

|                 |       |    |    |        |        |       |         |        |                           |             |
|-----------------|-------|----|----|--------|--------|-------|---------|--------|---------------------------|-------------|
| 10              | QPSK  | 25 | 0  | 18.93  | 19.09  | 18.89 | 18.74   | 18.71  | 19.5                      | 0           |
| 10              | QPSK  | 25 | 12 | 19.02  | 19.09  | 18.90 | 18.77   | 18.84  |                           |             |
| 10              | QPSK  | 25 | 25 | 18.91  | 19.04  | 18.88 | 18.72   | 18.69  |                           |             |
| 10              | QPSK  | 50 | 0  | 18.98  | 19.11  | 18.95 | 18.80   | 18.89  |                           |             |
| 10              | 16QAM | 1  | 0  | 18.97  | 19.11  | 18.85 | 18.76   | 18.68  | 19.5                      | 0           |
| 10              | 16QAM | 1  | 25 | 18.83  | 19.00  | 18.77 | 18.66   | 18.62  |                           |             |
| 10              | 16QAM | 1  | 49 | 18.82  | 18.98  | 18.79 | 18.69   | 18.67  |                           |             |
| 10              | 16QAM | 25 | 0  | 18.76  | 18.88  | 18.66 | 18.55   | 18.53  | 19.5                      | 0           |
| 10              | 16QAM | 25 | 12 | 18.76  | 18.88  | 18.70 | 18.57   | 18.54  |                           |             |
| 10              | 16QAM | 25 | 25 | 18.71  | 18.83  | 18.63 | 18.48   | 18.50  |                           |             |
| 10              | 16QAM | 50 | 0  | 18.74  | 18.87  | 18.69 | 18.57   | 18.59  |                           |             |
| 10              | 64QAM | 1  | 0  | 18.62  | 18.92  | 18.68 | 18.61   | 18.50  | 19.5                      | 0           |
| 10              | 64QAM | 1  | 25 | 18.56  | 18.91  | 18.62 | 18.58   | 18.53  |                           |             |
| 10              | 64QAM | 1  | 49 | 18.50  | 18.80  | 18.65 | 18.49   | 18.52  |                           |             |
| 10              | 64QAM | 25 | 0  | 19.19  | 19.01  | 19.02 | 18.89   | 18.88  | 19.5                      | 0           |
| 10              | 64QAM | 25 | 12 | 19.00  | 19.05  | 19.05 | 18.89   | 18.90  |                           |             |
| 10              | 64QAM | 25 | 25 | 18.95  | 19.11  | 18.97 | 18.84   | 18.85  |                           |             |
| 10              | 64QAM | 50 | 0  | 18.97  | 19.05  | 19.01 | 18.87   | 18.87  |                           |             |
| Channel         |       |    |    | 39675  | 40148  | 40620 | 41093   | 41565  | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |       |    |    | 2498.5 | 2545.8 | 2593  | 2640.30 | 2687.5 |                           |             |
| 5               | QPSK  | 1  | 0  | 18.82  | 18.97  | 18.83 | 18.60   | 18.66  | 19.5                      | 0           |
| 5               | QPSK  | 1  | 12 | 18.87  | 18.82  | 18.83 | 18.67   | 18.62  |                           |             |
| 5               | QPSK  | 1  | 24 | 18.82  | 18.98  | 18.78 | 18.59   | 18.57  |                           |             |
| 5               | QPSK  | 12 | 0  | 18.97  | 19.09  | 18.89 | 18.68   | 18.79  | 19.5                      | 0           |
| 5               | QPSK  | 12 | 7  | 19.00  | 19.14  | 18.93 | 18.73   | 18.84  |                           |             |
| 5               | QPSK  | 12 | 13 | 18.97  | 19.10  | 18.91 | 18.77   | 18.86  |                           |             |
| 5               | QPSK  | 25 | 0  | 18.99  | 19.10  | 18.91 | 18.68   | 18.82  |                           |             |
| 5               | 16QAM | 1  | 0  | 18.90  | 19.05  | 18.85 | 18.70   | 18.70  | 19.5                      | 0           |
| 5               | 16QAM | 1  | 12 | 18.94  | 19.12  | 18.87 | 18.74   | 18.75  |                           |             |
| 5               | 16QAM | 1  | 24 | 18.95  | 19.09  | 18.86 | 18.79   | 18.71  |                           |             |
| 5               | 16QAM | 12 | 0  | 18.73  | 18.87  | 18.61 | 18.44   | 18.47  | 19.5                      | 0           |
| 5               | 16QAM | 12 | 7  | 18.77  | 18.89  | 18.67 | 18.44   | 18.49  |                           |             |
| 5               | 16QAM | 12 | 13 | 18.74  | 18.87  | 18.66 | 18.51   | 18.47  |                           |             |
| 5               | 16QAM | 25 | 0  | 18.78  | 18.89  | 18.69 | 18.50   | 18.54  |                           |             |
| 5               | 64QAM | 1  | 0  | 18.73  | 18.90  | 18.73 | 18.57   | 18.62  | 19.5                      | 0           |
| 5               | 64QAM | 1  | 12 | 18.70  | 18.96  | 18.70 | 18.62   | 18.61  |                           |             |
| 5               | 64QAM | 1  | 24 | 18.71  | 19.01  | 18.78 | 18.65   | 18.64  |                           |             |
| 5               | 64QAM | 12 | 0  | 19.00  | 19.10  | 18.97 | 18.83   | 18.85  | 19.5                      | 0           |
| 5               | 64QAM | 12 | 7  | 19.03  | 19.02  | 19.02 | 18.85   | 18.86  |                           |             |
| 5               | 64QAM | 12 | 13 | 19.01  | 19.05  | 19.02 | 18.87   | 18.84  |                           |             |
| 5               | 64QAM | 25 | 0  | 19.04  | 19.16  | 19.04 | 18.83   | 18.88  |                           |             |

**<LTE Band 41 Power Class 2>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|------------------------------|--------------------------|-------------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 39750                 | 40185                        | 40620                    | 41055                         | 41490                  | 19.5                | 0        |
| Frequency (MHz) |            |         |           | 2506                  | 2549.5                       | 2593                     | 2636.5                        | 2680                   |                     |          |
| 20              | QPSK       | 1       | 0         | 19.07                 | 19.13                        | 18.98                    | 18.98                         | 19.13                  |                     |          |
| 20              | QPSK       | 1       | 49        | 19.02                 | 19.11                        | 18.93                    | 19.04                         | 19.39                  | 19.5                | 0        |
| 20              | QPSK       | 1       | 99        | 19.03                 | 19.07                        | 18.93                    | 18.96                         | 19.01                  |                     |          |
| 20              | QPSK       | 50      | 0         | 19.32                 | 19.37                        | 19.18                    | 19.16                         | 19.07                  |                     |          |
| 20              | QPSK       | 50      | 24        | 19.33                 | 19.29                        | 19.26                    | 19.13                         | 19.38                  | 19.5                | 0        |
| 20              | QPSK       | 50      | 50        | 19.30                 | 19.31                        | 19.24                    | 19.05                         | 19.23                  |                     |          |
| 20              | QPSK       | 100     | 0         | 19.31                 | 19.34                        | 19.18                    | 19.15                         | 19.38                  |                     |          |
| 20              | 16QAM      | 1       | 0         | 19.36                 | 19.38                        | 19.12                    | 19.20                         | 18.98                  | 19.5                | 0        |
| 20              | 16QAM      | 1       | 49        | 19.19                 | 19.28                        | 19.18                    | 19.14                         | 19.09                  |                     |          |
| 20              | 16QAM      | 1       | 99        | 19.24                 | 19.29                        | 19.15                    | 18.95                         | 19.34                  |                     |          |
| 20              | 16QAM      | 50      | 0         | 19.31                 | 19.38                        | 19.17                    | 19.24                         | 19.10                  | 19.5                | 0        |
| 20              | 16QAM      | 50      | 24        | 19.31                 | 19.36                        | 19.26                    | 19.13                         | 19.15                  |                     |          |
| 20              | 16QAM      | 50      | 50        | 19.35                 | 19.30                        | 19.26                    | 19.04                         | 19.22                  |                     |          |
| 20              | 16QAM      | 100     | 0         | 19.29                 | 19.28                        | 19.21                    | 19.09                         | 19.10                  | 19.5                | 0        |
| 20              | 64QAM      | 1       | 0         | 19.21                 | 19.22                        | 19.01                    | 19.11                         | 18.92                  |                     |          |
| 20              | 64QAM      | 1       | 49        | 19.09                 | 19.25                        | 19.13                    | 19.08                         | 19.06                  |                     |          |
| 20              | 64QAM      | 1       | 99        | 19.08                 | 19.26                        | 19.09                    | 18.90                         | 19.25                  | 19.5                | 0        |
| 20              | 64QAM      | 50      | 0         | 19.23                 | 18.91                        | 19.17                    | 19.16                         | 19.05                  |                     |          |
| 20              | 64QAM      | 50      | 24        | 19.29                 | 19.20                        | 19.23                    | 19.15                         | 19.16                  |                     |          |
| 20              | 64QAM      | 50      | 50        | 19.29                 | 19.25                        | 19.22                    | 19.16                         | 19.23                  | 19.5                | 0        |
| 20              | 64QAM      | 100     | 0         | 19.21                 | 19.26                        | 19.20                    | 19.17                         | 19.14                  |                     |          |
| Channel         |            |         |           | 39725                 | 40173                        | 40620                    | 41068                         | 41515                  | 19.5                | 0        |
| Frequency (MHz) |            |         |           | 2503.5                | 2548.3                       | 2593                     | 2637.8                        | 2682.5                 |                     |          |
| 15              | QPSK       | 1       | 0         | 19.10                 | 19.17                        | 18.98                    | 18.92                         | 18.75                  |                     |          |
| 15              | QPSK       | 1       | 37        | 19.10                 | 19.25                        | 19.04                    | 18.92                         | 18.94                  | 19.5                | 0        |
| 15              | QPSK       | 1       | 74        | 19.07                 | 19.10                        | 18.98                    | 18.77                         | 19.02                  |                     |          |
| 15              | QPSK       | 36      | 0         | 19.26                 | 19.34                        | 19.16                    | 19.11                         | 19.00                  | 19.5                | 0        |
| 15              | QPSK       | 36      | 20        | 19.25                 | 19.36                        | 19.23                    | 19.07                         | 19.10                  |                     |          |
| 15              | QPSK       | 36      | 39        | 19.28                 | 19.30                        | 19.21                    | 19.03                         | 19.07                  |                     |          |
| 15              | QPSK       | 75      | 0         | 19.28                 | 19.34                        | 19.21                    | 19.07                         | 19.14                  | 19.5                | 0        |
| 15              | 16QAM      | 1       | 0         | 19.35                 | 19.37                        | 19.15                    | 19.19                         | 18.97                  |                     |          |
| 15              | 16QAM      | 1       | 37        | 19.25                 | 19.28                        | 19.19                    | 19.14                         | 19.10                  |                     |          |
| 15              | 16QAM      | 1       | 74        | 19.23                 | 19.26                        | 19.21                    | 19.02                         | 19.26                  | 19.5                | 0        |
| 15              | 16QAM      | 36      | 0         | 19.20                 | 19.30                        | 19.13                    | 19.07                         | 19.12                  |                     |          |
| 15              | 16QAM      | 36      | 20        | 19.26                 | 19.34                        | 19.26                    | 19.04                         | 19.09                  |                     |          |
| 15              | 16QAM      | 36      | 39        | 19.29                 | 19.27                        | 19.16                    | 18.99                         | 19.13                  | 19.5                | 0        |
| 15              | 16QAM      | 75      | 0         | 19.26                 | 19.32                        | 19.20                    | 19.03                         | 19.08                  |                     |          |
| 15              | 64QAM      | 1       | 0         | 19.17                 | 19.20                        | 19.08                    | 19.13                         | 18.89                  |                     |          |
| 15              | 64QAM      | 1       | 37        | 19.06                 | 19.21                        | 19.17                    | 19.11                         | 19.05                  | 19.5                | 0        |
| 15              | 64QAM      | 1       | 74        | 19.09                 | 19.23                        | 19.13                    | 18.96                         | 19.17                  |                     |          |
| 15              | 64QAM      | 36      | 0         | 19.16                 | 19.22                        | 19.14                    | 19.10                         | 19.00                  |                     |          |
| 15              | 64QAM      | 36      | 20        | 19.25                 | 19.06                        | 19.20                    | 19.01                         | 19.09                  | 19.5                | 0        |
| 15              | 64QAM      | 36      | 39        | 19.22                 | 19.29                        | 19.17                    | 19.01                         | 19.14                  |                     |          |
| 15              | 64QAM      | 75      | 0         | 19.20                 | 19.27                        | 19.20                    | 19.07                         | 19.05                  |                     |          |
| Channel         |            |         |           | 39700                 | 40160                        | 40620                    | 41080                         | 41540                  | 19.5                | 0        |
| Frequency (MHz) |            |         |           | 2501                  | 2547                         | 2593                     | 2639                          | 2685                   |                     |          |
| 10              | QPSK       | 1       | 0         | 18.88                 | 19.01                        | 18.81                    | 18.68                         | 18.67                  |                     |          |
| 10              | QPSK       | 1       | 25        | 18.88                 | 19.00                        | 18.85                    | 18.69                         | 18.70                  | 19.5                | 0        |
| 10              | QPSK       | 1       | 49        | 18.91                 | 18.99                        | 18.82                    | 18.66                         | 18.69                  |                     |          |

|                 |       |    |    |        |        |       |         |        |                           |             |
|-----------------|-------|----|----|--------|--------|-------|---------|--------|---------------------------|-------------|
| 10              | QPSK  | 25 | 0  | 19.11  | 19.25  | 19.05 | 18.91   | 18.93  | 19.5                      | 0           |
| 10              | QPSK  | 25 | 12 | 19.17  | 19.25  | 19.05 | 18.93   | 19.14  |                           |             |
| 10              | QPSK  | 25 | 25 | 19.10  | 19.21  | 19.00 | 18.87   | 18.91  |                           |             |
| 10              | QPSK  | 50 | 0  | 19.13  | 19.26  | 19.10 | 18.93   | 18.97  |                           |             |
| 10              | 16QAM | 1  | 0  | 19.18  | 19.30  | 19.06 | 18.98   | 18.95  | 19.5                      | 0           |
| 10              | 16QAM | 1  | 25 | 19.10  | 19.26  | 19.04 | 18.95   | 18.91  |                           |             |
| 10              | 16QAM | 1  | 49 | 19.07  | 19.23  | 19.02 | 18.95   | 18.93  |                           |             |
| 10              | 16QAM | 25 | 0  | 19.12  | 19.31  | 19.05 | 18.97   | 18.97  | 19.5                      | 0           |
| 10              | 16QAM | 25 | 12 | 19.13  | 19.32  | 19.10 | 18.97   | 18.97  |                           |             |
| 10              | 16QAM | 25 | 25 | 19.08  | 19.26  | 19.05 | 18.94   | 18.93  |                           |             |
| 10              | 16QAM | 50 | 0  | 19.10  | 19.29  | 19.07 | 18.96   | 18.97  |                           |             |
| 10              | 64QAM | 1  | 0  | 18.98  | 19.22  | 18.97 | 18.90   | 18.88  | 19.5                      | 0           |
| 10              | 64QAM | 1  | 25 | 18.95  | 19.18  | 18.96 | 18.88   | 18.90  |                           |             |
| 10              | 64QAM | 1  | 49 | 18.91  | 19.15  | 18.94 | 18.86   | 18.87  |                           |             |
| 10              | 64QAM | 25 | 0  | 19.10  | 19.28  | 19.11 | 19.00   | 18.95  | 19.5                      | 0           |
| 10              | 64QAM | 25 | 12 | 19.09  | 19.30  | 19.10 | 18.98   | 18.98  |                           |             |
| 10              | 64QAM | 25 | 25 | 19.04  | 19.26  | 19.08 | 18.98   | 18.98  |                           |             |
| 10              | 64QAM | 50 | 0  | 19.04  | 19.30  | 19.07 | 18.95   | 18.96  |                           |             |
| Channel         |       |    |    | 39675  | 40148  | 40620 | 41093   | 41565  | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |       |    |    | 2498.5 | 2545.8 | 2593  | 2640.30 | 2687.5 |                           |             |
| 5               | QPSK  | 1  | 0  | 18.94  | 19.05  | 18.87 | 18.68   | 18.77  | 19.5                      | 0           |
| 5               | QPSK  | 1  | 12 | 18.97  | 19.10  | 18.88 | 18.75   | 18.74  |                           |             |
| 5               | QPSK  | 1  | 24 | 18.96  | 19.05  | 18.86 | 18.72   | 18.71  |                           |             |
| 5               | QPSK  | 12 | 0  | 19.12  | 19.27  | 19.08 | 18.85   | 19.03  | 19.5                      | 0           |
| 5               | QPSK  | 12 | 7  | 19.18  | 19.30  | 19.11 | 18.88   | 18.98  |                           |             |
| 5               | QPSK  | 12 | 13 | 19.15  | 19.29  | 19.11 | 18.94   | 18.96  |                           |             |
| 5               | QPSK  | 25 | 0  | 19.13  | 19.25  | 19.05 | 18.85   | 19.02  |                           |             |
| 5               | 16QAM | 1  | 0  | 19.15  | 19.30  | 19.12 | 18.95   | 18.96  | 19.5                      | 0           |
| 5               | 16QAM | 1  | 12 | 19.23  | 19.36  | 19.09 | 19.02   | 18.94  |                           |             |
| 5               | 16QAM | 1  | 24 | 19.15  | 19.38  | 19.14 | 19.00   | 18.99  |                           |             |
| 5               | 16QAM | 12 | 0  | 19.12  | 19.29  | 19.08 | 18.98   | 18.93  | 19.5                      | 0           |
| 5               | 16QAM | 12 | 7  | 19.17  | 19.37  | 19.14 | 18.93   | 18.97  |                           |             |
| 5               | 16QAM | 12 | 13 | 19.13  | 19.35  | 19.08 | 18.93   | 18.95  |                           |             |
| 5               | 16QAM | 25 | 0  | 19.16  | 19.31  | 19.06 | 18.95   | 18.94  |                           |             |
| 5               | 64QAM | 1  | 0  | 19.03  | 19.19  | 19.05 | 18.89   | 18.93  | 19.5                      | 0           |
| 5               | 64QAM | 1  | 12 | 19.02  | 19.25  | 19.05 | 18.93   | 18.91  |                           |             |
| 5               | 64QAM | 1  | 24 | 19.06  | 19.24  | 19.05 | 18.97   | 18.95  |                           |             |
| 5               | 64QAM | 12 | 0  | 19.08  | 19.28  | 19.10 | 18.88   | 18.96  | 19.5                      | 0           |
| 5               | 64QAM | 12 | 7  | 19.10  | 19.30  | 19.13 | 18.97   | 18.99  |                           |             |
| 5               | 64QAM | 12 | 13 | 19.08  | 19.28  | 19.12 | 18.96   | 18.98  |                           |             |
| 5               | 64QAM | 25 | 0  | 19.11  | 19.28  | 19.15 | 18.92   | 18.98  |                           |             |

**<LTE Band 48>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|------------------------------|-------------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 55340                 | 55830                        | 56150                         | 56640                  |                     |          |
| Frequency (MHz) |            |         |           | 3560                  | 3609                         | 3641                          | 3690                   |                     |          |
| 20              | QPSK       | 1       | 0         | 16.74                 | 16.94                        | 16.69                         | 16.65                  | 17                  | 0        |
| 20              | QPSK       | 1       | 49        | 16.57                 | 16.75                        | 16.66                         | 16.63                  |                     |          |
| 20              | QPSK       | 1       | 99        | 16.72                 | 16.74                        | 16.68                         | 16.65                  |                     |          |
| 20              | QPSK       | 50      | 0         | 16.58                 | 16.91                        | 16.80                         | 16.76                  |                     |          |
| 20              | QPSK       | 50      | 24        | 16.57                 | 16.87                        | 16.66                         | 16.72                  | 17                  | 0        |
| 20              | QPSK       | 50      | 50        | 16.56                 | 16.62                        | 16.71                         | 16.60                  |                     |          |
| 20              | QPSK       | 100     | 0         | 16.54                 | 16.90                        | 16.83                         | 16.67                  |                     |          |
| 20              | 16QAM      | 1       | 0         | 16.54                 | 16.73                        | 16.64                         | 16.71                  |                     |          |
| 20              | 16QAM      | 1       | 49        | 16.52                 | 16.65                        | 16.58                         | 16.67                  | 17                  | 0        |
| 20              | 16QAM      | 1       | 99        | 16.50                 | 16.72                        | 16.52                         | 16.71                  |                     |          |
| 20              | 16QAM      | 50      | 0         | 16.47                 | 16.78                        | 16.55                         | 16.90                  |                     |          |
| 20              | 16QAM      | 50      | 24        | 16.54                 | 16.44                        | 16.63                         | 16.92                  |                     |          |
| 20              | 16QAM      | 50      | 50        | 16.52                 | 16.47                        | 16.72                         | 16.93                  | 17                  | 0        |
| 20              | 16QAM      | 100     | 0         | 16.54                 | 16.54                        | 16.67                         | 16.93                  |                     |          |
| 20              | 64QAM      | 1       | 0         | 16.65                 | 16.64                        | 16.73                         | 16.61                  |                     |          |
| 20              | 64QAM      | 1       | 49        | 16.65                 | 16.48                        | 16.58                         | 16.65                  |                     |          |
| 20              | 64QAM      | 1       | 99        | 16.62                 | 16.41                        | 16.54                         | 16.70                  | 17                  | 0        |
| 20              | 64QAM      | 50      | 0         | 16.57                 | 16.64                        | 16.47                         | 16.82                  |                     |          |
| 20              | 64QAM      | 50      | 24        | 16.47                 | 16.75                        | 16.42                         | 16.75                  |                     |          |
| 20              | 64QAM      | 50      | 50        | 16.37                 | 16.63                        | 16.41                         | 16.86                  |                     |          |
| 20              | 64QAM      | 100     | 0         | 16.41                 | 16.42                        | 16.64                         | 16.81                  |                     |          |
| Channel         |            |         |           | 55315                 | 55820                        | 56160                         | 56665                  |                     |          |
| Frequency (MHz) |            |         |           | 3557.5                | 3608                         | 3642                          | 3692.5                 | Tune-up limit (dBm) | MPR (dB) |
| 15              | QPSK       | 1       | 0         | 16.41                 | 16.64                        | 16.60                         | 16.62                  | 17                  | 0        |
| 15              | QPSK       | 1       | 37        | 16.37                 | 16.73                        | 16.63                         | 16.64                  |                     |          |
| 15              | QPSK       | 1       | 74        | 16.44                 | 16.57                        | 16.64                         | 16.57                  |                     |          |
| 15              | QPSK       | 36      | 0         | 16.55                 | 16.73                        | 16.72                         | 16.46                  |                     |          |
| 15              | QPSK       | 36      | 20        | 16.53                 | 16.67                        | 16.73                         | 16.35                  | 17                  | 0        |
| 15              | QPSK       | 36      | 39        | 16.64                 | 16.58                        | 16.54                         | 16.34                  |                     |          |
| 15              | QPSK       | 75      | 0         | 16.55                 | 16.47                        | 16.58                         | 16.65                  |                     |          |
| 15              | 16QAM      | 1       | 0         | 16.62                 | 16.41                        | 16.47                         | 16.63                  |                     |          |
| 15              | 16QAM      | 1       | 37        | 16.47                 | 16.51                        | 16.38                         | 16.36                  | 17                  | 0        |
| 15              | 16QAM      | 1       | 74        | 16.41                 | 16.58                        | 16.55                         | 16.31                  |                     |          |
| 15              | 16QAM      | 36      | 0         | 16.37                 | 16.66                        | 16.57                         | 16.35                  |                     |          |
| 15              | 16QAM      | 36      | 20        | 16.45                 | 16.52                        | 16.53                         | 16.44                  |                     |          |
| 15              | 16QAM      | 36      | 39        | 16.46                 | 16.72                        | 16.52                         | 16.51                  | 17                  | 0        |
| 15              | 16QAM      | 75      | 0         | 16.37                 | 16.64                        | 16.63                         | 16.72                  |                     |          |
| 15              | 64QAM      | 1       | 0         | 16.54                 | 16.52                        | 16.54                         | 16.66                  |                     |          |
| 15              | 64QAM      | 1       | 37        | 16.53                 | 16.57                        | 16.37                         | 16.73                  |                     |          |
| 15              | 64QAM      | 1       | 74        | 16.57                 | 16.56                        | 16.37                         | 16.57                  | 17                  | 0        |
| 15              | 64QAM      | 36      | 0         | 16.64                 | 16.52                        | 16.34                         | 16.55                  |                     |          |
| 15              | 64QAM      | 36      | 20        | 16.63                 | 16.55                        | 16.47                         | 16.70                  |                     |          |
| 15              | 64QAM      | 36      | 39        | 16.57                 | 16.67                        | 16.49                         | 16.63                  |                     |          |
| 15              | 64QAM      | 75      | 0         | 16.56                 | 16.47                        | 16.56                         | 16.44                  |                     |          |
| Channel         |            |         |           | 55290                 | 55815                        | 56165                         | 56690                  |                     |          |
| Frequency (MHz) |            |         |           | 3555                  | 3607.5                       | 3642.5                        | 3695                   | Tune-up limit (dBm) | MPR (dB) |
| 10              | QPSK       | 1       | 0         | 16.62                 | 16.70                        | 16.53                         | 16.34                  | 17                  | 0        |
| 10              | QPSK       | 1       | 25        | 16.60                 | 16.39                        | 16.49                         | 16.51                  |                     |          |
| 10              | QPSK       | 1       | 49        | 16.33                 | 16.71                        | 16.52                         | 16.50                  |                     |          |
| 10              | QPSK       | 25      | 0         | 16.28                 | 16.54                        | 16.64                         | 16.54                  |                     |          |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

|                 |       |    |    |        |       |       |        |                           |             |
|-----------------|-------|----|----|--------|-------|-------|--------|---------------------------|-------------|
| 10              | QPSK  | 25 | 12 | 16.32  | 16.63 | 16.44 | 16.43  |                           |             |
| 10              | QPSK  | 25 | 25 | 16.41  | 16.65 | 16.63 | 16.50  |                           |             |
| 10              | QPSK  | 50 | 0  | 16.48  | 16.70 | 16.49 | 16.61  |                           |             |
| 10              | 16QAM | 1  | 0  | 16.69  | 16.50 | 16.69 | 16.52  | 17                        | 0           |
| 10              | 16QAM | 1  | 25 | 16.63  | 16.59 | 16.61 | 16.59  |                           |             |
| 10              | 16QAM | 1  | 49 | 16.70  | 16.60 | 16.49 | 16.44  |                           |             |
| 10              | 16QAM | 25 | 0  | 16.54  | 16.54 | 16.54 | 16.60  | 17                        | 0           |
| 10              | 16QAM | 25 | 12 | 16.52  | 16.52 | 16.64 | 16.54  |                           |             |
| 10              | 16QAM | 25 | 25 | 16.67  | 16.70 | 16.55 | 16.53  |                           |             |
| 10              | 16QAM | 50 | 0  | 16.60  | 16.69 | 16.44 | 16.38  | 17                        | 0           |
| 10              | 64QAM | 1  | 0  | 16.41  | 16.54 | 16.38 | 16.34  |                           |             |
| 10              | 64QAM | 1  | 25 | 16.59  | 16.62 | 16.48 | 16.41  |                           |             |
| 10              | 64QAM | 1  | 49 | 16.61  | 16.58 | 16.55 | 16.52  | 17                        | 0           |
| 10              | 64QAM | 25 | 0  | 16.54  | 16.51 | 16.61 | 16.44  |                           |             |
| 10              | 64QAM | 25 | 12 | 16.43  | 16.52 | 16.70 | 16.38  |                           |             |
| 10              | 64QAM | 25 | 25 | 16.32  | 16.44 | 16.54 | 16.34  | 17                        | 0           |
| 10              | 64QAM | 50 | 0  | 16.31  | 16.38 | 16.70 | 16.59  |                           |             |
| Channel         |       |    |    | 55265  | 55810 | 56170 | 56715  | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |       |    |    | 3552.5 | 3607  | 3643  | 3697.5 |                           |             |
| 5               | QPSK  | 1  | 0  | 16.38  | 16.74 | 16.69 | 16.66  | 17                        | 0           |
| 5               | QPSK  | 1  | 12 | 16.41  | 16.80 | 16.80 | 16.69  |                           |             |
| 5               | QPSK  | 1  | 24 | 16.48  | 16.85 | 16.84 | 16.68  |                           |             |
| 5               | QPSK  | 12 | 0  | 16.58  | 16.77 | 16.84 | 16.70  | 17                        | 0           |
| 5               | QPSK  | 12 | 7  | 16.42  | 16.58 | 16.61 | 16.85  |                           |             |
| 5               | QPSK  | 12 | 13 | 16.35  | 16.52 | 16.65 | 16.81  |                           |             |
| 5               | QPSK  | 25 | 0  | 16.58  | 16.46 | 16.61 | 16.84  | 17                        | 0           |
| 5               | 16QAM | 1  | 0  | 16.69  | 16.49 | 16.74 | 16.67  |                           |             |
| 5               | 16QAM | 1  | 12 | 16.57  | 16.36 | 16.66 | 16.59  |                           |             |
| 5               | 16QAM | 1  | 24 | 16.36  | 16.35 | 16.72 | 16.81  | 17                        | 0           |
| 5               | 16QAM | 12 | 0  | 16.50  | 16.58 | 16.73 | 16.66  |                           |             |
| 5               | 16QAM | 12 | 7  | 16.37  | 16.41 | 16.55 | 16.65  |                           |             |
| 5               | 16QAM | 12 | 13 | 16.39  | 16.60 | 16.59 | 16.65  | 17                        | 0           |
| 5               | 16QAM | 25 | 0  | 16.35  | 16.60 | 16.64 | 16.76  |                           |             |
| 5               | 64QAM | 1  | 0  | 16.58  | 16.62 | 16.65 | 16.74  |                           |             |
| 5               | 64QAM | 1  | 12 | 16.49  | 16.61 | 16.61 | 16.68  | 17                        | 0           |
| 5               | 64QAM | 1  | 24 | 16.57  | 16.67 | 16.65 | 16.79  |                           |             |
| 5               | 64QAM | 12 | 0  | 16.48  | 16.52 | 16.73 | 16.31  |                           |             |
| 5               | 64QAM | 12 | 7  | 16.52  | 16.48 | 16.71 | 16.66  | 17                        | 0           |
| 5               | 64QAM | 12 | 13 | 16.41  | 16.66 | 16.59 | 16.69  |                           |             |
| 5               | 64QAM | 25 | 0  | 16.49  | 16.57 | 16.64 | 16.68  |                           |             |



<Reduced power mode 2 for At-Head with 2.4GHz Wifi>

<UAT>

<LTE Band 38>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| Channel         |            |         |           | 37850                    | 38000                       | 38150                     |                        |             |
| Frequency (MHz) |            |         |           | 2580                     | 2595                        | 2610                      |                        |             |
| 20              | QPSK       | 1       | 0         | 18.71                    | 18.46                       | 18.50                     |                        |             |
| 20              | QPSK       | 1       | 49        | 18.62                    | 18.42                       | 18.42                     | 19                     | 0           |
| 20              | QPSK       | 1       | 99        | 18.66                    | 18.42                       | 18.36                     |                        |             |
| 20              | QPSK       | 50      | 0         | 18.60                    | 18.67                       | 18.65                     |                        |             |
| 20              | QPSK       | 50      | 24        | 18.68                    | 18.65                       | 18.67                     | 19                     | 0           |
| 20              | QPSK       | 50      | 50        | 18.60                    | 18.68                       | 18.66                     |                        |             |
| 20              | QPSK       | 100     | 0         | 18.68                    | 18.66                       | 18.62                     |                        |             |
| 20              | 16QAM      | 1       | 0         | 18.62                    | 18.67                       | 18.68                     | 19                     | 0           |
| 20              | 16QAM      | 1       | 49        | 18.57                    | 18.67                       | 18.61                     |                        |             |
| 20              | 16QAM      | 1       | 99        | 18.60                    | 18.64                       | 18.59                     |                        |             |
| 20              | 16QAM      | 50      | 0         | 18.60                    | 18.51                       | 18.67                     | 19                     | 0           |
| 20              | 16QAM      | 50      | 24        | 18.64                    | 18.51                       | 18.40                     |                        |             |
| 20              | 16QAM      | 50      | 50        | 18.62                    | 18.40                       | 18.66                     |                        |             |
| 20              | 16QAM      | 100     | 0         | 18.59                    | 18.65                       | 18.63                     | 19                     | 0           |
| 20              | 64QAM      | 1       | 0         | 18.62                    | 18.56                       | 18.61                     |                        |             |
| 20              | 64QAM      | 1       | 49        | 18.61                    | 18.55                       | 18.53                     |                        |             |
| 20              | 64QAM      | 1       | 99        | 18.63                    | 18.55                       | 18.54                     | 19                     | 0           |
| 20              | 64QAM      | 50      | 0         | 17.81                    | 17.72                       | 17.69                     |                        |             |
| 20              | 64QAM      | 50      | 24        | 17.88                    | 17.74                       | 17.72                     |                        |             |
| 20              | 64QAM      | 50      | 50        | 17.83                    | 17.71                       | 17.67                     | 19                     | 0           |
| 20              | 64QAM      | 100     | 0         | 17.92                    | 17.68                       | 17.67                     |                        |             |
| Channel         |            |         |           | 37825                    | 38000                       | 38175                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2577.5                   | 2595                        | 2612.5                    |                        |             |
| 15              | QPSK       | 1       | 0         | 18.56                    | 18.55                       | 18.55                     |                        |             |
| 15              | QPSK       | 1       | 37        | 18.53                    | 18.44                       | 18.42                     | 19                     | 0           |
| 15              | QPSK       | 1       | 74        | 18.51                    | 18.49                       | 18.39                     |                        |             |
| 15              | QPSK       | 36      | 0         | 18.61                    | 18.65                       | 18.64                     | 19                     | 0           |
| 15              | QPSK       | 36      | 20        | 18.64                    | 18.61                       | 18.65                     |                        |             |
| 15              | QPSK       | 36      | 39        | 18.56                    | 18.63                       | 18.60                     |                        |             |
| 15              | QPSK       | 75      | 0         | 18.62                    | 18.66                       | 18.64                     | 19                     | 0           |
| 15              | 16QAM      | 1       | 0         | 18.66                    | 18.52                       | 18.62                     |                        |             |
| 15              | 16QAM      | 1       | 37        | 18.59                    | 18.63                       | 18.60                     |                        |             |
| 15              | 16QAM      | 1       | 74        | 18.64                    | 18.65                       | 18.61                     | 19                     | 0           |
| 15              | 16QAM      | 36      | 0         | 18.62                    | 18.63                       | 18.63                     |                        |             |
| 15              | 16QAM      | 36      | 20        | 18.63                    | 18.62                       | 18.66                     |                        |             |
| 15              | 16QAM      | 36      | 39        | 18.61                    | 18.63                       | 18.59                     | 19                     | 0           |
| 15              | 16QAM      | 75      | 0         | 18.63                    | 18.65                       | 18.64                     |                        |             |
| 15              | 64QAM      | 1       | 0         | 18.61                    | 18.60                       | 18.61                     |                        |             |
| 15              | 64QAM      | 1       | 37        | 18.66                    | 18.52                       | 18.55                     | 19                     | 0           |
| 15              | 64QAM      | 1       | 74        | 18.63                    | 18.58                       | 18.55                     |                        |             |
| 15              | 64QAM      | 36      | 0         | 17.92                    | 17.66                       | 17.65                     |                        |             |
| 15              | 64QAM      | 36      | 20        | 17.96                    | 17.70                       | 17.70                     | 19                     | 0           |
| 15              | 64QAM      | 36      | 39        | 17.93                    | 17.66                       | 17.65                     |                        |             |
| 15              | 64QAM      | 75      | 0         | 17.91                    | 17.66                       | 17.65                     |                        |             |
| Channel         |            |         |           | 37800                    | 38000                       | 38200                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2575                     | 2595                        | 2615                      |                        |             |
| 10              | QPSK       | 1       | 0         | 18.46                    | 18.29                       | 18.27                     |                        |             |
| 10              | QPSK       | 1       | 25        | 18.56                    | 18.32                       | 18.28                     | 19                     | 0           |
| 10              | QPSK       | 1       | 49        | 18.52                    | 18.27                       | 18.24                     |                        |             |



# FCC SAR TEST REPORT

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|                 |       |    |    |        |       |        |                        |             |
|-----------------|-------|----|----|--------|-------|--------|------------------------|-------------|
| 10              | QPSK  | 25 | 0  | 18.40  | 18.42 | 18.43  | 19                     | 0           |
| 10              | QPSK  | 25 | 12 | 18.44  | 18.45 | 18.48  |                        |             |
| 10              | QPSK  | 25 | 25 | 18.42  | 18.45 | 18.45  |                        |             |
| 10              | QPSK  | 50 | 0  | 18.48  | 18.54 | 18.49  |                        |             |
| 10              | 16QAM | 1  | 0  | 18.44  | 18.46 | 18.54  | 19                     | 0           |
| 10              | 16QAM | 1  | 25 | 18.49  | 18.54 | 18.53  |                        |             |
| 10              | 16QAM | 1  | 49 | 18.43  | 18.51 | 18.53  |                        |             |
| 10              | 16QAM | 25 | 0  | 18.44  | 18.47 | 18.53  | 19                     | 0           |
| 10              | 16QAM | 25 | 12 | 18.47  | 18.52 | 18.51  |                        |             |
| 10              | 16QAM | 25 | 25 | 18.46  | 18.49 | 18.48  |                        |             |
| 10              | 16QAM | 50 | 0  | 18.46  | 18.50 | 18.50  |                        |             |
| 10              | 64QAM | 1  | 0  | 18.60  | 18.38 | 18.44  | 19                     | 0           |
| 10              | 64QAM | 1  | 25 | 18.63  | 18.41 | 18.46  |                        |             |
| 10              | 64QAM | 1  | 49 | 18.60  | 18.40 | 18.43  |                        |             |
| 10              | 64QAM | 25 | 0  | 17.75  | 17.54 | 17.56  | 19                     | 0           |
| 10              | 64QAM | 25 | 12 | 17.80  | 17.55 | 17.56  |                        |             |
| 10              | 64QAM | 25 | 25 | 17.80  | 17.64 | 17.58  |                        |             |
| 10              | 64QAM | 50 | 0  | 17.77  | 17.77 | 17.54  |                        |             |
| Channel         |       |    |    | 37775  | 38000 | 38225  | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |       |    |    | 2572.5 | 2595  | 2617.5 |                        |             |
| 5               | QPSK  | 1  | 0  | 18.32  | 18.37 | 18.39  | 19                     | 0           |
| 5               | QPSK  | 1  | 12 | 18.39  | 18.47 | 18.41  |                        |             |
| 5               | QPSK  | 1  | 24 | 18.36  | 18.35 | 18.31  |                        |             |
| 5               | QPSK  | 12 | 0  | 18.41  | 18.49 | 18.54  | 19                     | 0           |
| 5               | QPSK  | 12 | 7  | 18.52  | 18.49 | 18.58  |                        |             |
| 5               | QPSK  | 12 | 13 | 18.51  | 18.47 | 18.52  |                        |             |
| 5               | QPSK  | 25 | 0  | 18.51  | 18.52 | 18.55  |                        |             |
| 5               | 16QAM | 1  | 0  | 18.56  | 18.60 | 18.63  | 19                     | 0           |
| 5               | 16QAM | 1  | 12 | 18.61  | 18.54 | 18.54  |                        |             |
| 5               | 16QAM | 1  | 24 | 18.66  | 18.64 | 18.67  |                        |             |
| 5               | 16QAM | 12 | 0  | 18.41  | 18.49 | 18.59  | 19                     | 0           |
| 5               | 16QAM | 12 | 7  | 18.53  | 18.50 | 18.54  |                        |             |
| 5               | 16QAM | 12 | 13 | 18.49  | 18.47 | 18.55  |                        |             |
| 5               | 16QAM | 25 | 0  | 18.49  | 18.47 | 18.52  |                        |             |
| 5               | 64QAM | 1  | 0  | 18.62  | 18.36 | 18.35  | 19                     | 0           |
| 5               | 64QAM | 1  | 12 | 18.62  | 18.48 | 18.48  |                        |             |
| 5               | 64QAM | 1  | 24 | 18.66  | 18.51 | 18.54  |                        |             |
| 5               | 64QAM | 12 | 0  | 17.81  | 17.53 | 17.51  | 19                     | 0           |
| 5               | 64QAM | 12 | 7  | 17.86  | 17.58 | 17.60  |                        |             |
| 5               | 64QAM | 12 | 13 | 17.90  | 17.58 | 17.59  |                        |             |
| 5               | 64QAM | 25 | 0  | 17.83  | 17.56 | 17.56  |                        |             |

**<LTE Band 41 Power Class 3>**

| BW [MHz]        | Modulation | RB Size | RB Offset | for IC Power Low Ch. / Freq. | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|------------------------------|-----------------------|------------------------------|--------------------------|-------------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 39790                        | 39750                 | 40185                        | 40620                    | 41055                         | 41490                  |                     |          |
| Frequency (MHz) |            |         |           | 2510                         | 2506                  | 2549.5                       | 2593                     | 2636.5                        | 2680                   |                     |          |
| 20              | QPSK       | 1       | 0         | 18.92                        | 18.98                 | 19.06                        | 18.76                    | 19.01                         | 19.03                  | 19.5                | 0        |
| 20              | QPSK       | 1       | 49        | 18.98                        | 18.99                 | 19.07                        | 18.86                    | 19.09                         | 19.22                  |                     |          |
| 20              | QPSK       | 1       | 99        | 18.96                        | 18.94                 | 18.96                        | 18.80                    | 18.97                         | 18.98                  |                     |          |
| 20              | QPSK       | 50      | 0         | 18.93                        | 19.18                 | 19.17                        | 19.04                    | 19.03                         | 19.18                  | 19.5                | 0        |
| 20              | QPSK       | 50      | 24        | 19.12                        | 19.19                 | 19.19                        | 19.09                    | 19.04                         | 19.20                  |                     |          |
| 20              | QPSK       | 50      | 50        | 19.11                        | 19.17                 | 19.15                        | 19.07                    | 18.87                         | 19.16                  |                     |          |
| 20              | QPSK       | 100     | 0         | 19.02                        | 19.18                 | 19.14                        | 19.03                    | 18.96                         | 19.19                  | 19.5                | 0        |
| 20              | 16QAM      | 1       | 0         | 18.67                        | 19.08                 | 19.16                        | 18.88                    | 18.95                         | 19.10                  |                     |          |
| 20              | 16QAM      | 1       | 49        | 18.80                        | 18.95                 | 19.04                        | 18.95                    | 18.88                         | 19.02                  |                     |          |
| 20              | 16QAM      | 1       | 99        | 19.07                        | 18.98                 | 19.05                        | 18.90                    | 18.68                         | 19.03                  | 19.5                | 0        |
| 20              | 16QAM      | 50      | 0         | 18.68                        | 18.95                 | 18.98                        | 18.82                    | 18.80                         | 18.97                  |                     |          |
| 20              | 16QAM      | 50      | 24        | 18.73                        | 18.97                 | 18.99                        | 18.85                    | 18.75                         | 18.99                  |                     |          |
| 20              | 16QAM      | 50      | 50        | 18.81                        | 18.95                 | 18.93                        | 18.83                    | 18.64                         | 18.99                  | 19.5                | 0        |
| 20              | 16QAM      | 100     | 0         | 18.74                        | 18.93                 | 18.95                        | 18.80                    | 18.69                         | 18.98                  |                     |          |
| 20              | 64QAM      | 1       | 0         | 18.83                        | 18.83                 | 18.98                        | 18.71                    | 18.82                         | 18.56                  |                     |          |
| 20              | 64QAM      | 1       | 49        | 18.78                        | 18.71                 | 18.93                        | 18.76                    | 18.77                         | 18.71                  | 19.5                | 0        |
| 20              | 64QAM      | 1       | 99        | 18.81                        | 18.73                 | 18.87                        | 18.78                    | 18.50                         | 18.97                  |                     |          |
| 20              | 64QAM      | 50      | 0         | 19.16                        | 19.16                 | 19.18                        | 19.11                    | 19.10                         | 19.02                  |                     |          |
| 20              | 64QAM      | 50      | 24        | 19.11                        | 19.14                 | 19.10                        | 19.17                    | 19.06                         | 19.06                  | 19.5                | 0        |
| 20              | 64QAM      | 50      | 50        | 19.02                        | 19.15                 | 19.16                        | 19.15                    | 18.96                         | 19.16                  |                     |          |
| 20              | 64QAM      | 100     | 0         | 19.18                        | 19.13                 | 19.15                        | 19.15                    | 19.02                         | 19.05                  |                     |          |
| Channel         |            |         |           | 39765                        | 39725                 | 40173                        | 40620                    | 41068                         | 41515                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5                       | 2503.5                | 2548.3                       | 2593                     | 2637.8                        | 2682.5                 |                     |          |
| 15              | QPSK       | 1       | 0         | 18.99                        | 18.95                 | 19.05                        | 18.81                    | 18.86                         | 18.67                  | 19.5                | 0        |
| 15              | QPSK       | 1       | 37        | 18.99                        | 18.94                 | 19.12                        | 18.92                    | 18.73                         | 18.72                  |                     |          |
| 15              | QPSK       | 1       | 74        | 18.99                        | 18.98                 | 18.94                        | 18.89                    | 18.67                         | 18.92                  |                     |          |
| 15              | QPSK       | 36      | 0         | 19.12                        | 19.09                 | 19.17                        | 18.97                    | 18.91                         | 18.85                  | 19.5                | 0        |
| 15              | QPSK       | 36      | 20        | 19.18                        | 19.13                 | 19.19                        | 19.04                    | 18.93                         | 18.87                  |                     |          |
| 15              | QPSK       | 36      | 39        | 19.18                        | 19.14                 | 19.14                        | 19.03                    | 18.81                         | 18.91                  |                     |          |
| 15              | QPSK       | 75      | 0         | 19.18                        | 19.15                 | 19.17                        | 19.06                    | 18.92                         | 18.86                  | 19.5                | 0        |
| 15              | 16QAM      | 1       | 0         | 19.08                        | 19.05                 | 19.09                        | 18.92                    | 18.93                         | 18.71                  |                     |          |
| 15              | 16QAM      | 1       | 37        | 18.96                        | 18.95                 | 19.02                        | 18.94                    | 18.83                         | 18.75                  |                     |          |
| 15              | 16QAM      | 1       | 74        | 19.02                        | 18.99                 | 18.99                        | 18.94                    | 18.77                         | 19.02                  | 19.5                | 0        |
| 15              | 16QAM      | 36      | 0         | 18.86                        | 18.82                 | 18.90                        | 18.71                    | 18.63                         | 18.53                  |                     |          |
| 15              | 16QAM      | 36      | 20        | 18.91                        | 18.90                 | 18.94                        | 18.76                    | 18.63                         | 18.63                  |                     |          |
| 15              | 16QAM      | 36      | 39        | 18.86                        | 18.85                 | 18.88                        | 18.72                    | 18.58                         | 18.68                  | 19.5                | 0        |
| 15              | 16QAM      | 75      | 0         | 18.96                        | 18.90                 | 18.98                        | 18.81                    | 18.67                         | 18.67                  |                     |          |
| 15              | 64QAM      | 1       | 0         | 18.84                        | 18.80                 | 18.96                        | 18.78                    | 18.79                         | 18.57                  |                     |          |
| 15              | 64QAM      | 1       | 37        | 18.77                        | 18.74                 | 18.99                        | 18.83                    | 18.75                         | 18.69                  | 19.5                | 0        |
| 15              | 64QAM      | 1       | 74        | 18.77                        | 18.76                 | 18.88                        | 18.84                    | 18.61                         | 18.82                  |                     |          |
| 15              | 64QAM      | 36      | 0         | 19.11                        | 19.11                 | 19.07                        | 19.05                    | 19.00                         | 18.92                  |                     |          |
| 15              | 64QAM      | 36      | 20        | 19.19                        | 19.12                 | 19.08                        | 19.14                    | 18.99                         | 18.98                  | 19.5                | 0        |
| 15              | 64QAM      | 36      | 39        | 19.16                        | 19.11                 | 19.03                        | 19.13                    | 18.90                         | 19.02                  |                     |          |
| 15              | 64QAM      | 75      | 0         | 19.17                        | 19.11                 | 19.07                        | 19.12                    | 18.99                         | 19.00                  |                     |          |
| Channel         |            |         |           | 39740                        | 39700                 | 40160                        | 40620                    | 41080                         | 41540                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                         | 2501                  | 2547                         | 2593                     | 2639                          | 2685                   |                     |          |
| 10              | QPSK       | 1       | 0         | 18.84                        | 18.73                 | 18.87                        | 18.73                    | 18.52                         | 18.55                  | 19.5                | 0        |
| 10              | QPSK       | 1       | 25        | 18.78                        | 18.77                 | 18.95                        | 18.73                    | 18.64                         | 18.61                  |                     |          |
| 10              | QPSK       | 1       | 49        | 18.81                        | 18.82                 | 18.88                        | 18.72                    | 18.52                         | 18.60                  |                     |          |

|                 |       |    |    |        |        |        |       |         |        |                           |             |
|-----------------|-------|----|----|--------|--------|--------|-------|---------|--------|---------------------------|-------------|
| 10              | QPSK  | 25 | 0  | 19.03  | 18.93  | 19.09  | 18.89 | 18.74   | 18.71  | 19.5                      | 0           |
| 10              | QPSK  | 25 | 12 | 19.07  | 19.02  | 19.09  | 18.90 | 18.77   | 18.84  |                           |             |
| 10              | QPSK  | 25 | 25 | 18.97  | 18.91  | 19.04  | 18.88 | 18.72   | 18.69  |                           |             |
| 10              | QPSK  | 50 | 0  | 19.03  | 18.98  | 19.11  | 18.95 | 18.80   | 18.89  |                           |             |
| 10              | 16QAM | 1  | 0  | 18.97  | 18.97  | 19.11  | 18.85 | 18.76   | 18.68  | 19.5                      | 0           |
| 10              | 16QAM | 1  | 25 | 18.81  | 18.83  | 19.00  | 18.77 | 18.66   | 18.62  |                           |             |
| 10              | 16QAM | 1  | 49 | 18.84  | 18.82  | 18.98  | 18.79 | 18.69   | 18.67  |                           |             |
| 10              | 16QAM | 25 | 0  | 18.75  | 18.76  | 18.88  | 18.66 | 18.55   | 18.53  | 19.5                      | 0           |
| 10              | 16QAM | 25 | 12 | 18.77  | 18.76  | 18.88  | 18.70 | 18.57   | 18.54  |                           |             |
| 10              | 16QAM | 25 | 25 | 18.72  | 18.71  | 18.83  | 18.63 | 18.48   | 18.50  |                           |             |
| 10              | 16QAM | 50 | 0  | 18.79  | 18.74  | 18.87  | 18.69 | 18.57   | 18.59  |                           |             |
| 10              | 64QAM | 1  | 0  | 18.64  | 18.62  | 18.92  | 18.68 | 18.61   | 18.50  | 19.5                      | 0           |
| 10              | 64QAM | 1  | 25 | 18.58  | 18.56  | 18.91  | 18.62 | 18.58   | 18.53  |                           |             |
| 10              | 64QAM | 1  | 49 | 18.55  | 18.50  | 18.80  | 18.65 | 18.49   | 18.52  |                           |             |
| 10              | 64QAM | 25 | 0  | 19.02  | 19.19  | 19.01  | 19.02 | 18.89   | 18.88  | 19.5                      | 0           |
| 10              | 64QAM | 25 | 12 | 19.02  | 19.00  | 19.05  | 19.05 | 18.89   | 18.90  |                           |             |
| 10              | 64QAM | 25 | 25 | 18.99  | 18.95  | 19.11  | 18.97 | 18.84   | 18.85  |                           |             |
| 10              | 64QAM | 50 | 0  | 19.02  | 18.97  | 19.05  | 19.01 | 18.87   | 18.87  |                           |             |
| Channel         |       |    |    | 39715  | 39675  | 40148  | 40620 | 41093   | 41565  | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |       |    |    | 2502.5 | 2498.5 | 2545.8 | 2593  | 2640.30 | 2687.5 |                           |             |
| 5               | QPSK  | 1  | 0  | 18.52  | 18.82  | 18.97  | 18.83 | 18.60   | 18.66  | 19.5                      | 0           |
| 5               | QPSK  | 1  | 12 | 18.64  | 18.87  | 18.82  | 18.83 | 18.67   | 18.62  |                           |             |
| 5               | QPSK  | 1  | 24 | 18.52  | 18.82  | 18.98  | 18.78 | 18.59   | 18.57  |                           |             |
| 5               | QPSK  | 12 | 0  | 18.74  | 18.97  | 19.09  | 18.89 | 18.68   | 18.79  | 19.5                      | 0           |
| 5               | QPSK  | 12 | 7  | 18.77  | 19.00  | 19.14  | 18.93 | 18.73   | 18.84  |                           |             |
| 5               | QPSK  | 12 | 13 | 18.72  | 18.97  | 19.10  | 18.91 | 18.77   | 18.86  |                           |             |
| 5               | QPSK  | 25 | 0  | 18.80  | 18.99  | 19.10  | 18.91 | 18.68   | 18.82  |                           |             |
| 5               | 16QAM | 1  | 0  | 18.76  | 18.90  | 19.05  | 18.85 | 18.70   | 18.70  | 19.5                      | 0           |
| 5               | 16QAM | 1  | 12 | 18.66  | 18.94  | 19.12  | 18.87 | 18.74   | 18.75  |                           |             |
| 5               | 16QAM | 1  | 24 | 18.69  | 18.95  | 19.09  | 18.86 | 18.79   | 18.71  |                           |             |
| 5               | 16QAM | 12 | 0  | 18.55  | 18.73  | 18.87  | 18.61 | 18.44   | 18.47  | 19.5                      | 0           |
| 5               | 16QAM | 12 | 7  | 18.57  | 18.77  | 18.89  | 18.67 | 18.44   | 18.49  |                           |             |
| 5               | 16QAM | 12 | 13 | 18.48  | 18.74  | 18.87  | 18.66 | 18.51   | 18.47  |                           |             |
| 5               | 16QAM | 25 | 0  | 18.57  | 18.78  | 18.89  | 18.69 | 18.50   | 18.54  |                           |             |
| 5               | 64QAM | 1  | 0  | 18.66  | 18.73  | 18.90  | 18.73 | 18.57   | 18.62  | 19.5                      | 0           |
| 5               | 64QAM | 1  | 12 | 18.68  | 18.70  | 18.96  | 18.70 | 18.62   | 18.61  |                           |             |
| 5               | 64QAM | 1  | 24 | 18.69  | 18.71  | 19.01  | 18.78 | 18.65   | 18.64  |                           |             |
| 5               | 64QAM | 12 | 0  | 19.01  | 19.00  | 19.10  | 18.97 | 18.83   | 18.85  | 19.5                      | 0           |
| 5               | 64QAM | 12 | 7  | 19.00  | 19.03  | 19.02  | 19.02 | 18.85   | 18.86  |                           |             |
| 5               | 64QAM | 12 | 13 | 18.99  | 19.01  | 19.05  | 19.02 | 18.87   | 18.84  |                           |             |
| 5               | 64QAM | 25 | 0  | 19.03  | 19.04  | 19.16  | 19.04 | 18.83   | 18.88  |                           |             |

