1.920 | 2.525 |
|     | FR1 n7 Main PA     | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 507000      | 2535        | Open | 21.34 | 23.00 | 1.466 | -    | -     | 0.03  | 1.480 | 2.169 |



# FCC SAR Test Report

Report No. : FA340401-01

|     |                  |      |      |     |    |               |             |      |       |       |        |         |      |       |       |       |    |       |       |       |       |
|-----|------------------|------|------|-----|----|---------------|-------------|------|-------|-------|--------|---------|------|-------|-------|-------|----|-------|-------|-------|-------|
|     | FR1 n7           | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 8mm  | Ant 2 | DSI 4 | 507000 | 2535    | Open | 22.97 | 24.00 | 1.268 | -  | -     | 0.01  | 0.452 | 0.573 |
|     | FR1 n7           | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Back        | 8mm  | Ant 2 | DSI 4 | 507000 | 2535    | Open | 22.89 | 24.00 | 1.291 | -  | -     | 0.03  | 0.468 | 0.604 |
|     | FR1 n7           | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Bottom Side | 10mm | Ant 2 | DSI 4 | 507000 | 2535    | Open | 22.97 | 24.00 | 1.268 | -  | -     | 0.09  | 0.499 | 0.633 |
|     | FR1 n7           | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 3 | DSI 6 | 507000 | 2535    | Open | 21.40 | 22.20 | 1.202 | -  | -     | 0.06  | 1.550 | 1.864 |
|     | FR1 n7           | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Front       | 0mm  | Ant 3 | DSI 6 | 507000 | 2535    | Open | 21.24 | 22.20 | 1.247 | -  | -     | -0.04 | 1.540 | 1.921 |
|     | FR1 n7           | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 3 | DSI 6 | 507000 | 2535    | Open | 21.40 | 22.20 | 1.202 | -  | -     | 0.05  | 1.180 | 1.419 |
|     | FR1 n7           | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Back        | 0mm  | Ant 3 | DSI 6 | 507000 | 2535    | Open | 21.24 | 22.20 | 1.247 | -  | -     | 0.09  | 1.120 | 1.397 |
|     | FR1 n7           | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 507000 | 2535    | Open | 21.40 | 22.20 | 1.202 | -  | -     | -0.17 | 1.710 | 2.056 |
|     | FR1 n7           | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 507000 | 2535    | Open | 21.24 | 22.20 | 1.247 | -  | -     | 0.01  | 1.960 | 2.445 |
|     | FR1 n7           | 40M  | QPSK | 216 | 0  | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 507000 | 2535    | Open | 21.13 | 22.20 | 1.279 | -  | -     | -0.05 | 1.800 | 2.303 |
|     | FR1 n7 Main PA   | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 507000 | 2535    | Open | 21.21 | 22.20 | 1.256 | -  | -     | -0.02 | 1.510 | 1.897 |
|     | FR1 n7           | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 9mm  | Ant 3 | DSI 4 | 507000 | 2535    | Open | 23.42 | 24.00 | 1.143 | -  | -     | 0.03  | 0.357 | 0.408 |
|     | FR1 n7           | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Front       | 9mm  | Ant 3 | DSI 4 | 507000 | 2535    | Open | 23.14 | 24.00 | 1.219 | -  | -     | -0.01 | 0.389 | 0.474 |
|     | FR1 n7           | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 4mm  | Ant 3 | DSI 4 | 507000 | 2535    | Open | 23.42 | 24.00 | 1.143 | -  | -     | 0.02  | 0.623 | 0.712 |
|     | FR1 n7           | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Top Side    | 9mm  | Ant 3 | DSI 4 | 507000 | 2535    | Open | 23.42 | 24.00 | 1.143 | -  | -     | 0.06  | 0.455 | 0.520 |
|     | FR1 n7           | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Top Side    | 9mm  | Ant 3 | DSI 4 | 507000 | 2535    | Open | 23.14 | 24.00 | 1.219 | -  | -     | 0.08  | 0.462 | 0.563 |
|     | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back        | 0mm  | Ant 0 | DSI 6 | 518598 | 2592.99 | Open | 21.01 | 22.00 | 1.256 | -  | -     | -0.16 | 2.170 | 2.726 |
|     | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back        | 0mm  | Ant 0 | DSI 6 | 518598 | 2592.99 | Open | 20.87 | 22.00 | 1.297 | -  | -     | -0.05 | 2.020 | 2.620 |
|     | FR1 n41          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Back        | 0mm  | Ant 0 | DSI 6 | 518598 | 2592.99 | Open | 20.68 | 22.00 | 1.355 | -  | -     | -0.04 | 1.930 | 2.616 |
| 126 | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 518598 | 2592.99 | Open | 21.01 | 22.00 | 1.256 | -  | -     | 0.09  | 2.530 | 3.178 |
|     | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 518598 | 2592.99 | Open | 20.87 | 22.00 | 1.297 | -  | -     | 0.05  | 2.310 | 2.996 |
|     | FR1 n41          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 518598 | 2592.99 | Open | 20.68 | 22.00 | 1.355 | -  | -     | 0.07  | 2.300 | 3.117 |
|     | FR1 n41_HPUE     | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 518598 | 2592.99 | Open | 23.86 | 25.00 | 1.300 | 50 | 1.000 | 0.04  | 2.330 | 3.029 |
|     | FR1 n41 Main PA  | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 518598 | 2592.99 | Open | 21.01 | 22.00 | 1.256 | -  | -     | 0.1   | 2.310 | 2.901 |
|     | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back        | 6mm  | Ant 0 | DSI 4 | 518598 | 2592.99 | Open | 23.03 | 24.00 | 1.250 | -  | -     | 0.07  | 0.915 | 1.144 |
|     | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Bottom Side | 11mm | Ant 0 | DSI 4 | 518598 | 2592.99 | Open | 23.03 | 24.00 | 1.250 | -  | -     | -0.18 | 0.623 | 0.779 |
|     | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back        | 0mm  | Ant 1 | DSI 6 | 518598 | 2592.99 | Open | 20.15 | 21.50 | 1.365 | -  | -     | -0.15 | 1.450 | 1.979 |
|     | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back        | 0mm  | Ant 1 | DSI 6 | 518598 | 2592.99 | Open | 20.13 | 21.50 | 1.371 | -  | -     | -0.13 | 1.090 | 1.494 |
|     | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 1 | DSI 6 | 518598 | 2592.99 | Open | 20.15 | 21.50 | 1.365 | -  | -     | -0.09 | 1.810 | 2.470 |
|     | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 1 | DSI 6 | 518598 | 2592.99 | Open | 20.13 | 21.50 | 1.371 | -  | -     | 0.16  | 1.230 | 1.686 |
|     | FR1 n41          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 1 | DSI 6 | 518598 | 2592.99 | Open | 20.04 | 21.50 | 1.400 | -  | -     | -0.12 | 1.210 | 1.694 |
|     | FR1 n41_HPUE     | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 1 | DSI 6 | 518598 | 2592.99 | Open | 23.04 | 24.50 | 1.400 | 50 | 1.000 | -0.13 | 1.700 | 2.379 |
|     | FR1 n41 Other PA | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 1 | DSI 6 | 518598 | 2592.99 | Open | 20.71 | 21.50 | 1.199 | -  | -     | 0.08  | 1.210 | 1.451 |
|     | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back        | 8mm  | Ant 1 | DSI 4 | 518598 | 2592.99 | Open | 23.73 | 24.00 | 1.064 | -  | -     | 0.03  | 0.524 | 0.558 |
|     | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side   | 13mm | Ant 1 | DSI 4 | 518598 | 2592.99 | Open | 23.73 | 24.00 | 1.064 | -  | -     | -0.12 | 0.426 | 0.453 |
|     | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back        | 0mm  | Ant 2 | DSI 6 | 518598 | 2592.99 | Open | 21.59 | 22.50 | 1.233 | -  | -     | -0.11 | 2.380 | 2.935 |
|     | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back        | 0mm  | Ant 2 | DSI 6 | 518598 | 2592.99 | Open | 21.41 | 22.50 | 1.285 | -  | -     | 0.07  | 2.340 | 3.008 |
|     | FR1 n41          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Back        | 0mm  | Ant 2 | DSI 6 | 518598 | 2592.99 | Open | 21.49 | 22.50 | 1.262 | -  | -     | 0.13  | 2.220 | 2.801 |
|     | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 518598 | 2592.99 | Open | 21.59 | 22.50 | 1.233 | -  | -     | 0.03  | 2.570 | 3.169 |
|     | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 518598 | 2592.99 | Open | 21.41 | 22.50 | 1.285 | -  | -     | -0.06 | 2.310 | 2.969 |
|     | FR1 n41          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 518598 | 2592.99 | Open | 21.49 | 22.50 | 1.262 | -  | -     | -0.08 | 2.310 | 2.915 |
|     | FR1 n41_HPUE     | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 518598 | 2592.99 | Open | 24.73 | 25.50 | 1.194 | 50 | 1.000 | 0.09  | 2.520 | 3.009 |
|     | FR1 n41 Other PA | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 518598 | 2592.99 | Open | 21.52 | 22.50 | 1.253 | -  | -     | 0.18  | 2.300 | 2.882 |
|     | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back        | 8mm  | Ant 2 | DSI 4 | 518598 | 2592.99 | Open | 23.22 | 24.00 | 1.197 | -  | -     | 0.03  | 0.401 | 0.480 |
|     | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back        | 8mm  | Ant 2 | DSI 4 | 518598 | 2592.99 | Open | 22.86 | 24.00 | 1.300 | -  | -     | 0.01  | 0.422 | 0.549 |
|     | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Bottom Side | 10mm | Ant 2 | DSI 4 | 518598 | 2592.99 | Open | 23.22 | 24.00 | 1.197 | -  | -     | 0.05  | 0.336 | 0.402 |
|     | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front       | 0mm  | Ant 3 | DSI 6 | 518598 | 2592.99 | Open | 20.28 | 21.20 | 1.236 | -  | -     | 0.03  | 1.430 | 1.767 |
|     | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front       | 0mm  | Ant 3 | DSI 6 | 518598 | 2592.99 | Open | 20.13 | 21.20 | 1.279 | -  | -     | -0.08 | 1.390 | 1.778 |
|     | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back        | 0mm  | Ant 3 | DSI 6 | 518598 | 2592.99 | Open | 20.28 | 21.20 | 1.236 | -  | -     | 0.07  | 1.230 | 1.520 |
|     | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back        | 0mm  | Ant 3 | DSI 6 | 518598 | 2592.99 | Open | 20.13 | 21.20 | 1.279 | -  | -     | -0.08 | 1.040 | 1.331 |
|     | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 518598 | 2592.99 | Open | 20.28 | 21.20 | 1.236 | -  | -     | 0.06  | 2.010 | 2.484 |
|     | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 518598 | 2592.99 | Open | 20.13 | 21.20 | 1.279 | -  | -     | 0.17  | 1.870 | 2.392 |
|     | FR1 n41          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 518598 | 2592.99 | Open | 19.83 | 21.20 | 1.371 | -  | -     | 0.09  | 1.750 | 2.399 |
|     | FR1 n41_HPUE     | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 518598 | 2592.99 | Open | 23.34 | 24.20 | 1.219 | 50 | 1.000 | 0.04  | 2.030 | 2.475 |
|     | FR1 n41 Other PA | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 518598 | 2592.99 | Open | 20.26 | 21.20 | 1.242 | -  | -     | -0.11 | 1.920 | 2.384 |
|     | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front       | 9mm  | Ant 3 | DSI 4 | 518598 | 2592.99 | Open | 23.35 | 24.00 | 1.161 | -  | -     | 0.03  | 0.315 | 0.366 |



# FCC SAR Test Report

Report No. : FA340401-01

|         |              |      |      |     |    |               |            |     |       |       |                 |                 |      |       |       |       |      |       |       |       |       |
|---------|--------------|------|------|-----|----|---------------|------------|-----|-------|-------|-----------------|-----------------|------|-------|-------|-------|------|-------|-------|-------|-------|
|         | FR1 n41      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front      | 9mm | Ant 3 | DSI 4 | 518598          | 2592.99         | Open | 23.23 | 24.00 | 1.194 | -    | -     | 0.01  | 0.345 | 0.412 |
|         | FR1 n41      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back       | 4mm | Ant 3 | DSI 4 | 518598          | 2592.99         | Open | 23.35 | 24.00 | 1.161 | -    | -     | -0.05 | 0.345 | 0.401 |
|         | FR1 n41      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side   | 9mm | Ant 3 | DSI 4 | 518598          | 2592.99         | Open | 23.35 | 24.00 | 1.161 | -    | -     | 0.01  | 0.322 | 0.374 |
| 3500MHz |              |      |      |     |    |               |            |     |       |       |                 |                 |      |       |       |       |      |       |       |       |       |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Front      | 0mm | Ant 1 | DSI 6 | 55830           | 3609            | Open | 19.20 | 20.00 | 1.202 | 62.9 | 1.006 | -0.06 | 0.292 | 0.353 |
|         | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Front      | 0mm | Ant 1 | DSI 6 | 55830           | 3609            | Open | 19.08 | 20.00 | 1.236 | 62.9 | 1.006 | -0.05 | 0.612 | 0.761 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Back       | 0mm | Ant 1 | DSI 6 | 55830           | 3609            | Open | 19.20 | 20.00 | 1.202 | 62.9 | 1.006 | 0.08  | 0.248 | 0.300 |
|         | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Back       | 0mm | Ant 1 | DSI 6 | 55830           | 3609            | Open | 19.08 | 20.00 | 1.236 | 62.9 | 1.006 | -0.11 | 0.533 | 0.663 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Left Side  | 0mm | Ant 1 | DSI 6 | 55830           | 3609            | Open | 19.20 | 20.00 | 1.202 | 62.9 | 1.006 | -0.04 | 0.786 | 0.951 |
|         | LTE Band 48C | 20M  | QPSK | 1   | 0  | -             | Left Side  | 0mm | Ant 1 | DSI 6 | 55830+<br>56028 | 3609+<br>3628.8 | Open | 13.80 | 15.00 | 1.318 | 62.9 | 1.006 | 0.01  | 0.204 | 0.271 |
|         | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Left Side  | 0mm | Ant 1 | DSI 6 | 55830           | 3609            | Open | 19.08 | 20.00 | 1.236 | 62.9 | 1.006 | -0.03 | 0.723 | 0.899 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Front      | 0mm | Ant 3 | DSI 6 | 55830           | 3609            | Open | 19.95 | 20.80 | 1.216 | 62.9 | 1.006 | 0.06  | 1.360 | 1.664 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Front      | 0mm | Ant 3 | DSI 6 | 55340           | 3560            | Open | 19.80 | 20.80 | 1.259 | 62.9 | 1.006 | -0.08 | 1.390 | 1.760 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Front      | 0mm | Ant 3 | DSI 6 | 56150           | 3641            | Open | 19.82 | 20.80 | 1.253 | 62.9 | 1.006 | 0.13  | 1.290 | 1.626 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Front      | 0mm | Ant 3 | DSI 6 | 56640           | 3690            | Open | 19.88 | 20.80 | 1.236 | 62.9 | 1.006 | 0.12  | 1.600 | 1.989 |
|         | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Front      | 0mm | Ant 3 | DSI 6 | 55830           | 3609            | Open | 19.85 | 20.80 | 1.245 | 62.9 | 1.006 | 0.03  | 1.200 | 1.502 |
|         | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Front      | 0mm | Ant 3 | DSI 6 | 55340           | 3560            | Open | 19.71 | 20.80 | 1.285 | 62.9 | 1.006 | 0.06  | 1.210 | 1.565 |
|         | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Front      | 0mm | Ant 3 | DSI 6 | 56150           | 3641            | Open | 19.74 | 20.80 | 1.276 | 62.9 | 1.006 | 0.09  | 1.130 | 1.451 |
|         | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Front      | 0mm | Ant 3 | DSI 6 | 56640           | 3690            | Open | 19.77 | 20.80 | 1.268 | 62.9 | 1.006 | 0.02  | 1.350 | 1.722 |
|         | LTE Band 48  | 20M  | QPSK | 100 | 0  | -             | Front      | 0mm | Ant 3 | DSI 6 | 55830           | 3609            | Open | 19.83 | 20.80 | 1.250 | 62.9 | 1.006 | 0.14  | 1.190 | 1.497 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Back       | 0mm | Ant 3 | DSI 6 | 55830           | 3609            | Open | 19.95 | 20.80 | 1.216 | 62.9 | 1.006 | 0.12  | 0.891 | 1.090 |
|         | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Back       | 0mm | Ant 3 | DSI 6 | 55830           | 3609            | Open | 19.85 | 20.80 | 1.245 | 62.9 | 1.006 | -0.03 | 0.755 | 0.945 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Top Side   | 0mm | Ant 3 | DSI 6 | 55830           | 3609            | Open | 19.95 | 20.80 | 1.216 | 62.9 | 1.006 | 0.03  | 1.360 | 1.664 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Top Side   | 0mm | Ant 3 | DSI 6 | 55340           | 3560            | Open | 19.80 | 20.80 | 1.259 | 62.9 | 1.006 | 0.17  | 1.330 | 1.684 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Top Side   | 0mm | Ant 3 | DSI 6 | 56150           | 3641            | Open | 19.82 | 20.80 | 1.253 | 62.9 | 1.006 | 0.08  | 1.340 | 1.689 |
| 127     | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Top Side   | 0mm | Ant 3 | DSI 6 | 56640           | 3690            | Open | 19.88 | 20.80 | 1.236 | 62.9 | 1.006 | 0.07  | 1.980 | 2.462 |
|         | LTE Band 48C | 20M  | QPSK | 1   | 0  | -             | Top Side   | 0mm | Ant 3 | DSI 6 | 56640+<br>56442 | 3690+<br>3670.2 | Open | 16.47 | 17.50 | 1.268 | 62.9 | 1.006 | 0.01  | 0.879 | 1.121 |
|         | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Top Side   | 0mm | Ant 3 | DSI 6 | 55830           | 3609            | Open | 19.85 | 20.80 | 1.245 | 62.9 | 1.006 | 0.04  | 1.200 | 1.502 |
|         | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Top Side   | 0mm | Ant 3 | DSI 6 | 55340           | 3560            | Open | 19.71 | 20.80 | 1.285 | 62.9 | 1.006 | 0.02  | 1.100 | 1.422 |
|         | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Top Side   | 0mm | Ant 3 | DSI 6 | 56150           | 3641            | Open | 19.74 | 20.80 | 1.276 | 62.9 | 1.006 | -0.12 | 1.170 | 1.502 |
|         | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Top Side   | 0mm | Ant 3 | DSI 6 | 56640           | 3690            | Open | 19.77 | 20.80 | 1.268 | 62.9 | 1.006 | -0.11 | 1.710 | 2.181 |
|         | LTE Band 48  | 20M  | QPSK | 100 | 0  | -             | Top Side   | 0mm | Ant 3 | DSI 6 | 55830           | 3609            | Open | 19.83 | 20.80 | 1.250 | 62.9 | 1.006 | 0.08  | 1.200 | 1.509 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Front      | 9mm | Ant 3 | DSI 4 | 56640           | 3690            | Open | 21.83 | 23.00 | 1.309 | 62.9 | 1.006 | 0.03  | 0.645 | 0.849 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Back       | 4mm | Ant 3 | DSI 4 | 55830           | 3609            | Open | 21.90 | 23.00 | 1.288 | 62.9 | 1.006 | 0.01  | 0.503 | 0.652 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Top Side   | 9mm | Ant 3 | DSI 4 | 56640           | 3690            | Open | 21.83 | 23.00 | 1.309 | 62.9 | 1.006 | 0.05  | 0.651 | 0.857 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Front      | 0mm | Ant 5 | DSI 6 | 55830           | 3609            | Open | 22.63 | 23.30 | 1.167 | 62.9 | 1.006 | 0.01  | 1.690 | 1.984 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Front      | 0mm | Ant 5 | DSI 6 | 55340           | 3560            | Open | 22.49 | 23.30 | 1.205 | 62.9 | 1.006 | 0.1   | 1.900 | 2.303 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Front      | 0mm | Ant 5 | DSI 6 | 56150           | 3641            | Open | 22.55 | 23.30 | 1.189 | 62.9 | 1.006 | -0.03 | 1.540 | 1.841 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Front      | 0mm | Ant 5 | DSI 6 | 56640           | 3690            | Open | 22.38 | 23.30 | 1.236 | 62.9 | 1.006 | 0.06  | 1.370 | 1.703 |
|         | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Front      | 0mm | Ant 5 | DSI 6 | 55830           | 3609            | Open | 22.54 | 23.30 | 1.191 | 62.9 | 1.006 | -0.03 | 1.470 | 1.762 |
|         | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Front      | 0mm | Ant 5 | DSI 6 | 55340           | 3560            | Open | 22.45 | 23.30 | 1.216 | 62.9 | 1.006 | 0.1   | 1.670 | 2.043 |
|         | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Front      | 0mm | Ant 5 | DSI 6 | 56150           | 3641            | Open | 22.52 | 23.30 | 1.197 | 62.9 | 1.006 | -0.01 | 1.340 | 1.613 |
|         | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Front      | 0mm | Ant 5 | DSI 6 | 56640           | 3690            | Open | 22.27 | 23.30 | 1.268 | 62.9 | 1.006 | 0.02  | 1.190 | 1.518 |
|         | LTE Band 48  | 20M  | QPSK | 100 | 0  | -             | Front      | 0mm | Ant 5 | DSI 6 | 55830           | 3609            | Open | 22.46 | 23.30 | 1.213 | 62.9 | 1.006 | 0.1   | 1.450 | 1.770 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Back       | 0mm | Ant 5 | DSI 6 | 55830           | 3609            | Open | 22.63 | 23.30 | 1.167 | 62.9 | 1.006 | -0.18 | 1.400 | 1.643 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Back       | 0mm | Ant 5 | DSI 6 | 55340           | 3560            | Open | 22.49 | 23.30 | 1.205 | 62.9 | 1.006 | -0.13 | 1.600 | 1.940 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Back       | 0mm | Ant 5 | DSI 6 | 56150           | 3641            | Open | 22.55 | 23.30 | 1.189 | 62.9 | 1.006 | -0.04 | 1.250 | 1.495 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Back       | 0mm | Ant 5 | DSI 6 | 56640           | 3690            | Open | 22.38 | 23.30 | 1.236 | 62.9 | 1.006 | 0.06  | 1.050 | 1.306 |
|         | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Back       | 0mm | Ant 5 | DSI 6 | 55830           | 3609            | Open | 22.54 | 23.30 | 1.191 | 62.9 | 1.006 | 0.06  | 1.290 | 1.546 |
|         | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Back       | 0mm | Ant 5 | DSI 6 | 55340           | 3560            | Open | 22.45 | 23.30 | 1.216 | 62.9 | 1.006 | 0.03  | 1.410 | 1.725 |
|         | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Back       | 0mm | Ant 5 | DSI 6 | 56150           | 3641            | Open | 22.52 | 23.30 | 1.197 | 62.9 | 1.006 | 0.04  | 1.090 | 1.312 |
|         | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Back       | 0mm | Ant 5 | DSI 6 | 56640           | 3690            | Open | 22.27 | 23.30 | 1.268 | 62.9 | 1.006 | 0.09  | 0.929 | 1.185 |
|         | LTE Band 48  | 20M  | QPSK | 100 | 0  | -             | Back       | 0mm | Ant 5 | DSI 6 | 55830           | 3609            | Open | 22.46 | 23.30 | 1.213 | 62.9 | 1.006 | 0.02  | 1.250 | 1.526 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Right Side | 0mm | Ant 5 | DSI 6 | 55830           | 3609            | Open | 22.63 | 23.30 | 1.167 | 62.9 | 1.006 | -0.05 | 1.880 | 2.207 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Right Side | 0mm | Ant 5 | DSI 6 | 55340           | 3560            | Open | 22.49 | 23.30 | 1.205 | 62.9 | 1.006 | 0.01  | 2.030 | 2.461 |
|         | LTE Band 48C | 20M  | QPSK | 1   | 0  | -             | Right Side | 0mm | Ant 5 | DSI 6 | 55340+          | 3560+           | Open | 17.30 | 18.00 | 1.175 | 62.9 | 1.006 | 0.07  | 0.688 | 0.813 |



**Report No. : FA340401-01**

|     |             |     |      |     |    |               |             |      |       |       |        |         |      |       |       |       |      |       |       |       |       |
|-----|-------------|-----|------|-----|----|---------------|-------------|------|-------|-------|--------|---------|------|-------|-------|-------|------|-------|-------|-------|-------|
|     |             |     |      |     |    |               |             |      |       |       | 55538  | 3579.8  |      |       |       |       |      |       |       |       |       |
|     | LTE Band 48 | 20M | QPSK | 1   | 0  | -             | Right Side  | 0mm  | Ant 5 | DSI 6 | 56150  | 3641    | Open | 22.55 | 23.30 | 1.189 | 62.9 | 1.006 | 0.18  | 1.860 | 2.224 |
|     | LTE Band 48 | 20M | QPSK | 1   | 0  | -             | Right Side  | 0mm  | Ant 5 | DSI 6 | 56640  | 3690    | Open | 22.38 | 23.30 | 1.236 | 62.9 | 1.006 | 0.13  | 1.770 | 2.201 |
|     | LTE Band 48 | 20M | QPSK | 50  | 0  | -             | Right Side  | 0mm  | Ant 5 | DSI 6 | 55830  | 3609    | Open | 22.54 | 23.30 | 1.191 | 62.9 | 1.006 | -0.01 | 1.650 | 1.977 |
|     | LTE Band 48 | 20M | QPSK | 50  | 0  | -             | Right Side  | 0mm  | Ant 5 | DSI 6 | 55340  | 3560    | Open | 22.45 | 23.30 | 1.216 | 62.9 | 1.006 | 0.02  | 1.800 | 2.202 |
|     | LTE Band 48 | 20M | QPSK | 50  | 0  | -             | Right Side  | 0mm  | Ant 5 | DSI 6 | 56150  | 3641    | Open | 22.52 | 23.30 | 1.197 | 62.9 | 1.006 | 0.06  | 1.640 | 1.974 |
|     | LTE Band 48 | 20M | QPSK | 50  | 0  | -             | Right Side  | 0mm  | Ant 5 | DSI 6 | 56640  | 3690    | Open | 22.27 | 23.30 | 1.268 | 62.9 | 1.006 | 0.08  | 1.570 | 2.002 |
|     | LTE Band 48 | 20M | QPSK | 100 | 0  | -             | Right Side  | 0mm  | Ant 5 | DSI 6 | 55830  | 3609    | Open | 22.46 | 23.30 | 1.213 | 62.9 | 1.006 | 0.02  | 1.680 | 2.051 |
|     | LTE Band 48 | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 5 | DSI 4 | 55830  | 3609    | Open | 22.63 | 24.00 | 1.371 | 62.9 | 1.006 | 0.08  | 1.010 | 1.393 |
|     | LTE Band 48 | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm  | Ant 5 | DSI 4 | 55830  | 3609    | Open | 22.54 | 24.00 | 1.400 | 62.9 | 1.006 | -0.12 | 0.952 | 1.340 |
|     | LTE Band 48 | 20M | QPSK | 1   | 0  | -             | Front       | 10mm | Ant 5 | DSI 4 | 55340  | 3560    | Open | 22.49 | 24.00 | 1.416 | 62.9 | 1.006 | 0.05  | 0.712 | 1.014 |
|     | LTE Band 48 | 20M | QPSK | 1   | 0  | -             | Back        | 11mm | Ant 5 | DSI 4 | 55340  | 3560    | Open | 22.49 | 24.00 | 1.416 | 62.9 | 1.006 | 0.01  | 0.705 | 1.004 |
|     | LTE Band 48 | 20M | QPSK | 1   | 0  | -             | Right Side  | 11mm | Ant 5 | DSI 4 | 55340  | 3560    | Open | 22.49 | 24.00 | 1.416 | 62.9 | 1.006 | -0.03 | 0.625 | 0.890 |
|     | LTE Band 48 | 20M | QPSK | 1   | 0  | -             | Top Side    | 11mm | Ant 5 | DSI 4 | 55830  | 3609    | Open | 22.63 | 24.00 | 1.371 | 62.9 | 1.006 | 0.02  | 0.527 | 0.727 |
|     | FR1 n48     | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Right Side  | 0mm  | Ant 5 | DSI 6 | 641666 | 3624.99 | Open | 21.75 | 22.70 | 1.245 | -    | -     | 0.06  | 1.990 | 2.477 |
|     | FR1 n48     | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Right Side  | 0mm  | Ant 5 | DSI 6 | 638000 | 3570    | Open | 21.57 | 22.70 | 1.297 | -    | -     | 0.05  | 1.440 | 1.868 |
|     | FR1 n48     | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Right Side  | 0mm  | Ant 5 | DSI 6 | 645332 | 3679.98 | Open | 21.22 | 22.70 | 1.406 | -    | -     | 0.13  | 1.460 | 2.053 |
|     | FR1 n48     | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Right Side  | 0mm  | Ant 5 | DSI 6 | 641666 | 3624.99 | Open | 21.71 | 22.70 | 1.256 | -    | -     | 0.09  | 1.980 | 2.487 |
|     | FR1 n48     | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Right Side  | 0mm  | Ant 5 | DSI 6 | 638000 | 3570    | Open | 21.47 | 22.70 | 1.327 | -    | -     | 0.01  | 1.390 | 1.845 |
|     | FR1 n48     | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Right Side  | 0mm  | Ant 5 | DSI 6 | 645332 | 3679.98 | Open | 21.17 | 22.70 | 1.422 | -    | -     | 0.14  | 1.380 | 1.963 |
|     | FR1 n48     | 40M | QPSK | 100 | 0  | DFT-SCS-30KHz | Right Side  | 0mm  | Ant 5 | DSI 6 | 641666 | 3624.99 | Open | 21.59 | 22.70 | 1.291 | -    | -     | 0.09  | 1.620 | 2.092 |
|     | FR1 n48     | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side    | 0mm  | Ant 5 | DSI 4 | 641666 | 3624.99 | Open | 24.82 | 25.50 | 1.169 | -    | -     | 0.03  | 1.350 | 1.579 |
|     | FR1 n48     | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Top Side    | 0mm  | Ant 5 | DSI 4 | 641666 | 3624.99 | Open | 24.79 | 25.50 | 1.178 | -    | -     | 0.18  | 1.270 | 1.496 |
|     | FR1 n48     | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Right Side  | 11mm | Ant 5 | DSI 4 | 641666 | 3624.99 | Open | 24.82 | 25.50 | 1.169 | -    | -     | 0.05  | 0.245 | 0.287 |
|     | FR1 n48     | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Right Side  | 11mm | Ant 5 | DSI 4 | 641666 | 3624.99 | Open | 24.79 | 25.50 | 1.178 | -    | -     | 0.02  | 0.265 | 0.312 |
|     | FR1 n48     | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side    | 11mm | Ant 5 | DSI 4 | 641666 | 3624.99 | Open | 24.82 | 25.50 | 1.169 | -    | -     | 0.1   | 0.102 | 0.119 |
|     | FR1 n48     | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front       | 0mm  | Ant 1 | DSI 6 | 641666 | 3624.99 | Open | 21.75 | 23.00 | 1.334 | -    | -     | 0.04  | 0.957 | 1.276 |
|     | FR1 n48     | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Front       | 0mm  | Ant 1 | DSI 6 | 641666 | 3624.99 | Open | 21.69 | 23.00 | 1.352 | -    | -     | -0.18 | 0.819 | 1.107 |
|     | FR1 n48     | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 1 | DSI 6 | 641666 | 3624.99 | Open | 21.75 | 23.00 | 1.334 | -    | -     | 0.17  | 0.915 | 1.220 |
|     | FR1 n48     | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 1 | DSI 6 | 641666 | 3624.99 | Open | 21.69 | 23.00 | 1.352 | -    | -     | -0.14 | 0.927 | 1.253 |
|     | FR1 n48     | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 2 | DSI 6 | 641666 | 3624.99 | Open | 22.40 | 23.80 | 1.380 | -    | -     | 0.01  | 1.990 | 2.747 |
|     | FR1 n48     | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 2 | DSI 6 | 638000 | 3570    | Open | 22.30 | 23.80 | 1.413 | -    | -     | -0.06 | 1.540 | 2.175 |
|     | FR1 n48     | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 2 | DSI 6 | 645332 | 3679.98 | Open | 22.32 | 23.80 | 1.406 | -    | -     | -0.07 | 1.560 | 2.193 |
| 128 | FR1 n48     | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 2 | DSI 6 | 641666 | 3624.99 | Open | 22.32 | 23.80 | 1.406 | -    | -     | -0.16 | 2.260 | 3.178 |
|     | FR1 n48     | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 2 | DSI 6 | 638000 | 3570    | Open | 22.12 | 23.80 | 1.472 | -    | -     | 0.05  | 1.680 | 2.473 |
|     | FR1 n48     | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 2 | DSI 6 | 645332 | 3679.98 | Open | 22.17 | 23.80 | 1.455 | -    | -     | 0.01  | 1.640 | 2.387 |
|     | FR1 n48     | 40M | QPSK | 100 | 0  | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 2 | DSI 6 | 641666 | 3624.99 | Open | 22.25 | 23.00 | 1.189 | -    | -     | -0.16 | 1.530 | 1.818 |
|     | FR1 n48     | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 641666 | 3624.99 | Open | 22.40 | 23.80 | 1.380 | -    | -     | 0.05  | 1.650 | 2.278 |
|     | FR1 n48     | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 638000 | 3570    | Open | 22.30 | 23.80 | 1.413 | -    | -     | 0.02  | 1.410 | 1.992 |
|     | FR1 n48     | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 645332 | 3679.98 | Open | 22.32 | 23.80 | 1.406 | -    | -     | -0.05 | 1.430 | 2.011 |
|     | FR1 n48     | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 641666 | 3624.99 | Open | 22.32 | 23.80 | 1.406 | -    | -     | 0.03  | 1.520 | 2.137 |
|     | FR1 n48     | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 638000 | 3570    | Open | 22.12 | 23.80 | 1.472 | -    | -     | 0.04  | 1.220 | 1.796 |
|     | FR1 n48     | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 645332 | 3679.98 | Open | 22.17 | 23.80 | 1.455 | -    | -     | -0.17 | 1.260 | 1.834 |
|     | FR1 n48     | 40M | QPSK | 100 | 0  | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 641666 | 3624.99 | Open | 22.25 | 23.00 | 1.189 | -    | -     | 0.03  | 1.410 | 1.676 |
|     | FR1 n48     | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side   | 7mm  | Ant 2 | DSI 4 | 641666 | 3624.99 | Open | 22.40 | 23.80 | 1.380 | -    | -     | 0.04  | 0.565 | 0.780 |
|     | FR1 n48     | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Left Side   | 7mm  | Ant 2 | DSI 4 | 641666 | 3624.99 | Open | 22.32 | 23.80 | 1.406 | -    | -     | 0.02  | 0.588 | 0.827 |
|     | FR1 n48     | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Bottom Side | 10mm | Ant 2 | DSI 4 | 641666 | 3624.99 | Open | 22.40 | 23.80 | 1.380 | -    | -     | 0.06  | 0.354 | 0.489 |
|     | FR1 n48     | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front       | 0mm  | Ant 3 | DSI 6 | 641666 | 3624.99 | Open | 19.37 | 20.40 | 1.268 | -    | -     | 0.1   | 1.770 | 2.244 |
|     | FR1 n48     | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front       | 0mm  | Ant 3 | DSI 6 | 638000 | 3570    | Open | 18.86 | 20.40 | 1.426 | -    | -     | -0.08 | 1.510 | 2.153 |
|     | FR1 n48     | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front       | 0mm  | Ant 3 | DSI 6 | 645332 | 3679.98 | Open | 18.97 | 20.40 | 1.390 | -    | -     | 0.01  | 1.560 | 2.168 |
|     | FR1 n48     | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Front       | 0mm  | Ant 3 | DSI 6 | 641666 | 3624.99 | Open | 18.95 | 20.40 | 1.396 | -    | -     | 0.09  | 1.670 | 2.332 |
|     | FR1 n48     | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Front       | 0mm  | Ant 3 | DSI 6 | 638000 | 3570    | Open | 18.83 | 20.40 | 1.435 | -    | -     | 0.06  | 1.480 | 2.125 |
|     | FR1 n48     | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Front       | 0mm  | Ant 3 | DSI 6 | 645332 | 3679.98 | Open | 18.80 | 20.40 | 1.445 | -    | -     | 0.13  | 1.490 | 2.154 |
|     | FR1 n48     | 40M | QPSK | 100 | 0  | DFT-SCS-30KHz | Front       | 0mm  | Ant 3 | DSI 6 | 641666 | 3624.99 | Open | 18.77 | 20.40 | 1.455 | -    | -     | 0.02  | 1.520 | 2.212 |
|     | FR1 n48     | 40M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back        | 0mm  | Ant 3 | DSI 6 | 641666 | 3624.99 | Open | 19.37 | 20.40 | 1.268 | -    | -     | -0.01 | 1.110 | 1.407 |
|     | FR1 n48     | 40M | QPSK | 50  | 28 | DFT-SCS-30KHz | Back        | 0mm  | Ant 3 | DSI 6 | 641666 | 3624.99 | Open | 18.95 | 20.40 | 1.396 | -    | -     | -0.13 | 1.080 | 1.508 |



# FCC SAR Test Report

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|  |                 |      |      |     |    |               |             |      |       |       |        |         |      |       |       |       |    |       |       |       |       |
|--|-----------------|------|------|-----|----|---------------|-------------|------|-------|-------|--------|---------|------|-------|-------|-------|----|-------|-------|-------|-------|
|  | FR1 n48         | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 641666 | 3624.99 | Open | 19.37 | 20.40 | 1.268 | -  | -     | 0.01  | 1.940 | 2.459 |
|  | FR1 n48         | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 638000 | 3570    | Open | 18.86 | 20.40 | 1.426 | -  | -     | 0.05  | 1.610 | 2.295 |
|  | FR1 n48         | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 645332 | 3679.98 | Open | 18.97 | 20.40 | 1.390 | -  | -     | 0.01  | 1.680 | 2.335 |
|  | FR1 n48         | 40M  | QPSK | 50  | 28 | DFT-SCS-30KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 641666 | 3624.99 | Open | 18.95 | 20.40 | 1.396 | -  | -     | 0.03  | 1.720 | 2.402 |
|  | FR1 n48         | 40M  | QPSK | 50  | 28 | DFT-SCS-30KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 638000 | 3570    | Open | 18.83 | 20.40 | 1.435 | -  | -     | 0.07  | 1.410 | 2.024 |
|  | FR1 n48         | 40M  | QPSK | 50  | 28 | DFT-SCS-30KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 645332 | 3679.98 | Open | 18.80 | 20.40 | 1.445 | -  | -     | 0.18  | 1.450 | 2.096 |
|  | FR1 n48         | 40M  | QPSK | 100 | 0  | DFT-SCS-30KHz | Top Side    | 0mm  | Ant 3 | DSI 6 | 641666 | 3624.99 | Open | 18.77 | 20.40 | 1.455 | -  | -     | 0.02  | 1.560 | 2.271 |
|  | FR1 n48         | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Front       | 9mm  | Ant 3 | DSI 4 | 641666 | 3624.99 | Open | 23.91 | 24.50 | 1.146 | -  | -     | 0.07  | 0.645 | 0.739 |
|  | FR1 n48         | 40M  | QPSK | 50  | 28 | DFT-SCS-30KHz | Front       | 9mm  | Ant 3 | DSI 4 | 641666 | 3624.99 | Open | 23.78 | 24.50 | 1.180 | -  | -     | -0.08 | 0.503 | 0.594 |
|  | FR1 n48         | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Back        | 4mm  | Ant 3 | DSI 4 | 641666 | 3624.99 | Open | 23.91 | 24.50 | 1.146 | -  | -     | 0.02  | 0.511 | 0.585 |
|  | FR1 n48         | 40M  | QPSK | 50  | 28 | DFT-SCS-30KHz | Back        | 4mm  | Ant 3 | DSI 4 | 641666 | 3624.99 | Open | 23.78 | 24.50 | 1.180 | -  | -     | 0.06  | 0.525 | 0.620 |
|  | FR1 n48         | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side    | 9mm  | Ant 3 | DSI 4 | 641666 | 3624.99 | Open | 23.91 | 24.50 | 1.146 | -  | -     | 0.05  | 0.612 | 0.701 |
|  | FR1 n48         | 40M  | QPSK | 50  | 28 | DFT-SCS-30KHz | Top Side    | 9mm  | Ant 3 | DSI 4 | 641666 | 3624.99 | Open | 23.78 | 24.50 | 1.180 | -  | -     | 0.08  | 0.633 | 0.747 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 1 | DSI 6 | 656000 | 3840    | Open | 19.99 | 21.30 | 1.352 | -  | -     | -0.03 | 0.730 | 0.987 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 1 | DSI 6 | 656000 | 3840    | Open | 19.96 | 21.30 | 1.361 | -  | -     | 0.09  | 0.748 | 1.018 |
|  | FR1 n77_HPUE    | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 1 | DSI 6 | 656000 | 3840    | Open | 22.54 | 24.30 | 1.500 | 50 | 1.000 | 0.05  | 0.532 | 0.798 |
|  | FR1 n77 Main PA | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 1 | DSI 6 | 656000 | 3840    | Open | 19.74 | 21.30 | 1.432 | -  | -     | 0.09  | 0.551 | 0.789 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side   | 13mm | Ant 1 | DSI 4 | 656000 | 3840    | Open | 24.07 | 24.50 | 1.104 | -  | -     | 0.03  | 0.456 | 0.503 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Left Side   | 13mm | Ant 1 | DSI 4 | 656000 | 3840    | Open | 23.93 | 24.50 | 1.140 | -  | -     | 0.01  | 0.469 | 0.535 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front       | 0mm  | Ant 1 | DSI 6 | 633334 | 3500.01 | Open | 20.26 | 21.30 | 1.271 | -  | -     | -0.09 | 1.920 | 2.440 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front       | 0mm  | Ant 1 | DSI 6 | 633334 | 3500.01 | Open | 20.22 | 21.30 | 1.282 | -  | -     | 0.08  | 1.550 | 1.988 |
|  | FR1 n77         | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front       | 0mm  | Ant 1 | DSI 6 | 633334 | 3500.01 | Open | 20.20 | 21.30 | 1.288 | -  | -     | 0.02  | 1.330 | 1.713 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back        | 0mm  | Ant 1 | DSI 6 | 633334 | 3500.01 | Open | 20.26 | 21.30 | 1.271 | -  | -     | 0.04  | 1.810 | 2.300 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back        | 0mm  | Ant 1 | DSI 6 | 633334 | 3500.01 | Open | 20.22 | 21.30 | 1.282 | -  | -     | -0.11 | 1.360 | 1.744 |
|  | FR1 n77         | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Back        | 0mm  | Ant 1 | DSI 6 | 633334 | 3500.01 | Open | 20.20 | 21.30 | 1.288 | -  | -     | 0.08  | 1.400 | 1.804 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 1 | DSI 6 | 633334 | 3500.01 | Open | 20.26 | 21.30 | 1.271 | -  | -     | 0.03  | 1.110 | 1.410 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 1 | DSI 6 | 633334 | 3500.01 | Open | 20.22 | 21.30 | 1.282 | -  | -     | -0.17 | 1.160 | 1.488 |
|  | FR1 n77_HPUE    | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front       | 0mm  | Ant 1 | DSI 6 | 633334 | 3500.01 | Open | 23.24 | 24.30 | 1.276 | 50 | 1.000 | -0.02 | 1.850 | 2.361 |
|  | FR1 n77 Main PA | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front       | 0mm  | Ant 1 | DSI 6 | 633334 | 3500.01 | Open | 19.94 | 21.30 | 1.368 | -  | -     | 0.15  | 0.912 | 1.247 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front       | 8mm  | Ant 1 | DSI 4 | 633334 | 3500.01 | Open | 24.31 | 24.50 | 1.045 | -  | -     | 0.05  | 0.955 | 0.998 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back        | 8mm  | Ant 1 | DSI 4 | 633334 | 3500.01 | Open | 24.31 | 24.50 | 1.045 | -  | -     | 0.17  | 0.712 | 0.744 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side   | 13mm | Ant 1 | DSI 4 | 633334 | 3500.01 | Open | 24.31 | 24.50 | 1.045 | -  | -     | 0.06  | 0.652 | 0.681 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Left Side   | 13mm | Ant 1 | DSI 4 | 633334 | 3500.01 | Open | 24.25 | 24.50 | 1.059 | -  | -     | -0.03 | 0.655 | 0.694 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 2 | DSI 6 | 656000 | 3840    | Open | 23.65 | 24.00 | 1.084 | -  | -     | 0.04  | 2.030 | 2.200 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 2 | DSI 6 | 656000 | 3840    | Open | 23.50 | 24.00 | 1.122 | -  | -     | 0.02  | 2.030 | 2.278 |
|  | FR1 n77         | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 2 | DSI 6 | 656000 | 3840    | Open | 23.41 | 24.00 | 1.146 | -  | -     | 0.04  | 1.910 | 2.188 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 656000 | 3840    | Open | 23.65 | 24.00 | 1.084 | -  | -     | -0.06 | 2.190 | 2.374 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 656000 | 3840    | Open | 23.50 | 24.00 | 1.122 | -  | -     | 0.05  | 1.920 | 2.154 |
|  | FR1 n77         | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 656000 | 3840    | Open | 23.41 | 24.00 | 1.146 | -  | -     | 0.02  | 1.890 | 2.165 |
|  | FR1 n77_HPUE    | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 656000 | 3840    | Open | 26.62 | 27.00 | 1.091 | 50 | 1.000 | -0.06 | 2.130 | 2.325 |
|  | FR1 n77 Main PA | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 656000 | 3840    | Open | 22.33 | 23.00 | 1.167 | -  | -     | 0.03  | 1.150 | 1.342 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front       | 0mm  | Ant 2 | DSI 6 | 633334 | 3500.01 | Open | 23.97 | 24.00 | 1.007 | -  | -     | 0.06  | 2.190 | 2.205 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front       | 0mm  | Ant 2 | DSI 6 | 633334 | 3500.01 | Open | 23.92 | 24.00 | 1.019 | -  | -     | 0.18  | 2.270 | 2.312 |
|  | FR1 n77         | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front       | 0mm  | Ant 2 | DSI 6 | 633334 | 3500.01 | Open | 23.80 | 24.00 | 1.047 | -  | -     | 0.03  | 2.110 | 2.209 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 2 | DSI 6 | 633334 | 3500.01 | Open | 23.97 | 24.00 | 1.007 | -  | -     | 0.03  | 1.830 | 1.843 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 2 | DSI 6 | 633334 | 3500.01 | Open | 23.92 | 24.00 | 1.019 | -  | -     | 0.04  | 2.040 | 2.078 |
|  | FR1 n77         | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 2 | DSI 6 | 633334 | 3500.01 | Open | 23.80 | 24.00 | 1.047 | -  | -     | 0.01  | 1.950 | 2.042 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 633334 | 3500.01 | Open | 23.97 | 24.00 | 1.007 | -  | -     | -0.18 | 1.700 | 1.712 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 633334 | 3500.01 | Open | 23.92 | 24.00 | 1.019 | -  | -     | -0.01 | 1.810 | 1.844 |
|  | FR1 n77         | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 2 | DSI 6 | 633334 | 3500.01 | Open | 23.80 | 24.00 | 1.047 | -  | -     | 0.06  | 1.710 | 1.791 |
|  | FR1 n77_HPUE    | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front       | 0mm  | Ant 2 | DSI 6 | 633334 | 3500.01 | Open | 26.89 | 27.00 | 1.026 | 50 | 1.000 | 0.02  | 2.110 | 2.164 |
|  | FR1 n77 Main PA | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front       | 0mm  | Ant 2 | DSI 6 | 633334 | 3500.01 | Open | 22.30 | 23.00 | 1.175 | -  | -     | 0.18  | 1.270 | 1.492 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front       | 0mm  | Ant 3 | DSI 6 | 656000 | 3840    | Open | 18.24 | 19.50 | 1.337 | -  | -     | -0.01 | 1.100 | 1.470 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front       | 0mm  | Ant 3 | DSI 6 | 656000 | 3840    | Open | 18.17 | 19.50 | 1.358 | -  | -     | -0.08 | 0.884 | 1.201 |
|  | FR1 n77         | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back        | 0mm  | Ant 3 | DSI 6 | 656000 | 3840    | Open | 18.24 | 19.50 | 1.337 | -  | -     | -0.1  | 0.669 | 0.894 |
|  | FR1 n77         | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back        | 0mm  | Ant 3 | DSI 6 | 656000 | 3840    | Open | 18.17 | 19.50 | 1.358 | -  | -     | 0.08  | 0.539 | 0.732 |



# FCC SAR Test Report

Report No. : FA340401-01

|     |                  |      |      |     |    |               |            |      |       |       |        |         |      |       |       |       |    |       |       |       |       |
|-----|------------------|------|------|-----|----|---------------|------------|------|-------|-------|--------|---------|------|-------|-------|-------|----|-------|-------|-------|-------|
|     | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side   | 0mm  | Ant 3 | DSI 6 | 656000 | 3840    | Open | 18.24 | 19.50 | 1.337 | -  | -     | 0.09  | 1.570 | 2.098 |
|     | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Top Side   | 0mm  | Ant 3 | DSI 6 | 656000 | 3840    | Open | 18.17 | 19.50 | 1.358 | -  | -     | 0.05  | 1.120 | 1.521 |
|     | FR1 n77          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Top Side   | 0mm  | Ant 3 | DSI 6 | 656000 | 3840    | Open | 17.99 | 19.50 | 1.416 | -  | -     | 0.12  | 1.440 | 2.039 |
|     | FR1 n77_HPUE     | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side   | 0mm  | Ant 3 | DSI 6 | 656000 | 3840    | Open | 21.34 | 22.50 | 1.306 | 50 | 1.000 | 0.08  | 1.470 | 1.920 |
|     | FR1 n77 Other PA | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side   | 0mm  | Ant 3 | DSI 6 | 656000 | 3840    | Open | 18.21 | 19.50 | 1.346 | -  | -     | 0.07  | 0.753 | 1.013 |
|     | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front      | 9mm  | Ant 3 | DSI 4 | 656000 | 3840    | Open | 23.75 | 24.50 | 1.189 | -  | -     | 0.02  | 0.423 | 0.503 |
|     | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back       | 4mm  | Ant 3 | DSI 4 | 656000 | 3840    | Open | 23.75 | 24.50 | 1.189 | -  | -     | 0.06  | 1.010 | 1.200 |
|     | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side   | 9mm  | Ant 3 | DSI 4 | 656000 | 3840    | Open | 23.75 | 24.50 | 1.189 | -  | -     | 0.01  | 1.150 | 1.367 |
|     | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front      | 0mm  | Ant 3 | DSI 6 | 633334 | 3500.01 | Open | 18.46 | 19.50 | 1.271 | -  | -     | -0.07 | 1.340 | 1.703 |
|     | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front      | 0mm  | Ant 3 | DSI 6 | 633334 | 3500.01 | Open | 18.21 | 19.50 | 1.346 | -  | -     | 0.08  | 1.570 | 2.113 |
|     | FR1 n77          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front      | 0mm  | Ant 3 | DSI 6 | 633334 | 3500.01 | Open | 18.26 | 19.50 | 1.330 | -  | -     | 0.12  | 1.570 | 2.089 |
|     | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back       | 0mm  | Ant 3 | DSI 6 | 633334 | 3500.01 | Open | 18.46 | 19.50 | 1.271 | -  | -     | 0.05  | 0.706 | 0.897 |
|     | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back       | 0mm  | Ant 3 | DSI 6 | 633334 | 3500.01 | Open | 18.21 | 19.50 | 1.346 | -  | -     | 0.06  | 0.715 | 0.962 |
| 129 | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side   | 0mm  | Ant 3 | DSI 6 | 633334 | 3500.01 | Open | 18.46 | 19.50 | 1.271 | -  | -     | 0.09  | 1.960 | 2.490 |
|     | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Top Side   | 0mm  | Ant 3 | DSI 6 | 633334 | 3500.01 | Open | 18.21 | 19.50 | 1.346 | -  | -     | 0.16  | 1.820 | 2.449 |
|     | FR1 n77          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Top Side   | 0mm  | Ant 3 | DSI 6 | 633334 | 3500.01 | Open | 18.26 | 19.50 | 1.330 | -  | -     | 0.03  | 1.820 | 2.421 |
|     | FR1 n77_HPUE     | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side   | 0mm  | Ant 3 | DSI 6 | 633334 | 3500.01 | Open | 21.45 | 22.50 | 1.274 | 50 | 1.000 | 0.16  | 1.880 | 2.394 |
|     | FR1 n77 Other PA | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side   | 0mm  | Ant 3 | DSI 6 | 633334 | 3500.01 | Open | 18.45 | 19.50 | 1.274 | -  | -     | -0.04 | 0.930 | 1.184 |
|     | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front      | 9mm  | Ant 3 | DSI 4 | 633334 | 3500.01 | Open | 23.92 | 24.50 | 1.143 | -  | -     | 0.07  | 0.623 | 0.712 |
|     | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front      | 9mm  | Ant 3 | DSI 4 | 633334 | 3500.01 | Open | 23.75 | 24.50 | 1.189 | -  | -     | 0.06  | 0.644 | 0.765 |
|     | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back       | 4mm  | Ant 3 | DSI 4 | 633334 | 3500.01 | Open | 23.92 | 24.50 | 1.143 | -  | -     | 0.02  | 1.240 | 1.417 |
|     | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back       | 4mm  | Ant 3 | DSI 4 | 633334 | 3500.01 | Open | 23.75 | 24.50 | 1.189 | -  | -     | -0.06 | 1.290 | 1.533 |
|     | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side   | 9mm  | Ant 3 | DSI 4 | 633334 | 3500.01 | Open | 23.92 | 24.50 | 1.143 | -  | -     | 0.01  | 1.330 | 1.520 |
|     | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Right Side | 0mm  | Ant 5 | DSI 6 | 656000 | 3840    | Open | 21.42 | 22.20 | 1.197 | -  | -     | -0.06 | 1.900 | 2.274 |
|     | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Right Side | 0mm  | Ant 5 | DSI 6 | 656000 | 3840    | Open | 21.41 | 22.20 | 1.199 | -  | -     | 0.03  | 1.740 | 2.087 |
|     | FR1 n77          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Right Side | 0mm  | Ant 5 | DSI 6 | 656000 | 3840    | Open | 21.35 | 22.20 | 1.216 | -  | -     | 0.03  | 1.780 | 2.165 |
|     | FR1 n77_HPUE     | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Right Side | 0mm  | Ant 5 | DSI 6 | 656000 | 3840    | Open | 24.41 | 25.20 | 1.199 | 50 | 1.000 | 0.11  | 1.720 | 2.063 |
|     | FR1 n77 Other PA | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Right Side | 0mm  | Ant 5 | DSI 6 | 656000 | 3840    | Open | 21.73 | 22.20 | 1.114 | -  | -     | 0.11  | 0.888 | 0.989 |
|     | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Right Side | 11mm | Ant 5 | DSI 4 | 656000 | 3840    | Open | 24.48 | 25.00 | 1.127 | -  | -     | 0.09  | 0.245 | 0.276 |
|     | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front      | 0mm  | Ant 5 | DSI 6 | 633334 | 3500.01 | Open | 21.37 | 22.20 | 1.211 | -  | -     | -0.09 | 2.050 | 2.482 |
|     | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front      | 0mm  | Ant 5 | DSI 6 | 633334 | 3500.01 | Open | 21.14 | 22.20 | 1.276 | -  | -     | 0.05  | 1.810 | 2.310 |
|     | FR1 n77          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front      | 0mm  | Ant 5 | DSI 6 | 633334 | 3500.01 | Open | 21.20 | 22.20 | 1.259 | -  | -     | 0.16  | 1.820 | 2.291 |
|     | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back       | 0mm  | Ant 5 | DSI 6 | 633334 | 3500.01 | Open | 21.37 | 22.20 | 1.211 | -  | -     | 0.02  | 1.300 | 1.574 |
|     | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back       | 0mm  | Ant 5 | DSI 6 | 633334 | 3500.01 | Open | 21.14 | 22.20 | 1.276 | -  | -     | 0.08  | 1.110 | 1.417 |
|     | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Right Side | 0mm  | Ant 5 | DSI 6 | 633334 | 3500.01 | Open | 21.37 | 22.20 | 1.211 | -  | -     | -0.16 | 2.020 | 2.445 |
|     | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Right Side | 0mm  | Ant 5 | DSI 6 | 633334 | 3500.01 | Open | 21.14 | 22.20 | 1.276 | -  | -     | 0.15  | 1.740 | 2.221 |
|     | FR1 n77          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Right Side | 0mm  | Ant 5 | DSI 6 | 633334 | 3500.01 | Open | 21.20 | 22.20 | 1.259 | -  | -     | 0.07  | 1.680 | 2.115 |
|     | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side   | 0mm  | Ant 5 | DSI 4 | 633334 | 3500.01 | Open | 24.45 | 25.00 | 1.135 | -  | -     | 0.01  | 1.740 | 1.975 |
|     | FR1 n77          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Top Side   | 0mm  | Ant 5 | DSI 4 | 633334 | 3500.01 | Open | 24.38 | 25.00 | 1.153 | -  | -     | 0.09  | 1.720 | 1.984 |
|     | FR1 n77_HPUE     | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front      | 0mm  | Ant 5 | DSI 6 | 633334 | 3500.01 | Open | 24.38 | 25.20 | 1.208 | 50 | 1.000 | 0.08  | 1.850 | 2.234 |
|     | FR1 n77 Other PA | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front      | 0mm  | Ant 5 | DSI 6 | 633334 | 3500.01 | Open | 21.50 | 22.20 | 1.175 | -  | -     | -0.04 | 0.993 | 1.167 |
|     | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front      | 10mm | Ant 5 | DSI 4 | 633334 | 3500.01 | Open | 24.45 | 25.00 | 1.135 | -  | -     | 0.01  | 0.359 | 0.407 |
|     | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back       | 11mm | Ant 5 | DSI 4 | 633334 | 3500.01 | Open | 24.45 | 25.00 | 1.135 | -  | -     | 0.06  | 0.322 | 0.365 |
|     | FR1 n77          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Right Side | 11mm | Ant 5 | DSI 4 | 633334 | 3500.01 | Open | 24.45 | 25.00 | 1.135 | -  | -     | 0.02  | 0.245 | 0.278 |



| Plot No. | Band       | Mode                | Test Position | Gap (mm) | Antenna    | Power State          | Ch. | Freq. (MHz) | EUT Flip State | 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) |
|----------|------------|---------------------|---------------|----------|------------|----------------------|-----|-------------|----------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|-------------------------|-------------------------|
| WALN     |            |                     |               |          |            |                      |     |             |                |                     |                     |                        |              |                           |                  |                         |                         |
| 130      | WLAN2.4GHz | 802.11b 1Mbps       | Front         | 0mm      | Ant 4+6(6) | Standalone           | 1   | 2412        | Open           | 21.13               | 22.50               | 1.371                  | 100          | 1.000                     | -0.01            | 1.710                   | 2.344                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Front         | 0mm      | Ant 4+6(6) | Standalone           | 6   | 2437        | Open           | 21.06               | 22.50               | 1.393                  | 100          | 1.000                     | -0.08            | 1.680                   | 2.341                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Front         | 0mm      | Ant 4+6(4) | Standalone           | 11  | 2462        | Open           | 21.57               | 23.00               | 1.390                  | 100          | 1.000                     | -0.01            | 1.370                   | 1.904                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant 4+6(6) | Standalone           | 1   | 2412        | Open           | 21.13               | 22.50               | 1.371                  | 100          | 1.000                     | -0.06            | 1.370                   | 1.878                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Right Side    | 0mm      | Ant 4+6(6) | Standalone           | 1   | 2412        | Open           | 21.13               | 22.50               | 1.371                  | 100          | 1.000                     | -0.04            | 0.868                   | 1.190                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Top Side      | 0mm      | Ant 4+6(6) | Standalone           | 1   | 2412        | Open           | 21.13               | 22.50               | 1.371                  | 100          | 1.000                     | 0.03             | 1.770                   | 2.426                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Top Side      | 0mm      | Ant 4+6(6) | Standalone           | 6   | 2437        | Open           | 21.06               | 22.50               | 1.393                  | 100          | 1.000                     | 0.04             | 1.710                   | 2.382                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Top Side      | 0mm      | Ant 4+6(4) | Standalone           | 11  | 2462        | Open           | 21.57               | 23.00               | 1.390                  | 100          | 1.000                     | 0.01             | 1.540                   | 2.141                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Front         | 0mm      | Ant 4+6(6) | DBS only             | 1   | 2412        | Open           | 19.66               | 21.00               | 1.361                  | 100          | 1.000                     | 0.05             | 1.200                   | 1.634                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant 4+6(6) | DBS only             | 1   | 2412        | Open           | 19.66               | 21.00               | 1.361                  | 100          | 1.000                     | -0.17            | 0.951                   | 1.295                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Right Side    | 0mm      | Ant 4+6(6) | DBS only             | 1   | 2412        | Open           | 19.66               | 21.00               | 1.361                  | 100          | 1.000                     | -0.03            | 0.501                   | 0.682                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Top Side      | 0mm      | Ant 4+6(6) | DBS only             | 1   | 2412        | Open           | 19.66               | 21.00               | 1.361                  | 100          | 1.000                     | 0.01             | 1.260                   | 1.715                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Front         | 0mm      | Ant 4+6(6) | non DBS Simultaneous | 1   | 2412        | Open           | 17.08               | 18.50               | 1.387                  | 100          | 1.000                     | -0.09            | 0.618                   | 0.857                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant 4+6(6) | non DBS Simultaneous | 1   | 2412        | Open           | 17.08               | 18.50               | 1.387                  | 100          | 1.000                     | 0.03             | 0.451                   | 0.625                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Right Side    | 0mm      | Ant 4+6(6) | non DBS Simultaneous | 1   | 2412        | Open           | 17.08               | 18.50               | 1.387                  | 100          | 1.000                     | 0.02             | 0.225                   | 0.312                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Top Side      | 0mm      | Ant 4+6(6) | non DBS Simultaneous | 1   | 2412        | Open           | 17.08               | 18.50               | 1.387                  | 100          | 1.000                     | 0.01             | 0.652                   | 0.904                   |
| 131      | WLAN2.4GHz | 802.11b 1Mbps       | Front         | 0mm      | Ant 4+6(6) | DBS Simultaneous     | 1   | 2412        | Open           | 14.08               | 15.50               | 1.387                  | 100          | 1.000                     | -0.06            | 0.245                   | 0.340                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant 4+6(6) | DBS Simultaneous     | 1   | 2412        | Open           | 14.08               | 15.50               | 1.387                  | 100          | 1.000                     | 0.06             | 0.201                   | 0.279                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Right Side    | 0mm      | Ant 4+6(6) | DBS Simultaneous     | 1   | 2412        | Open           | 14.08               | 15.50               | 1.387                  | 100          | 1.000                     | 0.02             | 0.108                   | 0.150                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Top Side      | 0mm      | Ant 4+6(6) | DBS Simultaneous     | 1   | 2412        | Open           | 14.08               | 15.50               | 1.387                  | 100          | 1.000                     | 0.01             | 0.322                   | 0.447                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Front         | 8mm      | Ant 4+6(6) | Full Power           | 1   | 2412        | Open           | 21.13               | 22.50               | 1.371                  | 100          | 1.000                     | 0.01             | 0.512                   | 0.702                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 9mm      | Ant 4+6(6) | Full Power           | 1   | 2412        | Open           | 21.13               | 22.50               | 1.371                  | 100          | 1.000                     | 0.06             | 0.489                   | 0.670                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Right Side    | 11mm     | Ant 4+6(6) | Full Power           | 1   | 2412        | Open           | 21.13               | 22.50               | 1.371                  | 100          | 1.000                     | 0.02             | 0.125                   | 0.171                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Top Side      | 11mm     | Ant 4+6(6) | Full Power           | 1   | 2412        | Open           | 21.13               | 22.50               | 1.371                  | 100          | 1.000                     | 0.06             | 0.089                   | 0.122                   |
|          | WLAN5.2GHz | 802.11n-HT40 MCS0   | Front         | 0mm      | Ant 5+4(5) | Standalone&DBS only  | 46  | 5230        | Open           | 18.62               | 20.50               | 1.542                  | 100          | 1.000                     | 0.02             | 0.936                   | 1.443                   |
|          | WLAN5.2GHz | 802.11n-HT40 MCS0   | Back          | 0mm      | Ant 5+4(5) | Standalone&DBS only  | 46  | 5230        | Open           | 18.62               | 20.50               | 1.542                  | 100          | 1.000                     | 0.06             | 0.349                   | 0.538                   |
|          | WLAN5.2GHz | 802.11n-HT40 MCS0   | Left Side     | 0mm      | Ant 5+4(5) | Standalone&DBS only  | 46  | 5230        | Open           | 18.62               | 20.50               | 1.542                  | 100          | 1.000                     | 0.09             | 0.598                   | 0.922                   |
|          | WLAN5.2GHz | 802.11n-HT40 MCS0   | Right Side    | 0mm      | Ant 5+4(5) | Standalone&DBS only  | 46  | 5230        | Open           | 18.62               | 20.50               | 1.542                  | 100          | 1.000                     | 0.05             | 0.793                   | 1.223                   |
|          | WLAN5.2GHz | 802.11n-HT40 MCS0   | Top Side      | 0mm      | Ant 5+4(5) | Standalone&DBS only  | 46  | 5230        | Open           | 18.62               | 20.50               | 1.542                  | 100          | 1.000                     | 0.01             | 0.535                   | 0.825                   |
|          | WLAN5.2GHz | 802.11n-HT40 MCS0   | Front         | 0mm      | Ant 5+4(4) | non DBS Simultaneous | 46  | 5230        | Open           | 17.06               | 19.00               | 1.563                  | 100          | 1.000                     | -0.01            | 0.582                   | 0.910                   |
|          | WLAN5.2GHz | 802.11n-HT40 MCS0   | Back          | 0mm      | Ant 5+4(4) | non DBS Simultaneous | 46  | 5230        | Open           | 17.06               | 19.00               | 1.563                  | 100          | 1.000                     | -0.01            | 0.287                   | 0.449                   |
|          | WLAN5.2GHz | 802.11n-HT40 MCS0   | Left Side     | 0mm      | Ant 5+4(4) | non DBS Simultaneous | 46  | 5230        | Open           | 17.06               | 19.00               | 1.563                  | 100          | 1.000                     | -0.06            | 0.410                   | 0.641                   |
| 132      | WLAN5.2GHz | 802.11n-HT40 MCS0   | Right Side    | 0mm      | Ant 5+4(4) | non DBS Simultaneous | 46  | 5230        | Open           | 17.06               | 19.00               | 1.563                  | 100          | 1.000                     | -0.04            | 0.472                   | 0.738                   |
|          | WLAN5.2GHz | 802.11n-HT40 MCS0   | Top Side      | 0mm      | Ant 5+4(4) | non DBS Simultaneous | 46  | 5230        | Open           | 17.06               | 19.00               | 1.563                  | 100          | 1.000                     | 0.02             | 0.349                   | 0.546                   |
|          | WLAN5.2GHz | 802.11ac-VHT80 MCS0 | Front         | 0mm      | Ant 5+4(5) | DBS Simultaneous     | 42  | 5210        | Open           | 14.96               | 16.50               | 1.426                  | 100          | 1.000                     | -0.06            | 0.339                   | 0.483                   |
|          | WLAN5.2GHz | 802.11ac-VHT80 MCS0 | Back          | 0mm      | Ant 5+4(5) | DBS Simultaneous     | 42  | 5210        | Open           | 14.96               | 16.50               | 1.426                  | 100          | 1.000                     | -0.04            | 0.133                   | 0.190                   |
|          | WLAN5.2GHz | 802.11ac-VHT80 MCS0 | Left Side     | 0mm      | Ant 5+4(5) | DBS Simultaneous     | 42  | 5210        | Open           | 14.96               | 16.50               | 1.426                  | 100          | 1.000                     | -0.09            | 0.234                   | 0.334                   |
|          | WLAN5.2GHz | 802.11ac-VHT80 MCS0 | Right Side    | 0mm      | Ant 5+4(5) | DBS Simultaneous     | 42  | 5210        | Open           | 14.96               | 16.50               | 1.426                  | 100          | 1.000                     | 0.02             | 0.296                   | 0.422                   |
|          | WLAN5.2GHz | 802.11ac-VHT80 MCS0 | Top Side      | 0mm      | Ant 5+4(5) | DBS Simultaneous     | 42  | 5210        | Open           | 14.96               | 16.50               | 1.426                  | 100          | 1.000                     | 0.05             | 0.231                   | 0.329                   |
|          | WLAN5.2GHz | 802.11n-HT40 MCS0   | Front         | 8mm      | Ant 5+4(4) | Full Power           | 46  | 5230        | Open           | 18.95               | 20.50               | 1.429                  | 100          | 1.000                     | 0.04             | 0.066                   | 0.094                   |
|          | WLAN5.2GHz | 802.11n-HT40 MCS0   | Back          | 9mm      | Ant 5+4(4) | Full Power           | 46  | 5230        | Open           | 18.95               | 20.50               | 1.429                  | 100          | 1.000                     | 0.07             | 0.045                   | 0.064                   |
|          | WLAN5.2GHz | 802.11n-HT40 MCS0   | Left Side     | 10mm     | Ant 5+4(4) | Full Power           | 46  | 5230        | Open           | 18.95               | 20.50               | 1.429                  | 100          | 1.000                     | -0.15            | 0.049                   | 0.070                   |
|          | WLAN5.2GHz | 802.11n-HT40 MCS0   | Right Side    | 11mm     | Ant 5+4(4) | Full Power           | 46  | 5230        | Open           | 18.95               | 20.50               | 1.429                  | 100          | 1.000                     | 0.02             | 0.076                   | 0.109                   |
|          | WLAN5.2GHz | 802.11n-HT40 MCS0   | Top Side      | 11mm     | Ant 5+4(4) | Full Power           | 46  | 5230        | Open           | 18.95               | 20.50               | 1.429                  | 100          | 1.000                     | 0.06             | 0.033                   | 0.047                   |
|          | WLAN5.3GHz | 802.11n-HT40 MCS0   | Front         | 0mm      | Ant 5+4(4) | Standalone           | 54  | 5270        | Open           | 19.16               | 21.00               | 1.528                  | 100          | 1.000                     | 0.05             | 1.290                   | 1.971                   |
|          | WLAN5.3GHz | 802.11n-HT40 MCS0   | Back          | 0mm      | Ant 5+4(4) | Standalone           | 54  | 5270        | Open           | 19.16               | 21.00               | 1.528                  | 100          | 1.000                     | -0.03            | 0.622                   | 0.950                   |
|          | WLAN5.3GHz | 802.11n-HT40 MCS0   | Left Side     | 0mm      | Ant 5+4(4) | Standalone           | 54  | 5270        | Open           | 19.16               | 21.00               | 1.528                  | 100          | 1.000                     | 0.09             | 1.170                   | 1.787                   |
|          | WLAN5.3GHz | 802.11n-HT40 MCS0   | Right Side    | 0mm      | Ant 5+4(4) | Standalone           | 54  | 5270        | Open           | 19.16               | 21.00               | 1.528                  | 100          | 1.000                     | 0.03             | 1.550                   | 2.368                   |
| 132      | WLAN5.3GHz | 802.11n-HT40 MCS0   | Right Side    | 0mm      | Ant 5+4(5) | Standalone           | 62  | 5310        | Open           | 18.96               | 20.50               | 1.426                  | 100          | 1.000                     | 0.07             | 1.390                   | 1.982                   |
|          | WLAN5.3GHz | 802.11n-HT40 MCS0   | Top Side      | 0mm      | Ant 5+4(4) | Standalone           | 54  | 5270        | Open           | 19.16               | 21.00               | 1.528                  | 100          | 1.000                     | 0.08             | 0.528                   | 0.807                   |
|          | WLAN5.3GHz | 802.11n-HT40 MCS0   | Front         | 0mm      | Ant 5+4(5) | DBS only             | 54  | 5270        | Open           | 19.16               | 21.00               | 1.528                  | 100          | 1.000                     | 0.02             | 1.020                   | 1.558                   |



# FCC SAR Test Report

Report No. : FA340401-01

|     |            |                     |            |      |            |                      |     |      |      |       |       |       |     |       |       |       |       |
|-----|------------|---------------------|------------|------|------------|----------------------|-----|------|------|-------|-------|-------|-----|-------|-------|-------|-------|
|     | WLAN5.3GHZ | 802.11n-HT40 MCS0   | Back       | 0mm  | Ant 5+4(5) | DBS only             | 54  | 5270 | Open | 18.90 | 20.50 | 1.445 | 100 | 1.000 | -0.04 | 0.494 | 0.714 |
|     | WLAN5.3GHZ | 802.11n-HT40 MCS0   | Left Side  | 0mm  | Ant 5+4(5) | DBS only             | 54  | 5270 | Open | 18.90 | 20.50 | 1.445 | 100 | 1.000 | 0.02  | 0.929 | 1.343 |
|     | WLAN5.3GHZ | 802.11n-HT40 MCS0   | Right Side | 0mm  | Ant 5+4(5) | DBS only             | 54  | 5270 | Open | 18.90 | 20.50 | 1.445 | 100 | 1.000 | 0.01  | 1.230 | 1.778 |
|     | WLAN5.3GHZ | 802.11n-HT40 MCS0   | Top Side   | 0mm  | Ant 5+4(5) | DBS only             | 54  | 5270 | Open | 18.90 | 20.50 | 1.445 | 100 | 1.000 | -0.08 | 0.419 | 0.606 |
|     | WLAN5.3GHZ | 802.11ac-VHT80 MCS0 | Front      | 0mm  | Ant 5+4(4) | non DBS Simultaneous | 58  | 5290 | Open | 15.81 | 17.50 | 1.476 | 100 | 1.000 | 0.02  | 0.574 | 0.847 |
|     | WLAN5.3GHZ | 802.11ac-VHT80 MCS0 | Back       | 0mm  | Ant 5+4(4) | non DBS Simultaneous | 58  | 5290 | Open | 15.81 | 17.50 | 1.476 | 100 | 1.000 | 0.02  | 0.278 | 0.410 |
|     | WLAN5.3GHZ | 802.11ac-VHT80 MCS0 | Left Side  | 0mm  | Ant 5+4(4) | non DBS Simultaneous | 58  | 5290 | Open | 15.81 | 17.50 | 1.476 | 100 | 1.000 | 0.06  | 0.522 | 0.770 |
|     | WLAN5.3GHZ | 802.11ac-VHT80 MCS0 | Right Side | 0mm  | Ant 5+4(4) | non DBS Simultaneous | 58  | 5290 | Open | 15.81 | 17.50 | 1.476 | 100 | 1.000 | 0.09  | 0.692 | 1.021 |
|     | WLAN5.3GHZ | 802.11ac-VHT80 MCS0 | Top Side   | 0mm  | Ant 5+4(4) | non DBS Simultaneous | 58  | 5290 | Open | 15.81 | 17.50 | 1.476 | 100 | 1.000 | 0.05  | 0.236 | 0.348 |
|     | WLAN5.3GHZ | 802.11ac-VHT80 MCS0 | Front      | 0mm  | Ant 5+4(4) | DBS Simultaneous     | 58  | 5290 | Open | 12.86 | 14.50 | 1.459 | 100 | 1.000 | 0.01  | 0.288 | 0.420 |
|     | WLAN5.3GHZ | 802.11ac-VHT80 MCS0 | Back       | 0mm  | Ant 5+4(4) | DBS Simultaneous     | 58  | 5290 | Open | 12.86 | 14.50 | 1.459 | 100 | 1.000 | -0.01 | 0.139 | 0.203 |
|     | WLAN5.3GHZ | 802.11ac-VHT80 MCS0 | Left Side  | 0mm  | Ant 5+4(4) | DBS Simultaneous     | 58  | 5290 | Open | 12.86 | 14.50 | 1.459 | 100 | 1.000 | -0.01 | 0.262 | 0.382 |
|     | WLAN5.3GHZ | 802.11ac-VHT80 MCS0 | Right Side | 0mm  | Ant 5+4(4) | DBS Simultaneous     | 58  | 5290 | Open | 12.86 | 14.50 | 1.459 | 100 | 1.000 | -0.06 | 0.347 | 0.506 |
|     | WLAN5.3GHZ | 802.11ac-VHT80 MCS0 | Top Side   | 0mm  | Ant 5+4(4) | DBS Simultaneous     | 58  | 5290 | Open | 12.86 | 14.50 | 1.459 | 100 | 1.000 | -0.04 | 0.118 | 0.172 |
|     | WLAN5.3GHZ | 802.11ac-VHT80 MCS0 | Front      | 8mm  | Ant 5+4(4) | Full Power           | 54  | 5270 | Open | 19.16 | 21.00 | 1.528 | 100 | 1.000 | 0.06  | 0.106 | 0.162 |
|     | WLAN5.3GHZ | 802.11ac-VHT80 MCS0 | Back       | 9mm  | Ant 5+4(4) | Full Power           | 54  | 5270 | Open | 19.16 | 21.00 | 1.528 | 100 | 1.000 | 0.01  | 0.079 | 0.121 |
|     | WLAN5.3GHZ | 802.11ac-VHT80 MCS0 | Left Side  | 10mm | Ant 5+4(4) | Full Power           | 54  | 5270 | Open | 19.16 | 21.00 | 1.528 | 100 | 1.000 | -0.03 | 0.079 | 0.121 |
|     | WLAN5.3GHZ | 802.11ac-VHT80 MCS0 | Right Side | 11mm | Ant 5+4(4) | Full Power           | 54  | 5270 | Open | 19.16 | 21.00 | 1.528 | 100 | 1.000 | 0.02  | 0.111 | 0.170 |
|     | WLAN5.3GHZ | 802.11ac-VHT80 MCS0 | Top Side   | 11mm | Ant 5+4(4) | Full Power           | 54  | 5270 | Open | 19.16 | 21.00 | 1.528 | 100 | 1.000 | -0.18 | 0.056 | 0.086 |
| 133 | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Front      | 0mm  | Ant 5+4(5) | Standalone           | 138 | 5690 | Open | 19.86 | 21.50 | 1.459 | 100 | 1.000 | 0.01  | 1.750 | 2.553 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Front      | 0mm  | Ant 5+4(4) | Standalone           | 106 | 5530 | Open | 18.85 | 20.50 | 1.462 | 100 | 1.000 | -0.18 | 1.500 | 2.193 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Front      | 0mm  | Ant 5+4(4) | Standalone           | 122 | 5610 | Open | 18.84 | 20.50 | 1.466 | 100 | 1.000 | 0.09  | 0.600 | 0.879 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Back       | 0mm  | Ant 5+4(5) | Standalone           | 138 | 5690 | Open | 19.86 | 21.50 | 1.459 | 100 | 1.000 | 0.04  | 0.940 | 1.371 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Left Side  | 0mm  | Ant 5+4(5) | Standalone           | 138 | 5690 | Open | 19.86 | 21.50 | 1.459 | 100 | 1.000 | 0.03  | 0.490 | 0.715 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Right Side | 0mm  | Ant 5+4(5) | Standalone           | 138 | 5690 | Open | 19.86 | 21.50 | 1.459 | 100 | 1.000 | 0.08  | 1.360 | 1.984 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Top Side   | 0mm  | Ant 5+4(5) | Standalone           | 138 | 5690 | Open | 19.86 | 21.50 | 1.459 | 100 | 1.000 | 0.01  | 1.350 | 1.969 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Front      | 0mm  | Ant 5+4(4) | DBS only             | 138 | 5690 | Open | 16.58 | 18.00 | 1.387 | 100 | 1.000 | 0.09  | 0.977 | 1.355 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Back       | 0mm  | Ant 5+4(4) | DBS only             | 138 | 5690 | Open | 16.58 | 18.00 | 1.387 | 100 | 1.000 | 0.05  | 0.485 | 0.673 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Left Side  | 0mm  | Ant 5+4(4) | DBS only             | 138 | 5690 | Open | 16.58 | 18.00 | 1.387 | 100 | 1.000 | -0.08 | 0.173 | 0.240 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Right Side | 0mm  | Ant 5+4(4) | DBS only             | 138 | 5690 | Open | 16.58 | 18.00 | 1.387 | 100 | 1.000 | 0.01  | 0.750 | 1.040 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Top Side   | 0mm  | Ant 5+4(4) | DBS only             | 138 | 5690 | Open | 16.58 | 18.00 | 1.387 | 100 | 1.000 | -0.08 | 0.740 | 1.026 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Front      | 0mm  | Ant 5+4(5) | non DBS Simultaneous | 138 | 5690 | Open | 14.89 | 16.50 | 1.449 | 100 | 1.000 | 0.06  | 0.550 | 0.797 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Back       | 0mm  | Ant 5+4(5) | non DBS Simultaneous | 138 | 5690 | Open | 14.89 | 16.50 | 1.449 | 100 | 1.000 | -0.04 | 0.273 | 0.396 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Left Side  | 0mm  | Ant 5+4(5) | non DBS Simultaneous | 138 | 5690 | Open | 14.89 | 16.50 | 1.449 | 100 | 1.000 | 0.02  | 0.088 | 0.127 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Right Side | 0mm  | Ant 5+4(5) | non DBS Simultaneous | 138 | 5690 | Open | 14.89 | 16.50 | 1.449 | 100 | 1.000 | -0.01 | 0.408 | 0.591 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Top Side   | 0mm  | Ant 5+4(5) | non DBS Simultaneous | 138 | 5690 | Open | 14.89 | 16.50 | 1.449 | 100 | 1.000 | -0.08 | 0.388 | 0.562 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Front      | 0mm  | Ant 5+4(5) | DBS Simultaneous     | 138 | 5690 | Open | 11.91 | 13.50 | 1.442 | 100 | 1.000 | -0.01 | 0.276 | 0.398 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Back       | 0mm  | Ant 5+4(5) | DBS Simultaneous     | 138 | 5690 | Open | 11.91 | 13.50 | 1.442 | 100 | 1.000 | -0.06 | 0.137 | 0.198 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Left Side  | 0mm  | Ant 5+4(5) | DBS Simultaneous     | 138 | 5690 | Open | 11.91 | 13.50 | 1.442 | 100 | 1.000 | -0.04 | 0.044 | 0.063 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Right Side | 0mm  | Ant 5+4(5) | DBS Simultaneous     | 138 | 5690 | Open | 11.91 | 13.50 | 1.442 | 100 | 1.000 | 0.03  | 0.205 | 0.296 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Top Side   | 0mm  | Ant 5+4(5) | DBS Simultaneous     | 138 | 5690 | Open | 11.91 | 13.50 | 1.442 | 100 | 1.000 | 0.04  | 0.195 | 0.281 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Front      | 8mm  | Ant 5+4(5) | Full Power           | 138 | 5690 | Open | 19.86 | 21.50 | 1.459 | 100 | 1.000 | -0.05 | 0.129 | 0.188 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Back       | 9mm  | Ant 5+4(5) | Full Power           | 138 | 5690 | Open | 19.86 | 21.50 | 1.459 | 100 | 1.000 | 0.06  | 0.089 | 0.130 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Left Side  | 10mm | Ant 5+4(5) | Full Power           | 138 | 5690 | Open | 19.86 | 21.50 | 1.459 | 100 | 1.000 | 0.07  | 0.085 | 0.124 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Right Side | 11mm | Ant 5+4(5) | Full Power           | 138 | 5690 | Open | 19.86 | 21.50 | 1.459 | 100 | 1.000 | 0.02  | 0.121 | 0.177 |
|     | WLAN5.5GHZ | 802.11ac-VHT80 MCS0 | Top Side   | 11mm | Ant 5+4(5) | Full Power           | 138 | 5690 | Open | 19.86 | 21.50 | 1.459 | 100 | 1.000 | 0.07  | 0.065 | 0.095 |
|     | WLAN5.8GHZ | 802.11ac-VHT80 MCS0 | Front      | 0mm  | Ant 5+4(5) | Standalone           | 155 | 5775 | Open | 19.62 | 21.00 | 1.374 | 100 | 1.000 | -0.04 | 1.840 | 2.528 |
|     | WLAN5.8GHZ | 802.11ac-VHT80 MCS0 | Back       | 0mm  | Ant 5+4(5) | Standalone           | 155 | 5775 | Open | 19.62 | 21.00 | 1.374 | 100 | 1.000 | -0.01 | 1.310 | 1.800 |
| 134 | WLAN5.8GHZ | 802.11ac-VHT80 MCS0 | Right Side | 0mm  | Ant 5+4(5) | Standalone           | 155 | 5775 | Open | 19.62 | 21.00 | 1.374 | 100 | 1.000 | 0.04  | 2.050 | 2.817 |
|     | WLAN5.8GHZ | 802.11ac-VHT80 MCS0 | Top Side   | 0mm  | Ant 5+4(5) | Standalone           | 155 | 5775 | Open | 19.62 | 21.00 | 1.374 | 100 | 1.000 | -0.04 | 1.380 | 1.896 |
|     | WLAN5.8GHZ | 802.11ac-VHT80 MCS0 | Front      | 0mm  | Ant 5+4(5) | DBS only             | 155 | 5775 | Open | 17.63 | 19.00 | 1.371 | 100 | 1.000 | 0.01  | 1.160 | 1.590 |
|     | WLAN5.8GHZ | 802.11ac-VHT80 MCS0 | Back       | 0mm  | Ant 5+4(5) | DBS only             | 155 | 5775 | Open | 17.63 | 19.00 | 1.371 | 100 | 1.000 | 0.05  | 1.250 | 1.714 |
|     | WLAN5.8GHZ | 802.11ac-VHT80 MCS0 | Right Side | 0mm  | Ant 5+4(5) | DBS only             | 155 | 5775 | Open | 17.63 | 19.00 | 1.371 | 100 | 1.000 | -0.02 | 1.290 | 1.768 |
|     | WLAN5.8GHZ | 802.11ac-VHT80 MCS0 | Top Side   | 0mm  | Ant 5+4(5) | DBS only             | 155 | 5775 | Open | 17.63 | 19.00 | 1.371 | 100 | 1.000 | 0.05  | 0.821 | 1.125 |
|     | WLAN5.8GHZ | 802.11ac-VHT80 MCS0 | Front      | 0mm  | Ant 5+4(5) | non DBS Simultaneous | 155 | 5775 | Open | 15.10 | 16.50 | 1.380 | 100 | 1.000 | -0.01 | 0.652 | 0.900 |
|     | WLAN5.8GHZ | 802.11ac-VHT80 MCS0 | Back       | 0mm  | Ant 5+4(5) | non DBS Simultaneous | 155 | 5775 | Open | 15.10 | 16.50 | 1.380 | 100 | 1.000 | -0.09 | 0.589 | 0.813 |