**<LTE Band 41 Power Class 2>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|------------------------------|--------------------------|-------------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 39750                 | 40185                        | 40620                    | 41055                         | 41490                  | 19.5                | 0        |
| Frequency (MHz) |            |         |           | 2506                  | 2549.5                       | 2593                     | 2636.5                        | 2680                   |                     |          |
| 20              | QPSK       | 1       | 0         | 19.07                 | 19.13                        | 18.98                    | 18.98                         | 19.13                  |                     |          |
| 20              | QPSK       | 1       | 49        | 19.02                 | 19.11                        | 18.93                    | 19.04                         | 19.39                  | 19.5                | 0        |
| 20              | QPSK       | 1       | 99        | 19.03                 | 19.07                        | 18.93                    | 18.96                         | 19.01                  |                     |          |
| 20              | QPSK       | 50      | 0         | 19.32                 | 19.37                        | 19.18                    | 19.16                         | 19.07                  |                     |          |
| 20              | QPSK       | 50      | 24        | 19.33                 | 19.29                        | 19.26                    | 19.13                         | 19.38                  | 19.5                | 0        |
| 20              | QPSK       | 50      | 50        | 19.30                 | 19.31                        | 19.24                    | 19.05                         | 19.23                  |                     |          |
| 20              | QPSK       | 100     | 0         | 19.31                 | 19.34                        | 19.18                    | 19.15                         | 19.38                  |                     |          |
| 20              | 16QAM      | 1       | 0         | 19.36                 | 19.38                        | 19.12                    | 19.20                         | 18.98                  | 19.5                | 0        |
| 20              | 16QAM      | 1       | 49        | 19.19                 | 19.28                        | 19.18                    | 19.14                         | 19.09                  |                     |          |
| 20              | 16QAM      | 1       | 99        | 19.24                 | 19.29                        | 19.15                    | 18.95                         | 19.34                  |                     |          |
| 20              | 16QAM      | 50      | 0         | 19.31                 | 19.38                        | 19.17                    | 19.24                         | 19.10                  | 19.5                | 0        |
| 20              | 16QAM      | 50      | 24        | 19.31                 | 19.36                        | 19.26                    | 19.13                         | 19.15                  |                     |          |
| 20              | 16QAM      | 50      | 50        | 19.35                 | 19.30                        | 19.26                    | 19.04                         | 19.22                  |                     |          |
| 20              | 16QAM      | 100     | 0         | 19.29                 | 19.28                        | 19.21                    | 19.09                         | 19.10                  | 19.5                | 0        |
| 20              | 64QAM      | 1       | 0         | 19.21                 | 19.22                        | 19.01                    | 19.11                         | 18.92                  |                     |          |
| 20              | 64QAM      | 1       | 49        | 19.09                 | 19.25                        | 19.13                    | 19.08                         | 19.06                  |                     |          |
| 20              | 64QAM      | 1       | 99        | 19.08                 | 19.26                        | 19.09                    | 18.90                         | 19.25                  | 19.5                | 0        |
| 20              | 64QAM      | 50      | 0         | 19.23                 | 18.91                        | 19.17                    | 19.16                         | 19.05                  |                     |          |
| 20              | 64QAM      | 50      | 24        | 19.29                 | 19.20                        | 19.23                    | 19.15                         | 19.16                  |                     |          |
| 20              | 64QAM      | 50      | 50        | 19.29                 | 19.25                        | 19.22                    | 19.16                         | 19.23                  | 19.5                | 0        |
| 20              | 64QAM      | 100     | 0         | 19.21                 | 19.26                        | 19.20                    | 19.17                         | 19.14                  |                     |          |
| Channel         |            |         |           | 39725                 | 40173                        | 40620                    | 41068                         | 41515                  | 19.5                | 0        |
| Frequency (MHz) |            |         |           | 2503.5                | 2548.3                       | 2593                     | 2637.8                        | 2682.5                 |                     |          |
| 15              | QPSK       | 1       | 0         | 19.10                 | 19.17                        | 18.98                    | 18.92                         | 18.75                  |                     |          |
| 15              | QPSK       | 1       | 37        | 19.10                 | 19.25                        | 19.04                    | 18.92                         | 18.94                  | 19.5                | 0        |
| 15              | QPSK       | 1       | 74        | 19.07                 | 19.10                        | 18.98                    | 18.77                         | 19.02                  |                     |          |
| 15              | QPSK       | 36      | 0         | 19.26                 | 19.34                        | 19.16                    | 19.11                         | 19.00                  | 19.5                | 0        |
| 15              | QPSK       | 36      | 20        | 19.25                 | 19.36                        | 19.23                    | 19.07                         | 19.10                  |                     |          |
| 15              | QPSK       | 36      | 39        | 19.28                 | 19.30                        | 19.21                    | 19.03                         | 19.07                  |                     |          |
| 15              | QPSK       | 75      | 0         | 19.28                 | 19.34                        | 19.21                    | 19.07                         | 19.14                  | 19.5                | 0        |
| 15              | 16QAM      | 1       | 0         | 19.35                 | 19.37                        | 19.15                    | 19.19                         | 18.97                  |                     |          |
| 15              | 16QAM      | 1       | 37        | 19.25                 | 19.28                        | 19.19                    | 19.14                         | 19.10                  |                     |          |
| 15              | 16QAM      | 1       | 74        | 19.23                 | 19.26                        | 19.21                    | 19.02                         | 19.26                  | 19.5                | 0        |
| 15              | 16QAM      | 36      | 0         | 19.20                 | 19.30                        | 19.13                    | 19.07                         | 19.12                  |                     |          |
| 15              | 16QAM      | 36      | 20        | 19.26                 | 19.34                        | 19.26                    | 19.04                         | 19.09                  |                     |          |
| 15              | 16QAM      | 36      | 39        | 19.29                 | 19.27                        | 19.16                    | 18.99                         | 19.13                  | 19.5                | 0        |
| 15              | 16QAM      | 75      | 0         | 19.26                 | 19.32                        | 19.20                    | 19.03                         | 19.08                  |                     |          |
| 15              | 64QAM      | 1       | 0         | 19.17                 | 19.20                        | 19.08                    | 19.13                         | 18.89                  |                     |          |
| 15              | 64QAM      | 1       | 37        | 19.06                 | 19.21                        | 19.17                    | 19.11                         | 19.05                  | 19.5                | 0        |
| 15              | 64QAM      | 1       | 74        | 19.09                 | 19.23                        | 19.13                    | 18.96                         | 19.17                  |                     |          |
| 15              | 64QAM      | 36      | 0         | 19.16                 | 19.22                        | 19.14                    | 19.10                         | 19.00                  |                     |          |
| 15              | 64QAM      | 36      | 20        | 19.25                 | 19.06                        | 19.20                    | 19.01                         | 19.09                  | 19.5                | 0        |
| 15              | 64QAM      | 36      | 39        | 19.22                 | 19.29                        | 19.17                    | 19.01                         | 19.14                  |                     |          |
| 15              | 64QAM      | 75      | 0         | 19.20                 | 19.27                        | 19.20                    | 19.07                         | 19.05                  |                     |          |
| Channel         |            |         |           | 39700                 | 40160                        | 40620                    | 41080                         | 41540                  | 19.5                | 0        |
| Frequency (MHz) |            |         |           | 2501                  | 2547                         | 2593                     | 2639                          | 2685                   |                     |          |
| 10              | QPSK       | 1       | 0         | 18.88                 | 19.01                        | 18.81                    | 18.68                         | 18.67                  |                     |          |
| 10              | QPSK       | 1       | 25        | 18.88                 | 19.00                        | 18.85                    | 18.69                         | 18.70                  | 19.5                | 0        |
| 10              | QPSK       | 1       | 49        | 18.91                 | 18.99                        | 18.82                    | 18.66                         | 18.69                  |                     |          |

|                 |       |    |    |        |        |       |         |        |                           |             |
|-----------------|-------|----|----|--------|--------|-------|---------|--------|---------------------------|-------------|
| 10              | QPSK  | 25 | 0  | 19.11  | 19.25  | 19.05 | 18.91   | 18.93  | 19.5                      | 0           |
| 10              | QPSK  | 25 | 12 | 19.17  | 19.25  | 19.05 | 18.93   | 19.14  |                           |             |
| 10              | QPSK  | 25 | 25 | 19.10  | 19.21  | 19.00 | 18.87   | 18.91  |                           |             |
| 10              | QPSK  | 50 | 0  | 19.13  | 19.26  | 19.10 | 18.93   | 18.97  |                           |             |
| 10              | 16QAM | 1  | 0  | 19.18  | 19.30  | 19.06 | 18.98   | 18.95  | 19.5                      | 0           |
| 10              | 16QAM | 1  | 25 | 19.10  | 19.26  | 19.04 | 18.95   | 18.91  |                           |             |
| 10              | 16QAM | 1  | 49 | 19.07  | 19.23  | 19.02 | 18.95   | 18.93  |                           |             |
| 10              | 16QAM | 25 | 0  | 19.12  | 19.31  | 19.05 | 18.97   | 18.97  | 19.5                      | 0           |
| 10              | 16QAM | 25 | 12 | 19.13  | 19.32  | 19.10 | 18.97   | 18.97  |                           |             |
| 10              | 16QAM | 25 | 25 | 19.08  | 19.26  | 19.05 | 18.94   | 18.93  |                           |             |
| 10              | 16QAM | 50 | 0  | 19.10  | 19.29  | 19.07 | 18.96   | 18.97  |                           |             |
| 10              | 64QAM | 1  | 0  | 18.98  | 19.22  | 18.97 | 18.90   | 18.88  | 19.5                      | 0           |
| 10              | 64QAM | 1  | 25 | 18.95  | 19.18  | 18.96 | 18.88   | 18.90  |                           |             |
| 10              | 64QAM | 1  | 49 | 18.91  | 19.15  | 18.94 | 18.86   | 18.87  |                           |             |
| 10              | 64QAM | 25 | 0  | 19.10  | 19.28  | 19.11 | 19.00   | 18.95  | 19.5                      | 0           |
| 10              | 64QAM | 25 | 12 | 19.09  | 19.30  | 19.10 | 18.98   | 18.98  |                           |             |
| 10              | 64QAM | 25 | 25 | 19.04  | 19.26  | 19.08 | 18.98   | 18.98  |                           |             |
| 10              | 64QAM | 50 | 0  | 19.04  | 19.30  | 19.07 | 18.95   | 18.96  |                           |             |
| Channel         |       |    |    | 39675  | 40148  | 40620 | 41093   | 41565  | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |       |    |    | 2498.5 | 2545.8 | 2593  | 2640.30 | 2687.5 |                           |             |
| 5               | QPSK  | 1  | 0  | 18.94  | 19.05  | 18.87 | 18.68   | 18.77  | 19.5                      | 0           |
| 5               | QPSK  | 1  | 12 | 18.97  | 19.10  | 18.88 | 18.75   | 18.74  |                           |             |
| 5               | QPSK  | 1  | 24 | 18.96  | 19.05  | 18.86 | 18.72   | 18.71  |                           |             |
| 5               | QPSK  | 12 | 0  | 19.12  | 19.27  | 19.08 | 18.85   | 19.03  | 19.5                      | 0           |
| 5               | QPSK  | 12 | 7  | 19.18  | 19.30  | 19.11 | 18.88   | 18.98  |                           |             |
| 5               | QPSK  | 12 | 13 | 19.15  | 19.29  | 19.11 | 18.94   | 18.96  |                           |             |
| 5               | QPSK  | 25 | 0  | 19.13  | 19.25  | 19.05 | 18.85   | 19.02  |                           |             |
| 5               | 16QAM | 1  | 0  | 19.15  | 19.30  | 19.12 | 18.95   | 18.96  | 19.5                      | 0           |
| 5               | 16QAM | 1  | 12 | 19.23  | 19.36  | 19.09 | 19.02   | 18.94  |                           |             |
| 5               | 16QAM | 1  | 24 | 19.15  | 19.38  | 19.14 | 19.00   | 18.99  |                           |             |
| 5               | 16QAM | 12 | 0  | 19.12  | 19.29  | 19.08 | 18.98   | 18.93  | 19.5                      | 0           |
| 5               | 16QAM | 12 | 7  | 19.17  | 19.37  | 19.14 | 18.93   | 18.97  |                           |             |
| 5               | 16QAM | 12 | 13 | 19.13  | 19.35  | 19.08 | 18.93   | 18.95  |                           |             |
| 5               | 16QAM | 25 | 0  | 19.16  | 19.31  | 19.06 | 18.95   | 18.94  |                           |             |
| 5               | 64QAM | 1  | 0  | 19.03  | 19.19  | 19.05 | 18.89   | 18.93  | 19.5                      | 0           |
| 5               | 64QAM | 1  | 12 | 19.02  | 19.25  | 19.05 | 18.93   | 18.91  |                           |             |
| 5               | 64QAM | 1  | 24 | 19.06  | 19.24  | 19.05 | 18.97   | 18.95  |                           |             |
| 5               | 64QAM | 12 | 0  | 19.08  | 19.28  | 19.10 | 18.88   | 18.96  | 19.5                      | 0           |
| 5               | 64QAM | 12 | 7  | 19.10  | 19.30  | 19.13 | 18.97   | 18.99  |                           |             |
| 5               | 64QAM | 12 | 13 | 19.08  | 19.28  | 19.12 | 18.96   | 18.98  |                           |             |
| 5               | 64QAM | 25 | 0  | 19.11  | 19.28  | 19.15 | 18.92   | 18.98  |                           |             |

**<LTE Band 48>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|------------------------------|-------------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 55340                 | 55830                        | 56150                         | 56640                  |                     |          |
| Frequency (MHz) |            |         |           | 3560                  | 3609                         | 3641                          | 3690                   |                     |          |
| 20              | QPSK       | 1       | 0         | 16.74                 | 16.94                        | 16.69                         | 16.65                  | 17                  | 0        |
| 20              | QPSK       | 1       | 49        | 16.57                 | 16.75                        | 16.66                         | 16.63                  |                     |          |
| 20              | QPSK       | 1       | 99        | 16.72                 | 16.74                        | 16.68                         | 16.65                  |                     |          |
| 20              | QPSK       | 50      | 0         | 16.58                 | 16.91                        | 16.80                         | 16.76                  | 17                  | 0        |
| 20              | QPSK       | 50      | 24        | 16.57                 | 16.87                        | 16.66                         | 16.72                  |                     |          |
| 20              | QPSK       | 50      | 50        | 16.56                 | 16.62                        | 16.71                         | 16.60                  |                     |          |
| 20              | QPSK       | 100     | 0         | 16.54                 | 16.90                        | 16.83                         | 16.67                  | 17                  | 0        |
| 20              | 16QAM      | 1       | 0         | 16.54                 | 16.73                        | 16.64                         | 16.71                  |                     |          |
| 20              | 16QAM      | 1       | 49        | 16.52                 | 16.65                        | 16.58                         | 16.67                  |                     |          |
| 20              | 16QAM      | 1       | 99        | 16.50                 | 16.72                        | 16.52                         | 16.71                  | 17                  | 0        |
| 20              | 16QAM      | 50      | 0         | 16.47                 | 16.78                        | 16.55                         | 16.90                  |                     |          |
| 20              | 16QAM      | 50      | 24        | 16.54                 | 16.44                        | 16.63                         | 16.92                  |                     |          |
| 20              | 16QAM      | 50      | 50        | 16.52                 | 16.47                        | 16.72                         | 16.93                  | 17                  | 0        |
| 20              | 16QAM      | 100     | 0         | 16.54                 | 16.54                        | 16.67                         | 16.93                  |                     |          |
| 20              | 64QAM      | 1       | 0         | 16.65                 | 16.64                        | 16.73                         | 16.61                  |                     |          |
| 20              | 64QAM      | 1       | 49        | 16.65                 | 16.48                        | 16.58                         | 16.65                  | 17                  | 0        |
| 20              | 64QAM      | 1       | 99        | 16.62                 | 16.41                        | 16.54                         | 16.70                  |                     |          |
| 20              | 64QAM      | 50      | 0         | 16.57                 | 16.64                        | 16.47                         | 16.82                  |                     |          |
| 20              | 64QAM      | 50      | 24        | 16.47                 | 16.75                        | 16.42                         | 16.75                  | 17                  | 0        |
| 20              | 64QAM      | 50      | 50        | 16.37                 | 16.63                        | 16.41                         | 16.86                  |                     |          |
| 20              | 64QAM      | 100     | 0         | 16.41                 | 16.42                        | 16.64                         | 16.81                  |                     |          |
| Channel         |            |         |           | 55315                 | 55820                        | 56160                         | 56665                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3557.5                | 3608                         | 3642                          | 3692.5                 |                     |          |
| 15              | QPSK       | 1       | 0         | 16.41                 | 16.64                        | 16.60                         | 16.62                  | 17                  | 0        |
| 15              | QPSK       | 1       | 37        | 16.37                 | 16.73                        | 16.63                         | 16.64                  |                     |          |
| 15              | QPSK       | 1       | 74        | 16.44                 | 16.57                        | 16.64                         | 16.57                  |                     |          |
| 15              | QPSK       | 36      | 0         | 16.55                 | 16.73                        | 16.72                         | 16.46                  | 17                  | 0        |
| 15              | QPSK       | 36      | 20        | 16.53                 | 16.67                        | 16.73                         | 16.35                  |                     |          |
| 15              | QPSK       | 36      | 39        | 16.64                 | 16.58                        | 16.54                         | 16.34                  |                     |          |
| 15              | QPSK       | 75      | 0         | 16.55                 | 16.47                        | 16.58                         | 16.65                  | 17                  | 0        |
| 15              | 16QAM      | 1       | 0         | 16.62                 | 16.41                        | 16.47                         | 16.63                  |                     |          |
| 15              | 16QAM      | 1       | 37        | 16.47                 | 16.51                        | 16.38                         | 16.36                  |                     |          |
| 15              | 16QAM      | 1       | 74        | 16.41                 | 16.58                        | 16.55                         | 16.31                  | 17                  | 0        |
| 15              | 16QAM      | 36      | 0         | 16.37                 | 16.66                        | 16.57                         | 16.35                  |                     |          |
| 15              | 16QAM      | 36      | 20        | 16.45                 | 16.52                        | 16.53                         | 16.44                  |                     |          |
| 15              | 16QAM      | 36      | 39        | 16.46                 | 16.72                        | 16.52                         | 16.51                  | 17                  | 0        |
| 15              | 16QAM      | 75      | 0         | 16.37                 | 16.64                        | 16.63                         | 16.72                  |                     |          |
| 15              | 64QAM      | 1       | 0         | 16.54                 | 16.52                        | 16.54                         | 16.66                  |                     |          |
| 15              | 64QAM      | 1       | 37        | 16.53                 | 16.57                        | 16.37                         | 16.73                  | 17                  | 0        |
| 15              | 64QAM      | 1       | 74        | 16.57                 | 16.56                        | 16.37                         | 16.57                  |                     |          |
| 15              | 64QAM      | 36      | 0         | 16.64                 | 16.52                        | 16.34                         | 16.55                  |                     |          |
| 15              | 64QAM      | 36      | 20        | 16.63                 | 16.55                        | 16.47                         | 16.70                  | 17                  | 0        |
| 15              | 64QAM      | 36      | 39        | 16.57                 | 16.67                        | 16.49                         | 16.63                  |                     |          |
| 15              | 64QAM      | 75      | 0         | 16.56                 | 16.47                        | 16.56                         | 16.44                  |                     |          |
| Channel         |            |         |           | 55290                 | 55815                        | 56165                         | 56690                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3555                  | 3607.5                       | 3642.5                        | 3695                   |                     |          |
| 10              | QPSK       | 1       | 0         | 16.62                 | 16.70                        | 16.53                         | 16.34                  | 17                  | 0        |
| 10              | QPSK       | 1       | 25        | 16.60                 | 16.39                        | 16.49                         | 16.51                  |                     |          |
| 10              | QPSK       | 1       | 49        | 16.33                 | 16.71                        | 16.52                         | 16.50                  |                     |          |
| 10              | QPSK       | 25      | 0         | 16.28                 | 16.54                        | 16.64                         | 16.54                  | 17                  | 0        |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

|                 |       |    |    |        |       |       |        |                           |             |
|-----------------|-------|----|----|--------|-------|-------|--------|---------------------------|-------------|
| 10              | QPSK  | 25 | 12 | 16.32  | 16.63 | 16.44 | 16.43  |                           |             |
| 10              | QPSK  | 25 | 25 | 16.41  | 16.65 | 16.63 | 16.50  |                           |             |
| 10              | QPSK  | 50 | 0  | 16.48  | 16.70 | 16.49 | 16.61  |                           |             |
| 10              | 16QAM | 1  | 0  | 16.69  | 16.50 | 16.69 | 16.52  | 17                        | 0           |
| 10              | 16QAM | 1  | 25 | 16.63  | 16.59 | 16.61 | 16.59  |                           |             |
| 10              | 16QAM | 1  | 49 | 16.70  | 16.60 | 16.49 | 16.44  |                           |             |
| 10              | 16QAM | 25 | 0  | 16.54  | 16.54 | 16.54 | 16.60  | 17                        | 0           |
| 10              | 16QAM | 25 | 12 | 16.52  | 16.52 | 16.64 | 16.54  |                           |             |
| 10              | 16QAM | 25 | 25 | 16.67  | 16.70 | 16.55 | 16.53  |                           |             |
| 10              | 16QAM | 50 | 0  | 16.60  | 16.69 | 16.44 | 16.38  | 17                        | 0           |
| 10              | 64QAM | 1  | 0  | 16.41  | 16.54 | 16.38 | 16.34  |                           |             |
| 10              | 64QAM | 1  | 25 | 16.59  | 16.62 | 16.48 | 16.41  |                           |             |
| 10              | 64QAM | 1  | 49 | 16.61  | 16.58 | 16.55 | 16.52  | 17                        | 0           |
| 10              | 64QAM | 25 | 0  | 16.54  | 16.51 | 16.61 | 16.44  |                           |             |
| 10              | 64QAM | 25 | 12 | 16.43  | 16.52 | 16.70 | 16.38  |                           |             |
| 10              | 64QAM | 25 | 25 | 16.32  | 16.44 | 16.54 | 16.34  | 17                        | 0           |
| 10              | 64QAM | 50 | 0  | 16.31  | 16.38 | 16.70 | 16.59  |                           |             |
| Channel         |       |    |    | 55265  | 55810 | 56170 | 56715  | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |       |    |    | 3552.5 | 3607  | 3643  | 3697.5 |                           |             |
| 5               | QPSK  | 1  | 0  | 16.38  | 16.74 | 16.69 | 16.66  | 17                        | 0           |
| 5               | QPSK  | 1  | 12 | 16.41  | 16.80 | 16.80 | 16.69  |                           |             |
| 5               | QPSK  | 1  | 24 | 16.48  | 16.85 | 16.84 | 16.68  |                           |             |
| 5               | QPSK  | 12 | 0  | 16.58  | 16.77 | 16.84 | 16.70  | 17                        | 0           |
| 5               | QPSK  | 12 | 7  | 16.42  | 16.58 | 16.61 | 16.85  |                           |             |
| 5               | QPSK  | 12 | 13 | 16.35  | 16.52 | 16.65 | 16.81  |                           |             |
| 5               | QPSK  | 25 | 0  | 16.58  | 16.46 | 16.61 | 16.84  | 17                        | 0           |
| 5               | 16QAM | 1  | 0  | 16.69  | 16.49 | 16.74 | 16.67  |                           |             |
| 5               | 16QAM | 1  | 12 | 16.57  | 16.36 | 16.66 | 16.59  |                           |             |
| 5               | 16QAM | 1  | 24 | 16.36  | 16.35 | 16.72 | 16.81  | 17                        | 0           |
| 5               | 16QAM | 12 | 0  | 16.50  | 16.58 | 16.73 | 16.66  |                           |             |
| 5               | 16QAM | 12 | 7  | 16.37  | 16.41 | 16.55 | 16.65  |                           |             |
| 5               | 16QAM | 12 | 13 | 16.39  | 16.60 | 16.59 | 16.65  | 17                        | 0           |
| 5               | 16QAM | 25 | 0  | 16.35  | 16.60 | 16.64 | 16.76  |                           |             |
| 5               | 64QAM | 1  | 0  | 16.58  | 16.62 | 16.65 | 16.74  |                           |             |
| 5               | 64QAM | 1  | 12 | 16.49  | 16.61 | 16.61 | 16.68  | 17                        | 0           |
| 5               | 64QAM | 1  | 24 | 16.57  | 16.67 | 16.65 | 16.79  |                           |             |
| 5               | 64QAM | 12 | 0  | 16.48  | 16.52 | 16.73 | 16.31  |                           |             |
| 5               | 64QAM | 12 | 7  | 16.52  | 16.48 | 16.71 | 16.66  | 17                        | 0           |
| 5               | 64QAM | 12 | 13 | 16.41  | 16.66 | 16.59 | 16.69  |                           |             |
| 5               | 64QAM | 25 | 0  | 16.49  | 16.57 | 16.64 | 16.68  |                           |             |

<Reduced power mode 2 for At-Head with 5GHz Wifi>

<UAT>

<LTE Band 38>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|
| Channel         |            |         |           | 37850                    | 38000                       | 38150                     |                        |             |
| Frequency (MHz) |            |         |           | 2580                     | 2595                        | 2610                      |                        |             |
| 20              | QPSK       | 1       | 0         | 18.71                    | 18.46                       | 18.50                     |                        |             |
| 20              | QPSK       | 1       | 49        | 18.62                    | 18.42                       | 18.42                     | 19                     | 0           |
| 20              | QPSK       | 1       | 99        | 18.66                    | 18.42                       | 18.36                     |                        |             |
| 20              | QPSK       | 50      | 0         | 18.60                    | 18.67                       | 18.65                     |                        |             |
| 20              | QPSK       | 50      | 24        | 18.68                    | 18.65                       | 18.67                     | 19                     | 0           |
| 20              | QPSK       | 50      | 50        | 18.60                    | 18.68                       | 18.66                     |                        |             |
| 20              | QPSK       | 100     | 0         | 18.68                    | 18.66                       | 18.62                     |                        |             |
| 20              | 16QAM      | 1       | 0         | 18.62                    | 18.67                       | 18.68                     | 19                     | 0           |
| 20              | 16QAM      | 1       | 49        | 18.57                    | 18.67                       | 18.61                     |                        |             |
| 20              | 16QAM      | 1       | 99        | 18.60                    | 18.64                       | 18.59                     |                        |             |
| 20              | 16QAM      | 50      | 0         | 18.60                    | 18.51                       | 18.67                     | 19                     | 0           |
| 20              | 16QAM      | 50      | 24        | 18.64                    | 18.51                       | 18.40                     |                        |             |
| 20              | 16QAM      | 50      | 50        | 18.62                    | 18.40                       | 18.66                     |                        |             |
| 20              | 16QAM      | 100     | 0         | 18.59                    | 18.65                       | 18.63                     | 19                     | 0           |
| 20              | 64QAM      | 1       | 0         | 18.62                    | 18.56                       | 18.61                     |                        |             |
| 20              | 64QAM      | 1       | 49        | 18.61                    | 18.55                       | 18.53                     |                        |             |
| 20              | 64QAM      | 1       | 99        | 18.63                    | 18.55                       | 18.54                     | 19                     | 0           |
| 20              | 64QAM      | 50      | 0         | 17.81                    | 17.72                       | 17.69                     |                        |             |
| 20              | 64QAM      | 50      | 24        | 17.88                    | 17.74                       | 17.72                     |                        |             |
| 20              | 64QAM      | 50      | 50        | 17.83                    | 17.71                       | 17.67                     | 19                     | 0           |
| 20              | 64QAM      | 100     | 0         | 17.92                    | 17.68                       | 17.67                     |                        |             |
| Channel         |            |         |           | 37825                    | 38000                       | 38175                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2577.5                   | 2595                        | 2612.5                    |                        |             |
| 15              | QPSK       | 1       | 0         | 18.56                    | 18.55                       | 18.55                     |                        |             |
| 15              | QPSK       | 1       | 37        | 18.53                    | 18.44                       | 18.42                     | 19                     | 0           |
| 15              | QPSK       | 1       | 74        | 18.51                    | 18.49                       | 18.39                     |                        |             |
| 15              | QPSK       | 36      | 0         | 18.61                    | 18.65                       | 18.64                     | 19                     | 0           |
| 15              | QPSK       | 36      | 20        | 18.64                    | 18.61                       | 18.65                     |                        |             |
| 15              | QPSK       | 36      | 39        | 18.56                    | 18.63                       | 18.60                     |                        |             |
| 15              | QPSK       | 75      | 0         | 18.62                    | 18.66                       | 18.64                     | 19                     | 0           |
| 15              | 16QAM      | 1       | 0         | 18.66                    | 18.52                       | 18.62                     |                        |             |
| 15              | 16QAM      | 1       | 37        | 18.59                    | 18.63                       | 18.60                     |                        |             |
| 15              | 16QAM      | 1       | 74        | 18.64                    | 18.65                       | 18.61                     | 19                     | 0           |
| 15              | 16QAM      | 36      | 0         | 18.62                    | 18.63                       | 18.63                     |                        |             |
| 15              | 16QAM      | 36      | 20        | 18.63                    | 18.62                       | 18.66                     |                        |             |
| 15              | 16QAM      | 36      | 39        | 18.61                    | 18.63                       | 18.59                     | 19                     | 0           |
| 15              | 16QAM      | 75      | 0         | 18.63                    | 18.65                       | 18.64                     |                        |             |
| 15              | 64QAM      | 1       | 0         | 18.61                    | 18.60                       | 18.61                     |                        |             |
| 15              | 64QAM      | 1       | 37        | 18.66                    | 18.52                       | 18.55                     | 19                     | 0           |
| 15              | 64QAM      | 1       | 74        | 18.63                    | 18.58                       | 18.55                     |                        |             |
| 15              | 64QAM      | 36      | 0         | 17.92                    | 17.66                       | 17.65                     |                        |             |
| 15              | 64QAM      | 36      | 20        | 17.96                    | 17.70                       | 17.70                     | 19                     | 0           |
| 15              | 64QAM      | 36      | 39        | 17.93                    | 17.66                       | 17.65                     |                        |             |
| 15              | 64QAM      | 75      | 0         | 17.91                    | 17.66                       | 17.65                     |                        |             |
| Channel         |            |         |           | 37800                    | 38000                       | 38200                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2575                     | 2595                        | 2615                      |                        |             |
| 10              | QPSK       | 1       | 0         | 18.46                    | 18.29                       | 18.27                     |                        |             |
| 10              | QPSK       | 1       | 25        | 18.56                    | 18.32                       | 18.28                     | 19                     | 0           |
| 10              | QPSK       | 1       | 49        | 18.52                    | 18.27                       | 18.24                     |                        |             |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

|                 |       |    |    |        |       |        |                        |             |
|-----------------|-------|----|----|--------|-------|--------|------------------------|-------------|
| 10              | QPSK  | 25 | 0  | 18.40  | 18.42 | 18.43  | 19                     | 0           |
| 10              | QPSK  | 25 | 12 | 18.44  | 18.45 | 18.48  |                        |             |
| 10              | QPSK  | 25 | 25 | 18.42  | 18.45 | 18.45  |                        |             |
| 10              | QPSK  | 50 | 0  | 18.48  | 18.54 | 18.49  |                        |             |
| 10              | 16QAM | 1  | 0  | 18.44  | 18.46 | 18.54  | 19                     | 0           |
| 10              | 16QAM | 1  | 25 | 18.49  | 18.54 | 18.53  |                        |             |
| 10              | 16QAM | 1  | 49 | 18.43  | 18.51 | 18.53  |                        |             |
| 10              | 16QAM | 25 | 0  | 18.44  | 18.47 | 18.53  | 19                     | 0           |
| 10              | 16QAM | 25 | 12 | 18.47  | 18.52 | 18.51  |                        |             |
| 10              | 16QAM | 25 | 25 | 18.46  | 18.49 | 18.48  |                        |             |
| 10              | 16QAM | 50 | 0  | 18.46  | 18.50 | 18.50  |                        |             |
| 10              | 64QAM | 1  | 0  | 18.60  | 18.38 | 18.44  | 19                     | 0           |
| 10              | 64QAM | 1  | 25 | 18.63  | 18.41 | 18.46  |                        |             |
| 10              | 64QAM | 1  | 49 | 18.60  | 18.40 | 18.43  |                        |             |
| 10              | 64QAM | 25 | 0  | 17.75  | 17.54 | 17.56  | 19                     | 0           |
| 10              | 64QAM | 25 | 12 | 17.80  | 17.55 | 17.56  |                        |             |
| 10              | 64QAM | 25 | 25 | 17.80  | 17.64 | 17.58  |                        |             |
| 10              | 64QAM | 50 | 0  | 17.77  | 17.77 | 17.54  |                        |             |
| Channel         |       |    |    | 37775  | 38000 | 38225  | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |       |    |    | 2572.5 | 2595  | 2617.5 |                        |             |
| 5               | QPSK  | 1  | 0  | 18.32  | 18.37 | 18.39  | 19                     | 0           |
| 5               | QPSK  | 1  | 12 | 18.39  | 18.47 | 18.41  |                        |             |
| 5               | QPSK  | 1  | 24 | 18.36  | 18.35 | 18.31  |                        |             |
| 5               | QPSK  | 12 | 0  | 18.41  | 18.49 | 18.54  | 19                     | 0           |
| 5               | QPSK  | 12 | 7  | 18.52  | 18.49 | 18.58  |                        |             |
| 5               | QPSK  | 12 | 13 | 18.51  | 18.47 | 18.52  |                        |             |
| 5               | QPSK  | 25 | 0  | 18.51  | 18.52 | 18.55  |                        |             |
| 5               | 16QAM | 1  | 0  | 18.56  | 18.60 | 18.63  | 19                     | 0           |
| 5               | 16QAM | 1  | 12 | 18.61  | 18.54 | 18.54  |                        |             |
| 5               | 16QAM | 1  | 24 | 18.66  | 18.64 | 18.67  |                        |             |
| 5               | 16QAM | 12 | 0  | 18.41  | 18.49 | 18.59  | 19                     | 0           |
| 5               | 16QAM | 12 | 7  | 18.53  | 18.50 | 18.54  |                        |             |
| 5               | 16QAM | 12 | 13 | 18.49  | 18.47 | 18.55  |                        |             |
| 5               | 16QAM | 25 | 0  | 18.49  | 18.47 | 18.52  |                        |             |
| 5               | 64QAM | 1  | 0  | 18.62  | 18.36 | 18.35  | 19                     | 0           |
| 5               | 64QAM | 1  | 12 | 18.62  | 18.48 | 18.48  |                        |             |
| 5               | 64QAM | 1  | 24 | 18.66  | 18.51 | 18.54  |                        |             |
| 5               | 64QAM | 12 | 0  | 17.81  | 17.53 | 17.51  | 19                     | 0           |
| 5               | 64QAM | 12 | 7  | 17.86  | 17.58 | 17.60  |                        |             |
| 5               | 64QAM | 12 | 13 | 17.90  | 17.58 | 17.59  |                        |             |
| 5               | 64QAM | 25 | 0  | 17.83  | 17.56 | 17.56  |                        |             |

**<LTE Band 41 Power Class 3>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|------------------------------|--------------------------|-------------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 39750                 | 40185                        | 40620                    | 41055                         | 41490                  |                     |          |
| Frequency (MHz) |            |         |           | 2506                  | 2549.5                       | 2593                     | 2636.5                        | 2680                   |                     |          |
| 20              | QPSK       | 1       | 0         | 20.28                 | 19.87                        | 20.01                    | 20.10                         | 20.28                  | 20.5                | 0        |
| 20              | QPSK       | 1       | 49        | 20.29                 | 20.00                        | 20.10                    | 20.12                         | 20.30                  |                     |          |
| 20              | QPSK       | 1       | 99        | 20.20                 | 20.18                        | 20.05                    | 19.93                         | 20.24                  |                     |          |
| 20              | QPSK       | 50      | 0         | 19.93                 | 19.67                        | 19.82                    | 19.73                         | 19.96                  | 20.5                | 0        |
| 20              | QPSK       | 50      | 24        | 20.01                 | 19.76                        | 19.85                    | 19.82                         | 20.05                  |                     |          |
| 20              | QPSK       | 50      | 50        | 20.00                 | 19.75                        | 19.83                    | 19.81                         | 20.02                  |                     |          |
| 20              | QPSK       | 100     | 0         | 20.01                 | 19.90                        | 19.92                    | 19.73                         | 20.02                  | 20.5                | 0        |
| 20              | 16QAM      | 1       | 0         | 19.96                 | 19.57                        | 19.71                    | 19.78                         | 20.01                  |                     |          |
| 20              | 16QAM      | 1       | 49        | 19.79                 | 19.67                        | 19.78                    | 19.70                         | 19.88                  |                     |          |
| 20              | 16QAM      | 1       | 99        | 19.84                 | 19.94                        | 19.73                    | 19.52                         | 19.88                  | 20.5                | 0        |
| 20              | 16QAM      | 50      | 0         | 19.99                 | 19.70                        | 19.86                    | 19.82                         | 20.03                  |                     |          |
| 20              | 16QAM      | 50      | 24        | 19.99                 | 19.79                        | 19.89                    | 19.77                         | 20.02                  |                     |          |
| 20              | 16QAM      | 50      | 50        | 20.07                 | 19.97                        | 19.98                    | 19.76                         | 20.08                  | 20.5                | 0        |
| 20              | 16QAM      | 100     | 0         | 20.10                 | 19.86                        | 19.94                    | 19.83                         | 20.09                  |                     |          |
| 20              | 64QAM      | 1       | 0         | 19.92                 | 19.98                        | 19.59                    | 19.72                         | 19.52                  | 20.5                | 0        |
| 20              | 64QAM      | 1       | 49        | 19.76                 | 19.89                        | 19.67                    | 19.64                         | 19.58                  |                     |          |
| 20              | 64QAM      | 1       | 99        | 19.76                 | 19.84                        | 19.65                    | 19.54                         | 19.76                  |                     |          |
| 20              | 64QAM      | 50      | 0         | 19.77                 | 19.82                        | 19.56                    | 19.53                         | 19.45                  | 20.5                | 0        |
| 20              | 64QAM      | 50      | 24        | 19.75                 | 19.78                        | 19.64                    | 19.47                         | 19.55                  |                     |          |
| 20              | 64QAM      | 50      | 50        | 19.80                 | 19.72                        | 19.64                    | 19.46                         | 19.59                  |                     |          |
| 20              | 64QAM      | 100     | 0         | 19.77                 | 19.77                        | 19.56                    | 19.46                         | 19.54                  |                     |          |
| Channel         |            |         |           | 39725                 | 40173                        | 40620                    | 41068                         | 41515                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2503.5                | 2548.3                       | 2593                     | 2637.8                        | 2682.5                 |                     |          |
| 15              | QPSK       | 1       | 0         | 20.26                 | 20.22                        | 20.12                    | 20.10                         | 19.89                  | 20.5                | 0        |
| 15              | QPSK       | 1       | 37        | 20.19                 | 20.27                        | 20.14                    | 19.94                         | 19.96                  |                     |          |
| 15              | QPSK       | 1       | 74        | 20.24                 | 20.22                        | 20.12                    | 19.93                         | 20.20                  |                     |          |
| 15              | QPSK       | 36      | 0         | 20.06                 | 20.14                        | 19.93                    | 19.87                         | 19.80                  | 20.5                | 0        |
| 15              | QPSK       | 36      | 20        | 20.11                 | 20.15                        | 20.01                    | 19.87                         | 19.98                  |                     |          |
| 15              | QPSK       | 36      | 39        | 20.11                 | 20.12                        | 20.00                    | 19.77                         | 19.85                  |                     |          |
| 15              | QPSK       | 75      | 0         | 20.08                 | 20.13                        | 19.97                    | 19.86                         | 19.83                  | 20.5                | 0        |
| 15              | 16QAM      | 1       | 0         | 20.01                 | 20.06                        | 19.88                    | 19.88                         | 19.65                  |                     |          |
| 15              | 16QAM      | 1       | 37        | 19.93                 | 20.00                        | 19.80                    | 19.79                         | 19.70                  |                     |          |
| 15              | 16QAM      | 1       | 74        | 19.95                 | 20.02                        | 19.90                    | 19.71                         | 19.97                  | 20.5                | 0        |
| 15              | 16QAM      | 36      | 0         | 19.93                 | 20.02                        | 19.81                    | 19.77                         | 19.68                  |                     |          |
| 15              | 16QAM      | 36      | 20        | 20.00                 | 20.07                        | 19.91                    | 19.76                         | 19.77                  |                     |          |
| 15              | 16QAM      | 36      | 39        | 19.98                 | 19.97                        | 19.89                    | 19.70                         | 19.81                  | 20.5                | 0        |
| 15              | 16QAM      | 75      | 0         | 20.02                 | 20.11                        | 19.94                    | 19.82                         | 19.81                  |                     |          |
| 15              | 64QAM      | 1       | 0         | 19.69                 | 19.75                        | 19.43                    | 19.48                         | 19.34                  |                     |          |
| 15              | 64QAM      | 1       | 37        | 19.55                 | 19.72                        | 19.47                    | 19.42                         | 19.31                  | 20.5                | 0        |
| 15              | 64QAM      | 1       | 74        | 19.59                 | 19.62                        | 19.48                    | 19.29                         | 19.50                  |                     |          |
| 15              | 64QAM      | 36      | 0         | 19.90                 | 19.98                        | 19.68                    | 19.60                         | 19.52                  |                     |          |
| 15              | 64QAM      | 36      | 20        | 19.92                 | 19.97                        | 19.75                    | 19.57                         | 19.77                  | 20.5                | 0        |
| 15              | 64QAM      | 36      | 39        | 19.91                 | 19.88                        | 19.75                    | 19.69                         | 19.58                  |                     |          |
| 15              | 64QAM      | 75      | 0         | 19.92                 | 19.97                        | 19.76                    | 19.61                         | 19.71                  |                     |          |
| Channel         |            |         |           | 39700                 | 40160                        | 40620                    | 41080                         | 41540                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2501                  | 2547                         | 2593                     | 2639                          | 2685                   |                     |          |
| 10              | QPSK       | 1       | 0         | 20.08                 | 20.18                        | 19.98                    | 19.93                         | 19.87                  | 20.5                | 0        |
| 10              | QPSK       | 1       | 25        | 20.03                 | 20.17                        | 19.96                    | 19.87                         | 19.90                  |                     |          |
| 10              | QPSK       | 1       | 49        | 20.10                 | 20.20                        | 19.98                    | 19.90                         | 19.89                  |                     |          |

|                 |       |    |    |        |        |       |         |        |                           |             |
|-----------------|-------|----|----|--------|--------|-------|---------|--------|---------------------------|-------------|
| 10              | QPSK  | 25 | 0  | 19.91  | 20.02  | 19.83 | 19.71   | 19.73  | 20.5                      | 0           |
| 10              | QPSK  | 25 | 12 | 19.92  | 20.07  | 19.87 | 19.74   | 19.74  |                           |             |
| 10              | QPSK  | 25 | 25 | 19.85  | 20.02  | 19.83 | 19.67   | 19.73  |                           |             |
| 10              | QPSK  | 50 | 0  | 19.94  | 20.09  | 19.90 | 19.75   | 19.89  |                           |             |
| 10              | 16QAM | 1  | 0  | 19.83  | 19.98  | 19.83 | 19.64   | 19.61  | 20.5                      | 0           |
| 10              | 16QAM | 1  | 25 | 19.77  | 19.97  | 19.74 | 19.69   | 19.63  |                           |             |
| 10              | 16QAM | 1  | 49 | 19.76  | 19.95  | 19.75 | 19.57   | 19.58  |                           |             |
| 10              | 16QAM | 25 | 0  | 19.99  | 20.11  | 19.90 | 19.80   | 19.76  | 20.5                      | 0           |
| 10              | 16QAM | 25 | 12 | 19.99  | 20.14  | 19.90 | 19.80   | 19.76  |                           |             |
| 10              | 16QAM | 25 | 25 | 19.96  | 20.08  | 19.90 | 19.76   | 19.73  |                           |             |
| 10              | 16QAM | 50 | 0  | 20.01  | 20.12  | 19.94 | 19.80   | 19.78  |                           |             |
| 10              | 64QAM | 1  | 0  | 19.90  | 19.99  | 19.65 | 19.57   | 19.52  | 20.5                      | 0           |
| 10              | 64QAM | 1  | 25 | 19.74  | 19.86  | 19.63 | 19.50   | 19.55  |                           |             |
| 10              | 64QAM | 1  | 49 | 19.78  | 19.88  | 19.58 | 19.55   | 19.52  |                           |             |
| 10              | 64QAM | 25 | 0  | 20.13  | 20.18  | 19.93 | 19.84   | 19.88  | 20.5                      | 0           |
| 10              | 64QAM | 25 | 12 | 20.10  | 20.19  | 19.92 | 19.86   | 19.88  |                           |             |
| 10              | 64QAM | 25 | 25 | 20.13  | 20.19  | 19.92 | 19.81   | 19.88  |                           |             |
| 10              | 64QAM | 50 | 0  | 20.04  | 20.20  | 19.91 | 19.81   | 19.80  |                           |             |
| Channel         |       |    |    | 39675  | 40148  | 40620 | 41093   | 41565  | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |       |    |    | 2498.5 | 2545.8 | 2593  | 2640.30 | 2687.5 |                           |             |
| 5               | QPSK  | 1  | 0  | 20.08  | 20.23  | 20.07 | 19.88   | 19.97  | 20.5                      | 0           |
| 5               | QPSK  | 1  | 12 | 20.15  | 20.26  | 20.08 | 19.96   | 19.95  |                           |             |
| 5               | QPSK  | 1  | 24 | 20.10  | 20.25  | 20.03 | 19.93   | 19.90  |                           |             |
| 5               | QPSK  | 12 | 0  | 19.94  | 20.10  | 19.88 | 19.67   | 19.72  | 20.5                      | 0           |
| 5               | QPSK  | 12 | 7  | 19.97  | 20.12  | 19.90 | 19.72   | 19.73  |                           |             |
| 5               | QPSK  | 12 | 13 | 19.97  | 20.07  | 19.91 | 19.73   | 19.81  |                           |             |
| 5               | QPSK  | 25 | 0  | 19.97  | 20.08  | 19.90 | 19.67   | 19.76  |                           |             |
| 5               | 16QAM | 1  | 0  | 19.91  | 20.01  | 19.84 | 19.64   | 19.65  | 20.5                      | 0           |
| 5               | 16QAM | 1  | 12 | 19.93  | 20.06  | 19.87 | 19.71   | 19.65  |                           |             |
| 5               | 16QAM | 1  | 24 | 19.92  | 20.10  | 19.86 | 19.73   | 19.71  |                           |             |
| 5               | 16QAM | 12 | 0  | 19.89  | 19.98  | 19.77 | 19.56   | 19.59  | 20.5                      | 0           |
| 5               | 16QAM | 12 | 7  | 19.87  | 20.06  | 19.80 | 19.59   | 19.63  |                           |             |
| 5               | 16QAM | 12 | 13 | 19.89  | 20.02  | 19.79 | 19.61   | 19.62  |                           |             |
| 5               | 16QAM | 25 | 0  | 19.94  | 20.05  | 19.85 | 19.63   | 19.64  |                           |             |
| 5               | 64QAM | 1  | 0  | 19.58  | 19.66  | 19.44 | 19.24   | 19.23  | 20.5                      | 0           |
| 5               | 64QAM | 1  | 12 | 19.61  | 19.65  | 19.40 | 19.24   | 19.21  |                           |             |
| 5               | 64QAM | 1  | 24 | 19.63  | 19.66  | 19.41 | 19.31   | 19.26  |                           |             |
| 5               | 64QAM | 12 | 0  | 19.88  | 20.13  | 19.95 | 19.88   | 19.87  | 20.5                      | 0           |
| 5               | 64QAM | 12 | 7  | 19.92  | 20.09  | 20.00 | 19.86   | 19.85  |                           |             |
| 5               | 64QAM | 12 | 13 | 19.95  | 20.10  | 20.04 | 19.81   | 19.86  |                           |             |
| 5               | 64QAM | 25 | 0  | 20.01  | 19.98  | 19.96 | 19.82   | 19.88  |                           |             |

**<LTE Band 41 Power Class 2>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|------------------------------|--------------------------|-------------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 39750                 | 40185                        | 40620                    | 41055                         | 41490                  |                     |          |
| Frequency (MHz) |            |         |           | 2506                  | 2549.5                       | 2593                     | 2636.5                        | 2680                   |                     |          |
| 20              | QPSK       | 1       | 0         | 20.25                 | 20.23                        | 20.20                    | 20.25                         | 20.21                  |                     |          |
| 20              | QPSK       | 1       | 49        | 20.32                 | 20.20                        | 20.35                    | 20.31                         | 20.43                  | 20.5                | 0        |
| 20              | QPSK       | 1       | 99        | 20.10                 | 20.18                        | 20.23                    | 20.20                         | 20.19                  |                     |          |
| 20              | QPSK       | 50      | 0         | 20.39                 | 20.41                        | 20.30                    | 20.25                         | 20.40                  |                     |          |
| 20              | QPSK       | 50      | 24        | 20.41                 | 20.40                        | 20.33                    | 20.23                         | 20.42                  | 20.5                | 0        |
| 20              | QPSK       | 50      | 50        | 20.40                 | 20.42                        | 20.34                    | 20.13                         | 20.40                  |                     |          |
| 20              | QPSK       | 100     | 0         | 20.40                 | 20.41                        | 20.28                    | 20.18                         | 20.41                  |                     |          |
| 20              | 16QAM      | 1       | 0         | 20.40                 | 20.33                        | 20.21                    | 20.28                         | 20.41                  | 20.5                | 0        |
| 20              | 16QAM      | 1       | 49        | 20.32                 | 20.41                        | 20.26                    | 20.20                         | 20.36                  |                     |          |
| 20              | 16QAM      | 1       | 99        | 20.28                 | 20.41                        | 20.24                    | 20.21                         | 20.42                  |                     |          |
| 20              | 16QAM      | 50      | 0         | 20.38                 | 20.36                        | 20.29                    | 20.35                         | 20.40                  | 20.5                | 0        |
| 20              | 16QAM      | 50      | 24        | 20.41                 | 20.40                        | 20.35                    | 20.23                         | 20.41                  |                     |          |
| 20              | 16QAM      | 50      | 50        | 20.41                 | 20.42                        | 20.34                    | 20.17                         | 20.40                  |                     |          |
| 20              | 16QAM      | 100     | 0         | 20.38                 | 20.40                        | 20.31                    | 20.18                         | 20.41                  | 20.5                | 0        |
| 20              | 64QAM      | 1       | 0         | 20.25                 | 20.31                        | 20.05                    | 19.99                         | 19.90                  |                     |          |
| 20              | 64QAM      | 1       | 49        | 20.27                 | 20.31                        | 20.09                    | 19.97                         | 19.99                  |                     |          |
| 20              | 64QAM      | 1       | 99        | 20.25                 | 20.24                        | 20.09                    | 19.98                         | 20.19                  | 20.5                | 0        |
| 20              | 64QAM      | 50      | 0         | 20.15                 | 20.15                        | 20.07                    | 19.90                         | 19.97                  |                     |          |
| 20              | 64QAM      | 50      | 24        | 20.07                 | 20.11                        | 19.89                    | 19.77                         | 19.79                  |                     |          |
| 20              | 64QAM      | 50      | 50        | 20.05                 | 20.04                        | 19.89                    | 19.78                         | 19.99                  | 20.5                | 0        |
| 20              | 64QAM      | 100     | 0         | 20.05                 | 20.05                        | 19.87                    | 19.70                         | 19.77                  |                     |          |
| Channel         |            |         |           | 39725                 | 40173                        | 40620                    | 41068                         | 41515                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2503.5                | 2548.3                       | 2593                     | 2637.8                        | 2682.5                 |                     |          |
| 15              | QPSK       | 1       | 0         | 20.19                 | 20.27                        | 20.04                    | 20.04                         | 19.88                  |                     |          |
| 15              | QPSK       | 1       | 37        | 20.16                 | 20.32                        | 20.12                    | 20.02                         | 20.03                  | 20.5                | 0        |
| 15              | QPSK       | 1       | 74        | 20.19                 | 20.16                        | 20.07                    | 19.87                         | 20.11                  |                     |          |
| 15              | QPSK       | 36      | 0         | 20.36                 | 20.41                        | 20.24                    | 20.19                         | 20.10                  |                     |          |
| 15              | QPSK       | 36      | 20        | 20.40                 | 20.41                        | 20.31                    | 20.19                         | 20.16                  | 20.5                | 0        |
| 15              | QPSK       | 36      | 39        | 20.38                 | 20.42                        | 20.30                    | 20.11                         | 20.19                  |                     |          |
| 15              | QPSK       | 75      | 0         | 20.40                 | 20.40                        | 20.30                    | 20.17                         | 20.29                  |                     |          |
| 15              | 16QAM      | 1       | 0         | 20.40                 | 20.31                        | 20.23                    | 20.31                         | 20.05                  | 20.5                | 0        |
| 15              | 16QAM      | 1       | 37        | 20.35                 | 20.31                        | 20.28                    | 20.22                         | 20.21                  |                     |          |
| 15              | 16QAM      | 1       | 74        | 20.31                 | 20.39                        | 20.28                    | 20.10                         | 20.35                  |                     |          |
| 15              | 16QAM      | 36      | 0         | 20.28                 | 20.41                        | 20.24                    | 20.20                         | 20.08                  | 20.5                | 0        |
| 15              | 16QAM      | 36      | 20        | 20.39                 | 20.30                        | 20.31                    | 20.05                         | 20.20                  |                     |          |
| 15              | 16QAM      | 36      | 39        | 20.36                 | 20.35                        | 20.29                    | 20.02                         | 20.20                  |                     |          |
| 15              | 16QAM      | 75      | 0         | 20.33                 | 20.41                        | 20.31                    | 20.20                         | 20.21                  | 20.5                | 0        |
| 15              | 64QAM      | 1       | 0         | 19.98                 | 20.08                        | 19.75                    | 19.77                         | 19.70                  |                     |          |
| 15              | 64QAM      | 1       | 37        | 19.86                 | 20.06                        | 19.83                    | 19.72                         | 19.73                  |                     |          |
| 15              | 64QAM      | 1       | 74        | 19.87                 | 19.89                        | 19.78                    | 19.72                         | 19.83                  | 20.5                | 0        |
| 15              | 64QAM      | 36      | 0         | 19.98                 | 19.97                        | 20.02                    | 19.93                         | 19.94                  |                     |          |
| 15              | 64QAM      | 36      | 20        | 20.00                 | 20.12                        | 19.87                    | 19.72                         | 19.71                  |                     |          |
| 15              | 64QAM      | 36      | 39        | 19.98                 | 20.01                        | 19.83                    | 19.75                         | 19.76                  | 20.5                | 0        |
| 15              | 64QAM      | 75      | 0         | 20.03                 | 20.04                        | 19.85                    | 19.79                         | 19.74                  |                     |          |
| Channel         |            |         |           | 39700                 | 40160                        | 40620                    | 41080                         | 41540                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2501                  | 2547                         | 2593                     | 2639                          | 2685                   |                     |          |
| 10              | QPSK       | 1       | 0         | 19.98                 | 20.11                        | 19.89                    | 19.79                         | 19.82                  |                     |          |
| 10              | QPSK       | 1       | 25        | 19.97                 | 20.11                        | 19.91                    | 19.80                         | 19.83                  | 20.5                | 0        |
| 10              | QPSK       | 1       | 49        | 20.00                 | 20.07                        | 19.89                    | 19.79                         | 19.80                  |                     |          |

|                 |       |    |    |        |        |       |         |        |                           |             |
|-----------------|-------|----|----|--------|--------|-------|---------|--------|---------------------------|-------------|
| 10              | QPSK  | 25 | 0  | 20.20  | 20.36  | 20.11 | 20.05   | 20.05  | 20.5                      | 0           |
| 10              | QPSK  | 25 | 12 | 20.23  | 20.32  | 20.14 | 20.07   | 20.03  |                           |             |
| 10              | QPSK  | 25 | 25 | 20.16  | 20.32  | 20.14 | 20.05   | 19.97  |                           |             |
| 10              | QPSK  | 50 | 0  | 20.21  | 20.37  | 20.15 | 20.07   | 20.09  |                           |             |
| 10              | 16QAM | 1  | 0  | 20.26  | 20.38  | 20.17 | 20.07   | 20.06  | 20.5                      | 0           |
| 10              | 16QAM | 1  | 25 | 20.26  | 20.35  | 20.13 | 20.06   | 20.04  |                           |             |
| 10              | 16QAM | 1  | 49 | 20.20  | 20.33  | 20.14 | 20.04   | 20.02  |                           |             |
| 10              | 16QAM | 25 | 0  | 20.27  | 20.41  | 20.14 | 20.00   | 20.04  | 20.5                      | 0           |
| 10              | 16QAM | 25 | 12 | 20.28  | 20.38  | 20.16 | 20.03   | 20.03  |                           |             |
| 10              | 16QAM | 25 | 25 | 20.22  | 20.38  | 20.15 | 20.01   | 19.99  |                           |             |
| 10              | 16QAM | 50 | 0  | 20.25  | 20.39  | 20.18 | 20.03   | 20.03  |                           |             |
| 10              | 64QAM | 1  | 0  | 19.85  | 19.92  | 19.74 | 19.77   | 19.79  | 20.5                      | 0           |
| 10              | 64QAM | 1  | 25 | 19.82  | 19.86  | 19.85 | 19.74   | 19.78  |                           |             |
| 10              | 64QAM | 1  | 49 | 19.74  | 19.86  | 19.70 | 19.71   | 19.73  |                           |             |
| 10              | 64QAM | 25 | 0  | 19.98  | 20.03  | 19.75 | 19.72   | 19.77  | 20.5                      | 0           |
| 10              | 64QAM | 25 | 12 | 19.99  | 20.01  | 19.75 | 19.73   | 19.79  |                           |             |
| 10              | 64QAM | 25 | 25 | 19.80  | 20.00  | 19.72 | 19.71   | 19.78  |                           |             |
| 10              | 64QAM | 50 | 0  | 19.89  | 19.99  | 19.71 | 19.78   | 19.74  |                           |             |
| Channel         |       |    |    | 39675  | 40148  | 40620 | 41093   | 41565  | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |       |    |    | 2498.5 | 2545.8 | 2593  | 2640.30 | 2687.5 |                           |             |
| 5               | QPSK  | 1  | 0  | 20.01  | 20.14  | 20.02 | 19.83   | 19.85  | 20.5                      | 0           |
| 5               | QPSK  | 1  | 12 | 20.07  | 20.18  | 19.98 | 19.87   | 19.86  |                           |             |
| 5               | QPSK  | 1  | 24 | 20.06  | 20.20  | 20.00 | 19.84   | 19.87  |                           |             |
| 5               | QPSK  | 12 | 0  | 20.25  | 20.37  | 20.15 | 20.03   | 20.04  | 20.5                      | 0           |
| 5               | QPSK  | 12 | 7  | 20.25  | 20.38  | 20.20 | 20.04   | 20.07  |                           |             |
| 5               | QPSK  | 12 | 13 | 20.24  | 20.37  | 20.20 | 20.06   | 20.08  |                           |             |
| 5               | QPSK  | 25 | 0  | 20.23  | 20.34  | 20.16 | 19.99   | 20.04  |                           |             |
| 5               | 16QAM | 1  | 0  | 20.30  | 20.40  | 20.21 | 20.06   | 20.05  | 20.5                      | 0           |
| 5               | 16QAM | 1  | 12 | 20.35  | 20.40  | 20.21 | 20.09   | 20.07  |                           |             |
| 5               | 16QAM | 1  | 24 | 20.28  | 20.41  | 20.22 | 20.11   | 20.08  |                           |             |
| 5               | 16QAM | 12 | 0  | 20.29  | 20.39  | 20.14 | 19.96   | 20.00  | 20.5                      | 0           |
| 5               | 16QAM | 12 | 7  | 20.28  | 20.41  | 20.19 | 19.99   | 20.04  |                           |             |
| 5               | 16QAM | 12 | 13 | 20.27  | 20.41  | 20.17 | 20.05   | 20.02  |                           |             |
| 5               | 16QAM | 25 | 0  | 20.32  | 20.41  | 20.16 | 20.02   | 20.03  |                           |             |
| 5               | 64QAM | 1  | 0  | 19.92  | 19.92  | 19.78 | 19.73   | 19.75  | 20.5                      | 0           |
| 5               | 64QAM | 1  | 12 | 19.88  | 19.95  | 19.75 | 19.73   | 19.70  |                           |             |
| 5               | 64QAM | 1  | 24 | 19.87  | 20.00  | 19.72 | 19.73   | 19.79  |                           |             |
| 5               | 64QAM | 12 | 0  | 19.93  | 20.01  | 19.74 | 19.74   | 19.76  | 20.5                      | 0           |
| 5               | 64QAM | 12 | 7  | 19.97  | 20.01  | 19.79 | 19.78   | 19.82  |                           |             |
| 5               | 64QAM | 12 | 13 | 19.93  | 19.99  | 19.75 | 19.70   | 19.74  |                           |             |
| 5               | 64QAM | 25 | 0  | 19.94  | 20.06  | 19.79 | 19.72   | 19.77  |                           |             |