# FCC SAR Test Report

Report No. : FA340401-01

|  |            |                     |            |      |            |                      |     |      |      |       |       |       |     |       |       |       |       |
|--|------------|---------------------|------------|------|------------|----------------------|-----|------|------|-------|-------|-------|-----|-------|-------|-------|-------|
|  | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Right Side | 0mm  | Ant 5+4(5) | non DBS Simultaneous | 155 | 5775 | Open | 15.10 | 16.50 | 1.380 | 100 | 1.000 | 0.03  | 0.725 | 1.001 |
|  | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Top Side   | 0mm  | Ant 5+4(5) | non DBS Simultaneous | 155 | 5775 | Open | 15.10 | 16.50 | 1.380 | 100 | 1.000 | 0.01  | 0.462 | 0.638 |
|  | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Front      | 0mm  | Ant 5+4(5) | DBS Simultaneous     | 155 | 5775 | Open | 12.13 | 13.50 | 1.371 | 100 | 1.000 | -0.02 | 0.327 | 0.448 |
|  | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Back       | 0mm  | Ant 5+4(5) | DBS Simultaneous     | 155 | 5775 | Open | 12.13 | 13.50 | 1.371 | 100 | 1.000 | 0.03  | 0.352 | 0.483 |
|  | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Right Side | 0mm  | Ant 5+4(5) | DBS Simultaneous     | 155 | 5775 | Open | 12.13 | 13.50 | 1.371 | 100 | 1.000 | -0.01 | 0.363 | 0.498 |
|  | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Top Side   | 0mm  | Ant 5+4(5) | DBS Simultaneous     | 155 | 5775 | Open | 12.13 | 13.50 | 1.371 | 100 | 1.000 | 0.09  | 0.232 | 0.318 |
|  | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Front      | 8mm  | Ant 5+4(4) | Full Power           | 155 | 5775 | Open | 19.62 | 21.00 | 1.374 | 100 | 1.000 | -0.01 | 0.166 | 0.228 |
|  | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Back       | 9mm  | Ant 5+4(4) | Full Power           | 155 | 5775 | Open | 19.62 | 21.00 | 1.374 | 100 | 1.000 | 0.05  | 0.126 | 0.173 |
|  | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Right Side | 11mm | Ant 5+4(4) | Full Power           | 155 | 5775 | Open | 19.62 | 21.00 | 1.374 | 100 | 1.000 | 0.17  | 0.154 | 0.212 |
|  | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Top Side   | 11mm | Ant 5+4(4) | Full Power           | 155 | 5775 | Open | 19.62 | 21.00 | 1.374 | 100 | 1.000 | 0.08  | 0.123 | 0.169 |



## 16.5 Repeated SAR Measurement

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| Plot No. | Band        | BW (MHz) | Modulation | RB Size | RB offset | Mode                | Test Position | Gap (mm) | Antenna    | Headset | Power State | Ch.    | Freq. (MHz) | EUT Flip State | 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      | WLAN5.3GHz  | -        | -          | -       | -         | 802.11ac-VHT80 MCS0 | Right Tilted  | 0mm      | Ant 5+4(4) | -       | Standalone  | 58     | 5290        | Open           | 17.28               | 18.00               | 1.180                  | 100          | 1.000                     | 0.07             | 0.858                  | 1     | 1.013                  |
| 2nd      | WLAN5.3GHz  | -        | -          | -       | -         | 802.11ac-VHT80 MCS0 | Right Tilted  | 0mm      | Ant 5+4(4) | -       | Standalone  | 58     | 5290        | Open           | 17.28               | 18.00               | 1.180                  | 100          | 1.000                     | 0.01             | 0.827                  | 1.037 | 0.976                  |
| 1st      | WLAN5.8GHz  | -        | -          | -       | -         | 802.11ac-VHT80 MCS0 | Left Cheek    | 0mm      | Ant 5+4(4) | -       | Standalone  | 155    | 5775        | Open           | 13.28               | 14.50               | 1.324                  | 100          | 1.000                     | -0.11            | 0.862                  | 1     | 1.142                  |
| 2nd      | WLAN5.8GHz  | -        | -          | -       | -         | 802.11ac-VHT80 MCS0 | Left Cheek    | 0mm      | Ant 5+4(4) | -       | Standalone  | 155    | 5775        | Open           | 13.28               | 14.50               | 1.324                  | 100          | 1.000                     | 0.01             | 0.841                  | 1.025 | 1.114                  |
| 1st      | FR1 n70     | 15M      | QPSK       | 36      | 22        | DFT-SCS-15KHz       | Bottom Side   | 5mm      | Ant 0      | -       | DSI 9       | 340500 | 1702.5      | Open           | 21.31               | 22.10               | 1.199                  | -            | -                         | 0.08             | 1.060                  | 1     | 1.271                  |
| 2nd      | FR1 n70     | 15M      | QPSK       | 36      | 22        | DFT-SCS-15KHz       | Bottom Side   | 5mm      | Ant 0      | -       | DSI 9       | 340500 | 1702.5      | Open           | 21.31               | 22.10               | 1.199                  | -            | -                         | 0.03             | 1.010                  | 1.050 | 1.211                  |
| 1st      | LTE Band 30 | 10M      | QPSK       | 1       | 0         | -                   | Bottom Side   | 5mm      | Ant 0      | -       | DSI 9       | 27710  | 2310        | Open           | 18.32               | 19.10               | 1.197                  | -            | -                         | -0.01            | 1.080                  | 1     | 1.292                  |
| 2nd      | LTE Band 30 | 10M      | QPSK       | 1       | 0         | -                   | Bottom Side   | 5mm      | Ant 0      | -       | DSI 9       | 27710  | 2310        | Open           | 18.32               | 19.10               | 1.197                  | -            | -                         | 0.06             | 1.030                  | 1.049 | 1.233                  |
| 1st      | FR1 n7      | 40M      | QPSK       | 1       | 1         | DFT-SCS-15KHz       | Bottom Side   | 5mm      | Ant 0      | -       | DSI 9       | 507000 | 2535        | Open           | 17.75               | 18.60               | 1.216                  | -            | -                         | 0.02             | 1.060                  | 1     | 1.289                  |
| 2nd      | FR1 n7      | 40M      | QPSK       | 1       | 1         | DFT-SCS-15KHz       | Bottom Side   | 5mm      | Ant 0      | -       | DSI 9       | 507000 | 2535        | Open           | 17.75               | 18.60               | 1.216                  | -            | -                         | 0.09             | 1.030                  | 1.029 | 1.253                  |
| 1st      | FR1 n48     | 40M      | QPSK       | 1       | 1         | DFT-SCS-30KHz       | Bottom Side   | 5mm      | Ant 2      | -       | DSI 9       | 641666 | 3624.99     | Open           | 20.95               | 21.70               | 1.189                  | -            | -                         | 0.06             | 1.080                  | 1     | 1.284                  |
| 2nd      | FR1 n48     | 40M      | QPSK       | 1       | 1         | DFT-SCS-30KHz       | Bottom Side   | 5mm      | Ant 2      | -       | DSI 9       | 641666 | 3624.99     | Open           | 20.95               | 21.70               | 1.189                  | -            | -                         | 0.01             | 1.030                  | 1.049 | 1.224                  |
| 1st      | FR1 n77     | 100M     | QPSK       | 1       | 1         | DFT-SCS-30KHz       | Bottom Side   | 5mm      | Ant 2      | -       | DSI 9       | 656000 | 3840        | Open           | 20.59               | 21.70               | 1.291                  | -            | -                         | -0.01            | 0.982                  | 1     | 1.268                  |
| 2nd      | FR1 n77     | 100M     | QPSK       | 1       | 1         | DFT-SCS-30KHz       | Bottom Side   | 5mm      | Ant 2      | -       | DSI 9       | 656000 | 3840        | Open           | 20.59               | 21.70               | 1.291                  | -            | -                         | 0.07             | 0.935                  | 1.050 | 1.207                  |
| 1st      | LTE Band 14 | 10M      | QPSK       | 1       | 0         | -                   | Back          | 5mm      | Ant 0      | Headset | DSI 3       | 23330  | 793         | Open           | 22.83               | 24.00               | 1.309                  | -            | -                         | 0.06             | 0.963                  | 1     | 1.261                  |
| 2nd      | LTE Band 14 | 10M      | QPSK       | 1       | 0         | -                   | Back          | 5mm      | Ant 0      | -       | DSI 3       | 23330  | 793         | Open           | 22.83               | 24.00               | 1.309                  | -            | -                         | 0.01             | 0.958                  | 1.005 | 1.254                  |
| 1st      | WCDMA V     | -        | -          | -       | -         | RMC 12.2Kbps        | Back          | 5mm      | Ant 0      | -       | DSI 3       | 4233   | 846.6       | Open           | 24.27               | 25.00               | 1.183                  | -            | -                         | 0.05             | 1.050                  | 1     | 1.242                  |
| 2nd      | WCDMA V     | -        | -          | -       | -         | RMC 12.2Kbps        | Back          | 5mm      | Ant 0      | -       | DSI 3       | 4233   | 846.6       | Open           | 24.27               | 25.00               | 1.183                  | -            | -                         | 0.03             | 1.010                  | 1.040 | 1.195                  |
| 1st      | LTE Band 25 | 20M      | QPSK       | 1       | 0         | -                   | Back          | 5mm      | Ant 0      | -       | DSI 3       | 26340  | 1880        | Open           | 20.65               | 21.30               | 1.161                  | -            | -                         | 0.04             | 1.100                  | 1     | 1.278                  |
| 2nd      | LTE Band 25 | 20M      | QPSK       | 1       | 0         | -                   | Back          | 5mm      | Ant 0      | -       | DSI 3       | 26340  | 1880        | Open           | 20.65               | 21.30               | 1.161                  | -            | -                         | 0.07             | 1.030                  | 1.068 | 1.196                  |
| 1st      | FR1 n77     | 100M     | QPSK       | 135     | 69        | DFT-SCS-30KHz       | Front         | 5mm      | Ant 2      | -       | DSI 3       | 633334 | 3500.01     | Open           | 22.44               | 23.40               | 1.247                  | -            | -                         | -0.09            | 1.030                  | 1     | 1.285                  |
| 2nd      | FR1 n77     | 100M     | QPSK       | 135     | 69        | DFT-SCS-30KHz       | Front         | 5mm      | Ant 2      | -       | DSI 3       | 633334 | 3500.01     | Open           | 22.44               | 23.40               | 1.247                  | -            | -                         | 0.02             | 0.987                  | 1.044 | 1.231                  |
| 1st      | WLAN2.4GHz  | -        | -          | -       | -         | 802.11b 1Mbps       | Back          | 5mm      | Ant 4+6(4) | -       | Standalone  | 6      | 2437        | Open           | 18.98               | 20.50               | 1.419                  | 100          | 1.000                     | -0.03            | 0.900                  | 1     | 1.277                  |
| 2nd      | WLAN2.4GHz  | -        | -          | -       | -         | 802.11b 1Mbps       | Back          | 5mm      | Ant 4+6(4) | -       | Standalone  | 6      | 2437        | Open           | 18.98               | 20.50               | 1.419                  | 100          | 1.000                     | 0.01             | 0.881                  | 1.022 | 1.250                  |
| 1st      | WLAN5.5GHz  | -        | -          | -       | -         | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 5+4(5) | -       | Standalone  | 138    | 5690        | Open           | 18.62               | 19.50               | 1.225                  | 100          | 1.000                     | -0.18            | 0.832                  | 1     | 1.019                  |
| 2nd      | WLAN5.5GHz  | -        | -          | -       | -         | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 5+4(5) | -       | Standalone  | 138    | 5690        | Open           | 18.62               | 19.50               | 1.225                  | 100          | 1.000                     | 0.03             | 0.815                  | 1.021 | 0.998                  |



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| Plot No. | Band        | BW (MHz) | Modulation | RB Size | RB offset | Mode                | Test Position | Gap (mm) | Antenna    | Power State | Ch.    | Freq. (MHz) | EUT Flip State | 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 13 | 10M      | QPSK       | 1       | 0         | -                   | Bottom Side   | 0mm      | Ant 0      | DSI 6       | 23230  | 782         | Open           | 22.76               | 23.70               | 1.242                  | -            | -                         | 0.02             | 2.530                   | 1     | 3.141                   |
| 2nd      | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -                   | Bottom Side   | 0mm      | Ant 0      | DSI 6       | 23230  | 782         | Open           | 22.76               | 23.70               | 1.242                  | -            | -                         | 0.09             | 2.440                   | 1.037 | 3.030                   |
| 1st      | LTE Band 66 | 20M      | QPSK       | 1       | 0         | -                   | Back          | 0mm      | Ant 0      | DSI 6       | 132322 | 1745        | Open           | 23.26               | 24.00               | 1.186                  | -            | -                         | 0.09             | 2.650                   | 1     | 3.142                   |
| 2nd      | LTE Band 66 | 20M      | QPSK       | 1       | 0         | -                   | Back          | 0mm      | Ant 0      | DSI 6       | 132322 | 1745        | Open           | 23.26               | 24.00               | 1.186                  | -            | -                         | 0.01             | 2.540                   | 1.043 | 3.012                   |
| 1st      | FR1 n25     | 20M      | QPSK       | 1       | 1         | DFT-SCS-15KHz       | Bottom Side   | 0mm      | Ant 0      | DSI 6       | 376500 | 1882.5      | Open           | 22.06               | 23.00               | 1.242                  | -            | -                         | 0.06             | 2.410                   | 1     | 2.992                   |
| 2nd      | FR1 n25     | 20M      | QPSK       | 1       | 1         | DFT-SCS-15KHz       | Bottom Side   | 0mm      | Ant 0      | DSI 6       | 376500 | 1882.5      | Open           | 22.06               | 23.00               | 1.242                  | -            | -                         | 0.04             | 2.350                   | 1.026 | 2.918                   |
| 1st      | LTE Band 30 | 10M      | QPSK       | 1       | 0         | -                   | Bottom Side   | 0mm      | Ant 0      | DSI 6       | 27710  | 2310        | Open           | 20.05               | 21.10               | 1.274                  | -            | -                         | -0.05            | 2.400                   | 1     | 3.056                   |
| 2nd      | LTE Band 30 | 10M      | QPSK       | 1       | 0         | -                   | Bottom Side   | 0mm      | Ant 0      | DSI 6       | 27710  | 2310        | Open           | 20.05               | 21.10               | 1.274                  | -            | -                         | 0.01             | 2.310                   | 1.039 | 2.942                   |
| 1st      | LTE Band 7  | 20M      | QPSK       | 1       | 0         | -                   | Bottom Side   | 0mm      | Ant 0      | DSI 6       | 21100  | 2535        | Open           | 20.31               | 21.20               | 1.227                  | -            | -                         | 0.04             | 2.590                   | 1     | 3.179                   |
| 2nd      | LTE Band 7  | 20M      | QPSK       | 1       | 0         | -                   | Bottom Side   | 0mm      | Ant 0      | DSI 6       | 21100  | 2535        | Open           | 20.31               | 21.20               | 1.227                  | -            | -                         | 0.01             | 2.450                   | 1.057 | 3.007                   |
| 1st      | FR1 n48     | 40M      | QPSK       | 50      | 28        | DFT-SCS-30KHz       | Left Side     | 0mm      | Ant 2      | DSI 6       | 641666 | 3624.99     | Open           | 22.32               | 23.80               | 1.406                  | -            | -                         | -0.16            | 2.260                   | 1     | 3.178                   |
| 2nd      | FR1 n48     | 40M      | QPSK       | 50      | 28        | DFT-SCS-30KHz       | Left Side     | 0mm      | Ant 2      | DSI 6       | 641666 | 3624.99     | Open           | 22.32               | 23.80               | 1.406                  | -            | -                         | 0.03             | 2.120                   | 1.066 | 2.981                   |
| 1st      | FR1 n77     | 100M     | QPSK       | 1       | 1         | DFT-SCS-30KHz       | Bottom Side   | 0mm      | Ant 2      | DSI 6       | 656000 | 3840        | Open           | 23.65               | 24.00               | 1.084                  | -            | -                         | -0.06            | 2.190                   | 1     | 2.374                   |
| 2nd      | FR1 n77     | 100M     | QPSK       | 1       | 1         | DFT-SCS-30KHz       | Bottom Side   | 0mm      | Ant 2      | DSI 6       | 656000 | 3840        | Open           | 23.65               | 24.00               | 1.084                  | -            | -                         | 0.01             | 2.040                   | 1.074 | 2.211                   |
| 1st      | FR1 n77     | 100M     | QPSK       | 135     | 69        | DFT-SCS-30KHz       | Front         | 0mm      | Ant 2      | DSI 6       | 633334 | 3500.01     | Open           | 23.92               | 24.00               | 1.019                  | -            | -                         | 0.18             | 2.270                   | 1     | 2.312                   |
| 2nd      | FR1 n77     | 100M     | QPSK       | 135     | 69        | DFT-SCS-30KHz       | Front         | 0mm      | Ant 2      | DSI 6       | 633334 | 3500.01     | Open           | 23.92               | 24.00               | 1.019                  | -            | -                         | 0.03             | 2.150                   | 1.056 | 2.190                   |
| 1st      | WLAN5.8GHz  | -        | -          | -       | -         | 802.11ac-VHT80 MCS0 | Right Side    | 0mm      | Ant 5+4(5) | Standalone  | 155    | 5775        | Open           | 19.62               | 21.00               | 1.374                  | 100          | 1.000                     | 0.04             | 2.050                   | 1     | 2.817                   |
| 2nd      | WLAN5.8GHz  | -        | -          | -       | -         | 802.11ac-VHT80 MCS0 | Right Side    | 0mm      | Ant 5+4(5) | Standalone  | 155    | 5775        | Open           | 19.62               | 21.00               | 1.374                  | 100          | 1.000                     | 0.01             | 2.030                   | 1.010 | 2.789                   |

**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 B41-Linearity Data for Head Ant0            |                            |                            | LTE B41-Linearity Data for Head Ant1            |                            |                            |
|-------------------------------------------------|----------------------------|----------------------------|-------------------------------------------------|----------------------------|----------------------------|
|                                                 | LTE B41<br>(Power Class 3) | LTE B41<br>(Power Class 2) |                                                 | LTE B41<br>(Power Class 3) | LTE B41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                     | 24.00                      | 26.00                      | Maximum Tune up Power (dBm)                     | 19.00                      | 20.60                      |
| Reported 1g SAR (W/kg)                          | 0.142                      | 0.141                      | Reported 1g SAR (W/kg)                          | 0.972                      | 0.930                      |
| Duty Cycle                                      | 63.30%                     | 43.30%                     | Duty Cycle                                      | 63.30%                     | 43.30%                     |
| Frame Averaged (mW)                             | 159.00                     | 172.38                     | Frame Averaged (mW)                             | 50.28                      | 49.72                      |
| Linearity SAR (W/kg)                            | 0.154                      |                            | Linearity SAR (W/kg)                            | 0.961                      |                            |
| % deviation from expected linearity             |                            | -8.41%                     | % deviation from expected linearity             |                            | -3.23%                     |
| LTE B41-Linearity Data for Body-worn Ant0 Open  |                            |                            | LTE B41-Linearity Data for Body-worn Ant1 Open  |                            |                            |
|                                                 | LTE B41<br>(Power Class 3) | LTE B41<br>(Power Class 2) |                                                 | LTE B41<br>(Power Class 3) | LTE B41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                     | 22.40                      | 24.00                      | Maximum Tune up Power (dBm)                     | 21.10                      | 22.70                      |
| Reported 1g SAR (W/kg)                          | 1.294                      | 1.238                      | Reported 1g SAR (W/kg)                          | 0.834                      | 0.816                      |
| Duty Cycle                                      | 63.30%                     | 43.30%                     | Duty Cycle                                      | 63.30%                     | 43.30%                     |
| Frame Averaged (mW)                             | 110.00                     | 108.76                     | Frame Averaged (mW)                             | 81.55                      | 80.63                      |
| Linearity SAR (W/kg)                            | 1.279                      |                            | Linearity SAR (W/kg)                            | 0.825                      |                            |
| % deviation from expected linearity             |                            | -3.24%                     | % deviation from expected linearity             |                            | -1.04%                     |
| LTE B41-Linearity Data for Body-worn Ant0 Close |                            |                            | LTE B41-Linearity Data for Body-worn Ant1 Close |                            |                            |
|                                                 | LTE B41<br>(Power Class 3) | LTE B41<br>(Power Class 2) |                                                 | LTE B41<br>(Power Class 3) | LTE B41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                     | 20.60                      | 22.20                      | Maximum Tune up Power (dBm)                     | 20.40                      | 22.00                      |
| Reported 1g SAR (W/kg)                          | 0.938                      | 0.874                      | Reported 1g SAR (W/kg)                          | 0.939                      | 0.899                      |
| Duty Cycle                                      | 63.30%                     | 43.30%                     | Duty Cycle                                      | 63.30%                     | 43.30%                     |
| Frame Averaged (mW)                             | 72.68                      | 71.86                      | Frame Averaged (mW)                             | 69.41                      | 68.63                      |
| Linearity SAR (W/kg)                            | 0.927                      |                            | Linearity SAR (W/kg)                            | 0.928                      |                            |
| % deviation from expected linearity             |                            | -5.76%                     | % deviation from expected linearity             |                            | -3.17%                     |
| LTE B41-Linearity Data for Hotspot Ant0 Open    |                            |                            | LTE B41-Linearity Data for Hotspot Ant1 Open    |                            |                            |
|                                                 | LTE B41<br>(Power Class 3) | LTE B41<br>(Power Class 2) |                                                 | LTE B41<br>(Power Class 3) | LTE B41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                     | 21.00                      | 22.60                      | Maximum Tune up Power (dBm)                     | 16.80                      | 18.40                      |
| Reported 1g SAR (W/kg)                          | 1.302                      | 1.282                      | Reported 1g SAR (W/kg)                          | 0.596                      | 0.536                      |
| Duty Cycle                                      | 63.30%                     | 43.30%                     | Duty Cycle                                      | 63.30%                     | 43.30%                     |
| Frame Averaged (mW)                             | 79.69                      | 78.79                      | Frame Averaged (mW)                             | 30.30                      | 29.96                      |
| Linearity SAR (W/kg)                            | 1.287                      |                            | Linearity SAR (W/kg)                            | 0.589                      |                            |
| % deviation from expected linearity             |                            | -0.42%                     | % deviation from expected linearity             |                            | -9.04%                     |
| LTE B41-Linearity Data for Hotspot Ant0 Close   |                            |                            | LTE B41-Linearity Data for Hotspot Ant1 Close   |                            |                            |
|                                                 | LTE B41<br>(Power Class 3) | LTE B41<br>(Power Class 2) |                                                 | LTE B41<br>(Power Class 3) | LTE B41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                     | 18.60                      | 20.20                      | Maximum Tune up Power (dBm)                     | 14.70                      | 16.30                      |
| Reported 1g SAR (W/kg)                          | 0.627                      | 0.626                      | Reported 1g SAR (W/kg)                          | 0.617                      | 0.604                      |
| Duty Cycle                                      | 63.30%                     | 43.30%                     | Duty Cycle                                      | 63.30%                     | 43.30%                     |
| Frame Averaged (mW)                             | 45.86                      | 45.34                      | Frame Averaged (mW)                             | 18.68                      | 18.47                      |
| Linearity SAR (W/kg)                            | 0.620                      |                            | Linearity SAR (W/kg)                            | 0.610                      |                            |
| % deviation from expected linearity             |                            | 0.98%                      | % deviation from expected linearity             |                            | -0.99%                     |
| LTE B41-Linearity Data for Extremity Ant0 Open  |                            |                            | LTE B41-Linearity Data for Extremity Ant1 Open  |                            |                            |
|                                                 | LTE B41<br>(Power Class 3) | LTE B41<br>(Power Class 2) |                                                 | LTE B41<br>(Power Class 3) | LTE B41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                     | 23.80                      | 25.40                      | Maximum Tune up Power (dBm)                     | 23.00                      | 24.60                      |
| Reported 10g SAR (W/kg)                         | 3.169                      | 3.154                      | Reported 10g SAR (W/kg)                         | 2.444                      | 2.422                      |
| Duty Cycle                                      | 63.30%                     | 43.30%                     | Duty Cycle                                      | 63.30%                     | 43.30%                     |



|                                     |        |        |                                     |        |        |
|-------------------------------------|--------|--------|-------------------------------------|--------|--------|
| Frame Averaged (mW)                 | 151.85 | 150.14 | Frame Averaged (mW)                 | 126.30 | 124.88 |
| Linearity SAR (W/kg)                | 3.133  |        | Linearity SAR (W/kg)                | 2.416  |        |
| % deviation from expected linearity |        | 0.66%  | % deviation from expected linearity |        | 0.23%  |

| LTE B41-Linearity Data for Head Ant2            |                            |                            | LTE B41-Linearity Data for Head Ant3            |                            |                            |
|-------------------------------------------------|----------------------------|----------------------------|-------------------------------------------------|----------------------------|----------------------------|
|                                                 | LTE B41<br>(Power Class 3) | LTE B41<br>(Power Class 2) |                                                 | LTE B41<br>(Power Class 3) | LTE B41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                     | 23.00                      | 24.50                      | Maximum Tune up Power (dBm)                     | 17.60                      | 19.20                      |
| Reported 1g SAR (W/kg)                          | 0.135                      | 0.134                      | Reported 1g SAR (W/kg)                          | 0.936                      | 0.859                      |
| Duty Cycle                                      | 63.30%                     | 43.30%                     | Duty Cycle                                      | 63.30%                     | 43.30%                     |
| Frame Averaged (mW)                             | 126.30                     | 122.04                     | Frame Averaged (mW)                             | 36.43                      | 36.02                      |
| Linearity SAR (W/kg)                            | 0.130                      |                            | Linearity SAR (W/kg)                            | 0.925                      |                            |
| % deviation from expected linearity             |                            | 2.73%                      | % deviation from expected linearity             |                            | -7.18%                     |
| LTE B41-Linearity Data for Body-worn Ant2 Open  |                            |                            | LTE B41-Linearity Data for Body-worn Ant3 Open  |                            |                            |
|                                                 | LTE B41<br>(Power Class 3) | LTE B41<br>(Power Class 2) |                                                 | LTE B41<br>(Power Class 3) | LTE B41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                     | 22.60                      | 24.20                      | Maximum Tune up Power (dBm)                     | 20.40                      | 22.00                      |
| Reported 1g SAR (W/kg)                          | 1.308                      | 1.237                      | Reported 1g SAR (W/kg)                          | 0.864                      | 0.858                      |
| Duty Cycle                                      | 63.30%                     | 43.30%                     | Duty Cycle                                      | 63.30%                     | 43.30%                     |
| Frame Averaged (mW)                             | 115.19                     | 113.89                     | Frame Averaged (mW)                             | 69.41                      | 68.63                      |
| Linearity SAR (W/kg)                            | 1.293                      |                            | Linearity SAR (W/kg)                            | 0.854                      |                            |
| % deviation from expected linearity             |                            | -4.35%                     | % deviation from expected linearity             |                            | 0.44%                      |
| LTE B41-Linearity Data for Body-worn Ant2 Close |                            |                            | LTE B41-Linearity Data for Body-worn Ant3 Close |                            |                            |
|                                                 | LTE B41<br>(Power Class 3) | LTE B41<br>(Power Class 2) |                                                 | LTE B41<br>(Power Class 3) | LTE B41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                     | 21.30                      | 22.90                      | Maximum Tune up Power (dBm)                     | 22.80                      | 24.40                      |
| Reported 1g SAR (W/kg)                          | 0.904                      | 0.893                      | Reported 1g SAR (W/kg)                          | 0.930                      | 0.920                      |
| Duty Cycle                                      | 63.30%                     | 43.30%                     | Duty Cycle                                      | 63.30%                     | 43.30%                     |
| Frame Averaged (mW)                             | 85.39                      | 84.43                      | Frame Averaged (mW)                             | 120.62                     | 119.26                     |
| Linearity SAR (W/kg)                            | 0.894                      |                            | Linearity SAR (W/kg)                            | 0.920                      |                            |
| % deviation from expected linearity             |                            | -0.09%                     | % deviation from expected linearity             |                            | 0.05%                      |
| LTE B41-Linearity Data for Hotspot Ant2 Open    |                            |                            | LTE B41-Linearity Data for Hotspot Ant3 Open    |                            |                            |
|                                                 | LTE B41<br>(Power Class 3) | LTE B41<br>(Power Class 2) |                                                 | LTE B41<br>(Power Class 3) | LTE B41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                     | 20.80                      | 22.40                      | Maximum Tune up Power (dBm)                     | 19.00                      | 20.60                      |
| Reported 1g SAR (W/kg)                          | 1.293                      | 1.251                      | Reported 1g SAR (W/kg)                          | 0.627                      | 0.617                      |
| Duty Cycle                                      | 63.30%                     | 43.30%                     | Duty Cycle                                      | 63.30%                     | 43.30%                     |
| Frame Averaged (mW)                             | 76.10                      | 75.25                      | Frame Averaged (mW)                             | 50.28                      | 49.72                      |
| Linearity SAR (W/kg)                            | 1.278                      |                            | Linearity SAR (W/kg)                            | 0.620                      |                            |
| % deviation from expected linearity             |                            | -2.15%                     | % deviation from expected linearity             |                            | -0.47%                     |
| LTE B41-Linearity Data for Hotspot Ant2 Close   |                            |                            | LTE B41-Linearity Data for Hotspot Ant3 Close   |                            |                            |
|                                                 | LTE B41<br>(Power Class 3) | LTE B41<br>(Power Class 2) |                                                 | LTE B41<br>(Power Class 3) | LTE B41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                     | 20.10                      | 21.70                      | Maximum Tune up Power (dBm)                     | 19.90                      | 21.50                      |
| Reported 1g SAR (W/kg)                          | 0.627                      | 0.613                      | Reported 1g SAR (W/kg)                          | 0.630                      | 0.611                      |
| Duty Cycle                                      | 63.30%                     | 43.30%                     | Duty Cycle                                      | 63.30%                     | 43.30%                     |
| Frame Averaged (mW)                             | 64.77                      | 64.05                      | Frame Averaged (mW)                             | 61.86                      | 61.16                      |
| Linearity SAR (W/kg)                            | 0.620                      |                            | Linearity SAR (W/kg)                            | 0.623                      |                            |
| % deviation from expected linearity             |                            | -1.12%                     | % deviation from expected linearity             |                            | -1.91%                     |
| LTE B41-Linearity Data for Extremity Ant2 Open  |                            |                            | LTE B41-Linearity Data for Extremity Ant3 Open  |                            |                            |
|                                                 | LTE B41<br>(Power Class 3) | LTE B41<br>(Power Class 2) |                                                 | LTE B41<br>(Power Class 3) | LTE B41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                     | 23.00                      | 24.50                      | Maximum Tune up Power (dBm)                     | 23.20                      | 24.80                      |
| Reported 10g SAR (W/kg)                         | 2.093                      | 1.951                      | Reported 10g SAR (W/kg)                         | 2.475                      | 2.471                      |
| Duty Cycle                                      | 63.30%                     | 43.30%                     | Duty Cycle                                      | 63.30%                     | 43.30%                     |
| Frame Averaged (mW)                             | 126.30                     | 122.04                     | Frame Averaged (mW)                             | 132.25                     | 130.76                     |
| Linearity SAR (W/kg)                            | 2.022                      |                            | Linearity SAR (W/kg)                            | 2.447                      |                            |
| % deviation from expected linearity             |                            | -3.53%                     | % deviation from expected linearity             |                            | 0.97%                      |

| N41-Linearity Data for Head Ant0            |                            |                            | N41-Linearity Data for Head Ant1            |                            |                            |
|---------------------------------------------|----------------------------|----------------------------|---------------------------------------------|----------------------------|----------------------------|
|                                             | FR1 n41<br>(Power Class 3) | FR1 n41<br>(Power Class 2) |                                             | FR1 n41<br>(Power Class 3) | FR1 n41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                 | 24.00                      | 27.00                      | Maximum Tune up Power (dBm)                 | 16.60                      | 19.60                      |
| Reported 1g SAR (W/kg)                      | 0.184                      | 0.175                      | Reported 1g SAR (W/kg)                      | 0.931                      | 0.847                      |
| Duty Cycle                                  | 100.00%                    | 50.00%                     | Duty Cycle                                  | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                         | 251.19                     | 250.59                     | Frame Averaged (mW)                         | 45.71                      | 45.60                      |
| Linearity SAR (W/kg)                        | 0.184                      |                            | Linearity SAR (W/kg)                        | 0.929                      |                            |
| % deviation from expected linearity         |                            | -4.67%                     | % deviation from expected linearity         |                            | -8.81%                     |
| N41-Linearity Data for Body-worn Ant0 Open  |                            |                            | N41-Linearity Data for Body-worn Ant1 Open  |                            |                            |
|                                             | FR1 n41<br>(Power Class 3) | FR1 n41<br>(Power Class 2) |                                             | FR1 n41<br>(Power Class 3) | FR1 n41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                 | 22.10                      | 25.10                      | Maximum Tune up Power (dBm)                 | 19.40                      | 22.40                      |
| Reported 1g SAR (W/kg)                      | 1.304                      | 1.208                      | Reported 1g SAR (W/kg)                      | 0.900                      | 0.910                      |
| Duty Cycle                                  | 100.00%                    | 50.00%                     | Duty Cycle                                  | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                         | 162.18                     | 161.80                     | Frame Averaged (mW)                         | 87.10                      | 86.89                      |
| Linearity SAR (W/kg)                        | 1.301                      |                            | Linearity SAR (W/kg)                        | 0.898                      |                            |
| % deviation from expected linearity         |                            | -7.14%                     | % deviation from expected linearity         |                            | 1.35%                      |
| N41-Linearity Data for Body-worn Ant0 Close |                            |                            | N41-Linearity Data for Body-worn Ant1 Close |                            |                            |
|                                             | FR1 n41<br>(Power Class 3) | FR1 n41<br>(Power Class 2) |                                             | FR1 n41<br>(Power Class 3) | FR1 n41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                 | 17.70                      | 20.70                      | Maximum Tune up Power (dBm)                 | 19.90                      | 22.90                      |
| Reported 1g SAR (W/kg)                      | 0.926                      | 0.852                      | Reported 1g SAR (W/kg)                      | 0.910                      | 0.894                      |
| Duty Cycle                                  | 100.00%                    | 50.00%                     | Duty Cycle                                  | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                         | 58.88                      | 58.74                      | Frame Averaged (mW)                         | 97.72                      | 97.49                      |
| Linearity SAR (W/kg)                        | 0.924                      |                            | Linearity SAR (W/kg)                        | 0.908                      |                            |
| % deviation from expected linearity         |                            | -7.77%                     | % deviation from expected linearity         |                            | -1.52%                     |
| N41-Linearity Data for Hotspot Ant0 Open    |                            |                            | N41-Linearity Data for Hotspot Ant1 Open    |                            |                            |
|                                             | FR1 n41<br>(Power Class 3) | FR1 n41<br>(Power Class 2) |                                             | FR1 n41<br>(Power Class 3) | FR1 n41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                 | 20.30                      | 23.30                      | Maximum Tune up Power (dBm)                 | 15.60                      | 18.60                      |
| Reported 1g SAR (W/kg)                      | 1.270                      | 1.249                      | Reported 1g SAR (W/kg)                      | 0.618                      | 0.611                      |
| Duty Cycle                                  | 100.00%                    | 50.00%                     | Duty Cycle                                  | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                         | 107.15                     | 106.90                     | Frame Averaged (mW)                         | 36.31                      | 36.22                      |
| Linearity SAR (W/kg)                        | 1.267                      |                            | Linearity SAR (W/kg)                        | 0.617                      |                            |
| % deviation from expected linearity         |                            | -1.42%                     | % deviation from expected linearity         |                            | -0.90%                     |
| N41-Linearity Data for Hotspot Ant0 Close   |                            |                            | N41-Linearity Data for Hotspot Ant1 Close   |                            |                            |
|                                             | FR1 n41<br>(Power Class 3) | FR1 n41<br>(Power Class 2) |                                             | FR1 n41<br>(Power Class 3) | FR1 n41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                 | 15.10                      | 18.10                      | Maximum Tune up Power (dBm)                 | 18.20                      | 21.20                      |
| Reported 1g SAR (W/kg)                      | 0.624                      | 0.585                      | Reported 1g SAR (W/kg)                      | 0.618                      | 0.613                      |
| Duty Cycle                                  | 100.00%                    | 50.00%                     | Duty Cycle                                  | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                         | 32.36                      | 32.28                      | Frame Averaged (mW)                         | 66.07                      | 65.91                      |
| Linearity SAR (W/kg)                        | 0.623                      |                            | Linearity SAR (W/kg)                        | 0.617                      |                            |
| % deviation from expected linearity         |                            | -6.03%                     | % deviation from expected linearity         |                            | -0.57%                     |
| N41-Linearity Data for Extremity Ant0 Open  |                            |                            | N41-Linearity Data for Extremity Ant1 Open  |                            |                            |
|                                             | FR1 n41<br>(Power Class 3) | FR1 n41<br>(Power Class 2) |                                             | FR1 n41<br>(Power Class 3) | FR1 n41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                 | 22.00                      | 25.00                      | Maximum Tune up Power (dBm)                 | 21.50                      | 24.50                      |
| Reported 10g SAR (W/kg)                     | 3.178                      | 3.029                      | Reported 10g SAR (W/kg)                     | 2.470                      | 2.379                      |
| Duty Cycle                                  | 100.00%                    | 50.00%                     | Duty Cycle                                  | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                         | 158.49                     | 158.11                     | Frame Averaged (mW)                         | 141.25                     | 140.92                     |
| Linearity SAR (W/kg)                        | 3.170                      |                            | Linearity SAR (W/kg)                        | 2.464                      |                            |
| % deviation from expected linearity         |                            | -4.46%                     | % deviation from expected linearity         |                            | -3.46%                     |

| N41-Linearity Data for Head Ant2            |                            |                            | N41-Linearity Data for Head Ant3            |                            |                            |
|---------------------------------------------|----------------------------|----------------------------|---------------------------------------------|----------------------------|----------------------------|
|                                             | FR1 n41<br>(Power Class 3) | FR1 n41<br>(Power Class 2) |                                             | FR1 n41<br>(Power Class 3) | FR1 n41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                 | 24.00                      | 27.00                      | Maximum Tune up Power (dBm)                 | 15.80                      | 18.80                      |
| Reported 1g SAR (W/kg)                      | 0.079                      | 0.078                      | Reported 1g SAR (W/kg)                      | 0.929                      | 0.839                      |
| Duty Cycle                                  | 100.00%                    | 50.00%                     | Duty Cycle                                  | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                         | 251.19                     | 250.59                     | Frame Averaged (mW)                         | 38.02                      | 37.93                      |
| Linearity SAR (W/kg)                        | 0.079                      |                            | Linearity SAR (W/kg)                        | 0.927                      |                            |
| % deviation from expected linearity         |                            | -1.03%                     | % deviation from expected linearity         |                            | -9.47%                     |
| N41-Linearity Data for Body-worn Ant2 Open  |                            |                            | N41-Linearity Data for Body-worn Ant3 Open  |                            |                            |
|                                             | FR1 n41<br>(Power Class 3) | FR1 n41<br>(Power Class 2) |                                             | FR1 n41<br>(Power Class 3) | FR1 n41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                 | 21.40                      | 24.40                      | Maximum Tune up Power (dBm)                 | 19.80                      | 22.80                      |
| Reported 1g SAR (W/kg)                      | 1.281                      | 1.206                      | Reported 1g SAR (W/kg)                      | 0.872                      | 0.928                      |
| Duty Cycle                                  | 100.00%                    | 50.00%                     | Duty Cycle                                  | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                         | 138.04                     | 137.71                     | Frame Averaged (mW)                         | 95.50                      | 95.27                      |
| Linearity SAR (W/kg)                        | 1.278                      |                            | Linearity SAR (W/kg)                        | 0.870                      |                            |
| % deviation from expected linearity         |                            | -5.63%                     | % deviation from expected linearity         |                            | 6.67%                      |
| N41-Linearity Data for Body-worn Ant2 Close |                            |                            | N41-Linearity Data for Body-worn Ant3 Close |                            |                            |
|                                             | FR1 n41<br>(Power Class 3) | FR1 n41<br>(Power Class 2) |                                             | FR1 n41<br>(Power Class 3) | FR1 n41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                 | 20.30                      | 23.30                      | Maximum Tune up Power (dBm)                 | 21.60                      | 24.60                      |
| Reported 1g SAR (W/kg)                      | 0.916                      | 0.856                      | Reported 1g SAR (W/kg)                      | 0.930                      | 0.865                      |
| Duty Cycle                                  | 100.00%                    | 50.00%                     | Duty Cycle                                  | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                         | 107.15                     | 106.90                     | Frame Averaged (mW)                         | 144.54                     | 144.20                     |
| Linearity SAR (W/kg)                        | 0.914                      |                            | Linearity SAR (W/kg)                        | 0.928                      |                            |
| % deviation from expected linearity         |                            | -6.33%                     | % deviation from expected linearity         |                            | -6.77%                     |
| N41-Linearity Data for Hotspot Ant2 Open    |                            |                            | N41-Linearity Data for Hotspot Ant3 Open    |                            |                            |
|                                             | FR1 n41<br>(Power Class 3) | FR1 n41<br>(Power Class 2) |                                             | FR1 n41<br>(Power Class 3) | FR1 n41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                 | 20.40                      | 23.40                      | Maximum Tune up Power (dBm)                 | 18.30                      | 21.30                      |
| Reported 1g SAR (W/kg)                      | 1.284                      | 1.254                      | Reported 1g SAR (W/kg)                      | 0.631                      | 0.581                      |
| Duty Cycle                                  | 100.00%                    | 50.00%                     | Duty Cycle                                  | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                         | 109.65                     | 109.39                     | Frame Averaged (mW)                         | 67.61                      | 67.45                      |
| Linearity SAR (W/kg)                        | 1.281                      |                            | Linearity SAR (W/kg)                        | 0.630                      |                            |
| % deviation from expected linearity         |                            | -2.10%                     | % deviation from expected linearity         |                            | -7.71%                     |
| N41-Linearity Data for Hotspot Ant2 Close   |                            |                            | N41-Linearity Data for Hotspot Ant3 Close   |                            |                            |
|                                             | FR1 n41<br>(Power Class 3) | FR1 n41<br>(Power Class 2) |                                             | FR1 n41<br>(Power Class 3) | FR1 n41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                 | 19.00                      | 22.00                      | Maximum Tune up Power (dBm)                 | 19.90                      | 22.90                      |
| Reported 1g SAR (W/kg)                      | 0.625                      | 0.579                      | Reported 1g SAR (W/kg)                      | 0.615                      | 0.612                      |
| Duty Cycle                                  | 100.00%                    | 50.00%                     | Duty Cycle                                  | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                         | 79.43                      | 79.24                      | Frame Averaged (mW)                         | 97.72                      | 97.49                      |
| Linearity SAR (W/kg)                        | 0.624                      |                            | Linearity SAR (W/kg)                        | 0.614                      |                            |
| % deviation from expected linearity         |                            | -7.14%                     | % deviation from expected linearity         |                            | -0.25%                     |
| N41-Linearity Data for Extremity Ant2 Open  |                            |                            | N41-Linearity Data for Extremity Ant3 Open  |                            |                            |
|                                             | FR1 n41<br>(Power Class 3) | FR1 n41<br>(Power Class 2) |                                             | FR1 n41<br>(Power Class 3) | FR1 n41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                 | 22.50                      | 25.50                      | Maximum Tune up Power (dBm)                 | 21.20                      | 24.20                      |
| Reported 10g SAR (W/kg)                     | 3.169                      | 3.009                      | Reported 10g SAR (W/kg)                     | 2.484                      | 2.475                      |
| Duty Cycle                                  | 100.00%                    | 50.00%                     | Duty Cycle                                  | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                         | 177.83                     | 177.41                     | Frame Averaged (mW)                         | 131.83                     | 131.51                     |
| Linearity SAR (W/kg)                        | 3.161                      |                            | Linearity SAR (W/kg)                        | 2.478                      |                            |
| % deviation from expected linearity         |                            | -4.82%                     | % deviation from expected linearity         |                            | -0.13%                     |

| N77 Part 270-Linearity Data for Head Ant1            |                            |                            | N77 Part 270-Linearity Data for Head Ant2            |                            |                            |
|------------------------------------------------------|----------------------------|----------------------------|------------------------------------------------------|----------------------------|----------------------------|
|                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 13.50                      | 16.50                      | Maximum Tune up Power (dBm)                          | 24.00                      | 27.00                      |
| Reported 1g SAR (W/kg)                               | 0.111                      | 0.110                      | Reported 1g SAR (W/kg)                               | 0.435                      | 0.401                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     | Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 22.39                      | 22.33                      | Frame Averaged (mW)                                  | 251.19                     | 250.59                     |
| Linearity SAR (W/kg)                                 | 0.111                      |                            | Linearity SAR (W/kg)                                 | 0.434                      |                            |
| % deviation from expected linearity                  |                            | -0.67%                     | % deviation from expected linearity                  |                            | -7.60%                     |
| N77 Part 27Q-Linearity Data for Head Ant1            |                            |                            | N77 Part 27Q-Linearity Data for Head Ant2            |                            |                            |
|                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 13.50                      | 16.50                      | Maximum Tune up Power (dBm)                          | 24.00                      | 27.00                      |
| Reported 1g SAR (W/kg)                               | 0.927                      | 0.863                      | Reported 1g SAR (W/kg)                               | 0.231                      | 0.217                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     | Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 22.39                      | 22.33                      | Frame Averaged (mW)                                  | 251.19                     | 250.59                     |
| Linearity SAR (W/kg)                                 | 0.925                      |                            | Linearity SAR (W/kg)                                 | 0.230                      |                            |
| % deviation from expected linearity                  |                            | -6.68%                     | % deviation from expected linearity                  |                            | -5.84%                     |
| N77 Part 270-Linearity Data for Body-worn Ant1 Open  |                            |                            | N77 Part 270-Linearity Data for Body-worn Ant2 Open  |                            |                            |
|                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 19.00                      | 22.00                      | Maximum Tune up Power (dBm)                          | 23.40                      | 26.40                      |
| Reported 1g SAR (W/kg)                               | 0.264                      | 0.242                      | Reported 1g SAR (W/kg)                               | 1.152                      | 1.140                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     | Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 79.43                      | 79.24                      | Frame Averaged (mW)                                  | 218.78                     | 218.26                     |
| Linearity SAR (W/kg)                                 | 0.263                      |                            | Linearity SAR (W/kg)                                 | 1.149                      |                            |
| % deviation from expected linearity                  |                            | -8.12%                     | % deviation from expected linearity                  |                            | -0.81%                     |
| N77 Part 27Q-Linearity Data for Body-worn Ant1 Open  |                            |                            | N77 Part 27Q-Linearity Data for Body-worn Ant2 Open  |                            |                            |
|                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 19.00                      | 22.00                      | Maximum Tune up Power (dBm)                          | 23.40                      | 26.40                      |
| Reported 1g SAR (W/kg)                               | 0.920                      | 0.913                      | Reported 1g SAR (W/kg)                               | 1.285                      | 1.226                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     | Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 79.43                      | 79.24                      | Frame Averaged (mW)                                  | 218.78                     | 218.26                     |
| Linearity SAR (W/kg)                                 | 0.918                      |                            | Linearity SAR (W/kg)                                 | 1.282                      |                            |
| % deviation from expected linearity                  |                            | -0.53%                     | % deviation from expected linearity                  |                            | -4.36%                     |
| N77 Part 270-Linearity Data for Body-worn Ant1 Close |                            |                            | N77 Part 270-Linearity Data for Body-worn Ant2 Close |                            |                            |
|                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 24.50                      | 27.50                      | Maximum Tune up Power (dBm)                          | 21.70                      | 24.70                      |
| Reported 1g SAR (W/kg)                               | 0.603                      | 0.578                      | Reported 1g SAR (W/kg)                               | 0.928                      | 0.921                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     | Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 281.84                     | 281.17                     | Frame Averaged (mW)                                  | 147.91                     | 147.56                     |
| Linearity SAR (W/kg)                                 | 0.602                      |                            | Linearity SAR (W/kg)                                 | 0.926                      |                            |
| % deviation from expected linearity                  |                            | -3.92%                     | % deviation from expected linearity                  |                            | -0.52%                     |
| N77 Part 27Q-Linearity Data for Body-worn Ant1 Close |                            |                            | N77 Part 27Q-Linearity Data for Body-worn Ant2 Close |                            |                            |
|                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 24.50                      | 27.50                      | Maximum Tune up Power (dBm)                          | 21.70                      | 24.70                      |
| Reported 1g SAR (W/kg)                               | 0.821                      | 0.787                      | Reported 1g SAR (W/kg)                               | 0.804                      | 0.793                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     | Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 281.84                     | 281.17                     | Frame Averaged (mW)                                  | 147.91                     | 147.56                     |
| Linearity SAR (W/kg)                                 | 0.819                      |                            | Linearity SAR (W/kg)                                 | 0.802                      |                            |
| % deviation from expected linearity                  |                            | -3.91%                     | % deviation from expected linearity                  |                            | -1.13%                     |
| N77 Part 270-Linearity Data for Hotspot Ant1 Open    |                            |                            | N77 Part 270-Linearity Data for Hotspot Ant2 Open    |                            |                            |
|                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 13.40                      | 16.40                      | Maximum Tune up Power (dBm)                          | 21.70                      | 24.70                      |
| Reported 1g SAR (W/kg)                               | 0.137                      | 0.128                      | Reported 1g SAR (W/kg)                               | 1.268                      | 1.176                      |



|                                                     |                            |                            |                                                     |                            |                            |
|-----------------------------------------------------|----------------------------|----------------------------|-----------------------------------------------------|----------------------------|----------------------------|
| Duty Cycle                                          | 100.00%                    | 50.00%                     | Duty Cycle                                          | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                 | 21.88                      | 21.83                      | Frame Averaged (mW)                                 | 147.91                     | 147.56                     |
| Linearity SAR (W/kg)                                | 0.137                      |                            | Linearity SAR (W/kg)                                | 1.265                      |                            |
| % deviation from expected linearity                 |                            | -6.35%                     | % deviation from expected linearity                 |                            | -7.04%                     |
| N77 Part 27Q-Linearity Data for Hotspot Ant1 Open   |                            |                            | N77 Part 27Q-Linearity Data for Hotspot Ant2 Open   |                            |                            |
|                                                     | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |                                                     | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                         | 13.40                      | 16.40                      | Maximum Tune up Power (dBm)                         | 21.70                      | 24.70                      |
| Reported 1g SAR (W/kg)                              | 0.616                      | 0.596                      | Reported 1g SAR (W/kg)                              | 0.883                      | 0.858                      |
| Duty Cycle                                          | 100.00%                    | 50.00%                     | Duty Cycle                                          | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                 | 21.88                      | 21.83                      | Frame Averaged (mW)                                 | 147.91                     | 147.56                     |
| Linearity SAR (W/kg)                                | 0.615                      |                            | Linearity SAR (W/kg)                                | 0.881                      |                            |
| % deviation from expected linearity                 |                            | -3.02%                     | % deviation from expected linearity                 |                            | -2.60%                     |
| N77 Part 27O-Linearity Data for Hotspot Ant1 Close  |                            |                            | N77 Part 27O-Linearity Data for Hotspot Ant2 Close  |                            |                            |
|                                                     | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |                                                     | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                         | 12.60                      | 15.60                      | Maximum Tune up Power (dBm)                         | 20.20                      | 23.20                      |
| Reported 1g SAR (W/kg)                              | 0.106                      | 0.101                      | Reported 1g SAR (W/kg)                              | 0.628                      | 0.578                      |
| Duty Cycle                                          | 100.00%                    | 50.00%                     | Duty Cycle                                          | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                 | 18.20                      | 18.15                      | Frame Averaged (mW)                                 | 104.71                     | 104.46                     |
| Linearity SAR (W/kg)                                | 0.106                      |                            | Linearity SAR (W/kg)                                | 0.627                      |                            |
| % deviation from expected linearity                 |                            | -4.49%                     | % deviation from expected linearity                 |                            | -7.74%                     |
| N77 Part 27Q-Linearity Data for Hotspot Ant1 Close  |                            |                            | N77 Part 27Q-Linearity Data for Hotspot Ant2 Close  |                            |                            |
|                                                     | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |                                                     | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                         | 12.60                      | 15.60                      | Maximum Tune up Power (dBm)                         | 20.20                      | 23.20                      |
| Reported 1g SAR (W/kg)                              | 0.625                      | 0.617                      | Reported 1g SAR (W/kg)                              | 0.548                      | 0.504                      |
| Duty Cycle                                          | 100.00%                    | 50.00%                     | Duty Cycle                                          | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                 | 18.20                      | 18.15                      | Frame Averaged (mW)                                 | 104.71                     | 104.46                     |
| Linearity SAR (W/kg)                                | 0.624                      |                            | Linearity SAR (W/kg)                                | 0.547                      |                            |
| % deviation from expected linearity                 |                            | -1.05%                     | % deviation from expected linearity                 |                            | -7.81%                     |
| N77 Part 27O-Linearity Data for Extremity Ant1 Open |                            |                            | N77 Part 27O-Linearity Data for Extremity Ant2 Open |                            |                            |
|                                                     | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |                                                     | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                         | 21.30                      | 24.30                      | Maximum Tune up Power (dBm)                         | 24.00                      | 27.00                      |
| Reported 10g SAR (W/kg)                             | 2.440                      | 2.361                      | Reported 10g SAR (W/kg)                             | 2.374                      | 2.325                      |
| Duty Cycle                                          | 100.00%                    | 50.00%                     | Duty Cycle                                          | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                 | 134.90                     | 134.58                     | Frame Averaged (mW)                                 | 251.19                     | 250.59                     |
| Linearity SAR (W/kg)                                | 2.434                      |                            | Linearity SAR (W/kg)                                | 2.368                      |                            |
| % deviation from expected linearity                 |                            | -3.01%                     | % deviation from expected linearity                 |                            | -1.83%                     |
| N77 Part 27Q-Linearity Data for Extremity Ant1 Open |                            |                            | N77 Part 27Q-Linearity Data for Extremity Ant2 Open |                            |                            |
|                                                     | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |                                                     | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                         | 21.30                      | 24.30                      | Maximum Tune up Power (dBm)                         | 24.00                      | 27.00                      |
| Reported 10g SAR (W/kg)                             | 2.374                      | 2.325                      | Reported 10g SAR (W/kg)                             | 2.312                      | 2.164                      |
| Duty Cycle                                          | 100.00%                    | 50.00%                     | Duty Cycle                                          | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                 | 134.90                     | 134.58                     | Frame Averaged (mW)                                 | 251.19                     | 250.59                     |
| Linearity SAR (W/kg)                                | 2.368                      |                            | Linearity SAR (W/kg)                                | 2.307                      |                            |
| % deviation from expected linearity                 |                            | -1.83%                     | % deviation from expected linearity                 |                            | -6.18%                     |

| N77 Part 270-Linearity Data for Head Ant3            |                            |                            | N77 Part 270-Linearity Data for Head Ant5            |                            |                            |
|------------------------------------------------------|----------------------------|----------------------------|------------------------------------------------------|----------------------------|----------------------------|
|                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 15.70                      | 18.70                      | Maximum Tune up Power (dBm)                          | 17.00                      | 20.00                      |
| Reported 1g SAR (W/kg)                               | 0.837                      | 0.784                      | Reported 1g SAR (W/kg)                               | 0.625                      | 0.619                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     | Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 37.15                      | 37.07                      | Frame Averaged (mW)                                  | 50.12                      | 50.00                      |
| Linearity SAR (W/kg)                                 | 0.835                      |                            | Linearity SAR (W/kg)                                 | 0.624                      |                            |
| % deviation from expected linearity                  |                            | -6.11%                     | % deviation from expected linearity                  |                            | -0.72%                     |
| N77 Part 27Q-Linearity Data for Head Ant3            |                            |                            | N77 Part 27Q-Linearity Data for Head Ant5            |                            |                            |
|                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 15.70                      | 18.70                      | Maximum Tune up Power (dBm)                          | 17.00                      | 20.00                      |
| Reported 1g SAR (W/kg)                               | 0.930                      | 0.869                      | Reported 1g SAR (W/kg)                               | 0.924                      | 0.876                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     | Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 37.15                      | 37.07                      | Frame Averaged (mW)                                  | 50.12                      | 50.00                      |
| Linearity SAR (W/kg)                                 | 0.928                      |                            | Linearity SAR (W/kg)                                 | 0.922                      |                            |
| % deviation from expected linearity                  |                            | -6.34%                     | % deviation from expected linearity                  |                            | -4.97%                     |
| N77 Part 270-Linearity Data for Body-worn Ant3 Open  |                            |                            | N77 Part 270-Linearity Data for Body-worn Ant5 Open  |                            |                            |
|                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 17.90                      | 20.90                      | Maximum Tune up Power (dBm)                          | 20.50                      | 23.50                      |
| Reported 1g SAR (W/kg)                               | 0.911                      | 0.884                      | Reported 1g SAR (W/kg)                               | 0.494                      | 0.489                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     | Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 61.66                      | 61.51                      | Frame Averaged (mW)                                  | 112.20                     | 111.94                     |
| Linearity SAR (W/kg)                                 | 0.909                      |                            | Linearity SAR (W/kg)                                 | 0.493                      |                            |
| % deviation from expected linearity                  |                            | -2.73%                     | % deviation from expected linearity                  |                            | -0.78%                     |
| N77 Part 27Q-Linearity Data for Body-worn Ant3 Open  |                            |                            | N77 Part 27Q-Linearity Data for Body-worn Ant5 Open  |                            |                            |
|                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 17.90                      | 20.90                      | Maximum Tune up Power (dBm)                          | 20.50                      | 23.50                      |
| Reported 1g SAR (W/kg)                               | 0.826                      | 0.779                      | Reported 1g SAR (W/kg)                               | 0.916                      | 0.899                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     | Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 61.66                      | 61.51                      | Frame Averaged (mW)                                  | 112.20                     | 111.94                     |
| Linearity SAR (W/kg)                                 | 0.824                      |                            | Linearity SAR (W/kg)                                 | 0.914                      |                            |
| % deviation from expected linearity                  |                            | -5.47%                     | % deviation from expected linearity                  |                            | -1.62%                     |
| N77 Part 270-Linearity Data for Body-worn Ant3 Close |                            |                            | N77 Part 270-Linearity Data for Body-worn Ant5 Close |                            |                            |
|                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 18.80                      | 21.80                      | Maximum Tune up Power (dBm)                          | 21.00                      | 24.00                      |
| Reported 1g SAR (W/kg)                               | 0.928                      | 0.916                      | Reported 1g SAR (W/kg)                               | 0.527                      | 0.524                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     | Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 75.86                      | 75.68                      | Frame Averaged (mW)                                  | 125.89                     | 125.59                     |
| Linearity SAR (W/kg)                                 | 0.926                      |                            | Linearity SAR (W/kg)                                 | 0.526                      |                            |
| % deviation from expected linearity                  |                            | -1.06%                     | % deviation from expected linearity                  |                            | -0.33%                     |
| N77 Part 27Q-Linearity Data for Body-worn Ant3 Close |                            |                            | N77 Part 27Q-Linearity Data for Body-worn Ant5 Close |                            |                            |
|                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 18.80                      | 21.80                      | Maximum Tune up Power (dBm)                          | 21.00                      | 24.00                      |
| Reported 1g SAR (W/kg)                               | 0.649                      | 0.607                      | Reported 1g SAR (W/kg)                               | 0.928                      | 0.912                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     | Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 75.86                      | 75.68                      | Frame Averaged (mW)                                  | 125.89                     | 125.59                     |
| Linearity SAR (W/kg)                                 | 0.647                      |                            | Linearity SAR (W/kg)                                 | 0.926                      |                            |
| % deviation from expected linearity                  |                            | -6.25%                     | % deviation from expected linearity                  |                            | -1.49%                     |
| N77 Part 270-Linearity Data for Hotspot Ant3 Open    |                            |                            | N77 Part 270-Linearity Data for Hotspot Ant5 Open    |                            |                            |
|                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |                                                      | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 11.60                      | 14.60                      | Maximum Tune up Power (dBm)                          | 13.60                      | 16.60                      |
| Reported 1g SAR (W/kg)                               | 0.618                      | 0.559                      | Reported 1g SAR (W/kg)                               | 0.208                      | 0.204                      |



|                                                     |                            |                            |                                                     |                            |                            |
|-----------------------------------------------------|----------------------------|----------------------------|-----------------------------------------------------|----------------------------|----------------------------|
| Duty Cycle                                          | 100.00%                    | 50.00%                     | Duty Cycle                                          | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                 | 14.45                      | 14.42                      | Frame Averaged (mW)                                 | 22.91                      | 22.85                      |
| Linearity SAR (W/kg)                                | 0.617                      |                            | Linearity SAR (W/kg)                                | 0.208                      |                            |
| % deviation from expected linearity                 |                            | -9.33%                     | % deviation from expected linearity                 |                            | -1.69%                     |
| N77 Part 27Q-Linearity Data for Hotspot Ant3 Open   |                            |                            | N77 Part 27Q-Linearity Data for Hotspot Ant5 Open   |                            |                            |
|                                                     | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |                                                     | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                         | 11.60                      | 14.60                      | Maximum Tune up Power (dBm)                         | 13.60                      | 16.60                      |
| Reported 1g SAR (W/kg)                              | 0.398                      | 0.362                      | Reported 1g SAR (W/kg)                              | 0.617                      | 0.566                      |
| Duty Cycle                                          | 100.00%                    | 50.00%                     | Duty Cycle                                          | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                 | 14.45                      | 14.42                      | Frame Averaged (mW)                                 | 22.91                      | 22.85                      |
| Linearity SAR (W/kg)                                | 0.397                      |                            | Linearity SAR (W/kg)                                | 0.616                      |                            |
| % deviation from expected linearity                 |                            | -8.83%                     | % deviation from expected linearity                 |                            | -8.05%                     |
| N77 Part 27O-Linearity Data for Hotspot Ant3 Close  |                            |                            | N77 Part 27O-Linearity Data for Hotspot Ant5 Close  |                            |                            |
|                                                     | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |                                                     | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                         | 12.60                      | 15.60                      | Maximum Tune up Power (dBm)                         | 14.50                      | 17.50                      |
| Reported 1g SAR (W/kg)                              | 0.628                      | 0.566                      | Reported 1g SAR (W/kg)                              | 0.309                      | 0.290                      |
| Duty Cycle                                          | 100.00%                    | 50.00%                     | Duty Cycle                                          | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                 | 18.20                      | 18.15                      | Frame Averaged (mW)                                 | 28.18                      | 28.12                      |
| Linearity SAR (W/kg)                                | 0.627                      |                            | Linearity SAR (W/kg)                                | 0.308                      |                            |
| % deviation from expected linearity                 |                            | -9.66%                     | % deviation from expected linearity                 |                            | -5.93%                     |
| N77 Part 27Q-Linearity Data for Hotspot Ant3 Close  |                            |                            | N77 Part 27Q-Linearity Data for Hotspot Ant5 Close  |                            |                            |
|                                                     | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |                                                     | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                         | 12.60                      | 15.60                      | Maximum Tune up Power (dBm)                         | 14.50                      | 17.50                      |
| Reported 1g SAR (W/kg)                              | 0.468                      | 0.423                      | Reported 1g SAR (W/kg)                              | 0.610                      | 0.555                      |
| Duty Cycle                                          | 100.00%                    | 50.00%                     | Duty Cycle                                          | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                 | 18.20                      | 18.15                      | Frame Averaged (mW)                                 | 28.18                      | 28.12                      |
| Linearity SAR (W/kg)                                | 0.467                      |                            | Linearity SAR (W/kg)                                | 0.609                      |                            |
| % deviation from expected linearity                 |                            | -9.40%                     | % deviation from expected linearity                 |                            | -8.80%                     |
| N77 Part 27O-Linearity Data for Extremity Ant3 Open |                            |                            | N77 Part 27O-Linearity Data for Extremity Ant5 Open |                            |                            |
|                                                     | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |                                                     | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                         | 19.50                      | 22.50                      | Maximum Tune up Power (dBm)                         | 22.20                      | 25.20                      |
| Reported 10g SAR (W/kg)                             | 2.098                      | 1.920                      | Reported 10g SAR (W/kg)                             | 2.274                      | 2.063                      |
| Duty Cycle                                          | 100.00%                    | 50.00%                     | Duty Cycle                                          | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                 | 89.13                      | 88.91                      | Frame Averaged (mW)                                 | 165.96                     | 165.57                     |
| Linearity SAR (W/kg)                                | 2.093                      |                            | Linearity SAR (W/kg)                                | 2.269                      |                            |
| % deviation from expected linearity                 |                            | -8.27%                     | % deviation from expected linearity                 |                            | -9.06%                     |
| N77 Part 27Q-Linearity Data for Extremity Ant3 Open |                            |                            | N77 Part 27Q-Linearity Data for Extremity Ant5 Open |                            |                            |
|                                                     | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |                                                     | FR1 n77<br>(Power Class 3) | FR1 n77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                         | 19.50                      | 22.50                      | Maximum Tune up Power (dBm)                         | 22.20                      | 25.20                      |
| Reported 10g SAR (W/kg)                             | 2.490                      | 2.394                      | Reported 10g SAR (W/kg)                             | 2.482                      | 2.234                      |
| Duty Cycle                                          | 100.00%                    | 50.00%                     | Duty Cycle                                          | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                 | 89.13                      | 88.91                      | Frame Averaged (mW)                                 | 165.96                     | 165.57                     |
| Linearity SAR (W/kg)                                | 2.484                      |                            | Linearity SAR (W/kg)                                | 2.476                      |                            |
| % deviation from expected linearity                 |                            | -3.63%                     | % deviation from expected linearity                 |                            | -9.78%                     |

## 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                      |
| 13. | WWAN + WLAN2.4GHz+NFC                    |                  |           |         | Yes                      |
| 14. | WWAN + WLAN5GHz+NFC                      |                  |           |         | Yes                      |
| 15. | WWAN + WLAN6GHz+NFC                      |                  |           |         | Yes                      |
| 16. | WWAN + Bluetooth+NFC                     |                  |           |         | Yes                      |
| 17. | WLAN2.4GHz + WLAN5GHz+NFC                |                  |           |         | Yes                      |
| 18. | WLAN2.4GHz + WLAN6GHz+NFC                |                  |           |         | Yes                      |
| 19. | WLAN5GHz+ Bluetooth+NFC                  |                  |           |         | Yes                      |
| 20. | WLAN6GHz+ Bluetooth+NFC                  |                  |           |         | Yes                      |
| 21. | WWAN + WLAN2.4GHz + WLAN5GHz+NFC         |                  |           |         | Yes                      |
| 22. | WWAN + WLAN2.4GHz + WLAN6GHz+NFC         |                  |           |         | Yes                      |
| 23. | WWAN + WLAN5GHz+ Bluetooth+NFC           |                  |           |         | Yes                      |
| 24. | WWAN + WLAN6GHz+ Bluetooth+NFC           |                  |           |         | Yes                      |

### General Note:

- This device supports VoIP in GPRS, EGPRS, WCDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
- WWAN above includes 5G NR bands.
- 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.
- According to the EUT characteristic, two Bluetooth antennas cannot transmit simultaneously with each other.
- 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.
- NFC can transmit simultaneously with other Radios in extremity exposure condition.
- For standalone WWAN in Flip open state, always choose the highest SAR among all 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 standalone WWAN in Flip Close state, always choose the highest SAR among all WWAN bands within all

antennas for each exposure position to perform simultaneous transmission analysis with WLAN/BT. This is the worst co-located analysis and can represent each bands.

17. The maximum SAR summation is calculated based on the same configuration and test position.
18. 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.
19. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
  - i) 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
  - ii)  $SPLSR = (SAR1 + SAR2)^{1.5} / (\min. \text{ separation distance, mm})$ , 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.
  - iii) If  $SPLSR \leq 0.04$  for 1g SAR and  $SPLSR \leq 0.10$  for 10g SAR , simultaneously transmission SAR measurement is not necessary.
  - iv) 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 17.6.
20. The WLAN6GHz 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

Else, if  $A + C > 1.0$  and/or  $B + C > 1.0$ , then the followings need to hold true for compliance:

- i. A and C are decoupled based on the SPLSR criteria, and
- ii.  $(100-x)\% * B + C \leq 1.0$ , and
- iii.  $x\% * A + (100-x)\% * B \leq 1.0$

Note iii. is covered in Part 2 report; i. and ii. should be addressed in Part 2 report.

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.

Above analysis is also apply to NR band UL MIMO, NR(SISO1) + NR(SISO2) + WLAN + BT simultaneous transmission, So UL MIMO no need to do additional simultaneously analysis again. Only required comply with total exposure ratio (TER) of NR + WLAN + BT < 1.



## 17.2 Head Exposure Conditions

&lt; Flip Open &gt;

| WWAN Band | Exposure Position | 1             | 2                           | 3                          | 4                      | 5                         | 6                        | 7                    | 8               | 9               | 10               | 1+3           | 1+6+8         | 1+6+9         | 1+10+8        | 1+10+9        | 1+4+7         | 1+4+10        | 2+5           | 2+10          |
|-----------|-------------------|---------------|-----------------------------|----------------------------|------------------------|---------------------------|--------------------------|----------------------|-----------------|-----------------|------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|           |                   | WWAN          | WLAN2.4GHz Ant 4+6 DBS Only | WLAN2.4GHz Ant 4+6 non DBS | WLAN2.4GHz Ant 4+6 DBS | WLAN5GHz Ant 5+4 DBS Only | WLAN5GHz Ant 5+4 non DBS | WLAN5GHz Ant 5+4 DBS | Bluetooth Ant 4 | Bluetooth Ant 6 | WLAN6GHz Ant 5+4 | Summed        | Summed        | Summed        | Summed        | Summed        | Summed        | Summed        | Summed        | 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) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) |
| All Bands | Right Cheek       | 0.972         | 0.793                       | 0.404                      | 0.193                  | 0.791                     | 0.390                    | 0.193                | 0.124           | 0.088           | 0.070            | 1.38          | 1.49          | 1.45          | 1.17          | 1.13          | 1.36          | 1.24          | 1.58          | 0.86          |
|           | Right Tilted      | 0.804         | 0.595                       | 0.301                      | 0.143                  | 0.499                     | 0.246                    | 0.122                | 0.124           | 0.088           | 0.082            | 1.11          | 1.17          | 1.14          | 1.01          | 0.97          | 1.07          | 1.03          | 1.09          | 0.68          |
|           | Left Cheek        | 0.936         | 0.735                       | 0.381                      | 0.186                  | 0.797                     | 0.394                    | 0.193                | 0.124           | 0.088           | 0.438            | 1.32          | 1.45          | 1.42          | 1.50          | 1.46          | 1.32          | 1.56          | 1.53          | 1.17          |
|           | Left Tilted       | 0.930         | 0.229                       | 0.115                      | 0.055                  | 0.273                     | 0.134                    | 0.067                | 0.124           | 0.088           | 0.111            | 1.05          | 1.19          | 1.15          | 1.17          | 1.13          | 1.05          | 1.10          | 0.50          | 0.34          |

### 17.3 Hotspot Exposure Conditions

<Flip open>

| WWAN Band          | Exposure Position | 1             | 2                          | 3                      | 4                        | 5                    | 6               | 7               | 1+2           | 1+4+6         | 1+4+7         | 1+3+5         |
|--------------------|-------------------|---------------|----------------------------|------------------------|--------------------------|----------------------|-----------------|-----------------|---------------|---------------|---------------|---------------|
|                    |                   | WWAN          | WLAN2.4GHz Ant 4+6 non DBS | WLAN2.4GHz Ant 4+6 DBS | WLAN5GHz Ant 5+4 non DBS | WLAN5GHz Ant 5+4 DBS | Bluetooth Ant 4 | Bluetooth Ant 6 | Summed        | Summed        | Summed        | 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) |
| All Bands Ant1&3&5 | Front             | 0.644         | 0.539                      | 0.238                  | 0.414                    | 0.255                | 0.331           | 0.304           | 1.18          | 1.39          | 1.36          | 1.14          |
|                    | Back              | 0.628         | 0.572                      | 0.254                  | 0.307                    | 0.152                | 0.319           | 0.352           | 1.20          | 1.25          | 1.29          | 1.03          |
|                    | Left side         | 0.634         | 0.144                      | 0.044                  | 0.206                    | 0.121                | 0.158           |                 | 0.78          | 1.00          | 0.84          | 0.80          |
|                    | Right side        | 0.644         | 0.315                      | 0.128                  | 0.557                    | 0.276                |                 | 0.364           | 0.96          | 1.20          | 1.57          | 1.05          |
|                    | Top side          | 0.628         | 0.313                      | 0.126                  | 0.554                    | 0.217                | 0.206           |                 | 0.94          | 1.39          | 1.18          | 0.97          |
|                    | Bottom side       |               |                            |                        |                          |                      |                 |                 | 0.00          | 0.00          | 0.00          | 0.00          |
| All Bands Ant0&2   | Front             | 1.104         | 0.539                      | 0.238                  | 0.414                    | 0.255                | 0.331           | 0.304           | 1.64          | 1.85          | 1.82          | 1.60          |
|                    | Back              | 1.305         | 0.572                      | 0.254                  | 0.307                    | 0.152                | 0.319           | 0.352           | 1.88          | 1.93          | 1.96          | 1.71          |
|                    | Left side         | 1.118         | 0.144                      | 0.044                  | 0.206                    | 0.121                | 0.158           |                 | 1.26          | 1.48          | 1.32          | 1.28          |
|                    | Right side        | 0.652         | 0.315                      | 0.128                  | 0.557                    | 0.276                |                 | 0.364           | 0.97          | 1.21          | 1.57          | 1.06          |
|                    | Top side          |               | 0.313                      | 0.126                  | 0.554                    | 0.217                | 0.206           |                 | 0.31          | 0.76          | 0.55          | 0.34          |
|                    | Bottom side       | 1.302         |                            |                        |                          |                      |                 |                 | 1.30          | 1.30          | 1.30          | 1.30          |

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 17.6.

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

| NO            | 1                          | 2                      | 3                        | 4                    | 5               | 6               |                      |                      |                      |
|---------------|----------------------------|------------------------|--------------------------|----------------------|-----------------|-----------------|----------------------|----------------------|----------------------|
| Test Position | WLAN2.4GHz Ant 4+6 non DBS | WLAN2.4GHz Ant 4+6 DBS | WLAN5GHz Ant 5+4 non DBS | WLAN5GHz Ant 5+4 DBS | Bluetooth Ant 4 | Bluetooth Ant 6 | 3+5                  | 3+6                  | 2+4                  |
|               | 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) |
| Front         | 0.779                      | 0.345                  | 0.148                    | 0.739                | 0.358           | 0.171           | 0.51                 | 0.32                 | 1.08                 |
| Back          | 0.788                      | 0.349                  | 0.136                    | 0.708                | 0.342           | 0.070           | 0.48                 | 0.21                 | 1.06                 |

Note: Confirm the combination of WLAN/BT antennas, the sum of the SAR of the supported simultaneous transmission scenes is less than Limit, thus avoiding SPLSR.

<Flip Close >

| WWAN Band | Exposure Position | 1             | 2                          | 3                      | 4                        | 5                    | 6               | 7               | 1+2           | 1+3+5         | 1+4+6         | 1+4+7         |
|-----------|-------------------|---------------|----------------------------|------------------------|--------------------------|----------------------|-----------------|-----------------|---------------|---------------|---------------|---------------|
|           |                   | WWAN          | WLAN2.4GHz Ant 4+6 non DBS | WLAN2.4GHz Ant 4+6 DBS | WLAN5GHz Ant 5+4 non DBS | WLAN5GHz Ant 5+4 DBS | Bluetooth Ant 4 | Bluetooth Ant 6 | Summed        | Summed        | Summed        | 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) |
| All Bands | Front             | 0.629         | 0.311                      | 0.311                  | 0.285                    | 0.169                | 0.259           | 0.234           | 0.94          | 1.11          | 1.17          | 1.15          |
|           | Back              | 0.733         | 0.108                      | 0.108                  | 0.119                    | 0.119                | 0.128           |                 | 0.84          | 0.96          | 0.98          | 0.85          |
|           | Left side         | 0.636         | 0.118                      | 0.118                  | 0.237                    | 0.237                | 0.169           |                 | 0.75          | 0.99          | 1.04          | 0.87          |
|           | Right side        | 0.635         | 0.232                      | 0.232                  | 0.430                    | 0.278                | 0.029           | 0.355           | 0.87          | 1.15          | 1.09          | 1.42          |
|           | Top side          | 0.126         | 0.032                      | 0.032                  | 0.052                    | 0.052                |                 |                 | 0.16          | 0.21          | 0.18          | 0.18          |
|           | Bottom side       | 0.708         | 0.162                      | 0.162                  | 0.230                    | 0.230                | 0.164           |                 | 0.87          | 1.10          | 1.10          | 0.94          |

## 17.4 Body-Worn Accessory Exposure Conditions

<Flip open>

| WWAN Band         | Exposure Position | 1                           | 2                          | 3                      | 4                         | 5                        | 6                    | 7               | 8               | 9                | 10            | 1+3           | 1+6+8         | 1+6+9         | 1+10+8        | 1+10+9        | 1+4+7         | 1+4+10        | 2+5           | 2+10          |
|-------------------|-------------------|-----------------------------|----------------------------|------------------------|---------------------------|--------------------------|----------------------|-----------------|-----------------|------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| WWAN              | WWAN              | WLAN2.4GHz Ant 4+6 DBS Only | WLAN2.4GHz Ant 4+6 non DBS | WLAN2.4GHz Ant 4+6 DBS | WLAN5GHz Ant 5+4 DBS Only | WLAN5GHz Ant 5+4 non DBS | WLAN5GHz Ant 5+4 DBS | Bluetooth Ant 4 | Bluetooth Ant 6 | WLAN6GHz Ant 5+4 | Summed        | Summed        | Summed        | Summed        | Summed        | Summed        | Summed        | Summed        | Summed        | 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) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) |
| All Band Ant1&3&5 | Front             | 0.806                       | 0.779                      | 0.345                  | 0.148                     | 0.739                    | 0.358                | 0.171           | 0.331           | 0.344            | 0.184         | 1.15          | 1.50          | 1.51          | 1.32          | 1.33          | 1.13          | 1.14          | 1.52          | 0.96          |
|                   | Back              | 0.809                       | 0.788                      | 0.349                  | 0.136                     | 0.708                    | 0.342                | 0.070           | 0.319           | 0.404            | 0.144         | 1.16          | 1.47          | 1.56          | 1.27          | 1.36          | 1.02          | 1.09          | 1.50          | 0.93          |
| All Band Ant0&2   | Front             | 1.285                       | 0.779                      | 0.345                  | 0.148                     | 0.739                    | 0.358                | 0.171           | 0.331           | 0.344            | 0.184         | 1.63          | 1.97          | 1.99          | 1.80          | 1.81          | 1.60          | 1.62          | 1.52          | 0.96          |
|                   | Back              | 1.314                       | 0.788                      | 0.349                  | 0.136                     | 0.708                    | 0.342                | 0.070           | 0.319           | 0.404            | 0.144         | 1.66          | 1.98          | 2.06          | 1.78          | 1.86          | 1.52          | 1.59          | 1.50          | 0.93          |

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 17.6.

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

| NO            | 1                           | 2                          | 3                      | 4                         | 5                        | 6                    | 7               | 8               | 9                | 1+4           | 1+9           | 2+7           | 2+8           | 9+7           | 9+8           | 3+6           | 3+9           |
|---------------|-----------------------------|----------------------------|------------------------|---------------------------|--------------------------|----------------------|-----------------|-----------------|------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Test Position | WLAN2.4GHz Ant 4+6 DBS Only | WLAN2.4GHz Ant 4+6 non DBS | WLAN2.4GHz Ant 4+6 DBS | WLAN5GHz Ant 5+4 DBS Only | WLAN5GHz Ant 5+4 non DBS | WLAN5GHz Ant 5+4 DBS | Bluetooth Ant 4 | Bluetooth Ant 6 | WLAN6GHz Ant 5+4 | Summed        | Summed        | Summed        | Summed        | Summed        | Summed        | Summed        | 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) | 1g SAR (W/kg) |
| Front         | 0.779                       | 0.345                      | 0.148                  | 0.739                     | 0.358                    | 0.171                | 0.331           | 0.344           | 0.184            | 1.52          | 0.96          | 0.68          | 0.69          | 0.52          | 0.53          | 0.32          | 0.33          |
| Back          | 0.788                       | 0.349                      | 0.136                  | 0.708                     | 0.342                    | 0.070                | 0.319           | 0.404           | 0.144            | 1.50          | 0.93          | 0.67          | 0.75          | 0.46          | 0.55          | 0.21          | 0.28          |

Note: Confirm the combination of WLAN/BT antennas, the sum of the SAR of the supported simultaneous transmission scenes is less than Limit, thus avoiding SPLSR.