**<LTE Band 48>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|------------------------------|-------------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 55340                 | 55830                        | 56150                         | 56640                  |                     |          |
| Frequency (MHz) |            |         |           | 3560                  | 3609                         | 3641                          | 3690                   |                     |          |
| 20              | QPSK       | 1       | 0         | 16.74                 | 16.94                        | 16.69                         | 16.65                  | 17                  | 0        |
| 20              | QPSK       | 1       | 49        | 16.57                 | 16.75                        | 16.66                         | 16.63                  |                     |          |
| 20              | QPSK       | 1       | 99        | 16.72                 | 16.74                        | 16.68                         | 16.65                  |                     |          |
| 20              | QPSK       | 50      | 0         | 16.58                 | 16.91                        | 16.80                         | 16.76                  | 17                  | 0        |
| 20              | QPSK       | 50      | 24        | 16.57                 | 16.87                        | 16.66                         | 16.72                  |                     |          |
| 20              | QPSK       | 50      | 50        | 16.56                 | 16.62                        | 16.71                         | 16.60                  |                     |          |
| 20              | QPSK       | 100     | 0         | 16.54                 | 16.90                        | 16.83                         | 16.67                  | 17                  | 0        |
| 20              | 16QAM      | 1       | 0         | 16.54                 | 16.73                        | 16.64                         | 16.71                  |                     |          |
| 20              | 16QAM      | 1       | 49        | 16.52                 | 16.65                        | 16.58                         | 16.67                  |                     |          |
| 20              | 16QAM      | 1       | 99        | 16.50                 | 16.72                        | 16.52                         | 16.71                  | 17                  | 0        |
| 20              | 16QAM      | 50      | 0         | 16.47                 | 16.78                        | 16.55                         | 16.90                  |                     |          |
| 20              | 16QAM      | 50      | 24        | 16.54                 | 16.44                        | 16.63                         | 16.92                  |                     |          |
| 20              | 16QAM      | 50      | 50        | 16.52                 | 16.47                        | 16.72                         | 16.93                  | 17                  | 0        |
| 20              | 16QAM      | 100     | 0         | 16.54                 | 16.54                        | 16.67                         | 16.93                  |                     |          |
| 20              | 64QAM      | 1       | 0         | 16.65                 | 16.64                        | 16.73                         | 16.61                  |                     |          |
| 20              | 64QAM      | 1       | 49        | 16.65                 | 16.48                        | 16.58                         | 16.65                  | 17                  | 0        |
| 20              | 64QAM      | 1       | 99        | 16.62                 | 16.41                        | 16.54                         | 16.70                  |                     |          |
| 20              | 64QAM      | 50      | 0         | 16.57                 | 16.64                        | 16.47                         | 16.82                  |                     |          |
| 20              | 64QAM      | 50      | 24        | 16.47                 | 16.75                        | 16.42                         | 16.75                  | 17                  | 0        |
| 20              | 64QAM      | 50      | 50        | 16.37                 | 16.63                        | 16.41                         | 16.86                  |                     |          |
| 20              | 64QAM      | 100     | 0         | 16.41                 | 16.42                        | 16.64                         | 16.81                  |                     |          |
| Channel         |            |         |           | 55315                 | 55820                        | 56160                         | 56665                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3557.5                | 3608                         | 3642                          | 3692.5                 |                     |          |
| 15              | QPSK       | 1       | 0         | 16.41                 | 16.64                        | 16.60                         | 16.62                  | 17                  | 0        |
| 15              | QPSK       | 1       | 37        | 16.37                 | 16.73                        | 16.63                         | 16.64                  |                     |          |
| 15              | QPSK       | 1       | 74        | 16.44                 | 16.57                        | 16.64                         | 16.57                  |                     |          |
| 15              | QPSK       | 36      | 0         | 16.55                 | 16.73                        | 16.72                         | 16.46                  | 17                  | 0        |
| 15              | QPSK       | 36      | 20        | 16.53                 | 16.67                        | 16.73                         | 16.35                  |                     |          |
| 15              | QPSK       | 36      | 39        | 16.64                 | 16.58                        | 16.54                         | 16.34                  |                     |          |
| 15              | QPSK       | 75      | 0         | 16.55                 | 16.47                        | 16.58                         | 16.65                  | 17                  | 0        |
| 15              | 16QAM      | 1       | 0         | 16.62                 | 16.41                        | 16.47                         | 16.63                  |                     |          |
| 15              | 16QAM      | 1       | 37        | 16.47                 | 16.51                        | 16.38                         | 16.36                  |                     |          |
| 15              | 16QAM      | 1       | 74        | 16.41                 | 16.58                        | 16.55                         | 16.31                  | 17                  | 0        |
| 15              | 16QAM      | 36      | 0         | 16.37                 | 16.66                        | 16.57                         | 16.35                  |                     |          |
| 15              | 16QAM      | 36      | 20        | 16.45                 | 16.52                        | 16.53                         | 16.44                  |                     |          |
| 15              | 16QAM      | 36      | 39        | 16.46                 | 16.72                        | 16.52                         | 16.51                  | 17                  | 0        |
| 15              | 16QAM      | 75      | 0         | 16.37                 | 16.64                        | 16.63                         | 16.72                  |                     |          |
| 15              | 64QAM      | 1       | 0         | 16.54                 | 16.52                        | 16.54                         | 16.66                  |                     |          |
| 15              | 64QAM      | 1       | 37        | 16.53                 | 16.57                        | 16.37                         | 16.73                  | 17                  | 0        |
| 15              | 64QAM      | 1       | 74        | 16.57                 | 16.56                        | 16.37                         | 16.57                  |                     |          |
| 15              | 64QAM      | 36      | 0         | 16.64                 | 16.52                        | 16.34                         | 16.55                  |                     |          |
| 15              | 64QAM      | 36      | 20        | 16.63                 | 16.55                        | 16.47                         | 16.70                  | 17                  | 0        |
| 15              | 64QAM      | 36      | 39        | 16.57                 | 16.67                        | 16.49                         | 16.63                  |                     |          |
| 15              | 64QAM      | 75      | 0         | 16.56                 | 16.47                        | 16.56                         | 16.44                  |                     |          |
| Channel         |            |         |           | 55290                 | 55815                        | 56165                         | 56690                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3555                  | 3607.5                       | 3642.5                        | 3695                   |                     |          |
| 10              | QPSK       | 1       | 0         | 16.62                 | 16.70                        | 16.53                         | 16.34                  | 17                  | 0        |
| 10              | QPSK       | 1       | 25        | 16.60                 | 16.39                        | 16.49                         | 16.51                  |                     |          |
| 10              | QPSK       | 1       | 49        | 16.33                 | 16.71                        | 16.52                         | 16.50                  |                     |          |
| 10              | QPSK       | 25      | 0         | 16.28                 | 16.54                        | 16.64                         | 16.54                  | 17                  | 0        |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

|                 |       |    |    |        |       |       |        |                           |             |
|-----------------|-------|----|----|--------|-------|-------|--------|---------------------------|-------------|
| 10              | QPSK  | 25 | 12 | 16.32  | 16.63 | 16.44 | 16.43  |                           |             |
| 10              | QPSK  | 25 | 25 | 16.41  | 16.65 | 16.63 | 16.50  |                           |             |
| 10              | QPSK  | 50 | 0  | 16.48  | 16.70 | 16.49 | 16.61  |                           |             |
| 10              | 16QAM | 1  | 0  | 16.69  | 16.50 | 16.69 | 16.52  | 17                        | 0           |
| 10              | 16QAM | 1  | 25 | 16.63  | 16.59 | 16.61 | 16.59  |                           |             |
| 10              | 16QAM | 1  | 49 | 16.70  | 16.60 | 16.49 | 16.44  |                           |             |
| 10              | 16QAM | 25 | 0  | 16.54  | 16.54 | 16.54 | 16.60  | 17                        | 0           |
| 10              | 16QAM | 25 | 12 | 16.52  | 16.52 | 16.64 | 16.54  |                           |             |
| 10              | 16QAM | 25 | 25 | 16.67  | 16.70 | 16.55 | 16.53  |                           |             |
| 10              | 16QAM | 50 | 0  | 16.60  | 16.69 | 16.44 | 16.38  | 17                        | 0           |
| 10              | 64QAM | 1  | 0  | 16.41  | 16.54 | 16.38 | 16.34  |                           |             |
| 10              | 64QAM | 1  | 25 | 16.59  | 16.62 | 16.48 | 16.41  |                           |             |
| 10              | 64QAM | 1  | 49 | 16.61  | 16.58 | 16.55 | 16.52  | 17                        | 0           |
| 10              | 64QAM | 25 | 0  | 16.54  | 16.51 | 16.61 | 16.44  |                           |             |
| 10              | 64QAM | 25 | 12 | 16.43  | 16.52 | 16.70 | 16.38  |                           |             |
| 10              | 64QAM | 25 | 25 | 16.32  | 16.44 | 16.54 | 16.34  | 17                        | 0           |
| 10              | 64QAM | 50 | 0  | 16.31  | 16.38 | 16.70 | 16.59  |                           |             |
| Channel         |       |    |    | 55265  | 55810 | 56170 | 56715  | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |       |    |    | 3552.5 | 3607  | 3643  | 3697.5 |                           |             |
| 5               | QPSK  | 1  | 0  | 16.38  | 16.74 | 16.69 | 16.66  | 17                        | 0           |
| 5               | QPSK  | 1  | 12 | 16.41  | 16.80 | 16.80 | 16.69  |                           |             |
| 5               | QPSK  | 1  | 24 | 16.48  | 16.85 | 16.84 | 16.68  |                           |             |
| 5               | QPSK  | 12 | 0  | 16.58  | 16.77 | 16.84 | 16.70  | 17                        | 0           |
| 5               | QPSK  | 12 | 7  | 16.42  | 16.58 | 16.61 | 16.85  |                           |             |
| 5               | QPSK  | 12 | 13 | 16.35  | 16.52 | 16.65 | 16.81  |                           |             |
| 5               | QPSK  | 25 | 0  | 16.58  | 16.46 | 16.61 | 16.84  | 17                        | 0           |
| 5               | 16QAM | 1  | 0  | 16.69  | 16.49 | 16.74 | 16.67  |                           |             |
| 5               | 16QAM | 1  | 12 | 16.57  | 16.36 | 16.66 | 16.59  |                           |             |
| 5               | 16QAM | 1  | 24 | 16.36  | 16.35 | 16.72 | 16.81  | 17                        | 0           |
| 5               | 16QAM | 12 | 0  | 16.50  | 16.58 | 16.73 | 16.66  |                           |             |
| 5               | 16QAM | 12 | 7  | 16.37  | 16.41 | 16.55 | 16.65  |                           |             |
| 5               | 16QAM | 12 | 13 | 16.39  | 16.60 | 16.59 | 16.65  | 17                        | 0           |
| 5               | 16QAM | 25 | 0  | 16.35  | 16.60 | 16.64 | 16.76  |                           |             |
| 5               | 64QAM | 1  | 0  | 16.58  | 16.62 | 16.65 | 16.74  |                           |             |
| 5               | 64QAM | 1  | 12 | 16.49  | 16.61 | 16.61 | 16.68  | 17                        | 0           |
| 5               | 64QAM | 1  | 24 | 16.57  | 16.67 | 16.65 | 16.79  |                           |             |
| 5               | 64QAM | 12 | 0  | 16.48  | 16.52 | 16.73 | 16.31  |                           |             |
| 5               | 64QAM | 12 | 7  | 16.52  | 16.48 | 16.71 | 16.66  | 17                        | 0           |
| 5               | 64QAM | 12 | 13 | 16.41  | 16.66 | 16.59 | 16.69  |                           |             |
| 5               | 64QAM | 25 | 0  | 16.49  | 16.57 | 16.64 | 16.68  |                           |             |



**<Reduced power mode 3 for Hotspot with 5GHz Wifi>**

**<UAT>**

**<LTE Band 48>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|------------------------------|-------------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 55340                 | 55830                        | 56150                         | 56640                  | 20.3                | 0        |
| Frequency (MHz) |            |         |           | 3560                  | 3609                         | 3641                          | 3690                   |                     |          |
| 20              | QPSK       | 1       | 0         | 19.49                 | 19.78                        | 19.63                         | 19.68                  | 20.3                | 0        |
| 20              | QPSK       | 1       | 49        | 19.43                 | 19.75                        | 19.60                         | 19.65                  |                     |          |
| 20              | QPSK       | 1       | 99        | 19.32                 | 19.76                        | 19.62                         | 19.58                  |                     |          |
| 20              | QPSK       | 50      | 0         | 19.54                 | 19.76                        | 19.53                         | 19.65                  | 20.3                | 0        |
| 20              | QPSK       | 50      | 24        | 19.53                 | 19.72                        | 19.52                         | 19.63                  |                     |          |
| 20              | QPSK       | 50      | 50        | 19.45                 | 19.67                        | 19.48                         | 19.54                  |                     |          |
| 20              | QPSK       | 100     | 0         | 19.47                 | 19.68                        | 19.56                         | 19.71                  | 20.3                | 0        |
| 20              | 16QAM      | 1       | 0         | 19.56                 | 19.69                        | 19.46                         | 19.56                  |                     |          |
| 20              | 16QAM      | 1       | 49        | 19.67                 | 19.71                        | 19.51                         | 19.68                  |                     |          |
| 20              | 16QAM      | 1       | 99        | 19.65                 | 19.75                        | 19.42                         | 19.71                  | 20.3                | 0        |
| 20              | 16QAM      | 50      | 0         | 19.53                 | 19.77                        | 19.43                         | 19.63                  |                     |          |
| 20              | 16QAM      | 50      | 24        | 19.57                 | 19.68                        | 19.56                         | 19.54                  |                     |          |
| 20              | 16QAM      | 50      | 50        | 19.57                 | 19.59                        | 19.57                         | 19.52                  | 20.3                | 0        |
| 20              | 16QAM      | 100     | 0         | 19.61                 | 19.70                        | 19.40                         | 19.59                  |                     |          |
| 20              | 64QAM      | 1       | 0         | 19.36                 | 19.65                        | 19.52                         | 19.57                  |                     |          |
| 20              | 64QAM      | 1       | 49        | 19.34                 | 19.60                        | 19.48                         | 19.46                  | 20.3                | 0        |
| 20              | 64QAM      | 1       | 99        | 19.33                 | 19.64                        | 19.44                         | 19.62                  |                     |          |
| 20              | 64QAM      | 50      | 0         | 19.53                 | 19.58                        | 19.35                         | 19.65                  |                     |          |
| 20              | 64QAM      | 50      | 24        | 19.57                 | 19.63                        | 19.46                         | 19.52                  | 20.3                | 0        |
| 20              | 64QAM      | 50      | 50        | 19.59                 | 19.64                        | 19.51                         | 19.63                  |                     |          |
| 20              | 64QAM      | 100     | 0         | 19.58                 | 19.58                        | 19.58                         | 19.45                  |                     |          |
| Channel         |            |         |           | 55315                 | 55820                        | 56160                         | 56665                  | 20.3                | 0        |
| Frequency (MHz) |            |         |           | 3557.5                | 3608                         | 3642                          | 3692.5                 |                     |          |
| 15              | QPSK       | 1       | 0         | 19.46                 | 19.64                        | 19.58                         | 19.45                  | 20.3                | 0        |
| 15              | QPSK       | 1       | 37        | 19.45                 | 19.54                        | 19.55                         | 19.51                  |                     |          |
| 15              | QPSK       | 1       | 74        | 19.39                 | 19.52                        | 19.56                         | 19.50                  |                     |          |
| 15              | QPSK       | 36      | 0         | 19.35                 | 19.58                        | 19.46                         | 19.56                  | 20.3                | 0        |
| 15              | QPSK       | 36      | 20        | 19.45                 | 19.52                        | 19.61                         | 19.45                  |                     |          |
| 15              | QPSK       | 36      | 39        | 19.52                 | 19.56                        | 19.48                         | 19.35                  |                     |          |
| 15              | QPSK       | 75      | 0         | 19.45                 | 19.65                        | 19.58                         | 19.45                  | 20.3                | 0        |
| 15              | 16QAM      | 1       | 0         | 19.45                 | 19.63                        | 19.52                         | 19.44                  |                     |          |
| 15              | 16QAM      | 1       | 37        | 19.44                 | 19.68                        | 19.40                         | 19.49                  |                     |          |
| 15              | 16QAM      | 1       | 74        | 19.40                 | 19.59                        | 19.55                         | 19.50                  | 20.3                | 0        |
| 15              | 16QAM      | 36      | 0         | 19.39                 | 19.54                        | 19.56                         | 19.56                  |                     |          |
| 15              | 16QAM      | 36      | 20        | 19.37                 | 19.64                        | 19.61                         | 19.52                  |                     |          |
| 15              | 16QAM      | 36      | 39        | 19.51                 | 19.50                        | 19.68                         | 19.46                  | 20.3                | 0        |
| 15              | 16QAM      | 75      | 0         | 19.46                 | 19.62                        | 19.45                         | 19.48                  |                     |          |
| 15              | 64QAM      | 1       | 0         | 19.38                 | 19.68                        | 19.46                         | 19.43                  |                     |          |
| 15              | 64QAM      | 1       | 37        | 19.33                 | 19.58                        | 19.58                         | 19.33                  | 20.3                | 0        |
| 15              | 64QAM      | 1       | 74        | 19.43                 | 19.63                        | 19.52                         | 19.56                  |                     |          |
| 15              | 64QAM      | 36      | 0         | 19.48                 | 19.53                        | 19.53                         | 19.54                  |                     |          |
| 15              | 64QAM      | 36      | 20        | 19.46                 | 19.45                        | 19.33                         | 19.45                  | 20.3                | 0        |
| 15              | 64QAM      | 36      | 39        | 19.52                 | 19.46                        | 19.39                         | 19.60                  |                     |          |
| 15              | 64QAM      | 75      | 0         | 19.52                 | 19.59                        | 19.45                         | 19.45                  |                     |          |
| Channel         |            |         |           | 55290                 | 55815                        | 56165                         | 56690                  | 20.3                | 0        |
| Frequency (MHz) |            |         |           | 3555                  | 3607.5                       | 3642.5                        | 3695                   |                     |          |
| 10              | QPSK       | 1       | 0         | 19.39                 | 19.45                        | 19.44                         | 19.35                  | 20.3                | 0        |
| 10              | QPSK       | 1       | 25        | 19.33                 | 19.48                        | 19.41                         | 19.42                  |                     |          |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

|                 |       |    |    |        |       |       |        |                           |             |
|-----------------|-------|----|----|--------|-------|-------|--------|---------------------------|-------------|
| 10              | QPSK  | 1  | 49 | 19.45  | 19.38 | 19.40 | 19.38  |                           |             |
| 10              | QPSK  | 25 | 0  | 19.29  | 19.40 | 19.29 | 19.40  | 20.3                      | 0           |
| 10              | QPSK  | 25 | 12 | 19.46  | 19.51 | 19.35 | 19.28  |                           |             |
| 10              | QPSK  | 25 | 25 | 19.35  | 19.52 | 19.26 | 19.35  |                           |             |
| 10              | QPSK  | 50 | 0  | 19.45  | 19.47 | 19.35 | 19.36  |                           |             |
| 10              | 16QAM | 1  | 0  | 19.38  | 19.52 | 19.25 | 19.46  | 20.3                      | 0           |
| 10              | 16QAM | 1  | 25 | 19.46  | 19.48 | 19.23 | 19.47  |                           |             |
| 10              | 16QAM | 1  | 49 | 19.49  | 19.38 | 19.35 | 19.29  |                           |             |
| 10              | 16QAM | 25 | 0  | 19.35  | 19.36 | 19.36 | 19.33  | 20.3                      | 0           |
| 10              | 16QAM | 25 | 12 | 19.39  | 19.41 | 19.42 | 19.25  |                           |             |
| 10              | 16QAM | 25 | 25 | 19.42  | 19.52 | 19.44 | 19.36  |                           |             |
| 10              | 16QAM | 50 | 0  | 19.39  | 19.56 | 19.36 | 19.48  |                           |             |
| 10              | 64QAM | 1  | 0  | 19.51  | 19.45 | 19.42 | 19.40  | 20.3                      | 0           |
| 10              | 64QAM | 1  | 25 | 19.49  | 19.48 | 19.23 | 19.46  |                           |             |
| 10              | 64QAM | 1  | 49 | 19.48  | 19.43 | 19.39 | 19.38  |                           |             |
| 10              | 64QAM | 25 | 0  | 19.43  | 19.35 | 19.46 | 19.33  | 20.3                      | 0           |
| 10              | 64QAM | 25 | 12 | 19.35  | 19.38 | 19.28 | 19.29  |                           |             |
| 10              | 64QAM | 25 | 25 | 19.25  | 19.42 | 19.30 | 19.36  |                           |             |
| 10              | 64QAM | 50 | 0  | 19.29  | 19.43 | 19.41 | 19.47  |                           |             |
| Channel         |       |    |    | 55265  | 55810 | 56170 | 56715  | Tune-up<br>limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |       |    |    | 3552.5 | 3607  | 3643  | 3697.5 |                           |             |
| 5               | QPSK  | 1  | 0  | 19.44  | 19.35 | 19.37 | 19.39  | 20.3                      | 0           |
| 5               | QPSK  | 1  | 12 | 19.31  | 19.42 | 19.52 | 19.38  |                           |             |
| 5               | QPSK  | 1  | 24 | 19.41  | 19.19 | 19.53 | 19.34  |                           |             |
| 5               | QPSK  | 12 | 0  | 19.35  | 19.35 | 19.58 | 19.33  | 20.3                      | 0           |
| 5               | QPSK  | 12 | 7  | 19.23  | 19.19 | 19.40 | 19.31  |                           |             |
| 5               | QPSK  | 12 | 13 | 19.35  | 19.29 | 19.52 | 19.41  |                           |             |
| 5               | QPSK  | 25 | 0  | 19.33  | 19.30 | 19.46 | 19.37  |                           |             |
| 5               | 16QAM | 1  | 0  | 19.39  | 19.24 | 19.47 | 19.36  | 20.3                      | 0           |
| 5               | 16QAM | 1  | 12 | 19.38  | 19.19 | 19.27 | 19.34  |                           |             |
| 5               | 16QAM | 1  | 24 | 19.44  | 19.32 | 19.33 | 19.42  |                           |             |
| 5               | 16QAM | 12 | 0  | 19.33  | 19.17 | 19.39 | 19.49  | 20.3                      | 0           |
| 5               | 16QAM | 12 | 7  | 19.23  | 19.29 | 19.36 | 19.50  |                           |             |
| 5               | 16QAM | 12 | 13 | 19.33  | 19.33 | 19.41 | 19.55  |                           |             |
| 5               | 16QAM | 25 | 0  | 19.27  | 19.13 | 19.38 | 19.62  |                           |             |
| 5               | 64QAM | 1  | 0  | 19.33  | 19.25 | 19.30 | 19.39  | 20.3                      | 0           |
| 5               | 64QAM | 1  | 12 | 19.40  | 19.37 | 19.41 | 19.55  |                           |             |
| 5               | 64QAM | 1  | 24 | 19.37  | 19.39 | 19.33 | 19.48  |                           |             |
| 5               | 64QAM | 12 | 0  | 19.38  | 19.40 | 19.53 | 19.39  | 20.3                      | 0           |
| 5               | 64QAM | 12 | 7  | 19.43  | 19.46 | 19.51 | 19.42  |                           |             |
| 5               | 64QAM | 12 | 13 | 19.20  | 19.42 | 19.45 | 19.38  |                           |             |
| 5               | 64QAM | 25 | 0  | 19.27  | 19.35 | 19.55 | 19.31  |                           |             |

**<Band 41 Power Class 2 and Power Class 3 Linearity>**

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

**<LTE Band 41 Linearity Data for Head>**
**<Full power>**
**<LAT>**

|                                     | LTE Band 41<br>(Power Class 3) | LTE Band 41<br>(Power Class 2) |
|-------------------------------------|--------------------------------|--------------------------------|
| Maximum Tune up Power (dBm)         | 23.80                          | 26.30                          |
| Reported 1g SAR (W/kg)              | 0.084                          | 0.102                          |
| Duty Cycle                          | 63.30%                         | 43.30%                         |
| Frame Averaged (mW)                 | 151.85                         | 184.71                         |
| Linearity SAR (W/kg)                | 0.102                          |                                |
| % deviation from expected linearity |                                | -0.18%                         |

**<Reduced power mode 1 for At-Head>**
**<UAT>**

|                                     | LTE Band 41<br>(Power Class 3) | LTE Band 41<br>(Power Class 2) |
|-------------------------------------|--------------------------------|--------------------------------|
| Maximum Tune up Power (dBm)         | 19.50                          | 19.50                          |
| Reported 1g SAR (W/kg)              | 0.904                          | 0.629                          |
| Duty Cycle                          | 63.30%                         | 43.30%                         |
| Frame Averaged (mW)                 | 56.42                          | 38.59                          |
| Linearity SAR (W/kg)                | 0.618                          |                                |
| % deviation from expected linearity |                                | 1.72%                          |

**<Reduced power mode 2 for At-Head with 2.4GHz Wifi>**
**<UAT>**

|                                     | LTE Band 41<br>(Power Class 3) | LTE Band 41<br>(Power Class 2) |
|-------------------------------------|--------------------------------|--------------------------------|
| Maximum Tune up Power (dBm)         | 19.50                          | 19.50                          |
| Reported 1g SAR (W/kg)              | 0.904                          | 0.629                          |
| Duty Cycle                          | 63.30%                         | 43.30%                         |
| Frame Averaged (mW)                 | 56.42                          | 38.59                          |
| Linearity SAR (W/kg)                | 0.618                          |                                |
| % deviation from expected linearity |                                | 1.72%                          |

**<Reduced power mode 2 for At-Head with 5GHz Wifi>**
**<UAT>**

|                                     | LTE Band 41<br>(Power Class 3) | LTE Band 41<br>(Power Class 2) |
|-------------------------------------|--------------------------------|--------------------------------|
| Maximum Tune up Power (dBm)         | 20.50                          | 20.50                          |
| Reported 1g SAR (W/kg)              | 1.185                          | 0.772                          |
| Duty Cycle                          | 63.30%                         | 43.30%                         |
| Frame Averaged (mW)                 | 71.02                          | 48.58                          |
| Linearity SAR (W/kg)                | 0.811                          |                                |
| % deviation from expected linearity |                                | -4.76%                         |

**<LTE Band 41 Linearity Data for Hotspot>**
**<Full power>**
**<UAT>**

|                                     | LTE Band 41<br>(Power Class 3) | LTE Band 41<br>(Power Class 2) |
|-------------------------------------|--------------------------------|--------------------------------|
| Maximum Tune up Power (dBm)         | 21.90                          | 24.40                          |
| Reported 1g SAR (W/kg)              | 0.521                          | 0.631                          |
| Duty Cycle                          | 63.30%                         | 43.30%                         |
| Frame Averaged (mW)                 | 98.04                          | 119.26                         |
| Linearity SAR (W/kg)                | 0.634                          |                                |
| % deviation from expected linearity |                                | -0.43%                         |

**<LAT>**

|                                     | LTE Band 41<br>(Power Class 3) | LTE Band 41<br>(Power Class 2) |
|-------------------------------------|--------------------------------|--------------------------------|
| Maximum Tune up Power (dBm)         | 23.80                          | 26.30                          |
| Reported 1g SAR (W/kg)              | 0.876                          | 0.971                          |
| Duty Cycle                          | 63.30%                         | 43.30%                         |
| Frame Averaged (mW)                 | 151.85                         | 184.71                         |
| Linearity SAR (W/kg)                | 1.066                          |                                |
| % deviation from expected linearity |                                | -8.88%                         |

**<LTE Band 41 Linearity Data for Body-worn>**
**<Full power>**
**<UAT>**

|                                     | LTE Band 41<br>(Power Class 3) | LTE Band 41<br>(Power Class 2) |
|-------------------------------------|--------------------------------|--------------------------------|
| Maximum Tune up Power (dBm)         | 21.90                          | 24.40                          |
| Reported 1g SAR (W/kg)              | 0.195                          | 0.229                          |
| Duty Cycle                          | 63.30%                         | 43.30%                         |
| Frame Averaged (mW)                 | 98.04                          | 119.26                         |
| Linearity SAR (W/kg)                | 0.237                          |                                |
| % deviation from expected linearity |                                | -3.46%                         |

**<LAT>**

|                                     | LTE Band 41<br>(Power Class 3) | LTE Band 41<br>(Power Class 2) |
|-------------------------------------|--------------------------------|--------------------------------|
| Maximum Tune up Power (dBm)         | 23.80                          | 26.30                          |
| Reported 1g SAR (W/kg)              | 0.204                          | 0.266                          |
| Duty Cycle                          | 63.30%                         | 43.30%                         |
| Frame Averaged (mW)                 | 151.85                         | 184.71                         |
| Linearity SAR (W/kg)                | 0.248                          |                                |
| % deviation from expected linearity |                                | 7.19%                          |

**<LTE Carrier Aggregation combinations>**
**General Note:**

1. This device supports carrier aggregation on uplink and downlink for inter and intra band. For the device supports combination bands and configurations are according to 3GPP and the combinations list as below table.
2. All permutations exist. No restrictions on Pcell & SCell combinations. Only LTE Band 29 and band 46 is limited to SCell.

| 2CC Downlink Carrier Aggregation |             |               |             |                                 | 3CC Downlink Carrier Aggregation |                |                                  |             |                                 |
|----------------------------------|-------------|---------------|-------------|---------------------------------|----------------------------------|----------------|----------------------------------|-------------|---------------------------------|
| Number                           | Combination | 4X4 MIMO      | Restriction | Covered by Measurement Superset | Number                           | Combination    | 4X4 MIMO                         | Restriction | Covered by Measurement Superset |
| 1                                | CA_12A-30A  |               |             |                                 | 1                                | CA_12A-30A-66A | B66                              |             |                                 |
| 2                                | CA_12A-66A  | B66           |             |                                 | 2                                | CA_12A-66A-66A | B66,B66-B66                      |             |                                 |
| 3                                | CA_13A-66A  | B66           |             |                                 | 3                                | CA_12A-66C     | B66C                             |             |                                 |
| 4                                | CA_25A-26A  |               |             |                                 | 4                                | CA_13A-66A-66A | B66,B66-B66                      |             |                                 |
| 5                                | CA_29A-30A  |               |             |                                 | 5                                | CA_2A-12A-30A  | B2                               |             |                                 |
| 6                                | CA_2A-12A   | B2            |             |                                 | 6                                | CA_2A-12A-66A  | B2,B66,B2-B66                    |             |                                 |
| 7                                | CA_2A-13A   | B2            |             |                                 | 7                                | CA_2A-13A-66A  | B2,B66,B2-B66                    |             |                                 |
| 8                                | CA_2A-29A   | B2            |             |                                 | 8                                | CA_2A-29A-30A  | B2                               |             |                                 |
| 9                                | CA_2A-2A    | B2,B2-B2      |             |                                 | 9                                | CA_2A-2A-12A   | B2,B2-B2                         |             |                                 |
| 10                               | CA_2A-30A   | B2            |             |                                 | 10                               | CA_2A-2A-12A   | B2, B2-B2                        |             |                                 |
| 11                               | CA_2A-48A   | B2            |             |                                 | 11                               | CA_2A-2A-13A   | B2,B2-B2                         |             |                                 |
| 12                               | CA_2A-4A    | B2,B4,B2-B4   |             |                                 | 12                               | CA_2A-2A-4A    | B2,B4,B2-B2,B2-B4                |             |                                 |
| 13                               | CA_2A-4A    |               |             |                                 | 13                               | CA_2A-2A-5A    | B2,B2-B2                         |             |                                 |
| 14                               | CA_2A-4A    | B2,B2-B4      |             |                                 | 14                               | CA_2A-2A-66A   | B2,B66,B2-B2,B2-B66              |             |                                 |
| 15                               | CA_2A-5A    | B2            |             |                                 | 15                               | CA_2A-2A-66A   | B2,B66, B2-B2,B2-B66             |             |                                 |
| 16                               | CA_2A-66A   | B2,B66,B2-B66 |             |                                 | 16                               | CA_2A-2A-71A   | B2, B2-B2                        |             |                                 |
| 17                               | CA_2A-66A   | B2,B2-B66     |             |                                 | 17                               | CA_2A-48A-48A  | B2                               |             |                                 |
| 18                               | CA_2A-71A   | B2            |             |                                 | 18                               | CA_2A-48A-66A  | B2,B66,B2-B66                    |             |                                 |
| 19                               | CA_2A-7A    | B7            |             |                                 | 19                               | CA_2A-48C      | B2                               |             |                                 |
| 20                               | CA_2C       | B2C           |             |                                 | 20                               | CA_2A-4A-12A   | B2,B4,B2-B4                      |             |                                 |
| 21                               | CA_38C      |               |             |                                 | 21                               | CA_2A-4A-13A   | B2,B4,B2-B4                      |             |                                 |
| 22                               | CA_41A-41A  |               |             |                                 | 22                               | CA_2A-4A-29A   | B2,B4,B2-B4                      |             |                                 |
| 23                               | CA_41C      |               |             |                                 | 23                               | CA_2A-4A-4A    | B2,B4,B2-B4,B4-B4                |             |                                 |
| 24                               | CA_48A-48A  |               |             |                                 | 24                               | CA_2A-4A-5A    | B2,B4,B2-B4                      |             |                                 |
| 25                               | CA_48A-66A  | B66           |             |                                 | 25                               | CA_2A-4A-71A   | B2,B4,B2-B4                      |             |                                 |
| 26                               | CA_48C      |               |             |                                 | 26                               | CA_2A-4A-7A    | B2,B4,B7,B2-B4(PCC: B4,B7)       |             |                                 |
| 27                               | CA_4A-12A   | B4            |             |                                 | 27                               | CA_2A-5A-30A   | B2                               |             |                                 |
| 28                               | CA_4A-13A   | B4            |             |                                 | 28                               | CA_2A-5A-66A   | B2,B66,B2-B66                    |             |                                 |
| 29                               | CA_4A-17A   | B4            |             |                                 | 29                               | CA_2A-66A-66A  | B2,B66,B2-B66,B66-B66            |             |                                 |
| 30                               | CA_4A-29A   | B4            |             |                                 | 30                               | CA_2A-66A-66A  | B2,B66,B2-B66,B66-B66,B2-B66-B66 |             |                                 |
| 31                               | CA_4A-30A   | B4            |             |                                 | 31                               | CA_2A-66A-71A  | B2,B66,B2-B66                    |             |                                 |
| 32                               | CA_4A-4A    | B4,B4-B4      |             |                                 | 32                               | CA_2A-66C      | B2,66C,B2-B66C                   |             |                                 |
| 33                               | CA_4A-5A    | B4            |             |                                 | 33                               | CA_2A-7A-7A    | B2,B7,B7-B7(PCC : B7)            |             |                                 |
| 34                               | CA_4A-71A   | B4            |             |                                 | 34                               | CA_2C-66A      | B2C,B66,2C-B66A                  |             |                                 |

| 2CC Downlink Carrier Aggregation |             |             |             |                                 | 3CC Downlink Carrier Aggregation |                |                  |             |                                 |
|----------------------------------|-------------|-------------|-------------|---------------------------------|----------------------------------|----------------|------------------|-------------|---------------------------------|
| Number                           | Combination | 4X4 MIMO    | Restriction | Covered by Measurement Superset | Number                           | Combination    | 4X4 MIMO         | Restriction | Covered by Measurement Superset |
| 35                               | CA_4A-7A    | B4,B7       |             |                                 | 35                               | CA_41A-41C     |                  |             |                                 |
| 36                               | CA_4A-7A    | B4,B7       |             |                                 | 36                               | CA_41D         |                  |             |                                 |
| 37                               | CA_5A-30A   |             |             |                                 | 37                               | CA_48A-48A-66A | B66              |             |                                 |
| 38                               | CA_5A-66A   | B66         |             |                                 | 38                               | CA_48C-48A     |                  |             |                                 |
| 39                               | CA_5B       |             |             |                                 | 39                               | CA_48C-66A     | B66              |             |                                 |
| 40                               | CA_66A-66A  | B66,B66-B66 |             |                                 | 40                               | CA_48D         |                  |             |                                 |
| 41                               | CA_66A-71A  | B66         |             |                                 | 41                               | CA_4A-12A-30A  | B4               |             |                                 |
| 42                               | CA_66B      | B66B        |             |                                 | 42                               | CA_4A-29A-30A  | B4               |             |                                 |
| 43                               | CA_66B      | B66B        |             |                                 | 43                               | CA_4A-4A-12A   | B4,B4-B4         |             |                                 |
| 44                               | CA_66C      | B66C        |             |                                 | 44                               | CA_4A-4A-13A   | B4,B4-B4         |             |                                 |
| 45                               | CA_66C      | B66C        |             |                                 | 45                               | CA_4A-4A-5A    | B4,B4-B4         |             |                                 |
| 46                               | CA_7A-12A   | B7          |             |                                 | 46                               | CA_4A-4A-71A   | B4,B4-B4         |             |                                 |
| 47                               | CA_7A-7A    | B7,B7-B7    |             |                                 | 47                               | CA_4A-4A-7A    | B4,B7,B4-B4      |             |                                 |
| 48                               | CA_7C       | B7C         |             |                                 | 48                               | CA_4A-5A-30A   | B4               |             |                                 |
| 49                               | CA_2A-46A   | B2          |             |                                 | 49                               | CA_4A-7A-12A   | B4,B7            |             |                                 |
| 50                               | CA_4A-46A   | B4          |             |                                 | 50                               | CA_4A-7A-7A    | B4,B7,B7-B7      |             |                                 |
| 51                               | CA_46A-66A  | B66         |             |                                 | 51                               | CA_5A-30A-66A  | B66              |             |                                 |
| 52                               | CA_5A-48A   |             |             |                                 | 52                               | CA_5A-66A-66A  | B66,B66-B66      |             |                                 |
|                                  |             |             |             |                                 | 53                               | CA_5A-66C      | B66C             |             |                                 |
|                                  |             |             |             |                                 | 54                               | CA_66A-66A-71A | B66,B66-B66      |             |                                 |
|                                  |             |             |             |                                 | 55                               | CA_66A-66C     | B66,B66C         |             |                                 |
|                                  |             |             |             |                                 | 56                               | CA_66A-66C     | B66,66C,B66-B66C |             |                                 |
|                                  |             |             |             |                                 | 57                               | CA_66C-71A     | B66C             |             |                                 |
|                                  |             |             |             |                                 | 58                               | CA_2A-46C      | B2               |             |                                 |
|                                  |             |             |             |                                 | 59                               | CA_4A-46C      | B4               |             |                                 |
|                                  |             |             |             |                                 | 60                               | CA_46C-66A     | B66              |             |                                 |
|                                  |             |             |             |                                 | 61                               | CA_4A-46A-46A  | B4               |             |                                 |
|                                  |             |             |             |                                 | 62                               | CA_2A-46A-46A  | B2               |             |                                 |
|                                  |             |             |             |                                 | 63                               | CA_2A-46A-66A  | B2,B66           |             |                                 |
|                                  |             |             |             |                                 | 64                               | CA_46A-46A-66A | B66              |             |                                 |

| 4CC Downlink Carrier Aggregation |                   |                                  |             |                                 | 5CC Downlink Carrier Aggregation |                   |          |             |                                 |
|----------------------------------|-------------------|----------------------------------|-------------|---------------------------------|----------------------------------|-------------------|----------|-------------|---------------------------------|
| Number                           | Combination       | 4X4 MIMO                         | Restriction | Covered by Measurement Superset | Number                           | Combination       | 4X4 MIMO | Restriction | Covered by Measurement Superset |
| 1                                | CA_2A-66C-71A     | B2, 66C                          |             |                                 | 1                                | CA_2A-46E         | B2       |             |                                 |
| 2                                | CA_2A-66A-66A-71A | B2,B66,B66-B66                   |             |                                 | 2                                | CA_2A-2A-46D      | B2       |             |                                 |
| 3                                | CA_2A-2A-66A-71A  | B2,B66,B2-B2,B2-B66              |             |                                 | 3                                | CA_48E-66A        | B66      |             |                                 |
| 4                                | CA_48E            |                                  |             |                                 | 4                                | CA_4A-46A-46D     | B4       |             |                                 |
| 5                                | CA_48D-66A        | B66                              |             |                                 | 5                                | CA_2A-46A-46D     | B2       |             |                                 |
| 6                                | CA_2A-2A-46C      | B2,B2-B2                         |             |                                 | 6                                | CA_2A-46A-46C-66A | B2,B66   |             |                                 |
| 7                                | CA_2A-4A-7A-7A    | B2,B4,B7,B2-B4,B7-B7(PCC: B4,B7) |             |                                 | 7                                | CA_2A-46D-66A     | B2,B66   |             |                                 |
| 8                                | CA_2A-46D         | B2                               |             |                                 |                                  |                   |          |             |                                 |
| 9                                | CA_4A-46D         | B4                               |             |                                 |                                  |                   |          |             |                                 |
| 10                               | CA_46D-66A        | B66                              |             |                                 |                                  |                   |          |             |                                 |
| 11                               | CA_2A-46A-46A-66A | B2,B66,B2-B66                    |             |                                 |                                  |                   |          |             |                                 |
| 12                               | CA_4A-46A-46C     | B4                               |             |                                 |                                  |                   |          |             |                                 |
| 13                               | CA_2A-46A-46C     | B2                               |             |                                 |                                  |                   |          |             |                                 |
| 14                               | CA_46A-46C-66A    | B66                              |             |                                 |                                  |                   |          |             |                                 |
| 15                               | CA_2A-46C-66A     | B2,B66                           |             |                                 |                                  |                   |          |             |                                 |
| 16                               | CA_2A-2A-66C      | B2,B66C                          |             |                                 |                                  |                   |          |             |                                 |
| 17                               | CA_2A-12A-66C     | B2,B66C                          |             |                                 |                                  |                   |          |             |                                 |
| 18                               | CA_2C-66A-66A     | B2C,B66                          |             |                                 |                                  |                   |          |             |                                 |
| 19                               | CA_2A-2A-5A-66A   |                                  |             |                                 |                                  |                   |          |             |                                 |
| 20                               | CA_2A-2A-13A-66A  |                                  |             |                                 |                                  |                   |          |             |                                 |
| 21                               | CA_2A-5A-66A-66A  |                                  |             |                                 |                                  |                   |          |             |                                 |
| 22                               | CA_2A-5A-66B      | B2,B66B                          |             |                                 |                                  |                   |          |             |                                 |
| 23                               | CA_2A-5A-66C      | B2,B66C                          |             |                                 |                                  |                   |          |             |                                 |
| 24                               | CA_2A-13A-66A-66A |                                  |             |                                 |                                  |                   |          |             |                                 |
| 25                               | CA_2A-13A-66B     | B2,B66B                          |             |                                 |                                  |                   |          |             |                                 |
| 26                               | CA_2A-13A-66C     | B2,B66C                          |             |                                 |                                  |                   |          |             |                                 |
| 27                               | CA_2A-12A-66A-66A |                                  |             |                                 |                                  |                   |          |             |                                 |
| 28                               | CA_2A-2A-66A-66A  |                                  |             |                                 |                                  |                   |          |             |                                 |
| 29                               | CA_2A-2A-12A-66A  |                                  |             |                                 |                                  |                   |          |             |                                 |

| 2CC Uplink Carrier Aggregation |             |
|--------------------------------|-------------|
| Combination                    | Restriction |
| 7C                             |             |
| 41C                            |             |

**<Power verification when LTE Carrier Aggregation Active>**
**General Note:**

- i. According to KDB941225 D05A v01r02, Uplink maximum output power measurement with downlink carrier aggregation active should be measured, using the highest output channel measured without downlink carrier aggregation, to confirm that uplink maximum output power with downlink carrier aggregation active remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output measured without downlink carrier aggregation active.
- ii. Uplink maximum output power with downlink carrier aggregation active does not show more than ¼ dB higher than the maximum output power without downlink carrier aggregation active, therefore SAR evaluation with downlink carrier aggregation active can be excluded.
- iii. The device supports downlink two carrier aggregation. For power measurement were control and acknowledge data is sent on uplink channels that operate identical to specifications when downlink carrier aggregation is inactive.
- iv. Selected highest measured power when downlink carrier aggregation is inactive for conducted power comparison with downlink carrier aggregation is active, to confirm that when downlink carrier aggregation is active uplink maximum output power remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive.
- v. For non-contiguous intra-band CA, the SCC selected to provide maximum separation from the PCC and must remain fully within the downlink transmission band.
- vi. The device supports uplink carrier aggregation for LTE B41C with a maximum of two 20MHz component carriers. For intra band contiguous carrier aggregation scenarios, 3GPP 36.101 table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when not-contiguous RB allocation is implemented. The conducted power and MPR setting in this device are permanently implemented pre the above 3GPP requirement.
- vii. According TCB workshop, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.
- viii. Uplink CA is only operating with power class 3 for LTE B41, and additional SAR measurement for TLE UL CA whit other DL CA combinations active were not required since the maximum output power for this configuration was not > 0.25dB higher than the maximum output power for UL CA \_41C active.
- ix. For Intra-band, contiguous CA, the downlink channels selected to perform the uplink power measurement must satisfy 3GPP channel spacing (5.4.1A of 3GPP TS 36.521 or equivalent) and channel bandwidth (5.4.2A) requirements.

$$\text{Nominal channel spacing} = \left\lceil \frac{BW_{\text{Channel}(1)} + BW_{\text{Channel}(2)} - 0.1|BW_{\text{Channel}(1)} - BW_{\text{Channel}(2)}|}{0.6} \right\rceil 0.3 \text{ [MHz]}$$

**<Downlink Two Carrier power verification>**
**<Full power>**
**<UAT>**

| Configure  | CA List   | PCC              |       |                |         |      |     |              | SCC     |       |                |         | Power              |                    |
|------------|-----------|------------------|-------|----------------|---------|------|-----|--------------|---------|-------|----------------|---------|--------------------|--------------------|
|            |           | LTE              | BW    | UL             | UL      | Mod. | UL# | UL           | LTE     | BW    | DL             | DL      | With CA            | Without CA         |
|            |           | Band             | (MHz) | Freq.<br>(MHz) | Channel |      | RB  | RB<br>Offset | Band    | (MHz) | Freq.<br>(MHz) | Channel | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |
| Inter-Band | CA_2A-4A  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | 21.96              | 21.99              |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | 21.91              | 21.99              |
|            |           | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | 22.32              | 22.40              |
|            |           | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | 21.29              | 22.40              |
|            | CA_2A-5A  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 5  | 10M   | 881.5          | 2525    | 21.89              | 21.99              |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 5  | 10M   | 881.5          | 2525    | 21.86              | 21.99              |
|            |           | Band 5           | 10M   | 836.5          | 20525   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | 22.76              | 22.80              |
|            | CA_2A-7A  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 7  | 20M   | 2655           | 3100    | 21.83              | 21.99              |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 7  | 20M   | 2655           | 3100    | 21.81              | 21.99              |
|            |           | Band 7           | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 2  | 20M   | 1960           | 900     | 21.13              | 21.15              |
|            | CA_2A-12A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 12 | 10M   | 737.5          | 5095    | 21.83              | 21.99              |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 12 | 10M   | 737.5          | 5095    | 21.81              | 21.99              |
|            |           | Band 12          | 10M   | 707.5          | 23095   | QPSK | 1   | 49           | Band 2  | 20M   | 1960           | 900     | 23.40              | 23.42              |
|            | CA_2A-13A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 13 | 10M   | 751            | 5230    | 21.90              | 21.99              |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 13 | 10M   | 751            | 5230    | 21.86              | 21.99              |
|            |           | Band 13          | 10M   | 782            | 23230   | QPSK | 1   | 25           | Band 2  | 20M   | 1960           | 900     | 22.46              | 22.59              |
|            | CA_2A-29A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 29 | 10M   | 722.5          | 9715    | 21.84              | 21.99              |
|            | CA_2A-30A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 30 | 10M   | 2355           | 9820    | 21.88              | 21.99              |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 30 | 10M   | 2355           | 9820    | 21.85              | 21.99              |
|            |           | Band 30          | 10M   | 2310           | 27710   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | 20.58              | 20.63              |
|            | CA_2A-46A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5540           | 50690   | 21.86              | 21.99              |
|            | CA_2A-48A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 48 | 20M   | 3560           | 55340   | 21.87              | 21.99              |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 48 | 20M   | 3560           | 55340   | 21.84              | 21.99              |
|            |           | Band 48          | 20M   | 3609           | 55830   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | 23.44              | 23.50              |
|            | CA_2A-66A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 66 | 20M   | 2155           | 66886   | 21.89              | 21.99              |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 66 | 20M   | 2155           | 66886   | 21.85              | 21.99              |
|            |           | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | 22.17              | 22.39              |
|            |           | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | 22.13              | 22.39              |
|            | CA_2A-71A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 71 | 20M   | 637            | 68786   | 21.85              | 21.99              |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 71 | 20M   | 637            | 68786   | 21.81              | 21.99              |
|            |           | Band 71          | 20M   | 683            | 133322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | 23.54              | 23.69              |
|            | CA_4A-5A  | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 5  | 10M   | 881.5          | 2525    | 22.29              | 22.40              |
|            |           | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 5  | 10M   | 881.5          | 2525    | 22.25              | 22.40              |
|            |           | Band 5           | 10M   | 836.5          | 20525   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | 22.76              | 22.80              |
|            | CA_4A-7A  | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 7  | 20M   | 2655           | 3100    | 22.36              | 22.40              |
|            |           | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 7  | 20M   | 2655           | 3100    | 22.32              | 22.40              |
|            |           | Band 7           | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 4  | 20M   | 2132.5         | 2175    | 21.07              | 21.15              |
|            |           | Band 7(4*4MIMO)  | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 4  | 20M   | 2132.5         | 2175    | 21.02              | 21.15              |
|            | CA_4A-12A | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 12 | 10M   | 737.5          | 5095    | 22.36              | 22.40              |
|            |           | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 12 | 10M   | 737.5          | 5095    | 21.32              | 22.40              |
|            |           | Band 12          | 10M   | 707.5          | 23095   | QPSK | 1   | 49           | Band 4  | 20M   | 2132.5         | 2175    | 23.31              | 23.42              |
|            | CA_4A-13A | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 13 | 10M   | 751            | 5230    | 22.35              | 22.40              |
|            |           | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 13 | 10M   | 751            | 5230    | 22.33              | 22.40              |



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|            |            |                  |     |        |        |      |   |    |         |     |        |       |       |       |
|------------|------------|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|-------|-------|
|            |            | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 4  | 20M | 2132.5 | 2175  | 22.44 | 22.59 |
|            |            | Band 4           | 10M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 17 | 10M | 740    | 5790  | 22.28 | 22.40 |
|            |            | Band 4(4*4MIMO)  | 10M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 17 | 10M | 740    | 5790  | 22.23 | 22.40 |
|            |            | Band 17          | 10M | 710    | 23790  | QPSK | 1 | 0  | Band 4  | 10M | 2132.5 | 2175  | 22.86 | 22.90 |
|            |            | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | 22.34 | 22.40 |
|            |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | 22.32 | 22.40 |
|            |            | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 30 | 10M | 2355   | 9820  | 22.27 | 22.40 |
|            |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 30 | 10M | 2355   | 9820  | 22.23 | 22.40 |
|            |            | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | 20.56 | 20.63 |
|            |            | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | 22.27 | 22.40 |
|            |            | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 71 | 20M | 637    | 68786 | 22.32 | 22.40 |
|            |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 71 | 20M | 637    | 68786 | 22.29 | 22.40 |
|            |            | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | 23.47 | 23.69 |
|            |            | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 30 | 10M | 2355   | 9820  | 22.76 | 22.80 |
|            |            | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | 20.51 | 20.63 |
|            |            | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 48 | 20M | 3560   | 55340 | 22.66 | 22.80 |
|            |            | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | 23.32 | 23.50 |
|            |            | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | 22.69 | 22.80 |
|            |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | 22.12 | 22.39 |
|            |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | 22.08 | 22.39 |
|            |            | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 12 | 10M | 737.5  | 5095  | 21.02 | 21.15 |
|            |            | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 12 | 10M | 737.5  | 5095  | 20.98 | 21.15 |
|            |            | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 7  | 20M | 2655   | 3100  | 23.23 | 23.42 |
|            |            | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 30 | 10M | 2355   | 9820  | 23.25 | 23.42 |
|            |            | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | 20.45 | 20.63 |
|            |            | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 66 | 20M | 2155   | 66886 | 23.18 | 23.42 |
|            |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | 22.21 | 22.39 |
|            |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | 22.19 | 22.39 |
|            |            | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 66 | 20M | 2155   | 66886 | 22.44 | 22.59 |
|            |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | 22.30 | 22.39 |
|            |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | 22.26 | 22.39 |
|            |            | Band 25          | 20M | 1880   | 26340  | QPSK | 1 | 0  | Band 26 | 15M | 876.5  | 8865  | 21.64 | 21.86 |
|            |            | Band 26          | 15M | 831.5  | 26865  | QPSK | 1 | 0  | Band 25 | 20M | 1962.5 | 8365  | 22.68 | 22.85 |
|            |            | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | 20.37 | 20.63 |
|            |            | Band 66          | 20M | 1720   | 132072 | QPSK | 1 | 0  | Band 71 | 20M | 637    | 68786 | 22.25 | 22.39 |
|            |            | Band 66(4*4MIMO) | 20M | 1720   | 132072 | QPSK | 1 | 0  | Band 71 | 20M | 637    | 68786 | 22.21 | 22.39 |
|            |            | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | 23.55 | 23.69 |
|            |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | 22.14 | 22.39 |
|            |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | 22.09 | 22.39 |
|            |            | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 56640 | 23.27 | 23.50 |
|            |            | Band 48          | 20M | 3560   | 55340  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | 23.21 | 23.50 |
|            |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 56640 | 22.35 | 22.39 |
|            |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 56640 | 22.31 | 22.39 |
|            |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 71 | 20M | 637    | 68786 | 22.16 | 22.39 |
|            |            | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | 23.34 | 23.69 |
| Intra-Band | Contiguous | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1960.2 | 902   | 21.88 | 21.99 |
|            |            | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1960.2 | 902   | 21.85 | 21.99 |
|            |            | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 5  | 10M | 891.4  | 2624  | 22.74 | 22.80 |
|            |            | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 20M | 2660.2 | 3152  | 21.11 | 21.15 |
|            |            | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 20M | 2660.2 | 3152  | 21.05 | 21.15 |
|            |            | Band 38          | 20M | 2580   | 37850  | QPSK | 1 | 0  | Band 38 | 20M | 2560.2 | 37652 | 20.71 | 20.80 |



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|  |                |            |                  |     |        |        |      |   |    |         |     |        |       |       |       |
|--|----------------|------------|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|-------|-------|
|  | Non-Contiguous | CA_41C     | Band 41          | 20M | 2680   | 41490  | QPSK | 1 | 49 | Band 41 | 20M | 2660.2 | 41292 | 20.69 | 20.72 |
|  |                | CA_66B     | Band 66          | 15M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2164.3 | 66979 | 22.26 | 22.39 |
|  |                | CA_66C     | Band 66(4*4MIMO) | 15M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2164.3 | 66979 | 22.21 | 22.39 |
|  |                |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | 22.21 | 22.39 |
|  |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | 22.18 | 22.39 |
|  |                | CA_2A-2A   | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | 21.92 | 21.99 |
|  |                |            | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | 21.90 | 21.99 |
|  |                | CA_4A-4A   | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | 22.30 | 22.40 |
|  |                |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | 22.26 | 22.40 |
|  |                | CA_7A-7A   | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | 21.09 | 21.15 |
|  |                |            | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | 21.03 | 21.15 |
|  |                | CA_41A-41A | Band 41          | 20M | 2680   | 41490  | QPSK | 1 | 49 | Band 41 | 5M  | 2498.5 | 39675 | 20.63 | 20.72 |
|  |                | CA_66A-66A | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | 22.26 | 22.39 |
|  |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | 22.21 | 22.39 |

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| Configure  | CA List   | PCC              |       |             |         |      |     |        | SCC     |       |             |         | Power           |                 |
|------------|-----------|------------------|-------|-------------|---------|------|-----|--------|---------|-------|-------------|---------|-----------------|-----------------|
|            |           | LTE              | BW    | UL          | UL      | Mod. | UL# | UL     | LTE     | BW    | DL          | DL      | With CA         | Without CA      |
|            |           | Band             | (MHz) | Freq. (MHz) | Channel |      | RB  | Offset | Band    | (MHz) | Freq. (MHz) | Channel | Tx. Power (dBm) | Tx. Power (dBm) |
| Inter-Band | CA_2A-4A  | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 4  | 20M   | 2132.5      | 2175    | 23.25           | 23.31           |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 4  | 20M   | 2132.5      | 2175    | 23.22           | 23.31           |
|            |           | Band 4           | 20M   | 1732.5      | 20175   | QPSK | 1   | 0      | Band 2  | 20M   | 1960        | 900     | 23.52           | 23.72           |
|            |           | Band 4(4*4MIMO)  | 20M   | 1732.5      | 20175   | QPSK | 1   | 0      | Band 2  | 20M   | 1960        | 900     | 23.45           | 23.72           |
|            | CA_2A-5A  | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 5  | 10M   | 881.5       | 2525    | 23.22           | 23.31           |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 5  | 10M   | 881.5       | 2525    | 23.19           | 23.31           |
|            |           | Band 5           | 10M   | 836.5       | 20525   | QPSK | 1   | 0      | Band 2  | 20M   | 1960        | 900     | 22.34           | 22.45           |
|            | CA_2A-7A  | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 7  | 20M   | 2655        | 3100    | 23.26           | 23.31           |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 7  | 20M   | 2655        | 3100    | 23.22           | 23.31           |
|            |           | Band 7           | 20M   | 2560        | 21350   | QPSK | 1   | 99     | Band 2  | 20M   | 1960        | 900     | 23.08           | 23.25           |
|            |           | Band 7(4*4MIMO)  | 20M   | 2560        | 21350   | QPSK | 1   | 99     | Band 2  | 20M   | 1960        | 900     | 23.03           | 23.25           |
|            | CA_2A-12A | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 12 | 10M   | 737.5       | 5095    | 23.28           | 23.31           |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 12 | 10M   | 737.5       | 5095    | 23.25           | 23.31           |
|            |           | Band 12          | 10M   | 707.5       | 23095   | QPSK | 1   | 49     | Band 2  | 20M   | 1960        | 900     | 22.87           | 23.01           |
|            | CA_2A-13A | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 13 | 10M   | 751         | 5230    | 23.29           | 23.31           |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 13 | 10M   | 751         | 5230    | 23.24           | 23.31           |
|            |           | Band 13          | 10M   | 782         | 23230   | QPSK | 1   | 25     | Band 2  | 20M   | 1960        | 900     | 22.05           | 22.06           |
|            | CA_2A-29A | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 29 | 10M   | 722.5       | 9715    | 23.24           | 23.31           |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 29 | 10M   | 722.5       | 9715    | 23.21           | 23.31           |
|            | CA_2A-30A | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 30 | 10M   | 2355        | 9820    | 23.21           | 23.31           |
|            |           | Band 30          | 10M   | 2310        | 27710   | QPSK | 1   | 0      | Band 2  | 20M   | 1960        | 900     | 22.38           | 22.56           |
|            | CA_2A-46A | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 46 | 20M   | 5540        | 50690   | 23.27           | 23.31           |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 46 | 20M   | 5540        | 50690   | 23.24           | 23.31           |
|            | CA_2A-66A | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 66 | 20M   | 2155        | 66886   | 23.30           | 23.31           |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 66 | 20M   | 2155        | 66886   | 23.26           | 23.31           |
|            |           | Band 66          | 20M   | 1745        | 132322  | QPSK | 1   | 0      | Band 2  | 20M   | 1960        | 900     | 23.45           | 23.73           |
|            |           | Band 66(4*4MIMO) | 20M   | 1745        | 132322  | QPSK | 1   | 0      | Band 2  | 20M   | 1960        | 900     | 23.35           | 23.73           |
|            | CA_2A-71A | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 71 | 20M   | 637         | 68786   | 23.28           | 23.31           |
|            |           | Band 71          | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 71 | 20M   | 637         | 68786   | 23.23           | 23.31           |