Sensor off

| WWAN Band | Exposure Position | 1                | 2                     | 3                   | 1+2+3         |
|-----------|-------------------|------------------|-----------------------|---------------------|---------------|
|           |                   | WWAN             | WLAN2.4GHz Ant<br>5+4 | WLAN5GHz Ant<br>5+4 | Summed        |
|           |                   | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg)      | 1g SAR<br>(W/kg)    | 1g SAR (W/kg) |
| All Bands | Front             | 0.725            | 0.396                 | 0.324               | 1.05          |
|           | Back              | 0.713            | 0.376                 | 0.288               | 1.00          |

<Flip Close >

| WWAN Band | Exposure Position | 1                           | 2                          | 3                      | 4                         | 5                        | 6                    | 7               | 8               | 9                | 10            | 1+3           | 1+6+8         | 1+6+9         | 1+10+8        | 1+10+9        | 1+4+7         | 1+4+10        | 2+5           | 2+10          |
|-----------|-------------------|-----------------------------|----------------------------|------------------------|---------------------------|--------------------------|----------------------|-----------------|-----------------|------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| WWAN      | WWAN              | WLAN2.4GHz Ant 4+6 DBS Only | WLAN2.4GHz Ant 4+6 non DBS | WLAN2.4GHz Ant 4+6 DBS | WLAN5GHz Ant 5+4 DBS Only | WLAN5GHz Ant 5+4 non DBS | WLAN5GHz Ant 5+4 DBS | Bluetooth Ant 4 | Bluetooth Ant 6 | WLAN6GHz Ant 5+4 | Summed        | Summed        | Summed        | Summed        | Summed        | Summed        | Summed        | Summed        | Summed        | 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) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) |
| All Bands | Front             | 0.829                       | 0.550                      | 0.266                  | 0.148                     | 0.635                    | 0.334                | 0.334           | 0.259           | 0.242            | 0.162         | 1.10          | 1.42          | 1.41          | 1.25          | 1.23          | 1.31          | 1.14          | 1.19          | 0.71          |
|           | Back              | 0.800                       | 0.188                      | 0.090                  | 0.051                     | 0.276                    | 0.276                | 0.276           | 0.128           | 0.001            | 0.082         | 0.89          | 1.20          | 1.08          | 1.01          | 0.88          | 1.13          | 0.93          | 0.46          | 0.27          |

Sensor off

| WWAN Band | Exposure Position | 1                | 2                              | 3                            | 1+2+3         |
|-----------|-------------------|------------------|--------------------------------|------------------------------|---------------|
|           |                   | WWAN             | WLAN2.4GHz Ant<br>5+4<br>Close | WLAN5GHz Ant<br>5+4<br>Close | Summed        |
|           |                   | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg)               | 1g SAR<br>(W/kg)             | 1g SAR (W/kg) |
| All Bands | Front             | 0.748            | 0.303                          | 0.502                        | 1.55          |
|           | Back              | 0.750            | 0.077                          | 0.149                        | 0.98          |



## 17.5 Product specific 10g SAR Exposure Conditions

**Remark:**

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

<Flip open>

| WWAN Band | Exposure Position | 1                    | 2                                 | 3                                | 4                            | 5                               | 6                              | 7                          | 8                   | 9                    | 1+3+9             | 1+6+9             | 1+8+9             | 1+4+7+9           | 1+4+8+9           | 2+5+9             | 2+8+9             |
|-----------|-------------------|----------------------|-----------------------------------|----------------------------------|------------------------------|---------------------------------|--------------------------------|----------------------------|---------------------|----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|           |                   | WWAN                 | WLAN2.4GHz<br>Ant 4+6<br>DBS Only | WLAN2.4GHz<br>Ant 4+6<br>non DBS | WLAN2.4GHz<br>Ant 4+6<br>DBS | WLAN5GHz<br>Ant 5+4<br>DBS Only | WLAN5GHz<br>Ant 5+4<br>non DBS | WLAN5GHz<br>Ant 5+4<br>DBS | WLAN6GHz<br>Ant 5+4 | NFC                  | Summed            | Summed            | Summed            | Summed            | Summed            | Summed            | Summed            |
|           |                   | 10g<br>SAR<br>(W/kg) | 10g SAR<br>(W/kg)                 | 10g SAR<br>(W/kg)                | 10g SAR<br>(W/kg)            | 10g SAR<br>(W/kg)               | 10g SAR<br>(W/kg)              | 10g SAR<br>(W/kg)          | 10g SAR<br>(W/kg)   | 10g<br>SAR<br>(W/kg) | 10g SAR<br>(W/kg) | 10g SAR<br>(W/kg) | 10g SAR<br>(W/kg) | 10g SAR<br>(W/kg) | 10g SAR<br>(W/kg) | 10g SAR<br>(W/kg) | 10g SAR<br>(W/kg) |
| All Bands | Front             | 2.487                | 1.634                             | 0.857                            | 0.340                        | 1.590                           | 0.910                          | 0.483                      | 0.134               | 0.002                | 3.35              | 3.40              | 2.62              | 3.31              | 2.96              | 3.23              | 1.77              |
|           | Back              | 3.144                | 1.295                             | 0.625                            | 0.279                        | 1.714                           | 0.813                          | 0.483                      | 0.027               | 0.015                | 3.78              | 3.97              | 3.19              | 3.92              | 3.47              | 3.02              | 1.34              |
|           | Left side         | 3.178                |                                   |                                  |                              | 1.343                           | 0.770                          | 0.382                      | 0.030               | 0.001                | 3.18              | 3.95              | 3.21              | 3.56              | 3.21              | 1.34              | 0.03              |
|           | Right side        | 2.487                | 0.682                             | 0.312                            | 0.150                        | 1.778                           | 1.021                          | 0.506                      | 0.183               | 0.001                | 2.80              | 3.51              | 2.67              | 3.14              | 2.82              | 2.46              | 0.87              |
|           | Top side          | 2.490                | 1.715                             | 0.904                            | 0.447                        | 1.125                           | 0.638                          | 0.329                      | 0.175               | 0.002                | 3.40              | 3.13              | 2.67              | 3.27              | 3.11              | 2.84              | 1.89              |
|           | Bottom side       | 3.205                |                                   |                                  |                              |                                 |                                |                            |                     | 0.002                | 3.21              | 3.21              | 3.21              | 3.21              | 3.21              | 0.00              | 0.00              |

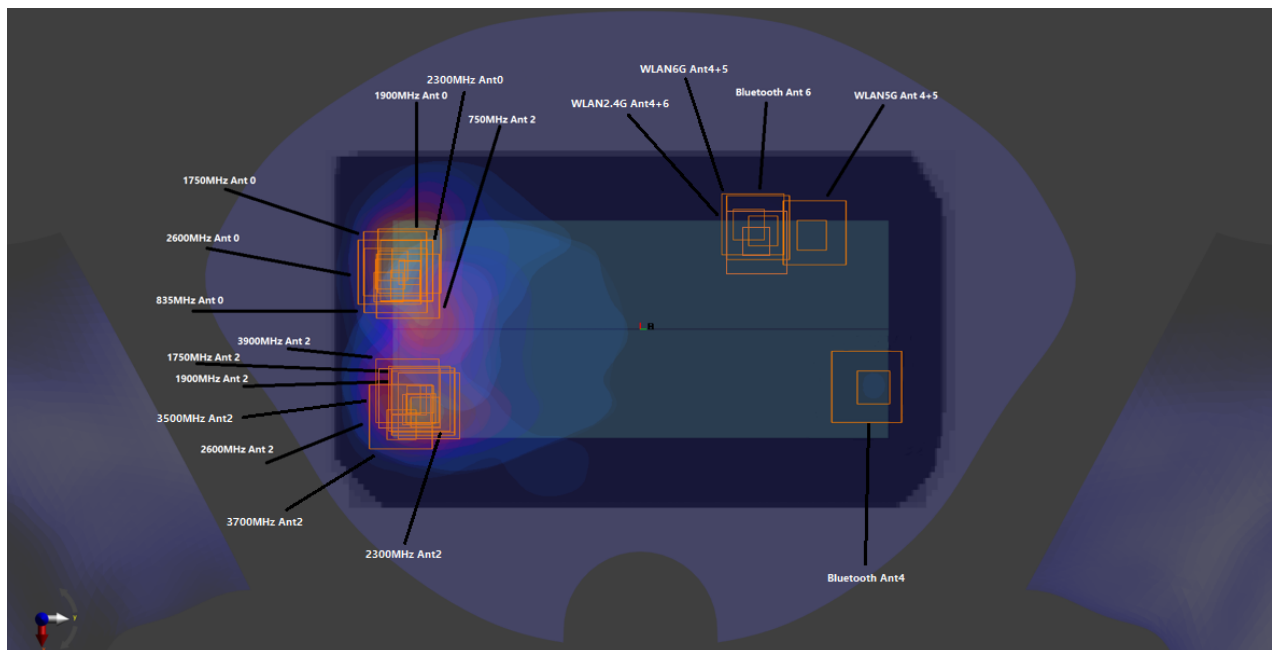
## 17.6 SPLSR Evaluation and Analysis

### General Note:

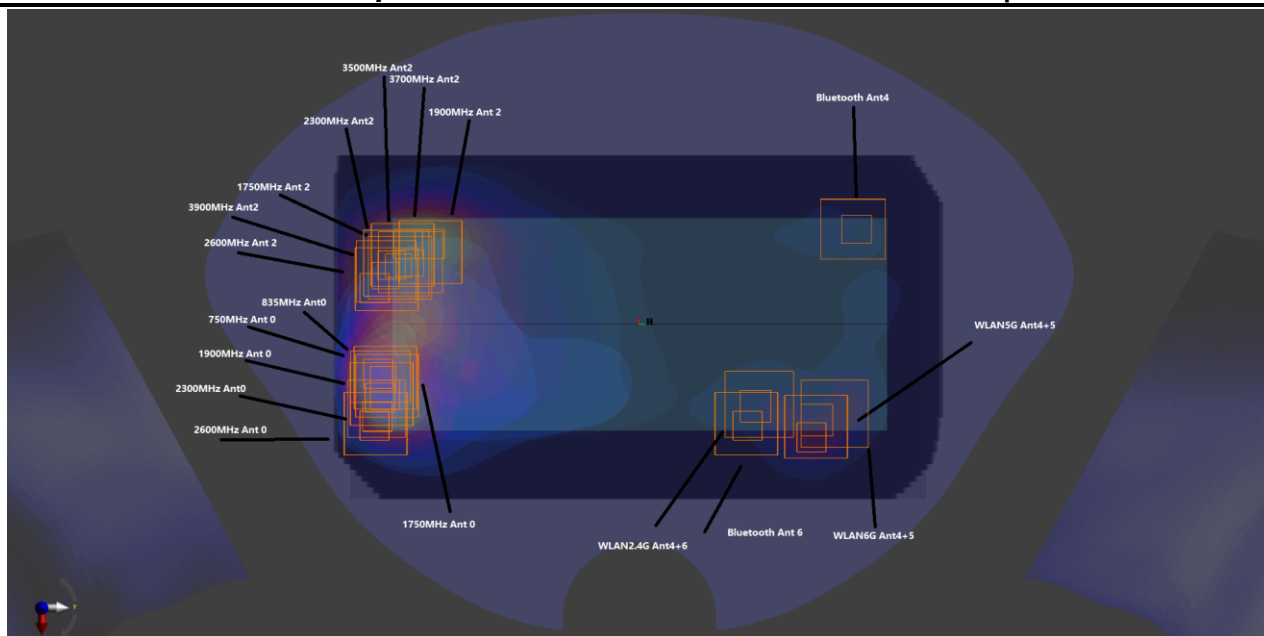
- When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of  $[(x_1-x_2)^2 + (y_1-y_2)^2 + (z_1-z_2)^2]$ , where  $(x_1, y_1, z_1)$  and  $(x_2, y_2, z_2)$  are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
- $SPLSR = (SAR_1 + SAR_2)1.5 / (\text{min. separation distance, mm})$ . If  $SPLSR \leq 0.04$  for 1g SAR, simultaneously transmission SAR measurement is not necessary.
- If SPLSR criteria evaluation and analysis is needed to determine compliance for a certain DSI configuration, SPLSR is performed by taking the highest reported SAR for each of the supported technologies and bands per antenna, along with the peak SAR locations.
  - Obtain the highest reported multi-band SAR out of all supported technologies/bands per antenna per exposure position in section 17, so determine the highest reported multi-band SAR per tech/band/antenna /exposure position of the co-located antenna pair to be conservative.
  - Determine the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative, please refer to section 17.7.
  - 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.
- The following formula is used to calculate the SPLSR between WWAN Band and WLAN/BT for each exposure configuration:

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

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



**WWAN+WLAN+BT\_Back 5mm**



**WWAN+WLAN+BT\_Front 5mm**

## For Hotspot:

| Position | Min 3D distance (mm) | Max Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|----------|----------------------|-----------------------|---------------|------------------|
| Front    | 123.6                | 1.85                  | 0.02          | Not required     |

| Position | Min 3D distance (mm) | Max Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|----------|----------------------|-----------------------|---------------|------------------|
| Back     | 120.1                | 1.96                  | 0.02          | Not required     |

Note:

- Please refer to section 17.3 for the max Summed SAR out of all supported technologies/bands per antenna per exposure position.
- Please refer to section 17.7 for the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair.

## For Body-worn:

| Position | Min 3D distance (mm) | Max Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|----------|----------------------|-----------------------|---------------|------------------|
| Front    | 123.6                | 1.99                  | 0.02          | Not required     |

| Position | Min 3D distance (mm) | Max Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|----------|----------------------|-----------------------|---------------|------------------|
| Back     | 120.1                | 2.06                  | 0.02          | Not required     |

Note:

- Please refer to section 17.4 for the max Summed SAR out of all supported technologies/bands per antenna per exposure position.
- Please refer to section 17.7 for the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair.

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

**General Note:**

- Recorded for each of the supported technology/bands per antenna, in addition to the maximum reported SAR, the SAR hotspot location in a coordinate system aligned along with device dimensions (x-axis along width, y-axis along width and z-axis along length), please refer to below tables.
- Calculate results of the separation distance between the peak SAR locations for each one antenna pair with WWAN band ant0/2 and WLAN/BT ant4/5/6, please refer to below tables.
- Determine the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative.

**Front**

| Band                       | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                       | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|----------------------------|----------|----------|------------------------|-------|--------|------------------|----------------------------|----------|----------|------------------------|-------|--------|------------------|
|                            |          |          | X                      | Y     | Z      |                  |                            |          |          | X                      | Y     | Z      |                  |
| GSM850-Ant0                | Front    | 5mm      | -35                    | -79.3 | -203   | 125.4            | GSM1900-Ant2               | Front    | 5mm      | -55                    | -81.2 | -203.4 | 134.9            |
| WLAN2.4G -Ant4+6(Ant6)     |          | 5mm      | 5                      | 39.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant6)     |          | 5mm      | 5                      | 39.6  | -203   |                  |
| GSM850-Ant0                | Front    | 5mm      | -35                    | -79.3 | -203   | 148.6            | GSM1900-Ant2               | Front    | 5mm      | -55                    | -81.2 | -203.4 | 158.1            |
| WLAN5G -Ant5+4(Ant5)       |          | 5mm      | 15                     | 60.6  | -203   |                  | WLAN5G -Ant5+4(Ant5)       |          | 5mm      | 15                     | 60.6  | -203   |                  |
| GSM850-Ant0                | Front    | 5mm      | -35                    | -79.3 | -203   | 146.1            | GSM1900-Ant2               | Front    | 5mm      | -55                    | -81.2 | -203.4 | 155.0            |
| WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm      | 8.2                    | 60.3  | -204   |                  | WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm      | 8.2                    | 60.3  | -204   |                  |
| GSM850-Ant0                | Front    | 5mm      | -35                    | -79.3 | -203   | 158.3            | GSM1900-Ant2               | Front    | 5mm      | -55                    | -81.2 | -203.4 | 158.9            |
| BT -Ant4                   |          | 5mm      | -55                    | 77.7  | -203   |                  | BT -Ant4                   |          | 5mm      | -55                    | 77.7  | -203   |                  |
| GSM850-Ant0                | Front    | 5mm      | -35                    | -79.3 | -203   | 127.0            | GSM1900-Ant2               | Front    | 5mm      | -55                    | -81.2 | -203.4 | 137.2            |
| BT -Ant6                   |          | 5mm      | 11                     | 39.1  | -203.4 |                  | BT -Ant6                   |          | 5mm      | 11                     | 39.1  | -203.4 |                  |
| GSM850-Ant0                | Front    | 5mm      | -35                    | -79.3 | -203   | 167.9            | GSM1900-Ant2               | Front    | 5mm      | -55                    | -81.2 | -203.4 | 180.4            |
| WLAN2.4G -Ant4+6(Ant4)     |          | 5mm      | 49.8                   | 65.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant4)     |          | 5mm      | 49.8                   | 65.6  | -203   |                  |
| GSM850-Ant0                | Front    | 5mm      | -35                    | -79.3 | -203   | 166.3            | GSM1900-Ant2               | Front    | 5mm      | -55                    | -81.2 | -203.4 | 177.3            |
| WLAN5G Ant5+4(Ant4)        |          | 5mm      | 35                     | 71.6  | -203   |                  | WLAN5G Ant5+4(Ant4)        |          | 5mm      | 35                     | 71.6  | -203   |                  |
| GSM850-Ant0                | Front    | 5mm      | -35                    | -79.3 | -203   | 166.7            | GSM1900-Ant2               | Front    | 5mm      | -55                    | -81.2 | -203.4 | 178.5            |
| WLAN6G Ant5+4(Ant4)        |          | 5mm      | 42.5                   | 68.3  | -203   |                  | WLAN6G Ant5+4(Ant4)        |          | 5mm      | 42.5                   | 68.3  | -203   |                  |
| Band                       | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                       | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|                            |          |          | X                      | Y     | Z      |                  |                            |          |          | X                      | Y     | Z      |                  |
| GSM1900-Ant0               | Front    | 5mm      | -10                    | -95.8 | -203.4 | 136.2            | WCDMA II-Ant2              | Front    | 5mm      | -55                    | -80.8 | -203.4 | 134.5            |
| WLAN2.4G -Ant4+6(Ant6)     |          | 5mm      | 5                      | 39.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant6)     |          | 5mm      | 5                      | 39.6  | -203   |                  |
| GSM1900-Ant0               | Front    | 5mm      | -10                    | -95.8 | -203.4 | 158.4            | WCDMA II-Ant2              | Front    | 5mm      | -55                    | -80.8 | -203.4 | 157.8            |
| WLAN5G -Ant5+4(Ant5)       |          | 5mm      | 15                     | 60.6  | -203   |                  | WLAN5G -Ant5+4(Ant5)       |          | 5mm      | 15                     | 60.6  | -203   |                  |
| GSM1900-Ant0               | Front    | 5mm      | -10                    | -95.8 | -203.4 | 157.2            | WCDMA II-Ant2              | Front    | 5mm      | -55                    | -80.8 | -203.4 | 154.6            |
| WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm      | 8.2                    | 60.3  | -204   |                  | WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm      | 8.2                    | 60.3  | -204   |                  |
| GSM1900-Ant0               | Front    | 5mm      | -10                    | -95.8 | -203.4 | 179.2            | WCDMA II-Ant2              | Front    | 5mm      | -55                    | -80.8 | -203.4 | 158.5            |
| BT -Ant4                   |          | 5mm      | -55                    | 77.7  | -203   |                  | BT -Ant4                   |          | 5mm      | -55                    | 77.7  | -203   |                  |
| GSM1900-Ant0               | Front    | 5mm      | -10                    | -95.8 | -203.4 | 136.5            | WCDMA II-Ant2              | Front    | 5mm      | -55                    | -80.8 | -203.4 | 136.9            |
| BT -Ant6                   |          | 5mm      | 11                     | 39.1  | -203.4 |                  | BT -Ant6                   |          | 5mm      | 11                     | 39.1  | -203.4 |                  |
| GSM1900-Ant0               | Front    | 5mm      | -10                    | -95.8 | -203.4 | 172.1            | WCDMA II-Ant2              | Front    | 5mm      | -55                    | -80.8 | -203.4 | 180.0            |
| WLAN2.4G -Ant4+6(Ant4)     |          | 5mm      | 49.8                   | 65.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant4)     |          | 5mm      | 49.8                   | 65.6  | -203   |                  |
| GSM1900-Ant0               | Front    | 5mm      | -10                    | -95.8 | -203.4 | 173.3            | WCDMA II-Ant2              | Front    | 5mm      | -55                    | -80.8 | -203.4 | 177.0            |
| WLAN5G Ant5+4(Ant4)        |          | 5mm      | 35                     | 71.6  | -203   |                  | WLAN5G Ant5+4(Ant4)        |          | 5mm      | 35                     | 71.6  | -203   |                  |
| GSM1900-Ant0               | Front    | 5mm      | -10                    | -95.8 | -203.4 | 172.3            | WCDMA II-Ant2              | Front    | 5mm      | -55                    | -80.8 | -203.4 | 178.1            |
| WLAN6G Ant5+4(Ant4)        |          | 5mm      | 42.5                   | 68.3  | -203   |                  | WLAN6G Ant5+4(Ant4)        |          | 5mm      | 42.5                   | 68.3  | -203   |                  |
| Band                       | Position | Gap      | SAR peak location (mm) |       |        | 3D distance      | Band                       | Position | Gap      | SAR peak location (mm) |       |        | 3D distance      |
|                            |          |          | X                      | Y     | Z      |                  |                            |          |          | X                      | Y     | Z      |                  |



# FCC SAR Test Report

Report No. : FA340401-01

|                            |          | (mm) | X                      | Y     | Z      | (mm)             |                            | (mm)     | X   | Y                      | Z     | (mm)   |                  |
|----------------------------|----------|------|------------------------|-------|--------|------------------|----------------------------|----------|-----|------------------------|-------|--------|------------------|
| WCDMA II-Ant0              | Front    | 5mm  | -10                    | -95.3 | -203.4 | 135.7            | WCDMA IV-Ant2              | Front    | 5mm | -55                    | -80.9 | -203.4 | 134.6            |
| WLAN2.4G -Ant4+6(Ant6)     |          | 5mm  | 5                      | 39.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant6)     |          | 5mm | 5                      | 39.6  | -203   |                  |
| WCDMA II-Ant0              | Front    | 5mm  | -10                    | -95.3 | -203.4 | 157.9            | WCDMA IV-Ant2              | Front    | 5mm | -55                    | -80.9 | -203.4 | 157.9            |
| WLAN5G -Ant5+4(Ant5)       |          | 5mm  | 15                     | 60.6  | -203   |                  | WLAN5G -Ant5+4(Ant5)       |          | 5mm | 15                     | 60.6  | -203   |                  |
| WCDMA II-Ant0              | Front    | 5mm  | -10                    | -95.3 | -203.4 | 156.7            | WCDMA IV-Ant2              | Front    | 5mm | -55                    | -80.9 | -203.4 | 154.7            |
| WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm  | 8.2                    | 60.3  | -204   |                  | WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm | 8.2                    | 60.3  | -204   |                  |
| WCDMA II-Ant0              | Front    | 5mm  | -10                    | -95.3 | -203.4 | 178.8            | WCDMA IV-Ant2              | Front    | 5mm | -55                    | -80.9 | -203.4 | 158.6            |
| BT -Ant4                   |          | 5mm  | -55                    | 77.7  | -203   |                  | BT -Ant4                   |          | 5mm | -55                    | 77.7  | -203   |                  |
| WCDMA II-Ant0              | Front    | 5mm  | -10                    | -95.3 | -203.4 | 136.0            | WCDMA IV-Ant2              | Front    | 5mm | -55                    | -80.9 | -203.4 | 137.0            |
| BT -Ant6                   |          | 5mm  | 11                     | 39.1  | -203.4 |                  | BT -Ant6                   |          | 5mm | 11                     | 39.1  | -203.4 |                  |
| WCDMA II-Ant0              | Front    | 5mm  | -10                    | -95.3 | -203.4 | 171.7            | WCDMA IV-Ant2              | Front    | 5mm | -55                    | -80.9 | -203.4 | 180.1            |
| WLAN2.4G -Ant4+6(Ant4)     |          | 5mm  | 49.8                   | 65.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant4)     |          | 5mm | 49.8                   | 65.6  | -203   |                  |
| WCDMA II-Ant0              | Front    | 5mm  | -10                    | -95.3 | -203.4 | 172.9            | WCDMA IV-Ant2              | Front    | 5mm | -55                    | -80.9 | -203.4 | 177.1            |
| WLAN5G Ant5+4(Ant4)        |          | 5mm  | 35                     | 71.6  | -203   |                  | WLAN5G Ant5+4(Ant4)        |          | 5mm | 35                     | 71.6  | -203   |                  |
| WCDMA II-Ant0              | Front    | 5mm  | -10                    | -95.3 | -203.4 | 171.8            | WCDMA IV-Ant2              | Front    | 5mm | -55                    | -80.9 | -203.4 | 178.2            |
| WLAN6G Ant5+4(Ant4)        |          | 5mm  | 42.5                   | 68.3  | -203   |                  | WLAN6G Ant5+4(Ant4)        |          | 5mm | 42.5                   | 68.3  | -203   |                  |
| Band                       | Position | Gap  | SAR peak location (mm) |       |        | 3D distance (mm) | Band                       | Position | Gap | SAR peak location (mm) |       |        | 3D distance (mm) |
|                            |          | (mm) | X                      | Y     | Z      |                  |                            | (mm)     | X   | Y                      | Z     |        |                  |
| WCDMA IV-Ant0              | Front    | 5mm  | -10                    | -87.9 | -203.5 | 128.4            | LTE Band 7-Ant2            | Front    | 5mm | -49                    | -82.6 | -203.5 | 133.6            |
| WLAN2.4G -Ant4+6(Ant6)     |          | 5mm  | 5                      | 39.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant6)     |          | 5mm | 5                      | 39.6  | -203   |                  |
| WCDMA IV-Ant0              | Front    | 5mm  | -10                    | -87.9 | -203.5 | 150.6            | LTE Band 7-Ant2            | Front    | 5mm | -49                    | -82.6 | -203.5 | 156.9            |
| WLAN5G -Ant5+4(Ant5)       |          | 5mm  | 15                     | 60.6  | -203   |                  | WLAN5G -Ant5+4(Ant5)       |          | 5mm | 15                     | 60.6  | -203   |                  |
| WCDMA IV-Ant0              | Front    | 5mm  | -10                    | -87.9 | -203.5 | 149.3            | LTE Band 7-Ant2            | Front    | 5mm | -49                    | -82.6 | -203.5 | 153.9            |
| WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm  | 8.2                    | 60.3  | -204   |                  | WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm | 8.2                    | 60.3  | -204   |                  |
| WCDMA IV-Ant0              | Front    | 5mm  | -10                    | -87.9 | -203.5 | 171.6            | LTE Band 7-Ant2            | Front    | 5mm | -49                    | -82.6 | -203.5 | 160.4            |
| BT -Ant4                   |          | 5mm  | -55                    | 77.7  | -203   |                  | BT -Ant4                   |          | 5mm | -55                    | 77.7  | -203   |                  |
| WCDMA IV-Ant0              | Front    | 5mm  | -10                    | -87.9 | -203.5 | 128.7            | LTE Band 7-Ant2            | Front    | 5mm | -49                    | -82.6 | -203.5 | 135.7            |
| BT -Ant6                   |          | 5mm  | 11                     | 39.1  | -203.4 |                  | BT -Ant6                   |          | 5mm | 11                     | 39.1  | -203.4 |                  |
| WCDMA IV-Ant0              | Front    | 5mm  | -10                    | -87.9 | -203.5 | 164.7            | LTE Band 7-Ant2            | Front    | 5mm | -49                    | -82.6 | -203.5 | 178.1            |
| WLAN2.4G -Ant4+6(Ant4)     |          | 5mm  | 49.8                   | 65.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant4)     |          | 5mm | 49.8                   | 65.6  | -203   |                  |
| WCDMA IV-Ant0              | Front    | 5mm  | -10                    | -87.9 | -203.5 | 165.7            | LTE Band 7-Ant2            | Front    | 5mm | -49                    | -82.6 | -203.5 | 175.6            |
| WLAN5G Ant5+4(Ant4)        |          | 5mm  | 35                     | 71.6  | -203   |                  | WLAN5G Ant5+4(Ant4)        |          | 5mm | 35                     | 71.6  | -203   |                  |
| WCDMA IV-Ant0              | Front    | 5mm  | -10                    | -87.9 | -203.5 | 164.8            | LTE Band 7-Ant2            | Front    | 5mm | -49                    | -82.6 | -203.5 | 176.5            |
| WLAN6G Ant5+4(Ant4)        |          | 5mm  | 42.5                   | 68.3  | -203   |                  | WLAN6G Ant5+4(Ant4)        |          | 5mm | 42.5                   | 68.3  | -203   |                  |
| Band                       | Position | Gap  | SAR peak location (mm) |       |        | 3D distance (mm) | Band                       | Position | Gap | SAR peak location (mm) |       |        | 3D distance (mm) |
|                            |          | (mm) | X                      | Y     | Z      |                  |                            | (mm)     | X   | Y                      | Z     |        |                  |
| WCDMA V-Ant0               | Front    | 5mm  | -7                     | -89.4 | -203.4 | 129.6            | LTE Band 25-Ant2           | Front    | 5mm | -55                    | -69.7 | -203.5 | 124.7            |
| WLAN2.4G -Ant4+6(Ant6)     |          | 5mm  | 5                      | 39.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant6)     |          | 5mm | 5                      | 39.6  | -203   |                  |
| WCDMA V-Ant0               | Front    | 5mm  | -7                     | -89.4 | -203.4 | 151.6            | LTE Band 25-Ant2           | Front    | 5mm | -55                    | -69.7 | -203.5 | 147.9            |
| WLAN5G -Ant5+4(Ant5)       |          | 5mm  | 15                     | 60.6  | -203   |                  | WLAN5G -Ant5+4(Ant5)       |          | 5mm | 15                     | 60.6  | -203   |                  |
| WCDMA V-Ant0               | Front    | 5mm  | -7                     | -89.4 | -203.4 | 150.5            | LTE Band 25-Ant2           | Front    | 5mm | -55                    | -69.7 | -203.5 | 144.5            |
| WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm  | 8.2                    | 60.3  | -204   |                  | WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm | 8.2                    | 60.3  | -204   |                  |
| WCDMA V-Ant0               | Front    | 5mm  | -7                     | -89.4 | -203.4 | 173.9            | LTE Band 25-Ant2           | Front    | 5mm | -55                    | -69.7 | -203.5 | 147.4            |
| BT -Ant4                   |          | 5mm  | -55                    | 77.7  | -203   |                  | BT -Ant4                   |          | 5mm | -55                    | 77.7  | -203   |                  |
| WCDMA V-Ant0               | Front    | 5mm  | -7                     | -89.4 | -203.4 | 129.8            | LTE Band 25-Ant2           | Front    | 5mm | -55                    | -69.7 | -203.5 | 127.3            |
| BT -Ant6                   |          | 5mm  | 11                     | 39.1  | -203.4 |                  | BT -Ant6                   |          | 5mm | 11                     | 39.1  | -203.4 |                  |
| WCDMA V-Ant0               | Front    | 5mm  | -7                     | -89.4 | -203.4 | 165.1            | LTE Band 25-Ant2           | Front    | 5mm | -55                    | -69.7 | -203.5 | 171.1            |



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| WLAN2.4G -Ant4+6(Ant4)     |          | 5mm      | 49.8                   | 65.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant4)     |          | 5mm      | 49.8                   | 65.6  | -203   |                  |
|----------------------------|----------|----------|------------------------|-------|--------|------------------|----------------------------|----------|----------|------------------------|-------|--------|------------------|
| WCDMA V-Ant0               | Front    | 5mm      | -7                     | -89.4 | -203.4 | 166.4            | LTE Band 25-Ant2           | Front    | 5mm      | -55                    | -69.7 | -203.5 | 167.5            |
| WLAN5G Ant5+4(Ant4)        | Front    | 5mm      | 35                     | 71.6  | -203   |                  | WLAN5G Ant5+4(Ant4)        | Front    | 5mm      | 35                     | 71.6  | -203   |                  |
| WCDMA V-Ant0               | Front    | 5mm      | -7                     | -89.4 | -203.4 | 165.3            | LTE Band 25-Ant2           | Front    | 5mm      | -55                    | -69.7 | -203.5 | 169.0            |
| WLAN6G Ant5+4(Ant4)        | Front    | 5mm      | 42.5                   | 68.3  | -203   |                  | WLAN6G Ant5+4(Ant4)        | Front    | 5mm      | 42.5                   | 68.3  | -203   |                  |
| Band                       | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                       | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|                            |          |          | X                      | Y     | Z      |                  |                            |          |          | X                      | Y     | Z      |                  |
| LTE Band 7-Ant0            | Front    | 5mm      | -1                     | -90.3 | -203.4 | 130.0            | LTE Band 30-Ant2           | Front    | 5mm      | -60                    | -68.5 | -203.5 | 126.1            |
| WLAN2.4G -Ant4+6(Ant6)     | Front    | 5mm      | 5                      | 39.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant6)     | Front    | 5mm      | 5                      | 39.6  | -203   |                  |
| LTE Band 7-Ant0            | Front    | 5mm      | -1                     | -90.3 | -203.4 | 151.7            | LTE Band 30-Ant2           | Front    | 5mm      | -60                    | -68.5 | -203.5 | 149.3            |
| WLAN5G -Ant5+4(Ant5)       | Front    | 5mm      | 15                     | 60.6  | -203   |                  | WLAN5G -Ant5+4(Ant5)       | Front    | 5mm      | 15                     | 60.6  | -203   |                  |
| LTE Band 7-Ant0            | Front    | 5mm      | -1                     | -90.3 | -203.4 | 150.9            | LTE Band 30-Ant2           | Front    | 5mm      | -60                    | -68.5 | -203.5 | 145.7            |
| WLAN6G -Ant5+4(Ant5)(Ant5) | Front    | 5mm      | 8.2                    | 60.3  | -204   |                  | WLAN6G -Ant5+4(Ant5)(Ant5) | Front    | 5mm      | 8.2                    | 60.3  | -204   |                  |
| LTE Band 7-Ant0            | Front    | 5mm      | -1                     | -90.3 | -203.4 | 176.5            | LTE Band 30-Ant2           | Front    | 5mm      | -60                    | -68.5 | -203.5 | 146.3            |
| BT -Ant4                   | Front    | 5mm      | -55                    | 77.7  | -203   |                  | BT -Ant4                   | Front    | 5mm      | -55                    | 77.7  | -203   |                  |
| LTE Band 7-Ant0            | Front    | 5mm      | -1                     | -90.3 | -203.4 | 130.0            | LTE Band 30-Ant2           | Front    | 5mm      | -60                    | -68.5 | -203.5 | 128.9            |
| BT -Ant6                   | Front    | 5mm      | 11                     | 39.1  | -203.4 |                  | BT -Ant6                   | Front    | 5mm      | 11                     | 39.1  | -203.4 |                  |
| LTE Band 7-Ant0            | Front    | 5mm      | -1                     | -90.3 | -203.4 | 164.0            | LTE Band 30-Ant2           | Front    | 5mm      | -60                    | -68.5 | -203.5 | 173.3            |
| WLAN2.4G -Ant4+6(Ant4)     | Front    | 5mm      | 49.8                   | 65.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant4)     | Front    | 5mm      | 49.8                   | 65.6  | -203   |                  |
| LTE Band 7-Ant0            | Front    | 5mm      | -1                     | -90.3 | -203.4 | 165.9            | LTE Band 30-Ant2           | Front    | 5mm      | -60                    | -68.5 | -203.5 | 169.3            |
| WLAN5G Ant5+4(Ant4)        | Front    | 5mm      | 35                     | 71.6  | -203   |                  | WLAN5G Ant5+4(Ant4)        | Front    | 5mm      | 35                     | 71.6  | -203   |                  |
| LTE Band 7-Ant0            | Front    | 5mm      | -1                     | -90.3 | -203.4 | 164.5            | LTE Band 30-Ant2           | Front    | 5mm      | -60                    | -68.5 | -203.5 | 170.9            |
| WLAN6G Ant5+4(Ant4)        | Front    | 5mm      | 42.5                   | 68.3  | -203   |                  | WLAN6G Ant5+4(Ant4)        | Front    | 5mm      | 42.5                   | 68.3  | -203   |                  |
| Band                       | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                       | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|                            |          |          | X                      | Y     | Z      |                  |                            |          |          | X                      | Y     | Z      |                  |
| LTE Band 12-Ant0           | Front    | 5mm      | -10                    | -89.5 | -203.4 | 130.0            | LTE Band 66-Ant2           | Front    | 5mm      | -55                    | -76   | -203.4 | 130.2            |
| WLAN2.4G -Ant4+6(Ant6)     | Front    | 5mm      | 5                      | 39.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant6)     | Front    | 5mm      | 5                      | 39.6  | -203   |                  |
| LTE Band 12-Ant0           | Front    | 5mm      | -10                    | -89.5 | -203.4 | 152.2            | LTE Band 66-Ant2           | Front    | 5mm      | -55                    | -76   | -203.4 | 153.5            |
| WLAN5G -Ant5+4(Ant5)       | Front    | 5mm      | 15                     | 60.6  | -203   |                  | WLAN5G -Ant5+4(Ant5)       | Front    | 5mm      | 15                     | 60.6  | -203   |                  |
| LTE Band 12-Ant0           | Front    | 5mm      | -10                    | -89.5 | -203.4 | 150.9            | LTE Band 66-Ant2           | Front    | 5mm      | -55                    | -76   | -203.4 | 150.2            |
| WLAN6G -Ant5+4(Ant5)(Ant5) | Front    | 5mm      | 8.2                    | 60.3  | -204   |                  | WLAN6G -Ant5+4(Ant5)(Ant5) | Front    | 5mm      | 8.2                    | 60.3  | -204   |                  |
| LTE Band 12-Ant0           | Front    | 5mm      | -10                    | -89.5 | -203.4 | 173.2            | LTE Band 66-Ant2           | Front    | 5mm      | -55                    | -76   | -203.4 | 153.7            |
| BT -Ant4                   | Front    | 5mm      | -55                    | 77.7  | -203   |                  | BT -Ant4                   | Front    | 5mm      | -55                    | 77.7  | -203   |                  |
| LTE Band 12-Ant0           | Front    | 5mm      | -10                    | -89.5 | -203.4 | 130.3            | LTE Band 66-Ant2           | Front    | 5mm      | -55                    | -76   | -203.4 | 132.7            |
| BT -Ant6                   | Front    | 5mm      | 11                     | 39.1  | -203.4 |                  | BT -Ant6                   | Front    | 5mm      | 11                     | 39.1  | -203.4 |                  |
| LTE Band 12-Ant0           | Front    | 5mm      | -10                    | -89.5 | -203.4 | 166.2            | LTE Band 66-Ant2           | Front    | 5mm      | -55                    | -76   | -203.4 | 176.2            |
| WLAN2.4G -Ant4+6(Ant4)     | Front    | 5mm      | 49.8                   | 65.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant4)     | Front    | 5mm      | 49.8                   | 65.6  | -203   |                  |
| LTE Band 12-Ant0           | Front    | 5mm      | -10                    | -89.5 | -203.4 | 167.3            | LTE Band 66-Ant2           | Front    | 5mm      | -55                    | -76   | -203.4 | 172.9            |
| WLAN5G Ant5+4(Ant4)        | Front    | 5mm      | 35                     | 71.6  | -203   |                  | WLAN5G Ant5+4(Ant4)        | Front    | 5mm      | 35                     | 71.6  | -203   |                  |
| LTE Band 12-Ant0           | Front    | 5mm      | -10                    | -89.5 | -203.4 | 166.3            | LTE Band 66-Ant2           | Front    | 5mm      | -55                    | -76   | -203.4 | 174.2            |
| WLAN6G Ant5+4(Ant4)        | Front    | 5mm      | 42.5                   | 68.3  | -203   |                  | WLAN6G Ant5+4(Ant4)        | Front    | 5mm      | 42.5                   | 68.3  | -203   |                  |
| Band                       | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                       | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|                            |          |          | X                      | Y     | Z      |                  |                            |          |          | X                      | Y     | Z      |                  |
| LTE Band 13-Ant0           | Front    | 5mm      | -10                    | -89.9 | -203.4 | 130.4            | LTE Band 41-Ant2           | Front    | 5mm      | -40                    | -85   | -203.4 | 132.5            |
| WLAN2.4G -Ant4+6(Ant6)     | Front    | 5mm      | 5                      | 39.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant6)     | Front    | 5mm      | 5                      | 39.6  | -203   |                  |
| LTE Band 13-Ant0           | Front    | 5mm      | -10                    | -89.9 | -203.4 | 152.6            | LTE Band 41-Ant2           | Front    | 5mm      | -40                    | -85   | -203.4 | 155.6            |
| WLAN5G -Ant5+4(Ant5)       | Front    | 5mm      | 15                     | 60.6  | -203   |                  | WLAN5G -Ant5+4(Ant5)       | Front    | 5mm      | 15                     | 60.6  | -203   |                  |
| LTE Band 13-Ant0           | Front    | 5mm      | -10                    | -89.9 | -203.4 | 151.3            | LTE Band 41-Ant2           | Front    | 5mm      | -40                    | -85   | -203.4 | 153.1            |