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|  |            |                  |     |        |        |      |   |    |         |     |        |       |       |       |
|--|------------|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|-------|-------|
|  |            | 2(4*4MIMO)       |     |        |        |      |   |    |         |     |        |       |       |       |
|  |            | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | 23.32 | 23.43 |
|  | CA_4A-5A   | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | 23.62 | 23.72 |
|  |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | 23.58 | 23.72 |
|  |            | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | 22.37 | 22.45 |
|  | CA_4A-7A   | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | 23.45 | 23.72 |
|  |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | 23.41 | 23.72 |
|  |            | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 4  | 20M | 2132.5 | 2175  | 22.83 | 23.25 |
|  |            | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 4  | 20M | 2132.5 | 2175  | 22.79 | 23.25 |
|  | CA_4A-12A  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | 23.60 | 23.72 |
|  |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | 23.55 | 23.72 |
|  |            | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 4  | 20M | 2132.5 | 2175  | 22.89 | 23.01 |
|  | CA_4A-13A  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | 23.59 | 23.72 |
|  |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | 23.53 | 23.72 |
|  |            | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 4  | 20M | 2132.5 | 2175  | 21.98 | 22.06 |
|  | CA_4A-17A  | Band 4           | 10M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 17 | 10M | 740    | 5790  | 23.67 | 23.72 |
|  |            | Band 4(4*4MIMO)  | 10M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 17 | 10M | 740    | 5790  | 23.67 | 23.72 |
|  |            | Band 17          | 10M | 710    | 23790  | QPSK | 1 | 0  | Band 4  | 10M | 2132.5 | 2175  | 22.43 | 22.49 |
|  | CA_4A-29A  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | 23.54 | 23.72 |
|  |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | 23.51 | 23.72 |
|  | CA_4A-30A  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 30 | 10M | 2355   | 9820  | 23.45 | 23.72 |
|  |            | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | 22.32 | 22.56 |
|  | CA_4A-46A  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | 23.56 | 23.72 |
|  |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | 23.50 | 23.72 |
|  | CA_4A-71A  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 71 | 20M | 637    | 68786 | 23.65 | 23.72 |
|  |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 71 | 20M | 637    | 68786 | 23.62 | 23.72 |
|  |            | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | 23.33 | 23.43 |
|  | CA_5A-30A  | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 30 | 10M | 2355   | 9820  | 22.33 | 22.45 |
|  |            | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | 22.27 | 22.56 |
|  | CA_5A-66A  | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | 22.36 | 22.45 |
|  |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | 23.42 | 23.73 |
|  |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | 23.40 | 23.73 |
|  | CA_7A-12A  | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 12 | 10M | 737.5  | 5095  | 22.84 | 23.25 |
|  |            | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 12 | 10M | 737.5  | 5095  | 22.82 | 23.25 |
|  |            | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 7  | 20M | 2655   | 3100  | 22.90 | 23.01 |
|  | CA_12A-30A | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 30 | 10M | 2355   | 9820  | 22.96 | 23.01 |
|  |            | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | 22.26 | 22.56 |
|  | CA_12A-66A | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 66 | 20M | 2155   | 66886 | 22.97 | 23.01 |
|  |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | 23.47 | 23.73 |
|  |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | 23.43 | 23.73 |
|  | CA_13A-66A | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 66 | 20M | 2155   | 66886 | 22.03 | 22.06 |
|  |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | 23.43 | 23.73 |
|  |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | 23.38 | 23.73 |
|  | CA_25A-26A | Band 25          | 20M | 1880   | 26340  | QPSK | 1 | 0  | Band 26 | 15M | 876.5  | 8865  | 23.05 | 23.18 |
|  |            | Band 26          | 15M | 831.5  | 26865  | QPSK | 1 | 0  | Band 25 | 20M | 1962.5 | 8365  | 22.24 | 22.45 |
|  | CA_29A-30A | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | 22.22 | 22.56 |
|  | CA_66A-46A | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | 23.44 | 23.73 |
|  |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | 23.39 | 23.73 |
|  | CA_66A-71A | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 71 | 20M | 637    | 68786 | 23.46 | 23.73 |
|  |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 71 | 20M | 637    | 68786 | 23.42 | 23.73 |

|            |                |            |                  |     |        |        |      |   |    |         |     |        |       |       |       |
|------------|----------------|------------|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|-------|-------|
| Intra-Band | Contiguous     | CA_2C      | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | 23.33 | 23.43 |
|            |                |            | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1960.2 | 902   | 23.21 | 23.31 |
|            |                | CA_5B      | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1960.2 | 902   | 23.18 | 23.31 |
|            |                |            | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 5  | 10M | 891.4  | 2624  | 22.41 | 22.45 |
|            |                | CA_7C      | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 20M | 2660.2 | 3152  | 22.87 | 23.25 |
|            |                |            | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 20M | 2660.2 | 3152  | 22.83 | 23.25 |
|            |                | CA_38C     | Band 38          | 20M | 2580   | 37850  | QPSK | 1 | 0  | Band 38 | 20M | 2560.2 | 37652 | 22.83 | 22.97 |
|            |                | CA_41C     | Band 41          | 20M | 2680   | 41490  | QPSK | 1 | 49 | Band 41 | 20M | 2660.2 | 41292 | 22.62 | 23.29 |
|            | Non-Contiguous | CA_66C     | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | 23.52 | 23.73 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | 23.48 | 23.73 |
|            |                | CA_2A-2A   | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | 23.26 | 23.31 |
|            |                |            | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | 23.22 | 23.31 |
|            |                | CA_4A-4A   | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | 23.61 | 23.72 |
|            |                |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | 23.59 | 23.72 |
|            |                | CA_7A-7A   | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | 22.93 | 23.25 |
|            |                |            | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | 22.90 | 23.25 |
|            |                | CA_41A-41A | Band 41          | 20M | 2680   | 41490  | QPSK | 1 | 49 | Band 41 | 5M  | 2498.5 | 39675 | 22.61 | 23.29 |
|            |                | CA_66A-66A | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | 23.52 | 23.73 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | 23.48 | 23.73 |

**<Reduced power mode 1 for At-Head>**
**<UAT>**

| Configure  | CA List   | PCC              |       |             |         |      |     |           | SCC     |       |             |         | Power           |                 |
|------------|-----------|------------------|-------|-------------|---------|------|-----|-----------|---------|-------|-------------|---------|-----------------|-----------------|
|            |           | LTE              | BW    | UL          | UL      | Mod. | UL# | UL        | LTE     | BW    | DL          | DL      | With CA         | Without CA      |
|            |           | Band             | (MHz) | Freq. (MHz) | Channel |      | RB  | RB Offset | Band    | (MHz) | Freq. (MHz) | Channel | Tx. Power (dBm) | Tx. Power (dBm) |
| Inter-Band | CA_2A-4A  | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | 16.91           | 16.92           |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | 16.85           | 16.92           |
|            |           | Band 4           | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | 17.88           | 17.95           |
|            |           | Band 4(4*4MIMO)  | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | 17.81           | 17.95           |
|            | CA_2A-7A  | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 7  | 20M   | 2655        | 3100    | 16.91           | 16.92           |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 7  | 20M   | 2655        | 3100    | 16.85           | 16.92           |
|            |           | Band 7           | 20M   | 2560        | 21350   | QPSK | 1   | 99        | Band 2  | 20M   | 1960        | 900     | 17.52           | 17.70           |
|            |           | Band 7(4*4MIMO)  | 20M   | 2560        | 21350   | QPSK | 1   | 99        | Band 2  | 20M   | 1960        | 900     | 17.46           | 17.70           |
|            | CA_2A-29A | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 29 | 10M   | 722.5       | 9715    | 16.87           | 16.92           |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 29 | 10M   | 722.5       | 9715    | 16.69           | 16.92           |
|            | CA_2A-30A | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 30 | 10M   | 2355        | 9820    | 16.72           | 16.92           |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 30 | 10M   | 2355        | 9820    | 16.61           | 16.92           |
|            |           | Band 30          | 10M   | 2310        | 27710   | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | 19.16           | 19.21           |
|            | CA_2A-46A | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5540        | 50690   | 16.74           | 16.92           |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5540        | 50690   | 16.69           | 16.92           |
|            | CA_2A-48A | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 48 | 20M   | 3560        | 55340   | 16.81           | 16.92           |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 48 | 20M   | 3560        | 55340   | 16.74           | 16.92           |
|            |           | Band 48          | 20M   | 3609        | 55830   | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | 16.86           | 16.94           |
|            | CA_2A-66A | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 66 | 20M   | 2155        | 66886   | 16.75           | 16.92           |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 66 | 20M   | 2155        | 66886   | 16.66           | 16.92           |
|            |           | Band 66          | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | 17.86           | 17.91           |
|            |           | Band 66(4*4MIMO) | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | 17.71           | 17.91           |
|            | CA_4A-7A  | Band 4           | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 7  | 20M   | 2655        | 3100    | 17.93           | 17.95           |

|            |                |            |                  |     |        |        |      |   |    |         |     |        |       |       |       |
|------------|----------------|------------|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|-------|-------|
| Intra-Band |                |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | 17.85 | 17.95 |
|            |                |            | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 4  | 20M | 2132.5 | 2175  | 17.52 | 17.70 |
|            |                |            | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 4  | 20M | 2132.5 | 2175  | 17.41 | 17.70 |
|            |                | CA_4A-29A  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | 17.79 | 17.95 |
|            |                |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | 17.65 | 17.95 |
|            |                | CA_4A-30A  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 30 | 10M | 2355   | 9820  | 17.80 | 17.95 |
|            |                |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 30 | 10M | 2355   | 9820  | 17.73 | 17.95 |
|            |                |            | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | 19.20 | 19.21 |
|            |                | CA_4A-46A  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | 17.75 | 17.95 |
|            |                |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | 17.67 | 17.95 |
|            |                | CA_13A-66A | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 66 | 20M | 2155   | 66886 | 21.46 | 21.61 |
|            |                |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | 17.76 | 17.91 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | 17.62 | 17.91 |
|            |                | CA_29A-30A | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | 19.10 | 19.21 |
|            |                | CA_66A-46A | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | 17.71 | 17.91 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | 17.62 | 17.91 |
|            |                | CA_48A-48A | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 56640 | 16.88 | 16.94 |
|            |                | CA_48A-66A | Band 48          | 20M | 3560   | 55340  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | 17.73 | 17.91 |
|            |                |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 56640 | 16.74 | 16.94 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 56640 | 16.68 | 16.94 |
| Intra-Band | Contiguous     | CA_2C      | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1960.2 | 902   | 16.72 | 16.92 |
|            |                |            | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1960.2 | 902   | 16.66 | 16.92 |
|            |                | CA_7C      | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 20M | 2660.2 | 3152  | 17.63 | 17.70 |
|            |                |            | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 20M | 2660.2 | 3152  | 17.52 | 17.70 |
|            |                | CA_38C     | Band 38          | 20M | 2580   | 37850  | QPSK | 1 | 0  | Band 38 | 20M | 2560.2 | 37652 | 18.63 | 18.71 |
|            |                | CA_41C     | Band 41          | 20M | 2680   | 41490  | QPSK | 1 | 49 | Band 41 | 20M | 2660.2 | 41292 | 19.16 | 19.22 |
|            |                | CA_48C     | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 41 | 20M | 3628.8 | 56028 | 16.92 | 16.94 |
|            |                | CA_66C     | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | 17.83 | 17.91 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | 17.75 | 17.91 |
|            | Non-Contiguous | CA_2A-2A   | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | 16.72 | 16.92 |
|            |                |            | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | 16.63 | 16.92 |
|            |                | CA_4A-4A   | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | 17.76 | 17.95 |
|            |                |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | 17.65 | 17.95 |
|            |                | CA_7A-7A   | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | 17.52 | 17.70 |
|            |                |            | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | 17.46 | 17.70 |
|            |                | CA_41A-41A | Band 41          | 20M | 2680   | 41490  | QPSK | 1 | 49 | Band 41 | 5M  | 2498.5 | 39675 | 19.03 | 19.22 |
|            |                | CA_66A-66A | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | 17.90 | 17.91 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | 17.82 | 17.91 |



<Reduced power mode 2 for At-Head with 2.4GHz Wifi>  
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| Configure  | CA List   | PCC              |       |                |         |      |     |              | SCC     |       |                |         | Power              |                    |
|------------|-----------|------------------|-------|----------------|---------|------|-----|--------------|---------|-------|----------------|---------|--------------------|--------------------|
|            |           | LTE              | BW    | UL             | UL      | Mod. | UL# | UL           | LTE     | BW    | DL             | DL      | With CA            | Without CA         |
|            |           | Band             | (MHz) | Freq.<br>(MHz) | Channel |      | RB  | RB<br>Offset | Band    | (MHz) | Freq.<br>(MHz) | Channel | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |
| Inter-Band | CA_2A-4A  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | 17.28              | 17.38              |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | 17.23              | 17.38              |
|            |           | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | 18.37              | 18.39              |
|            |           | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | 18.31              | 18.39              |
|            | CA_2A-5A  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 5  | 10M   | 881.5          | 2525    | 17.23              | 17.38              |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 5  | 10M   | 881.5          | 2525    | 17.19              | 17.38              |
|            |           | Band 5           | 10M   | 836.5          | 20525   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | 21.31              | 21.35              |
|            | CA_2A-7A  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 7  | 20M   | 2655           | 3100    | 17.29              | 17.38              |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 7  | 20M   | 2655           | 3100    | 17.25              | 17.38              |
|            |           | Band 7           | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 2  | 20M   | 1960           | 900     | 18.16              | 18.18              |
|            |           | Band 7(4*4MIMO)  | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 2  | 20M   | 1960           | 900     | 18.12              | 18.18              |
|            | CA_2A-12A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 12 | 10M   | 737.5          | 5095    | 17.27              | 17.38              |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 12 | 10M   | 737.5          | 5095    | 17.21              | 17.38              |
|            |           | Band 12          | 10M   | 707.5          | 23095   | QPSK | 1   | 49           | Band 2  | 20M   | 1960           | 900     | 22.62              | 22.77              |
|            | CA_2A-13A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 13 | 10M   | 751            | 5230    | 17.33              | 17.38              |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 13 | 10M   | 751            | 5230    | 17.26              | 17.38              |
|            |           | Band 13          | 10M   | 782            | 23230   | QPSK | 1   | 25           | Band 2  | 20M   | 1960           | 900     | 19.91              | 20.05              |
|            | CA_2A-29A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 29 | 10M   | 722.5          | 9715    | 17.19              | 17.38              |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 29 | 10M   | 722.5          | 9715    | 17.12              | 17.38              |
|            | CA_2A-30A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 30 | 10M   | 2355           | 9820    | 17.20              | 17.38              |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 30 | 10M   | 2355           | 9820    | 17.12              | 17.38              |
|            |           | Band 30          | 10M   | 2310           | 27710   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | 18.70              | 18.75              |
|            | CA_2A-46A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5540           | 50690   | 17.31              | 17.38              |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5540           | 50690   | 17.23              | 17.38              |
|            | CA_2A-48A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 48 | 20M   | 3560           | 55340   | 17.30              | 17.38              |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 48 | 20M   | 3560           | 55340   | 17.24              | 17.38              |
|            |           | Band 48          | 20M   | 3609           | 55830   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | 16.79              | 16.94              |
|            | CA_2A-66A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 66 | 20M   | 2155           | 66886   | 17.37              | 17.38              |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 66 | 20M   | 2155           | 66886   | 17.32              | 17.38              |
|            |           | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | 17.79              | 17.91              |
|            |           | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | 17.68              | 17.91              |
|            | CA_4A-5A  | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 5  | 10M   | 881.5          | 2525    | 18.33              | 18.39              |
|            |           | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 5  | 10M   | 881.5          | 2525    | 18.26              | 18.39              |
|            |           | Band 5           | 10M   | 836.5          | 20525   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | 21.22              | 21.35              |
|            | CA_4A-7A  | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 7  | 20M   | 2655           | 3100    | 18.34              | 18.39              |
|            |           | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 7  | 20M   | 2655           | 3100    | 18.23              | 18.39              |
|            |           | Band 7           | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 4  | 20M   | 2132.5         | 2175    | 18.14              | 18.18              |
|            | CA_4A-12A | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 12 | 10M   | 737.5          | 5095    | 18.28              | 18.39              |
|            |           | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 12 | 10M   | 737.5          | 5095    | 18.19              | 18.39              |
|            |           | Band 12          | 10M   | 707.5          | 23095   | QPSK | 1   | 49           | Band 4  | 20M   | 2132.5         | 2175    | 22.69              | 22.77              |
|            | CA_4A-13A | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 13 | 10M   | 751            | 5230    | 18.31              | 18.39              |
|            |           | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 13 | 10M   | 751            | 5230    | 18.27              | 18.39              |
|            |           | Band 13          | 10M   | 782            | 23230   | QPSK | 1   | 25           | Band 4  | 20M   | 2132.5         | 2175    | 19.87              | 20.05              |
|            | CA_4A-29A | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 29 | 10M   | 722.5          | 9715    | 18.36              | 18.39              |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

|            |                |            |                  |     |        |        |      |   |    |         |     |        |       |       |       |
|------------|----------------|------------|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|-------|-------|
| Intra-Band |                | CA_4A-30A  | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | 18.32 | 18.39 |
|            |                |            | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 30 | 10M | 2355   | 9820  | 18.35 | 18.39 |
|            |                |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 30 | 10M | 2355   | 9820  | 18.33 | 18.39 |
|            |                |            | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | 18.70 | 18.75 |
|            |                | CA_4A-46A  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | 18.35 | 18.39 |
|            |                |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | 18.28 | 18.39 |
|            |                | CA_5A-30A  | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 30 | 10M | 2355   | 9820  | 21.23 | 21.35 |
|            |                |            | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | 18.67 | 18.75 |
|            |                | CA_5A-48A  | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 48 | 20M | 3560   | 55340 | 21.25 | 21.35 |
|            |                |            | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | 16.86 | 16.94 |
|            |                | CA_5A-66A  | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | 21.22 | 21.35 |
|            |                |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | 17.87 | 17.91 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | 17.76 | 17.91 |
|            |                | CA_7A-12A  | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 12 | 10M | 737.5  | 5095  | 18.07 | 18.18 |
|            |                |            | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 12 | 10M | 737.5  | 5095  | 17.95 | 18.18 |
|            |                |            | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 7  | 20M | 2655   | 3100  | 22.74 | 22.77 |
|            |                | CA_12A-30A | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 30 | 10M | 2355   | 9820  | 22.62 | 22.77 |
|            |                |            | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | 18.69 | 18.75 |
|            |                | CA_12A-66A | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 66 | 20M | 2155   | 66886 | 22.59 | 22.77 |
|            |                |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | 17.79 | 17.91 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | 17.72 | 17.91 |
|            |                | CA_13A-66A | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 66 | 20M | 2155   | 66886 | 19.88 | 20.05 |
|            |                |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | 17.86 | 17.91 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | 17.79 | 17.91 |
|            |                | CA_29A-30A | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | 18.74 | 18.75 |
|            |                | CA_66A-46A | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | 17.79 | 17.91 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | 17.75 | 17.91 |
|            |                | CA_48A-48A | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 56640 | 16.82 | 16.94 |
|            |                | CA_48A-66A | Band 48          | 20M | 3560   | 55340  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | 16.84 | 16.94 |
|            |                |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 56640 | 17.77 | 17.91 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 56640 | 17.71 | 17.91 |
| Intra-Band | Contiguous     | CA_2C      | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1960.2 | 902   | 17.37 | 17.38 |
|            |                |            | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1960.2 | 902   | 17.28 | 17.38 |
|            |                | CA_5B      | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 5  | 10M | 891.4  | 2624  | 21.20 | 21.35 |
|            |                | CA_7C      | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 20M | 2660.2 | 3152  | 18.10 | 18.18 |
|            |                |            | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 20M | 2660.2 | 3152  | 18.02 | 18.18 |
|            |                | CA_38C     | Band 38          | 20M | 2580   | 37850  | QPSK | 1 | 0  | Band 38 | 20M | 2560.2 | 37652 | 18.64 | 18.71 |
|            |                | CA_41C     | Band 41          | 20M | 2680   | 41490  | QPSK | 1 | 49 | Band 41 | 20M | 2660.2 | 41292 | 19.15 | 19.22 |
|            |                | CA_48C     | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 41 | 20M | 3628.8 | 56028 | 16.76 | 16.94 |
|            |                | CA_66C     | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | 17.82 | 17.91 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | 17.78 | 17.91 |
|            | Non-Contiguous | CA_2A-2A   | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | 17.25 | 17.38 |
|            |                |            | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | 17.19 | 17.38 |
|            |                | CA_4A-4A   | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | 18.33 | 18.39 |
|            |                |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | 18.24 | 18.39 |
|            |                | CA_7A-7A   | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | 18.17 | 18.18 |
|            |                |            | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | 18.12 | 18.18 |
|            |                | CA_41A-41A | Band 41          | 20M | 2680   | 41490  | QPSK | 1 | 49 | Band 41 | 5M  | 2498.5 | 39675 | 19.15 | 19.22 |
|            |                | CA_66A-66A | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | 17.90 | 17.91 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | 17.85 | 17.91 |

<Reduced power mode 2 for At-Head with 5GHz Wifi>  
<UAT>

| Configure  | CA List    | PCC              |       |        |         |      |     |        | SCC     |       |        |         | Power     |            |
|------------|------------|------------------|-------|--------|---------|------|-----|--------|---------|-------|--------|---------|-----------|------------|
|            |            | LTE              | BW    | UL     | UL      | Mod. | UL# | UL     | LTE     | BW    | DL     | DL      | With CA   | Without CA |
|            |            | Band             | (MHz) | Freq.  | Channel |      | RB  | RB     | Band    | (MHz) | Freq.  | Channel | Tx. Power | Tx. Power  |
|            |            |                  |       | (MHz)  |         |      |     | Offset |         |       | (MHz)  |         | (dBm)     | (dBm)      |
| Inter-Band | CA_2A-4A   | Band 2           | 20M   | 1880   | 18900   | QPSK | 1   | 0      | Band 4  | 20M   | 2132.5 | 2175    | 17.29     | 17.38      |
|            |            | Band 2(4*4MIMO)  | 20M   | 1880   | 18900   | QPSK | 1   | 0      | Band 4  | 20M   | 2132.5 | 2175    | 17.24     | 17.38      |
|            |            | Band 4           | 20M   | 1732.5 | 20175   | QPSK | 1   | 0      | Band 2  | 20M   | 1960   | 900     | 17.87     | 17.95      |
|            |            | Band 4(4*4MIMO)  | 20M   | 1732.5 | 20175   | QPSK | 1   | 0      | Band 2  | 20M   | 1960   | 900     | 17.85     | 17.95      |
|            | CA_2A-7A   | Band 2           | 20M   | 1880   | 18900   | QPSK | 1   | 0      | Band 7  | 20M   | 2655   | 3100    | 17.36     | 17.38      |
|            |            | Band 2(4*4MIMO)  | 20M   | 1880   | 18900   | QPSK | 1   | 0      | Band 7  | 20M   | 2655   | 3100    | 17.34     | 17.38      |
|            |            | Band 7           | 20M   | 2560   | 21350   | QPSK | 1   | 99     | Band 2  | 20M   | 1960   | 900     | 17.56     | 17.70      |
|            |            | Band 7(4*4MIMO)  | 20M   | 2560   | 21350   | QPSK | 1   | 99     | Band 2  | 20M   | 1960   | 900     | 17.53     | 17.70      |
|            | CA_2A-13A  | Band 2           | 20M   | 1880   | 18900   | QPSK | 1   | 0      | Band 13 | 10M   | 751    | 5230    | 17.20     | 17.38      |
|            |            | Band 2(4*4MIMO)  | 20M   | 1880   | 18900   | QPSK | 1   | 0      | Band 13 | 10M   | 751    | 5230    | 17.15     | 17.38      |
|            |            | Band 13          | 10M   | 782    | 23230   | QPSK | 1   | 25     | Band 2  | 20M   | 1960   | 900     | 21.46     | 21.61      |
|            | CA_2A-29A  | Band 2           | 20M   | 1880   | 18900   | QPSK | 1   | 0      | Band 29 | 10M   | 722.5  | 9715    | 17.18     | 17.38      |
|            |            | Band 2(4*4MIMO)  | 20M   | 1880   | 18900   | QPSK | 1   | 0      | Band 29 | 10M   | 722.5  | 9715    | 17.14     | 17.38      |
|            | CA_2A-30A  | Band 2           | 20M   | 1880   | 18900   | QPSK | 1   | 0      | Band 30 | 10M   | 2355   | 9820    | 17.36     | 17.38      |
|            |            | Band 2(4*4MIMO)  | 20M   | 1880   | 18900   | QPSK | 1   | 0      | Band 30 | 10M   | 2355   | 9820    | 17.21     | 17.38      |
|            |            | Band 30          | 10M   | 2310   | 27710   | QPSK | 1   | 0      | Band 2  | 20M   | 1960   | 900     | 17.18     | 17.38      |
|            | CA_2A-46A  | Band 2           | 20M   | 1880   | 18900   | QPSK | 1   | 0      | Band 46 | 20M   | 5540   | 50690   | 17.32     | 17.38      |
|            |            | Band 2(4*4MIMO)  | 20M   | 1880   | 18900   | QPSK | 1   | 0      | Band 46 | 20M   | 5540   | 50690   | 17.26     | 17.38      |
|            | CA_2A-48A  | Band 2           | 20M   | 1880   | 18900   | QPSK | 1   | 0      | Band 48 | 20M   | 3560   | 55340   | 17.18     | 17.38      |
|            |            | Band 2(4*4MIMO)  | 20M   | 1880   | 18900   | QPSK | 1   | 0      | Band 48 | 20M   | 3560   | 55340   | 17.16     | 17.38      |
|            |            | Band 48          | 20M   | 3609   | 55830   | QPSK | 1   | 0      | Band 2  | 20M   | 1960   | 900     | 16.78     | 16.94      |
|            | CA_2A-66A  | Band 2           | 20M   | 1880   | 18900   | QPSK | 1   | 0      | Band 66 | 20M   | 2155   | 66886   | 17.23     | 17.38      |
|            |            | Band 2(4*4MIMO)  | 20M   | 1880   | 18900   | QPSK | 1   | 0      | Band 66 | 20M   | 2155   | 66886   | 17.19     | 17.38      |
|            |            | Band 66          | 20M   | 1745   | 132322  | QPSK | 1   | 0      | Band 2  | 20M   | 1960   | 900     | 17.76     | 17.91      |
|            |            | Band 66(4*4MIMO) | 20M   | 1745   | 132322  | QPSK | 1   | 0      | Band 2  | 20M   | 1960   | 900     | 17.73     | 17.91      |
|            | CA_4A-7A   | Band 4           | 20M   | 1732.5 | 20175   | QPSK | 1   | 0      | Band 7  | 20M   | 2655   | 3100    | 17.94     | 17.95      |
|            |            | Band 4(4*4MIMO)  | 20M   | 1732.5 | 20175   | QPSK | 1   | 0      | Band 7  | 20M   | 2655   | 3100    | 17.91     | 17.95      |
|            |            | Band 7           | 20M   | 2560   | 21350   | QPSK | 1   | 99     | Band 4  | 20M   | 2132.5 | 2175    | 17.53     | 17.70      |
|            |            | Band 7(4*4MIMO)  | 20M   | 2560   | 21350   | QPSK | 1   | 99     | Band 4  | 20M   | 2132.5 | 2175    | 17.52     | 17.70      |
|            | CA_4A-13A  | Band 4           | 20M   | 1732.5 | 20175   | QPSK | 1   | 0      | Band 13 | 10M   | 751    | 5230    | 17.93     | 17.95      |
|            |            | Band 4(4*4MIMO)  | 20M   | 1732.5 | 20175   | QPSK | 1   | 0      | Band 13 | 10M   | 751    | 5230    | 17.89     | 17.95      |
|            |            | Band 13          | 10M   | 782    | 23230   | QPSK | 1   | 25     | Band 4  | 20M   | 2132.5 | 2175    | 21.43     | 21.61      |
|            | CA_4A-29A  | Band 4           | 20M   | 1732.5 | 20175   | QPSK | 1   | 0      | Band 29 | 10M   | 722.5  | 9715    | 17.82     | 17.95      |
|            |            | Band 4(4*4MIMO)  | 20M   | 1732.5 | 20175   | QPSK | 1   | 0      | Band 29 | 10M   | 722.5  | 9715    | 17.78     | 17.95      |
|            | CA_4A-30A  | Band 4           | 20M   | 1732.5 | 20175   | QPSK | 1   | 0      | Band 30 | 10M   | 2355   | 9820    | 17.87     | 17.95      |
|            |            | Band 4(4*4MIMO)  | 20M   | 1732.5 | 20175   | QPSK | 1   | 0      | Band 30 | 10M   | 2355   | 9820    | 17.84     | 17.95      |
|            |            | Band 30          | 10M   | 2310   | 27710   | QPSK | 1   | 0      | Band 4  | 20M   | 2132.5 | 2175    | 17.34     | 17.38      |
|            | CA_4A-46A  | Band 4           | 20M   | 1732.5 | 20175   | QPSK | 1   | 0      | Band 46 | 20M   | 5540   | 50690   | 17.89     | 17.95      |
|            |            | Band 4(4*4MIMO)  | 20M   | 1732.5 | 20175   | QPSK | 1   | 0      | Band 46 | 20M   | 5540   | 50690   | 17.85     | 17.95      |
|            | CA_13A-66A | Band 13          | 10M   | 782    | 23230   | QPSK | 1   | 25     | Band 66 | 20M   | 2155   | 66886   | 21.46     | 21.61      |
|            |            | Band 66          | 20M   | 1745   | 132322  | QPSK | 1   | 0      | Band 13 | 10M   | 751    | 5230    | 17.80     | 17.91      |
|            |            | Band 66(4*4MIMO) | 20M   | 1745   | 132322  | QPSK | 1   | 0      | Band 13 | 10M   | 751    | 5230    | 17.77     | 17.91      |

|            |                |            |                  |     |        |        |      |   |    |         |     |        |       |       |       |
|------------|----------------|------------|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|-------|-------|
| Intra-Band | Contiguous     | CA_29A-30A | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | 17.30 | 17.38 |
|            |                | CA_66A-46A | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | 17.78 | 17.91 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | 17.73 | 17.91 |
|            |                | CA_48A-48A | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 56640 | 16.90 | 16.94 |
|            |                | CA_48A-66A | Band 48          | 20M | 3560   | 55340  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | 16.74 | 16.94 |
|            |                |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 56640 | 17.81 | 17.91 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 56640 | 17.75 | 17.91 |
|            |                |            | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1960.2 | 902   | 17.23 | 17.38 |
|            | Non-Contiguous | CA_2C      | Band 4(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1960.2 | 902   | 17.21 | 17.38 |
|            |                |            | Band 38          | 20M | 2580   | 37850  | QPSK | 1 | 0  | Band 38 | 20M | 2560.2 | 37652 | 18.69 | 18.71 |
|            |                | CA_38C     | Band 38          | 20M | 2580   | 37850  | QPSK | 1 | 0  | Band 38 | 20M | 2560.2 | 37652 | 18.69 | 18.71 |
|            |                | CA_41C     | Band 41          | 20M | 2680   | 41490  | QPSK | 1 | 49 | Band 41 | 20M | 2660.2 | 41292 | 20.12 | 20.30 |
|            |                | CA_48C     | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 41 | 20M | 3628.8 | 56028 | 16.89 | 16.94 |
|            |                | CA_66C     | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | 17.82 | 17.91 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | 17.78 | 17.91 |
|            |                | CA_2A-2A   | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | 17.24 | 17.38 |
|            |                |            | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | 17.19 | 17.38 |
|            |                | CA_4A-4A   | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | 17.76 | 17.95 |
|            |                |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | 17.74 | 17.95 |
|            |                | CA_7A-7A   | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | 17.59 | 17.70 |
|            |                |            | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | 17.56 | 17.70 |
|            |                | CA_41A-41A | Band 41          | 20M | 2680   | 41490  | QPSK | 1 | 49 | Band 41 | 5M  | 2498.5 | 39675 | 20.11 | 20.30 |
|            |                | CA_66A-66A | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | 17.75 | 17.91 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | 17.71 | 17.91 |

**<Reduced power mode3 for Hotspot with 5GHz Wifi>**  
**<UAT>**

| Configure  | CA List   | PCC             |       |             |         |      |     |           |  | SCC     |       |             |         | Power           |                 |
|------------|-----------|-----------------|-------|-------------|---------|------|-----|-----------|--|---------|-------|-------------|---------|-----------------|-----------------|
|            |           | LTE             | BW    | UL          | UL      |      | UL# | UL        |  | LTE     | BW    | DL          | DL      | With CA         | Without CA      |
|            |           | Band            | (MHz) | Freq. (MHz) | Channel | Mod. | RB  | RB Offset |  | Band    | (MHz) | Freq. (MHz) | Channel | Tx. Power (dBm) | Tx. Power (dBm) |
| Inter-Band | CA_2A-4A  | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         |  | Band 4  | 20M   | 2132.5      | 2175    | 19.07           | 19.09           |
|            |           | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         |  | Band 4  | 20M   | 2132.5      | 2175    | 19.02           | 19.09           |
|            |           | Band 4          | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         |  | Band 2  | 20M   | 1960        | 900     | 18.88           | 18.95           |
|            |           | Band 4(4*4MIMO) | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         |  | Band 2  | 20M   | 1960        | 900     | 18.86           | 18.95           |
|            | CA_2A-5A  | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         |  | Band 5  | 10M   | 881.5       | 2525    | 19.04           | 19.09           |
|            |           | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         |  | Band 5  | 10M   | 881.5       | 2525    | 19.01           | 19.09           |
|            |           | Band 5          | 10M   | 836.5       | 20525   | QPSK | 1   | 0         |  | Band 2  | 20M   | 1960        | 900     | 17.98           | 18.05           |
|            | CA_2A-7A  | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         |  | Band 7  | 20M   | 2655        | 3100    | 18.92           | 19.09           |
|            |           | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         |  | Band 7  | 20M   | 2655        | 3100    | 18.85           | 19.09           |
|            |           | Band 7          | 20M   | 2560        | 21350   | QPSK | 1   | 99        |  | Band 2  | 20M   | 1960        | 900     | 19.79           | 19.84           |
|            |           | Band 7(4*4MIMO) | 20M   | 2560        | 21350   | QPSK | 1   | 99        |  | Band 2  | 20M   | 1960        | 900     | 19.73           | 19.84           |
|            | CA_2A-12A | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         |  | Band 12 | 10M   | 737.5       | 5095    | 18.90           | 19.09           |
|            |           | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         |  | Band 12 | 10M   | 737.5       | 5095    | 18.85           | 19.09           |
|            | CA_2A-13A | Band 12         | 10M   | 707.5       | 23095   | QPSK | 1   | 49        |  | Band 2  | 20M   | 1960        | 900     | 19.51           | 19.63           |
|            |           | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         |  | Band 13 | 10M   | 751         | 5230    | 19.03           | 19.09           |
|            |           | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         |  | Band 13 | 10M   | 751         | 5230    | 19.01           | 19.09           |
|            | CA_2A-29A | Band 13         | 10M   | 782         | 23230   | QPSK | 1   | 25        |  | Band 2  | 20M   | 1960        | 900     | 19.12           | 19.30           |
|            |           | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         |  | Band 29 | 10M   | 722.5       | 9715    | 18.90           | 19.09           |
|            |           | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         |  | Band 29 | 10M   | 722.5       | 9715    | 18.86           | 19.09           |
|            | CA_2A-46A | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         |  | Band 46 | 20M   | 5540        | 50690   | 18.94           | 19.09           |
|            |           | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         |  | Band 46 | 20M   | 5540        | 50690   | 18.91           | 19.09           |
|            | CA_2A-48A | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         |  | Band 48 | 20M   | 3560        | 55340   | 19.01           | 19.09           |
|            |           | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         |  | Band 48 | 20M   | 3560        | 55340   | 18.98           | 19.09           |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

|            |            |            |                  |       |        |        |      |       |      |         |     |        |       |        |       |
|------------|------------|------------|------------------|-------|--------|--------|------|-------|------|---------|-----|--------|-------|--------|-------|
| Intra-Band | Contiguous | CA_2A-66A  | 2(4*4MIMO)       |       |        |        |      |       |      |         |     |        |       |        |       |
|            |            |            | Band 48          | 20M   | 3609   | 55830  | QPSK | 1     | 0    | Band 2  | 20M | 1960   | 900   | 19.77  | 19.78 |
|            |            | CA_2A-66A  | Band 2           | 20M   | 1880   | 18900  | QPSK | 1     | 0    | Band 66 | 20M | 2155   | 66886 | 18.98  | 19.09 |
|            |            |            | Band 2(4*4MIMO)  | 20M   | 1880   | 18900  | QPSK | 1     | 0    | Band 66 | 20M | 2155   | 66886 | 18.95  | 19.09 |
|            |            |            | Band 66          | 20M   | 1745   | 132322 | QPSK | 1     | 0    | Band 2  | 20M | 1960   | 900   | 18.80  | 19.00 |
|            |            |            | Band 66(4*4MIMO) | 20M   | 1745   | 132322 | QPSK | 1     | 0    | Band 2  | 20M | 1960   | 900   | 18.75  | 19.00 |
|            |            | CA_2A-71A  | Band 2           | 20M   | 1880   | 18900  | QPSK | 1     | 0    | Band 71 | 20M | 637    | 68786 | 19.04  | 19.09 |
|            |            |            | Band 2(4*4MIMO)  | 20M   | 1880   | 18900  | QPSK | 1     | 0    | Band 71 | 20M | 637    | 68786 | 19.02  | 19.09 |
|            |            |            | Band 71          | 20M   | 683    | 133322 | QPSK | 1     | 0    | Band 2  | 20M | 1960   | 900   | 20.29  | 20.40 |
|            |            | CA_4A-5A   | Band 4           | 20M   | 1732.5 | 20175  | QPSK | 1     | 0    | Band 5  | 10M | 881.5  | 2525  | 18.86  | 18.95 |
|            |            |            | Band 4(4*4MIMO)  | 20M   | 1732.5 | 20175  | QPSK | 1     | 0    | Band 5  | 10M | 881.5  | 2525  | 18.81  | 18.95 |
|            |            |            | Band 5           | 10M   | 836.5  | 20525  | QPSK | 1     | 0    | Band 4  | 20M | 2132.5 | 2175  | 18.04  | 18.05 |
|            |            | CA_4A-7A   | Band 4           | 20M   | 1732.5 | 20175  | QPSK | 1     | 0    | Band 7  | 20M | 2655   | 3100  | 18.94  | 18.95 |
|            |            |            | Band 4(4*4MIMO)  | 20M   | 1732.5 | 20175  | QPSK | 1     | 0    | Band 7  | 20M | 2655   | 3100  | 18.92  | 18.95 |
|            |            |            | Band 7           | 20M   | 2560   | 21350  | QPSK | 1     | 99   | Band 4  | 20M | 2132.5 | 2175  | 19.82  | 19.84 |
|            |            |            | Band 7(4*4MIMO)  | 20M   | 2560   | 21350  | QPSK | 1     | 99   | Band 4  | 20M | 2132.5 | 2175  | 19.76  | 19.84 |
|            |            | CA_4A-12A  | Band 4           | 20M   | 1732.5 | 20175  | QPSK | 1     | 0    | Band 12 | 10M | 737.5  | 5095  | 18.90  | 18.95 |
|            |            |            | Band 4(4*4MIMO)  | 20M   | 1732.5 | 20175  | QPSK | 1     | 0    | Band 12 | 10M | 737.5  | 5095  | 18.84  | 18.95 |
|            |            |            | Band 12          | 10M   | 707.5  | 23095  | QPSK | 1     | 49   | Band 4  | 20M | 2132.5 | 2175  | 19.51  | 19.63 |
|            |            | CA_4A-13A  | Band 4           | 20M   | 1732.5 | 20175  | QPSK | 1     | 0    | Band 13 | 10M | 751    | 5230  | 18.83  | 18.95 |
|            |            |            | Band 4(4*4MIMO)  | 20M   | 1732.5 | 20175  | QPSK | 1     | 0    | Band 13 | 10M | 751    | 5230  | 18.76  | 18.95 |
|            |            |            | Band 13          | 10M   | 782    | 23230  | QPSK | 1     | 25   | Band 4  | 20M | 2132.5 | 2175  | 19.28  | 19.30 |
|            |            | CA_4A-17A  | Band 4           | 10M   | 1732.5 | 20175  | QPSK | 1     | 0    | Band 17 | 10M | 740    | 5790  | 18.91  | 18.95 |
|            |            |            | Band 4(4*4MIMO)  | 10M   | 1732.5 | 20175  | QPSK | 1     | 0    | Band 17 | 10M | 740    | 5790  | 18.85  | 18.95 |
|            |            |            | Band 17          | 10M   | 710    | 23790  | QPSK | 1     | 0    | Band 4  | 10M | 2132.5 | 2175  | 20.95  | 21.11 |
|            |            | CA_4A-29A  | Band 4           | 20M   | 1732.5 | 20175  | QPSK | 1     | 0    | Band 29 | 10M | 722.5  | 9715  | 18.94  | 18.95 |
|            |            |            | Band 4(4*4MIMO)  | 20M   | 1732.5 | 20175  | QPSK | 1     | 0    | Band 29 | 10M | 722.5  | 9715  | 18.92  | 18.95 |
|            |            | CA_4A-46A  | Band 4           | 20M   | 1732.5 | 20175  | QPSK | 1     | 0    | Band 46 | 20M | 5540   | 50690 | 18.82  | 18.95 |
|            |            |            | Band 4(4*4MIMO)  | 20M   | 1732.5 | 20175  | QPSK | 1     | 0    | Band 46 | 20M | 5540   | 50690 | 18.80  | 18.95 |
|            |            | CA_4A-71A  | Band 4           | 20M   | 1732.5 | 20175  | QPSK | 1     | 0    | Band 71 | 20M | 637    | 68786 | 18.79  | 18.95 |
|            |            |            | Band 4(4*4MIMO)  | 20M   | 1732.5 | 20175  | QPSK | 1     | 0    | Band 71 | 20M | 637    | 68786 | 18.75  | 18.95 |
|            |            |            | Band 71          | 20M   | 683    | 133322 | QPSK | 1     | 0    | Band 4  | 20M | 2132.5 | 2175  | 20.37  | 20.40 |
|            |            | CA_5A-48A  | Band 5           | 10M   | 836.5  | 20525  | QPSK | 1     | 0    | Band 48 | 20M | 3560   | 55340 | 17.94  | 18.05 |
|            |            |            | Band 48          | 20M   | 3609   | 55830  | QPSK | 1     | 0    | Band 5  | 10M | 881.5  | 2525  | 19.58  | 19.78 |
|            |            | CA_5A-66A  | Band 5           | 10M   | 836.5  | 20525  | QPSK | 1     | 0    | Band 66 | 20M | 2155   | 66886 | 17.94  | 18.05 |
|            |            |            | Band 66          | 20M   | 1745   | 132322 | QPSK | 1     | 0    | Band 5  | 10M | 881.5  | 2525  | 18.88  | 19.00 |
|            |            |            | Band 66(4*4MIMO) | 20M   | 1745   | 132322 | QPSK | 1     | 0    | Band 5  | 10M | 881.5  | 2525  | 18.83  | 19.00 |
|            |            | CA_7A-12A  | Band 7           | 20M   | 2560   | 21350  | QPSK | 1     | 99   | Band 12 | 10M | 737.5  | 5095  | 19.74  | 19.84 |
|            |            |            | Band 7(4*4MIMO)  | 20M   | 2560   | 21350  | QPSK | 1     | 99   | Band 12 | 10M | 737.5  | 5095  | 19.71  | 19.84 |
|            |            |            | Band 12          | 10M   | 707.5  | 23095  | QPSK | 1     | 49   | Band 7  | 20M | 2655   | 3100  | 19.45  | 19.63 |
|            |            | CA_12A-66A | Band 12          | 10M   | 707.5  | 23095  | QPSK | 1     | 49   | Band 66 | 20M | 2155   | 66886 | 19.62  | 19.63 |
|            |            |            | Band 66          | 20M   | 1745   | 132322 | QPSK | 1     | 0    | Band 12 | 10M | 737.5  | 5095  | 18.82  | 19.00 |
|            |            |            | Band 66(4*4MIMO) | 20M   | 1745   | 132322 | QPSK | 1     | 0    | Band 12 | 10M | 737.5  | 5095  | 18.79  | 19.00 |
|            |            | CA_13A-66A | Band 13          | 10M   | 782    | 23230  | QPSK | 1     | 25   | Band 66 | 20M | 2155   | 66886 | 19.16  | 19.30 |
|            |            |            | Band 66          | 20M   | 1745   | 132322 | QPSK | 1     | 0    | Band 13 | 10M | 751    | 5230  | 18.83  | 19.00 |
|            |            |            | Band 66(4*4MIMO) | 20M   | 1745   | 132322 | QPSK | 1     | 0    | Band 13 | 10M | 751    | 5230  | 18.77  | 19.00 |
|            |            | CA_25A-26A | Band 25          | 20M   | 1880   | 26340  | QPSK | 1     | 0    | Band 26 | 15M | 876.5  | 8865  | 19.76  | 19.88 |
|            |            |            | Band 26          | 15M   | 831.5  | 26865  | QPSK | 1     | 0    | Band 25 | 20M | 1962.5 | 8365  | 19.47  | 19.55 |
|            |            | CA_66A-46A | Band 66          | 20M   | 1745   | 132322 | QPSK | 1     | 0    | Band 46 | 20M | 5520.2 | 50492 | 18.98  | 19.00 |
|            |            | CA_66A-46A | Band 66(4*4MIMO) | 20M   | 1745   | 132322 | QPSK | 1     | 0    | Band 46 | 20M | 5520.2 | 50492 | 18.93  | 19.00 |
|            |            | CA_48A-48A | Band 48          | 20M   | 3609   | 55830  | QPSK | 1     | 0    | Band 48 | 20M | 3690   | 56640 | 19.73  | 19.78 |
|            |            | CA_48A-66A | Band 48          | 20M   | 3560   | 55340  | QPSK | 1     | 0    | Band 66 | 20M | 2155   | 66886 | 19.68  | 19.78 |
|            |            |            | Band 66          | 20M   | 1745   | 132322 | QPSK | 1     | 0    | Band 48 | 20M | 3690   | 56640 | 18.83  | 19.00 |
|            |            |            | Band 66(4*4MIMO) | 20M   | 1745   | 132322 | QPSK | 1     | 0    | Band 48 | 20M | 3690   | 56640 | 18.78  | 19.00 |
|            |            |            | Band 66          | 20M   | 1745   | 132322 | QPSK | 1     | 0    | Band 71 | 20M | 637    | 68786 | 18.88  | 19.00 |
|            |            | CA_66A-71A | Band 66(4*4MIMO) | 20M   | 1745   | 132322 | QPSK | 1     | 0    | Band 71 | 20M | 637    | 68786 | 18.81  | 19.00 |
|            |            |            | Band 71          | 20M   | 683    | 133322 | QPSK | 1     | 0    | Band 66 | 20M | 2155   | 66886 | 20.29  | 20.40 |
|            |            | Intra-Band | Contiguous       | CA_2C | Band 2 | 20M    | 1880 | 18900 | QPSK | 1       | 0   | Band 2 | 20M   | 1960.2 | 902   |

|  |                |            |                  |     |        |        |      |   |    |         |     |        |       |       |       |
|--|----------------|------------|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|-------|-------|
|  |                |            | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1960.2 | 902   | 18.95 | 19.09 |
|  |                | CA_5B      | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 5  | 10M | 891.4  | 2624  | 17.92 | 18.05 |
|  |                | CA_7C      | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 20M | 2660.2 | 3152  | 19.74 | 19.84 |
|  |                |            | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 20M | 2660.2 | 3152  | 19.73 | 19.84 |
|  |                | CA_48C     | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 41 | 20M | 3628.8 | 56028 | 19.68 | 19.78 |
|  |                | CA_66C     | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | 18.95 | 19.00 |
|  |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | 18.91 | 19.00 |
|  | Non-Contiguous | CA_2A-2A   | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | 18.95 | 19.09 |
|  |                |            | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | 18.91 | 19.09 |
|  |                | CA_4A-4A   | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | 18.84 | 18.95 |
|  |                |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | 18.82 | 18.95 |
|  |                | CA_7A-7A   | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | 19.74 | 19.84 |
|  |                | CA_66A-66A | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | 18.97 | 19.00 |
|  |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | 18.93 | 19.00 |

**<Reduced power mode 3 for Hotspot with 2.4GHz Wifi>  
<UAT>**

| Configure  |            | CA List | PCC    |       |       |         |      |     |        | SCC    |       |       |         | Power              |                    |
|------------|------------|---------|--------|-------|-------|---------|------|-----|--------|--------|-------|-------|---------|--------------------|--------------------|
|            |            |         | LTE    | BW    | UL    | UL      | Mod. | UL# | UL     | LTE    | BW    | DL    | DL      | With CA            | Without CA         |
|            |            |         | Band   | (MHz) | Freq. | Channel |      | RB  | Offset | Band   | (MHz) | Freq. | Channel | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |
|            |            |         |        |       | (MHz) |         |      |     |        |        |       | (MHz) |         |                    |                    |
| Intra-Band | Contiguous | CA_5B   | Band 5 | 10M   | 836.5 | 20525   | QPSK | 1   | 0      | Band 5 | 10M   | 891.4 | 2624    | 22.19              | 22.26              |

**<Reduced power mode 1 for Hotspot>  
<LAT>**

| Configure  | CA List   | PCC              |       |                |         |      |     |              | SCC     |       |                |         | Power              |                    |
|------------|-----------|------------------|-------|----------------|---------|------|-----|--------------|---------|-------|----------------|---------|--------------------|--------------------|
|            |           | LTE              | BW    | UL             | UL      | Mod. | UL# | UL           | LTE     | BW    | DL             | DL      | With CA            | Without CA         |
|            |           | Band             | (MHz) | Freq.<br>(MHz) | Channel |      | RB  | RB<br>Offset | Band    | (MHz) | Freq.<br>(MHz) | Channel | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |
| Inter-Band | CA_2A-4A  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | 21.35              | 21.38              |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | 21.33              | 21.38              |
|            |           | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | 21.68              | 21.71              |
|            |           | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | 21.64              | 21.71              |
|            | CA_2A-7A  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 7  | 20M   | 2655           | 3100    | 21.24              | 21.38              |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 7  | 20M   | 2655           | 3100    | 21.22              | 21.38              |
|            |           | Band 7           | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 2  | 20M   | 1960           | 900     | 21.79              | 21.93              |
|            |           | Band 7(4*4MIMO)  | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 2  | 20M   | 1960           | 900     | 21.74              | 21.93              |
|            | CA_2A-29A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 29 | 10M   | 722.5          | 9715    | 21.28              | 21.38              |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 29 | 10M   | 722.5          | 9715    | 21.26              | 21.38              |
|            | CA_2A-46A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5540           | 50690   | 21.23              | 21.38              |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5540           | 50690   | 21.20              | 21.38              |
|            | CA_2A-66A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 66 | 20M   | 2155           | 66886   | 21.19              | 21.38              |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 66 | 20M   | 2155           | 66886   | 21.17              | 21.38              |
|            |           | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | 21.68              | 21.78              |
|            |           | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | 21.65              | 21.78              |
|            | CA_4A-7A  | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 7  | 20M   | 2655           | 3100    | 21.54              | 21.71              |
|            |           | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 7  | 20M   | 2655           | 3100    | 21.50              | 21.71              |

|            |                |            |                  |     |        |        |      |   |    |         |     |        |       |       |       |
|------------|----------------|------------|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|-------|-------|
| Intra-Band | Contiguous     | CA_4A-29A  | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 4  | 20M | 2132.5 | 2175  | 21.89 | 21.93 |
|            |                |            | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 4  | 20M | 2132.5 | 2175  | 21.85 | 21.93 |
|            |                | CA_4A-46A  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | 21.54 | 21.71 |
|            |                |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | 21.52 | 21.71 |
|            |                | CA_66A-46A | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | 21.63 | 21.71 |
|            |                |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | 21.61 | 21.71 |
|            |                | CA_66A-46A | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | 21.67 | 21.78 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | 21.63 | 21.78 |
|            | Non-Contiguous | CA_2C      | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1960.2 | 902   | 21.23 | 21.38 |
|            |                |            | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1960.2 | 902   | 21.21 | 21.38 |
|            |                | CA_7C      | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 20M | 2660.2 | 3152  | 21.92 | 21.93 |
|            |                |            | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 20M | 2660.2 | 3152  | 21.90 | 21.93 |
|            |                | CA_66C     | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | 21.59 | 21.78 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | 21.56 | 21.78 |
|            |                | CA_2A-2A   | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | 21.26 | 21.38 |
|            |                |            | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | 21.24 | 21.38 |
|            |                | CA_4A-4A   | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | 21.66 | 21.71 |
|            |                |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | 21.65 | 21.71 |
|            |                | CA_7A-7A   | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | 21.82 | 21.93 |
|            |                |            | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | 21.78 | 21.93 |
|            |                | CA_66A-66A | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | 21.60 | 21.78 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | 21.56 | 21.78 |

**<Reduced power for Product specific>  
<LAT>**

| Configure  | CA List   | PCC              |       |             |         |      |     |        |    | SCC     |       |             |         | Power           |                 |
|------------|-----------|------------------|-------|-------------|---------|------|-----|--------|----|---------|-------|-------------|---------|-----------------|-----------------|
|            |           | LTE              | BW    | UL          | UL      | Mod. | UL# | UL     | RB | LTE     | BW    | DL          | DL      | With CA         | Without CA      |
|            |           | Band             | (MHz) | Freq. (MHz) | Channel |      | RB  | Offset |    | Band    | (MHz) | Freq. (MHz) | Channel | Tx. Power (dBm) | Tx. Power (dBm) |
| Inter-Band | CA_2A-4A  | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0      |    | Band 4  | 20M   | 2132.5      | 2175    | 20.12           | 20.29           |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0      |    | Band 4  | 20M   | 2132.5      | 2175    | 20.10           | 20.29           |
|            |           | Band 4           | 20M   | 1732.5      | 20175   | QPSK | 1   | 0      |    | Band 2  | 20M   | 1960        | 900     | 20.44           | 20.61           |
|            |           | Band 4(4*4MIMO)  | 20M   | 1732.5      | 20175   | QPSK | 1   | 0      |    | Band 2  | 20M   | 1960        | 900     | 20.41           | 20.61           |
|            | CA_2A-7A  | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0      |    | Band 7  | 20M   | 2655        | 3100    | 20.09           | 20.29           |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0      |    | Band 7  | 20M   | 2655        | 3100    | 20.08           | 20.29           |
|            |           | Band 7           | 20M   | 2560        | 21350   | QPSK | 1   | 99     |    | Band 2  | 20M   | 1960        | 900     | 21.18           | 21.26           |
|            |           | Band 7(4*4MIMO)  | 20M   | 2560        | 21350   | QPSK | 1   | 99     |    | Band 2  | 20M   | 1960        | 900     | 21.15           | 21.26           |
|            | CA_2A-29A | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0      |    | Band 29 | 10M   | 722.5       | 9715    | 20.14           | 20.29           |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0      |    | Band 29 | 10M   | 722.5       | 9715    | 20.10           | 20.29           |
|            | CA_2A-46A | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0      |    | Band 46 | 20M   | 5540        | 50690   | 20.16           | 20.29           |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0      |    | Band 46 | 20M   | 5540        | 50690   | 20.14           | 20.29           |
|            | CA_2A-66A | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0      |    | Band 66 | 20M   | 2155        | 66886   | 20.15           | 20.29           |
|            |           | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0      |    | Band 66 | 20M   | 2155        | 66886   | 20.14           | 20.29           |
|            |           | Band 66          | 20M   | 1745        | 132322  | QPSK | 1   | 0      |    | Band 2  | 20M   | 1960        | 900     | 20.48           | 20.68           |
|            |           | Band 66(4*4MIMO) | 20M   | 1745        | 132322  | QPSK | 1   | 0      |    | Band 2  | 20M   | 1960        | 900     | 20.46           | 20.68           |
|            | CA_4A-7A  | Band 4           | 20M   | 1732.5      | 20175   | QPSK | 1   | 0      |    | Band 7  | 20M   | 2655        | 3100    | 20.44           | 20.61           |
|            |           | Band 4(4*4MIMO)  | 20M   | 1732.5      | 20175   | QPSK | 1   | 0      |    | Band 7  | 20M   | 2655        | 3100    | 20.40           | 20.61           |

|            |                |            |                  |     |        |        |      |   |    |         |     |        |       |       |       |
|------------|----------------|------------|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|-------|-------|
| Intra-Band | Contiguous     | CA_4A-29A  | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 4  | 20M | 2132.5 | 2175  | 21.10 | 21.26 |
|            |                |            | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 4  | 20M | 2132.5 | 2175  | 21.08 | 21.26 |
|            |                |            | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | 20.42 | 20.61 |
|            |                |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | 20.40 | 20.61 |
|            |                |            | Band 7           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | 20.40 | 21.26 |
|            |                |            | Band 7(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | 20.35 | 21.26 |
|            |                | CA_4A-46A  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | 20.57 | 20.61 |
|            |                |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | 20.55 | 20.61 |
|            |                | CA_66A-46A | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | 20.64 | 20.68 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | 20.62 | 20.68 |
|            | Non-Contiguous | CA_2C      | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1960.2 | 902   | 20.19 | 20.29 |
|            |                |            | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1960.2 | 902   | 20.15 | 20.29 |
|            |                | CA_7C      | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 20M | 2660.2 | 3152  | 21.08 | 21.26 |
|            |                |            | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 20M | 2660.2 | 3152  | 21.05 | 21.26 |
|            |                | CA_66C     | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | 20.51 | 20.68 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | 20.48 | 20.68 |
|            |                | CA_2A-2A   | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | 20.27 | 20.29 |
|            |                |            | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | 20.26 | 20.29 |
|            |                | CA_4A-4A   | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | 20.41 | 20.61 |
|            |                |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | 20.38 | 20.61 |
|            |                | CA_7A-7A   | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | 21.20 | 21.26 |
|            |                |            | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | 21.18 | 21.26 |
|            |                | CA_66A-66A | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | 20.66 | 20.68 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | 20.65 | 20.68 |

**<Downlink Three Carrier power verification>**
**<Full power>**
**<UAT>**

| Configure  |              | PCC             |       |             |         |      |     |           | SCC1    |       |             |         | SCC2    |       |             |         | Power           |                 |
|------------|--------------|-----------------|-------|-------------|---------|------|-----|-----------|---------|-------|-------------|---------|---------|-------|-------------|---------|-----------------|-----------------|
|            |              | LTE             | BW    | UL          | UL      |      | UL# | UL        | LTE     | BW    | DL          | DL      | LTE     | BW    | DL          | DL      | With CA         | Without CA      |
|            |              | Band            | (MHz) | Freq. (MHz) | Channel | Mod. | RB  | RB Offset | Band    | (MHz) | Freq. (MHz) | Channel | Band    | (MHz) | Freq. (MHz) | Channel | Tx. Power (dBm) | Tx. Power (dBm) |
| Inter-Band | CA_2A-4A-5A  | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 5  | 10M   | 881.5       | 2525    | 21.98           | 21.99           |
|            |              | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 5  | 10M   | 881.5       | 2525    | 21.85           | 21.99           |
|            |              | Band 4          | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 5  | 10M   | 881.5       | 2525    | Band 2  | 20M   | 1960        | 900     | 22.24           | 22.4            |
|            |              | Band 4(4*4MIMO) | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 5  | 10M   | 881.5       | 2525    | Band 2  | 20M   | 1960        | 900     | 21.19           | 22.4            |
|            |              | Band 5          | 10M   | 836.5       | 20525   | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 4  | 20M   | 2132.5      | 2175    | 22.8            | 22.8            |
|            | CA_2A-4A-7A  | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 7  | 20M   | 2655        | 3100    | 21.93           | 21.99           |
|            |              | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 7  | 20M   | 2655        | 3100    | 22.91           | 21.99           |
|            |              | Band 4          | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 7  | 20M   | 2655        | 3100    | Band 2  | 20M   | 1960        | 900     | 22.4            | 22.4            |
|            |              | Band 4(4*4MIMO) | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 7  | 20M   | 2655        | 3100    | Band 2  | 20M   | 1960        | 900     | 22.35           | 22.4            |
|            |              | Band 7          | 20M   | 2560        | 21350   | QPSK | 1   | 99        | Band 2  | 20M   | 1960        | 900     | Band 4  | 20M   | 2132.5      | 2175    | 21.08           | 21.15           |
|            | CA_2A-4A-12A | Band 7(4*4MIMO) | 20M   | 2560        | 21350   | QPSK | 1   | 99        | Band 2  | 20M   | 1960        | 900     | Band 4  | 20M   | 2132.5      | 2175    | 22.01           | 21.15           |
|            |              | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 12 | 10M   | 737.5       | 5095    | 21.96           | 21.99           |
|            |              | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 12 | 10M   | 737.5       | 5095    | 21.92           | 21.99           |
|            |              | Band 4          | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 12 | 10M   | 737.5       | 5095    | Band 2  | 20M   | 1960        | 900     | 22.34           | 22.4            |
|            |              | Band 4(4*4MIMO) | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 12 | 10M   | 737.5       | 5095    | Band 2  | 20M   | 1960        | 900     | 22.29           | 22.4            |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

|  |               |                  |     |        |        |      |   |    |         |     |        |       |         |     |        |       |       |       |
|--|---------------|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|---------|-----|--------|-------|-------|-------|
|  | CA_2A-4A-13A  | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 2  | 20M | 1960   | 900   | Band 4  | 20M | 2132.5 | 2175  | 23.39 | 23.42 |
|  |               | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | Band 13 | 10M | 751    | 5230  | 21.89 | 21.99 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | Band 13 | 10M | 751    | 5230  | 21.85 | 21.99 |
|  |               | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | Band 2  | 20M | 1960   | 900   | 22.31 | 22.4  |
|  |               | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | Band 2  | 20M | 1960   | 900   | 22.27 | 22.4  |
|  | CA_2A-4A-29A  | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 2  | 20M | 1960   | 900   | Band 4  | 20M | 2132.5 | 2175  | 22.41 | 22.59 |
|  |               | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | Band 29 | 10M | 722.5  | 9715  | 21.94 | 21.99 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | Band 29 | 10M | 722.5  | 9715  | 21.89 | 21.99 |
|  |               | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | Band 2  | 20M | 1960   | 900   | 22.32 | 22.4  |
|  | CA_2A-4A-71A  | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | Band 2  | 20M | 1960   | 900   | 22.29 | 22.4  |
|  |               | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | Band 71 | 20M | 637    | 68786 | 21.93 | 21.99 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | Band 71 | 20M | 637    | 68786 | 21.9  | 21.99 |
|  |               | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 71 | 20M | 637    | 68786 | Band 2  | 20M | 1960   | 900   | 22.33 | 22.4  |
|  |               | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 71 | 20M | 637    | 68786 | Band 2  | 20M | 1960   | 900   | 22.29 | 22.4  |
|  | CA_2A-5A-30A  | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 4  | 20M | 2132.5 | 2175  | 23.54 | 23.69 |
|  |               | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | Band 30 | 10M | 2355   | 9820  | 21.94 | 21.99 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | Band 30 | 10M | 2355   | 9820  | 21.89 | 21.99 |
|  |               | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 30 | 10M | 2355   | 9820  | Band 2  | 20M | 1960   | 900   | 22.67 | 22.8  |
|  | CA_2A-5A-66A  | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 5  | 10M | 881.5  | 2525  | 20.58 | 20.63 |
|  |               | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | Band 66 | 20M | 2155   | 66886 | 21.95 | 21.99 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | Band 66 | 20M | 2155   | 66886 | 21.89 | 21.99 |
|  |               | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 2  | 20M | 1960   | 900   | 22.68 | 22.8  |
|  |               | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 5  | 10M | 881.5  | 2525  | 22.31 | 22.39 |
|  | CA_2A-12A-30A | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 5  | 10M | 881.5  | 2525  | 22.28 | 22.39 |
|  |               | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 30 | 10M | 2355   | 9820  | 21.9  | 21.99 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 30 | 10M | 2355   | 9820  | 21.85 | 21.99 |
|  |               | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 30 | 10M | 2355   | 9820  | Band 2  | 20M | 1960   | 900   | 23.28 | 23.42 |
|  | CA_2A-12A-66A | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 12 | 10M | 737.5  | 5095  | 20.54 | 20.63 |
|  |               | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2155   | 66886 | 21.87 | 21.99 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2155   | 66886 | 21.81 | 21.99 |
|  |               | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 2  | 20M | 1960   | 900   | 23.31 | 23.42 |
|  |               | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 12 | 10M | 737.5  | 5095  | 22.25 | 22.39 |
|  | CA_2A-13A-66A | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 12 | 10M | 737.5  | 5095  | 22.19 | 22.39 |
|  |               | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2155   | 66886 | 21.97 | 21.99 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2155   | 66886 | 21.89 | 21.99 |
|  |               | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 2  | 20M | 2155   | 66886 | Band 2  | 20M | 1960   | 900   | 22.47 | 22.59 |
|  |               | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 13 | 10M | 751    | 5230  | 22.32 | 22.39 |
|  | CA_2A-46A-66A | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 13 | 10M | 751    | 5230  | 22.28 | 22.39 |
|  |               | Band 2           | 20M | 1900   | 19100  | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | Band 66 | 20M | 2155   | 66886 | 21.87 | 21.99 |
|  |               | Band 2(4*4MIMO)  | 20M | 1900   | 19100  | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | Band 66 | 20M | 2155   | 66886 | 21.79 | 21.99 |
|  |               | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | Band 2  | 20M | 1960   | 900   | 22.26 | 22.39 |
|  | CA_2A-29A-30A | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | Band 2  | 20M | 1960   | 900   | 22.2  | 22.39 |
|  |               | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | Band 30 | 10M | 2355   | 9820  | 21.85 | 21.99 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | Band 30 | 10M | 2355   | 9820  | 21.8  | 21.99 |
|  | CA_2A-66A-71A | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 29 | 10M | 722.5  | 9715  | 20.47 | 20.63 |
|  |               | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 71 | 20M | 637    | 68786 | 21.91 | 21.99 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 71 | 20M | 637    | 68786 | 21.85 | 21.99 |
|  |               | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 71 | 20M | 637    | 68786 | Band 2  | 20M | 1960   | 900   | 22.29 | 22.39 |
|  |               | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 71 | 20M | 637    | 68786 | Band 2  | 20M | 1960   | 900   | 22.19 | 22.39 |



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Report No. : FA8D2526-01

|  |                |                  |     |        |        |      |   |    |         |     |        |       |         |     |        |       |       |       |
|--|----------------|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|---------|-----|--------|-------|-------|-------|
|  | CA_4A-5A-30A   | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 66 | 20M | 2155   | 66886 | 23.57 | 23.69 |
|  |                | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | Band 30 | 10M | 2355   | 9820  | 22.31 | 22.4  |
|  |                | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | Band 30 | 10M | 2355   | 9820  | 22.3  | 22.4  |
|  |                | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 30 | 10M | 2355   | 9820  | Band 4  | 20M | 2132.5 | 2175  | 22.73 | 22.8  |
|  |                | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | Band 5  | 10M | 881.5  | 2525  | 20.56 | 20.63 |
|  | CA_4A-7A-12A   | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | Band 12 | 10M | 737.5  | 5095  | 22.36 | 22.4  |
|  |                | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 12 | 10M | 737.5  | 5095  | Band 4  | 20M | 2132.5 | 2175  | 21.01 | 21.15 |
|  |                | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 4  | 20M | 2132.5 | 2175  | Band 7  | 20M | 2655   | 3100  | 23.35 | 23.42 |
|  | CA_4A-12A-30A  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 30 | 10M | 2355   | 9820  | 22.31 | 22.4  |
|  |                | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 30 | 10M | 2355   | 9820  | 22.25 | 22.4  |
|  |                | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 0  | Band 30 | 10M | 2355   | 9820  | Band 4  | 20M | 2132.5 | 2175  | 23.31 | 23.42 |
|  |                | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | Band 12 | 10M | 737.5  | 5095  | 20.51 | 20.63 |
|  | CA_4A-29A-30A  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | Band 30 | 10M | 2355   | 9820  | 22.37 | 22.4  |
|  |                | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | Band 30 | 10M | 2355   | 9820  | 22.31 | 22.4  |
|  |                | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | Band 29 | 10M | 722.5  | 9715  | 20.47 | 20.63 |
|  | CA_5A-30A-66A  | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 30 | 10M | 2355   | 9820  | Band 66 | 20M | 2155   | 66886 | 22.74 | 22.8  |
|  |                | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 5  | 10M | 881.5  | 2525  | 20.42 | 20.63 |
|  |                | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | Band 30 | 10M | 2355   | 9820  | 22.27 | 22.39 |
|  |                | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | Band 30 | 10M | 2355   | 9820  | 22.19 | 22.39 |
|  | CA_12A-30A-66A | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 30 | 10M | 2355   | 9820  | Band 66 | 20M | 2155   | 66886 | 23.3  | 23.42 |
|  |                | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 12 | 10M | 737.5  | 5095  | 20.44 | 20.63 |
|  |                | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 30 | 10M | 2355   | 9820  | 22.24 | 22.39 |
|  |                | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 30 | 10M | 2355   | 9820  | 22.19 | 22.39 |

| Configure  |              | PCC             |       |             |         |      |     |           | SCC1    |       |             |         | SCC2    |       |             |         | Power           |                 |
|------------|--------------|-----------------|-------|-------------|---------|------|-----|-----------|---------|-------|-------------|---------|---------|-------|-------------|---------|-----------------|-----------------|
|            |              | LTE             | BW    | UL          | Channel | Mod. | UL# | UL        | LTE     | BW    | DL          | DL      | LTE     | BW    | DL          | DL      | With CA         | Without CA      |
|            |              | Band            | (MHz) | Freq. (MHz) |         |      | RB  | RB Offset | Band    | (MHz) | Freq. (MHz) | Channel | Band    | (MHz) | Freq. (MHz) | Channel | Tx. Power (dBm) | Tx. Power (dBm) |
| Inter-Band | CA_2A-2A-4A  | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5      | 1175    | Band 4  | 20M   | 2132.5      | 2175    | 21.9            | 21.99           |
|            |              | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5      | 1175    | Band 4  | 20M   | 2132.5      | 2175    | 21.81           | 21.99           |
|            |              | Band 4          | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 2  | 5M    | 1987.5      | 1175    | 22.23           | 22.4            |
|            | CA_2A-4A-4A  | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 4  | 5M    | 2152.5      | 2375    | 21.89           | 21.99           |
|            |              | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 4  | 5M    | 2152.5      | 2375    | 21.81           | 21.99           |
|            |              | Band 4          | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 4  | 5M    | 2152.5      | 2375    | Band 2  | 20M   | 1960        | 900     | 22.2            | 22.4            |
|            |              | Band 4(4*4MIMO) | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 4  | 5M    | 2152.5      | 2375    | Band 2  | 20M   | 1960        | 900     | 22.19           | 22.4            |
|            | CA_2A-2A-5A  | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5      | 1175    | Band 5  | 10M   | 881.5       | 2525    | 21.95           | 21.99           |
|            |              | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5      | 1175    | Band 5  | 10M   | 881.5       | 2525    | 21.91           | 21.99           |
|            |              | Band 5          | 10M   | 836.5       | 20525   | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 2  | 5M    | 1987.5      | 1175    | 22.74           | 22.8            |
|            | CA_2A-7A-7A  | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 7  | 20M   | 2655        | 3100    | Band 7  | 5M    | 2687.5      | 3425    | 21.93           | 21.99           |
|            |              | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 7  | 20M   | 2655        | 3100    | Band 7  | 5M    | 2687.5      | 3425    | 21.88           | 21.99           |
|            |              | Band 7          | 20M   | 2560        | 21350   | QPSK | 1   | 99        | Band 7  | 5M    | 2622.5      | 2775    | Band 2  | 20M   | 1960        | 900     | 21.02           | 21.15           |
|            |              | Band 7(4*4MIMO) | 20M   | 2560        | 21350   | QPSK | 1   | 99        | Band 7  | 5M    | 2622.5      | 2775    | Band 2  | 20M   | 1960        | 900     | 20.95           | 21.15           |
|            | CA_2A-46C    | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5540.2      | 50692   | Band 46 | 20M   | 5560        | 50890   | 21.96           | 21.99           |
|            |              | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5540.2      | 50692   | Band 46 | 20M   | 5560        | 50890   | 21.85           | 21.99           |
|            | CA_2A-2A-12A | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5      | 1175    | Band 12 | 10M   | 737.5       | 5095    | 21.89           | 21.99           |
|            |              | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5      | 1175    | Band 12 | 10M   | 737.5       | 5095    | 21.84           | 21.99           |
|            |              | Band 12         | 10M   | 707.5       | 23095   | QPSK | 1   | 49        | Band 2  | 20M   | 1960        | 900     | Band 2  | 5M    | 1987.5      | 1175    | 23.41           | 23.42           |
|            | CA_2C-66A    | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 20M   | 1979.8      | 1098    | Band 66 | 20M   | 2155        | 66886   | 21.9            | 21.99           |
|            |              | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 20M   | 1979.8      | 1098    | Band 66 | 20M   | 2155        | 66886   | 21.85           | 21.99           |
|            |              | Band 66         | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 2  | 20M   | 1979.8      | 1098    | 22.36           | 22.39           |



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|            |               |                  |     |        |        |      |   |    |         |     |        |       |         |     |        |       |       |       |
|------------|---------------|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|---------|-----|--------|-------|-------|-------|
|            | CA_2A-2A-13A  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 20M | 1979.8 | 1098  | 22.26 | 22.39 |
|            |               | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | 21.93 | 21.99 |
|            |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | 21.87 | 21.99 |
|            |               | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 22.37 | 22.59 |
|            | CA_2A-66C     | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 21.94 | 21.99 |
|            |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 21.91 | 21.99 |
|            |               | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 2  | 20M | 1960   | 900   | 22.21 | 22.39 |
|            |               | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 2  | 20M | 1960   | 900   | 22.16 | 22.39 |
|            | CA_2A-48C     | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 48 | 20M | 3615.1 | 55891 | Band 48 | 20M | 3634.9 | 56089 | 21.89 | 21.99 |
|            |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 48 | 20M | 3615.1 | 55891 | Band 48 | 20M | 3634.9 | 56089 | 21.84 | 21.99 |
|            |               | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 48 | 20M | 3634.9 | 56089 | Band 2  | 20M | 1960   | 900   | 23.35 | 23.5  |
|            | CA_2A-2A-66A  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | 21.93 | 21.99 |
|            |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | 21.86 | 21.99 |
|            |               | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 22.2  | 22.39 |
|            |               | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 22.16 | 22.39 |
|            | CA_2A-2A-71A  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 71 | 20M | 637    | 68786 | 21.9  | 21.99 |
|            |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 71 | 20M | 637    | 68786 | 21.81 | 21.99 |
|            |               | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 23.51 | 23.69 |
|            | CA_2A-66A-66A | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 21.94 | 21.99 |
|            |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 21.89 | 21.99 |
|            |               | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 2  | 20M | 1960   | 900   | 22.29 | 22.39 |
|            |               | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 2  | 20M | 1960   | 900   | 22.17 | 22.39 |
|            | CA_2A-48A-48A | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 48 | 20M | 3560   | 55340 | Band 48 | 20M | 3690   | 56640 | 21.92 | 21.99 |
|            |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 48 | 20M | 3560   | 55340 | Band 48 | 20M | 3690   | 56640 | 21.84 | 21.99 |
|            |               | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 56640 | Band 2  | 20M | 1960   | 900   | 23.23 | 23.5  |
|            | CA_2A-48A-66A | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 48 | 20M | 3560   | 55340 | Band 66 | 5M  | 2197.5 | 67311 | 21.91 | 21.99 |
|            |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 48 | 20M | 3560   | 55340 | Band 66 | 5M  | 2197.5 | 67311 | 21.85 | 21.99 |
|            |               | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 56640 | Band 2  | 20M | 1960   | 900   | 22.18 | 22.39 |
|            |               | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 56640 | Band 2  | 20M | 1960   | 900   | 22.06 | 22.39 |
|            |               | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 66 | 5M  | 2197.5 | 67311 | 23.31 | 23.5  |
|            | CA_4A-4A-5A   | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 5  | 10M | 881.5  | 2525  | 22.31 | 22.4  |
|            |               | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 5  | 10M | 881.5  | 2525  | 22.23 | 22.4  |
|            |               | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 22.72 | 22.8  |
|            | CA_4A-4A-7A   | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 7  | 20M | 2655   | 3100  | 22.37 | 22.4  |
|            |               | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 7  | 20M | 2655   | 3100  | 22.29 | 22.4  |
|            |               | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 21    | 21.15 |
|            |               | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 20.96 | 21.15 |
|            | CA_4A-7A-7A   | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | Band 7  | 5M  | 2687.5 | 3425  | 22.33 | 22.4  |
|            |               | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | Band 7  | 5M  | 2687.5 | 3425  | 22.29 | 22.4  |
|            |               | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | Band 4  | 20M | 2132.5 | 2175  | 21.06 | 21.15 |
|            |               | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | Band 4  | 20M | 2132.5 | 2175  | 21.01 | 21.15 |
| Inter-Band | CA_4A-46C     | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 22.31 | 22.4  |
|            |               | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 22.28 | 22.4  |
|            | CA_4A-4A-12A  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 12 | 10M | 737.5  | 5095  | 22.34 | 22.4  |
|            |               | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 12 | 10M | 737.5  | 5095  | 22.29 | 22.4  |
|            |               | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 23.36 | 23.42 |
|            | CA_4A-4A-71A  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 71 | 20M | 637    | 68786 | 22.35 | 22.4  |
|            |               | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 71 | 20M | 637    | 68786 | 22.25 | 22.4  |



# FCC SAR TEST REPORT

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|            |                |            |                  |     |        |        |      |   |    |         |     |        |       |         |     |        |       |       |       |
|------------|----------------|------------|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|---------|-----|--------|-------|-------|-------|
| Intra-Band |                |            | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 23.55 | 23.69 |
|            | CA_4A-4A-13A   |            | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 13 | 10M | 751    | 5230  | 22.31 | 22.4  |
|            |                |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 13 | 10M | 751    | 5230  | 22.26 | 22.4  |
|            |                |            | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 22.48 | 22.59 |
|            | CA_4A-46A-46A  |            | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 22.29 | 22.4  |
|            |                |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 22.21 | 22.4  |
|            | CA_2A-46A-46A  |            | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 21.87 | 21.99 |
|            |                |            | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 21.81 | 21.99 |
|            | CA_66A-46A-46A |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 22.21 | 22.39 |
|            |                |            | Band 6(4*4MIMO)  | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 22.16 | 22.39 |
|            | CA_48A-48A-66A |            | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 55640 | Band 66 | 20M | 2174.8 | 67084 | 23.34 | 23.5  |
|            |                |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3560   | 55340 | Band 48 | 20M | 3690   | 55640 | 22.27 | 22.39 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3560   | 55340 | Band 48 | 20M | 3690   | 55640 | 22.19 | 22.39 |
|            | CA_5A-66A-66A  |            | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 22.61 | 22.8  |
|            |                |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 5  | 10M | 881.5  | 2525  | 22.29 | 22.39 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 5  | 10M | 881.5  | 2525  | 22.22 | 22.39 |
|            | CA_5A-66C      |            | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 22.76 | 22.8  |
|            |                |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 5  | 10M | 881.5  | 2525  | 22.22 | 22.39 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 5  | 10M | 881.5  | 2525  | 22.16 | 22.39 |
|            | CA_12A-66A-66A |            | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 23.31 | 23.42 |
|            |                |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 12 | 10M | 737.5  | 5095  | 22.18 | 22.39 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 12 | 10M | 737.5  | 5095  | 22.13 | 22.39 |
|            | CA_12A-66C     |            | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 23.28 | 23.42 |
|            |                |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 12 | 10M | 737.5  | 5095  | 22.26 | 22.39 |
|            | CA_13A-66A-66A |            | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 22.28 | 22.59 |
|            |                |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 13 | 10M | 751    | 5230  | 22.21 | 22.39 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 13 | 10M | 751    | 5230  | 22.15 | 22.39 |
|            | CA_66A-66A-71A |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 71 | 20M | 637    | 68786 | 22.3  | 22.39 |
|            |                |            | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 23.54 | 23.69 |
|            | CA_66A-46C     |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 22.27 | 22.39 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 22.21 | 22.39 |
|            | CA_66C-71A     |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 71 | 20M | 637    | 68786 | 22.32 | 22.39 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 71 | 20M | 637    | 68786 | 22.26 | 22.39 |
|            |                |            | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 23.58 | 23.69 |
|            | CA_66A-66C     |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 22.33 | 22.39 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 22.23 | 22.39 |
|            | CA_48C-66A     |            | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 48 | 20M | 3628.8 | 56028 | Band 66 | 20M | 2174.8 | 67084 | 23.36 | 23.5  |
|            |                |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3553.3 | 55273 | Band 48 | 20M | 3690   | 56640 | 22.28 | 22.39 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3553.3 | 55273 | Band 48 | 20M | 3690   | 56640 | 22.13 | 22.39 |
|            | CA_48C-48A     |            | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 48 | 20M | 3628.8 | 56028 | Band 48 | 20M | 3560   | 55340 | 23.32 | 23.5  |
| Intra-Band | Contiguous     | CA_41D     | Band 41          | 20M | 2680   | 41490  | QPSK | 1 | 49 | Band 41 | 20M | 2660.2 | 41292 | Band 41 | 20M | 2640.4 | 41094 | 20.65 | 20.72 |
|            | Contiguous     | CA_48D     | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 48 | 20M | 3628.8 | 56028 | Band 48 | 20M | 3648.6 | 56226 | 23.44 | 23.5  |
|            | Non-Contiguous | CA_41A-41C | Band 41          | 20M | 2680   | 41490  | QPSK | 1 | 49 | Band 41 | 20M | 2660.2 | 41292 | Band 41 | 5M  | 2687.5 | 41565 | 20.59 | 20.72 |



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| Configure  |               | PCC              |       |             |         |      |     |           | SCC1    |       |             |         | SCC2    |       |             |         | Power           |                 |
|------------|---------------|------------------|-------|-------------|---------|------|-----|-----------|---------|-------|-------------|---------|---------|-------|-------------|---------|-----------------|-----------------|
|            |               | LTE              | BW    | UL          | UL      |      | UL# | UL        | LTE     | BW    | DL          | DL      | LTE     | BW    | DL          | DL      | With CA         | Without CA      |
|            |               | Band             | (MHz) | Freq. (MHz) | Channel | Mod. | RB  | RB Offset | Band    | (MHz) | Freq. (MHz) | Channel | Band    | (MHz) | Freq. (MHz) | Channel | Tx. Power (dBm) | Tx. Power (dBm) |
|            |               |                  |       |             |         |      |     |           |         |       |             |         |         |       |             |         |                 |                 |
| Inter-Band | CA_2A-4A-5A   | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 5  | 10M   | 881.5       | 2525    | 23.25           | 23.31           |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 5  | 10M   | 881.5       | 2525    | 23.22           | 23.31           |
|            |               | Band 4           | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 5  | 10M   | 881.5       | 2525    | Band 2  | 20M   | 1960        | 900     | 23.51           | 23.72           |
|            |               | Band 4(4*4MIMO)  | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 5  | 10M   | 881.5       | 2525    | Band 2  | 20M   | 1960        | 900     | 23.47           | 23.72           |
|            |               | Band 5           | 10M   | 836.5       | 20525   | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 4  | 20M   | 2132.5      | 2175    | 22.34           | 22.45           |
|            | CA_2A-4A-7A   | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 7  | 20M   | 2655        | 3100    | 23.22           | 23.31           |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 7  | 20M   | 2655        | 3100    | 23.18           | 23.31           |
|            |               | Band 4           | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 7  | 20M   | 2655        | 3100    | Band 2  | 20M   | 1960        | 900     | 23.64           | 23.72           |
|            |               | Band 4(4*4MIMO)  | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 7  | 20M   | 2655        | 3100    | Band 2  | 20M   | 1960        | 900     | 23.6            | 23.72           |
|            |               | Band 7           | 20M   | 2560        | 21350   | QPSK | 1   | 99        | Band 2  | 20M   | 1960        | 900     | Band 4  | 20M   | 2132.5      | 2175    | 23.02           | 23.25           |
|            | CA_2A-4A-12A  | Band 7(4*4MIMO)  | 20M   | 2560        | 21350   | QPSK | 1   | 99        | Band 2  | 20M   | 1960        | 900     | Band 4  | 20M   | 2132.5      | 2175    | 22.95           | 23.25           |
|            |               | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 12 | 10M   | 737.5       | 5095    | 23.25           | 23.31           |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 12 | 10M   | 737.5       | 5095    | 23.21           | 23.31           |
|            |               | Band 4           | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 12 | 10M   | 737.5       | 5095    | Band 2  | 20M   | 1960        | 900     | 23.62           | 23.72           |
|            |               | Band 4(4*4MIMO)  | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 12 | 10M   | 737.5       | 5095    | Band 2  | 20M   | 1960        | 900     | 23.58           | 23.72           |
|            | CA_2A-4A-13A  | Band 12          | 10M   | 707.5       | 23095   | QPSK | 1   | 49        | Band 2  | 20M   | 1960        | 900     | Band 4  | 20M   | 2132.5      | 2175    | 22.89           | 23.01           |
|            |               | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 13 | 10M   | 751         | 5230    | 23.26           | 23.31           |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 13 | 10M   | 751         | 5230    | 23.18           | 23.31           |
|            |               | Band 4           | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 13 | 10M   | 751         | 5230    | Band 2  | 20M   | 1960        | 900     | 23.36           | 23.72           |
|            |               | Band 4(4*4MIMO)  | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 13 | 10M   | 751         | 5230    | Band 2  | 20M   | 1960        | 900     | 23.27           | 23.72           |
|            | CA_2A-4A-29A  | Band 13          | 10M   | 782         | 23230   | QPSK | 1   | 25        | Band 2  | 20M   | 1960        | 900     | Band 4  | 20M   | 2132.5      | 2175    | 21.98           | 22.06           |
|            |               | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 29 | 10M   | 722.5       | 9715    | 23.18           | 23.31           |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 29 | 10M   | 722.5       | 9715    | 23.15           | 23.31           |
|            |               | Band 4           | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 29 | 10M   | 722.5       | 9715    | Band 2  | 20M   | 1960        | 900     | 23.5            | 23.72           |
|            |               | Band 4(4*4MIMO)  | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 29 | 10M   | 722.5       | 9715    | Band 2  | 20M   | 1960        | 900     | 23.45           | 23.72           |
|            | CA_2A-4A-71A  | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 71 | 20M   | 637         | 68786   | 23.24           | 23.31           |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 71 | 20M   | 637         | 68786   | 23.18           | 23.31           |
|            |               | Band 4           | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 71 | 20M   | 637         | 68786   | Band 2  | 20M   | 1960        | 900     | 23.51           | 23.72           |
|            |               | Band 4(4*4MIMO)  | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 71 | 20M   | 637         | 68786   | Band 2  | 20M   | 1960        | 900     | 23.48           | 23.72           |
|            |               | Band 71          | 20M   | 683         | 133322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 4  | 20M   | 2132.5      | 2175    | 23.23           | 23.43           |
|            | CA_2A-5A-30A  | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 5  | 10M   | 881.5       | 2525    | Band 30 | 10M   | 2355        | 9820    | 23.21           | 23.31           |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 5  | 10M   | 881.5       | 2525    | Band 30 | 10M   | 2355        | 9820    | 23.18           | 23.31           |
|            |               | Band 5           | 10M   | 836.5       | 20525   | QPSK | 1   | 0         | Band 30 | 10M   | 2355        | 9820    | Band 2  | 20M   | 1960        | 900     | 22.37           | 22.45           |
|            |               | Band 30          | 10M   | 2310        | 27710   | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 5  | 10M   | 881.5       | 2525    | 22.43           | 22.56           |
|            |               | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 5  | 10M   | 881.5       | 2525    | Band 66 | 20M   | 2155        | 66886   | 23.31           | 23.31           |
|            | CA_2A-5A-66A  | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 5  | 10M   | 881.5       | 2525    | Band 66 | 20M   | 2155        | 66886   | 23.28           | 23.31           |
|            |               | Band 5           | 10M   | 836.5       | 20525   | QPSK | 1   | 0         | Band 66 | 20M   | 2155        | 66886   | Band 2  | 20M   | 1960        | 900     | 22.33           | 22.45           |
|            |               | Band 66          | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 5  | 10M   | 881.5       | 2525    | 23.66           | 23.73           |
|            |               | Band 66(4*4MIMO) | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 5  | 10M   | 881.5       | 2525    | 23.58           | 23.73           |
|            |               | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 12 | 10M   | 737.5       | 5095    | Band 30 | 10M   | 2355        | 9820    | 23.2            | 23.31           |
|            | CA_2A-12A-30A | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 12 | 10M   | 737.5       | 5095    | Band 30 | 10M   | 2355        | 9820    | 23.17           | 23.31           |
|            |               | Band 12          | 10M   | 707.5       | 23095   | QPSK | 1   | 49        | Band 30 | 10M   | 2355        | 9820    | Band 2  | 20M   | 1960        | 900     | 22.94           | 23.01           |
|            |               | Band 30          | 10M   | 2310        | 27710   | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 12 | 10M   | 737.5       | 5095    | 22.46           | 22.56           |
|            |               | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 12 | 10M   | 737.5       | 5095    | Band 66 | 20M   | 2155        | 66886   | 23.26           | 23.31           |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

|                |  |                  |     |        |        |      |   |    |         |     |        |       |         |     |        |       |       |       |
|----------------|--|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|---------|-----|--------|-------|-------|-------|
|                |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2155   | 66886 | 23.24 | 23.31 |
|                |  | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 2  | 20M | 1960   | 900   | 22.91 | 23.01 |
|                |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 12 | 10M | 737.5  | 5095  | 23.55 | 23.73 |
|                |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 12 | 10M | 737.5  | 5095  | 23.52 | 23.73 |
| CA_2A-13A-66A  |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2155   | 66886 | 23.24 | 23.31 |
|                |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2155   | 66886 | 23.19 | 23.31 |
|                |  | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 2  | 20M | 2155   | 66886 | Band 2  | 20M | 1960   | 900   | 21.98 | 22.06 |
|                |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 13 | 10M | 751    | 5230  | 23.51 | 23.73 |
| CA_2A-66A-71A  |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 13 | 10M | 751    | 5230  | 23.48 | 23.73 |
|                |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 71 | 20M | 637    | 68786 | 23.25 | 23.31 |
|                |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 71 | 20M | 637    | 68786 | 23.21 | 23.31 |
|                |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 71 | 20M | 637    | 68786 | Band 2  | 20M | 1960   | 900   | 23.58 | 23.73 |
| CA_4A-5A-30A   |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 71 | 20M | 637    | 68786 | Band 2  | 20M | 1960   | 900   | 23.54 | 23.73 |
|                |  | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 66 | 20M | 2155   | 66886 | 23.28 | 23.43 |
|                |  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | Band 30 | 10M | 2355   | 9820  | 23.49 | 23.72 |
|                |  | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | Band 30 | 10M | 2355   | 9820  | 23.42 | 23.72 |
| CA_4A-7A-12A   |  | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 30 | 10M | 2355   | 9820  | Band 4  | 20M | 2132.5 | 2175  | 22.32 | 22.45 |
|                |  | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | Band 5  | 10M | 881.5  | 2525  | 22.39 | 22.56 |
|                |  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | Band 12 | 10M | 737.5  | 5095  | 23.47 | 23.72 |
|                |  | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | Band 12 | 10M | 737.5  | 5095  | 23.45 | 23.72 |
| CA_4A-12A-30A  |  | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 12 | 10M | 737.5  | 5095  | Band 4  | 20M | 2132.5 | 2175  | 23.09 | 23.25 |
|                |  | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 12 | 10M | 737.5  | 5095  | Band 4  | 20M | 2132.5 | 2175  | 23.04 | 23.25 |
|                |  | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 4  | 20M | 2132.5 | 2175  | Band 7  | 20M | 2655   | 3100  | 22.87 | 23.01 |
|                |  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 30 | 10M | 2355   | 9820  | 23.5  | 23.72 |
| CA_4A-29A-30A  |  | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 30 | 10M | 2355   | 9820  | 23.45 | 23.72 |
|                |  | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 0  | Band 30 | 10M | 2355   | 9820  | Band 4  | 20M | 2132.5 | 2175  | 22.92 | 23.01 |
|                |  | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | Band 12 | 10M | 737.5  | 5095  | 22.43 | 22.56 |
|                |  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | Band 30 | 10M | 2355   | 9820  | 23.48 | 23.72 |
| CA_5A-30A-66A  |  | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | Band 30 | 10M | 2355   | 9820  | 23.45 | 23.72 |
|                |  | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | Band 29 | 10M | 722.5  | 9715  | 22.53 | 22.56 |
|                |  | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 30 | 10M | 2355   | 9820  | Band 66 | 20M | 2155   | 66886 | 22.23 | 22.45 |
|                |  | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 5  | 10M | 881.5  | 2525  | 22.47 | 22.56 |
| CA_12A-30A-66A |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | Band 30 | 10M | 2355   | 9820  | 23.64 | 23.73 |
|                |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | Band 30 | 10M | 2355   | 9820  | 23.61 | 23.73 |
|                |  | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 30 | 10M | 2355   | 9820  | Band 66 | 20M | 2155   | 66886 | 22.86 | 23.01 |
|                |  | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 12 | 10M | 737.5  | 5095  | 22.39 | 22.56 |
|                |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 30 | 10M | 2355   | 9820  | 23.6  | 23.73 |
|                |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 30 | 10M | 2355   | 9820  | 23.57 | 23.73 |

| Configure  |             | PCC             |       |             |         |      |     |           | SCC1   |       |             |         | SCC2   |       |             |         | Power           |                 |
|------------|-------------|-----------------|-------|-------------|---------|------|-----|-----------|--------|-------|-------------|---------|--------|-------|-------------|---------|-----------------|-----------------|
|            |             | LTE             | BW    | UL          | UL      | Mod. | UL# | UL        | LTE    | BW    | DL          | DL      | LTE    | BW    | DL          | DL      | With CA         | Without CA      |
|            |             | Band            | (MHz) | Freq. (MHz) | Channel |      | RB  | RB Offset | Band   | (MHz) | Freq. (MHz) | Channel | Band   | (MHz) | Freq. (MHz) | Channel | Tx. Power (dBm) | Tx. Power (dBm) |
| Inter-Band | CA_2A-2A-4A | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2 | 5M    | 1987.5      | 1175    | Band 4 | 20M   | 2132.5      | 2175    | 23.26           | 23.31           |
|            |             | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2 | 5M    | 1987.5      | 1175    | Band 4 | 20M   | 2132.5      | 2175    | 23.22           | 23.31           |
|            |             | Band 4          | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 2 | 20M   | 1960        | 900     | Band 2 | 5M    | 1987.5      | 1175    | 23.47           | 23.72           |
|            |             | Band 4(4*4MIMO) | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 2 | 20M   | 1960        | 900     | Band 2 | 5M    | 1987.5      | 1175    | 23.43           | 23.72           |
|            | CA_2A-4A-4A | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4 | 20M   | 2132.5      | 2175    | Band 4 | 5M    | 2152.5      | 2375    | 23.21           | 23.31           |
|            |             | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4 | 20M   | 2132.5      | 2175    | Band 4 | 5M    | 2152.5      | 2375    | 23.2            | 23.31           |
|            |             | Band 4          | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 4 | 5M    | 2152.5      | 2375    | Band 2 | 20M   | 1960        | 900     | 23.49           | 23.72           |
|            |             |                 |       |             |         |      |     |           |        |       |             |         |        |       |             |         |                 |                 |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

|               |                  |     |        |        |      |   |    |         |     |        |       |         |     |        |       |       |       |
|---------------|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|---------|-----|--------|-------|-------|-------|
| CA_2A-2A-5A   | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 2  | 20M | 1960   | 900   | 23.44 | 23.72 |
|               | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 5  | 10M | 881.5  | 2525  | 23.28 | 23.31 |
|               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 5  | 10M | 881.5  | 2525  | 23.24 | 23.31 |
|               | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 22.29 | 22.45 |
| CA_2A-7A-7A   | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | Band 7  | 5M  | 2687.5 | 3425  | 23.29 | 23.31 |
|               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | Band 7  | 5M  | 2687.5 | 3425  | 23.26 | 23.31 |
|               | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | Band 2  | 20M | 1960   | 900   | 22.94 | 23.25 |
|               | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | Band 2  | 20M | 1960   | 900   | 22.91 | 23.25 |
| CA_2A-46C     | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 23.23 | 23.31 |
|               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 23.2  | 23.31 |
| CA_2A-2A-12A  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 12 | 10M | 737.5  | 5095  | 23.27 | 23.31 |
|               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 12 | 10M | 737.5  | 5095  | 23.24 | 23.31 |
|               | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 22.85 | 23.01 |
| CA_2C-66A     | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1979.8 | 1098  | Band 66 | 20M | 2155   | 66886 | 23.24 | 23.31 |
|               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1979.8 | 1098  | Band 66 | 20M | 2155   | 66886 | 23.22 | 23.31 |
|               | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 20M | 1979.8 | 1098  | 23.61 | 23.73 |
|               | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 20M | 1979.8 | 1098  | 23.58 | 23.73 |
| CA_2A-2A-13A  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | 23.25 | 23.31 |
|               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | 23.21 | 23.31 |
|               | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 21.89 | 22.06 |
| CA_2A-66C     | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 23.25 | 23.31 |
|               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 23.21 | 23.31 |
|               | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 2  | 20M | 1960   | 900   | 23.57 | 23.73 |
|               | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 2  | 20M | 1960   | 900   | 23.53 | 23.73 |
| CA_2A-2A-66A  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | 23.21 | 23.31 |
|               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | 23.18 | 23.31 |
|               | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 23.59 | 23.73 |
|               | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 23.49 | 23.73 |
| CA_2A-2A-71A  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 71 | 20M | 637    | 68786 | 23.17 | 23.31 |
|               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 71 | 20M | 637    | 68786 | 23.15 | 23.31 |
|               | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 23.23 | 23.43 |
| CA_2A-66A-66A | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 23.26 | 23.31 |
|               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 23.21 | 23.31 |
|               | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 2  | 20M | 1960   | 900   | 23.6  | 23.73 |
|               | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 2  | 20M | 1960   | 900   | 23.54 | 23.73 |
| CA_4A-4A-5A   | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 5  | 10M | 881.5  | 2525  | 23.63 | 23.72 |
|               | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 5  | 10M | 881.5  | 2525  | 23.56 | 23.72 |
|               | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 22.13 | 22.45 |
| CA_4A-4A-7A   | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 7  | 20M | 2655   | 3100  | 23.65 | 23.72 |
|               | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 7  | 20M | 2655   | 3100  | 23.61 | 23.72 |
|               | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 22.97 | 23.25 |
|               | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 22.92 | 23.25 |
| CA_4A-7A-7A   | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | Band 7  | 5M  | 2687.5 | 3425  | 23.44 | 23.72 |
|               | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | Band 7  | 5M  | 2687.5 | 3425  | 23.41 | 23.72 |
|               | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | Band 4  | 20M | 2132.5 | 2175  | 22.99 | 23.25 |
|               | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | Band 4  | 20M | 2132.5 | 2175  | 22.95 | 23.25 |
| CA_4A-46C     | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 23.63 | 23.72 |
|               | Band             | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 23.57 | 23.72 |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

|            |                |            |                  |     |        |        |      |   |    |         |     |        |       |         |     |        |       |       |       |
|------------|----------------|------------|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|---------|-----|--------|-------|-------|-------|
|            |                |            | 4(4*4MIMO)       |     |        |        |      |   |    |         |     |        |       |         |     |        |       |       |       |
|            | CA_4A-4A-12A   |            | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 12 | 10M | 737.5  | 5095  | 23.59 | 23.72 |
|            |                |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 12 | 10M | 737.5  | 5095  | 23.55 | 23.72 |
|            |                |            | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 22.93 | 23.01 |
|            | CA_4A-4A-71A   |            | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 71 | 20M | 637    | 68786 | 23.63 | 23.72 |
|            |                |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 71 | 20M | 637    | 68786 | 23.6  | 23.72 |
|            |                |            | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 23.21 | 23.43 |
|            | CA_4A-4A-13A   |            | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 13 | 10M | 751    | 5230  | 23.58 | 23.72 |
|            |                |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 13 | 10M | 751    | 5230  | 23.54 | 23.72 |
|            |                |            | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 21.97 | 22.06 |
|            | CA_4A-46A-46A  |            | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 23.64 | 23.72 |
|            |                |            | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 23.61 | 23.72 |
|            | CA_2A-46A-46A  |            | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 23.22 | 23.31 |
|            |                |            | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 23.18 | 23.31 |
|            | CA_66A-46A-46A |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 23.66 | 23.73 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 23.62 | 23.73 |
|            | CA_5A-66C      |            | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 22.3  | 22.45 |
|            |                |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 5  | 10M | 881.5  | 2525  | 23.64 | 23.73 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 5  | 10M | 881.5  | 2525  | 23.62 | 23.73 |
|            | CA_12A-66A-66A |            | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 22.89 | 23.01 |
|            |                |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 12 | 10M | 737.5  | 5095  | 23.65 | 23.73 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 12 | 10M | 737.5  | 5095  | 23.58 | 23.73 |
|            | CA_12A-66C     |            | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 22.89 | 23.01 |
|            |                |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 12 | 10M | 737.5  | 5095  | 23.64 | 23.73 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 12 | 10M | 737.5  | 5095  | 23.61 | 23.73 |
|            | CA_13A-66A-66A |            | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 21.96 | 22.06 |
|            |                |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 13 | 10M | 751    | 5230  | 23.61 | 23.73 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 13 | 10M | 751    | 5230  | 23.57 | 23.73 |
|            | CA_66A-66A-71A |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 71 | 20M | 637    | 68786 | 23.59 | 23.73 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 71 | 20M | 637    | 68786 | 23.55 | 23.73 |
|            |                |            | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 23.37 | 23.43 |
|            | CA_66A-46C     |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 23.58 | 23.73 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 23.56 | 23.73 |
|            | CA_66C-71A     |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 71 | 20M | 637    | 68786 | 23.6  | 23.73 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 71 | 20M | 637    | 68786 | 23.59 | 23.73 |
|            |                |            | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 23.25 | 23.43 |
|            | CA_66A-66C     |            | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 23.57 | 23.73 |
|            |                |            | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 23.56 | 23.73 |
| Intra-Band | Contiguous     | CA_41D     | Band 41          | 20M | 2680   | 41490  | QPSK | 1 | 49 | Band 41 | 20M | 2660.2 | 41292 | Band 41 | 20M | 2640.4 | 41094 | 22.88 | 23.29 |
|            | Non-Contiguous | CA_41A-41C | Band 41          | 20M | 2680   | 41490  | QPSK | 1 | 49 | Band 41 | 20M | 2660.2 | 41292 | Band 41 | 5M  | 2687.5 | 41565 | 22.83 | 23.29 |



&lt;Reduced power mode 1 for At-Head&gt;

&lt;UAT&gt;

| Configure  |               | PCC             |       |             |         |      |     |           | SCC1    |       |             |         | SCC2    |       |             |         | Power           |                 |
|------------|---------------|-----------------|-------|-------------|---------|------|-----|-----------|---------|-------|-------------|---------|---------|-------|-------------|---------|-----------------|-----------------|
|            |               | LTE             | BW    | UL          | UL      | Mod. | UL# | UL        | LTE     | BW    | DL          | DL      | LTE     | BW    | DL          | DL      | With CA         | Without CA      |
|            |               | Band            | (MHz) | Freq. (MHz) | Channel |      | RB  | RB Offset | Band    | (MHz) | Freq. (MHz) | Channel | Band    | (MHz) | Freq. (MHz) | Channel | Tx. Power (dBm) | Tx. Power (dBm) |
|            |               |                 |       |             |         |      |     |           |         |       |             |         |         |       |             |         |                 |                 |
| Inter-Band | CA_2A-4A-7A   | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 7  | 20M   | 2655        | 3100    | 16.91           | 16.92           |
|            |               | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 7  | 20M   | 2655        | 3100    | 16.85           | 16.92           |
|            |               | Band 4          | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 7  | 20M   | 2655        | 3100    | Band 2  | 20M   | 1960        | 900     | 17.75           | 17.95           |
|            |               | Band 4(4*4MIMO) | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 7  | 20M   | 2655        | 3100    | Band 2  | 20M   | 1960        | 900     | 17.62           | 17.95           |
|            |               | Band 7          | 20M   | 2560        | 21350   | QPSK | 1   | 99        | Band 2  | 20M   | 1960        | 900     | Band 4  | 20M   | 2132.5      | 2175    | 17.62           | 17.7            |
|            |               | Band 7(4*4MIMO) | 20M   | 2560        | 21350   | QPSK | 1   | 99        | Band 2  | 20M   | 1960        | 900     | Band 4  | 20M   | 2132.5      | 2175    | 17.59           | 17.7            |
|            | CA_2A-4A-29A  | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 29 | 10M   | 722.5       | 9715    | 16.72           | 16.92           |
|            |               | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 29 | 10M   | 722.5       | 9715    | 16.65           | 16.92           |
|            |               | Band 4          | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 29 | 10M   | 722.5       | 9715    | Band 2  | 20M   | 1960        | 900     | 17.77           | 17.95           |
|            |               | Band 4(4*4MIMO) | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 29 | 10M   | 722.5       | 9715    | Band 2  | 20M   | 1960        | 900     | 17.71           | 17.95           |
|            | CA_4A-29A-30A | Band 4          | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 29 | 10M   | 722.5       | 9715    | Band 30 | 10M   | 2355        | 9820    | 17.91           | 17.95           |
|            |               | Band 4(4*4MIMO) | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 29 | 10M   | 722.5       | 9715    | Band 30 | 10M   | 2355        | 9820    | 17.85           | 17.95           |
|            |               | Band 30         | 10M   | 2310        | 27710   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 29 | 10M   | 722.5       | 9715    | 19.18           | 19.21           |

| Configure  |             | PCC              |       |             |         |      |     |           | SCC1    |       |             |         | SCC2    |       |             |         | Power           |                 |
|------------|-------------|------------------|-------|-------------|---------|------|-----|-----------|---------|-------|-------------|---------|---------|-------|-------------|---------|-----------------|-----------------|
|            |             | LTE              | BW    | UL          | UL      | Mod. | UL# | UL        | LTE     | BW    | DL          | DL      | LTE     | BW    | DL          | DL      | With CA         | Without CA      |
|            |             | Band             | (MHz) | Freq. (MHz) | Channel |      | RB  | RB Offset | Band    | (MHz) | Freq. (MHz) | Channel | Band    | (MHz) | Freq. (MHz) | Channel | Tx. Power (dBm) | Tx. Power (dBm) |
|            |             |                  |       |             |         |      |     |           |         |       |             |         |         |       |             |         |                 |                 |
| Inter-Band | CA_2A-2A-4A | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5      | 1175    | Band 4  | 20M   | 2132.5      | 2175    | 16.92           | 16.92           |
|            |             | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5      | 1175    | Band 4  | 20M   | 2132.5      | 2175    | 16.87           | 16.92           |
|            |             | Band 4           | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 2  | 5M    | 1987.5      | 1175    | 17.82           | 17.95           |
|            |             | Band 4(4*4MIMO)  | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 2  | 5M    | 1987.5      | 1175    | 17.76           | 17.95           |
|            | CA_2A-4A-4A | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 4  | 5M    | 2152.5      | 2375    | 16.9            | 16.92           |
|            |             | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 4  | 5M    | 2152.5      | 2375    | 16.85           | 16.92           |
|            |             | Band 4           | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 4  | 5M    | 2152.5      | 2375    | Band 2  | 20M   | 1960        | 900     | 17.91           | 17.95           |
|            |             | Band 4(4*4MIMO)  | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 4  | 5M    | 2152.5      | 2375    | Band 2  | 20M   | 1960        | 900     | 17.88           | 17.95           |
|            | CA_2A-7A-7A | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 7  | 20M   | 2655        | 3100    | Band 7  | 5M    | 2687.5      | 3425    | 16.75           | 16.92           |
|            |             | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 7  | 20M   | 2655        | 3100    | Band 7  | 5M    | 2687.5      | 3425    | 16.71           | 16.92           |
|            |             | Band 7           | 20M   | 2560        | 21350   | QPSK | 1   | 99        | Band 7  | 5M    | 2622.5      | 2775    | Band 2  | 20M   | 1960        | 900     | 17.58           | 17.7            |
|            |             | Band 7(4*4MIMO)  | 20M   | 2560        | 21350   | QPSK | 1   | 99        | Band 7  | 5M    | 2622.5      | 2775    | Band 2  | 20M   | 1960        | 900     | 17.52           | 17.7            |
|            | CA_2A-46C   | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5540.2      | 50692   | Band 46 | 20M   | 5560        | 50890   | 16.81           | 16.92           |
|            |             | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5540.2      | 50692   | Band 46 | 20M   | 5560        | 50890   | 16.75           | 16.92           |
|            | CA_2C-66A   | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 20M   | 1979.8      | 1098    | Band 66 | 20M   | 2155        | 66886   | 16.74           | 16.92           |
|            |             | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 20M   | 1979.8      | 1098    | Band 66 | 20M   | 2155        | 66886   | 16.69           | 16.92           |
|            |             | Band 66          | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 2  | 20M   | 1979.8      | 1098    | 17.84           | 17.91           |
|            |             | Band 66(4*4MIMO) | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 2  | 20M   | 1979.8      | 1098    | 17.81           | 17.91           |
|            | CA_2A-66C   | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 66 | 20M   | 2155        | 66886   | Band 66 | 20M   | 2174.8      | 67084   | 16.83           | 16.92           |
|            |             | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 66 | 20M   | 2155        | 66886   | Band 66 | 20M   | 2174.8      | 67084   | 16.76           | 16.92           |
|            |             | Band 66          | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 66 | 20M   | 2174.8      | 67084   | Band 2  | 20M   | 1960        | 900     | 17.72           | 17.91           |
|            |             | Band 66(4*4MIMO) | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 66 | 20M   | 2174.8      | 67084   | Band 2  | 20M   | 1960        | 900     | 17.68           | 17.91           |
|            | CA_2A-48C   | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 48 | 20M   | 3615.1      | 55891   | Band 48 | 20M   | 3634.9      | 56089   | 16.84           | 16.92           |
|            |             | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 48 | 20M   | 3615.1      | 55891   | Band 48 | 20M   | 3634.9      | 56089   | 16.79           | 16.92           |
|            |             | Band 48          | 20M   | 3609        | 55830   | QPSK | 1   | 0         | Band 48 | 20M   | 3634.9      | 56089   | Band 2  | 20M   | 1960        | 900     | 17.84           | 17.91           |