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| WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm  | 8.2                    | 60.3  | -204   |                  | WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm  | 8.2                    | 60.3  | -204   |                  |
|----------------------------|----------|------|------------------------|-------|--------|------------------|----------------------------|----------|------|------------------------|-------|--------|------------------|
| LTE Band 13-Ant0           | Front    | 5mm  | -10                    | -89.9 | -203.4 | 173.5            | LTE Band 41-Ant2           | Front    | 5mm  | -40                    | -85   | -203.4 | 163.4            |
| BT -Ant4                   | Front    | 5mm  | -55                    | 77.7  | -203   |                  | BT -Ant4                   | Front    | 5mm  | -55                    | 77.7  | -203   |                  |
| LTE Band 13-Ant0           | Front    | 5mm  | -10                    | -89.9 | -203.4 | 130.7            | LTE Band 41-Ant2           | Front    | 5mm  | -40                    | -85   | -203.4 | 134.2            |
| BT -Ant6                   | Front    | 5mm  | 11                     | 39.1  | -203.4 |                  | BT -Ant6                   | Front    | 5mm  | 11                     | 39.1  | -203.4 |                  |
| LTE Band 13-Ant0           | Front    | 5mm  | -10                    | -89.9 | -203.4 | 166.6            | LTE Band 41-Ant2           | Front    | 5mm  | -40                    | -85   | -203.4 | 175.3            |
| WLAN2.4G -Ant4+6(Ant4)     | Front    | 5mm  | 49.8                   | 65.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant4)     | Front    | 5mm  | 49.8                   | 65.6  | -203   |                  |
| LTE Band 13-Ant0           | Front    | 5mm  | -10                    | -89.9 | -203.4 | 167.7            | LTE Band 41-Ant2           | Front    | 5mm  | -40                    | -85   | -203.4 | 173.6            |
| WLAN5G Ant5+4(Ant4)        | Front    | 5mm  | 35                     | 71.6  | -203   |                  | WLAN5G Ant5+4(Ant4)        | Front    | 5mm  | 35                     | 71.6  | -203   |                  |
| LTE Band 13-Ant0           | Front    | 5mm  | -10                    | -89.9 | -203.4 | 166.7            | LTE Band 41-Ant2           | Front    | 5mm  | -40                    | -85   | -203.4 | 174.1            |
| WLAN6G Ant5+4(Ant4)        | Front    | 5mm  | 42.5                   | 68.3  | -203   |                  | WLAN6G Ant5+4(Ant4)        | Front    | 5mm  | 42.5                   | 68.3  | -203   |                  |
| Band                       | Position | Gap  | SAR peak location (mm) |       |        | 3D distance (mm) | Band                       | Position | Gap  | SAR peak location (mm) |       |        | 3D distance (mm) |
|                            |          | (mm) | X                      | Y     | Z      |                  |                            |          | (mm) | X                      | Y     | Z      |                  |
| LTE Band 14-Ant0           | Front    | 5mm  | -10                    | -89.7 | -203.4 | 130.2            | LTE Band 48-Ant2           | Front    | 5mm  | -40                    | -86.2 | -203.4 | 133.6            |
| WLAN2.4G -Ant4+6(Ant6)     | Front    | 5mm  | 5                      | 39.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant6)     | Front    | 5mm  | 5                      | 39.6  | -203   |                  |
| LTE Band 14-Ant0           | Front    | 5mm  | -10                    | -89.7 | -203.4 | 152.4            | LTE Band 48-Ant2           | Front    | 5mm  | -40                    | -86.2 | -203.4 | 156.8            |
| WLAN5G -Ant5+4(Ant5)       | Front    | 5mm  | 15                     | 60.6  | -203   |                  | WLAN5G -Ant5+4(Ant5)       | Front    | 5mm  | 15                     | 60.6  | -203   |                  |
| LTE Band 14-Ant0           | Front    | 5mm  | -10                    | -89.7 | -203.4 | 151.1            | LTE Band 48-Ant2           | Front    | 5mm  | -40                    | -86.2 | -203.4 | 154.2            |
| WLAN6G -Ant5+4(Ant5)(Ant5) | Front    | 5mm  | 8.2                    | 60.3  | -204   |                  | WLAN6G -Ant5+4(Ant5)(Ant5) | Front    | 5mm  | 8.2                    | 60.3  | -204   |                  |
| LTE Band 14-Ant0           | Front    | 5mm  | -10                    | -89.7 | -203.4 | 173.3            | LTE Band 48-Ant2           | Front    | 5mm  | -40                    | -86.2 | -203.4 | 164.6            |
| BT -Ant4                   | Front    | 5mm  | -55                    | 77.7  | -203   |                  | BT -Ant4                   | Front    | 5mm  | -55                    | 77.7  | -203   |                  |
| LTE Band 14-Ant0           | Front    | 5mm  | -10                    | -89.7 | -203.4 | 130.5            | LTE Band 48-Ant2           | Front    | 5mm  | -40                    | -86.2 | -203.4 | 135.3            |
| BT -Ant6                   | Front    | 5mm  | 11                     | 39.1  | -203.4 |                  | BT -Ant6                   | Front    | 5mm  | 11                     | 39.1  | -203.4 |                  |
| LTE Band 14-Ant0           | Front    | 5mm  | -10                    | -89.7 | -203.4 | 166.4            | LTE Band 48-Ant2           | Front    | 5mm  | -40                    | -86.2 | -203.4 | 176.4            |
| WLAN2.4G -Ant4+6(Ant4)     | Front    | 5mm  | 49.8                   | 65.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant4)     | Front    | 5mm  | 49.8                   | 65.6  | -203   |                  |
| LTE Band 14-Ant0           | Front    | 5mm  | -10                    | -89.7 | -203.4 | 167.5            | LTE Band 48-Ant2           | Front    | 5mm  | -40                    | -86.2 | -203.4 | 174.7            |
| WLAN5G Ant5+4(Ant4)        | Front    | 5mm  | 35                     | 71.6  | -203   |                  | WLAN5G Ant5+4(Ant4)        | Front    | 5mm  | 35                     | 71.6  | -203   |                  |
| LTE Band 14-Ant0           | Front    | 5mm  | -10                    | -89.7 | -203.4 | 166.5            | LTE Band 48-Ant2           | Front    | 5mm  | -40                    | -86.2 | -203.4 | 175.1            |
| WLAN6G Ant5+4(Ant4)        | Front    | 5mm  | 42.5                   | 68.3  | -203   |                  | WLAN6G Ant5+4(Ant4)        | Front    | 5mm  | 42.5                   | 68.3  | -203   |                  |
| Band                       | Position | Gap  | SAR peak location (mm) |       |        | 3D distance (mm) | Band                       | Position | Gap  | SAR peak location (mm) |       |        | 3D distance (mm) |
|                            |          | (mm) | X                      | Y     | Z      |                  |                            |          | (mm) | X                      | Y     | Z      |                  |
| LTE Band 25-Ant0           | Front    | 5mm  | 5                      | -87.2 | -203.5 | 126.8            | n2-Ant2                    | Front    | 5mm  | -51                    | -71.5 | -203.5 | 124.4            |
| WLAN2.4G -Ant4+6(Ant6)     | Front    | 5mm  | 5                      | 39.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant6)     | Front    | 5mm  | 5                      | 39.6  | -203   |                  |
| LTE Band 25-Ant0           | Front    | 5mm  | 5                      | -87.2 | -203.5 | 148.1            | n2-Ant2                    | Front    | 5mm  | -51                    | -71.5 | -203.5 | 147.7            |
| WLAN5G -Ant5+4(Ant5)       | Front    | 5mm  | 15                     | 60.6  | -203   |                  | WLAN5G -Ant5+4(Ant5)       | Front    | 5mm  | 15                     | 60.6  | -203   |                  |
| LTE Band 25-Ant0           | Front    | 5mm  | 5                      | -87.2 | -203.5 | 147.5            | n2-Ant2                    | Front    | 5mm  | -51                    | -71.5 | -203.5 | 144.5            |
| WLAN6G -Ant5+4(Ant5)(Ant5) | Front    | 5mm  | 8.2                    | 60.3  | -204   |                  | WLAN6G -Ant5+4(Ant5)(Ant5) | Front    | 5mm  | 8.2                    | 60.3  | -204   |                  |
| LTE Band 25-Ant0           | Front    | 5mm  | 5                      | -87.2 | -203.5 | 175.5            | n2-Ant2                    | Front    | 5mm  | -51                    | -71.5 | -203.5 | 149.3            |
| BT -Ant4                   | Front    | 5mm  | -55                    | 77.7  | -203   |                  | BT -Ant4                   | Front    | 5mm  | -55                    | 77.7  | -203   |                  |
| LTE Band 25-Ant0           | Front    | 5mm  | 5                      | -87.2 | -203.5 | 126.4            | n2-Ant2                    | Front    | 5mm  | -51                    | -71.5 | -203.5 | 126.8            |
| BT -Ant6                   | Front    | 5mm  | 11                     | 39.1  | -203.4 |                  | BT -Ant6                   | Front    | 5mm  | 11                     | 39.1  | -203.4 |                  |
| LTE Band 25-Ant0           | Front    | 5mm  | 5                      | -87.2 | -203.5 | 159.2            | n2-Ant2                    | Front    | 5mm  | -51                    | -71.5 | -203.5 | 170.2            |
| WLAN2.4G -Ant4+6(Ant4)     | Front    | 5mm  | 49.8                   | 65.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant4)     | Front    | 5mm  | 49.8                   | 65.6  | -203   |                  |
| LTE Band 25-Ant0           | Front    | 5mm  | 5                      | -87.2 | -203.5 | 161.6            | n2-Ant2                    | Front    | 5mm  | -51                    | -71.5 | -203.5 | 167.0            |
| WLAN5G Ant5+4(Ant4)        | Front    | 5mm  | 35                     | 71.6  | -203   |                  | WLAN5G Ant5+4(Ant4)        | Front    | 5mm  | 35                     | 71.6  | -203   |                  |
| LTE Band 25-Ant0           | Front    | 5mm  | 5                      | -87.2 | -203.5 | 160.0            | n2-Ant2                    | Front    | 5mm  | -51                    | -71.5 | -203.5 | 168.2            |
| WLAN6G Ant5+4(Ant4)        | Front    | 5mm  | 42.5                   | 68.3  | -203   |                  | WLAN6G Ant5+4(Ant4)        | Front    | 5mm  | 42.5                   | 68.3  | -203   |                  |
| Band                       | Position | Gap  | SAR peak location (mm) |       |        | 3D distance      | Band                       | Position | Gap  | SAR peak location (mm) |       |        | 3D distance      |
|                            |          |      |                        |       |        |                  |                            |          |      |                        |       |        |                  |



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|                            |          | (mm)     | X                      | Y     | Z      | (mm)             |                            | (mm)     | X        | Y                      | Z     | (mm)   |                  |
|----------------------------|----------|----------|------------------------|-------|--------|------------------|----------------------------|----------|----------|------------------------|-------|--------|------------------|
| LTE Band 26-Ant0           | Front    | 5mm      | -7                     | -87.4 | -203.4 | 127.6            | n7-Ant2                    | Front    | 5mm      | -37                    | -91.5 | -203.4 | 137.7            |
| WLAN2.4G -Ant4+6(Ant6)     |          | 5mm      | 5                      | 39.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant6)     |          | 5mm      | 5                      | 39.6  | -203   |                  |
| LTE Band 26-Ant0           | Front    | 5mm      | -7                     | -87.4 | -203.4 | 149.6            | n7-Ant2                    | Front    | 5mm      | -37                    | -91.5 | -203.4 | 160.7            |
| WLAN5G -Ant5+4(Ant5)       |          | 5mm      | 15                     | 60.6  | -203   |                  | WLAN5G -Ant5+4(Ant5)       |          | 5mm      | 15                     | 60.6  | -203   |                  |
| LTE Band 26-Ant0           | Front    | 5mm      | -7                     | -87.4 | -203.4 | 148.5            | n7-Ant2                    | Front    | 5mm      | -37                    | -91.5 | -203.4 | 158.4            |
| WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm      | 8.2                    | 60.3  | -204   |                  | WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm      | 8.2                    | 60.3  | -204   |                  |
| LTE Band 26-Ant0           | Front    | 5mm      | -7                     | -87.4 | -203.4 | 171.9            | n7-Ant2                    | Front    | 5mm      | -37                    | -91.5 | -203.4 | 170.2            |
| BT -Ant4                   |          | 5mm      | -55                    | 77.7  | -203   |                  | BT -Ant4                   |          | 5mm      | -55                    | 77.7  | -203   |                  |
| LTE Band 26-Ant0           | Front    | 5mm      | -7                     | -87.4 | -203.4 | 127.8            | n7-Ant2                    | Front    | 5mm      | -37                    | -91.5 | -203.4 | 139.1            |
| BT -Ant6                   |          | 5mm      | 11                     | 39.1  | -203.4 |                  | BT -Ant6                   |          | 5mm      | 11                     | 39.1  | -203.4 |                  |
| LTE Band 26-Ant0           | Front    | 5mm      | -7                     | -87.4 | -203.4 | 163.2            | n7-Ant2                    | Front    | 5mm      | -37                    | -91.5 | -203.4 | 179.5            |
| WLAN2.4G -Ant4+6(Ant4)     |          | 5mm      | 49.8                   | 65.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant4)     |          | 5mm      | 49.8                   | 65.6  | -203   |                  |
| LTE Band 26-Ant0           | Front    | 5mm      | -7                     | -87.4 | -203.4 | 164.5            | n7-Ant2                    | Front    | 5mm      | -37                    | -91.5 | -203.4 | 178.3            |
| WLAN5G Ant5+4(Ant4)        |          | 5mm      | 35                     | 71.6  | -203   |                  | WLAN5G Ant5+4(Ant4)        |          | 5mm      | 35                     | 71.6  | -203   |                  |
| LTE Band 26-Ant0           | Front    | 5mm      | -7                     | -87.4 | -203.4 | 163.4            | n7-Ant2                    | Front    | 5mm      | -37                    | -91.5 | -203.4 | 178.5            |
| WLAN6G Ant5+4(Ant4)        |          | 5mm      | 42.5                   | 68.3  | -203   |                  | WLAN6G Ant5+4(Ant4)        |          | 5mm      | 42.5                   | 68.3  | -203   |                  |
| Band                       | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                       | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
| LTE Band 30-Ant0           | Front    | 5mm      | -1                     | -90.3 | -203.4 | 130.0            | n25-Ant2                   | Front    | 5mm      | -50                    | -72.7 | -203.4 | 125.0            |
| WLAN2.4G -Ant4+6(Ant6)     |          | 5mm      | 5                      | 39.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant6)     |          | 5mm      | 5                      | 39.6  | -203   |                  |
| LTE Band 30-Ant0           | Front    | 5mm      | -1                     | -90.3 | -203.4 | 151.7            | n25-Ant2                   | Front    | 5mm      | -50                    | -72.7 | -203.4 | 148.3            |
| WLAN5G -Ant5+4(Ant5)       |          | 5mm      | 15                     | 60.6  | -203   |                  | WLAN5G -Ant5+4(Ant5)       |          | 5mm      | 15                     | 60.6  | -203   |                  |
| LTE Band 30-Ant0           | Front    | 5mm      | -1                     | -90.3 | -203.4 | 150.9            | n25-Ant2                   | Front    | 5mm      | -50                    | -72.7 | -203.4 | 145.2            |
| WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm      | 8.2                    | 60.3  | -204   |                  | WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm      | 8.2                    | 60.3  | -204   |                  |
| LTE Band 30-Ant0           | Front    | 5mm      | -1                     | -90.3 | -203.4 | 176.5            | n25-Ant2                   | Front    | 5mm      | -50                    | -72.7 | -203.4 | 150.5            |
| BT -Ant4                   |          | 5mm      | -55                    | 77.7  | -203   |                  | BT -Ant4                   |          | 5mm      | -55                    | 77.7  | -203   |                  |
| LTE Band 30-Ant0           | Front    | 5mm      | -1                     | -90.3 | -203.4 | 130.0            | n25-Ant2                   | Front    | 5mm      | -50                    | -72.7 | -203.4 | 127.4            |
| BT -Ant6                   |          | 5mm      | 11                     | 39.1  | -203.4 |                  | BT -Ant6                   |          | 5mm      | 11                     | 39.1  | -203.4 |                  |
| LTE Band 30-Ant0           | Front    | 5mm      | -1                     | -90.3 | -203.4 | 164.0            | n25-Ant2                   | Front    | 5mm      | -50                    | -72.7 | -203.4 | 170.5            |
| WLAN2.4G -Ant4+6(Ant4)     |          | 5mm      | 49.8                   | 65.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant4)     |          | 5mm      | 49.8                   | 65.6  | -203   |                  |
| LTE Band 30-Ant0           | Front    | 5mm      | -1                     | -90.3 | -203.4 | 165.9            | n25-Ant2                   | Front    | 5mm      | -50                    | -72.7 | -203.4 | 167.5            |
| WLAN5G Ant5+4(Ant4)        |          | 5mm      | 35                     | 71.6  | -203   |                  | WLAN5G Ant5+4(Ant4)        |          | 5mm      | 35                     | 71.6  | -203   |                  |
| LTE Band 30-Ant0           | Front    | 5mm      | -1                     | -90.3 | -203.4 | 164.5            | n25-Ant2                   | Front    | 5mm      | -50                    | -72.7 | -203.4 | 168.6            |
| WLAN6G Ant5+4(Ant4)        |          | 5mm      | 42.5                   | 68.3  | -203   |                  | WLAN6G Ant5+4(Ant4)        |          | 5mm      | 42.5                   | 68.3  | -203   |                  |
| Band                       | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                       | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
| LTE Band 66-Ant0           | Front    | 5mm      | 5                      | -88.7 | -203.5 | 128.3            | n30-Ant2                   | Front    | 5mm      | -60                    | -71.5 | -203.5 | 128.7            |
| WLAN2.4G -Ant4+6(Ant6)     |          | 5mm      | 5                      | 39.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant6)     |          | 5mm      | 5                      | 39.6  | -203   |                  |
| LTE Band 66-Ant0           | Front    | 5mm      | 5                      | -88.7 | -203.5 | 149.6            | n30-Ant2                   | Front    | 5mm      | -60                    | -71.5 | -203.5 | 151.9            |
| WLAN5G -Ant5+4(Ant5)       |          | 5mm      | 15                     | 60.6  | -203   |                  | WLAN5G -Ant5+4(Ant5)       |          | 5mm      | 15                     | 60.6  | -203   |                  |
| LTE Band 66-Ant0           | Front    | 5mm      | 5                      | -88.7 | -203.5 | 149.0            | n30-Ant2                   | Front    | 5mm      | -60                    | -71.5 | -203.5 | 148.4            |
| WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm      | 8.2                    | 60.3  | -204   |                  | WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm      | 8.2                    | 60.3  | -204   |                  |
| LTE Band 66-Ant0           | Front    | 5mm      | 5                      | -88.7 | -203.5 | 176.9            | n30-Ant2                   | Front    | 5mm      | -60                    | -71.5 | -203.5 | 149.3            |
| BT -Ant4                   |          | 5mm      | -55                    | 77.7  | -203   |                  | BT -Ant4                   |          | 5mm      | -55                    | 77.7  | -203   |                  |
| LTE Band 66-Ant0           | Front    | 5mm      | 5                      | -88.7 | -203.5 | 127.9            | n30-Ant2                   | Front    | 5mm      | -60                    | -71.5 | -203.5 | 131.4            |
| BT -Ant6                   |          | 5mm      | 11                     | 39.1  | -203.4 |                  | BT -Ant6                   |          | 5mm      | 11                     | 39.1  | -203.4 |                  |
| LTE Band 66-Ant0           | Front    | 5mm      | 5                      | -88.7 | -203.5 | 160.7            | n30-Ant2                   | Front    | 5mm      | -60                    | -71.5 | -203.5 | 175.6            |



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| WLAN2.4G -Ant4+6(Ant4)     |          | 5mm      | 49.8                   | 65.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant4)     |          | 5mm      | 49.8                   | 65.6  | -203   |                  |
|----------------------------|----------|----------|------------------------|-------|--------|------------------|----------------------------|----------|----------|------------------------|-------|--------|------------------|
| LTE Band 66-Ant0           | Front    | 5mm      | 5                      | -88.7 | -203.5 | 163.1            | n30-Ant2                   | Front    | 5mm      | -60                    | -71.5 | -203.5 | 171.8            |
| WLAN5G Ant5+4(Ant4)        | Front    | 5mm      | 35                     | 71.6  | -203   |                  | WLAN5G Ant5+4(Ant4)        | Front    | 5mm      | 35                     | 71.6  | -203   |                  |
| LTE Band 66-Ant0           | Front    | 5mm      | 5                      | -88.7 | -203.5 | 161.4            | n30-Ant2                   | Front    | 5mm      | -60                    | -71.5 | -203.5 | 173.4            |
| WLAN6G Ant5+4(Ant4)        | Front    | 5mm      | 42.5                   | 68.3  | -203   |                  | WLAN6G Ant5+4(Ant4)        | Front    | 5mm      | 42.5                   | 68.3  | -203   |                  |
| Band                       | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                       | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|                            |          |          | X                      | Y     | Z      |                  |                            |          |          | X                      | Y     | Z      |                  |
| LTE Band 71-Ant0           | Front    | 5mm      | -10                    | -90.2 | -203.4 | 130.7            | n66-Ant2                   | Front    | 5mm      | -55                    | -76   | -203.4 | 130.2            |
| WLAN2.4G -Ant4+6(Ant6)     | Front    | 5mm      | 5                      | 39.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant6)     | Front    | 5mm      | 5                      | 39.6  | -203   |                  |
| LTE Band 71-Ant0           | Front    | 5mm      | -10                    | -90.2 | -203.4 | 152.9            | n66-Ant2                   | Front    | 5mm      | -55                    | -76   | -203.4 | 153.5            |
| WLAN5G -Ant5+4(Ant5)       | Front    | 5mm      | 15                     | 60.6  | -203   |                  | WLAN5G -Ant5+4(Ant5)       | Front    | 5mm      | 15                     | 60.6  | -203   |                  |
| LTE Band 71-Ant0           | Front    | 5mm      | -10                    | -90.2 | -203.4 | 151.6            | n66-Ant2                   | Front    | 5mm      | -55                    | -76   | -203.4 | 150.2            |
| WLAN6G -Ant5+4(Ant5)(Ant5) | Front    | 5mm      | 8.2                    | 60.3  | -204   |                  | WLAN6G -Ant5+4(Ant5)(Ant5) | Front    | 5mm      | 8.2                    | 60.3  | -204   |                  |
| LTE Band 71-Ant0           | Front    | 5mm      | -10                    | -90.2 | -203.4 | 173.8            | n66-Ant2                   | Front    | 5mm      | -55                    | -76   | -203.4 | 153.7            |
| BT -Ant4                   | Front    | 5mm      | -55                    | 77.7  | -203   |                  | BT -Ant4                   | Front    | 5mm      | -55                    | 77.7  | -203   |                  |
| LTE Band 71-Ant0           | Front    | 5mm      | -10                    | -90.2 | -203.4 | 131.0            | n66-Ant2                   | Front    | 5mm      | -55                    | -76   | -203.4 | 132.7            |
| BT -Ant6                   | Front    | 5mm      | 11                     | 39.1  | -203.4 |                  | BT -Ant6                   | Front    | 5mm      | 11                     | 39.1  | -203.4 |                  |
| LTE Band 71-Ant0           | Front    | 5mm      | -10                    | -90.2 | -203.4 | 166.9            | n66-Ant2                   | Front    | 5mm      | -55                    | -76   | -203.4 | 176.2            |
| WLAN2.4G -Ant4+6(Ant4)     | Front    | 5mm      | 49.8                   | 65.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant4)     | Front    | 5mm      | 49.8                   | 65.6  | -203   |                  |
| LTE Band 71-Ant0           | Front    | 5mm      | -10                    | -90.2 | -203.4 | 167.9            | n66-Ant2                   | Front    | 5mm      | -55                    | -76   | -203.4 | 172.9            |
| WLAN5G Ant5+4(Ant4)        | Front    | 5mm      | 35                     | 71.6  | -203   |                  | WLAN5G Ant5+4(Ant4)        | Front    | 5mm      | 35                     | 71.6  | -203   |                  |
| LTE Band 71-Ant0           | Front    | 5mm      | -10                    | -90.2 | -203.4 | 167.0            | n66-Ant2                   | Front    | 5mm      | -55                    | -76   | -203.4 | 174.2            |
| WLAN6G Ant5+4(Ant4)        | Front    | 5mm      | 42.5                   | 68.3  | -203   |                  | WLAN6G Ant5+4(Ant4)        | Front    | 5mm      | 42.5                   | 68.3  | -203   |                  |
| Band                       | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                       | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|                            |          |          | X                      | Y     | Z      |                  |                            |          |          | X                      | Y     | Z      |                  |
| LTE Band 41-Ant0           | Front    | 5mm      | -35                    | -77.3 | -203   | 123.6            | n70-Ant2                   | Front    | 5mm      | -50                    | -78.3 | -203.4 | 130.1            |
| WLAN2.4G -Ant4+6(Ant6)     | Front    | 5mm      | 5                      | 39.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant6)     | Front    | 5mm      | 5                      | 39.6  | -203   |                  |
| LTE Band 41-Ant0           | Front    | 5mm      | -35                    | -77.3 | -203   | 146.7            | n70-Ant2                   | Front    | 5mm      | -50                    | -78.3 | -203.4 | 153.4            |
| WLAN5G -Ant5+4(Ant5)       | Front    | 5mm      | 15                     | 60.6  | -203   |                  | WLAN5G -Ant5+4(Ant5)       | Front    | 5mm      | 15                     | 60.6  | -203   |                  |
| LTE Band 41-Ant0           | Front    | 5mm      | -35                    | -77.3 | -203   | 144.2            | n70-Ant2                   | Front    | 5mm      | -50                    | -78.3 | -203.4 | 150.3            |
| WLAN6G -Ant5+4(Ant5)(Ant5) | Front    | 5mm      | 8.2                    | 60.3  | -204   |                  | WLAN6G -Ant5+4(Ant5)(Ant5) | Front    | 5mm      | 8.2                    | 60.3  | -204   |                  |
| LTE Band 41-Ant0           | Front    | 5mm      | -35                    | -77.3 | -203   | 156.3            | n70-Ant2                   | Front    | 5mm      | -50                    | -78.3 | -203.4 | 156.1            |
| BT -Ant4                   | Front    | 5mm      | -55                    | 77.7  | -203   |                  | BT -Ant4                   | Front    | 5mm      | -55                    | 77.7  | -203   |                  |
| LTE Band 41-Ant0           | Front    | 5mm      | -35                    | -77.3 | -203   | 125.2            | n70-Ant2                   | Front    | 5mm      | -50                    | -78.3 | -203.4 | 132.3            |
| BT -Ant6                   | Front    | 5mm      | 11                     | 39.1  | -203.4 |                  | BT -Ant6                   | Front    | 5mm      | 11                     | 39.1  | -203.4 |                  |
| LTE Band 41-Ant0           | Front    | 5mm      | -35                    | -77.3 | -203   | 166.2            | n70-Ant2                   | Front    | 5mm      | -50                    | -78.3 | -203.4 | 175.1            |
| WLAN2.4G -Ant4+6(Ant4)     | Front    | 5mm      | 49.8                   | 65.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant4)     | Front    | 5mm      | 49.8                   | 65.6  | -203   |                  |
| LTE Band 41-Ant0           | Front    | 5mm      | -35                    | -77.3 | -203   | 164.5            | n70-Ant2                   | Front    | 5mm      | -50                    | -78.3 | -203.4 | 172.3            |
| WLAN5G Ant5+4(Ant4)        | Front    | 5mm      | 35                     | 71.6  | -203   |                  | WLAN5G Ant5+4(Ant4)        | Front    | 5mm      | 35                     | 71.6  | -203   |                  |
| LTE Band 41-Ant0           | Front    | 5mm      | -35                    | -77.3 | -203   | 164.9            | n70-Ant2                   | Front    | 5mm      | -50                    | -78.3 | -203.4 | 173.3            |
| WLAN6G Ant5+4(Ant4)        | Front    | 5mm      | 42.5                   | 68.3  | -203   |                  | WLAN6G Ant5+4(Ant4)        | Front    | 5mm      | 42.5                   | 68.3  | -203   |                  |
| Band                       | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                       | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|                            |          |          | X                      | Y     | Z      |                  |                            |          |          | X                      | Y     | Z      |                  |
| n2-Ant0                    | Front    | 5mm      | 5                      | -99.5 | -203.4 | 139.1            | n41-Ant2                   | Front    | 5mm      | -37                    | -91   | -203.4 | 137.2            |
| WLAN2.4G -Ant4+6(Ant6)     | Front    | 5mm      | 5                      | 39.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant6)     | Front    | 5mm      | 5                      | 39.6  | -203   |                  |
| n2-Ant0                    | Front    | 5mm      | 5                      | -99.5 | -203.4 | 160.4            | n41-Ant2                   | Front    | 5mm      | -37                    | -91   | -203.4 | 160.3            |
| WLAN5G -Ant5+4(Ant5)       | Front    | 5mm      | 15                     | 60.6  | -203   |                  | WLAN5G -Ant5+4(Ant5)       | Front    | 5mm      | 15                     | 60.6  | -203   |                  |
| n2-Ant0                    | Front    | 5mm      | 5                      | -99.5 | -203.4 | 159.8            | n41-Ant2                   | Front    | 5mm      | -37                    | -91   | -203.4 | 157.9            |



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|                            |          |      |                        |       |        |                  |                            |          |      |                        |       |        |                  |
|----------------------------|----------|------|------------------------|-------|--------|------------------|----------------------------|----------|------|------------------------|-------|--------|------------------|
| WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm  | 8.2                    | 60.3  | -204   |                  | WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm  | 8.2                    | 60.3  | -204   |                  |
| n2-Ant0                    | Front    | 5mm  | 5                      | -99.5 | -203.4 | 187.1            | n41-Ant2                   | Front    | 5mm  | -37                    | -91   | -203.4 | 169.7            |
| BT -Ant4                   | Front    | 5mm  | -55                    | 77.7  | -203   |                  | BT -Ant4                   | Front    | 5mm  | -55                    | 77.7  | -203   |                  |
| n2-Ant0                    | Front    | 5mm  | 5                      | -99.5 | -203.4 | 138.7            | n41-Ant2                   | Front    | 5mm  | -37                    | -91   | -203.4 | 138.7            |
| BT -Ant6                   | Front    | 5mm  | 11                     | 39.1  | -203.4 |                  | BT -Ant6                   | Front    | 5mm  | 11                     | 39.1  | -203.4 |                  |
| n2-Ant0                    | Front    | 5mm  | 5                      | -99.5 | -203.4 | 171.1            | n41-Ant2                   | Front    | 5mm  | -37                    | -91   | -203.4 | 179.0            |
| WLAN2.4G -Ant4+6(Ant4)     | Front    | 5mm  | 49.8                   | 65.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant4)     | Front    | 5mm  | 49.8                   | 65.6  | -203   |                  |
| n2-Ant0                    | Front    | 5mm  | 5                      | -99.5 | -203.4 | 173.7            | n41-Ant2                   | Front    | 5mm  | -37                    | -91   | -203.4 | 177.8            |
| WLAN5G Ant5+4(Ant4)        | Front    | 5mm  | 35                     | 71.6  | -203   |                  | WLAN5G Ant5+4(Ant4)        | Front    | 5mm  | 35                     | 71.6  | -203   |                  |
| n2-Ant0                    | Front    | 5mm  | 5                      | -99.5 | -203.4 | 171.9            | n41-Ant2                   | Front    | 5mm  | -37                    | -91   | -203.4 | 178.0            |
| WLAN6G Ant5+4(Ant4)        | Front    | 5mm  | 42.5                   | 68.3  | -203   |                  | WLAN6G Ant5+4(Ant4)        | Front    | 5mm  | 42.5                   | 68.3  | -203   |                  |
| Band                       | Position | Gap  | SAR peak location (mm) |       |        | 3D distance (mm) | Band                       | Position | Gap  | SAR peak location (mm) |       |        | 3D distance (mm) |
|                            |          | (mm) | X                      | Y     | Z      |                  |                            |          | (mm) | X                      | Y     | Z      |                  |
| n7-Ant0                    | Front    | 5mm  | 11                     | -87.7 | -203.3 | 127.4            | n48-Ant2                   | Front    | 5mm  | -40                    | -85.9 | -203.5 | 133.3            |
| WLAN2.4G -Ant4+6(Ant6)     | Front    | 5mm  | 5                      | 39.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant6)     | Front    | 5mm  | 5                      | 39.6  | -203   |                  |
| n7-Ant0                    | Front    | 5mm  | 11                     | -87.7 | -203.3 | 148.4            | n48-Ant2                   | Front    | 5mm  | -40                    | -85.9 | -203.5 | 156.5            |
| WLAN5G -Ant5+4(Ant5)       | Front    | 5mm  | 15                     | 60.6  | -203   |                  | WLAN5G -Ant5+4(Ant5)       | Front    | 5mm  | 15                     | 60.6  | -203   |                  |
| n7-Ant0                    | Front    | 5mm  | 11                     | -87.7 | -203.3 | 148.0            | n48-Ant2                   | Front    | 5mm  | -40                    | -85.9 | -203.5 | 153.9            |
| WLAN6G -Ant5+4(Ant5)(Ant5) | Front    | 5mm  | 8.2                    | 60.3  | -204   |                  | WLAN6G -Ant5+4(Ant5)(Ant5) | Front    | 5mm  | 8.2                    | 60.3  | -204   |                  |
| n7-Ant0                    | Front    | 5mm  | 11                     | -87.7 | -203.3 | 178.1            | n48-Ant2                   | Front    | 5mm  | -40                    | -85.9 | -203.5 | 164.3            |
| BT -Ant4                   | Front    | 5mm  | -55                    | 77.7  | -203   |                  | BT -Ant4                   | Front    | 5mm  | -55                    | 77.7  | -203   |                  |
| n7-Ant0                    | Front    | 5mm  | 11                     | -87.7 | -203.3 | 126.8            | n48-Ant2                   | Front    | 5mm  | -40                    | -85.9 | -203.5 | 135.0            |
| BT -Ant6                   | Front    | 5mm  | 11                     | 39.1  | -203.4 |                  | BT -Ant6                   | Front    | 5mm  | 11                     | 39.1  | -203.4 |                  |
| n7-Ant0                    | Front    | 5mm  | 11                     | -87.7 | -203.3 | 158.1            | n48-Ant2                   | Front    | 5mm  | -40                    | -85.9 | -203.5 | 176.1            |
| WLAN2.4G -Ant4+6(Ant4)     | Front    | 5mm  | 49.8                   | 65.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant4)     | Front    | 5mm  | 49.8                   | 65.6  | -203   |                  |
| n7-Ant0                    | Front    | 5mm  | 11                     | -87.7 | -203.3 | 161.1            | n48-Ant2                   | Front    | 5mm  | -40                    | -85.9 | -203.5 | 174.4            |
| WLAN5G Ant5+4(Ant4)        | Front    | 5mm  | 35                     | 71.6  | -203   |                  | WLAN5G Ant5+4(Ant4)        | Front    | 5mm  | 35                     | 71.6  | -203   |                  |
| n7-Ant0                    | Front    | 5mm  | 11                     | -87.7 | -203.3 | 159.1            | n48-Ant2                   | Front    | 5mm  | -40                    | -85.9 | -203.5 | 174.9            |
| WLAN6G Ant5+4(Ant4)        | Front    | 5mm  | 42.5                   | 68.3  | -203   |                  | WLAN6G Ant5+4(Ant4)        | Front    | 5mm  | 42.5                   | 68.3  | -203   |                  |
| Band                       | Position | Gap  | SAR peak location (mm) |       |        | 3D distance (mm) | Band                       | Position | Gap  | SAR peak location (mm) |       |        | 3D distance (mm) |
|                            |          | (mm) | X                      | Y     | Z      |                  |                            |          | (mm) | X                      | Y     | Z      |                  |
| n12-Ant0                   | Front    | 5mm  | 2                      | -89.9 | -203.4 | 129.5            | n77-Ant2                   | Front    | 5mm  | -40                    | -86.2 | -203.4 | 133.6            |
| WLAN2.4G -Ant4+6(Ant6)     | Front    | 5mm  | 5                      | 39.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant6)     | Front    | 5mm  | 5                      | 39.6  | -203   |                  |
| n12-Ant0                   | Front    | 5mm  | 2                      | -89.9 | -203.4 | 151.1            | n77-Ant2                   | Front    | 5mm  | -40                    | -86.2 | -203.4 | 156.8            |
| WLAN5G -Ant5+4(Ant5)       | Front    | 5mm  | 15                     | 60.6  | -203   |                  | WLAN5G -Ant5+4(Ant5)       | Front    | 5mm  | 15                     | 60.6  | -203   |                  |
| n12-Ant0                   | Front    | 5mm  | 2                      | -89.9 | -203.4 | 150.3            | n77-Ant2                   | Front    | 5mm  | -40                    | -86.2 | -203.4 | 154.2            |
| WLAN6G -Ant5+4(Ant5)(Ant5) | Front    | 5mm  | 8.2                    | 60.3  | -204   |                  | WLAN6G -Ant5+4(Ant5)(Ant5) | Front    | 5mm  | 8.2                    | 60.3  | -204   |                  |
| n12-Ant0                   | Front    | 5mm  | 2                      | -89.9 | -203.4 | 177.0            | n77-Ant2                   | Front    | 5mm  | -40                    | -86.2 | -203.4 | 164.6            |
| BT -Ant4                   | Front    | 5mm  | -55                    | 77.7  | -203   |                  | BT -Ant4                   | Front    | 5mm  | -55                    | 77.7  | -203   |                  |
| n12-Ant0                   | Front    | 5mm  | 2                      | -89.9 | -203.4 | 129.3            | n77-Ant2                   | Front    | 5mm  | -40                    | -86.2 | -203.4 | 135.3            |
| BT -Ant6                   | Front    | 5mm  | 11                     | 39.1  | -203.4 |                  | BT -Ant6                   | Front    | 5mm  | 11                     | 39.1  | -203.4 |                  |
| n12-Ant0                   | Front    | 5mm  | 2                      | -89.9 | -203.4 | 162.7            | n77-Ant2                   | Front    | 5mm  | -40                    | -86.2 | -203.4 | 176.4            |
| WLAN2.4G -Ant4+6(Ant4)     | Front    | 5mm  | 49.8                   | 65.6  | -203   |                  | WLAN2.4G -Ant4+6(Ant4)     | Front    | 5mm  | 49.8                   | 65.6  | -203   |                  |
| n12-Ant0                   | Front    | 5mm  | 2                      | -89.9 | -203.4 | 164.8            | n77-Ant2                   | Front    | 5mm  | -40                    | -86.2 | -203.4 | 174.7            |
| WLAN5G Ant5+4(Ant4)        | Front    | 5mm  | 35                     | 71.6  | -203   |                  | WLAN5G Ant5+4(Ant4)        | Front    | 5mm  | 35                     | 71.6  | -203   |                  |
| n12-Ant0                   | Front    | 5mm  | 2                      | -89.9 | -203.4 | 163.3            | n77-Ant2                   | Front    | 5mm  | -40                    | -86.2 | -203.4 | 175.1            |
| WLAN6G Ant5+4(Ant4)        | Front    | 5mm  | 42.5                   | 68.3  | -203   |                  | WLAN6G Ant5+4(Ant4)        | Front    | 5mm  | 42.5                   | 68.3  | -203   |                  |



| Band                       | Position | Gap  | SAR peak location (mm) |       |        | 3D distance (mm) |
|----------------------------|----------|------|------------------------|-------|--------|------------------|
|                            |          | (mm) | X                      | Y     | Z      |                  |
| n14-Ant0                   | Front    | 5mm  | 4                      | -91.4 | -203.3 | 131.0            |
| WLAN2.4G -Ant4+6(Ant6)     |          | 5mm  | 5                      | 39.6  | -203   |                  |
| n14-Ant0                   | Front    | 5mm  | 4                      | -91.4 | -203.3 | 152.4            |
| WLAN5G -Ant5+4(Ant5)       |          | 5mm  | 15                     | 60.6  | -203   |                  |
| n14-Ant0                   | Front    | 5mm  | 4                      | -91.4 | -203.3 | 151.8            |
| WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm  | 8.2                    | 60.3  | -204   |                  |
| n14-Ant0                   | Front    | 5mm  | 4                      | -91.4 | -203.3 | 179.1            |
| BT -Ant4                   |          | 5mm  | -55                    | 77.7  | -203   |                  |
| n14-Ant0                   | Front    | 5mm  | 4                      | -91.4 | -203.3 | 130.7            |
| BT -Ant6                   |          | 5mm  | 11                     | 39.1  | -203.4 |                  |
| n14-Ant0                   | Front    | 5mm  | 4                      | -91.4 | -203.3 | 163.5            |
| WLAN2.4G -Ant4+6(Ant4)     |          | 5mm  | 49.8                   | 65.6  | -203   |                  |
| n14-Ant0                   | Front    | 5mm  | 4                      | -91.4 | -203.3 | 165.9            |
| WLAN5G Ant5+4(Ant4)        |          | 5mm  | 35                     | 71.6  | -203   |                  |
| n14-Ant0                   | Front    | 5mm  | 4                      | -91.4 | -203.3 | 164.3            |
| WLAN6G Ant5+4(Ant4)        |          | 5mm  | 42.5                   | 68.3  | -203   |                  |
| Band                       | Position | Gap  | SAR peak location (mm) |       |        | 3D distance (mm) |
|                            |          | (mm) | X                      | Y     | Z      |                  |
| n25-Ant0                   | Front    | 5mm  | 4                      | -89.2 | -203.4 | 128.8            |
| WLAN2.4G -Ant4+6(Ant6)     |          | 5mm  | 5                      | 39.6  | -203   |                  |
| n25-Ant0                   | Front    | 5mm  | 4                      | -89.2 | -203.4 | 150.2            |
| WLAN5G -Ant5+4(Ant5)       |          | 5mm  | 15                     | 60.6  | -203   |                  |
| n25-Ant0                   | Front    | 5mm  | 4                      | -89.2 | -203.4 | 149.6            |
| WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm  | 8.2                    | 60.3  | -204   |                  |
| n25-Ant0                   | Front    | 5mm  | 4                      | -89.2 | -203.4 | 177.0            |
| BT -Ant4                   |          | 5mm  | -55                    | 77.7  | -203   |                  |
| n25-Ant0                   | Front    | 5mm  | 4                      | -89.2 | -203.4 | 128.5            |
| BT -Ant6                   |          | 5mm  | 11                     | 39.1  | -203.4 |                  |
| n25-Ant0                   | Front    | 5mm  | 4                      | -89.2 | -203.4 | 161.4            |
| WLAN2.4G -Ant4+6(Ant4)     |          | 5mm  | 49.8                   | 65.6  | -203   |                  |
| n25-Ant0                   | Front    | 5mm  | 4                      | -89.2 | -203.4 | 163.8            |
| WLAN5G Ant5+4(Ant4)        |          | 5mm  | 35                     | 71.6  | -203   |                  |
| n25-Ant0                   | Front    | 5mm  | 4                      | -89.2 | -203.4 | 162.1            |
| WLAN6G Ant5+4(Ant4)        |          | 5mm  | 42.5                   | 68.3  | -203   |                  |
| Band                       | Position | Gap  | SAR peak location (mm) |       |        | 3D distance (mm) |
|                            |          | (mm) | X                      | Y     | Z      |                  |
| n26-Ant0                   | Front    | 5mm  | -7                     | -88.1 | -203.4 | 128.3            |
| WLAN2.4G -Ant4+6(Ant6)     |          | 5mm  | 5                      | 39.6  | -203   |                  |
| n26-Ant0                   | Front    | 5mm  | -7                     | -88.1 | -203.4 | 150.3            |
| WLAN5G -Ant5+4(Ant5)       |          | 5mm  | 15                     | 60.6  | -203   |                  |
| n26-Ant0                   | Front    | 5mm  | -7                     | -88.1 | -203.4 | 149.2            |
| WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm  | 8.2                    | 60.3  | -204   |                  |
| n26-Ant0                   | Front    | 5mm  | -7                     | -88.1 | -203.4 | 172.6            |
| BT -Ant4                   |          | 5mm  | -55                    | 77.7  | -203   |                  |
| n26-Ant0                   | Front    | 5mm  | -7                     | -88.1 | -203.4 | 128.5            |
| BT -Ant6                   |          | 5mm  | 11                     | 39.1  | -203.4 |                  |
| n26-Ant0                   | Front    | 5mm  | -7                     | -88.1 | -203.4 | 163.9            |
| WLAN2.4G -Ant4+6(Ant4)     |          | 5mm  | 49.8                   | 65.6  | -203   |                  |
| n26-Ant0                   | Front    | 5mm  | -7                     | -88.1 | -203.4 | 165.1            |
| WLAN5G Ant5+4(Ant4)        |          | 5mm  | 35                     | 71.6  | -203   |                  |
| n26-Ant0                   | Front    | 5mm  | -7                     | -88.1 | -203.4 | 164.0            |
| WLAN6G Ant5+4(Ant4)        |          | 5mm  | 42.5                   | 68.3  | -203   |                  |
| Band                       | Position | Gap  | SAR peak location (mm) |       |        | 3D distance      |