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|                |                |            |                  |         |        |        |       |      |    |         |         |        |        |         |         |        |        |       |       |
|----------------|----------------|------------|------------------|---------|--------|--------|-------|------|----|---------|---------|--------|--------|---------|---------|--------|--------|-------|-------|
|                | CA_2A-2A-66A   |            | Band 2           | 20M     | 1880   | 18900  | QPSK  | 1    | 0  | Band 2  | 5M      | 1987.5 | 1175   | Band 66 | 20M     | 2155   | 66886  | 16.91 | 16.92 |
|                |                |            | Band 2(4*4MIMO)  | 20M     | 1880   | 18900  | QPSK  | 1    | 0  | Band 2  | 5M      | 1987.5 | 1175   | Band 66 | 20M     | 2155   | 66886  | 16.85 | 16.92 |
|                |                |            | Band 66          | 20M     | 1745   | 132322 | QPSK  | 1    | 0  | Band 2  | 20M     | 1960   | 900    | Band 2  | 5M      | 1987.5 | 1175   | 17.83 | 17.91 |
|                |                |            | Band 66(4*4MIMO) | 20M     | 1745   | 132322 | QPSK  | 1    | 0  | Band 2  | 20M     | 1960   | 900    | Band 2  | 5M      | 1987.5 | 1175   | 17.79 | 17.91 |
|                | CA_2A-66A-66A  |            | Band 2           | 20M     | 1880   | 18900  | QPSK  | 1    | 0  | Band 66 | 20M     | 2155   | 66886  | Band 66 | 5M      | 2197.5 | 67311  | 16.76 | 16.92 |
|                |                |            | Band 2(4*4MIMO)  | 20M     | 1880   | 18900  | QPSK  | 1    | 0  | Band 66 | 20M     | 2155   | 66886  | Band 66 | 5M      | 2197.5 | 67311  | 16.72 | 16.92 |
|                |                |            | Band 66          | 20M     | 1745   | 132322 | QPSK  | 1    | 0  | Band 66 | 5M      | 2197.5 | 67311  | Band 2  | 20M     | 1960   | 900    | 17.78 | 17.91 |
|                |                |            | Band 66(4*4MIMO) | 20M     | 1745   | 132322 | QPSK  | 1    | 0  | Band 66 | 5M      | 2197.5 | 67311  | Band 2  | 20M     | 1960   | 900    | 17.76 | 17.91 |
|                | CA_2A-48A-48A  |            | Band 2           | 20M     | 1880   | 18900  | QPSK  | 1    | 0  | Band 48 | 20M     | 3560   | 55340  | Band 48 | 20M     | 3690   | 56640  | 16.81 | 16.92 |
|                |                |            | Band 2(4*4MIMO)  | 20M     | 1880   | 18900  | QPSK  | 1    | 0  | Band 48 | 20M     | 3560   | 55340  | Band 48 | 20M     | 3690   | 56640  | 16.75 | 16.92 |
|                |                |            | Band 48          | 20M     | 3609   | 55830  | QPSK  | 1    | 0  | Band 48 | 20M     | 3690   | 56640  | Band 2  | 20M     | 1960   | 900    | 16.93 | 16.94 |
|                | CA_2A-48A-66A  |            | Band 2           | 20M     | 1880   | 18900  | QPSK  | 1    | 0  | Band 48 | 20M     | 3560   | 55340  | Band 66 | 5M      | 2197.5 | 67311  | 16.87 | 16.92 |
|                |                |            | Band 2(4*4MIMO)  | 20M     | 1880   | 18900  | QPSK  | 1    | 0  | Band 48 | 20M     | 3560   | 55340  | Band 66 | 5M      | 2197.5 | 67311  | 16.82 | 16.92 |
|                |                |            | Band 66          | 20M     | 1745   | 132322 | QPSK  | 1    | 0  | Band 48 | 20M     | 3690   | 56640  | Band 2  | 20M     | 1960   | 900    | 17.88 | 17.91 |
|                |                |            | Band 66(4*4MIMO) | 20M     | 1745   | 132322 | QPSK  | 1    | 0  | Band 48 | 20M     | 3690   | 56640  | Band 2  | 20M     | 1960   | 900    | 17.84 | 17.91 |
|                |                |            | Band 48          | 20M     | 3609   | 55830  | QPSK  | 1    | 0  | Band 2  | 20M     | 1960   | 900    | Band 66 | 5M      | 2197.5 | 67311  | 16.86 | 16.94 |
|                | CA_4A-4A-7A    |            | Band 4           | 20M     | 1732.5 | 20175  | QPSK  | 1    | 0  | Band 4  | 5M      | 2152.5 | 2375   | Band 7  | 20M     | 2655   | 3100   | 17.92 | 17.95 |
|                |                |            | Band 4(4*4MIMO)  | 20M     | 1732.5 | 20175  | QPSK  | 1    | 0  | Band 4  | 5M      | 2152.5 | 2375   | Band 7  | 20M     | 2655   | 3100   | 17.88 | 17.95 |
|                |                |            | Band 7           | 20M     | 2560   | 21350  | QPSK  | 1    | 99 | Band 4  | 20M     | 2132.5 | 2175   | Band 4  | 5M      | 2152.5 | 2375   | 17.58 | 17.7  |
|                |                |            | Band 7(4*4MIMO)  | 20M     | 2560   | 21350  | QPSK  | 1    | 99 | Band 4  | 20M     | 2132.5 | 2175   | Band 4  | 5M      | 2152.5 | 2375   | 17.56 | 17.7  |
|                | CA_4A-7A-7A    |            | Band 4           | 20M     | 1732.5 | 20175  | QPSK  | 1    | 0  | Band 7  | 20M     | 2655   | 3100   | Band 7  | 5M      | 2687.5 | 3425   | 17.81 | 17.95 |
|                |                |            | Band 4(4*4MIMO)  | 20M     | 1732.5 | 20175  | QPSK  | 1    | 0  | Band 7  | 20M     | 2655   | 3100   | Band 7  | 5M      | 2687.5 | 3425   | 17.74 | 17.95 |
|                |                |            | Band 7           | 20M     | 2560   | 21350  | QPSK  | 1    | 99 | Band 7  | 5M      | 2622.5 | 2775   | Band 4  | 20M     | 2132.5 | 2175   | 17.65 | 17.7  |
|                |                |            | Band 7(4*4MIMO)  | 20M     | 2560   | 21350  | QPSK  | 1    | 99 | Band 7  | 5M      | 2622.5 | 2775   | Band 4  | 20M     | 2132.5 | 2175   | 17.61 | 17.7  |
|                | CA_4A-46C      |            | Band 4           | 20M     | 1732.5 | 20175  | QPSK  | 1    | 0  | Band 46 | 20M     | 5540.2 | 50692  | Band 46 | 20M     | 5560   | 50890  | 17.84 | 17.95 |
|                |                |            | Band 4(4*4MIMO)  | 20M     | 1732.5 | 20175  | QPSK  | 1    | 0  | Band 46 | 20M     | 5540.2 | 50692  | Band 46 | 20M     | 5560   | 50890  | 17.77 | 17.95 |
|                | CA_4A-46A-46A  |            | Band 4           | 20M     | 1732.5 | 20175  | QPSK  | 1    | 0  | Band 46 | 20M     | 5160   | 46890  | Band 46 | 20M     | 5905   | 54340  | 17.75 | 17.95 |
|                |                |            | Band 4(4*4MIMO)  | 20M     | 1732.5 | 20175  | QPSK  | 1    | 0  | Band 46 | 20M     | 5160   | 46890  | Band 46 | 20M     | 5905   | 54340  | 17.73 | 17.95 |
|                | CA_2A-46A-46A  |            | Band 2           | 20M     | 1880   | 18900  | QPSK  | 1    | 0  | Band 46 | 20M     | 5160   | 46890  | Band 46 | 20M     | 5905   | 54340  | 16.81 | 16.92 |
|                |                |            | Band 2(4*4MIMO)  | 20M     | 1880   | 18900  | QPSK  | 1    | 0  | Band 46 | 20M     | 5160   | 46890  | Band 46 | 20M     | 5905   | 54340  | 16.72 | 16.92 |
|                | CA_66A-46A-46A |            | Band 66          | 20M     | 1745   | 132322 | QPSK  | 1    | 0  | Band 46 | 20M     | 5160   | 46890  | Band 46 | 20M     | 5905   | 54340  | 17.76 | 17.91 |
|                |                |            | Band 66(4*4MIMO) | 20M     | 1745   | 132322 | QPSK  | 1    | 0  | Band 46 | 20M     | 5160   | 46890  | Band 46 | 20M     | 5905   | 54340  | 17.71 | 17.91 |
|                | CA_48A-48A-66A |            | Band 48          | 20M     | 3609   | 55830  | QPSK  | 1    | 0  | Band 48 | 20M     | 3690   | 55640  | Band 66 | 20M     | 2174.8 | 67084  | 16.83 | 16.94 |
|                |                |            | Band 66          | 20M     | 1745   | 132322 | QPSK  | 1    | 0  | Band 48 | 20M     | 3560   | 55340  | Band 48 | 20M     | 3690   | 55640  | 17.73 | 17.91 |
|                |                |            | Band 66(4*4MIMO) | 20M     | 1745   | 132322 | QPSK  | 1    | 0  | Band 48 | 20M     | 3560   | 55340  | Band 48 | 20M     | 3690   | 55640  | 17.69 | 17.91 |
|                | CA_66A-46C     |            | Band 66          | 20M     | 1745   | 132322 | QPSK  | 1    | 0  | Band 46 | 20M     | 5540.2 | 50692  | Band 46 | 20M     | 5560   | 50890  | 17.82 | 17.91 |
|                |                |            | Band 66(4*4MIMO) | 20M     | 1745   | 132322 | QPSK  | 1    | 0  | Band 46 | 20M     | 5540.2 | 50692  | Band 46 | 20M     | 5560   | 50890  | 17.73 | 17.91 |
|                | CA_66A-66C     |            | Band 66          | 20M     | 1745   | 132322 | QPSK  | 1    | 0  | Band 66 | 20M     | 2155   | 66886  | Band 66 | 20M     | 2174.8 | 67084  | 17.83 | 17.91 |
|                |                |            | Band 66(4*4MIMO) | 20M     | 1745   | 132322 | QPSK  | 1    | 0  | Band 66 | 20M     | 2155   | 66886  | Band 66 | 20M     | 2174.8 | 67084  | 17.78 | 17.91 |
|                | CA_48C-66A     |            | Band 48          | 20M     | 3609   | 55830  | QPSK  | 1    | 0  | Band 48 | 20M     | 3628.8 | 56028  | Band 66 | 20M     | 2174.8 | 67084  | 16.93 | 16.94 |
|                |                |            | Band 66          | 20M     | 1745   | 132322 | QPSK  | 1    | 0  | Band 48 | 20M     | 3553.3 | 55273  | Band 48 | 20M     | 3690   | 56640  | 17.82 | 17.91 |
|                |                |            | Band 66(4*4MIMO) | 20M     | 1745   | 132322 | QPSK  | 1    | 0  | Band 48 | 20M     | 3553.3 | 55273  | Band 48 | 20M     | 3690   | 56640  | 17.74 | 17.91 |
|                | CA_48C-48A     |            | Band 48          | 20M     | 3609   | 55830  | QPSK  | 1    | 0  | Band 48 | 20M     | 3628.8 | 56028  | Band 48 | 20M     | 3560   | 55340  | 16.86 | 16.94 |
|                | Intra-         | Contiguous | CA_41D           | Band 41 | 20M    | 2680   | 41490 | QPSK | 1  | 49      | Band 41 | 20M    | 2660.2 | 41292   | Band 41 | 20M    | 2640.4 | 41094 | 19.13 |
| Contiguous     |                | CA_48D     | Band 48          | 20M     | 3609   | 55830  | QPSK  | 1    | 0  | Band 48 | 20M     | 3628.8 | 56028  | Band 48 | 20M     | 3648.6 | 56226  | 16.89 | 16.94 |
| Non-Contiguous |                | CA_41A-41C | Band 41          | 20M     | 2680   | 41490  | QPSK  | 1    | 49 | Band 41 | 20M     | 2660.2 | 41292  | Band 41 | 5M      | 2687.5 | 41565  | 19.21 | 19.22 |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

<Reduced power mode 2 for At-Head with 2.4GHz Wifi>  
<UAT>

| Configure  |               | PCC              |       |                |         |      |     |              | SCC1    |       |                |         | SCC2    |       |                |         | Power              |                    |
|------------|---------------|------------------|-------|----------------|---------|------|-----|--------------|---------|-------|----------------|---------|---------|-------|----------------|---------|--------------------|--------------------|
|            |               | LTE              | BW    | UL             | UL      |      | UL# | UL           | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | With CA            | Without CA         |
|            |               | Band             | (MHz) | Freq.<br>(MHz) | Channel | Mod. | RB  | RB<br>Offset | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |
| Inter-Band | CA_2A-4A-5A   | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 5  | 10M   | 881.5          | 2525    | 17.23              | 17.38              |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 5  | 10M   | 881.5          | 2525    | 17.21              | 17.38              |
|            |               | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 5  | 10M   | 881.5          | 2525    | Band 2  | 20M   | 1960           | 900     | 18.35              | 18.39              |
|            |               | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 5  | 10M   | 881.5          | 2525    | Band 2  | 20M   | 1960           | 900     | 18.32              | 18.39              |
|            |               | Band 5           | 10M   | 836.5          | 20525   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 4  | 20M   | 2132.5         | 2175    | 21.16              | 21.35              |
|            | CA_2A-4A-7A   | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 20M   | 2655           | 3100    | 17.32              | 17.38              |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 20M   | 2655           | 3100    | 17.25              | 17.38              |
|            |               | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 7  | 20M   | 2655           | 3100    | Band 2  | 20M   | 1960           | 900     | 18.24              | 18.39              |
|            |               | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 7  | 20M   | 2655           | 3100    | Band 2  | 20M   | 1960           | 900     | 18.21              | 18.39              |
|            |               | Band 7           | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 2  | 20M   | 1960           | 900     | Band 4  | 20M   | 2132.5         | 2175    | 18.02              | 18.18              |
|            | CA_2A-4A-12A  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 12 | 10M   | 737.5          | 5095    | 17.27              | 17.38              |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 12 | 10M   | 737.5          | 5095    | 17.22              | 17.38              |
|            |               | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 12 | 10M   | 737.5          | 5095    | Band 2  | 20M   | 1960           | 900     | 18.34              | 18.39              |
|            |               | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 12 | 10M   | 737.5          | 5095    | Band 2  | 20M   | 1960           | 900     | 18.29              | 18.39              |
|            |               | Band 12          | 10M   | 707.5          | 23095   | QPSK | 1   | 49           | Band 2  | 20M   | 1960           | 900     | Band 4  | 20M   | 2132.5         | 2175    | 22.66              | 22.77              |
|            | CA_2A-4A-13A  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 13 | 10M   | 751            | 5230    | 17.34              | 17.38              |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 13 | 10M   | 751            | 5230    | 17.28              | 17.38              |
|            |               | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 13 | 10M   | 751            | 5230    | Band 2  | 20M   | 1960           | 900     | 18.19              | 18.39              |
|            |               | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 13 | 10M   | 751            | 5230    | Band 2  | 20M   | 1960           | 900     | 18.16              | 18.39              |
|            |               | Band 13          | 10M   | 782            | 23230   | QPSK | 1   | 25           | Band 2  | 20M   | 1960           | 900     | Band 4  | 20M   | 2132.5         | 2175    | 19.92              | 20.05              |
|            | CA_2A-4A-29A  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 29 | 10M   | 722.5          | 9715    | 17.22              | 17.38              |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 29 | 10M   | 722.5          | 9715    | 17.15              | 17.38              |
|            |               | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 29 | 10M   | 722.5          | 9715    | Band 2  | 20M   | 1960           | 900     | 18.22              | 18.39              |
|            |               | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 29 | 10M   | 722.5          | 9715    | Band 2  | 20M   | 1960           | 900     | 18.2               | 18.39              |
|            | CA_2A-5A-30A  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 5  | 10M   | 881.5          | 2525    | Band 30 | 10M   | 2355           | 9820    | 17.3               | 17.38              |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 5  | 10M   | 881.5          | 2525    | Band 30 | 10M   | 2355           | 9820    | 17.24              | 17.38              |
|            |               | Band 5           | 10M   | 836.5          | 20525   | QPSK | 1   | 0            | Band 30 | 10M   | 2355           | 9820    | Band 2  | 20M   | 1960           | 900     | 21.24              | 21.35              |
|            |               | Band 30          | 10M   | 2310           | 27710   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 5  | 10M   | 881.5          | 2525    | 18.72              | 18.75              |
|            | CA_2A-5A-66A  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 5  | 10M   | 881.5          | 2525    | Band 66 | 20M   | 2155           | 66886   | 17.28              | 17.38              |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 5  | 10M   | 881.5          | 2525    | Band 66 | 20M   | 2155           | 66886   | 17.22              | 17.38              |
|            |               | Band 5           | 10M   | 836.5          | 20525   | QPSK | 1   | 0            | Band 66 | 20M   | 2155           | 66886   | Band 2  | 20M   | 1960           | 900     | 21.25              | 21.35              |
|            |               | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 5  | 10M   | 881.5          | 2525    | 17.77              | 17.91              |
|            | CA_2A-12A-30A | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 5  | 10M   | 881.5          | 2525    | 17.72              | 17.91              |
|            |               | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 12 | 10M   | 737.5          | 5095    | Band 30 | 10M   | 2355           | 9820    | 17.37              | 17.38              |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 12 | 10M   | 737.5          | 5095    | Band 30 | 10M   | 2355           | 9820    | 17.35              | 17.38              |
|            |               | Band 12          | 10M   | 707.5          | 23095   | QPSK | 1   | 49           | Band 30 | 10M   | 2355           | 9820    | Band 2  | 20M   | 1960           | 900     | 22.65              | 22.77              |
|            | CA_2A-12A-66A | Band 30          | 10M   | 2310           | 27710   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 12 | 10M   | 737.5          | 5095    | 18.67              | 18.75              |
|            |               | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 12 | 10M   | 737.5          | 5095    | Band 66 | 20M   | 2155           | 66886   | 17.36              | 17.38              |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 12 | 10M   | 737.5          | 5095    | Band 66 | 20M   | 2155           | 66886   | 17.31              | 17.38              |
|            |               | Band 12          | 10M   | 707.5          | 23095   | QPSK | 1   | 0            | Band 66 | 20M   | 2155           | 66886   | Band 2  | 20M   | 1960           | 900     | 22.62              | 22.77              |
|            | CA_2A-13A-66A | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 12 | 10M   | 737.5          | 5095    | 17.84              | 17.91              |
|            |               | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 12 | 10M   | 737.5          | 5095    | 17.81              | 17.91              |
|            |               | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 13 | 10M   | 751            | 5230    | Band 66 | 20M   | 2155           | 66886   | 17.28              | 17.38              |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

|  |                |                  |     |        |        |      |   |    |         |     |        |       |         |     |        |       |       |       |
|--|----------------|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|---------|-----|--------|-------|-------|-------|
|  |                | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2155   | 66886 | 17.34 | 17.38 |
|  |                | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 2  | 20M | 2155   | 66886 | Band 2  | 20M | 1960   | 900   | 20.03 | 20.05 |
|  |                | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 13 | 10M | 751    | 5230  | 17.87 | 17.91 |
|  |                | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 13 | 10M | 751    | 5230  | 17.85 | 17.91 |
|  | CA_4A-5A-30A   | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | Band 30 | 10M | 2355   | 9820  | 18.33 | 18.39 |
|  |                | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | Band 30 | 10M | 2355   | 9820  | 18.28 | 18.39 |
|  |                | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 30 | 10M | 2355   | 9820  | Band 4  | 20M | 2132.5 | 2175  | 21.24 | 21.35 |
|  |                | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | Band 5  | 10M | 881.5  | 2525  | 18.65 | 18.75 |
|  | CA_4A-7A-12A   | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | Band 12 | 10M | 737.5  | 5095  | 18.32 | 18.39 |
|  |                | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | Band 12 | 10M | 737.5  | 5095  | 18.29 | 18.39 |
|  |                | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 12 | 10M | 737.5  | 5095  | Band 4  | 20M | 2132.5 | 2175  | 18.03 | 18.18 |
|  |                | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 12 | 10M | 737.5  | 5095  | Band 4  | 20M | 2132.5 | 2175  | 17.96 | 18.18 |
|  | CA_4A-12A-30A  | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 4  | 20M | 2132.5 | 2175  | Band 7  | 20M | 2655   | 3100  | 22.59 | 22.77 |
|  |                | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 30 | 10M | 2355   | 9820  | 18.19 | 18.39 |
|  |                | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 30 | 10M | 2355   | 9820  | 18.12 | 18.39 |
|  |                | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 0  | Band 30 | 10M | 2355   | 9820  | Band 4  | 20M | 2132.5 | 2175  | 22.69 | 22.77 |
|  | CA_4A-29A-30A  | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | Band 12 | 10M | 737.5  | 5095  | 18.74 | 18.75 |
|  |                | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | Band 30 | 10M | 2355   | 9820  | 18.34 | 18.39 |
|  |                | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 29 | 10M | 722.5  | 9715  | Band 30 | 10M | 2355   | 9820  | 18.32 | 18.39 |
|  | CA_5A-30A-66A  | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | Band 29 | 10M | 722.5  | 9715  | 18.56 | 18.75 |
|  |                | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 30 | 10M | 2355   | 9820  | Band 66 | 20M | 2155   | 66886 | 21.31 | 21.35 |
|  |                | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 5  | 10M | 881.5  | 2525  | 18.67 | 18.75 |
|  |                | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | Band 30 | 10M | 2355   | 9820  | 17.77 | 17.91 |
|  | CA_12A-30A-66A | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | Band 30 | 10M | 2355   | 9820  | 17.74 | 17.91 |
|  |                | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 30 | 10M | 2355   | 9820  | Band 66 | 20M | 2155   | 66886 | 22.71 | 22.77 |
|  |                | Band 30          | 10M | 2310   | 27710  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 12 | 10M | 737.5  | 5095  | 18.67 | 18.75 |
|  |                | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 30 | 10M | 2355   | 9820  | 17.78 | 17.91 |
|  |                | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 30 | 10M | 2355   | 9820  | 17.73 | 17.91 |

| Configure  |              | PCC             |       |             |         |      |     |           | SCC1    |       |             |         | SCC2    |       |             |         | Power           |                 |
|------------|--------------|-----------------|-------|-------------|---------|------|-----|-----------|---------|-------|-------------|---------|---------|-------|-------------|---------|-----------------|-----------------|
|            |              | LTE             | BW    | UL          | UL      |      | UL# | UL        | LTE     | BW    | DL          | DL      | LTE     | BW    | DL          | DL      | With CA         | Without CA      |
|            |              | Band            | (MHz) | Freq. (MHz) | Channel | Mod. | RB  | RB Offset | Band    | (MHz) | Freq. (MHz) | Channel | Band    | (MHz) | Freq. (MHz) | Channel | Tx. Power (dBm) | Tx. Power (dBm) |
| Inter-Band | CA_2A-2A-4A  | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5      | 1175    | Band 4  | 20M   | 2132.5      | 2175    | 17.23           | 17.38           |
|            |              | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5      | 1175    | Band 4  | 20M   | 2132.5      | 2175    | 17.21           | 17.38           |
|            |              | Band 4          | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 2  | 5M    | 1987.5      | 1175    | 18.37           | 18.39           |
|            |              | Band 4(4*4MIMO) | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 2  | 5M    | 1987.5      | 1175    | 18.35           | 18.39           |
|            | CA_2A-4A-4A  | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 4  | 5M    | 2152.5      | 2375    | 17.37           | 17.38           |
|            |              | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 4  | 5M    | 2152.5      | 2375    | 17.34           | 17.38           |
|            |              | Band 4          | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 4  | 5M    | 2152.5      | 2375    | Band 2  | 20M   | 1960        | 900     | 18.21           | 18.39           |
|            |              | Band 4(4*4MIMO) | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 4  | 5M    | 2152.5      | 2375    | Band 2  | 20M   | 1960        | 900     | 18.15           | 18.39           |
|            | CA_2A-2A-5A  | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5      | 1175    | Band 5  | 10M   | 881.5       | 2525    | 17.26           | 17.38           |
|            |              | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5      | 1175    | Band 5  | 10M   | 881.5       | 2525    | 17.22           | 17.38           |
|            |              | Band 5          | 10M   | 836.5       | 20525   | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 2  | 5M    | 1987.5      | 1175    | 21.2            | 21.35           |
|            | CA_2A-7A-7A  | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 7  | 20M   | 2655        | 3100    | Band 7  | 5M    | 2687.5      | 3425    | 17.37           | 17.38           |
|            |              | Band 7          | 20M   | 2560        | 21350   | QPSK | 1   | 99        | Band 7  | 5M    | 2622.5      | 2775    | Band 2  | 20M   | 1960        | 900     | 18.05           | 18.18           |
|            |              | Band 7(4*4MIMO) | 20M   | 2560        | 21350   | QPSK | 1   | 99        | Band 7  | 5M    | 2622.5      | 2775    | Band 2  | 20M   | 1960        | 900     | 18.01           | 18.18           |
|            | CA_2A-46C    | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5540.2      | 50692   | Band 46 | 20M   | 5560        | 50890   | 17.26           | 17.38           |
|            |              | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5540.2      | 50692   | Band 46 | 20M   | 5560        | 50890   | 17.24           | 17.38           |
|            | CA_2A-2A-12A | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5      | 1175    | Band 12 | 10M   | 737.5       | 5095    | 17.32           | 17.38           |



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|               |  |                  |     |        |        |      |   |    |         |     |        |       |         |     |        |       |       |       |
|---------------|--|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|---------|-----|--------|-------|-------|-------|
|               |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 12 | 10M | 737.5  | 5095  | 17.26 | 17.38 |
|               |  | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 22.65 | 22.77 |
| CA_2C-66A     |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1979.8 | 1098  | Band 66 | 20M | 2155   | 66886 | 17.2  | 17.38 |
|               |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1979.8 | 1098  | Band 66 | 20M | 2155   | 66886 | 17.16 | 17.38 |
|               |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 20M | 1979.8 | 1098  | 17.79 | 17.91 |
|               |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 20M | 1979.8 | 1098  | 17.73 | 17.91 |
| CA_2A-2A-13A  |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | 17.22 | 17.38 |
|               |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | 17.2  | 17.38 |
|               |  | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 20.04 | 20.05 |
| CA_2A-66C     |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 17.33 | 17.38 |
|               |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 17.31 | 17.38 |
|               |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 2  | 20M | 1960   | 900   | 17.74 | 17.91 |
|               |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 2  | 20M | 1960   | 900   | 17.71 | 17.91 |
| CA_2A-48C     |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 48 | 20M | 3615.1 | 55891 | Band 48 | 20M | 3634.9 | 56089 | 17.26 | 17.38 |
|               |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 48 | 20M | 3615.1 | 55891 | Band 48 | 20M | 3634.9 | 56089 | 17.23 | 17.38 |
|               |  | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 48 | 20M | 3634.9 | 56089 | Band 2  | 20M | 1960   | 900   | 16.79 | 16.94 |
| CA_2A-2A-66A  |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | 17.25 | 17.38 |
|               |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | 17.22 | 17.38 |
|               |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 17.77 | 17.91 |
|               |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 17.75 | 17.91 |
| CA_2A-66A-66A |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 17.21 | 17.38 |
|               |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 17.15 | 17.38 |
|               |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 2  | 20M | 1960   | 900   | 17.76 | 17.91 |
|               |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 2  | 20M | 1960   | 900   | 17.73 | 17.91 |
| CA_2A-48A-48A |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 48 | 20M | 3560   | 55340 | Band 48 | 20M | 3690   | 56640 | 17.31 | 17.38 |
|               |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 48 | 20M | 3560   | 55340 | Band 48 | 20M | 3690   | 56640 | 17.22 | 17.38 |
|               |  | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 56640 | Band 2  | 20M | 1960   | 900   | 16.79 | 16.94 |
| CA_2A-48A-66A |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 48 | 20M | 3560   | 55340 | Band 66 | 5M  | 2197.5 | 67311 | 17.23 | 17.38 |
|               |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 48 | 20M | 3560   | 55340 | Band 66 | 5M  | 2197.5 | 67311 | 17.16 | 17.38 |
|               |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 56640 | Band 2  | 20M | 1960   | 900   | 17.76 | 17.91 |
|               |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 56640 | Band 2  | 20M | 1960   | 900   | 17.74 | 17.91 |
|               |  | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 66 | 5M  | 2197.5 | 67311 | 16.92 | 16.94 |
| CA_4A-4A-5A   |  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 5  | 10M | 881.5  | 2525  | 18.2  | 18.39 |
|               |  | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 5  | 10M | 881.5  | 2525  | 18.13 | 18.39 |
|               |  | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 21.2  | 21.35 |
| CA_4A-4A-7A   |  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 7  | 20M | 2655   | 3100  | 18.22 | 18.39 |
|               |  | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 7  | 20M | 2655   | 3100  | 18.16 | 18.39 |
|               |  | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 17.99 | 18.18 |
| CA_4A-7A-7A   |  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | Band 7  | 5M  | 2687.5 | 3425  | 18.31 | 18.39 |
|               |  | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | Band 7  | 5M  | 2687.5 | 3425  | 18.24 | 18.39 |
|               |  | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | Band 4  | 20M | 2132.5 | 2175  | 18.03 | 18.18 |
|               |  | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | Band 4  | 20M | 2132.5 | 2175  | 17.98 | 18.18 |
| CA_4A-46C     |  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 18.22 | 18.39 |
|               |  | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 18.21 | 18.39 |
| CA_4A-4A-12A  |  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 12 | 10M | 737.5  | 5095  | 18.2  | 18.39 |
|               |  | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 12 | 10M | 737.5  | 5095  | 18.12 | 18.39 |
|               |  | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 22.68 | 22.77 |
| CA_4A-4A-13A  |  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 13 | 10M | 751    | 5230  | 18.38 | 18.39 |

|            |                |            |                 |                  |        |        |        |      |    |         |         |        |        |         |         |        |        |       |       |       |
|------------|----------------|------------|-----------------|------------------|--------|--------|--------|------|----|---------|---------|--------|--------|---------|---------|--------|--------|-------|-------|-------|
|            |                |            | Band 4(4*4MIMO) | 20M              | 1732.5 | 20175  | QPSK   | 1    | 0  | Band 4  | 5M      | 2152.5 | 2375   | Band 13 | 10M     | 751    | 5230   | 18.31 | 18.39 |       |
|            |                |            | Band 13         | 10M              | 782    | 23230  | QPSK   | 1    | 25 | Band 4  | 20M     | 2132.5 | 2175   | Band 4  | 5M      | 2152.5 | 2375   | 20    | 20.05 |       |
|            | CA_4A-46A-46A  |            |                 | Band 4           | 20M    | 1732.5 | 20175  | QPSK | 1  | 0       | Band 46 | 20M    | 5160   | 46890   | Band 46 | 20M    | 5905   | 54340 | 18.37 | 18.39 |
|            |                |            |                 | Band 4(4*4MIMO)  | 20M    | 1732.5 | 20175  | QPSK | 1  | 0       | Band 46 | 20M    | 5160   | 46890   | Band 46 | 20M    | 5905   | 54340 | 18.28 | 18.39 |
|            | CA_2A-46A-46A  |            |                 | Band 2           | 20M    | 1880   | 18900  | QPSK | 1  | 0       | Band 46 | 20M    | 5160   | 46890   | Band 46 | 20M    | 5905   | 54340 | 17.28 | 17.38 |
|            |                |            |                 | Band 2(4*4MIMO)  | 20M    | 1880   | 18900  | QPSK | 1  | 0       | Band 46 | 20M    | 5160   | 46890   | Band 46 | 20M    | 5905   | 54340 | 17.21 | 17.38 |
|            | CA_66A-46A-46A |            |                 | Band 66          | 20M    | 1745   | 132322 | QPSK | 1  | 0       | Band 46 | 20M    | 5160   | 46890   | Band 46 | 20M    | 5905   | 54340 | 17.74 | 17.91 |
|            |                |            |                 | Band 66(4*4MIMO) | 20M    | 1745   | 132322 | QPSK | 1  | 0       | Band 46 | 20M    | 5160   | 46890   | Band 46 | 20M    | 5905   | 54340 | 17.72 | 17.91 |
|            | CA_48A-48A-66A |            |                 | Band 48          | 20M    | 3609   | 55830  | QPSK | 1  | 0       | Band 48 | 20M    | 3690   | 55640   | Band 66 | 20M    | 2174.8 | 67084 | 16.85 | 16.94 |
|            |                |            |                 | Band 66          | 20M    | 1745   | 132322 | QPSK | 1  | 0       | Band 48 | 20M    | 3560   | 55340   | Band 48 | 20M    | 3690   | 55640 | 17.85 | 17.91 |
|            |                |            |                 | Band 66(4*4MIMO) | 20M    | 1745   | 132322 | QPSK | 1  | 0       | Band 48 | 20M    | 3560   | 55340   | Band 48 | 20M    | 3690   | 55640 | 17.82 | 17.91 |
|            | CA_5A-66C      |            |                 | Band 5           | 10M    | 836.5  | 20525  | QPSK | 1  | 0       | Band 66 | 20M    | 2155   | 66886   | Band 66 | 20M    | 2174.8 | 67084 | 21.2  | 21.35 |
|            |                |            |                 | Band 66          | 20M    | 1745   | 132322 | QPSK | 1  | 0       | Band 66 | 20M    | 2174.8 | 67084   | Band 5  | 10M    | 881.5  | 2525  | 17.77 | 17.91 |
|            |                |            |                 | Band 66(4*4MIMO) | 20M    | 1745   | 132322 | QPSK | 1  | 0       | Band 66 | 20M    | 2174.8 | 67084   | Band 5  | 10M    | 881.5  | 2525  | 17.75 | 17.91 |
|            | CA_12A-66A-66A |            |                 | Band 12          | 10M    | 707.5  | 23095  | QPSK | 1  | 49      | Band 66 | 20M    | 2155   | 66886   | Band 66 | 5M     | 2197.5 | 67311 | 22.74 | 22.77 |
|            |                |            |                 | Band 66          | 20M    | 1745   | 132322 | QPSK | 1  | 0       | Band 66 | 5M     | 2197.5 | 67311   | Band 12 | 10M    | 737.5  | 5095  | 17.81 | 17.91 |
|            |                |            |                 | Band 66(4*4MIMO) | 20M    | 1745   | 132322 | QPSK | 1  | 0       | Band 66 | 5M     | 2197.5 | 67311   | Band 12 | 10M    | 737.5  | 5095  | 17.78 | 17.91 |
|            | CA_12A-66C     |            |                 | Band 12          | 10M    | 707.5  | 23095  | QPSK | 1  | 49      | Band 66 | 20M    | 2155   | 66886   | Band 66 | 20M    | 2174.8 | 67084 | 22.67 | 22.77 |
|            |                |            |                 | Band 66          | 20M    | 1745   | 132322 | QPSK | 1  | 0       | Band 66 | 20M    | 2174.8 | 67084   | Band 12 | 10M    | 737.5  | 5095  | 17.73 | 17.91 |
|            |                |            |                 | Band 66(4*4MIMO) | 20M    | 1745   | 132322 | QPSK | 1  | 0       | Band 66 | 20M    | 2174.8 | 67084   | Band 12 | 10M    | 737.5  | 5095  | 17.69 | 17.91 |
|            | CA_13A-66A-66A |            |                 | Band 13          | 10M    | 782    | 23230  | QPSK | 1  | 25      | Band 66 | 20M    | 2155   | 66886   | Band 66 | 5M     | 2197.5 | 67311 | 20.03 | 20.05 |
|            |                |            |                 | Band 66          | 20M    | 1745   | 132322 | QPSK | 1  | 0       | Band 66 | 5M     | 2197.5 | 67311   | Band 13 | 10M    | 751    | 5230  | 17.76 | 17.91 |
|            |                |            |                 | Band 66(4*4MIMO) | 20M    | 1745   | 132322 | QPSK | 1  | 0       | Band 66 | 5M     | 2197.5 | 67311   | Band 13 | 10M    | 751    | 5230  | 17.71 | 17.91 |
|            | CA_66A-46C     |            |                 | Band 66          | 20M    | 1745   | 132322 | QPSK | 1  | 0       | Band 46 | 20M    | 5540.2 | 50692   | Band 46 | 20M    | 5560   | 50890 | 17.77 | 17.91 |
|            |                |            |                 | Band 66(4*4MIMO) | 20M    | 1745   | 132322 | QPSK | 1  | 0       | Band 46 | 20M    | 5540.2 | 50692   | Band 46 | 20M    | 5560   | 50890 | 17.73 | 17.91 |
|            | CA_66A-66C     |            |                 | Band 66          | 20M    | 1745   | 132322 | QPSK | 1  | 0       | Band 66 | 20M    | 2155   | 66886   | Band 66 | 20M    | 2174.8 | 67084 | 17.81 | 17.91 |
|            |                |            |                 | Band 66(4*4MIMO) | 20M    | 1745   | 132322 | QPSK | 1  | 0       | Band 66 | 20M    | 2155   | 66886   | Band 66 | 20M    | 2174.8 | 67084 | 17.76 | 17.91 |
|            | CA_48C-66A     |            |                 | Band 48          | 20M    | 3609   | 55830  | QPSK | 1  | 0       | Band 48 | 20M    | 3628.8 | 56028   | Band 66 | 20M    | 2174.8 | 67084 | 16.78 | 16.94 |
|            |                |            |                 | Band 66          | 20M    | 1745   | 132322 | QPSK | 1  | 0       | Band 48 | 20M    | 3553.3 | 55273   | Band 48 | 20M    | 3690   | 56640 | 17.79 | 17.91 |
|            |                |            |                 | Band 66(4*4MIMO) | 20M    | 1745   | 132322 | QPSK | 1  | 0       | Band 48 | 20M    | 3553.3 | 55273   | Band 48 | 20M    | 3690   | 56640 | 17.76 | 17.91 |
|            | CA_48C-48A     |            |                 | Band 48          | 20M    | 3609   | 55830  | QPSK | 1  | 0       | Band 48 | 20M    | 3628.8 | 56028   | Band 48 | 20M    | 3560   | 55340 | 16.74 | 16.94 |
| Intra-Band | Contiguous     | CA_41D     | Band 41         | 20M              | 2680   | 41490  | QPSK   | 1    | 49 | Band 41 | 20M     | 2660.2 | 41292  | Band 41 | 20M     | 2640.4 | 41094  | 19.03 | 19.22 |       |
|            | Contiguous     | CA_48D     | Band 48         | 20M              | 3609   | 55830  | QPSK   | 1    | 0  | Band 48 | 20M     | 3628.8 | 56028  | Band 48 | 20M     | 3648.6 | 56226  | 16.79 | 16.94 |       |
|            | Non-Contiguous | CA_41A-41C | Band 41         | 20M              | 2680   | 41490  | QPSK   | 1    | 49 | Band 41 | 20M     | 2660.2 | 41292  | Band 41 | 5M      | 2687.5 | 41565  | 19.09 | 19.22 |       |

**FCC SAR TEST REPORT**

Report No. : FA8D2526-01

<Reduced power mode 2 for At-Head with 5GHz Wifi>  
<UAT>

| Configure  |               | PCC              |       |                |         |      |     |              | SCC1    |       |                |         | SCC2    |       |                |         | Power              |                    |
|------------|---------------|------------------|-------|----------------|---------|------|-----|--------------|---------|-------|----------------|---------|---------|-------|----------------|---------|--------------------|--------------------|
|            |               | LTE              | BW    | UL             | UL      | Mod. | UL# | UL           | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | With CA            | Without CA         |
|            |               | Band             | (MHz) | Freq.<br>(MHz) | Channel |      | RB  | RB<br>Offset | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |
| Inter-Band | CA_2A-4A-7A   | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 20M   | 2655           | 3100    | 17.29              | 17.38              |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 20M   | 2655           | 3100    | 17.23              | 17.38              |
|            |               | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 7  | 20M   | 2655           | 3100    | Band 2  | 20M   | 1960           | 900     | 17.94              | 17.95              |
|            |               | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 7  | 20M   | 2655           | 3100    | Band 2  | 20M   | 1960           | 900     | 17.91              | 17.95              |
|            |               | Band 7           | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 2  | 20M   | 1960           | 900     | Band 4  | 20M   | 2132.5         | 2175    | 17.5               | 17.7               |
|            |               | Band 7(4*4MIMO)  | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 2  | 20M   | 1960           | 900     | Band 4  | 20M   | 2132.5         | 2175    | 17.46              | 17.7               |
|            | CA_2A-4A-13A  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 13 | 10M   | 751            | 5230    | 17.24              | 17.38              |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 13 | 10M   | 751            | 5230    | 17.18              | 17.38              |
|            |               | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 13 | 10M   | 751            | 5230    | Band 2  | 20M   | 1960           | 900     | 17.85              | 17.95              |
|            |               | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 13 | 10M   | 751            | 5230    | Band 2  | 20M   | 1960           | 900     | 17.84              | 17.95              |
|            | CA_2A-4A-29A  | Band 13          | 10M   | 782            | 23230   | QPSK | 1   | 25           | Band 2  | 20M   | 1960           | 900     | Band 4  | 20M   | 2132.5         | 2175    | 21.58              | 21.61              |
|            |               | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 29 | 10M   | 722.5          | 9715    | 17.31              | 17.38              |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 29 | 10M   | 722.5          | 9715    | 17.29              | 17.38              |
|            |               | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 29 | 10M   | 722.5          | 9715    | Band 2  | 20M   | 1960           | 900     | 17.81              | 17.95              |
|            | CA_2A-13A-66A | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 29 | 10M   | 722.5          | 9715    | Band 2  | 20M   | 1960           | 900     | 17.78              | 17.95              |
|            |               | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 13 | 10M   | 751            | 5230    | Band 66 | 20M   | 2155           | 66886   | 17.18              | 17.38              |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 13 | 10M   | 751            | 5230    | Band 66 | 20M   | 2155           | 66886   | 17.14              | 17.38              |
|            |               | Band 13          | 10M   | 782            | 23230   | QPSK | 1   | 25           | Band 2  | 20M   | 2155           | 66886   | Band 2  | 20M   | 1960           | 900     | 21.46              | 21.61              |
|            | CA_4A-29A-30A | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 13 | 10M   | 751            | 5230    | 17.74              | 17.91              |
|            |               | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 13 | 10M   | 751            | 5230    | 17.72              | 17.91              |
|            |               | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 29 | 10M   | 722.5          | 9715    | Band 30 | 10M   | 2355           | 9820    | 17.83              | 17.95              |
|            |               | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 29 | 10M   | 722.5          | 9715    | Band 30 | 10M   | 2355           | 9820    | 17.79              | 17.95              |
|            |               | Band 30          | 10M   | 2310           | 27710   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 29 | 10M   | 722.5          | 9715    | 17.31              | 17.38              |

| Configure  |             | PCC             |       |                |         |      |     |              | SCC1    |       |                |         | SCC2    |       |                |         | Power              |                    |
|------------|-------------|-----------------|-------|----------------|---------|------|-----|--------------|---------|-------|----------------|---------|---------|-------|----------------|---------|--------------------|--------------------|
|            |             | LTE             | BW    | UL             | UL      | Mod. | UL# | UL           | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | With CA            | Without CA         |
|            |             | Band            | (MHz) | Freq.<br>(MHz) | Channel |      | RB  | RB<br>Offset | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |
| Inter-Band | CA_2A-2A-4A | Band 2          | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 4  | 20M   | 2132.5         | 2175    | 17.32              | 17.38              |
|            |             | Band 2(4*4MIMO) | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 4  | 20M   | 2132.5         | 2175    | 17.25              | 17.38              |
|            |             | Band 4          | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | 17.78              | 17.95              |
|            |             | Band 4(4*4MIMO) | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | 17.73              | 17.95              |
|            | CA_2A-4A-4A | Band 2          | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 4  | 5M    | 2152.5         | 2375    | 17.18              | 17.38              |
|            |             | Band 2(4*4MIMO) | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 4  | 5M    | 2152.5         | 2375    | 17.12              | 17.38              |
|            |             | Band 4          | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 4  | 5M    | 2152.5         | 2375    | Band 2  | 20M   | 1960           | 900     | 17.84              | 17.95              |
|            |             | Band 4(4*4MIMO) | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 4  | 5M    | 2152.5         | 2375    | Band 2  | 20M   | 1960           | 900     | 17.82              | 17.95              |
|            | CA_2A-7A-7A | Band 2          | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 7  | 20M   | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 17.18              | 17.38              |
|            |             | Band 2(4*4MIMO) | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 7  | 20M   | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 17.13              | 17.38              |
|            |             | Band 7          | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 7  | 5M    | 2622.5         | 2775    | Band 2  | 20M   | 1960           | 900     | 17.54              | 17.7               |
|            |             | Band 7(4*4MIMO) | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 7  | 5M    | 2622.5         | 2775    | Band 2  | 20M   | 1960           | 900     | 17.53              | 17.7               |
|            | CA_2A-46C   | Band 2          | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 17.31              | 17.38              |
|            |             | Band 2(4*4MIMO) | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 17.26              | 17.38              |
|            | CA_2C-66A   | Band 2          | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 20M   | 1979.8         | 1098    | Band 66 | 20M   | 2155           | 66886   | 17.24              | 17.38              |
|            |             | Band            | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 20M   | 1979.8         | 1098    | Band 66 | 20M   | 2155           | 66886   | 17.21              | 17.38              |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

|  |                |                  |     |        |        |      |   |    |         |     |        |       |         |     |        |       |       |       |
|--|----------------|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|---------|-----|--------|-------|-------|-------|
|  |                | 2(4*4MIMO)       |     |        |        |      |   |    |         |     |        |       |         |     |        |       |       |       |
|  |                | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 20M | 1979.8 | 1098  | 17.83 | 17.91 |
|  |                | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 20M | 1979.8 | 1098  | 17.78 | 17.91 |
|  | CA_2A-2A-13A   | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | 17.37 | 17.38 |
|  |                | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | 17.32 | 17.38 |
|  |                | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 21.51 | 21.61 |
|  | CA_2A-66C      | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 17.38 | 17.28 | 17.38 |
|  |                | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 17.38 | 17.22 | 17.38 |
|  |                | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 2  | 20M | 1960   | 900   | 17.85 | 17.91 |
|  |                | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 2  | 20M | 1960   | 900   | 17.81 | 17.91 |
|  | CA_2A-48C      | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 48 | 20M | 3615.1 | 55891 | Band 48 | 20M | 3634.9 | 56089 | 17.37 | 17.38 |
|  |                | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 48 | 20M | 3615.1 | 55891 | Band 48 | 20M | 3634.9 | 56089 | 17.31 | 17.38 |
|  |                | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 48 | 20M | 3634.9 | 56089 | Band 2  | 20M | 1960   | 900   | 16.84 | 16.94 |
|  | CA_2A-2A-66A   | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | 17.37 | 17.38 |
|  |                | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | 17.32 | 17.38 |
|  |                | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 17.89 | 17.91 |
|  |                | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 17.83 | 17.91 |
|  | CA_2A-66A-66A  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 17.21 | 17.38 |
|  |                | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 17.19 | 17.38 |
|  |                | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 2  | 20M | 1960   | 900   | 17.77 | 17.91 |
|  |                | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 2  | 20M | 1960   | 900   | 17.75 | 17.91 |
|  | CA_2A-48A-48A  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 48 | 20M | 3560   | 55340 | Band 48 | 20M | 3690   | 56640 | 17.27 | 17.38 |
|  |                | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 48 | 20M | 3560   | 55340 | Band 48 | 20M | 3690   | 56640 | 17.22 | 17.38 |
|  |                | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 56640 | Band 2  | 20M | 1960   | 900   | 16.79 | 16.94 |
|  | CA_2A-48A-66A  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 48 | 20M | 3560   | 55340 | Band 66 | 5M  | 2197.5 | 67311 | 17.25 | 17.38 |
|  |                | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 48 | 20M | 3560   | 55340 | Band 66 | 5M  | 2197.5 | 67311 | 17.24 | 17.38 |
|  |                | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 56640 | Band 2  | 20M | 1960   | 900   | 17.86 | 17.91 |
|  |                | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 56640 | Band 2  | 20M | 1960   | 900   | 17.84 | 17.91 |
|  |                | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 66 | 5M  | 2197.5 | 67311 | 16.93 | 16.94 |
|  | CA_4A-4A-7A    | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 7  | 20M | 2655   | 3100  | 17.94 | 17.95 |
|  |                | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 7  | 20M | 2655   | 3100  | 17.86 | 17.95 |
|  |                | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 17.6  | 17.7  |
|  |                | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 17.54 | 17.7  |
|  | CA_4A-7A-7A    | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | Band 7  | 5M  | 2687.5 | 3425  | 17.94 | 17.95 |
|  |                | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | Band 7  | 5M  | 2687.5 | 3425  | 17.91 | 17.95 |
|  |                | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | Band 4  | 20M | 2132.5 | 2175  | 17.64 | 17.7  |
|  |                | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | Band 4  | 20M | 2132.5 | 2175  | 17.59 | 17.7  |
|  | CA_4A-46C      | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 17.9  | 17.95 |
|  |                | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 17.86 | 17.95 |
|  | CA_4A-4A-13A   | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 13 | 10M | 751    | 5230  | 17.88 | 17.95 |
|  |                | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 13 | 10M | 751    | 5230  | 17.81 | 17.95 |
|  | CA_4A-46A-46A  | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 21.51 | 21.61 |
|  |                | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 17.78 | 17.95 |
|  |                | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 17.75 | 17.95 |
|  |                | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 17.33 | 17.38 |
|  | CA_2A-46A-46A  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 17.28 | 17.38 |
|  |                | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 17.85 | 17.91 |
|  | CA_66A-46A-46A | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 17.81 | 17.91 |



# FCC SAR TEST REPORT

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|        |                |            |                  |     |      |        |      |   |    |         |     |        |       |         |     |        |       |       |       |
|--------|----------------|------------|------------------|-----|------|--------|------|---|----|---------|-----|--------|-------|---------|-----|--------|-------|-------|-------|
|        | CA_48A-48A-66A |            | Band 48          | 20M | 3609 | 55830  | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 55640 | Band 66 | 20M | 2174.8 | 67084 | 16.79 | 16.94 |
|        |                |            | Band 66          | 20M | 1745 | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3560   | 55340 | Band 48 | 20M | 3690   | 55640 | 17.89 | 17.91 |
|        |                |            | Band 66(4*4MIMO) | 20M | 1745 | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3560   | 55340 | Band 48 | 20M | 3690   | 55640 | 17.85 | 17.91 |
|        | CA_13A-66A-66A |            | Band 13          | 10M | 782  | 23230  | QPSK | 1 | 25 | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 21.57 | 21.61 |
|        |                |            | Band 66          | 20M | 1745 | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 13 | 10M | 751    | 5230  | 17.78 | 17.91 |
|        |                |            | Band 66(4*4MIMO) | 20M | 1745 | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 13 | 10M | 751    | 5230  | 17.74 | 17.91 |
|        | CA_66A-46C     |            | Band 66          | 20M | 1745 | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 17.87 | 17.91 |
|        |                |            | Band 66(4*4MIMO) | 20M | 1745 | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 17.82 | 17.91 |
|        | CA_66A-66C     |            | Band 66          | 20M | 1745 | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 17.75 | 17.91 |
|        |                |            | Band 66(4*4MIMO) | 20M | 1745 | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 17.73 | 17.91 |
|        | CA_48C-66A     |            | Band 48          | 20M | 3609 | 55830  | QPSK | 1 | 0  | Band 48 | 20M | 3628.8 | 56028 | Band 66 | 20M | 2174.8 | 67084 | 16.77 | 16.94 |
|        |                |            | Band 66          | 20M | 1745 | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3553.3 | 55273 | Band 48 | 20M | 3690   | 56640 | 17.79 | 17.91 |
|        |                |            | Band 66(4*4MIMO) | 20M | 1745 | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3553.3 | 55273 | Band 48 | 20M | 3690   | 56640 | 17.76 | 17.91 |
|        | CA_48C-48A     |            | Band 48          | 20M | 3609 | 55830  | QPSK | 1 | 0  | Band 48 | 20M | 3628.8 | 56028 | Band 48 | 20M | 3560   | 55340 | 16.88 | 16.94 |
| Intra- | Contiguous     | CA_41D     | Band 41          | 20M | 2680 | 41490  | QPSK | 1 | 49 | Band 41 | 20M | 2660.2 | 41292 | Band 41 | 20M | 2640.4 | 41094 | 20.23 | 20.3  |
|        | Contiguous     | CA_48D     | Band 48          | 20M | 3609 | 55830  | QPSK | 1 | 0  | Band 48 | 20M | 3628.8 | 56028 | Band 48 | 20M | 3648.6 | 56226 | 16.83 | 16.94 |
|        | Non-Contiguous | CA_41A-41C | Band 41          | 20M | 2680 | 41490  | QPSK | 1 | 49 | Band 41 | 20M | 2660.2 | 41292 | Band 41 | 5M  | 2687.5 | 41565 | 20.1  | 20.3  |

## <Reduced power mode 3 for Hotspot with 5GHz Wifi> <UAT>

| Configure  |              | PCC             |       |                |       |         |    |              | SCC1    |       |                |         | SCC2    |       |                |         | Power              |                    |
|------------|--------------|-----------------|-------|----------------|-------|---------|----|--------------|---------|-------|----------------|---------|---------|-------|----------------|---------|--------------------|--------------------|
|            |              | LTE             | BW    | UL             | Mod.  | UL#     | UL | LTE          | BW      | DL    | DL             | LTE     | BW      | DL    | DL             | With CA | Without CA         |                    |
|            |              | Band            | (MHz) | Freq.<br>(MHz) |       | Channel | RB | RB<br>Offset | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |
| Inter-Band | CA_2A-4A-5A  | Band 2          | 20M   | 1880           | 18900 | QPSK    | 1  | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 5  | 10M   | 881.5          | 2525    | 18.98              | 19.09              |
|            |              | Band 2(4*4MIMO) | 20M   | 1880           | 18900 | QPSK    | 1  | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 5  | 10M   | 881.5          | 2525    | 18.91              | 19.09              |
|            |              | Band 4          | 20M   | 1732.5         | 20175 | QPSK    | 1  | 0            | Band 5  | 10M   | 881.5          | 2525    | Band 2  | 20M   | 1960           | 900     | 18.76              | 18.95              |
|            |              | Band 4(4*4MIMO) | 20M   | 1732.5         | 20175 | QPSK    | 1  | 0            | Band 5  | 10M   | 881.5          | 2525    | Band 2  | 20M   | 1960           | 900     | 18.73              | 18.95              |
|            |              | Band 5          | 10M   | 836.5          | 20525 | QPSK    | 1  | 0            | Band 2  | 20M   | 1960           | 900     | Band 4  | 20M   | 2132.5         | 2175    | 17.91              | 18.05              |
|            | CA_2A-4A-7A  | Band 2          | 20M   | 1880           | 18900 | QPSK    | 1  | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 20M   | 2655           | 3100    | 18.99              | 19.09              |
|            |              | Band 2(4*4MIMO) | 20M   | 1880           | 18900 | QPSK    | 1  | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 20M   | 2655           | 3100    | 18.92              | 19.09              |
|            |              | Band 4          | 20M   | 1732.5         | 20175 | QPSK    | 1  | 0            | Band 7  | 20M   | 2655           | 3100    | Band 2  | 20M   | 1960           | 900     | 18.88              | 18.95              |
|            |              | Band 4(4*4MIMO) | 20M   | 1732.5         | 20175 | QPSK    | 1  | 0            | Band 7  | 20M   | 2655           | 3100    | Band 2  | 20M   | 1960           | 900     | 18.87              | 18.95              |
|            |              | Band 7          | 20M   | 2560           | 21350 | QPSK    | 1  | 99           | Band 2  | 20M   | 1960           | 900     | Band 4  | 20M   | 2132.5         | 2175    | 19.68              | 19.84              |
|            |              | Band 7(4*4MIMO) | 20M   | 2560           | 21350 | QPSK    | 1  | 99           | Band 2  | 20M   | 1960           | 900     | Band 4  | 20M   | 2132.5         | 2175    | 19.65              | 19.84              |
|            | CA_2A-4A-12A | Band 2          | 20M   | 1880           | 18900 | QPSK    | 1  | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 12 | 10M   | 737.5          | 5095    | 18.93              | 19.09              |
|            |              | Band 2(4*4MIMO) | 20M   | 1880           | 18900 | QPSK    | 1  | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 12 | 10M   | 737.5          | 5095    | 18.9               | 19.09              |
|            |              | Band 4          | 20M   | 1732.5         | 20175 | QPSK    | 1  | 0            | Band 12 | 10M   | 737.5          | 5095    | Band 2  | 20M   | 1960           | 900     | 18.86              | 18.95              |
|            |              | Band 4(4*4MIMO) | 20M   | 1732.5         | 20175 | QPSK    | 1  | 0            | Band 12 | 10M   | 737.5          | 5095    | Band 2  | 20M   | 1960           | 900     | 18.81              | 18.95              |
|            |              | Band 12         | 10M   | 707.5          | 23095 | QPSK    | 1  | 49           | Band 2  | 20M   | 1960           | 900     | Band 4  | 20M   | 2132.5         | 2175    | 19.62              | 19.63              |
|            | CA_2A-4A-13A | Band 2          | 20M   | 1880           | 18900 | QPSK    | 1  | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 13 | 10M   | 751            | 5230    | 18.98              | 19.09              |
|            |              | Band 2(4*4MIMO) | 20M   | 1880           | 18900 | QPSK    | 1  | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 13 | 10M   | 751            | 5230    | 18.91              | 19.09              |
|            |              | Band 4          | 20M   | 1732.5         | 20175 | QPSK    | 1  | 0            | Band 13 | 10M   | 751            | 5230    | Band 2  | 20M   | 1960           | 900     | 18.92              | 18.95              |
|            |              | Band 4(4*4MIMO) | 20M   | 1732.5         | 20175 | QPSK    | 1  | 0            | Band 13 | 10M   | 751            | 5230    | Band 2  | 20M   | 1960           | 900     | 18.85              | 18.95              |
|            |              | Band 13         | 10M   | 782            | 23230 | QPSK    | 1  | 25           | Band 2  | 20M   | 1960           | 900     | Band 4  | 20M   | 2132.5         | 2175    | 19.19              | 19.3               |
|            | CA_2A-4A-29A | Band 2          | 20M   | 1880           | 18900 | QPSK    | 1  | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 29 | 10M   | 722.5          | 9715    | 18.93              | 19.09              |
|            |              | Band 2(4*4MIMO) | 20M   | 1880           | 18900 | QPSK    | 1  | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 29 | 10M   | 722.5          | 9715    | 18.88              | 19.09              |
|            |              | Band 4          | 20M   | 1732.5         | 20175 | QPSK    | 1  | 0            | Band 29 | 10M   | 722.5          | 9715    | Band 2  | 20M   | 1960           | 900     | 18.87              | 18.95              |
|            |              | Band 4(4*4MIMO) | 20M   | 1732.5         | 20175 | QPSK    | 1  | 0            | Band 29 | 10M   | 722.5          | 9715    | Band 2  | 20M   | 1960           | 900     | 18.83              | 18.95              |



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|  |               |                  |     |        |        |      |   |    |         |     |        |       |         |     |        |       |       |       |
|--|---------------|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|---------|-----|--------|-------|-------|-------|
|  | CA_2A-4A-71A  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | Band 71 | 20M | 637    | 68786 | 18.97 | 19.09 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | Band 71 | 20M | 637    | 68786 | 18.91 | 19.09 |
|  |               | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 71 | 20M | 637    | 68786 | Band 2  | 20M | 1960   | 900   | 18.89 | 18.95 |
|  |               | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 71 | 20M | 637    | 68786 | Band 2  | 20M | 1960   | 900   | 18.85 | 18.95 |
|  |               | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 4  | 20M | 2132.5 | 2175  | 20.21 | 20.4  |
|  | CA_2A-5A-66A  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | Band 66 | 20M | 2155   | 66886 | 18.89 | 19.09 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | Band 66 | 20M | 2155   | 66886 | 18.86 | 19.09 |
|  |               | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 2  | 20M | 1960   | 900   | 17.88 | 18.05 |
|  |               | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 5  | 10M | 881.5  | 2525  | 18.96 | 19    |
|  |               | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 5  | 10M | 881.5  | 2525  | 18.93 | 19    |
|  | CA_2A-12A-66A | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2155   | 66886 | 19.05 | 19.09 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2155   | 66886 | 19.01 | 19.09 |
|  |               | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 2  | 20M | 1960   | 900   | 19.58 | 19.63 |
|  |               | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 12 | 10M | 737.5  | 5095  | 18.97 | 19    |
|  |               | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 12 | 10M | 737.5  | 5095  | 18.92 | 19    |
|  | CA_2A-13A-66A | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2155   | 66886 | 18.96 | 19.09 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2155   | 66886 | 18.94 | 19.09 |
|  |               | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 2  | 20M | 2155   | 66886 | Band 2  | 20M | 1960   | 900   | 19.24 | 19.3  |
|  |               | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 13 | 10M | 751    | 5230  | 18.85 | 19    |
|  |               | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 13 | 10M | 751    | 5230  | 18.83 | 19    |
|  | CA_2A-66A-71A | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 71 | 20M | 637    | 68786 | 19    | 19.09 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 71 | 20M | 637    | 68786 | 18.95 | 19.09 |
|  |               | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 71 | 20M | 637    | 68786 | Band 2  | 20M | 1960   | 900   | 18.8  | 19    |
|  |               | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 71 | 20M | 637    | 68786 | Band 2  | 20M | 1960   | 900   | 18.76 | 19    |
|  |               | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 66 | 20M | 2155   | 66886 | 20.39 | 20.4  |
|  | CA_4A-7A-12A  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | Band 12 | 10M | 737.5  | 5095  | 18.83 | 18.95 |
|  |               | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | Band 12 | 10M | 737.5  | 5095  | 18.81 | 18.95 |
|  |               | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 12 | 10M | 737.5  | 5095  | Band 4  | 20M | 2132.5 | 2175  | 19.82 | 19.84 |
|  |               | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 12 | 10M | 737.5  | 5095  | Band 4  | 20M | 2132.5 | 2175  | 19.79 | 19.84 |
|  |               | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 4  | 20M | 2132.5 | 2175  | Band 7  | 20M | 2655   | 3100  | 19.51 | 19.63 |

| Configure  |             | PCC             |       |             |         |      |     |           | SCC1   |       |             |         | SCC2   |       |             |         | Power           |                 |
|------------|-------------|-----------------|-------|-------------|---------|------|-----|-----------|--------|-------|-------------|---------|--------|-------|-------------|---------|-----------------|-----------------|
|            |             | LTE             | BW    | UL          | UL      | Mod. | UL# | UL        | LTE    | BW    | DL          | DL      | LTE    | BW    | DL          | DL      | With CA         | Without CA      |
|            |             | Band            | (MHz) | Freq. (MHz) | Channel |      | RB  | RB Offset | Band   | (MHz) | Freq. (MHz) | Channel | Band   | (MHz) | Freq. (MHz) | Channel | Tx. Power (dBm) | Tx. Power (dBm) |
| Inter-Band | CA_2A-2A-4A | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2 | 5M    | 1987.5      | 1175    | Band 4 | 20M   | 2132.5      | 2175    | 19.07           | 19.09           |
|            |             | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2 | 5M    | 1987.5      | 1175    | Band 4 | 20M   | 2132.5      | 2175    | 19.01           | 19.09           |
|            |             | Band 4          | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 2 | 20M   | 1960        | 900     | Band 2 | 5M    | 1987.5      | 1175    | 18.9            | 18.95           |
|            |             | Band 4(4*4MIMO) | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 2 | 20M   | 1960        | 900     | Band 2 | 5M    | 1987.5      | 1175    | 18.88           | 18.95           |
|            | CA_2A-4A-4A | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4 | 20M   | 2132.5      | 2175    | Band 4 | 5M    | 2152.5      | 2375    | 19.02           | 19.09           |
|            |             | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4 | 20M   | 2132.5      | 2175    | Band 4 | 5M    | 2152.5      | 2375    | 18.96           | 19.09           |
|            |             | Band 4          | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 4 | 5M    | 2152.5      | 2375    | Band 2 | 20M   | 1960        | 900     | 18.86           | 18.95           |
|            |             | Band 4(4*4MIMO) | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 4 | 5M    | 2152.5      | 2375    | Band 2 | 20M   | 1960        | 900     | 18.82           | 18.95           |
|            | CA_2A-2A-5A | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2 | 5M    | 1987.5      | 1175    | Band 5 | 10M   | 881.5       | 2525    | 18.92           | 19.09           |
|            |             | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2 | 5M    | 1987.5      | 1175    | Band 5 | 10M   | 881.5       | 2525    | 18.89           | 19.09           |
|            |             | Band 5          | 10M   | 836.5       | 20525   | QPSK | 1   | 0         | Band 2 | 20M   | 1960        | 900     | Band 2 | 5M    | 1987.5      | 1175    | 17.88           | 18.05           |
|            | CA_2A-7A-7A | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 7 | 20M   | 2655        | 3100    | Band 7 | 5M    | 2687.5      | 3425    | 19.04           | 19.09           |
|            |             | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 7 | 20M   | 2655        | 3100    | Band 7 | 5M    | 2687.5      | 3425    | 19.03           | 19.09           |



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|  |               |                  |     |        |        |      |   |    |         |     |        |       |         |     |        |       |       |       |
|--|---------------|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|---------|-----|--------|-------|-------|-------|
|  | CA_2A-46C     | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | Band 2  | 20M | 1960   | 900   | 19.71 | 19.84 |
|  |               | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | Band 2  | 20M | 1960   | 900   | 19.66 | 19.84 |
|  |               | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 18.89 | 19.09 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 18.82 | 19.09 |
|  | CA_2A-2A-12A  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 12 | 10M | 737.5  | 5095  | 19.06 | 19.09 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 12 | 10M | 737.5  | 5095  | 19.01 | 19.09 |
|  |               | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 19.57 | 19.63 |
|  | CA_2C-66A     | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1979.8 | 1098  | Band 66 | 20M | 2155   | 66886 | 19.08 | 19.09 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1979.8 | 1098  | Band 66 | 20M | 2155   | 66886 | 19.03 | 19.09 |
|  |               | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 20M | 1979.8 | 1098  | 18.86 | 19    |
|  |               | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 20M | 1979.8 | 1098  | 18.81 | 19    |
|  | CA_2A-2A-13A  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | 18.94 | 19.09 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | 18.92 | 19.09 |
|  |               | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 19.25 | 19.3  |
|  | CA_2A-66C     | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 17.38 | 18.99 | 19.09 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 17.38 | 18.95 | 19.09 |
|  |               | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 2  | 20M | 1960   | 900   | 18.89 | 19    |
|  |               | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 2  | 20M | 1960   | 900   | 18.83 | 19    |
|  | CA_2A-48C     | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 48 | 20M | 3615.1 | 55891 | Band 48 | 20M | 3634.9 | 56089 | 19.05 | 19.09 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 48 | 20M | 3615.1 | 55891 | Band 48 | 20M | 3634.9 | 56089 | 19.02 | 19.09 |
|  |               | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 48 | 20M | 3634.9 | 56089 | Band 2  | 20M | 1960   | 900   | 19.61 | 19.78 |
|  | CA_2A-2A-66A  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | 19.05 | 19.09 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | 19.03 | 19.09 |
|  |               | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 18.88 | 19    |
|  |               | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 18.84 | 19    |
|  | CA_2A-2A-71A  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 71 | 20M | 637    | 68786 | 19.07 | 19.09 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 71 | 20M | 637    | 68786 | 19.02 | 19.09 |
|  |               | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 20.38 | 20.4  |
|  | CA_2A-66A-66A | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 18.99 | 19.09 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 18.93 | 19.09 |
|  |               | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 2  | 20M | 1960   | 900   | 18.92 | 19    |
|  |               | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 2  | 20M | 1960   | 900   | 18.89 | 19    |
|  | CA_2A-48A-48A | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 48 | 20M | 3560   | 55340 | Band 48 | 20M | 3690   | 56640 | 18.9  | 19.09 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 48 | 20M | 3560   | 55340 | Band 48 | 20M | 3690   | 56640 | 18.83 | 19.09 |
|  |               | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 56640 | Band 2  | 20M | 1960   | 900   | 19.73 | 19.78 |
|  | CA_2A-48A-66A | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 48 | 20M | 3560   | 55340 | Band 66 | 5M  | 2197.5 | 67311 | 18.99 | 19.09 |
|  |               | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 48 | 20M | 3560   | 55340 | Band 66 | 5M  | 2197.5 | 67311 | 18.95 | 19.09 |
|  |               | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 56640 | Band 2  | 20M | 1960   | 900   | 18.86 | 19    |
|  |               | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 56640 | Band 2  | 20M | 1960   | 900   | 18.83 | 19    |
|  |               | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 66 | 5M  | 2197.5 | 67311 | 19.67 | 19.78 |
|  | CA_4A-4A-5A   | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 5  | 10M | 881.5  | 2525  | 18.76 | 18.95 |
|  |               | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 5  | 10M | 881.5  | 2525  | 18.74 | 18.95 |
|  |               | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 17.85 | 18.05 |
|  | CA_4A-4A-7A   | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 7  | 20M | 2655   | 3100  | 18.75 | 18.95 |
|  |               | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 7  | 20M | 2655   | 3100  | 18.72 | 18.95 |
|  |               | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 19.64 | 19.84 |
|  |               | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 19.62 | 19.84 |
|  | CA_4A-7A-7A   | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | Band 7  | 5M  | 2687.5 | 3425  | 18.9  | 18.95 |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

|                |  |                  |     |        |        |      |   |    |         |     |        |       |         |     |        |       |       |       |
|----------------|--|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|---------|-----|--------|-------|-------|-------|
|                |  | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | Band 7  | 5M  | 2687.5 | 3425  | 18.88 | 18.95 |
|                |  | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | Band 4  | 20M | 2132.5 | 2175  | 19.66 | 19.84 |
|                |  | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | Band 4  | 20M | 2132.5 | 2175  | 19.62 | 19.84 |
| CA_4A-46C      |  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 18.91 | 18.95 |
|                |  | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 18.86 | 18.95 |
| CA_4A-4A-12A   |  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 12 | 10M | 737.5  | 5095  | 18.76 | 18.95 |
|                |  | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 12 | 10M | 737.5  | 5095  | 18.75 | 18.95 |
|                |  | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 19.5  | 19.63 |
| CA_4A-4A-71A   |  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 71 | 20M | 637    | 68786 | 18.76 | 18.95 |
|                |  | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 71 | 20M | 637    | 68786 | 18.73 | 18.95 |
|                |  | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 20.38 | 20.4  |
| CA_4A-4A-13A   |  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 13 | 10M | 751    | 5230  | 18.94 | 18.95 |
|                |  | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 13 | 10M | 751    | 5230  | 18.85 | 18.95 |
|                |  | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 19.1  | 19.3  |
| CA_4A-46A-46A  |  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 18.93 | 18.95 |
|                |  | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 18.86 | 18.95 |
| CA_2A-46A-46A  |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 19.06 | 19.09 |
|                |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 19.02 | 19.09 |
| CA_66A-46A-46A |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 18.9  | 19    |
|                |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 18.85 | 19    |
| CA_48A-48A-66A |  | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 48 | 20M | 3690   | 55640 | Band 66 | 20M | 2174.8 | 67084 | 19.73 | 19.78 |
|                |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3560   | 55340 | Band 48 | 20M | 3690   | 55640 | 18.96 | 19    |
|                |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3560   | 55340 | Band 48 | 20M | 3690   | 55640 | 18.92 | 19    |
| CA_5A-66C      |  | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 17.89 | 18.05 |
|                |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 5  | 10M | 881.5  | 2525  | 18.86 | 19    |
|                |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 5  | 10M | 881.5  | 2525  | 18.83 | 19    |
| CA_12A-66A-66A |  | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 19.49 | 19.63 |
|                |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 12 | 10M | 737.5  | 5095  | 18.86 | 19    |
|                |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 12 | 10M | 737.5  | 5095  | 18.81 | 19    |
| CA_12A-66C     |  | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 19.56 | 19.63 |
|                |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 12 | 10M | 737.5  | 5095  | 18.98 | 19    |
|                |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 12 | 10M | 737.5  | 5095  | 18.92 | 19    |
| CA_13A-66A-66A |  | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 19.11 | 19.3  |
|                |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 13 | 10M | 751    | 5230  | 18.9  | 19    |
|                |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 13 | 10M | 751    | 5230  | 18.85 | 19    |
| CA_66A-66A-71A |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 71 | 20M | 637    | 68786 | 18.89 | 19    |
|                |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 71 | 20M | 637    | 68786 | 18.84 | 19    |
|                |  | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 20.29 | 20.4  |
| CA_66A-46C     |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 18.96 | 19    |
|                |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 18.91 | 19    |
| CA_66C-71A     |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 71 | 20M | 637    | 68786 | 18.89 | 19    |
|                |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 71 | 20M | 637    | 68786 | 18.83 | 19    |
|                |  | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 20.35 | 20.4  |
| CA_66A-66C     |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 18.82 | 19    |
|                |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 18.78 | 19    |
| CA_48C-66A     |  | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 48 | 20M | 3628.8 | 56028 | Band 66 | 20M | 2174.8 | 67084 | 19.64 | 19.78 |
|                |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3553.3 | 55273 | Band 48 | 20M | 3690   | 56640 | 18.91 | 19    |
|                |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3553.3 | 55273 | Band 48 | 20M | 3690   | 56640 | 18.88 | 19    |
| CA_48C-48A     |  | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 48 | 20M | 3628.8 | 56028 | Band 48 | 20M | 3560   | 55340 | 19.6  | 19.78 |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

|        |            |        |         |     |      |       |      |   |   |         |     |        |       |         |     |        |       |      |       |
|--------|------------|--------|---------|-----|------|-------|------|---|---|---------|-----|--------|-------|---------|-----|--------|-------|------|-------|
| Intra- | Contiguous | CA_48D | Band 48 | 20M | 3609 | 55830 | QPSK | 1 | 0 | Band 48 | 20M | 3628.8 | 56028 | Band 48 | 20M | 3648.6 | 56226 | 19.7 | 19.78 |
|--------|------------|--------|---------|-----|------|-------|------|---|---|---------|-----|--------|-------|---------|-----|--------|-------|------|-------|

<Reduced power mode 1 for Hotspot>

<LAT>

| Configure  |              | PCC             |       |             |         |      |     |           | SCC1    |       |             |         | SCC2    |       |             |         | Power           |                 |
|------------|--------------|-----------------|-------|-------------|---------|------|-----|-----------|---------|-------|-------------|---------|---------|-------|-------------|---------|-----------------|-----------------|
|            |              | LTE             | BW    | UL          | UL      | Mod. | UL# | UL        | LTE     | BW    | DL          | DL      | LTE     | BW    | DL          | DL      | With CA         | Without CA      |
|            |              | Band            | (MHz) | Freq. (MHz) | Channel |      | RB  | RB Offset | Band    | (MHz) | Freq. (MHz) | Channel | Band    | (MHz) | Freq. (MHz) | Channel | Tx. Power (dBm) | Tx. Power (dBm) |
| Inter-Band | CA_2A-4A-7A  | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 7  | 20M   | 2655        | 3100    | 21.25           | 21.38           |
|            |              | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 7  | 20M   | 2655        | 3100    | 21.21           | 21.38           |
|            |              | Band 4          | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 7  | 20M   | 2655        | 3100    | Band 2  | 20M   | 1960        | 900     | 21.56           | 21.71           |
|            |              | Band 4(4*4MIMO) | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 7  | 20M   | 2655        | 3100    | Band 2  | 20M   | 1960        | 900     | 21.5            | 21.71           |
|            |              | Band 7          | 20M   | 2560        | 21350   | QPSK | 1   | 99        | Band 2  | 20M   | 1960        | 900     | Band 4  | 20M   | 2132.5      | 2175    | 21.92           | 21.93           |
|            |              | Band 7(4*4MIMO) | 20M   | 2560        | 21350   | QPSK | 1   | 99        | Band 2  | 20M   | 1960        | 900     | Band 4  | 20M   | 2132.5      | 2175    | 21.9            | 21.93           |
|            | CA_2A-4A-29A | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 29 | 10M   | 722.5       | 9715    | 21.28           | 21.38           |
|            |              | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 29 | 10M   | 722.5       | 9715    | 21.26           | 21.38           |
|            |              | Band 4          | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 29 | 10M   | 722.5       | 9715    | Band 2  | 20M   | 1960        | 900     | 21.56           | 21.71           |
|            |              | Band 4(4*4MIMO) | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 29 | 10M   | 722.5       | 9715    | Band 2  | 20M   | 1960        | 900     | 21.55           | 21.71           |

| Configure  |              | PCC              |       |             |         |      |     |           | SCC1    |       |             |         | SCC2    |       |             |         | Power           |                 |
|------------|--------------|------------------|-------|-------------|---------|------|-----|-----------|---------|-------|-------------|---------|---------|-------|-------------|---------|-----------------|-----------------|
|            |              | LTE              | BW    | UL          | UL      | Mod. | UL# | UL        | LTE     | BW    | DL          | DL      | LTE     | BW    | DL          | DL      | With CA         | Without CA      |
|            |              | Band             | (MHz) | Freq. (MHz) | Channel |      | RB  | RB Offset | Band    | (MHz) | Freq. (MHz) | Channel | Band    | (MHz) | Freq. (MHz) | Channel | Tx. Power (dBm) | Tx. Power (dBm) |
| Inter-Band | CA_2A-2A-4A  | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5      | 1175    | Band 4  | 20M   | 2132.5      | 2175    | 21.33           | 21.38           |
|            |              | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5      | 1175    | Band 4  | 20M   | 2132.5      | 2175    | 21.32           | 21.38           |
|            |              | Band 4           | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 2  | 5M    | 1987.5      | 1175    | 21.66           | 21.71           |
|            |              | Band 4(4*4MIMO)  | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 2  | 5M    | 1987.5      | 1175    | 21.63           | 21.71           |
|            | CA_2A-4A-4A  | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 4  | 5M    | 2152.5      | 2375    | 21.33           | 21.38           |
|            |              | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 4  | 5M    | 2152.5      | 2375    | 21.31           | 21.38           |
|            |              | Band 4           | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 4  | 5M    | 2152.5      | 2375    | Band 2  | 20M   | 1960        | 900     | 21.53           | 21.71           |
|            |              | Band 4(4*4MIMO)  | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 4  | 5M    | 2152.5      | 2375    | Band 2  | 20M   | 1960        | 900     | 21.5            | 21.71           |
|            | CA_2A-7A-7A  | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 7  | 20M   | 2655        | 3100    | Band 7  | 5M    | 2687.5      | 3425    | 21.3            | 21.38           |
|            |              | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 7  | 20M   | 2655        | 3100    | Band 7  | 5M    | 2687.5      | 3425    | 21.28           | 21.38           |
|            |              | Band 7           | 20M   | 2560        | 21350   | QPSK | 1   | 99        | Band 7  | 5M    | 2622.5      | 2775    | Band 2  | 20M   | 1960        | 900     | 21.8            | 21.93           |
|            |              | Band 7(4*4MIMO)  | 20M   | 2560        | 21350   | QPSK | 1   | 99        | Band 7  | 5M    | 2622.5      | 2775    | Band 2  | 20M   | 1960        | 900     | 21.8            | 21.93           |
|            | CA_2A-46C    | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5540.2      | 50692   | Band 46 | 20M   | 5560        | 50890   | 21.19           | 21.38           |
|            |              | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5540.2      | 50692   | Band 46 | 20M   | 5560        | 50890   | 21.15           | 21.38           |
|            | CA_2C-66A    | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 20M   | 1979.8      | 1098    | Band 66 | 20M   | 2155        | 66886   | 21.33           | 21.38           |
|            |              | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 20M   | 1979.8      | 1098    | Band 66 | 20M   | 2155        | 66886   | 21.3            | 21.38           |
|            |              | Band 66          | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 2  | 20M   | 1979.8      | 1098    | 21.77           | 21.78           |
|            |              | Band 66(4*4MIMO) | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 2  | 20M   | 1979.8      | 1098    | 21.75           | 21.78           |
|            | CA_2A-66C    | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 66 | 20M   | 2155        | 66886   | Band 66 | 20M   | 2174.8      | 67084   | 21.36           | 21.38           |
|            |              | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 66 | 20M   | 2155        | 66886   | Band 66 | 20M   | 2174.8      | 67084   | 21.34           | 21.38           |
|            |              | Band 66          | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 66 | 20M   | 2174.8      | 67084   | Band 2  | 20M   | 1960        | 900     | 21.69           | 21.78           |
|            |              | Band 66(4*4MIMO) | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 66 | 20M   | 2174.8      | 67084   | Band 2  | 20M   | 1960        | 900     | 21.65           | 21.78           |
|            | CA_2A-2A-66A | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5      | 1175    | Band 66 | 20M   | 2155        | 66886   | 21.34           | 21.38           |
|            |              | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5      | 1175    | Band 66 | 20M   | 2155        | 66886   | 21.31           | 21.38           |



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|  |                |                  |     |        |        |      |   |    |         |     |        |       |         |     |        |       |       |       |
|--|----------------|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|---------|-----|--------|-------|-------|-------|
|  |                | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 21.77 | 21.78 |
|  |                | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 21.74 | 21.78 |
|  | CA_2A-66A-66A  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 21.2  | 21.38 |
|  |                | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 21.19 | 21.38 |
|  |                | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 2  | 20M | 1960   | 900   | 21.58 | 21.78 |
|  |                | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 2  | 20M | 1960   | 900   | 21.56 | 21.78 |
|  | CA_4A-4A-7A    | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 7  | 20M | 2655   | 3100  | 21.67 | 21.71 |
|  |                | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 7  | 20M | 2655   | 3100  | 21.67 | 21.7  |
|  |                | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 21.79 | 21.93 |
|  |                | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 21.77 | 21.93 |
|  | CA_4A-7A-7A    | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | Band 7  | 5M  | 2687.5 | 3425  | 21.66 | 21.71 |
|  |                | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | Band 7  | 5M  | 2687.5 | 3425  | 21.62 | 21.71 |
|  |                | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | Band 4  | 20M | 2132.5 | 2175  | 21.73 | 21.93 |
|  |                | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | Band 4  | 20M | 2132.5 | 2175  | 21.7  | 21.93 |
|  | CA_4A-46C      | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 21.66 | 21.71 |
|  |                | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 21.64 | 21.71 |
|  | CA_4A-46A-46A  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 21.58 | 21.71 |
|  |                | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 21.55 | 21.71 |
|  | CA_2A-46A-46A  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 21.19 | 21.38 |
|  |                | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 21.16 | 21.38 |
|  | CA_66A-46A-46A | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 21.69 | 21.78 |
|  |                | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 21.67 | 21.78 |
|  | CA_66A-46C     | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 21.72 | 21.78 |
|  |                | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 21.7  | 21.78 |
|  | CA_66A-66C     | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 21.77 | 21.78 |
|  |                | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 21.74 | 21.78 |



# FCC SAR TEST REPORT

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<Reduced power for Product specific>

<LAT>

| Configure  |              | PCC             |       |                |         |      |     |              | SCC1    |       |                |         | SCC2    |       |                |         | Power              |                    |
|------------|--------------|-----------------|-------|----------------|---------|------|-----|--------------|---------|-------|----------------|---------|---------|-------|----------------|---------|--------------------|--------------------|
|            |              | LTE             | BW    | UL             | UL      | Mod. | UL# | UL           | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | With CA            | Without CA         |
|            |              | Band            | (MHz) | Freq.<br>(MHz) | Channel |      | RB  | RB<br>Offset | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |
| Inter-Band | CA_2A-4A-7A  | Band 2          | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 20M   | 2655           | 3100    | 20.23              | 20.29              |
|            |              | Band 2(4*4MIMO) | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 20M   | 2655           | 3100    | 20.22              | 20.29              |
|            |              | Band 4          | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 7  | 20M   | 2655           | 3100    | Band 2  | 20M   | 1960           | 900     | 20.56              | 20.61              |
|            |              | Band 4(4*4MIMO) | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 7  | 20M   | 2655           | 3100    | Band 2  | 20M   | 1960           | 900     | 20.54              | 20.61              |
|            |              | Band 7          | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 2  | 20M   | 1960           | 900     | Band 4  | 20M   | 2132.5         | 2175    | 21.14              | 21.26              |
|            |              | Band 7(4*4MIMO) | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 2  | 20M   | 1960           | 900     | Band 4  | 20M   | 2132.5         | 2175    | 21.1               | 21.26              |
|            | CA_2A-4A-29A | Band 2          | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 29 | 10M   | 722.5          | 9715    | 20.11              | 20.29              |
|            |              | Band 2(4*4MIMO) | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 29 | 10M   | 722.5          | 9715    | 20.1               | 20.29              |
|            |              | Band 4          | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 29 | 10M   | 722.5          | 9715    | Band 2  | 20M   | 1960           | 900     | 20.44              | 20.61              |
|            |              | Band 4(4*4MIMO) | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 29 | 10M   | 722.5          | 9715    | Band 2  | 20M   | 1960           | 900     | 20.42              | 20.61              |

| Configure  |               | PCC              |       |                |         |      |     |              | SCC1    |       |                |         | SCC2    |       |                |         | Power              |                    |
|------------|---------------|------------------|-------|----------------|---------|------|-----|--------------|---------|-------|----------------|---------|---------|-------|----------------|---------|--------------------|--------------------|
|            |               | LTE              | BW    | UL             | UL      | Mod. | UL# | UL           | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | With CA            | Without CA         |
|            |               | Band             | (MHz) | Freq.<br>(MHz) | Channel |      | RB  | RB<br>Offset | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |
| Inter-Band | CA_2A-2A-4A   | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 4  | 20M   | 2132.5         | 2175    | 20.11              | 20.29              |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 4  | 20M   | 2132.5         | 2175    | 20.1               | 20.29              |
|            |               | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | 20.54              | 20.61              |
|            |               | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | 20.52              | 20.61              |
|            | CA_2A-4A-4A   | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 4  | 5M    | 2152.5         | 2375    | 20.26              | 20.29              |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 4  | 5M    | 2152.5         | 2375    | 20.24              | 20.29              |
|            |               | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 4  | 5M    | 2152.5         | 2375    | Band 2  | 20M   | 1960           | 900     | 20.59              | 20.61              |
|            |               | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 4  | 5M    | 2152.5         | 2375    | Band 2  | 20M   | 1960           | 900     | 20.56              | 20.61              |
|            | CA_2A-7A-7A   | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 7  | 20M   | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 20.19              | 20.29              |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 7  | 20M   | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 20.14              | 20.29              |
|            |               | Band 7           | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 7  | 5M    | 2622.5         | 2775    | Band 2  | 20M   | 1960           | 900     | 21.22              | 21.26              |
|            |               | Band 7(4*4MIMO)  | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 7  | 5M    | 2622.5         | 2775    | Band 2  | 20M   | 1960           | 900     | 21.2               | 21.26              |
|            | CA_2A-46C     | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 20.14              | 20.29              |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 20.1               | 20.29              |
|            | CA_2C-66A     | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 20M   | 1979.8         | 1098    | Band 66 | 20M   | 2155           | 66886   | 20.12              | 20.29              |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 20M   | 1979.8         | 1098    | Band 66 | 20M   | 2155           | 66886   | 20.1               | 20.29              |
|            |               | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 20M   | 1979.8         | 1098    | 20.51              | 20.68              |
|            |               | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 20M   | 1979.8         | 1098    | 20.48              | 20.68              |
|            | CA_2A-66C     | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 66 | 20M   | 2155           | 66886   | Band 66 | 20M   | 2174.8         | 67084   | 20.27              | 20.29              |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 66 | 20M   | 2155           | 66886   | Band 66 | 20M   | 2174.8         | 67084   | 20.23              | 20.29              |
|            |               | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 66 | 20M   | 2174.8         | 67084   | Band 2  | 20M   | 1960           | 900     | 20.65              | 20.68              |
|            |               | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 66 | 20M   | 2174.8         | 67084   | Band 2  | 20M   | 1960           | 900     | 20.62              | 20.68              |
|            | CA_2A-2A-66A  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2155           | 66886   | 20.23              | 20.29              |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2155           | 66886   | 20.2               | 20.29              |
|            |               | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | 20.67              | 20.68              |
|            |               | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | 20.63              | 20.68              |
|            | CA_2A-66A-66A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 20.11              | 20.29              |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 20.1               | 20.29              |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

|  |                |                  |     |        |        |      |   |    |         |     |        |       |         |     |        |       |       |       |
|--|----------------|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|---------|-----|--------|-------|-------|-------|
|  |                | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 2  | 20M | 1960   | 900   | 20.61 | 20.68 |
|  |                | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2197.5 | 67311 | Band 2  | 20M | 1960   | 900   | 20.6  | 20.68 |
|  | CA_4A-4A-7A    | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 7  | 20M | 2655   | 3100  | 20.56 | 20.61 |
|  |                | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 4  | 5M  | 2152.5 | 2375  | Band 7  | 20M | 2655   | 3100  | 20.52 | 20.61 |
|  |                | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 21.22 | 21.26 |
|  |                | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 4  | 20M | 2132.5 | 2175  | Band 4  | 5M  | 2152.5 | 2375  | 21.2  | 21.26 |
|  | CA_4A-7A-7A    | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | Band 7  | 5M  | 2687.5 | 3425  | 20.52 | 20.61 |
|  |                | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 7  | 20M | 2655   | 3100  | Band 7  | 5M  | 2687.5 | 3425  | 20.5  | 20.61 |
|  |                | Band 7           | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | Band 4  | 20M | 2132.5 | 2175  | 21.14 | 21.26 |
|  |                | Band 7(4*4MIMO)  | 20M | 2560   | 21350  | QPSK | 1 | 99 | Band 7  | 5M  | 2622.5 | 2775  | Band 4  | 20M | 2132.5 | 2175  | 21.11 | 21.26 |
|  | CA_4A-46C      | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 20.49 | 20.61 |
|  |                | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 20.43 | 20.61 |
|  | CA_4A-46A-46A  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 20.51 | 20.61 |
|  |                | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 20.48 | 20.61 |
|  | CA_2A-46A-46A  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 20.14 | 20.29 |
|  |                | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 20.12 | 20.29 |
|  | CA_66A-46A-46A | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 20.56 | 20.68 |
|  |                | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5905   | 54340 | 20.54 | 20.68 |
|  | CA_66A-46C     | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 20.66 | 20.68 |
|  |                | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 20.64 | 20.68 |
|  | CA_66A-66C     | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 20.59 | 20.68 |
|  |                | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 20.53 | 20.68 |

## <Downlink Four Carrier power verification>

<Full power>

<UAT>

| Configure  |                  | PCC              |       |             |         |      |     |        | SCC1    |       |             |         | SCC2    |       |             |         | SCC3    |       |             |         | Power           |                 |
|------------|------------------|------------------|-------|-------------|---------|------|-----|--------|---------|-------|-------------|---------|---------|-------|-------------|---------|---------|-------|-------------|---------|-----------------|-----------------|
|            |                  | LTE              | BW    | UL          | UL      | Mod. | UL# | UL     | LTE     | BW    | DL          | DL      | LTE     | BW    | DL          | DL      | LTE     | BW    | DL          | DL      | With CA         | Without CA      |
|            |                  | Band             | (MHz) | Freq. (MHz) | Channel |      | RB  | Offset | Band    | (MHz) | Freq. (MHz) | Channel | Band    | (MHz) | Freq. (MHz) | Channel | Band    | (MHz) | Freq. (MHz) | Channel | Tx. Power (dBm) | Tx. Power (dBm) |
| Inter-Band | CA_2A-2A-5A-66A  | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 2  | 5M    | 1987.5      | 1175    | Band 5  | 10M   | 881.5       | 2525    | Band 66 | 5M    | 2197.5      | 67311   | 21.95           | 21.99           |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 2  | 5M    | 1987.5      | 1175    | Band 5  | 10M   | 881.5       | 2525    | Band 66 | 5M    | 2197.5      | 67311   | 21.91           | 21.99           |
|            |                  | Band 5           | 10M   | 836.5       | 20525   | QPSK | 1   | 0      | Band 2  | 20M   | 1960        | 900     | Band 2  | 5M    | 1987.5      | 1175    | Band 66 | 5M    | 2197.5      | 67311   | 22.67           | 22.8            |
|            |                  | Band 66          | 20M   | 1745        | 132322  | QPSK | 1   | 0      | Band 2  | 20M   | 1960        | 900     | Band 2  | 5M    | 1987.5      | 1175    | Band 5  | 10M   | 881.5       | 2525    | 22.36           | 22.39           |
|            |                  | Band 66(4*4MIMO) | 20M   | 1745        | 132322  | QPSK | 1   | 0      | Band 2  | 20M   | 1960        | 900     | Band 2  | 5M    | 1987.5      | 1175    | Band 5  | 10M   | 881.5       | 2525    | 22.21           | 22.39           |
|            | CA_2A-2A-13A-66A | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 2  | 5M    | 1987.5      | 1175    | Band 13 | 10M   | 751         | 5230    | Band 66 | 5M    | 2197.5      | 67311   | 21.91           | 21.99           |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 2  | 5M    | 1987.5      | 1175    | Band 13 | 10M   | 751         | 5230    | Band 66 | 5M    | 2197.5      | 67311   | 21.89           | 21.99           |
|            |                  | Band 66          | 20M   | 1745        | 132322  | QPSK | 1   | 0      | Band 2  | 20M   | 1960        | 900     | Band 2  | 5M    | 1987.5      | 1175    | Band 13 | 10M   | 751         | 5230    | 22.34           | 22.39           |
|            |                  | Band 66(4*4MIMO) | 20M   | 1745        | 132322  | QPSK | 1   | 0      | Band 2  | 20M   | 1960        | 900     | Band 2  | 5M    | 1987.5      | 1175    | Band 13 | 10M   | 751         | 5230    | 22.26           | 22.39           |
|            |                  | Band 13          | 10M   | 782         | 23230   | QPSK | 1   | 25     | Band 66 | 5M    | 2197.5      | 67311   | Band 2  | 20M   | 1960        | 900     | Band 2  | 5M    | 1987.5      | 1175    | 22.47           | 22.59           |
|            | CA_2A-4A-7A-7A   | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 4  | 20M   | 2132.5      | 2175    | Band 7  | 20M   | 2655        | 3100    | Band 7  | 5M    | 2687.5      | 3425    | 21.79           | 21.99           |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 4  | 20M   | 2132.5      | 2175    | Band 7  | 20M   | 2655        | 3100    | Band 7  | 5M    | 2687.5      | 3425    | 21.68           | 21.99           |
|            |                  | Band 4           | 20M   | 1732.5      | 20175   | QPSK | 1   | 0      | Band 2  | 20M   | 1960        | 900     | Band 7  | 20M   | 2655        | 3100    | Band 7  | 5M    | 2687.5      | 3425    | 22.4            | 22.4            |
|            |                  | Band 4(4*4MIMO)  | 20M   | 1732.5      | 20175   | QPSK | 1   | 0      | Band 2  | 20M   | 1960        | 900     | Band 7  | 20M   | 2655        | 3100    | Band 7  | 5M    | 2687.5      | 3425    | 22.29           | 22.4            |
|            |                  | Band 7           | 20M   | 2560        | 21350   | QPSK | 1   | 99     | Band 2  | 20M   | 1960        | 900     | Band 4  | 20M   | 2132.5      | 2175    | Band 7  | 5M    | 2687.5      | 3425    | 21.09           | 21.15           |
|            |                  | Band 7(4*4MIMO)  | 20M   | 2560        | 21350   | QPSK | 1   | 99     | Band 2  | 20M   | 1960        | 900     | Band 4  | 20M   | 2132.5      | 2175    | Band 7  | 5M    | 2687.5      | 3425    | 21.03           | 21.15           |
|            | CA_2A-5A-66A-66A | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 5  | 10M   | 881.5       | 2525    | Band 66 | 20M   | 2155        | 66886   | Band 66 | 5M    | 2197.5      | 67311   | 21.89           | 21.99           |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0      | Band 5  | 10M   | 881.5       | 2525    | Band 66 | 20M   | 2155        | 66886   | Band 66 | 5M    | 2197.5      | 67311   | 21.81           | 21.99           |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

|  |                   |                  |     |        |        |      |   |    |         |     |        |       |         |     |        |       |         |     |        |       |       |       |
|--|-------------------|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|---------|-----|--------|-------|---------|-----|--------|-------|-------|-------|
|  |                   | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 66886 | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 22.78 | 22.8  |
|  |                   | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 5  | 10M | 881.5  | 2525  | Band 66 | 5M  | 2197.5 | 67311 | 22.32 | 22.39 |
|  |                   | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 5  | 10M | 881.5  | 2525  | Band 66 | 5M  | 2197.5 | 67311 | 22.25 | 22.39 |
|  |                   | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | Band 66 | 15M | 2155   | 66886 | Band 66 | 5M  | 2164.3 | 66979 | 21.89 | 21.99 |
|  | CA_2A-5A-66B      | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 5  | 10M | 881.5  | 2525  | Band 66 | 15M | 2155   | 66886 | Band 66 | 5M  | 2164.3 | 66979 | 21.8  | 21.99 |
|  |                   | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 66 | 15M | 2155   | 66886 | Band 66 | 5M  | 2164.3 | 66979 | Band 2  | 20M | 1960   | 900   | 22.76 | 22.8  |
|  |                   | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2164.3 | 66979 | Band 2  | 20M | 1960   | 900   | Band 5  | 10M | 881.5  | 2525  | 22.32 | 22.39 |
|  |                   | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2164.3 | 66979 | Band 2  | 20M | 1960   | 900   | Band 5  | 10M | 881.5  | 2525  | 22.31 | 22.39 |
|  | CA_2A-3A-66B      | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | Band 66 | 15M | 2155   | 66886 | Band 66 | 5M  | 2164.3 | 66979 | 21.86 | 21.99 |
|  |                   | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | Band 66 | 15M | 2155   | 66886 | Band 66 | 5M  | 2164.3 | 66979 | 21.79 | 21.99 |
|  |                   | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 66 | 15M | 2155   | 66886 | Band 66 | 5M  | 2164.3 | 66979 | Band 2  | 20M | 1960   | 900   | 22.54 | 22.59 |
|  |                   | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2164.3 | 66979 | Band 2  | 20M | 1960   | 900   | Band 13 | 10M | 751    | 5230  | 22.37 | 22.39 |
|  |                   | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 66 | 5M  | 2164.3 | 66979 | Band 2  | 20M | 1960   | 900   | Band 13 | 10M | 751    | 5230  | 22.26 | 22.39 |
|  |                   | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 21.78 | 21.99 |
|  |                   | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 21.71 | 21.99 |
|  |                   | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 2  | 20M | 1960   | 900   | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 23.36 | 23.42 |
|  | CA_2A-12A-66A-66A | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 12 | 10M | 737.5  | 5095  | Band 66 | 5M  | 2197.5 | 67311 | 22.37 | 22.39 |
|  |                   | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 12 | 10M | 737.5  | 5095  | Band 66 | 5M  | 2197.5 | 67311 | 22.24 | 22.39 |
|  |                   | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 21.78 | 21.99 |
|  |                   | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 21.65 | 21.99 |
|  | CA_2A-2A--66C     | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2174.8 | 67084 | 22.29 | 22.39 |
|  |                   | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2174.8 | 67084 | 22.16 | 22.39 |
|  |                   | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 5  | 10M | 881.5  | 2525  | Band 66 | 20M | 2174.8 | 67084 | 21.79 | 21.99 |
|  |                   | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 5  | 10M | 881.5  | 2525  | Band 66 | 20M | 2174.8 | 67084 | 21.62 | 21.99 |
|  | CA_2A-5A--66C     | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 22.68 | 22.8  |
|  |                   | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 5  | 10M | 881.5  | 2525  | 22.27 | 22.39 |
|  |                   | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 5  | 10M | 881.5  | 2525  | 22.06 | 22.39 |
|  |                   | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 21.75 | 21.99 |
|  | CA_2A-12A--66C    | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 21.63 | 21.99 |
|  |                   | Band 12          | 20M | 707.5  | 23095  | QPSK | 1 | 49 | Band 2  | 20M | 1960   | 900   | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 23.34 | 23.42 |
|  |                   | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2174.8 | 67084 | 22.37 | 22.39 |
|  |                   | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2174.8 | 67084 | 22.24 | 22.39 |
|  | CA_2A-13A--66C    | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 21.86 | 21.99 |
|  |                   | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 21.78 | 21.99 |
|  |                   | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 2  | 20M | 1960   | 900   | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 22.47 | 22.59 |
|  |                   | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2174.8 | 67084 | 22.34 | 22.39 |
|  |                   | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2174.8 | 67084 | 22.21 | 22.39 |
|  |                   | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | Band 71 | 20M | 637    | 68786 | 21.87 | 21.99 |
|  |                   | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | Band 71 | 20M | 637    | 68786 | 21.73 | 21.99 |
|  |                   | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 66 | 20M | 2174.8 | 66886 | Band 71 | 20M | 637    | 68786 | 22.32 | 22.39 |
|  | CA_2A-66C-71A     | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 66 | 20M | 2174.8 | 66886 | Band 71 | 20M | 637    | 68786 | 21.22 | 22.39 |
|  |                   | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 23.64 | 23.69 |
|  |                   | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | Band 71 | 20M | 637    | 68786 | 21.67 | 21.99 |
|  |                   | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | Band 71 | 20M | 637    | 68786 | 21.61 | 21.99 |
|  | CA_2A-66A-66A-71A | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 66 | 5M  | 2197.5 | 67311 | Band 71 | 20M | 637    | 68786 | 22.31 | 22.39 |
|  |                   | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 66 | 5M  | 2197.5 | 67311 | Band 71 | 20M | 637    | 68786 | 21.23 | 22.39 |
|  |                   | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 23.61 | 23.69 |
|  |                   | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 21.78 | 21.99 |
|  | CA_2A-46D         | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 21.75 | 21.99 |
|  |                   | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 22.32 | 22.4  |
|  | CA_4A-46D         | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 22.26 | 22.4  |
|  |                   | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2155   | 66886 | 21.78 | 21.99 |



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|                  |  |                  |     |       |        |      |   |    |         |     |        |       |         |     |        |       |         |     |        |       |       |       |
|------------------|--|------------------|-----|-------|--------|------|---|----|---------|-----|--------|-------|---------|-----|--------|-------|---------|-----|--------|-------|-------|-------|
|                  |  | Band 2(4*4MIMO)  | 20M | 1880  | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2155   | 66886 | 21.56 | 21.99 |
|                  |  | Band 12          | 10M | 707.5 | 23095  | QPSK | 1 | 49 | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | 23.34 | 23.42 |
|                  |  | Band 66          | 20M | 1745  | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 12 | 10M | 737.5  | 5095  | 22.34 | 22.39 |
|                  |  | Band 66(4*4MIMO) | 20M | 1745  | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 12 | 10M | 737.5  | 5095  | 22.29 | 22.39 |
| CA_2A-2A-13A-66A |  | Band 2           | 20M | 1880  | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2155   | 66886 | 21.68 | 21.99 |
|                  |  | Band 2(4*4MIMO)  | 20M | 1880  | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2155   | 66886 | 21.56 | 21.99 |
|                  |  | Band 13          | 10M | 782   | 23230  | QPSK | 1 | 25 | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | 22.46 | 22.59 |
|                  |  | Band 66          | 20M | 1745  | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | 22.34 | 22.39 |
| CA_2A-2A-66A-66A |  | Band 66(4*4MIMO) | 20M | 1745  | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | 22.19 | 22.39 |
|                  |  | Band 2           | 20M | 1880  | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 21.86 | 21.99 |
|                  |  | Band 2(4*4MIMO)  | 20M | 1880  | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 21.81 | 21.99 |
|                  |  | Band 66          | 20M | 1745  | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 5M  | 2197.5 | 67311 | 22.24 | 22.39 |
| CA_2C-66A-66A    |  | Band 66(4*4MIMO) | 20M | 1745  | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 5M  | 2197.5 | 67311 | 22.17 | 22.39 |
|                  |  | Band 2           | 20M | 1880  | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1979.8 | 1098  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 21.78 | 21.99 |
|                  |  | Band 2(4*4MIMO)  | 20M | 1880  | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1979.8 | 1098  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 21.65 | 21.99 |
|                  |  | Band 66          | 20M | 1745  | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 20M | 1979.8 | 1098  | Band 66 | 5M  | 2197.5 | 67311 | 22.32 | 22.39 |
| 2A-46A-46C       |  | Band 66(4*4MIMO) | 20M | 1745  | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 20M | 1979.8 | 1098  | Band 66 | 5M  | 2197.5 | 67311 | 22.24 | 22.39 |
|                  |  | Band 2           | 20M | 1880  | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 21.78 | 21.99 |
|                  |  | Band 2(4*4MIMO)  | 20M | 1880  | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 21.73 | 21.99 |
|                  |  | Band 2           | 20M | 1880  | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5160   | 46890 | Band 66 | 20M | 2155   | 66886 | 21.76 | 21.99 |
| 2A-46A-46A-66A   |  | Band 2(4*4MIMO)  | 20M | 1880  | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5160   | 46890 | Band 66 | 20M | 2155   | 66886 | 21.65 | 21.99 |
|                  |  | Band 66          | 20M | 1745  | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5160   | 46890 | Band 2  | 20M | 900    | 1960  | 22.36 | 22.39 |
|                  |  | Band 66(4*4MIMO) | 20M | 1745  | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5160   | 46890 | Band 2  | 20M | 900    | 1960  | 22.31 | 22.39 |
|                  |  | Band 66          | 20M | 1745  | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 22.29 | 22.39 |
| 66A-46A-46C      |  | Band 66(4*4MIMO) | 20M | 1745  | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 22.23 | 22.39 |
|                  |  | Band 66          | 20M | 1745  | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 22.31 | 22.39 |
|                  |  | Band 66(4*4MIMO) | 20M | 1745  | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 22.24 | 22.39 |
|                  |  | Band 2           | 20M | 1880  | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | Band 66 | 20M | 2155   | 66886 | 21.79 | 21.99 |
| 2A-46C-66A       |  | Band 2(4*4MIMO)  | 20M | 1880  | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | Band 66 | 20M | 2155   | 66886 | 21.62 | 21.99 |
|                  |  | Band 66          | 20M | 1745  | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 22.35 | 22.39 |
|                  |  | Band 66(4*4MIMO) | 20M | 1745  | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 22.23 | 22.39 |
|                  |  | Band 48          | 20M | 3609  | 55830  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 48 | 20M | 3628.8 | 56028 | Band 48 | 20M | 3648.6 | 56226 | 23.36 | 23.5  |
| 48D-66A          |  | Band 66          | 20M | 1745  | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3609   | 55830 | Band 48 | 20M | 3628.8 | 56028 | Band 48 | 20M | 3648.6 | 56226 | 22.35 | 22.39 |
|                  |  | Band 66(4*4MIMO) | 20M | 1745  | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3609   | 55830 | Band 48 | 20M | 3628.8 | 56028 | Band 48 | 20M | 3648.6 | 56226 | 22.31 | 22.39 |
|                  |  | Band 48          | 20M | 3609  | 55830  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 48 | 20M | 3628.8 | 56028 | Band 48 | 20M | 3648.6 | 56226 | 22.31 | 22.39 |
|                  |  | Band 66(4*4MIMO) | 20M | 1745  | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3609   | 55830 | Band 48 | 20M | 3628.8 | 56028 | Band 48 | 20M | 3648.6 | 56226 | 22.31 | 22.39 |



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<LAT>

| Configure  |                   | PCC              |       |                |         |      |     |              | SCC1    |       |                |         | SCC2    |       |                |         | SCC3    |       |                |         | Power              |                    |
|------------|-------------------|------------------|-------|----------------|---------|------|-----|--------------|---------|-------|----------------|---------|---------|-------|----------------|---------|---------|-------|----------------|---------|--------------------|--------------------|
|            |                   | LTE              | BW    | UL             | UL      | Mod. | UL# | UL           | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | With CA            | Without CA         |
|            |                   | Band             | (MHz) | Freq.<br>(MHz) | Channel |      | RB  | RB<br>Offset | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |
| Inter-Band | CA_2A-2A-5A-66A   | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 5  | 10M   | 881.5          | 2525    | Band 66 | 5M    | 2197.5         | 67311   | 23.11              | 23.31              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 5  | 10M   | 881.5          | 2525    | Band 66 | 5M    | 2197.5         | 67311   | 23.08              | 23.31              |
|            |                   | Band 5           | 10M   | 836.5          | 20525   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 5M    | 2197.5         | 67311   | 22.43              | 22.45              |
|            |                   | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 5  | 10M   | 881.5          | 2525    | 23.63              | 23.73              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 5  | 10M   | 881.5          | 2525    | 23.6               | 23.73              |
|            | CA_2A-2A-13A-66A  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 13 | 10M   | 751            | 5230    | Band 66 | 5M    | 2197.5         | 67311   | 23.23              | 23.31              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 13 | 10M   | 751            | 5230    | Band 66 | 5M    | 2197.5         | 67311   | 23.21              | 23.31              |
|            |                   | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 13 | 10M   | 751            | 5230    | 23.47              | 23.73              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 13 | 10M   | 751            | 5230    | 23.44              | 23.73              |
|            |                   | Band 13          | 10M   | 782            | 23230   | QPSK | 1   | 25           | Band 66 | 5M    | 2197.5         | 67311   | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | 22.01              | 22.06              |
|            | CA_2A-4A-7A-7A    | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 20M   | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 23.19              | 23.31              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 20M   | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 23.12              | 23.31              |
|            |                   | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 7  | 20M   | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 23.72              | 23.72              |
|            |                   | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 7  | 20M   | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 23.62              | 23.72              |
|            |                   | Band 7           | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 2  | 20M   | 1960           | 900     | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 5M    | 2687.5         | 3425    | 23.21              | 23.25              |
|            | CA_2A-5A-66A-66A  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 5  | 10M   | 881.5          | 2525    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 23.3               | 23.31              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 5  | 10M   | 881.5          | 2525    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 23.25              | 23.31              |
|            |                   | Band 5           | 10M   | 836.5          | 20525   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 66886   | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 22.3               | 22.45              |
|            |                   | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 5  | 10M   | 881.5          | 2525    | Band 66 | 5M    | 2197.5         | 67311   | 23.63              | 23.73              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 5  | 10M   | 881.5          | 2525    | Band 66 | 5M    | 2197.5         | 67311   | 23.59              | 23.73              |
|            | CA_2A-5A-66B      | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 5  | 10M   | 881.5          | 2525    | Band 66 | 15M   | 2155           | 66886   | Band 66 | 5M    | 2164.3         | 66979   | 23.24              | 23.31              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 5  | 10M   | 881.5          | 2525    | Band 66 | 15M   | 2155           | 66886   | Band 66 | 5M    | 2164.3         | 66979   | 23.22              | 23.31              |
|            |                   | Band 5           | 10M   | 836.5          | 20525   | QPSK | 1   | 0            | Band 66 | 15M   | 2155           | 66886   | Band 66 | 5M    | 2164.3         | 66979   | Band 2  | 20M   | 1960           | 900     | 22.26              | 22.45              |
|            |                   | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 66 | 5M    | 2164.3         | 66979   | Band 2  | 20M   | 1960           | 900     | Band 5  | 10M   | 881.5          | 2525    | 23.71              | 23.73              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 66 | 5M    | 2164.3         | 66979   | Band 2  | 20M   | 1960           | 900     | Band 5  | 10M   | 881.5          | 2525    | 23.68              | 23.73              |
|            | CA_2A-13A-66B     | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 13 | 10M   | 751            | 5230    | Band 66 | 15M   | 2155           | 66886   | Band 66 | 5M    | 2164.3         | 66979   | 23.3               | 23.31              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 13 | 10M   | 751            | 5230    | Band 66 | 15M   | 2155           | 66886   | Band 66 | 5M    | 2164.3         | 66979   | 23.28              | 23.31              |
|            |                   | Band 13          | 10M   | 782            | 23230   | QPSK | 1   | 25           | Band 66 | 15M   | 2155           | 66886   | Band 66 | 5M    | 2164.3         | 66979   | Band 2  | 20M   | 1960           | 900     | 22.02              | 22.06              |
|            |                   | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 66 | 5M    | 2164.3         | 66979   | Band 2  | 20M   | 1960           | 900     | Band 13 | 10M   | 751            | 5230    | 23.7               | 23.73              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 66 | 5M    | 2164.3         | 66979   | Band 2  | 20M   | 1960           | 900     | Band 13 | 10M   | 751            | 5230    | 23.66              | 23.73              |
|            | CA_2A-12A-66A-66A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 12 | 10M   | 737.5          | 5095    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 23.24              | 23.31              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 12 | 10M   | 737.5          | 5095    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 23.21              | 23.31              |
|            |                   | Band 12          | 10M   | 707.5          | 23095   | QPSK | 1   | 49           | Band 2  | 20M   | 1960           | 900     | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 22.95              | 23.01              |
|            |                   | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 12 | 10M   | 737.5          | 5095    | Band 66 | 5M    | 2197.5         | 67311   | 23.71              | 23.73              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 12 | 10M   | 737.5          | 5095    | Band 66 | 5M    | 2197.5         | 67311   | 23.67              | 23.73              |
|            | CA_2A-2A--66C     | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 20M   | 2174.8         | 67084   | 23.23              | 23.31              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 20M   | 2174.8         | 67084   | 23.17              | 23.31              |
|            |                   | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2174.8         | 67084   | 23.67              | 23.73              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2174.8         | 67084   | 23.59              | 23.73              |
|            |                   | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 5  | 10M   | 881.5          | 2525    | Band 66 | 20M   | 2174.8         | 67084   | 23.21              | 23.31              |
|            | CA_2A-5A--66C     | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 5  | 10M   | 881.5          | 2525    | Band 66 | 20M   | 2174.8         | 67084   | 23.18              | 23.31              |
|            |                   | Band 5           | 10M   | 836.5          | 20525   | QPSK | 1   | 0            | Band 66 | 20M   | 2174.8         | 67084   | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | 22.43              | 22.45              |
|            |                   | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 5  | 10M   | 881.5          | 2525    | 23.7               | 23.73              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 5  | 10M   | 881.5          | 2525    | 23.68              | 23.73              |
|            |                   | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 12 | 10M   | 737.5          | 5095    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 20M   | 2174.8         | 67084   | 23.25              | 23.31              |
|            | CA_2A-12A--66C    | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 12 | 10M   | 737.5          | 5095    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 20M   | 2174.8         | 67084   | 23.22              | 23.31              |
|            |                   | Band 12          | 20M   | 707.5          | 23095   | QPSK | 1   | 49           | Band 2  | 20M   | 1960           | 900     | Band 66 | 20M   | 2155           | 66886   | Band 66 | 20M   | 2174.8         | 67084   | 22.93              | 23.01              |
|            |                   | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 12 | 10M   | 737.5          | 5095    | Band 66 | 20M   | 2174.8         | 67084   | 23.59              | 23.73              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 12 | 10M   | 737.5          | 5095    | Band 66 | 20M   | 2174.8         | 67084   | 23.55              | 23.73              |
|            |                   | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 13 | 10M   | 751            | 5230    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 20M   | 2174.8         | 67084   | 23.26              | 23.31              |
|            | CA_2A-13A--66C    | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 13 | 10M   | 751            | 5230    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 20M   | 2174.8         | 67084   | 23.23              | 23.31              |
|            |                   | Band 13          | 10M   | 782            | 23230   | QPSK | 1   | 25           | Band 2  | 20M   | 1960           | 900     | Band 66 | 20M   | 2155           | 66886   | Band 66 | 20M   | 2174.8         | 67084   | 21.99              | 22.06              |
|            |                   | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 13 | 10M   | 751            | 5230    | Band 66 | 20M   | 2174.8         | 67084   | 23.65              | 23.73              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 13 | 10M   | 751            | 5230    | Band 66 | 20M   | 2174.8         | 67084   | 23.613             |                    |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

|                   |                  |     |        |        |      |   |    |         |     |        |       |         |     |        |       |         |     |        |       |       |       |
|-------------------|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|---------|-----|--------|-------|---------|-----|--------|-------|-------|-------|
| CA_2A-66C-71A     | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | Band 71 | 20M | 637    | 68786 | 23.17 | 23.31 |
|                   | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | Band 71 | 20M | 637    | 68786 | 23.16 | 23.31 |
|                   | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 66 | 20M | 2174.8 | 66886 | Band 71 | 20M | 637    | 68786 | 23.68 | 23.73 |
|                   | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 66 | 20M | 2174.8 | 66886 | Band 71 | 20M | 637    | 68786 | 23.62 | 23.73 |
|                   | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 23.43 | 23.43 |
| CA_2A-66A-66A-71A | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | Band 71 | 20M | 637    | 68786 | 23.27 | 23.31 |
|                   | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | Band 71 | 20M | 637    | 68786 | 23.24 | 23.31 |
|                   | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 66 | 5M  | 2197.5 | 67311 | Band 71 | 20M | 637    | 68786 | 23.69 | 23.73 |
|                   | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 66 | 5M  | 2197.5 | 67311 | Band 71 | 20M | 637    | 68786 | 23.67 | 23.73 |
|                   | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 23.37 | 23.43 |
| CA_2A-46D         | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 23.24 | 23.31 |
|                   | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 23.2  | 23.31 |
| CA_4A-46D         | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 23.65 | 23.72 |
|                   | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 23.62 | 23.72 |
| CA_2A-2A-12A-66A  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2155   | 66886 | 23.28 | 23.31 |
|                   | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2155   | 66886 | 23.24 | 23.31 |
|                   | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | 22.91 | 23.01 |
|                   | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 12 | 10M | 737.5  | 5095  | 23.62 | 23.73 |
|                   | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 12 | 10M | 737.5  | 5095  | 23.6  | 23.73 |
| CA_2A-2A-13A-66A  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2155   | 66886 | 23.24 | 23.31 |
|                   | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2155   | 66886 | 23.18 | 23.31 |
|                   | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | 21.97 | 22.06 |
|                   | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | 23.66 | 23.73 |
|                   | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | 23.65 | 23.73 |
| CA_2A-2A-66A-66A  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 23.23 | 23.31 |
|                   | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 23.2  | 23.31 |
|                   | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 5M  | 2197.5 | 67311 | 23.68 | 23.73 |
|                   | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 5M  | 2197.5 | 67311 | 23.64 | 23.73 |
| CA_2C-66A-66A     | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1979.8 | 1098  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 23.19 | 23.31 |
|                   | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1979.8 | 1098  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 23.17 | 23.31 |
|                   | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 20M | 1979.8 | 1098  | Band 66 | 5M  | 2197.5 | 67311 | 23.59 | 23.73 |
|                   | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 20M | 1979.8 | 1098  | Band 66 | 5M  | 2197.5 | 67311 | 23.57 | 23.73 |
| 2A-46A-46C        | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 23.28 | 23.31 |
|                   | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 23.23 | 23.31 |
| 2A-46A-46A-66A    | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5160   | 46890 | Band 66 | 20M | 2155   | 66886 | 23.27 | 23.31 |
|                   | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5160   | 46890 | Band 66 | 20M | 2155   | 66886 | 23.25 | 23.31 |
|                   | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5160   | 46890 | Band 2  | 20M | 900    | 1960  | 23.71 | 23.73 |
|                   | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5160   | 46890 | Band 2  | 20M | 900    | 1960  | 23.69 | 23.73 |
| 66A-46A-46C       | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 23.68 | 23.73 |
|                   | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 23.64 | 23.73 |
| 2A-46C-66A        | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 23.66 | 23.73 |
|                   | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 23.62 | 23.73 |
|                   | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | Band 66 | 20M | 2155   | 66886 | 23.24 | 23.31 |
|                   | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | Band 66 | 20M | 2155   | 66886 | 23.21 | 23.31 |
| 66A-46D           | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 23.59 | 23.73 |
|                   | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 23.57 | 23.73 |



<Reduced power mode 1 for At-Head>  
<UAT>

| Configure  |                  | PCC              |       |                |         |      |     |              | SCC1    |       |                |         | SCC2    |       |                |         | SCC3    |       |                |         | Power              |                    |
|------------|------------------|------------------|-------|----------------|---------|------|-----|--------------|---------|-------|----------------|---------|---------|-------|----------------|---------|---------|-------|----------------|---------|--------------------|--------------------|
|            |                  | LTE              | BW    | UL             | UL      | Mod. | UL# | UL           | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | With CA            | Without CA         |
|            |                  | Band             | (MHz) | Freq.<br>(MHz) | Channel |      | RB  | RB<br>Offset | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |
| Inter-Band | CA_2A-4A-7A-7A   | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 20M   | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 16.9               | 16.92              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 20M   | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 16.83              | 16.92              |
|            |                  | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 7  | 20M   | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 17.85              | 17.95              |
|            |                  | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 7  | 20M   | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 17.81              | 17.95              |
|            |                  | Band 7           | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 2  | 20M   | 1960           | 900     | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 5M    | 2687.5         | 3425    | 17.56              | 17.7               |
|            |                  | Band 7(4*4MIMO)  | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 2  | 20M   | 1960           | 900     | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 5M    | 2687.5         | 3425    | 17.49              | 17.7               |
|            | CA_2A-2A--66C    | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 20M   | 2174.8         | 67084   | 16.77              | 16.92              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 20M   | 2174.8         | 67084   | 16.73              | 16.92              |
|            |                  | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2174.8         | 67084   | 17.76              | 17.91              |
|            |                  | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2174.8         | 67084   | 17.7               | 17.91              |
|            | CA_2A-46D        | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 16.8               | 16.92              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 16.75              | 16.92              |
|            | CA_4A-46D        | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 17.78              | 17.95              |
|            |                  | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 17.69              | 17.95              |
|            | CA_2A-2A-66A-66A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 16.81              | 16.92              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 16.74              | 16.92              |
|            |                  | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 5M    | 2197.5         | 67311   | 17.72              | 17.91              |
|            |                  | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 5M    | 2197.5         | 67311   | 17.65              | 17.91              |
|            | CA_2C-66A-66A    | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 20M   | 1979.8         | 1098    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 16.91              | 16.92              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 20M   | 1979.8         | 1098    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 16.86              | 16.92              |
|            |                  | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 20M   | 1979.8         | 1098    | Band 66 | 5M    | 2197.5         | 67311   | 17.9               | 17.91              |
|            |                  | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 20M   | 1979.8         | 1098    | Band 66 | 5M    | 2197.5         | 67311   | 17.82              | 17.91              |
|            | 2A-46A-46C       | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 16.89              | 16.92              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 16.77              | 16.92              |
|            | 2A-46A-46A-66A   | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5160           | 46890   | Band 66 | 20M   | 2155           | 66886   | 16.74              | 16.92              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5160           | 46890   | Band 66 | 20M   | 2155           | 66886   | 16.67              | 16.92              |
|            |                  | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5160           | 46890   | Band 2  | 20M   | 900            | 1960    | 17.87              | 17.91              |
|            |                  | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5160           | 46890   | Band 2  | 20M   | 900            | 1960    | 17.82              | 17.91              |
|            | 66A-46A-46C      | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 17.85              | 17.91              |
|            |                  | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 17.77              | 17.91              |
|            | 2A-46C-66A       | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 46 | 20M   | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 17.76              | 17.91              |
|            |                  | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 46 | 20M   | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 17.72              | 17.91              |
|            |                  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | Band 66 | 20M   | 2155           | 66886   | 16.84              | 16.92              |
|            | 66A-46D          | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | Band 66 | 20M   | 2155           | 66886   | 16.81              | 16.92              |
|            |                  | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 17.76              | 17.91              |
|            | 48D-66A          | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 17.72              | 17.91              |
|            |                  | Band 48          | 20M   | 3609           | 55830   | QPSK | 1   | 0            | Band 66 | 20M   | 2155           | 66886   | Band 48 | 20M   | 3628.8         | 56028   | Band 48 | 20M   | 3648.6         | 56226   | 16.75              | 16.94              |
|            |                  | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 48 | 20M   | 3609           | 55830   | Band 48 | 20M   | 3628.8         | 56028   | Band 48 | 20M   | 3648.6         | 56226   | 17.8               | 17.91              |
|            |                  | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 48 | 20M   | 3609           | 55830   | Band 48 | 20M   | 3628.8         | 56028   | Band 48 | 20M   | 3648.6         | 56226   | 17.74              | 17.91              |