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|                            |          | (mm)        | X                      | Y     | Z      | (mm)                |
|----------------------------|----------|-------------|------------------------|-------|--------|---------------------|
| n30-Ant0                   | Front    | 5mm         | -5                     | -89.3 | -203.5 | 129.3               |
| WLAN2.4G -Ant4+6(Ant6)     |          | 5mm         | 5                      | 39.6  | -203   |                     |
| n30-Ant0                   | Front    | 5mm         | -5                     | -89.3 | -203.5 | 151.2               |
| WLAN5G -Ant5+4(Ant5)       |          | 5mm         | 15                     | 60.6  | -203   |                     |
| n30-Ant0                   | Front    | 5mm         | -5                     | -89.3 | -203.5 | 150.2               |
| WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm         | 8.2                    | 60.3  | -204   |                     |
| n30-Ant0                   | Front    | 5mm         | -5                     | -89.3 | -203.5 | 174.3               |
| BT -Ant4                   |          | 5mm         | -55                    | 77.7  | -203   |                     |
| n30-Ant0                   | Front    | 5mm         | -5                     | -89.3 | -203.5 | 129.4               |
| BT -Ant6                   |          | 5mm         | 11                     | 39.1  | -203.4 |                     |
| n30-Ant0                   | Front    | 5mm         | -5                     | -89.3 | -203.5 | 164.3               |
| WLAN2.4G -Ant4+6(Ant4)     |          | 5mm         | 49.8                   | 65.6  | -203   |                     |
| n30-Ant0                   | Front    | 5mm         | -5                     | -89.3 | -203.5 | 165.8               |
| WLAN5G Ant5+4(Ant4)        |          | 5mm         | 35                     | 71.6  | -203   |                     |
| n30-Ant0                   | Front    | 5mm         | -5                     | -89.3 | -203.5 | 164.6               |
| WLAN6G Ant5+4(Ant4)        |          | 5mm         | 42.5                   | 68.3  | -203   |                     |
| Band                       | Position | Gap<br>(mm) | SAR peak location (mm) |       |        | 3D distance<br>(mm) |
|                            |          |             | X                      | Y     | Z      |                     |
| n66-Ant0                   | Front    | 5mm         | -40                    | -88.9 | -203.4 | 136.2               |
| WLAN2.4G -Ant4+6(Ant6)     |          | 5mm         | 5                      | 39.6  | -203   |                     |
| n66-Ant0                   | Front    | 5mm         | -40                    | -88.9 | -203.4 | 159.3               |
| WLAN5G -Ant5+4(Ant5)       |          | 5mm         | 15                     | 60.6  | -203   |                     |
| n66-Ant0                   | Front    | 5mm         | -40                    | -88.9 | -203.4 | 156.8               |
| WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm         | 8.2                    | 60.3  | -204   |                     |
| n66-Ant0                   | Front    | 5mm         | -40                    | -88.9 | -203.4 | 167.3               |
| BT -Ant4                   |          | 5mm         | -55                    | 77.7  | -203   |                     |
| n66-Ant0                   | Front    | 5mm         | -40                    | -88.9 | -203.4 | 137.8               |
| BT -Ant6                   |          | 5mm         | 11                     | 39.1  | -203.4 |                     |
| n66-Ant0                   | Front    | 5mm         | -40                    | -88.9 | -203.4 | 178.7               |
| WLAN2.4G -Ant4+6(Ant4)     |          | 5mm         | 49.8                   | 65.6  | -203   |                     |
| n66-Ant0                   | Front    | 5mm         | -40                    | -88.9 | -203.4 | 177.2               |
| WLAN5G Ant5+4(Ant4)        |          | 5mm         | 35                     | 71.6  | -203   |                     |
| n66-Ant0                   | Front    | 5mm         | -40                    | -88.9 | -203.4 | 177.5               |
| WLAN6G Ant5+4(Ant4)        |          | 5mm         | 42.5                   | 68.3  | -203   |                     |
| Band                       | Position | Gap<br>(mm) | SAR peak location (mm) |       |        | 3D distance<br>(mm) |
|                            |          |             | X                      | Y     | Z      |                     |
| n70-Ant0                   | Front    | 5mm         | -40                    | -87.6 | -203.5 | 134.9               |
| WLAN2.4G -Ant4+6(Ant6)     |          | 5mm         | 5                      | 39.6  | -203   |                     |
| n70-Ant0                   | Front    | 5mm         | -40                    | -87.6 | -203.5 | 158.1               |
| WLAN5G -Ant5+4(Ant5)       |          | 5mm         | 15                     | 60.6  | -203   |                     |
| n70-Ant0                   | Front    | 5mm         | -40                    | -87.6 | -203.5 | 155.6               |
| WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm         | 8.2                    | 60.3  | -204   |                     |
| n70-Ant0                   | Front    | 5mm         | -40                    | -87.6 | -203.5 | 166.0               |
| BT -Ant4                   |          | 5mm         | -55                    | 77.7  | -203   |                     |
| n70-Ant0                   | Front    | 5mm         | -40                    | -87.6 | -203.5 | 136.6               |
| BT -Ant6                   |          | 5mm         | 11                     | 39.1  | -203.4 |                     |
| n70-Ant0                   | Front    | 5mm         | -40                    | -87.6 | -203.5 | 177.6               |
| WLAN2.4G -Ant4+6(Ant4)     |          | 5mm         | 49.8                   | 65.6  | -203   |                     |
| n70-Ant0                   | Front    | 5mm         | -40                    | -87.6 | -203.5 | 176.0               |
| WLAN5G Ant5+4(Ant4)        |          | 5mm         | 35                     | 71.6  | -203   |                     |
| n70-Ant0                   | Front    | 5mm         | -40                    | -87.6 | -203.5 | 176.4               |
| WLAN6G Ant5+4(Ant4)        |          | 5mm         | 42.5                   | 68.3  | -203   |                     |
| Band                       | Position | Gap<br>(mm) | SAR peak location (mm) |       |        | 3D distance<br>(mm) |
|                            |          |             | X                      | Y     | Z      |                     |
| n71-Ant0                   | Front    | 5mm         | -5                     | -88.5 | -203.4 | 128.5               |

| WLAN2.4G -Ant4+6(Ant6)     |          | 5mm         | 5                      | 39.6  | -203   |                     |
|----------------------------|----------|-------------|------------------------|-------|--------|---------------------|
| n71-Ant0                   | Front    | 5mm         | -5                     | -88.5 | -203.4 | 150.4               |
| WLAN5G -Ant5+4(Ant5)       |          | 5mm         | 15                     | 60.6  | -203   |                     |
| n71-Ant0                   | Front    | 5mm         | -5                     | -88.5 | -203.4 | 149.4               |
| WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm         | 8.2                    | 60.3  | -204   |                     |
| n71-Ant0                   | Front    | 5mm         | -5                     | -88.5 | -203.4 | 173.6               |
| BT -Ant4                   |          | 5mm         | -55                    | 77.7  | -203   |                     |
| n71-Ant0                   | Front    | 5mm         | -5                     | -88.5 | -203.4 | 128.6               |
| BT -Ant6                   |          | 5mm         | 11                     | 39.1  | -203.4 |                     |
| n71-Ant0                   | Front    | 5mm         | -5                     | -88.5 | -203.4 | 163.6               |
| WLAN2.4G -Ant4+6(Ant4)     |          | 5mm         | 49.8                   | 65.6  | -203   |                     |
| n71-Ant0                   | Front    | 5mm         | -5                     | -88.5 | -203.4 | 165.0               |
| WLAN5G Ant5+4(Ant4)        |          | 5mm         | 35                     | 71.6  | -203   |                     |
| n71-Ant0                   | Front    | 5mm         | -5                     | -88.5 | -203.4 | 163.8               |
| WLAN6G Ant5+4(Ant4)        |          | 5mm         | 42.5                   | 68.3  | -203   |                     |
| Band                       | Position | Gap<br>(mm) | SAR peak location (mm) |       |        | 3D distance<br>(mm) |
| n41-Ant0                   | Front    | 5mm         | 11                     | -89.5 | -203.4 | 129.2               |
| WLAN2.4G -Ant4+6(Ant6)     |          | 5mm         | 5                      | 39.6  | -203   |                     |
| n41-Ant0                   | Front    | 5mm         | 11                     | -89.5 | -203.4 | 150.2               |
| WLAN5G -Ant5+4(Ant5)       |          | 5mm         | 15                     | 60.6  | -203   |                     |
| n41-Ant0                   | Front    | 5mm         | 11                     | -89.5 | -203.4 | 149.8               |
| WLAN6G -Ant5+4(Ant5)(Ant5) |          | 5mm         | 8.2                    | 60.3  | -204   |                     |
| n41-Ant0                   | Front    | 5mm         | 11                     | -89.5 | -203.4 | 179.8               |
| BT -Ant4                   |          | 5mm         | -55                    | 77.7  | -203   |                     |
| n41-Ant0                   | Front    | 5mm         | 11                     | -89.5 | -203.4 | 128.6               |
| BT -Ant6                   |          | 5mm         | 11                     | 39.1  | -203.4 |                     |
| n41-Ant0                   | Front    | 5mm         | 11                     | -89.5 | -203.4 | 159.9               |
| WLAN2.4G -Ant4+6(Ant4)     |          | 5mm         | 49.8                   | 65.6  | -203   |                     |
| n41-Ant0                   | Front    | 5mm         | 11                     | -89.5 | -203.4 | 162.9               |
| WLAN5G Ant5+4(Ant4)        |          | 5mm         | 35                     | 71.6  | -203   |                     |
| n41-Ant0                   | Front    | 5mm         | 11                     | -89.5 | -203.4 | 160.9               |
| WLAN6G Ant5+4(Ant4)        |          | 5mm         | 42.5                   | 68.3  | -203   |                     |

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

| Simultaneous | Position  | minimum<br>3D distance (mm) |
|--------------|-----------|-----------------------------|
| WWAN+WLAN+BT | Front 5mm | 123.6                       |

**Back**

| Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|------------------------|----------|----------|------------------------|-------|--------|------------------|------------------------|----------|----------|------------------------|-------|--------|------------------|
|                        |          |          | X                      | Y     | Z      |                  |                        |          |          | X                      | Y     | Z      |                  |
| GSM850-Ant0            | Back     | 5mm      | -40                    | -83.1 | -203.5 | 128.7            | GSM1900-Ant2           | Back     | 5mm      | 2                      | -74.6 | -204   | 132.2            |
| WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7  | -203   |                  | WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7  | -203   |                  |
| GSM850-Ant0            | Back     | 5mm      | -40                    | -83.1 | -203.5 | 142.1            | GSM1900-Ant2           | Back     | 5mm      | 2                      | -74.6 | -204   | 144.5            |
| WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2  | -203.4 |                  | WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2  | -203.4 |                  |
| GSM850-Ant0            | Back     | 5mm      | -40                    | -83.1 | -203.5 | 166.2            | GSM1900-Ant2           | Back     | 5mm      | 2                      | -74.6 | -204   | 163.7            |
| WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1  | -203   |                  | WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1  | -203   |                  |
| GSM850-Ant0            | Back     | 5mm      | -40                    | -83.1 | -203.5 | 169.1            | GSM1900-Ant2           | Back     | 5mm      | 2                      | -74.6 | -204   | 157.1            |
| BT -Ant4               |          | 5mm      | -5                     | 82.3  | -203   |                  | BT -Ant4               |          | 5mm      | -5                     | 82.3  | -203   |                  |
| GSM850-Ant0            | Back     | 5mm      | -40                    | -83.1 | -203.5 | 127.2            | GSM1900-Ant2           | Back     | 5mm      | 2                      | -74.6 | -204   | 130.9            |
| BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  | BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  |
| GSM850-Ant0            | Back     | 5mm      | -40                    | -83.1 | -203.5 | 167.5            | GSM1900-Ant2           | Back     | 5mm      | 2                      | -74.6 | -204   | 154.8            |
| WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  | WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  |
| GSM850-Ant0            | Back     | 5mm      | -40                    | -83.1 | -203.5 | 165.0            | GSM1900-Ant2           | Back     | 5mm      | 2                      | -74.6 | -204   | 154.3            |
| WLAN5G Ant5+4(Ant4 )   |          | 5mm      | -10.5                  | 79.2  | -203   |                  | WLAN5G Ant5+4(Ant4 )   |          | 5mm      | -10.5                  | 79.2  | -203   |                  |
| GSM850-Ant0            | Back     | 5mm      | -40                    | -83.1 | -203.5 | 160.2            | GSM1900-Ant2           | Back     | 5mm      | 2                      | -74.6 | -204   | 150.7            |
| WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1  | -203   |                  | WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1  | -203   |                  |
| Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|                        |          |          | X                      | Y     | Z      |                  |                        |          |          | X                      | Y     | Z      |                  |
| GSM1900-Ant0           | Back     | 5mm      | -40                    | -86.6 | -203.5 | 132.2            | WCDMA II-Ant2          | Back     | 5mm      | 2                      | -73.5 | -204   | 131.2            |
| WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7  | -203   |                  | WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7  | -203   |                  |
| GSM1900-Ant0           | Back     | 5mm      | -40                    | -86.6 | -203.5 | 145.6            | WCDMA II-Ant2          | Back     | 5mm      | 2                      | -73.5 | -204   | 143.5            |
| WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2  | -203.4 |                  | WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2  | -203.4 |                  |
| GSM1900-Ant0           | Back     | 5mm      | -40                    | -86.6 | -203.5 | 169.7            | WCDMA II-Ant2          | Back     | 5mm      | 2                      | -73.5 | -204   | 162.7            |
| WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1  | -203   |                  | WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1  | -203   |                  |
| GSM1900-Ant0           | Back     | 5mm      | -40                    | -86.6 | -203.5 | 172.5            | WCDMA II-Ant2          | Back     | 5mm      | 2                      | -73.5 | -204   | 156.0            |
| BT -Ant4               |          | 5mm      | -5                     | 82.3  | -203   |                  | BT -Ant4               |          | 5mm      | -5                     | 82.3  | -203   |                  |
| GSM1900-Ant0           | Back     | 5mm      | -40                    | -86.6 | -203.5 | 130.7            | WCDMA II-Ant2          | Back     | 5mm      | 2                      | -73.5 | -204   | 129.9            |
| BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  | BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  |
| GSM1900-Ant0           | Back     | 5mm      | -40                    | -86.6 | -203.5 | 170.9            | WCDMA II-Ant2          | Back     | 5mm      | 2                      | -73.5 | -204   | 153.7            |
| WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  | WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  |
| GSM1900-Ant0           | Back     | 5mm      | -40                    | -86.6 | -203.5 | 168.4            | WCDMA II-Ant2          | Back     | 5mm      | 2                      | -73.5 | -204   | 153.2            |
| WLAN5G Ant5+4(Ant4 )   |          | 5mm      | -10.5                  | 79.2  | -203   |                  | WLAN5G Ant5+4(Ant4 )   |          | 5mm      | -10.5                  | 79.2  | -203   |                  |
| GSM1900-Ant0           | Back     | 5mm      | -40                    | -86.6 | -203.5 | 163.6            | WCDMA II-Ant2          | Back     | 5mm      | 2                      | -73.5 | -204   | 149.6            |
| WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1  | -203   |                  | WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1  | -203   |                  |
| Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|                        |          |          | X                      | Y     | Z      |                  |                        |          |          | X                      | Y     | Z      |                  |
| WCDMA II-Ant0          | Back     | 5mm      | -40                    | -88.5 | -204   | 134.0            | WCDMA IV-Ant2          | Back     | 5mm      | 2                      | -75   | -204   | 132.6            |
| WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7  | -203   |                  | WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7  | -203   |                  |
| WCDMA II-Ant0          | Back     | 5mm      | -40                    | -88.5 | -204   | 147.5            | WCDMA IV-Ant2          | Back     | 5mm      | 2                      | -75   | -204   | 144.9            |
| WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2  | -203.4 |                  | WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2  | -203.4 |                  |
| WCDMA II-Ant0          | Back     | 5mm      | -40                    | -88.5 | -204   | 171.6            | WCDMA IV-Ant2          | Back     | 5mm      | 2                      | -75   | -204   | 164.1            |
| WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1  | -203   |                  | WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1  | -203   |                  |
| WCDMA II-Ant0          | Back     | 5mm      | -40                    | -88.5 | -204   | 174.4            | WCDMA IV-Ant2          | Back     | 5mm      | 2                      | -75   | -204   | 157.5            |
| BT -Ant4               |          | 5mm      | -5                     | 82.3  | -203   |                  | BT -Ant4               |          | 5mm      | -5                     | 82.3  | -203   |                  |
| WCDMA II-Ant0          | Back     | 5mm      | -40                    | -88.5 | -204   | 132.6            | WCDMA IV-Ant2          | Back     | 5mm      | 2                      | -75   | -204   | 131.2            |
| BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  | BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  |
| WCDMA II-Ant0          | Back     | 5mm      | -40                    | -88.5 | -204   | 172.8            | WCDMA IV-Ant2          | Back     | 5mm      | 2                      | -75   | -204   | 155.2            |
| WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  | WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  |



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| WCDMA II-Ant0          | Back     | 5mm      | -40                    | -88.5 | -204   | 170.3            | WCDMA IV-Ant2          | Back     | 5mm      | 2                      | -75   | -204   | 154.7            |
|------------------------|----------|----------|------------------------|-------|--------|------------------|------------------------|----------|----------|------------------------|-------|--------|------------------|
| WLAN5G Ant5+4(Ant4 )   | Back     | 5mm      | -10.5                  | 79.2  | -203   |                  | WLAN5G Ant5+4(Ant4 )   | Back     | 5mm      | -10.5                  | 79.2  | -203   |                  |
| WCDMA II-Ant0          | Back     | 5mm      | -40                    | -88.5 | -204   | 165.5            | WCDMA IV-Ant2          | Back     | 5mm      | 2                      | -75   | -204   | 151.1            |
| WLAN6G Ant5+4(Ant4 )   | Back     | 5mm      | -15                    | 75.1  | -203   |                  | WLAN6G Ant5+4(Ant4 )   | Back     | 5mm      | -15                    | 75.1  | -203   |                  |
| Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|                        |          |          | X                      | Y     | Z      |                  |                        |          |          | X                      | Y     | Z      |                  |
| WCDMA IV-Ant0          | Back     | 5mm      | -55                    | -84.4 | -203.5 | 129.1            | LTE Band 7-Ant2        | Back     | 5mm      | -1                     | -80.2 | -203.5 | 136.1            |
| WLAN2.4G -Ant4+6(Ant6) | Back     | 5mm      | -55                    | 44.7  | -203   |                  | WLAN2.4G -Ant4+6(Ant6) | Back     | 5mm      | -55                    | 44.7  | -203   |                  |
| WCDMA IV-Ant0          | Back     | 5mm      | -55                    | -84.4 | -203.5 | 142.6            | LTE Band 7-Ant2        | Back     | 5mm      | -1                     | -80.2 | -203.5 | 148.6            |
| WLAN5G -Ant5+4(Ant5)   | Back     | 5mm      | -55                    | 58.2  | -203.4 |                  | WLAN5G -Ant5+4(Ant5)   | Back     | 5mm      | -55                    | 58.2  | -203.4 |                  |
| WCDMA IV-Ant0          | Back     | 5mm      | -55                    | -84.4 | -203.5 | 168.0            | LTE Band 7-Ant2        | Back     | 5mm      | -1                     | -80.2 | -203.5 | 168.4            |
| WLAN6G -Ant5+4(Ant5)   | Back     | 5mm      | -42                    | 83.1  | -203   |                  | WLAN6G -Ant5+4(Ant5)   | Back     | 5mm      | -42                    | 83.1  | -203   |                  |
| WCDMA IV-Ant0          | Back     | 5mm      | -55                    | -84.4 | -203.5 | 174.0            | LTE Band 7-Ant2        | Back     | 5mm      | -1                     | -80.2 | -203.5 | 162.5            |
| BT -Ant4               | Back     | 5mm      | -5                     | 82.3  | -203   |                  | BT -Ant4               | Back     | 5mm      | -5                     | 82.3  | -203   |                  |
| WCDMA IV-Ant0          | Back     | 5mm      | -55                    | -84.4 | -203.5 | 127.6            | LTE Band 7-Ant2        | Back     | 5mm      | -1                     | -80.2 | -203.5 | 134.7            |
| BT -Ant6               | Back     | 5mm      | -55                    | 43.2  | -203   |                  | BT -Ant6               | Back     | 5mm      | -55                    | 43.2  | -203   |                  |
| WCDMA IV-Ant0          | Back     | 5mm      | -55                    | -84.4 | -203.5 | 172.7            | LTE Band 7-Ant2        | Back     | 5mm      | -1                     | -80.2 | -203.5 | 160.3            |
| WLAN2.4G -Ant4+6(Ant4) | Back     | 5mm      | -2.3                   | 80.1  | -203   |                  | WLAN2.4G -Ant4+6(Ant4) | Back     | 5mm      | -2.3                   | 80.1  | -203   |                  |
| WCDMA IV-Ant0          | Back     | 5mm      | -55                    | -84.4 | -203.5 | 169.5            | LTE Band 7-Ant2        | Back     | 5mm      | -1                     | -80.2 | -203.5 | 159.7            |
| WLAN5G Ant5+4(Ant4 )   | Back     | 5mm      | -10.5                  | 79.2  | -203   |                  | WLAN5G Ant5+4(Ant4 )   | Back     | 5mm      | -10.5                  | 79.2  | -203   |                  |
| WCDMA IV-Ant0          | Back     | 5mm      | -55                    | -84.4 | -203.5 | 164.4            | LTE Band 7-Ant2        | Back     | 5mm      | -1                     | -80.2 | -203.5 | 155.9            |
| WLAN6G Ant5+4(Ant4 )   | Back     | 5mm      | -15                    | 75.1  | -203   |                  | WLAN6G Ant5+4(Ant4 )   | Back     | 5mm      | -15                    | 75.1  | -203   |                  |
| Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|                        |          |          | X                      | Y     | Z      |                  |                        |          |          | X                      | Y     | Z      |                  |
| WCDMA V-Ant0           | Back     | 5mm      | -38.5                  | -87   | -204   | 132.7            | LTE Band 25-Ant2       | Back     | 5mm      | 5                      | -76.4 | -203.5 | 135.1            |
| WLAN2.4G -Ant4+6(Ant6) | Back     | 5mm      | -55                    | 44.7  | -203   |                  | WLAN2.4G -Ant4+6(Ant6) | Back     | 5mm      | -55                    | 44.7  | -203   |                  |
| WCDMA V-Ant0           | Back     | 5mm      | -38.5                  | -87   | -204   | 146.1            | LTE Band 25-Ant2       | Back     | 5mm      | 5                      | -76.4 | -203.5 | 147.4            |
| WLAN5G -Ant5+4(Ant5)   | Back     | 5mm      | -55                    | 58.2  | -203.4 |                  | WLAN5G -Ant5+4(Ant5)   | Back     | 5mm      | -55                    | 58.2  | -203.4 |                  |
| WCDMA V-Ant0           | Back     | 5mm      | -38.5                  | -87   | -204   | 170.1            | LTE Band 25-Ant2       | Back     | 5mm      | 5                      | -76.4 | -203.5 | 166.3            |
| WLAN6G -Ant5+4(Ant5)   | Back     | 5mm      | -42                    | 83.1  | -203   |                  | WLAN6G -Ant5+4(Ant5)   | Back     | 5mm      | -42                    | 83.1  | -203   |                  |
| WCDMA V-Ant0           | Back     | 5mm      | -38.5                  | -87   | -204   | 172.6            | LTE Band 25-Ant2       | Back     | 5mm      | 5                      | -76.4 | -203.5 | 159.0            |
| BT -Ant4               | Back     | 5mm      | -5                     | 82.3  | -203   |                  | BT -Ant4               | Back     | 5mm      | -5                     | 82.3  | -203   |                  |
| WCDMA V-Ant0           | Back     | 5mm      | -38.5                  | -87   | -204   | 131.2            | LTE Band 25-Ant2       | Back     | 5mm      | 5                      | -76.4 | -203.5 | 133.8            |
| BT -Ant6               | Back     | 5mm      | -55                    | 43.2  | -203   |                  | BT -Ant6               | Back     | 5mm      | -55                    | 43.2  | -203   |                  |
| WCDMA V-Ant0           | Back     | 5mm      | -38.5                  | -87   | -204   | 171.0            | LTE Band 25-Ant2       | Back     | 5mm      | 5                      | -76.4 | -203.5 | 156.7            |
| WLAN2.4G -Ant4+6(Ant4) | Back     | 5mm      | -2.3                   | 80.1  | -203   |                  | WLAN2.4G -Ant4+6(Ant4) | Back     | 5mm      | -2.3                   | 80.1  | -203   |                  |
| WCDMA V-Ant0           | Back     | 5mm      | -38.5                  | -87   | -204   | 168.5            | LTE Band 25-Ant2       | Back     | 5mm      | 5                      | -76.4 | -203.5 | 156.4            |
| WLAN5G Ant5+4(Ant4 )   | Back     | 5mm      | -10.5                  | 79.2  | -203   |                  | WLAN5G Ant5+4(Ant4 )   | Back     | 5mm      | -10.5                  | 79.2  | -203   |                  |
| WCDMA V-Ant0           | Back     | 5mm      | -38.5                  | -87   | -204   | 163.8            | LTE Band 25-Ant2       | Back     | 5mm      | 5                      | -76.4 | -203.5 | 152.8            |
| WLAN6G Ant5+4(Ant4 )   | Back     | 5mm      | -15                    | 75.1  | -203   |                  | WLAN6G Ant5+4(Ant4 )   | Back     | 5mm      | -15                    | 75.1  | -203   |                  |
| Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|                        |          |          | X                      | Y     | Z      |                  |                        |          |          | X                      | Y     | Z      |                  |
| LTE Band 7-Ant0        | Back     | 5mm      | -50.2                  | -84   | -204   | 128.8            | LTE Band 30-Ant2       | Back     | 5mm      | 5                      | -77.1 | -203.4 | 135.8            |
| WLAN2.4G -Ant4+6(Ant6) | Back     | 5mm      | -55                    | 44.7  | -203   |                  | WLAN2.4G -Ant4+6(Ant6) | Back     | 5mm      | -55                    | 44.7  | -203   |                  |
| LTE Band 7-Ant0        | Back     | 5mm      | -50.2                  | -84   | -204   | 142.3            | LTE Band 30-Ant2       | Back     | 5mm      | 5                      | -77.1 | -203.4 | 148.0            |
| WLAN5G -Ant5+4(Ant5)   | Back     | 5mm      | -55                    | 58.2  | -203.4 |                  | WLAN5G -Ant5+4(Ant5)   | Back     | 5mm      | -55                    | 58.2  | -203.4 |                  |
| LTE Band 7-Ant0        | Back     | 5mm      | -50.2                  | -84   | -204   | 167.3            | LTE Band 30-Ant2       | Back     | 5mm      | 5                      | -77.1 | -203.4 | 167.0            |
| WLAN6G -Ant5+4(Ant5)   | Back     | 5mm      | -42                    | 83.1  | -203   |                  | WLAN6G -Ant5+4(Ant5)   | Back     | 5mm      | -42                    | 83.1  | -203   |                  |
| LTE Band 7-Ant0        | Back     | 5mm      | -50.2                  | -84   | -204   | 172.3            | LTE Band 30-Ant2       | Back     | 5mm      | 5                      | -77.1 | -203.4 | 159.7            |
| BT -Ant4               | Back     | 5mm      | -5                     | 82.3  | -203   |                  | BT -Ant4               | Back     | 5mm      | -5                     | 82.3  | -203   |                  |
| LTE Band 7-Ant0        | Back     | 5mm      | -50.2                  | -84   | -204   | 127.3            | LTE Band 30-Ant2       | Back     | 5mm      | 5                      | -77.1 | -203.4 | 134.4            |



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|                        |          |          |                        |       |        |                  |                        |          |          |                        |       |        |                  |
|------------------------|----------|----------|------------------------|-------|--------|------------------|------------------------|----------|----------|------------------------|-------|--------|------------------|
| BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  | BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  |
| LTE Band 7-Ant0        | Back     | 5mm      | -50.2                  | -84   | -204   | 171.0            | LTE Band 30-Ant2       | Back     | 5mm      | 5                      | -77.1 | -203.4 | 157.4            |
| WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  | WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  |
| LTE Band 7-Ant0        | Back     | 5mm      | -50.2                  | -84   | -204   | 168.0            | LTE Band 30-Ant2       | Back     | 5mm      | 5                      | -77.1 | -203.4 | 157.1            |
| WLAN5G Ant5+4(Ant4 )   |          | 5mm      | -10.5                  | 79.2  | -203   |                  | WLAN5G Ant5+4(Ant4 )   |          | 5mm      | -10.5                  | 79.2  | -203   |                  |
| LTE Band 7-Ant0        | Back     | 5mm      | -50.2                  | -84   | -204   | 163.0            | LTE Band 30-Ant2       | Back     | 5mm      | 5                      | -77.1 | -203.4 | 153.5            |
| WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1  | -203   |                  | WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1  | -203   |                  |
| Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|                        |          |          | X                      | Y     | Z      |                  |                        |          |          | X                      | Y     | Z      |                  |
| LTE Band 12-Ant0       | Back     | 5mm      | -42.5                  | -82.3 | -203.5 | 127.6            | LTE Band 66-Ant2       | Back     | 5mm      | 5                      | -75.4 | -203.5 | 134.3            |
| WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7  | -203   |                  | WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7  | -203   |                  |
| LTE Band 12-Ant0       | Back     | 5mm      | -42.5                  | -82.3 | -203.5 | 141.1            | LTE Band 66-Ant2       | Back     | 5mm      | 5                      | -75.4 | -203.5 | 146.5            |
| WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2  | -203.4 |                  | WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2  | -203.4 |                  |
| LTE Band 12-Ant0       | Back     | 5mm      | -42.5                  | -82.3 | -203.5 | 165.4            | LTE Band 66-Ant2       | Back     | 5mm      | 5                      | -75.4 | -203.5 | 165.3            |
| WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1  | -203   |                  | WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1  | -203   |                  |
| LTE Band 12-Ant0       | Back     | 5mm      | -42.5                  | -82.3 | -203.5 | 168.8            | LTE Band 66-Ant2       | Back     | 5mm      | 5                      | -75.4 | -203.5 | 158.0            |
| BT -Ant4               |          | 5mm      | -5                     | 82.3  | -203   |                  | BT -Ant4               |          | 5mm      | -5                     | 82.3  | -203   |                  |
| LTE Band 12-Ant0       | Back     | 5mm      | -42.5                  | -82.3 | -203.5 | 126.1            | LTE Band 66-Ant2       | Back     | 5mm      | 5                      | -75.4 | -203.5 | 132.9            |
| BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  | BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  |
| LTE Band 12-Ant0       | Back     | 5mm      | -42.5                  | -82.3 | -203.5 | 167.3            | LTE Band 66-Ant2       | Back     | 5mm      | 5                      | -75.4 | -203.5 | 155.7            |
| WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  | WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  |
| LTE Band 12-Ant0       | Back     | 5mm      | -42.5                  | -82.3 | -203.5 | 164.6            | LTE Band 66-Ant2       | Back     | 5mm      | 5                      | -75.4 | -203.5 | 155.4            |
| WLAN5G Ant5+4(Ant4 )   |          | 5mm      | -10.5                  | 79.2  | -203   |                  | WLAN5G Ant5+4(Ant4 )   |          | 5mm      | -10.5                  | 79.2  | -203   |                  |
| LTE Band 12-Ant0       | Back     | 5mm      | -42.5                  | -82.3 | -203.5 | 159.8            | LTE Band 66-Ant2       | Back     | 5mm      | 5                      | -75.4 | -203.5 | 151.8            |
| WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1  | -203   |                  | WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1  | -203   |                  |
| Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|                        |          |          | X                      | Y     | Z      |                  |                        |          |          | X                      | Y     | Z      |                  |
| LTE Band 13-Ant0       | Back     | 5mm      | -40                    | -81.2 | -203.5 | 126.8            | LTE Band 41-Ant2       | Back     | 5mm      | -1                     | -82.3 | -203.5 | 138.0            |
| WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7  | -203   |                  | WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7  | -203   |                  |
| LTE Band 13-Ant0       | Back     | 5mm      | -40                    | -81.2 | -203.5 | 140.2            | LTE Band 41-Ant2       | Back     | 5mm      | -1                     | -82.3 | -203.5 | 150.5            |
| WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2  | -203.4 |                  | WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2  | -203.4 |                  |
| LTE Band 13-Ant0       | Back     | 5mm      | -40                    | -81.2 | -203.5 | 164.3            | LTE Band 41-Ant2       | Back     | 5mm      | -1                     | -82.3 | -203.5 | 170.4            |
| WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1  | -203   |                  | WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1  | -203   |                  |
| LTE Band 13-Ant0       | Back     | 5mm      | -40                    | -81.2 | -203.5 | 167.2            | LTE Band 41-Ant2       | Back     | 5mm      | -1                     | -82.3 | -203.5 | 164.6            |
| BT -Ant4               |          | 5mm      | -5                     | 82.3  | -203   |                  | BT -Ant4               |          | 5mm      | -5                     | 82.3  | -203   |                  |
| LTE Band 13-Ant0       | Back     | 5mm      | -40                    | -81.2 | -203.5 | 125.3            | LTE Band 41-Ant2       | Back     | 5mm      | -1                     | -82.3 | -203.5 | 136.6            |
| BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  | BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  |
| LTE Band 13-Ant0       | Back     | 5mm      | -40                    | -81.2 | -203.5 | 165.6            | LTE Band 41-Ant2       | Back     | 5mm      | -1                     | -82.3 | -203.5 | 162.4            |
| WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  | WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  |
| LTE Band 13-Ant0       | Back     | 5mm      | -40                    | -81.2 | -203.5 | 163.1            | LTE Band 41-Ant2       | Back     | 5mm      | -1                     | -82.3 | -203.5 | 161.8            |
| WLAN5G Ant5+4(Ant4 )   |          | 5mm      | -10.5                  | 79.2  | -203   |                  | WLAN5G Ant5+4(Ant4 )   |          | 5mm      | -10.5                  | 79.2  | -203   |                  |
| LTE Band 13-Ant0       | Back     | 5mm      | -40                    | -81.2 | -203.5 | 158.3            | LTE Band 41-Ant2       | Back     | 5mm      | -1                     | -82.3 | -203.5 | 158.0            |
| WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1  | -203   |                  | WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1  | -203   |                  |
| Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|                        |          |          | X                      | Y     | Z      |                  |                        |          |          | X                      | Y     | Z      |                  |
| LTE Band 14-Ant0       | Back     | 5mm      | -41                    | -83.3 | -203.5 | 128.8            | LTE Band 48-Ant2       | Back     | 5mm      | -5                     | -81.4 | -203.5 | 135.7            |
| WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7  | -203   |                  | WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7  | -203   |                  |
| LTE Band 14-Ant0       | Back     | 5mm      | -41                    | -83.3 | -203.5 | 142.2            | LTE Band 48-Ant2       | Back     | 5mm      | -5                     | -81.4 | -203.5 | 148.3            |
| WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2  | -203.4 |                  | WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2  | -203.4 |                  |
| LTE Band 14-Ant0       | Back     | 5mm      | -41                    | -83.3 | -203.5 | 166.4            | LTE Band 48-Ant2       | Back     | 5mm      | -5                     | -81.4 | -203.5 | 168.6            |
| WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1  | -203   |                  | WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1  | -203   |                  |



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| LTE Band 14-Ant0       | Back     | 5mm      | -41                    | -83.3 | -203.5 | 169.5            | LTE Band 48-Ant2       | Back     | 5mm      | -5                     | -81.4 | -203.5 | 163.7            |
|------------------------|----------|----------|------------------------|-------|--------|------------------|------------------------|----------|----------|------------------------|-------|--------|------------------|
| BT -Ant4               |          | 5mm      | -5                     | 82.3  | -203   |                  | BT -Ant4               |          | 5mm      | -5                     | 82.3  | -203   |                  |
| LTE Band 14-Ant0       | Back     | 5mm      | -41                    | -83.3 | -203.5 | 127.3            | LTE Band 48-Ant2       | Back     | 5mm      | -5                     | -81.4 | -203.5 | 134.3            |
| BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  | BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  |
| LTE Band 14-Ant0       | Back     | 5mm      | -41                    | -83.3 | -203.5 | 167.9            | LTE Band 48-Ant2       | Back     | 5mm      | -5                     | -81.4 | -203.5 | 161.5            |
| WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  | WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  |
| LTE Band 14-Ant0       | Back     | 5mm      | -41                    | -83.3 | -203.5 | 165.3            | LTE Band 48-Ant2       | Back     | 5mm      | -5                     | -81.4 | -203.5 | 160.7            |
| WLAN5G Ant5+4(Ant4 )   |          | 5mm      | -10.5                  | 79.2  | -203   |                  | WLAN5G Ant5+4(Ant4 )   |          | 5mm      | -10.5                  | 79.2  | -203   |                  |
| LTE Band 14-Ant0       | Back     | 5mm      | -41                    | -83.3 | -203.5 | 160.5            | LTE Band 48-Ant2       | Back     | 5mm      | -5                     | -81.4 | -203.5 | 156.8            |
| WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1  | -203   |                  | WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1  | -203   |                  |
| Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|                        |          |          | X                      | Y     | Z      |                  |                        |          |          | X                      | Y     | Z      |                  |
| LTE Band 25-Ant0       | Back     | 5mm      | -55                    | -76.9 | -203.5 | 121.6            | FR1 n2-Ant2            | Back     | 5mm      | 2                      | -87   | -204   | 143.5            |
| WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7  | -203   |                  | WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7  | -203   |                  |
| LTE Band 25-Ant0       | Back     | 5mm      | -55                    | -76.9 | -203.5 | 135.1            | FR1 n2-Ant2            | Back     | 5mm      | 2                      | -87   | -204   | 156.0            |
| WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2  | -203.4 |                  | WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2  | -203.4 |                  |
| LTE Band 25-Ant0       | Back     | 5mm      | -55                    | -76.9 | -203.5 | 160.5            | FR1 n2-Ant2            | Back     | 5mm      | 2                      | -87   | -204   | 175.7            |
| WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1  | -203   |                  | WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1  | -203   |                  |
| LTE Band 25-Ant0       | Back     | 5mm      | -55                    | -76.9 | -203.5 | 166.9            | FR1 n2-Ant2            | Back     | 5mm      | 2                      | -87   | -204   | 169.4            |
| BT -Ant4               |          | 5mm      | -5                     | 82.3  | -203   |                  | BT -Ant4               |          | 5mm      | -5                     | 82.3  | -203   |                  |
| LTE Band 25-Ant0       | Back     | 5mm      | -55                    | -76.9 | -203.5 | 120.1            | FR1 n2-Ant2            | Back     | 5mm      | 2                      | -87   | -204   | 142.1            |
| BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  | BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  |
| LTE Band 25-Ant0       | Back     | 5mm      | -55                    | -76.9 | -203.5 | 165.6            | FR1 n2-Ant2            | Back     | 5mm      | 2                      | -87   | -204   | 167.2            |
| WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  | WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  |
| LTE Band 25-Ant0       | Back     | 5mm      | -55                    | -76.9 | -203.5 | 162.3            | FR1 n2-Ant2            | Back     | 5mm      | 2                      | -87   | -204   | 166.7            |
| WLAN5G Ant5+4(Ant4 )   |          | 5mm      | -10.5                  | 79.2  | -203   |                  | WLAN5G Ant5+4(Ant4 )   |          | 5mm      | -10.5                  | 79.2  | -203   |                  |
| LTE Band 25-Ant0       | Back     | 5mm      | -55                    | -76.9 | -203.5 | 157.2            | FR1 n2-Ant2            | Back     | 5mm      | 2                      | -87   | -204   | 163.0            |
| WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1  | -203   |                  | WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1  | -203   |                  |
| Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|                        |          |          | X                      | Y     | Z      |                  |                        |          |          | X                      | Y     | Z      |                  |
| LTE Band 26-Ant0       | Back     | 5mm      | -40                    | -81.5 | -203.5 | 127.1            | FR1 n7-Ant2            | Back     | 5mm      | -1                     | -87.1 | -203.2 | 142.4            |
| WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7  | -203   |                  | WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7  | -203   |                  |
| LTE Band 26-Ant0       | Back     | 5mm      | -40                    | -81.5 | -203.5 | 140.5            | FR1 n7-Ant2            | Back     | 5mm      | -1                     | -87.1 | -203.2 | 155.0            |
| WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2  | -203.4 |                  | WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2  | -203.4 |                  |
| LTE Band 26-Ant0       | Back     | 5mm      | -40                    | -81.5 | -203.5 | 164.6            | FR1 n7-Ant2            | Back     | 5mm      | -1                     | -87.1 | -203.2 | 175.1            |
| WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1  | -203   |                  | WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1  | -203   |                  |
| LTE Band 26-Ant0       | Back     | 5mm      | -40                    | -81.5 | -203.5 | 167.5            | FR1 n7-Ant2            | Back     | 5mm      | -1                     | -87.1 | -203.2 | 169.4            |
| BT -Ant4               |          | 5mm      | -5                     | 82.3  | -203   |                  | BT -Ant4               |          | 5mm      | -5                     | 82.3  | -203   |                  |
| LTE Band 26-Ant0       | Back     | 5mm      | -40                    | -81.5 | -203.5 | 125.6            | FR1 n7-Ant2            | Back     | 5mm      | -1                     | -87.1 | -203.2 | 141.0            |
| BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  | BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  |
| LTE Band 26-Ant0       | Back     | 5mm      | -40                    | -81.5 | -203.5 | 165.9            | FR1 n7-Ant2            | Back     | 5mm      | -1                     | -87.1 | -203.2 | 167.2            |
| WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  | WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  |
| LTE Band 26-Ant0       | Back     | 5mm      | -40                    | -81.5 | -203.5 | 163.4            | FR1 n7-Ant2            | Back     | 5mm      | -1                     | -87.1 | -203.2 | 166.6            |
| WLAN5G Ant5+4(Ant4 )   |          | 5mm      | -10.5                  | 79.2  | -203   |                  | WLAN5G Ant5+4(Ant4 )   |          | 5mm      | -10.5                  | 79.2  | -203   |                  |
| LTE Band 26-Ant0       | Back     | 5mm      | -40                    | -81.5 | -203.5 | 158.6            | FR1 n7-Ant2            | Back     | 5mm      | -1                     | -87.1 | -203.2 | 162.8            |
| WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1  | -203   |                  | WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1  | -203   |                  |
| Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|                        |          |          | X                      | Y     | Z      |                  |                        |          |          | X                      | Y     | Z      |                  |
| LTE Band 30-Ant0       | Back     | 5mm      | -40                    | -82.4 | -203.6 | 128.0            | FR1 n25-Ant2           | Back     | 5mm      | 5                      | -78.1 | -203.5 | 136.7            |
| WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7  | -203   |                  | WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7  | -203   |                  |
| LTE Band 30-Ant0       | Back     | 5mm      | -40                    | -82.4 | -203.6 | 141.4            | FR1 n25-Ant2           | Back     | 5mm      | 5                      | -78.1 | -203.5 | 148.9            |



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| WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2  | -203.4 |                  | WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2  | -203.4 |                  |
|------------------------|----------|----------|------------------------|-------|--------|------------------|------------------------|----------|----------|------------------------|-------|--------|------------------|
| LTE Band 30-Ant0       | Back     | 5mm      | -40                    | -82.4 | -203.6 | 165.5            | FR1 n25-Ant2           | Back     | 5mm      | 5                      | -78.1 | -203.5 | 167.9            |
| WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1  | -203   |                  | WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1  | -203   |                  |
| LTE Band 30-Ant0       | Back     | 5mm      | -40                    | -82.4 | -203.6 | 168.4            | FR1 n25-Ant2           | Back     | 5mm      | 5                      | -78.1 | -203.5 | 160.7            |
| BT -Ant4               |          | 5mm      | -5                     | 82.3  | -203   |                  | BT -Ant4               |          | 5mm      | -5                     | 82.3  | -203   |                  |
| LTE Band 30-Ant0       | Back     | 5mm      | -40                    | -82.4 | -203.6 | 126.5            | FR1 n25-Ant2           | Back     | 5mm      | 5                      | -78.1 | -203.5 | 135.3            |
| BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  | BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  |
| LTE Band 30-Ant0       | Back     | 5mm      | -40                    | -82.4 | -203.6 | 166.8            | FR1 n25-Ant2           | Back     | 5mm      | 5                      | -78.1 | -203.5 | 158.4            |
| WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  | WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  |
| LTE Band 30-Ant0       | Back     | 5mm      | -40                    | -82.4 | -203.6 | 164.3            | FR1 n25-Ant2           | Back     | 5mm      | 5                      | -78.1 | -203.5 | 158.1            |
| WLAN5G Ant5+4(Ant4 )   |          | 5mm      | -10.5                  | 79.2  | -203   |                  | WLAN5G Ant5+4(Ant4 )   |          | 5mm      | -10.5                  | 79.2  | -203   |                  |
| LTE Band 30-Ant0       | Back     | 5mm      | -40                    | -82.4 | -203.6 | 159.5            | FR1 n25-Ant2           | Back     | 5mm      | 5                      | -78.1 | -203.5 | 154.5            |
| WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1  | -203   |                  | WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1  | -203   |                  |
| Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
| LTE Band 66-Ant0       | Back     | 5mm      | -40                    | -85   | -203.5 | 130.6            | FR1 n30-Ant2           | Back     | 5mm      | 5                      | -78.2 | -203.5 | 136.8            |
| WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7  | -203   |                  | WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7  | -203   |                  |
| LTE Band 66-Ant0       | Back     | 5mm      | -40                    | -85   | -203.5 | 144.0            | FR1 n30-Ant2           | Back     | 5mm      | 5                      | -78.2 | -203.5 | 149.0            |
| WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2  | -203.4 |                  | WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2  | -203.4 |                  |
| LTE Band 66-Ant0       | Back     | 5mm      | -40                    | -85   | -203.5 | 168.1            | FR1 n30-Ant2           | Back     | 5mm      | 5                      | -78.2 | -203.5 | 168.0            |
| WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1  | -203   |                  | WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1  | -203   |                  |
| LTE Band 66-Ant0       | Back     | 5mm      | -40                    | -85   | -203.5 | 170.9            | FR1 n30-Ant2           | Back     | 5mm      | 5                      | -78.2 | -203.5 | 160.8            |
| BT -Ant4               |          | 5mm      | -5                     | 82.3  | -203   |                  | BT -Ant4               |          | 5mm      | -5                     | 82.3  | -203   |                  |
| LTE Band 66-Ant0       | Back     | 5mm      | -40                    | -85   | -203.5 | 129.1            | FR1 n30-Ant2           | Back     | 5mm      | 5                      | -78.2 | -203.5 | 135.4            |
| BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  | BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  |
| LTE Band 66-Ant0       | Back     | 5mm      | -40                    | -85   | -203.5 | 169.4            | FR1 n30-Ant2           | Back     | 5mm      | 5                      | -78.2 | -203.5 | 158.5            |
| WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  | WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  |
| LTE Band 66-Ant0       | Back     | 5mm      | -40                    | -85   | -203.5 | 166.8            | FR1 n30-Ant2           | Back     | 5mm      | 5                      | -78.2 | -203.5 | 158.2            |
| WLAN5G Ant5+4(Ant4 )   |          | 5mm      | -10.5                  | 79.2  | -203   |                  | WLAN5G Ant5+4(Ant4 )   |          | 5mm      | -10.5                  | 79.2  | -203   |                  |
| LTE Band 66-Ant0       | Back     | 5mm      | -40                    | -85   | -203.5 | 162.0            | FR1 n30-Ant2           | Back     | 5mm      | 5                      | -78.2 | -203.5 | 154.6            |
| WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1  | -203   |                  | WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1  | -203   |                  |
| Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
| LTE Band 71-Ant0       | Back     | 5mm      | -40                    | -81.5 | -203.5 | 127.1            | FR1 n66-Ant2           | Back     | 5mm      | 3.5                    | -85.5 | -204   | 142.7            |
| WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7  | -203   |                  | WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7  | -203   |                  |
| LTE Band 71-Ant0       | Back     | 5mm      | -40                    | -81.5 | -203.5 | 140.5            | FR1 n66-Ant2           | Back     | 5mm      | 3.5                    | -85.5 | -204   | 155.2            |
| WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2  | -203.4 |                  | WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2  | -203.4 |                  |
| LTE Band 71-Ant0       | Back     | 5mm      | -40                    | -81.5 | -203.5 | 164.6            | FR1 n66-Ant2           | Back     | 5mm      | 3.5                    | -85.5 | -204   | 174.6            |
| WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1  | -203   |                  | WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1  | -203   |                  |
| LTE Band 71-Ant0       | Back     | 5mm      | -40                    | -81.5 | -203.5 | 167.5            | FR1 n66-Ant2           | Back     | 5mm      | 3.5                    | -85.5 | -204   | 168.0            |
| BT -Ant4               |          | 5mm      | -5                     | 82.3  | -203   |                  | BT -Ant4               |          | 5mm      | -5                     | 82.3  | -203   |                  |
| LTE Band 71-Ant0       | Back     | 5mm      | -40                    | -81.5 | -203.5 | 125.6            | FR1 n66-Ant2           | Back     | 5mm      | 3.5                    | -85.5 | -204   | 141.4            |
| BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  | BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  |
| LTE Band 71-Ant0       | Back     | 5mm      | -40                    | -81.5 | -203.5 | 165.9            | FR1 n66-Ant2           | Back     | 5mm      | 3.5                    | -85.5 | -204   | 165.7            |
| WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  | WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  |
| LTE Band 71-Ant0       | Back     | 5mm      | -40                    | -81.5 | -203.5 | 163.4            | FR1 n66-Ant2           | Back     | 5mm      | 3.5                    | -85.5 | -204   | 165.3            |
| WLAN5G Ant5+4(Ant4 )   |          | 5mm      | -10.5                  | 79.2  | -203   |                  | WLAN5G Ant5+4(Ant4 )   |          | 5mm      | -10.5                  | 79.2  | -203   |                  |
| LTE Band 71-Ant0       | Back     | 5mm      | -40                    | -81.5 | -203.5 | 158.6            | FR1 n66-Ant2           | Back     | 5mm      | 3.5                    | -85.5 | -204   | 161.7            |
| WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1  | -203   |                  | WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1  | -203   |                  |
| Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |

| LTE Band 41-Ant0       | Back     | 5mm      | -49                    | -84   | -204   | 128.8            | FR1 n70-Ant2           | Back     | 5mm      | 3.5                    | -86.2 | -204   | 143.4            |
|------------------------|----------|----------|------------------------|-------|--------|------------------|------------------------|----------|----------|------------------------|-------|--------|------------------|
| WLAN2.4G -Ant4+6(Ant6) | Back     | 5mm      | -55                    | 44.7  | -203   |                  | WLAN2.4G -Ant4+6(Ant6) | Back     | 5mm      | -55                    | 44.7  | -203   |                  |
| LTE Band 41-Ant0       | Back     | 5mm      | -49                    | -84   | -204   | 142.3            | FR1 n70-Ant2           | Back     | 5mm      | 3.5                    | -86.2 | -204   | 155.8            |
| WLAN5G -Ant5+4(Ant5)   | Back     | 5mm      | -55                    | 58.2  | -203.4 |                  | WLAN5G -Ant5+4(Ant5)   | Back     | 5mm      | -55                    | 58.2  | -203.4 |                  |
| LTE Band 41-Ant0       | Back     | 5mm      | -49                    | -84   | -204   | 167.2            | FR1 n70-Ant2           | Back     | 5mm      | 3.5                    | -86.2 | -204   | 175.3            |
| WLAN6G -Ant5+4(Ant5)   | Back     | 5mm      | -42                    | 83.1  | -203   |                  | WLAN6G -Ant5+4(Ant5)   | Back     | 5mm      | -42                    | 83.1  | -203   |                  |
| LTE Band 41-Ant0       | Back     | 5mm      | -49                    | -84   | -204   | 172.0            | FR1 n70-Ant2           | Back     | 5mm      | 3.5                    | -86.2 | -204   | 168.7            |
| BT -Ant4               | Back     | 5mm      | -5                     | 82.3  | -203   |                  | BT -Ant4               | Back     | 5mm      | -5                     | 82.3  | -203   |                  |
| LTE Band 41-Ant0       | Back     | 5mm      | -49                    | -84   | -204   | 127.3            | FR1 n70-Ant2           | Back     | 5mm      | 3.5                    | -86.2 | -204   | 142.0            |
| BT -Ant6               | Back     | 5mm      | -55                    | 43.2  | -203   |                  | BT -Ant6               | Back     | 5mm      | -55                    | 43.2  | -203   |                  |
| LTE Band 41-Ant0       | Back     | 5mm      | -49                    | -84   | -204   | 170.6            | FR1 n70-Ant2           | Back     | 5mm      | 3.5                    | -86.2 | -204   | 166.4            |
| WLAN2.4G -Ant4+6(Ant4) | Back     | 5mm      | -2.3                   | 80.1  | -203   |                  | WLAN2.4G -Ant4+6(Ant4) | Back     | 5mm      | -2.3                   | 80.1  | -203   |                  |
| LTE Band 41-Ant0       | Back     | 5mm      | -49                    | -84   | -204   | 167.7            | FR1 n70-Ant2           | Back     | 5mm      | 3.5                    | -86.2 | -204   | 166.0            |
| WLAN5G Ant5+4(Ant4 )   | Back     | 5mm      | -10.5                  | 79.2  | -203   |                  | WLAN5G Ant5+4(Ant4 )   | Back     | 5mm      | -10.5                  | 79.2  | -203   |                  |
| LTE Band 41-Ant0       | Back     | 5mm      | -49                    | -84   | -204   | 162.7            | FR1 n70-Ant2           | Back     | 5mm      | 3.5                    | -86.2 | -204   | 162.4            |
| WLAN6G Ant5+4(Ant4 )   | Back     | 5mm      | -15                    | 75.1  | -203   |                  | WLAN6G Ant5+4(Ant4 )   | Back     | 5mm      | -15                    | 75.1  | -203   |                  |
| Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|                        |          |          | X                      | Y     | Z      |                  |                        |          |          | X                      | Y     | Z      |                  |
| FR1 n2-Ant0            | Back     | 5mm      | -40                    | -94.3 | -203.2 | 139.8            | FR1 n41-Ant2           | Back     | 5mm      | -1                     | -85   | -203.2 | 140.5            |
| WLAN2.4G -Ant4+6(Ant6) | Back     | 5mm      | -55                    | 44.7  | -203   |                  | WLAN2.4G -Ant4+6(Ant6) | Back     | 5mm      | -55                    | 44.7  | -203   |                  |
| FR1 n2-Ant0            | Back     | 5mm      | -40                    | -94.3 | -203.2 | 153.2            | FR1 n41-Ant2           | Back     | 5mm      | -1                     | -85   | -203.2 | 153.0            |
| WLAN5G -Ant5+4(Ant5)   | Back     | 5mm      | -55                    | 58.2  | -203.4 |                  | WLAN5G -Ant5+4(Ant5)   | Back     | 5mm      | -55                    | 58.2  | -203.4 |                  |
| FR1 n2-Ant0            | Back     | 5mm      | -40                    | -94.3 | -203.2 | 177.4            | FR1 n41-Ant2           | Back     | 5mm      | -1                     | -85   | -203.2 | 173.0            |
| WLAN6G -Ant5+4(Ant5)   | Back     | 5mm      | -42                    | 83.1  | -203   |                  | WLAN6G -Ant5+4(Ant5)   | Back     | 5mm      | -42                    | 83.1  | -203   |                  |
| FR1 n2-Ant0            | Back     | 5mm      | -40                    | -94.3 | -203.2 | 180.0            | FR1 n41-Ant2           | Back     | 5mm      | -1                     | -85   | -203.2 | 167.3            |
| BT -Ant4               | Back     | 5mm      | -5                     | 82.3  | -203   |                  | BT -Ant4               | Back     | 5mm      | -5                     | 82.3  | -203   |                  |
| FR1 n2-Ant0            | Back     | 5mm      | -40                    | -94.3 | -203.2 | 138.3            | FR1 n41-Ant2           | Back     | 5mm      | -1                     | -85   | -203.2 | 139.1            |
| BT -Ant6               | Back     | 5mm      | -55                    | 43.2  | -203   |                  | BT -Ant6               | Back     | 5mm      | -55                    | 43.2  | -203   |                  |
| FR1 n2-Ant0            | Back     | 5mm      | -40                    | -94.3 | -203.2 | 178.4            | FR1 n41-Ant2           | Back     | 5mm      | -1                     | -85   | -203.2 | 165.1            |
| WLAN2.4G -Ant4+6(Ant4) | Back     | 5mm      | -2.3                   | 80.1  | -203   |                  | WLAN2.4G -Ant4+6(Ant4) | Back     | 5mm      | -2.3                   | 80.1  | -203   |                  |
| FR1 n2-Ant0            | Back     | 5mm      | -40                    | -94.3 | -203.2 | 176.0            | FR1 n41-Ant2           | Back     | 5mm      | -1                     | -85   | -203.2 | 164.5            |
| WLAN5G Ant5+4(Ant4 )   | Back     | 5mm      | -10.5                  | 79.2  | -203   |                  | WLAN5G Ant5+4(Ant4 )   | Back     | 5mm      | -10.5                  | 79.2  | -203   |                  |
| FR1 n2-Ant0            | Back     | 5mm      | -40                    | -94.3 | -203.2 | 171.2            | FR1 n41-Ant2           | Back     | 5mm      | -1                     | -85   | -203.2 | 160.7            |
| WLAN6G Ant5+4(Ant4 )   | Back     | 5mm      | -15                    | 75.1  | -203   |                  | WLAN6G Ant5+4(Ant4 )   | Back     | 5mm      | -15                    | 75.1  | -203   |                  |
| Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|                        |          |          | X                      | Y     | Z      |                  |                        |          |          | X                      | Y     | Z      |                  |
| FR1 n7-Ant0            | Back     | 5mm      | -47.8                  | -84   | -204   | 128.9            | FR1 n48-Ant2           | Back     | 5mm      | -5                     | -81.2 | -203.5 | 135.5            |
| WLAN2.4G -Ant4+6(Ant6) | Back     | 5mm      | -55                    | 44.7  | -203   |                  | WLAN2.4G -Ant4+6(Ant6) | Back     | 5mm      | -55                    | 44.7  | -203   |                  |
| FR1 n7-Ant0            | Back     | 5mm      | -47.8                  | -84   | -204   | 142.4            | FR1 n48-Ant2           | Back     | 5mm      | -5                     | -81.2 | -203.5 | 148.1            |
| WLAN5G -Ant5+4(Ant5)   | Back     | 5mm      | -55                    | 58.2  | -203.4 |                  | WLAN5G -Ant5+4(Ant5)   | Back     | 5mm      | -55                    | 58.2  | -203.4 |                  |
| FR1 n7-Ant0            | Back     | 5mm      | -47.8                  | -84   | -204   | 167.2            | FR1 n48-Ant2           | Back     | 5mm      | -5                     | -81.2 | -203.5 | 168.4            |
| WLAN6G -Ant5+4(Ant5)   | Back     | 5mm      | -42                    | 83.1  | -203   |                  | WLAN6G -Ant5+4(Ant5)   | Back     | 5mm      | -42                    | 83.1  | -203   |                  |
| FR1 n7-Ant0            | Back     | 5mm      | -47.8                  | -84   | -204   | 171.7            | FR1 n48-Ant2           | Back     | 5mm      | -5                     | -81.2 | -203.5 | 163.5            |
| BT -Ant4               | Back     | 5mm      | -5                     | 82.3  | -203   |                  | BT -Ant4               | Back     | 5mm      | -5                     | 82.3  | -203   |                  |
| FR1 n7-Ant0            | Back     | 5mm      | -47.8                  | -84   | -204   | 127.4            | FR1 n48-Ant2           | Back     | 5mm      | -5                     | -81.2 | -203.5 | 134.1            |
| BT -Ant6               | Back     | 5mm      | -55                    | 43.2  | -203   |                  | BT -Ant6               | Back     | 5mm      | -55                    | 43.2  | -203   |                  |
| FR1 n7-Ant0            | Back     | 5mm      | -47.8                  | -84   | -204   | 170.3            | FR1 n48-Ant2           | Back     | 5mm      | -5                     | -81.2 | -203.5 | 161.3            |
| WLAN2.4G -Ant4+6(Ant4) | Back     | 5mm      | -2.3                   | 80.1  | -203   |                  | WLAN2.4G -Ant4+6(Ant4) | Back     | 5mm      | -2.3                   | 80.1  | -203   |                  |
| FR1 n7-Ant0            | Back     | 5mm      | -47.8                  | -84   | -204   | 167.4            | FR1 n48-Ant2           | Back     | 5mm      | -5                     | -81.2 | -203.5 | 160.5            |
| WLAN5G Ant5+4(Ant4 )   | Back     | 5mm      | -10.5                  | 79.2  | -203   |                  | WLAN5G Ant5+4(Ant4 )   | Back     | 5mm      | -10.5                  | 79.2  | -203   |                  |
| FR1 n7-Ant0            | Back     | 5mm      | -47.8                  | -84   | -204   | 162.4            | FR1 n48-Ant2           | Back     | 5mm      | -5                     | -81.2 | -203.5 | 156.6            |

| WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1  | -203   |                  | WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1 | -203   |                  |
|------------------------|----------|----------|------------------------|-------|--------|------------------|------------------------|----------|----------|------------------------|------|--------|------------------|
| Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band                   | Position | Gap (mm) | SAR peak location (mm) |      |        | 3D distance (mm) |
| FR1 n12-Ant0           | Back     | 5mm      | -43.1                  | -84.2 | -203.4 | 129.4            | FR1 n77-Ant2           | Back     | 5mm      | -5                     | -80  | -203.3 | 134.4            |
| WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7  | -203   |                  | WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7 | -203   |                  |
| FR1 n12-Ant0           | Back     | 5mm      | -43.1                  | -84.2 | -203.4 | 142.9            | FR1 n77-Ant2           | Back     | 5mm      | -5                     | -80  | -203.3 | 147.0            |
| WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2  | -203.4 |                  | WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2 | -203.4 |                  |
| FR1 n12-Ant0           | Back     | 5mm      | -43.1                  | -84.2 | -203.4 | 167.3            | FR1 n77-Ant2           | Back     | 5mm      | -5                     | -80  | -203.3 | 167.2            |
| WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1  | -203   |                  | WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1 | -203   |                  |
| FR1 n12-Ant0           | Back     | 5mm      | -43.1                  | -84.2 | -203.4 | 170.8            | FR1 n77-Ant2           | Back     | 5mm      | -5                     | -80  | -203.3 | 162.3            |
| BT -Ant4               |          | 5mm      | -5                     | 82.3  | -203   |                  | BT -Ant4               |          | 5mm      | -5                     | 82.3 | -203   |                  |
| FR1 n12-Ant0           | Back     | 5mm      | -43.1                  | -84.2 | -203.4 | 128.0            | FR1 n77-Ant2           | Back     | 5mm      | -5                     | -80  | -203.3 | 133.0            |
| BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  | BT -Ant6               |          | 5mm      | -55                    | 43.2 | -203   |                  |
| FR1 n12-Ant0           | Back     | 5mm      | -43.1                  | -84.2 | -203.4 | 169.3            | FR1 n77-Ant2           | Back     | 5mm      | -5                     | -80  | -203.3 | 160.1            |
| WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  | WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1 | -203   |                  |
| FR1 n12-Ant0           | Back     | 5mm      | -43.1                  | -84.2 | -203.4 | 166.6            | FR1 n77-Ant2           | Back     | 5mm      | -5                     | -80  | -203.3 | 159.3            |
| WLAN5G Ant5+4(Ant4 )   |          | 5mm      | -10.5                  | 79.2  | -203   |                  | WLAN5G Ant5+4(Ant4 )   |          | 5mm      | -10.5                  | 79.2 | -203   |                  |
| FR1 n12-Ant0           | Back     | 5mm      | -43.1                  | -84.2 | -203.4 | 161.8            | FR1 n77-Ant2           | Back     | 5mm      | -5                     | -80  | -203.3 | 155.4            |
| WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1  | -203   |                  | WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1 | -203   |                  |

| Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|------------------------|----------|----------|------------------------|-------|--------|------------------|
| FR1 n14-Ant0           | Back     | 5mm      | -43.5                  | -83.5 | -203.4 | 128.7            |
| WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7  | -203   |                  |
| FR1 n14-Ant0           | Back     | 5mm      | -43.5                  | -83.5 | -203.4 | 142.2            |
| WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2  | -203.4 |                  |
| FR1 n14-Ant0           | Back     | 5mm      | -43.5                  | -83.5 | -203.4 | 166.6            |
| WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1  | -203   |                  |
| FR1 n14-Ant0           | Back     | 5mm      | -43.5                  | -83.5 | -203.4 | 170.2            |
| BT -Ant4               |          | 5mm      | -5                     | 82.3  | -203   |                  |
| FR1 n14-Ant0           | Back     | 5mm      | -43.5                  | -83.5 | -203.4 | 127.2            |
| BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  |
| FR1 n14-Ant0           | Back     | 5mm      | -43.5                  | -83.5 | -203.4 | 168.7            |
| WLAN2.4G -Ant4+6(Ant4) |          | 5mm      | -2.3                   | 80.1  | -203   |                  |
| FR1 n14-Ant0           | Back     | 5mm      | -43.5                  | -83.5 | -203.4 | 166.0            |
| WLAN5G Ant5+4(Ant4 )   |          | 5mm      | -10.5                  | 79.2  | -203   |                  |
| FR1 n14-Ant0           | Back     | 5mm      | -43.5                  | -83.5 | -203.4 | 161.1            |
| WLAN6G Ant5+4(Ant4 )   |          | 5mm      | -15                    | 75.1  | -203   |                  |
| Band                   | Position | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
| FR1 n25-Ant0           | Back     | 5mm      | -55                    | -77.4 | -203.5 | 122.1            |
| WLAN2.4G -Ant4+6(Ant6) |          | 5mm      | -55                    | 44.7  | -203   |                  |
| FR1 n25-Ant0           | Back     | 5mm      | -55                    | -77.4 | -203.5 | 135.6            |
| WLAN5G -Ant5+4(Ant5)   |          | 5mm      | -55                    | 58.2  | -203.4 |                  |
| FR1 n25-Ant0           | Back     | 5mm      | -55                    | -77.4 | -203.5 | 161.0            |
| WLAN6G -Ant5+4(Ant5)   |          | 5mm      | -42                    | 83.1  | -203   |                  |
| FR1 n25-Ant0           | Back     | 5mm      | -55                    | -77.4 | -203.5 | 167.3            |
| BT -Ant4               |          | 5mm      | -5                     | 82.3  | -203   |                  |
| FR1 n25-Ant0           | Back     | 5mm      | -55                    | -77.4 | -203.5 | 120.6            |
| BT -Ant6               |          | 5mm      | -55                    | 43.2  | -203   |                  |
| FR1 n25-Ant0           | Back     | 5mm      | -55                    | -77.4 | -203.5 | 166.1            |



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| WLAN2.4G -Ant4+6(Ant4) |          | 5mm  | -2.3                   | 80.1  | -203   |                  |
|------------------------|----------|------|------------------------|-------|--------|------------------|
| FR1 n25-Ant0           | Back     | 5mm  | -55                    | -77.4 | -203.5 | 162.8            |
| WLAN5G Ant5+4(Ant4 )   |          | 5mm  | -10.5                  | 79.2  | -203   |                  |
| FR1 n25-Ant0           | Back     | 5mm  | -55                    | -77.4 | -203.5 | 157.7            |
| WLAN6G Ant5+4(Ant4 )   |          | 5mm  | -15                    | 75.1  | -203   |                  |
| Band                   | Position | Gap  | SAR peak location (mm) |       |        | 3D distance (mm) |
|                        |          | (mm) | X                      | Y     | Z      |                  |
| FR1 n26-Ant0           | Back     | 5mm  | -41.5                  | -87   | -204   | 132.4            |
| WLAN2.4G -Ant4+6(Ant6) |          | 5mm  | -55                    | 44.7  | -203   |                  |
| FR1 n26-Ant0           | Back     | 5mm  | -41.5                  | -87   | -204   | 145.8            |
| WLAN5G -Ant5+4(Ant5)   |          | 5mm  | -55                    | 58.2  | -203.4 |                  |
| FR1 n26-Ant0           | Back     | 5mm  | -41.5                  | -87   | -204   | 170.1            |
| WLAN6G -Ant5+4(Ant5)   |          | 5mm  | -42                    | 83.1  | -203   |                  |
| FR1 n26-Ant0           | Back     | 5mm  | -41.5                  | -87   | -204   | 173.2            |
| BT -Ant4               |          | 5mm  | -5                     | 82.3  | -203   |                  |
| FR1 n26-Ant0           | Back     | 5mm  | -41.5                  | -87   | -204   | 130.9            |
| BT -Ant6               |          | 5mm  | -55                    | 43.2  | -203   |                  |
| FR1 n26-Ant0           | Back     | 5mm  | -41.5                  | -87   | -204   | 171.6            |
| WLAN2.4G -Ant4+6(Ant4) |          | 5mm  | -2.3                   | 80.1  | -203   |                  |
| FR1 n26-Ant0           | Back     | 5mm  | -41.5                  | -87   | -204   | 169.1            |
| WLAN5G Ant5+4(Ant4 )   |          | 5mm  | -10.5                  | 79.2  | -203   |                  |
| FR1 n26-Ant0           | Back     | 5mm  | -41.5                  | -87   | -204   | 164.3            |
| WLAN6G Ant5+4(Ant4 )   |          | 5mm  | -15                    | 75.1  | -203   |                  |
| Band                   | Position | Gap  | SAR peak location (mm) |       |        | 3D distance (mm) |
|                        |          | (mm) | X                      | Y     | Z      |                  |
| FR1 n30-Ant0           | Back     | 5mm  | -40                    | -83.2 | -203.4 | 128.8            |
| WLAN2.4G -Ant4+6(Ant6) |          | 5mm  | -55                    | 44.7  | -203   |                  |
| FR1 n30-Ant0           | Back     | 5mm  | -40                    | -83.2 | -203.4 | 142.2            |
| WLAN5G -Ant5+4(Ant5)   |          | 5mm  | -55                    | 58.2  | -203.4 |                  |
| FR1 n30-Ant0           | Back     | 5mm  | -40                    | -83.2 | -203.4 | 166.3            |
| WLAN6G -Ant5+4(Ant5)   |          | 5mm  | -42                    | 83.1  | -203   |                  |
| FR1 n30-Ant0           | Back     | 5mm  | -40                    | -83.2 | -203.4 | 169.2            |
| BT -Ant4               |          | 5mm  | -5                     | 82.3  | -203   |                  |
| FR1 n30-Ant0           | Back     | 5mm  | -40                    | -83.2 | -203.4 | 127.3            |
| BT -Ant6               |          | 5mm  | -55                    | 43.2  | -203   |                  |
| FR1 n30-Ant0           | Back     | 5mm  | -40                    | -83.2 | -203.4 | 167.6            |
| WLAN2.4G -Ant4+6(Ant4) |          | 5mm  | -2.3                   | 80.1  | -203   |                  |
| FR1 n30-Ant0           | Back     | 5mm  | -40                    | -83.2 | -203.4 | 165.1            |
| WLAN5G Ant5+4(Ant4 )   |          | 5mm  | -10.5                  | 79.2  | -203   |                  |
| FR1 n30-Ant0           | Back     | 5mm  | -40                    | -83.2 | -203.4 | 160.3            |
| WLAN6G Ant5+4(Ant4 )   |          | 5mm  | -15                    | 75.1  | -203   |                  |
| Band                   | Position | Gap  | SAR peak location (mm) |       |        | 3D distance (mm) |
|                        |          | (mm) | X                      | Y     | Z      |                  |
| FR1 n66-Ant0           | Back     | 5mm  | -37                    | -90   | -204   | 135.9            |
| WLAN2.4G -Ant4+6(Ant6) |          | 5mm  | -55                    | 44.7  | -203   |                  |
| FR1 n66-Ant0           | Back     | 5mm  | -37                    | -90   | -204   | 149.3            |
| WLAN5G -Ant5+4(Ant5)   |          | 5mm  | -55                    | 58.2  | -203.4 |                  |
| FR1 n66-Ant0           | Back     | 5mm  | -37                    | -90   | -204   | 173.2            |
| WLAN6G -Ant5+4(Ant5)   |          | 5mm  | -42                    | 83.1  | -203   |                  |
| FR1 n66-Ant0           | Back     | 5mm  | -37                    | -90   | -204   | 175.2            |
| BT -Ant4               |          | 5mm  | -5                     | 82.3  | -203   |                  |

| FR1 n66-Ant0           | Back     | 5mm         | -37                    | -90   | -204   | 134.4            |
|------------------------|----------|-------------|------------------------|-------|--------|------------------|
| BT -Ant6               |          | 5mm         | -55                    | 43.2  | -203   |                  |
| FR1 n66-Ant0           | Back     | 5mm         | -37                    | -90   | -204   | 173.6            |
| WLAN2.4G -Ant4+6(Ant4) |          | 5mm         | -2.3                   | 80.1  | -203   |                  |
| FR1 n66-Ant0           | Back     | 5mm         | -37                    | -90   | -204   | 171.3            |
| WLAN5G Ant5+4(Ant4 )   |          | 5mm         | -10.5                  | 79.2  | -203   |                  |
| FR1 n66-Ant0           | Back     | 5mm         | -37                    | -90   | -204   | 166.6            |
| WLAN6G Ant5+4(Ant4 )   |          | 5mm         | -15                    | 75.1  | -203   |                  |
| Band                   | Position | Gap<br>(mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|                        |          |             | X                      | Y     | Z      |                  |
| FR1 n70-Ant0           | Back     | 5mm         | -37                    | -90.5 | -204   | 136.4            |
| WLAN2.4G -Ant4+6(Ant6) |          | 5mm         | -55                    | 44.7  | -203   |                  |
| FR1 n70-Ant0           | Back     | 5mm         | -37                    | -90.5 | -204   | 149.8            |
| WLAN5G -Ant5+4(Ant5)   |          | 5mm         | -55                    | 58.2  | -203.4 |                  |
| FR1 n70-Ant0           | Back     | 5mm         | -37                    | -90.5 | -204   | 173.7            |
| WLAN6G -Ant5+4(Ant5)   |          | 5mm         | -42                    | 83.1  | -203   |                  |
| FR1 n70-Ant0           | Back     | 5mm         | -37                    | -90.5 | -204   | 175.7            |
| BT -Ant4               |          | 5mm         | -5                     | 82.3  | -203   |                  |
| FR1 n70-Ant0           | Back     | 5mm         | -37                    | -90.5 | -204   | 134.9            |
| BT -Ant6               |          | 5mm         | -55                    | 43.2  | -203   |                  |
| FR1 n70-Ant0           | Back     | 5mm         | -37                    | -90.5 | -204   | 174.1            |
| WLAN2.4G -Ant4+6(Ant4) |          | 5mm         | -2.3                   | 80.1  | -203   |                  |
| FR1 n70-Ant0           | Back     | 5mm         | -37                    | -90.5 | -204   | 171.8            |
| WLAN5G Ant5+4(Ant4 )   |          | 5mm         | -10.5                  | 79.2  | -203   |                  |
| FR1 n70-Ant0           | Back     | 5mm         | -37                    | -90.5 | -204   | 167.1            |
| WLAN6G Ant5+4(Ant4 )   |          | 5mm         | -15                    | 75.1  | -203   |                  |
| Band                   | Position | Gap<br>(mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|                        |          |             | X                      | Y     | Z      |                  |
| FR1 n71-Ant0           | Back     | 5mm         | -43.1                  | -83.6 | -204   | 128.9            |
| WLAN2.4G -Ant4+6(Ant6) |          | 5mm         | -55                    | 44.7  | -203   |                  |
| FR1 n71-Ant0           | Back     | 5mm         | -43.1                  | -83.6 | -204   | 142.3            |
| WLAN5G -Ant5+4(Ant5)   |          | 5mm         | -55                    | 58.2  | -203.4 |                  |
| FR1 n71-Ant0           | Back     | 5mm         | -43.1                  | -83.6 | -204   | 166.7            |
| WLAN6G -Ant5+4(Ant5)   |          | 5mm         | -42                    | 83.1  | -203   |                  |
| FR1 n71-Ant0           | Back     | 5mm         | -43.1                  | -83.6 | -204   | 170.2            |
| BT -Ant4               |          | 5mm         | -5                     | 82.3  | -203   |                  |
| FR1 n71-Ant0           | Back     | 5mm         | -43.1                  | -83.6 | -204   | 127.4            |
| BT -Ant6               |          | 5mm         | -55                    | 43.2  | -203   |                  |
| FR1 n71-Ant0           | Back     | 5mm         | -43.1                  | -83.6 | -204   | 168.7            |
| WLAN2.4G -Ant4+6(Ant4) |          | 5mm         | -2.3                   | 80.1  | -203   |                  |
| FR1 n71-Ant0           | Back     | 5mm         | -43.1                  | -83.6 | -204   | 166.0            |
| WLAN5G Ant5+4(Ant4 )   |          | 5mm         | -10.5                  | 79.2  | -203   |                  |
| FR1 n71-Ant0           | Back     | 5mm         | -43.1                  | -83.6 | -204   | 161.2            |
| WLAN6G Ant5+4(Ant4 )   |          | 5mm         | -15                    | 75.1  | -203   |                  |
| Band                   | Position | Gap<br>(mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|                        |          |             | X                      | Y     | Z      |                  |
| FR1 n41-Ant0           | Back     | 5mm         | -50.2                  | -84   | -204   | 128.8            |
| WLAN2.4G -Ant4+6(Ant6) |          | 5mm         | -55                    | 44.7  | -203   |                  |
| FR1 n41-Ant0           | Back     | 5mm         | -50.2                  | -84   | -204   | 142.3            |
| WLAN5G -Ant5+4(Ant5)   |          | 5mm         | -55                    | 58.2  | -203.4 |                  |
| FR1 n41-Ant0           | Back     | 5mm         | -50.2                  | -84   | -204   | 167.3            |

|                        |      |     |       |      |      |       |
|------------------------|------|-----|-------|------|------|-------|
| WLAN6G -Ant5+4(Ant5)   |      | 5mm | -42   | 83.1 | -203 |       |
| FR1 n41-Ant0           | Back | 5mm | -50.2 | -84  | -204 | 172.3 |
| BT -Ant4               |      | 5mm | -5    | 82.3 | -203 |       |
| FR1 n41-Ant0           | Back | 5mm | -50.2 | -84  | -204 | 127.3 |
| BT -Ant6               |      | 5mm | -55   | 43.2 | -203 |       |
| FR1 n41-Ant0           | Back | 5mm | -50.2 | -84  | -204 | 171.0 |
| WLAN2.4G -Ant4+6(Ant4) |      | 5mm | -2.3  | 80.1 | -203 |       |
| FR1 n41-Ant0           | Back | 5mm | -50.2 | -84  | -204 | 168.0 |
| WLAN5G Ant5+4(Ant4 )   |      | 5mm | -10.5 | 79.2 | -203 |       |
| FR1 n41-Ant0           | Back | 5mm | -50.2 | -84  | -204 | 163.0 |
| WLAN6G Ant5+4(Ant4 )   |      | 5mm | -15   | 75.1 | -203 |       |

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

| Simultaneous | Position | minimum<br>3D distance (mm) |
|--------------|----------|-----------------------------|
| WWAN+WLAN+BT | Back 5mm | 120.1                       |

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

### **General Note:**

1. This device implements impedance tuner (144 states) antenna tuning techniques in the LTE Band 5/7/12/13/14/17/26/30/38/41, and 5GNR n5/7/12/14/26/30/41 for ANT0.
2. This device implements impedance tuner (144 states) antenna tuning techniques in the LTE Band 2/4/5/7/12/13/14/17/25/26/30/38/41/66/71, and 5GNR n2/5/7/12/14/25/26/30/41/66/71 for ANT1.
3. LTE B17 / B5 / B4 / B2 / B38 SAR test was covered by LTE B12 / B26 / B66 / B25 / B41; according to April 2015 TCB workshop, SAR test for overlapping LTE bands can be reduced.
4. 5GNR n26 / n25 SAR test was covered by 5GNR n5 / n2; according to April 2015 TCB workshop, SAR test for overlapping NR bands can be reduced.
5. Per 2019, April TCBC Workshop titled "RF Exposure Procedures", the following test procedure was followed to demonstrate that the SAR results in this report represent the appropriate SAR test conditions.
  - 1) SAR is measured according to required procedures with dynamic tuner active allowing device to automatically tune. Auto-tune state determined by device during normal SAR measurement verified and listed alongside the reported SAR results.
  - 2) Total number tuner states divided evenly among each supported band / air interface and exposure condition combination.
  - 3) The tuner state was established remotely through Wi-Fi so that the device is not moved for the entire series of single point SAR for the tuner states in each combination (band, mode, exposure conditions).
  - 4) Single point measurements performed at the peak SAR location of the highest measured SAR configuration for each combination. SAR probe remains stationary throughout the entire series of single point measurements for each combination.
  - 5) If any single point SAR measurement result is  $> 1.2$  W/kg for 1gSAR (or  $> 3.0$  W/kg for 10gSAR) for a band/exposure condition combination set, all supported tuner states are evaluated with single point SAR measurements for the combination.
6. The above test procedures were followed to demonstrate that the SAR results in Section 16 represented the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR will be measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements will be evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values.
7. To evaluate all of the tuner states, the 144 tuner states for ANT0 and ANT1 is divided evenly among band, mode and exposure combinations so that at least one single point SAR measurement is measured in each configuration. Single point time-sweep measurements will be performed at the peak SAR location determined by the zoom scan of the configuration with the highest reported SAR for each combination. The tuner state will be established remotely so that the device is not moved for the entire series of single point SAR for the tuner states in each combination. The SAR probe will remain stationary at the same position throughout the entire series of single point measurements for each combination. When the single point SAR or 10g SAR was  $> 3.0$  W/kg for a particular band / mode / exposure condition, point SAR measurements were made for all 144 tuner states.
8. According to KDB 648474 D04 v01r03, in order to reduce the number of SAR tests required to demonstrate compliance for the numerous tuning states, certain SAR screening procedures were considered to identify the higher SAR between body-worn and hotspot scenarios that need normally required SAR measurements and allow SAR test reduction for the lower SAR conditions.
9. According to KDB 648474 D04 v01r03, this design will provide the highest power at different user scenarios and would not influence to the antenna characteristics other than impedance matching. The additional tuner hardware has no influence to the antenna characteristics, other than impedance matching.
10. The operational decryption contains more information about the design and implementation of the dynamic antenna tuning.
11. 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.

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

## **19. Uncertainty Assessment**

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

## **20. References**

- [1] FCC 47 CFR Part 2 "Frequency Allocations and Radio Treaty Matters; General Rules and Regulations"
- [2] ANSI/IEEE Std. C95.1-1992, "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz", September 1992
- [3] IEEE Std. 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", Sep 2013
- [4] SPEAG DASY System Handbook
- [5] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [6] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.
- [7] FCC KDB 648474 D04 v01r03, "SAR Evaluation Considerations for Wireless Handsets", Oct 2015.
- [8] FCC KDB 248227 D01 v02r02, "SAR Guidance for IEEE 802.11 (WiFi) Transmitters", Oct 2015.
- [9] FCC KDB 616217 D04 v01r02, "SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers", Oct 2015
- [10] FCC KDB 941225 D01 v03r01, "3G SAR MEAUREMENT PROCEDURES", Oct 2015
- [11] FCC KDB 941225 D05 v02r05, "SAR Evaluation Considerations for LTE Devices", Dec 2015
- [12] FCC KDB 941225 D05A v01r02, "Rel. 10 LTE SAR Test Guidance and KDB Inquiries", Oct 2015
- [13] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.
- [14] FCC KDB 447498 D01 v06, "Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies", Oct 2015

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