<Reduced power mode 2 for At-Head with 2.4GHz Wifi>  
<UAT>

| Configure  |                   | PCC              |       |                |         |      |     |              | SCC1    |       |                |         | SCC2    |       |                |         | SCC3    |       |                |         | Power              |                    |
|------------|-------------------|------------------|-------|----------------|---------|------|-----|--------------|---------|-------|----------------|---------|---------|-------|----------------|---------|---------|-------|----------------|---------|--------------------|--------------------|
|            |                   | LTE              | BW    | UL             | UL      | Mod. | UL# | UL           | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | With CA            | Without CA         |
|            |                   | Band             | (MHz) | Freq.<br>(MHz) | Channel |      | RB  | RB<br>Offset | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |
| Inter-Band | CA_2A-2A-5A-66A   | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 5  | 10M   | 881.5          | 2525    | Band 66 | 5M    | 2197.5         | 67311   | 17.29              | 17.38              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 5  | 10M   | 881.5          | 2525    | Band 66 | 5M    | 2197.5         | 67311   | 17.21              | 17.38              |
|            |                   | Band 5           | 10M   | 836.5          | 20525   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 5M    | 2197.5         | 67311   | 21.22              | 21.35              |
|            |                   | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 5  | 10M   | 881.5          | 2525    | 17.8               | 17.91              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 5  | 10M   | 881.5          | 2525    | 17.75              | 17.91              |
|            | CA_2A-2A-13A-66A  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 13 | 10M   | 751            | 5230    | Band 66 | 5M    | 2197.5         | 67311   | 17.24              | 17.38              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 13 | 10M   | 751            | 5230    | Band 66 | 5M    | 2197.5         | 67311   | 17.21              | 17.38              |
|            |                   | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 13 | 10M   | 751            | 5230    | 17.72              | 17.91              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 13 | 10M   | 751            | 5230    | 17.66              | 17.91              |
|            |                   | Band 13          | 10M   | 782            | 23230   | QPSK | 1   | 25           | Band 66 | 5M    | 2197.5         | 67311   | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | 19.9               | 20.05              |
|            | CA_2A-4A-7A-7A    | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 20M   | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 17.34              | 17.38              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 20M   | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 17.32              | 17.38              |
|            |                   | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 7  | 20M   | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 18.25              | 18.39              |
|            |                   | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 7  | 20M   | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 18.22              | 18.39              |
|            |                   | Band 7           | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 2  | 20M   | 1960           | 900     | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 5M    | 2687.5         | 3425    | 18.1               | 18.18              |
|            |                   | Band 7(4*4MIMO)  | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 2  | 20M   | 1960           | 900     | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 5M    | 2687.5         | 3425    | 18.06              | 18.18              |
|            |                   | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 5  | 10M   | 881.5          | 2525    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 17.25              | 17.38              |
|            | CA_2A-5A-66A-66A  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 5  | 10M   | 881.5          | 2525    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 17.24              | 17.38              |
|            |                   | Band 5           | 10M   | 836.5          | 20525   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 66886   | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 21.18              | 21.35              |
|            |                   | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 5  | 10M   | 881.5          | 2525    | Band 66 | 5M    | 2197.5         | 67311   | 17.85              | 17.91              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 5  | 10M   | 881.5          | 2525    | Band 66 | 5M    | 2197.5         | 67311   | 17.82              | 17.91              |
|            | CA_2A-5A-66B      | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 5  | 10M   | 881.5          | 2525    | Band 66 | 15M   | 2155           | 66886   | Band 66 | 5M    | 2164.3         | 66979   | 17.19              | 17.38              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 5  | 10M   | 881.5          | 2525    | Band 66 | 15M   | 2155           | 66886   | Band 66 | 5M    | 2164.3         | 66979   | 17.13              | 17.38              |
|            |                   | Band 5           | 10M   | 836.5          | 20525   | QPSK | 1   | 0            | Band 66 | 15M   | 2155           | 66886   | Band 66 | 5M    | 2164.3         | 66979   | Band 2  | 20M   | 1960           | 900     | 21.34              | 21.35              |
|            |                   | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 66 | 5M    | 2164.3         | 66979   | Band 2  | 20M   | 1960           | 900     | Band 5  | 10M   | 881.5          | 2525    | 17.83              | 17.91              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 66 | 5M    | 2164.3         | 66979   | Band 2  | 20M   | 1960           | 900     | Band 5  | 10M   | 881.5          | 2525    | 17.77              | 17.91              |
|            |                   | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 13 | 10M   | 751            | 5230    | Band 66 | 15M   | 2155           | 66886   | Band 66 | 5M    | 2164.3         | 66979   | 17.31              | 17.38              |
|            | CA_2A-3A-66B      | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 13 | 10M   | 751            | 5230    | Band 66 | 15M   | 2155           | 66886   | Band 66 | 5M    | 2164.3         | 66979   | 17.26              | 17.38              |
|            |                   | Band 13          | 10M   | 782            | 23230   | QPSK | 1   | 25           | Band 66 | 15M   | 2155           | 66886   | Band 66 | 5M    | 2164.3         | 66979   | Band 2  | 20M   | 1960           | 900     | 20.03              | 20.05              |
|            |                   | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 66 | 5M    | 2164.3         | 66979   | Band 2  | 20M   | 1960           | 900     | Band 13 | 10M   | 751            | 5230    | 17.84              | 17.91              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 66 | 5M    | 2164.3         | 66979   | Band 2  | 20M   | 1960           | 900     | Band 13 | 10M   | 751            | 5230    | 17.81              | 17.91              |
|            |                   | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 12 | 10M   | 737.5          | 5095    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 17.34              | 17.38              |
|            | CA_2A-12A-66A-66A | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 12 | 10M   | 737.5          | 5095    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 17.29              | 17.38              |
|            |                   | Band 12          | 10M   | 707.5          | 23095   | QPSK | 1   | 49           | Band 2  | 20M   | 1960           | 900     | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 22.61              | 22.77              |
|            |                   | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 12 | 10M   | 737.5          | 5095    | Band 66 | 5M    | 2197.5         | 67311   | 17.76              | 17.91              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 12 | 10M   | 737.5          | 5095    | Band 66 | 5M    | 2197.5         | 67311   | 17.71              | 17.91              |
|            | CA_2A-2A--66C     | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 20M   | 2174.8         | 67084   | 17.25              | 17.38              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 20M   | 2174.8         | 67084   | 17.22              | 17.38              |
|            |                   | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2174.8         | 67084   | 17.86              | 17.91              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2174.8         | 67084   | 17.82              | 17.91              |
|            | CA_2A-5A--66C     | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 5  | 10M   | 881.5          | 2525    | Band 66 | 20M   | 2174.8         | 67084   | 17.28              | 17.38              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 5  | 10M   | 881.5          | 2525    | Band 66 | 20M   | 2174.8         | 67084   | 17.21              | 17.38              |
|            |                   | Band 5           | 10M   | 836.5          | 20525   | QPSK | 1   | 0            | Band 66 | 20M   | 2174.8         | 67084   | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | 21.33              | 21.35              |
|            |                   | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 5  | 10M   | 881.5          | 2525    | 17.87              | 17.91              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 5  | 10M   | 881.5          | 2525    | 17.86              | 17.91              |
|            | CA_2A-12A--66C    | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 12 | 10M   | 737.5          | 5095    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 20M   | 2174.8         | 67084   | 17.33              | 17.38              |



# FCC SAR TEST REPORT

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|                  |  |                  |     |        |        |      |   |    |         |     |        |       |         |     |        |       |         |     |        |       |       |       |
|------------------|--|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|---------|-----|--------|-------|---------|-----|--------|-------|-------|-------|
|                  |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 17.31 | 17.38 |
|                  |  | Band 12          | 20M | 707.5  | 23095  | QPSK | 1 | 49 | Band 2  | 20M | 1960   | 900   | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 22.6  | 22.77 |
|                  |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2174.8 | 67084 | 17.72 | 17.91 |
|                  |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2174.8 | 67084 | 17.68 | 17.91 |
| CA_2A-13A--66C   |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 17.37 | 17.38 |
|                  |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 17.32 | 17.38 |
|                  |  | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 2  | 20M | 1960   | 900   | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 19.89 | 20.05 |
|                  |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2174.8 | 67084 | 17.9  | 17.91 |
|                  |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2174.8 | 67084 | 17.85 | 17.91 |
|                  |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 17.19 | 17.38 |
|                  |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 17.14 | 17.38 |
|                  |  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 18.25 | 18.39 |
| CA_4A-46D        |  | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 18.21 | 18.39 |
|                  |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2155   | 66886 | 17.19 | 17.38 |
| CA_2A-2A-12A-66A |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2155   | 66886 | 17.12 | 17.38 |
|                  |  | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | 22.65 | 22.77 |
|                  |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 12 | 10M | 737.5  | 5095  | 17.84 | 17.91 |
|                  |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 12 | 10M | 737.5  | 5095  | 17.8  | 17.91 |
| CA_2A-2A-13A-66A |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2155   | 66886 | 17.29 | 17.38 |
|                  |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2155   | 66886 | 17.24 | 17.38 |
|                  |  | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | 20.04 | 20.05 |
|                  |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | 17.89 | 17.91 |
|                  |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | 17.85 | 17.91 |
|                  |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 17.35 | 17.38 |
|                  |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 17.31 | 17.38 |
|                  |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 5M  | 2197.5 | 67311 | 17.74 | 17.91 |
| CA_2A-2A-66A-66A |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 5M  | 2197.5 | 67311 | 17.72 | 17.91 |
|                  |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1979.8 | 1098  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 17.34 | 17.38 |
|                  |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1979.8 | 1098  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 17.28 | 17.38 |
|                  |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 20M | 1979.8 | 1098  | Band 66 | 5M  | 2197.5 | 67311 | 17.89 | 17.91 |
| CA_2C-66A-66A    |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 20M | 1979.8 | 1098  | Band 66 | 5M  | 2197.5 | 67311 | 17.85 | 17.91 |
|                  |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 17.36 | 17.38 |
|                  |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 17.32 | 17.38 |
|                  |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5160   | 46890 | Band 66 | 20M | 2155   | 66886 | 17.18 | 17.38 |
| 2A-46A-46C       |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5160   | 46890 | Band 66 | 20M | 2155   | 66886 | 17.14 | 17.38 |
|                  |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5160   | 46890 | Band 2  | 20M | 900    | 1960  | 17.74 | 17.91 |
|                  |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5160   | 46890 | Band 2  | 20M | 900    | 1960  | 17.71 | 17.91 |
|                  |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 17.88 | 17.91 |
| 66A-46A-46C      |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 17.82 | 17.91 |
|                  |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 17.81 | 17.91 |
|                  |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 17.77 | 17.91 |
|                  |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | Band 66 | 20M | 2155   | 66886 | 17.34 | 17.38 |
| 2A-46C-66A       |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | Band 66 | 20M | 2155   | 66886 | 17.28 | 17.38 |
|                  |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 17.79 | 17.91 |
|                  |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 17.72 | 17.91 |
|                  |  | Band 48          | 20M | 3609   | 55830  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 48 | 20M | 3628.8 | 56028 | Band 48 | 20M | 3648.6 | 56226 | 16.93 | 16.94 |
| 48D-66A          |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3609   | 55830 | Band 48 | 20M | 3628.8 | 56028 | Band 48 | 20M | 3648.6 | 56226 | 17.82 | 17.91 |
|                  |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 48 | 20M | 3609   | 55830 | Band 48 | 20M | 3628.8 | 56028 | Band 48 | 20M | 3648.6 | 56226 | 17.76 | 17.91 |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

<Reduced power mode 2 for At-Head with 5GHz Wifi>  
<UAT>

| Configure  |                  | PCC              |       |                |         |      |     |              | SCC1    |       |                |         | SCC2    |       |                |         | SCC3    |       |                |         | Power              |                    |
|------------|------------------|------------------|-------|----------------|---------|------|-----|--------------|---------|-------|----------------|---------|---------|-------|----------------|---------|---------|-------|----------------|---------|--------------------|--------------------|
|            |                  | LTE              | BW    | UL             | UL      | Mod. | UL# | UL           | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | With CA            | Without CA         |
|            |                  | Band             | (MHz) | Freq.<br>(MHz) | Channel |      | RB  | RB<br>Offset | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |
| Inter-Band | CA_2A-2A-13A-66A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 13 | 10M   | 751            | 5230    | Band 66 | 5M    | 2197.5         | 67311   | 17.29              | 17.38              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 13 | 10M   | 751            | 5230    | Band 66 | 5M    | 2197.5         | 67311   | 17.26              | 17.38              |
|            |                  | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 13 | 10M   | 751            | 5230    | 17.81              | 17.91              |
|            |                  | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 13 | 10M   | 751            | 5230    | 17.75              | 17.91              |
|            |                  | Band 13          | 10M   | 782            | 23230   | QPSK | 1   | 25           | Band 66 | 5M    | 2197.5         | 67311   | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | 21.6               | 21.61              |
|            | CA_2A-4A-7A-7A   | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 20M   | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 17.29              | 17.38              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 20M   | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 17.24              | 17.38              |
|            |                  | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 7  | 20M   | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 17.79              | 17.95              |
|            |                  | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 7  | 20M   | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 17.75              | 17.95              |
|            |                  | Band 7           | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 2  | 20M   | 1960           | 900     | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 5M    | 2687.5         | 3425    | 17.6               | 17.7               |
|            | CA_2A-3A-66B     | Band 7(4*4MIMO)  | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 2  | 20M   | 1960           | 900     | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 5M    | 2687.5         | 3425    | 17.56              | 17.7               |
|            |                  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 13 | 10M   | 751            | 5230    | Band 66 | 15M   | 2155           | 66886   | Band 66 | 5M    | 2164.3         | 66979   | 17.33              | 17.38              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 13 | 10M   | 751            | 5230    | Band 66 | 15M   | 2155           | 66886   | Band 66 | 5M    | 2164.3         | 66979   | 17.29              | 17.38              |
|            |                  | Band 13          | 10M   | 782            | 23230   | QPSK | 1   | 25           | Band 66 | 15M   | 2155           | 66886   | Band 66 | 5M    | 2164.3         | 66979   | Band 2  | 20M   | 1960           | 900     | 21.41              | 21.61              |
|            |                  | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 66 | 5M    | 2164.3         | 66979   | Band 2  | 20M   | 1960           | 900     | Band 13 | 10M   | 751            | 5230    | 17.72              | 17.91              |
|            | CA_2A-2A--66C    | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 66 | 5M    | 2164.3         | 66979   | Band 2  | 20M   | 1960           | 900     | Band 13 | 10M   | 751            | 5230    | 17.65              | 17.91              |
|            |                  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 20M   | 2174.8         | 67084   | 17.22              | 17.38              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 20M   | 2174.8         | 67084   | 17.19              | 17.38              |
|            |                  | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2174.8         | 67084   | 17.8               | 17.91              |
|            |                  | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2174.8         | 67084   | 17.76              | 17.91              |
|            | CA_2A-13A--66C   | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 13 | 10M   | 751            | 5230    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 20M   | 2174.8         | 67084   | 17.19              | 17.38              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 13 | 10M   | 751            | 5230    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 20M   | 2174.8         | 67084   | 17.14              | 17.38              |
|            |                  | Band 13          | 10M   | 782            | 23230   | QPSK | 1   | 25           | Band 2  | 20M   | 1960           | 900     | Band 66 | 20M   | 2155           | 66886   | Band 66 | 20M   | 2174.8         | 67084   | 21.6               | 21.61              |
|            |                  | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 13 | 10M   | 751            | 5230    | Band 66 | 20M   | 2174.8         | 67084   | 17.89              | 17.91              |
|            |                  | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 13 | 10M   | 751            | 5230    | Band 66 | 20M   | 2174.8         | 67084   | 17.87              | 17.91              |
|            | CA_2A-46D        | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 17.37              | 17.38              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 17.34              | 17.38              |
|            | CA_4A-46D        | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 17.86              | 17.95              |
|            |                  | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 17.82              | 17.95              |
|            | CA_2A-2A-13A-66A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 13 | 10M   | 751            | 5230    | Band 66 | 20M   | 2155           | 66886   | 17.36              | 17.38              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 13 | 10M   | 751            | 5230    | Band 66 | 20M   | 2155           | 66886   | 17.31              | 17.38              |
|            |                  | Band 13          | 10M   | 782            | 23230   | QPSK | 1   | 25           | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2155           | 66886   | 21.46              | 21.61              |
|            |                  | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 13 | 10M   | 751            | 5230    | 17.83              | 17.91              |
|            |                  | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 13 | 10M   | 751            | 5230    | 17.8               | 17.91              |
|            | CA_2A-2A-66A-66A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 17.2               | 17.38              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 17.18              | 17.38              |
|            |                  | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 5M    | 2197.5         | 67311   | 17.86              | 17.91              |
|            |                  | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 5M    | 2197.5         | 67311   | 17.82              | 17.91              |
|            |                  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 20M   | 1979.8         | 1098    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 17.18              | 17.38              |
|            | CA_2C-66A-66A    | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 20M   | 1979.8         | 1098    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 17.14              | 17.38              |
|            |                  | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 20M   | 1979.8         | 1098    | Band 66 | 5M    | 2197.5         | 67311   | 17.76              | 17.91              |
|            |                  | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 20M   | 1979.8         | 1098    | Band 66 | 5M    | 2197.5         | 67311   | 17.71              | 17.91              |
|            |                  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 17.26              | 17.38              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 17.22              | 17.38              |
|            | 2A-46A-46A-66A   | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5160           | 46890   | Band 66 | 20M   | 2155           | 66886   | 17.35              | 17.38              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5160           | 46890   | Band 66 | 20M   | 2155           | 66886   | 17.3               | 17.38              |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

|  |             |                  |     |      |        |      |   |   |         |     |        |       |         |     |        |       |         |     |        |       |       |       |
|--|-------------|------------------|-----|------|--------|------|---|---|---------|-----|--------|-------|---------|-----|--------|-------|---------|-----|--------|-------|-------|-------|
|  |             | Band 66          | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5160   | 46890 | Band 2  | 20M | 900    | 1960  | 17.76 | 17.91 |
|  |             | Band 66(4*4MIMO) | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5160   | 46890 | Band 2  | 20M | 900    | 1960  | 17.75 | 17.91 |
|  | 66A-46A-46C | Band 66          | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 17.8  | 17.91 |
|  |             | Band 66(4*4MIMO) | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 17.74 | 17.91 |
|  | 2A-46C-66A  | Band 66          | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 2  | 20M | 1960   | 900   | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 17.77 | 17.91 |
|  |             | Band 66(4*4MIMO) | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 2  | 20M | 1960   | 900   | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 17.73 | 17.91 |
|  |             | Band 2           | 20M | 1880 | 18900  | QPSK | 1 | 0 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | Band 66 | 20M | 2155   | 66886 | 17.29 | 17.38 |
|  |             | Band 2(4*4MIMO)  | 20M | 1880 | 18900  | QPSK | 1 | 0 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | Band 66 | 20M | 2155   | 66886 | 17.25 | 17.38 |
|  | 66A-46D     | Band 66          | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 17.73 | 17.91 |
|  |             | Band 66(4*4MIMO) | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 17.68 | 17.91 |
|  | 48D-66A     | Band 48          | 20M | 3609 | 55830  | QPSK | 1 | 0 | Band 66 | 20M | 2155   | 66886 | Band 48 | 20M | 3628.8 | 56028 | Band 48 | 20M | 3648.6 | 56226 | 16.93 | 16.94 |
|  |             | Band 66          | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 48 | 20M | 3609   | 55830 | Band 48 | 20M | 3628.8 | 56028 | Band 48 | 20M | 3648.6 | 56226 | 17.78 | 17.91 |
|  |             | Band 66(4*4MIMO) | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 48 | 20M | 3609   | 55830 | Band 48 | 20M | 3628.8 | 56028 | Band 48 | 20M | 3648.6 | 56226 | 17.76 | 17.91 |

<Reduced power mode 3 for Hotspot with 5GHz Wifi>  
<UAT>

| Configure  |                   | PCC              |       |             |         |      |     |           | SCC1    |       |             |         | SCC2    |       |             |         | SCC3    |       |             |         | Power           |                 |
|------------|-------------------|------------------|-------|-------------|---------|------|-----|-----------|---------|-------|-------------|---------|---------|-------|-------------|---------|---------|-------|-------------|---------|-----------------|-----------------|
|            |                   | LTE              | BW    | UL          | UL      |      | UL# | UL        | LTE     | BW    | DL          | DL      | LTE     | BW    | DL          | DL      | LTE     | BW    | DL          | DL      | With CA         | Without CA      |
|            |                   | Band             | (MHz) | Freq. (MHz) | Channel | Mod. | RB  | RB Offset | Band    | (MHz) | Freq. (MHz) | Channel | Band    | (MHz) | Freq. (MHz) | Channel | Band    | (MHz) | Freq. (MHz) | Channel | Tx. Power (dBm) | Tx. Power (dBm) |
| Inter-Band | CA_2A-2A-5A-66A   | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5      | 1175    | Band 5  | 10M   | 881.5       | 2525    | Band 66 | 5M    | 2197.5      | 67311   | 18.98           | 19.09           |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5      | 1175    | Band 5  | 10M   | 881.5       | 2525    | Band 66 | 5M    | 2197.5      | 67311   | 18.94           | 19.09           |
|            |                   | Band 5           | 10M   | 836.5       | 20525   | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 2  | 5M    | 1987.5      | 1175    | Band 66 | 5M    | 2197.5      | 67311   | 18.04           | 18.05           |
|            |                   | Band 66          | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 2  | 5M    | 1987.5      | 1175    | Band 5  | 10M   | 881.5       | 2525    | 18.95           | 19              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 2  | 5M    | 1987.5      | 1175    | Band 5  | 10M   | 881.5       | 2525    | 18.92           | 19              |
|            | CA_2A-2A-13A-66A  | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5      | 1175    | Band 13 | 10M   | 751         | 5230    | Band 66 | 5M    | 2197.5      | 67311   | 18.99           | 19.09           |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5      | 1175    | Band 13 | 10M   | 751         | 5230    | Band 66 | 5M    | 2197.5      | 67311   | 18.92           | 19.09           |
|            |                   | Band 66          | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 2  | 5M    | 1987.5      | 1175    | Band 13 | 10M   | 751         | 5230    | 18.96           | 19              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 2  | 5M    | 1987.5      | 1175    | Band 13 | 10M   | 751         | 5230    | 18.89           | 19              |
|            |                   | Band 13          | 10M   | 782         | 23230   | QPSK | 1   | 25        | Band 66 | 5M    | 2197.5      | 67311   | Band 2  | 20M   | 1960        | 900     | Band 2  | 5M    | 1987.5      | 1175    | 19.2            | 19.3            |
|            | CA_2A-4A-7A-7A    | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 7  | 20M   | 2655        | 3100    | Band 7  | 5M    | 2687.5      | 3425    | 18.99           | 19.09           |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 4  | 20M   | 2132.5      | 2175    | Band 7  | 20M   | 2655        | 3100    | Band 7  | 5M    | 2687.5      | 3425    | 18.93           | 19.09           |
|            |                   | Band 4           | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 7  | 20M   | 2655        | 3100    | Band 7  | 5M    | 2687.5      | 3425    | 18.85           | 18.95           |
|            |                   | Band 4(4*4MIMO)  | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 7  | 20M   | 2655        | 3100    | Band 7  | 5M    | 2687.5      | 3425    | 18.82           | 18.95           |
|            |                   | Band 7           | 20M   | 2560        | 21350   | QPSK | 1   | 99        | Band 2  | 20M   | 1960        | 900     | Band 4  | 20M   | 2132.5      | 2175    | Band 7  | 5M    | 2687.5      | 3425    | 19.74           | 19.84           |
|            |                   | Band 7(4*4MIMO)  | 20M   | 2560        | 21350   | QPSK | 1   | 99        | Band 2  | 20M   | 1960        | 900     | Band 4  | 20M   | 2132.5      | 2175    | Band 7  | 5M    | 2687.5      | 3425    | 19.71           | 19.84           |
|            | CA_2A-5A-66A-66A  | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 5  | 10M   | 881.5       | 2525    | Band 66 | 20M   | 2155        | 66886   | Band 66 | 5M    | 2197.5      | 67311   | 19.03           | 19.09           |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 5  | 10M   | 881.5       | 2525    | Band 66 | 20M   | 2155        | 66886   | Band 66 | 5M    | 2197.5      | 67311   | 18.96           | 19.09           |
|            |                   | Band 5           | 10M   | 836.5       | 20525   | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 66886   | Band 66 | 20M   | 2155        | 66886   | Band 66 | 5M    | 2197.5      | 67311   | 17.88           | 18.05           |
|            |                   | Band 66          | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 5  | 10M   | 881.5       | 2525    | Band 66 | 5M    | 2197.5      | 67311   | 18.8            | 19              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 5  | 10M   | 881.5       | 2525    | Band 66 | 5M    | 2197.5      | 67311   | 18.75           | 19              |
|            | CA_2A-5A-66B      | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 5  | 10M   | 881.5       | 2525    | Band 66 | 15M   | 2155        | 66886   | Band 66 | 5M    | 2164.3      | 66979   | 18.94           | 19.09           |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 5  | 10M   | 881.5       | 2525    | Band 66 | 15M   | 2155        | 66886   | Band 66 | 5M    | 2164.3      | 66979   | 18.93           | 19.09           |
|            |                   | Band 5           | 10M   | 836.5       | 20525   | QPSK | 1   | 0         | Band 66 | 15M   | 2155        | 66886   | Band 66 | 5M    | 2164.3      | 66979   | Band 2  | 20M   | 1960        | 900     | 17.96           | 18.05           |
|            |                   | Band 66          | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 66 | 5M    | 2164.3      | 66979   | Band 2  | 20M   | 1960        | 900     | Band 5  | 10M   | 881.5       | 2525    | 18.92           | 19              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 66 | 5M    | 2164.3      | 66979   | Band 2  | 20M   | 1960        | 900     | Band 5  | 10M   | 881.5       | 2525    | 18.85           | 19              |
|            | CA_2A-3A-66B      | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 13 | 10M   | 751         | 5230    | Band 66 | 15M   | 2155        | 66886   | Band 66 | 5M    | 2164.3      | 66979   | 18.94           | 19.09           |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 13 | 10M   | 751         | 5230    | Band 66 | 15M   | 2155        | 66886   | Band 66 | 5M    | 2164.3      | 66979   | 18.92           | 19.09           |
|            |                   | Band 13          | 10M   | 782         | 23230   | QPSK | 1   | 25        | Band 66 | 15M   | 2155        | 66886   | Band 66 | 5M    | 2164.3      | 66979   | Band 2  | 20M   | 1960        | 900     | 19.18           | 19.3            |
|            |                   | Band 66          | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 66 | 5M    | 2164.3      | 66979   | Band 2  | 20M   | 1960        | 900     | Band 13 | 10M   | 751         | 5230    | 18.84           | 19              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 66 | 5M    | 2164.3      | 66979   | Band 2  | 20M   | 1960        | 900     | Band 13 | 10M   | 751         | 5230    | 18.81           | 19              |
|            | CA_2A-12A-66A-66A | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 12 | 10M   | 737.5       | 5095    | Band 66 | 20M   | 2155        | 66886   | Band 66 | 5M    | 2197.5      | 67311   | 19.01           | 19.09           |

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|                   |  |                  |     |        |        |      |   |    |         |     |        |       |         |     |        |       |         |     |        |       |       |       |
|-------------------|--|------------------|-----|--------|--------|------|---|----|---------|-----|--------|-------|---------|-----|--------|-------|---------|-----|--------|-------|-------|-------|
|                   |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 18.89 | 19.09 |
|                   |  | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 2  | 20M | 1960   | 900   | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 19.54 | 19.63 |
|                   |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 12 | 10M | 737.5  | 5095  | Band 66 | 5M  | 2197.5 | 67311 | 18.97 | 19    |
|                   |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 12 | 10M | 737.5  | 5095  | Band 66 | 5M  | 2197.5 | 67311 | 18.92 | 19    |
| CA_2A-2A--66C     |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 18.93 | 19.09 |
|                   |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 18.89 | 19.09 |
|                   |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2174.8 | 67084 | 18.9  | 19    |
|                   |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2174.8 | 67084 | 18.88 | 19    |
| CA_2A-5A--66C     |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 5  | 10M | 881.5  | 2525  | Band 66 | 20M | 2174.8 | 67084 | 18.98 | 19.09 |
|                   |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 5  | 10M | 881.5  | 2525  | Band 66 | 20M | 2174.8 | 67084 | 18.94 | 19.09 |
|                   |  | Band 5           | 10M | 836.5  | 20525  | QPSK | 1 | 0  | Band 66 | 20M | 2174.8 | 67084 | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | 18.02 | 18.05 |
|                   |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 5  | 10M | 881.5  | 2525  | 18.87 | 19    |
|                   |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 5  | 10M | 881.5  | 2525  | 18.83 | 19    |
|                   |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 18.96 | 19.09 |
|                   |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 18.92 | 19.09 |
|                   |  | Band 12          | 20M | 707.5  | 23095  | QPSK | 1 | 49 | Band 2  | 20M | 1960   | 900   | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 19.54 | 19.63 |
|                   |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2174.8 | 67084 | 18.82 | 19    |
|                   |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2174.8 | 67084 | 18.78 | 19    |
|                   |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 18.9  | 19.09 |
|                   |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 18.88 | 19.09 |
| CA_2A-13A--66C    |  | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 2  | 20M | 1960   | 900   | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 19.13 | 19.3  |
|                   |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2174.8 | 67084 | 18.8  | 19    |
|                   |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2174.8 | 67084 | 18.75 | 19    |
|                   |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | Band 71 | 20M | 637    | 68786 | 18.98 | 19.09 |
|                   |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | Band 71 | 20M | 637    | 68786 | 18.92 | 19.09 |
|                   |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 66 | 20M | 2174.8 | 66886 | Band 71 | 20M | 637    | 68786 | 18.84 | 19    |
|                   |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 66 | 20M | 2174.8 | 66886 | Band 71 | 20M | 637    | 68786 | 18.83 | 19    |
|                   |  | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 66 | 20M | 2155   | 66886 | Band 66 | 20M | 2174.8 | 67084 | 20.26 | 20.4  |
|                   |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | Band 71 | 20M | 637    | 68786 | 19    | 19.09 |
|                   |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | Band 71 | 20M | 637    | 68786 | 18.95 | 19.09 |
|                   |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 66 | 5M  | 2197.5 | 67311 | Band 71 | 20M | 637    | 68786 | 18.8  | 19    |
|                   |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 66 | 5M  | 2197.5 | 67311 | Band 71 | 20M | 637    | 68786 | 18.76 | 19    |
| CA_2A-66A-66A-71A |  | Band 71          | 20M | 683    | 133322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 20.23 | 20.4  |
|                   |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 19    | 19.09 |
|                   |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 18.96 | 19.09 |
|                   |  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 18.81 | 18.95 |
| CA_2A-46D         |  | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0  | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 18.78 | 18.95 |
|                   |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2155   | 66886 | 19.03 | 19.09 |
|                   |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 12 | 10M | 737.5  | 5095  | Band 66 | 20M | 2155   | 66886 | 19.02 | 19.09 |
|                   |  | Band 12          | 10M | 707.5  | 23095  | QPSK | 1 | 49 | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | 19.55 | 19.63 |
|                   |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 12 | 10M | 737.5  | 5095  | 18.93 | 19    |
|                   |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 12 | 10M | 737.5  | 5095  | 18.88 | 19    |
|                   |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2155   | 66886 | 19.01 | 19.09 |
|                   |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | Band 66 | 20M | 2155   | 66886 | 18.96 | 19.09 |
|                   |  | Band 13          | 10M | 782    | 23230  | QPSK | 1 | 25 | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | 19.26 | 19.3  |
|                   |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | 18.81 | 19    |
|                   |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 13 | 10M | 751    | 5230  | 18.76 | 19    |
|                   |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 18.97 | 19.09 |
|                   |  | Band 2(4*4MIMO)  | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 18.94 | 19.09 |
|                   |  | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 5M  | 2197.5 | 67311 | 18.97 | 19    |
|                   |  | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0  | Band 2  | 20M | 1960   | 900   | Band 2  | 5M  | 1987.5 | 1175  | Band 66 | 5M  | 2197.5 | 67311 | 18.94 | 19    |
|                   |  | Band 2           | 20M | 1880   | 18900  | QPSK | 1 | 0  | Band 2  | 20M | 1979.8 | 1098  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 19.01 | 19.09 |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

|  |                |                  |     |      |        |      |   |   |         |     |        |       |         |     |        |       |         |     |        |       |       |       |
|--|----------------|------------------|-----|------|--------|------|---|---|---------|-----|--------|-------|---------|-----|--------|-------|---------|-----|--------|-------|-------|-------|
|  |                | Band 2(4*4MIMO)  | 20M | 1880 | 18900  | QPSK | 1 | 0 | Band 2  | 20M | 1979.8 | 1098  | Band 66 | 20M | 2155   | 66886 | Band 66 | 5M  | 2197.5 | 67311 | 18.95 | 19.09 |
|  |                | Band 66          | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 2  | 20M | 1960   | 900   | Band 2  | 20M | 1979.8 | 1098  | Band 66 | 5M  | 2197.5 | 67311 | 18.96 | 19    |
|  |                | Band 66(4*4MIMO) | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 2  | 20M | 1960   | 900   | Band 2  | 20M | 1979.8 | 1098  | Band 66 | 5M  | 2197.5 | 67311 | 18.92 | 19    |
|  | 2A-46A-46C     | Band 2           | 20M | 1880 | 18900  | QPSK | 1 | 0 | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 19.08 | 19.09 |
|  |                | Band 2(4*4MIMO)  | 20M | 1880 | 18900  | QPSK | 1 | 0 | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 19.01 | 19.09 |
|  | 2A-46A-46A-66A | Band 2           | 20M | 1880 | 18900  | QPSK | 1 | 0 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5160   | 46890 | Band 66 | 20M | 2155   | 66886 | 19.08 | 19.09 |
|  |                | Band 2(4*4MIMO)  | 20M | 1880 | 18900  | QPSK | 1 | 0 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5160   | 46890 | Band 66 | 20M | 2155   | 66886 | 19.03 | 19.09 |
|  |                | Band 66          | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5160   | 46890 | Band 2  | 20M | 900    | 1960  | 18.97 | 19    |
|  |                | Band 66(4*4MIMO) | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5160   | 46890 | Band 2  | 20M | 900    | 1960  | 18.92 | 19    |
|  | 66A-46A-46C    | Band 66          | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 18.88 | 19    |
|  |                | Band 66(4*4MIMO) | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 18.81 | 19    |
|  | 2A-46C-66A     | Band 66          | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 2  | 20M | 1960   | 900   | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 18.84 | 19    |
|  |                | Band 66(4*4MIMO) | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 2  | 20M | 1960   | 900   | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 18.81 | 19    |
|  |                | Band 2           | 20M | 1880 | 18900  | QPSK | 1 | 0 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | Band 66 | 20M | 2155   | 66886 | 18.97 | 19.09 |
|  | 66A-46D        | Band 2(4*4MIMO)  | 20M | 1880 | 18900  | QPSK | 1 | 0 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | Band 66 | 20M | 2155   | 66886 | 18.93 | 19.09 |
|  |                | Band 66          | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 18.97 | 19    |
|  | 48D-66A        | Band 66(4*4MIMO) | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 18.92 | 19    |
|  |                | Band 48          | 20M | 3609 | 55830  | QPSK | 1 | 0 | Band 66 | 20M | 2155   | 66886 | Band 48 | 20M | 3628.8 | 56028 | Band 48 | 20M | 3648.6 | 56226 | 19.61 | 19.78 |
|  |                | Band 66          | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 48 | 20M | 3609   | 55830 | Band 48 | 20M | 3628.8 | 56028 | Band 48 | 20M | 3648.6 | 56226 | 18.85 | 19    |
|  |                | Band 66(4*4MIMO) | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 48 | 20M | 3609   | 55830 | Band 48 | 20M | 3628.8 | 56028 | Band 48 | 20M | 3648.6 | 56226 | 18.81 | 19    |

<Reduced power mode 1 for Hotspot>  
<LAT>

| Configure  |                  | PCC              |       |                |         |      |     |              | SCC1    |       |                |         | SCC2    |       |                |         | SCC3    |       |                |         | Power              |                    |
|------------|------------------|------------------|-------|----------------|---------|------|-----|--------------|---------|-------|----------------|---------|---------|-------|----------------|---------|---------|-------|----------------|---------|--------------------|--------------------|
|            |                  | LTE              | BW    | UL             | UL      |      | UL# | UL           | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | With CA            | Without CA         |
|            |                  | Band             | (MHz) | Freq.<br>(MHz) | Channel | Mod. | RB  | RB<br>Offset | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |
| Inter-Band | CA_2A-4A-7A-7A   | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 20M   | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 21.19              | 21.38              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 20M   | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 21.15              | 21.38              |
|            |                  | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 7  | 20M   | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 21.58              | 21.71              |
|            |                  | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 7  | 20M   | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 21.56              | 21.71              |
|            |                  | Band 7           | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 2  | 20M   | 1960           | 900     | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 5M    | 2687.5         | 3425    | 21.81              | 21.93              |
|            |                  | Band 7(4*4MIMO)  | 20M   | 2560           | 21350   | QPSK | 1   | 99           | Band 2  | 20M   | 1960           | 900     | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 5M    | 2687.5         | 3425    | 21.8               | 21.93              |
|            | CA_2A-2A--66C    | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 20M   | 2174.8         | 67084   | 21.22              | 21.38              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 20M   | 2174.8         | 67084   | 21.2               | 21.38              |
|            |                  | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2174.8         | 67084   | 21.73              | 21.78              |
|            |                  | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2174.8         | 67084   | 21.7               | 21.78              |
|            | CA_2A-46D        | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 21.28              | 21.38              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 21.26              | 21.38              |
|            | CA_4A-46D        | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 21.59              | 21.71              |
|            |                  | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 21.58              | 21.71              |
|            | CA_2A-2A-66A-66A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 21.23              | 21.38              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 21.22              | 21.38              |
|            |                  | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 5M    | 2197.5         | 67311   | 21.65              | 21.78              |
|            |                  | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 5M    | 2197.5         | 67311   | 21.64              | 21.78              |
|            | CA_2C-66A-66A    | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 20M   | 1979.8         | 1098    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 21.19              | 21.38              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 20M   | 1979.8         | 1098    | Band 66 | 20M   | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 21.16              | 21.38              |
|            |                  | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 20M   | 1979.8         | 1098    | Band 66 | 5M    | 2197.5         | 67311   | 21.63              | 21.78              |
|            |                  | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 2  | 20M   | 1979.8         | 1098    | Band 66 | 5M    | 2197.5         | 67311   | 21.6               | 21.78              |
|            | 2A-46A-46C       | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 21.25              | 21.38              |

TEL : 886-3-327-3456

FAX : 886-3-328-4978

Form version: 181113

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# FCC SAR TEST REPORT

Report No. : FA8D2526-01

|  |                |                  |     |      |        |      |   |   |         |     |        |       |         |     |        |       |         |     |        |       |       |       |
|--|----------------|------------------|-----|------|--------|------|---|---|---------|-----|--------|-------|---------|-----|--------|-------|---------|-----|--------|-------|-------|-------|
|  | 2A-46A-46A-66A | Band 2(4*4MIMO)  | 20M | 1880 | 18900  | QPSK | 1 | 0 | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 21.23 | 21.38 |
|  |                | Band 2           | 20M | 1880 | 18900  | QPSK | 1 | 0 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5160   | 46890 | Band 66 | 20M | 2155   | 66886 | 21.34 | 21.38 |
|  |                | Band 2(4*4MIMO)  | 20M | 1880 | 18900  | QPSK | 1 | 0 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5160   | 46890 | Band 66 | 20M | 2155   | 66886 | 21.32 | 21.38 |
|  |                | Band 66          | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5160   | 46890 | Band 2  | 20M | 900    | 1960  | 21.67 | 21.78 |
|  | 66A-46A-46C    | Band 66(4*4MIMO) | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5160   | 46890 | Band 2  | 20M | 900    | 1960  | 21.65 | 21.78 |
|  |                | Band 66          | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 21.58 | 21.78 |
|  | 2A-46C-66A     | Band 66(4*4MIMO) | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 46 | 20M | 5160   | 46890 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 21.56 | 21.78 |
|  |                | Band 66          | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 2  | 20M | 1960   | 900   | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 21.77 | 21.78 |
|  |                | Band 66(4*4MIMO) | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 2  | 20M | 1960   | 900   | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 21.76 | 21.78 |
|  |                | Band 2           | 20M | 1880 | 18900  | QPSK | 1 | 0 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | Band 66 | 20M | 2155   | 66886 | 21.24 | 21.38 |
|  | 66A-46D        | Band 2(4*4MIMO)  | 20M | 1880 | 18900  | QPSK | 1 | 0 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | Band 66 | 20M | 2155   | 66886 | 21.22 | 21.38 |
|  |                | Band 66          | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 21.77 | 21.78 |
|  |                | Band 66(4*4MIMO) | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 21.74 | 21.78 |

<Reduced power for Product specific>  
<LAT>

| Configure  |                  | PCC              |       |                |         |      |     |        | SCC1    |       |                |         | SCC2    |        |                |         | SCC3    |       |                |         | Power              |                    |
|------------|------------------|------------------|-------|----------------|---------|------|-----|--------|---------|-------|----------------|---------|---------|--------|----------------|---------|---------|-------|----------------|---------|--------------------|--------------------|
|            |                  | LTE              | BW    | UL             | UL      | Mod. | UL# | UL     | LTE     | BW    | DL             | DL      | LTE     | BW     | DL             | DL      | LTE     | BW    | DL             | DL      | With CA            | Without CA         |
|            |                  | Band             | (MHz) | Freq.<br>(MHz) | Channel |      | RB  | Offset | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz)  | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |
| Inter-Band | CA_2A-4A-7A-7A   | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0      | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 20M    | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 20.26              | 20.29              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0      | Band 4  | 20M   | 2132.5         | 2175    | Band 7  | 20M    | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 20.22              | 20.29              |
|            |                  | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0      | Band 2  | 20M   | 1960           | 900     | Band 7  | 20M    | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 20.44              | 20.61              |
|            |                  | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0      | Band 2  | 20M   | 1960           | 900     | Band 7  | 20M    | 2655           | 3100    | Band 7  | 5M    | 2687.5         | 3425    | 20.4               | 20.61              |
|            |                  | Band 7           | 20M   | 2560           | 21350   | QPSK | 1   | 99     | Band 2  | 20M   | 1960           | 900     | Band 4  | 20M    | 2132.5         | 2175    | Band 7  | 5M    | 2687.5         | 3425    | 21.07              | 21.26              |
|            | CA_2A-2A--66C    | Band 7(4*4MIMO)  | 20M   | 2560           | 21350   | QPSK | 1   | 99     | Band 2  | 20M   | 1960           | 900     | Band 4  | 20M    | 2132.5         | 2175    | Band 7  | 5M    | 2687.5         | 3425    | 21.04              | 21.26              |
|            |                  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0      | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M    | 2155           | 66886   | Band 66 | 20M   | 2174.8         | 67084   | 20.1               | 20.29              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0      | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M    | 2155           | 66886   | Band 66 | 20M   | 2174.8         | 67084   | 20.05              | 20.29              |
|            |                  | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0      | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M     | 1987.5         | 1175    | Band 66 | 20M   | 2174.8         | 67084   | 20.5               | 20.68              |
|            | CA_2A-46D        | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0      | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M     | 1987.5         | 1175    | Band 66 | 20M   | 2174.8         | 67084   | 20.47              | 20.68              |
|            |                  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0      | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M    | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 20.19              | 20.29              |
|            | CA_4A-46D        | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0      | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M    | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 20.17              | 20.29              |
|            |                  | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0      | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M    | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 20.53              | 20.61              |
|            | CA_2A-2A-66A-66A | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0      | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M    | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 20.5               | 20.61              |
|            |                  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0      | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M    | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 20.24              | 20.29              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0      | Band 2  | 5M    | 1987.5         | 1175    | Band 66 | 20M    | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 20.2               | 20.29              |
|            |                  | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0      | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M     | 1987.5         | 1175    | Band 66 | 5M    | 2197.5         | 67311   | 20.52              | 20.68              |
|            | CA_2C-66A-66A    | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0      | Band 2  | 20M   | 1960           | 900     | Band 2  | 5M     | 1987.5         | 1175    | Band 66 | 5M    | 2197.5         | 67311   | 20.5               | 20.68              |
|            |                  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0      | Band 2  | 20M   | 1979.8         | 1098    | Band 66 | 20M    | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 20.17              | 20.29              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0      | Band 2  | 20M   | 1979.8         | 1098    | Band 66 | 20M    | 2155           | 66886   | Band 66 | 5M    | 2197.5         | 67311   | 20.15              | 20.29              |
|            |                  | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0      | Band 2  | 20M   | 1960           | 900     | Band 2  | 20M    | 1979.8         | 1098    | Band 66 | 5M    | 2197.5         | 67311   | 20.49              | 20.68              |
|            | CA_2C-66A-66A    | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0      | Band 2  | 20M   | 1960           | 900     | Band 2  | 20M    | 1979.8         | 1098    | Band 66 | 5M    | 2197.5         | 67311   | 20.45              | 20.68              |
|            |                  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0      | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M    | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 20.28              | 20.29              |
|            |                  | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0      | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M    | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 20.26              | 20.29              |
|            |                  | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0      | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M    | 5160           | 46890   | Band 66 | 20M   | 2155           | 66886   | 20.26              | 20.29              |
|            | 2A-46A-46A-66A   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0      | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M    | 5160           | 46890   | Band 66 | 20M   | 2155           | 66886   | 20.25              | 20.29              |
|            |                  | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0      | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M    | 5160           | 46890   | Band 2  | 20M   | 900            | 1960    | 20.57              | 20.68              |
|            |                  | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0      | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M    | 5160           | 46890   | Band 2  | 20M   | 900            | 1960    | 20.55              | 20.68              |
|            |                  | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0      | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M    | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 20.61              | 20.68              |
|            | 66A-46A-46C      | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0      | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M    | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 20.58              | 20.68              |
|            |                  | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0      | Band 2  | 20M   | 1960           | 900     | Band 46 | 20M    | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 20.52              | 20.68              |
| 2A-46C-66A | Band 66          | 20M              | 1745  | 132322         | QPSK    | 1    | 0   | Band 2 | 20M     | 1960  | 900            | Band 46 | 20M     | 5540.2 | 50692          | Band 46 | 20M     | 5560  | 50890          | 20.52   | 20.68              |                    |



# FCC SAR TEST REPORT

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|  |         |                  |     |      |        |      |   |   |         |     |        |       |         |     |        |       |         |     |        |       |       |       |
|--|---------|------------------|-----|------|--------|------|---|---|---------|-----|--------|-------|---------|-----|--------|-------|---------|-----|--------|-------|-------|-------|
|  |         | Band 66(4*4MIMO) | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 2  | 20M | 1960   | 900   | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | 20.5  | 20.68 |
|  |         | Band 2           | 20M | 1880 | 18900  | QPSK | 1 | 0 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | Band 66 | 20M | 2155   | 66886 | 20.15 | 20.29 |
|  |         | Band 2(4*4MIMO)  | 20M | 1880 | 18900  | QPSK | 1 | 0 | Band 46 | 20M | 5540.2 | 50692 | Band 46 | 20M | 5560   | 50890 | Band 66 | 20M | 2155   | 66886 | 20.11 | 20.29 |
|  |         | Band 66          | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 20.61 | 20.68 |
|  | 66A-46D | Band 66(4*4MIMO) | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540   | 50690 | Band 46 | 20M | 5559.8 | 50888 | 20.6  | 20.68 |

## <Downlink Five Carrier power verification>

<Full power>

<UAT>

| Configure  |                   | PCC              |       |             |         |      |     |           | SCC1    |       |             |         | SCC2    |       |             |         | SCC3    |       |             |         | SCC4    |       |             |         | Power           |                 |
|------------|-------------------|------------------|-------|-------------|---------|------|-----|-----------|---------|-------|-------------|---------|---------|-------|-------------|---------|---------|-------|-------------|---------|---------|-------|-------------|---------|-----------------|-----------------|
|            |                   | LTE              | BW    | UL          | UL      | Mod. | UL# | UL        | LTE     | BW    | DL          | DL      | LTE     | BW    | DL          | DL      | LTE     | BW    | DL          | DL      | LTE     | BW    | DL          | DL      | With CA         | Without CA      |
|            |                   | Band             | (MHz) | Freq. (MHz) | Channel |      | RB  | RB Offset | Band    | (MHz) | Freq. (MHz) | Channel | Band    | (MHz) | Freq. (MHz) | Channel | Band    | (MHz) | Freq. (MHz) | Channel | Band    | (MHz) | Freq. (MHz) | Channel | Tx. Power (dBm) | Tx. Power (dBm) |
| Inter-Band | CA_2A-46A-46C-66A | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 66 | 20M   | 2155        | 66886   | Band 46 | 20M   | 5160        | 46890   | Band 46 | 20M   | 5885.2      | 54142   | Band 46 | 20M   | 5905        | 54340   | 21.89           | 21.99           |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 66 | 20M   | 2155        | 66886   | Band 46 | 20M   | 5160        | 46890   | Band 46 | 20M   | 5885.2      | 54142   | Band 46 | 20M   | 5905        | 54340   | 21.81           | 21.99           |
|            |                   | Band 66          | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 46 | 20M   | 5160        | 46890   | Band 46 | 20M   | 5540.2      | 50692   | Band 46 | 20M   | 5560        | 50890   | 22.34           | 22.39           |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 46 | 20M   | 5160        | 46890   | Band 46 | 20M   | 5540.2      | 50692   | Band 46 | 20M   | 5560        | 50890   | 22.32           | 22.39           |
|            | CA_2A--2A-46D     | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5      | 1175    | Band 46 | 20M   | 5520.2      | 50492   | Band 46 | 20M   | 5540        | 50690   | Band 46 | 20M   | 5559.8      | 50888   | 21.85           | 21.99           |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5      | 1175    | Band 46 | 20M   | 5520.2      | 50492   | Band 46 | 20M   | 5540        | 50690   | Band 46 | 20M   | 5559.8      | 50888   | 21.79           | 21.99           |
|            | CA_2A-46E         | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5520        | 50490   | Band 46 | 20M   | 5539.8      | 50688   | Band 46 | 20M   | 5559.8      | 50889   | Band 46 | 20M   | 5580        | 50190   | 21.88           | 21.99           |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5520        | 50490   | Band 46 | 20M   | 5539.8      | 50688   | Band 46 | 20M   | 5559.8      | 50889   | Band 46 | 20M   | 5580        | 50190   | 21.83           | 21.99           |
|            | CA_2A-46A-46D     | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5160        | 46890   | Band 46 | 20M   | 5520.2      | 50492   | Band 46 | 20M   | 5540        | 50690   | Band 46 | 20M   | 5559.8      | 50888   | 21.84           | 21.99           |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5160        | 46890   | Band 46 | 20M   | 5520.2      | 50492   | Band 46 | 20M   | 5540        | 50690   | Band 46 | 20M   | 5559.8      | 50888   | 21.81           | 21.99           |
|            | CA_4A-46A-46D     | Band 4           | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 46 | 20M   | 5160        | 46890   | Band 46 | 20M   | 5520.2      | 50492   | Band 46 | 20M   | 5540        | 50690   | Band 46 | 20M   | 5559.8      | 50888   | 22.31           | 22.4            |
|            |                   | Band 4(4*4MIMO)  | 20M   | 1732.5      | 20175   | QPSK | 1   | 0         | Band 46 | 20M   | 5160        | 46890   | Band 46 | 20M   | 5520.2      | 50492   | Band 46 | 20M   | 5540        | 50690   | Band 46 | 20M   | 5559.8      | 50888   | 22.21           | 22.4            |
|            | CA_66A-46A-46D    | Band 66          | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 46 | 20M   | 5160        | 46890   | Band 46 | 20M   | 5520.2      | 50492   | Band 46 | 20M   | 5540        | 50690   | Band 46 | 20M   | 5559.8      | 50888   | 22.29           | 22.39           |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 46 | 20M   | 5160        | 46890   | Band 46 | 20M   | 5520.2      | 50492   | Band 46 | 20M   | 5540        | 50690   | Band 46 | 20M   | 5559.8      | 50888   | 22.22           | 22.39           |
|            | CA_48E-66A        | Band 66          | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 48 | 20M   | 3609        | 55830   | Band 48 | 20M   | 3628.8      | 56028   | Band 48 | 20M   | 3648.6      | 56226   | Band 48 | 20M   | 3668.4      | 56424   | 22.26           | 22.39           |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 48 | 20M   | 3609        | 55830   | Band 48 | 20M   | 3628.8      | 56028   | Band 48 | 20M   | 3648.6      | 56226   | Band 48 | 20M   | 3668.4      | 56424   | 22.15           | 22.39           |
|            |                   | Band 48          | 20M   | 3609        | 55830   | QPSK | 1   | 0         | Band 66 | 20M   | 2155        | 66886   | Band 48 | 20M   | 3628.8      | 56028   | Band 48 | 20M   | 3648.6      | 56226   | Band 48 | 20M   | 3668.4      | 56424   | 22.27           | 22.39           |

| Configure  |               | PCC             |       |             |         |      |     |           | SCC1    |       |             |         | SCC2    |       |             |         | SCC3    |       |             |         | SCC4    |       |             |         | Power           |                 |
|------------|---------------|-----------------|-------|-------------|---------|------|-----|-----------|---------|-------|-------------|---------|---------|-------|-------------|---------|---------|-------|-------------|---------|---------|-------|-------------|---------|-----------------|-----------------|
|            |               | LTE             | BW    | UL          | UL      | Mod. | UL# | UL        | LTE     | BW    | DL          | DL      | LTE     | BW    | DL          | DL      | LTE     | BW    | DL          | DL      | LTE     | BW    | DL          | DL      | With CA         | Without CA      |
|            |               | Band            | (MHz) | Freq. (MHz) | Channel |      | RB  | RB Offset | Band    | (MHz) | Freq. (MHz) | Channel | Band    | (MHz) | Freq. (MHz) | Channel | Band    | (MHz) | Freq. (MHz) | Channel | Band    | (MHz) | Freq. (MHz) | Channel | Tx. Power (dBm) | Tx. Power (dBm) |
| Inter-Band | CA_2A-46D-66A | Band 2          | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5520.2      | 50492   | Band 46 | 20M   | 5540        | 50690   | Band 46 | 20M   | 5559.8      | 50888   | Band 66 | 20M   | 2155        | 66886   | 21.86           | 21.99           |
|            |               | Band 2(4*4MIMO) | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5520.2      | 50492   | Band 46 | 20M   | 5540        | 50690   | Band 46 | 20M   | 5559.8      | 50888   | Band 66 | 20M   | 2155        | 66886   | 21.74           | 21.99           |
|            |               | Band 66         | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 46 | 20M   | 5520.2      | 50492   | Band 46 | 20M   | 5540        | 50690   | Band 46 | 20M   | 5559.8      | 50888   | 22.26           | 22.39           |
|            |               | Band 6(4*4MIMO) | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 46 | 20M   | 5520.2      | 50492   | Band 46 | 20M   | 5540        | 50690   | Band 46 | 20M   | 5559.8      | 50888   | 22.12           | 22.39           |

## <LAT>

| Configure  |                   | PCC              |       |             |         |      |     |           | SCC1    |       |             |         | SCC2    |       |             |         | SCC3    |       |             |         | SCC4    |       |             |         | Power           |                 |
|------------|-------------------|------------------|-------|-------------|---------|------|-----|-----------|---------|-------|-------------|---------|---------|-------|-------------|---------|---------|-------|-------------|---------|---------|-------|-------------|---------|-----------------|-----------------|
|            |                   | LTE              | BW    | UL          | UL      | Mod. | UL# | UL        | LTE     | BW    | DL          | DL      | LTE     | BW    | DL          | DL      | LTE     | BW    | DL          | DL      | LTE     | BW    | DL          | DL      | With CA         | Without CA      |
|            |                   | Band             | (MHz) | Freq. (MHz) | Channel |      | RB  | RB Offset | Band    | (MHz) | Freq. (MHz) | Channel | Band    | (MHz) | Freq. (MHz) | Channel | Band    | (MHz) | Freq. (MHz) | Channel | Band    | (MHz) | Freq. (MHz) | Channel | Tx. Power (dBm) | Tx. Power (dBm) |
| Inter-Band | CA_2A-46A-46C-66A | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 66 | 20M   | 2155        | 66886   | Band 46 | 20M   | 5160        | 46890   | Band 46 | 20M   | 5885.2      | 54142   | Band 46 | 20M   | 5905        | 54340   | 23.28           | 23.31           |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 66 | 20M   | 2155        | 66886   | Band 46 | 20M   | 5160        | 46890   | Band 46 | 20M   | 5885.2      | 54142   | Band 46 | 20M   | 5905        | 54340   | 23.26           | 23.31           |
|            |                   | Band 66          | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 46 | 20M   | 5160        | 46890   | Band 46 | 20M   | 5540.2      | 50692   | Band 46 | 20M   | 5560        | 50890   | 23.69           | 23.73           |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745        | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960        | 900     | Band 46 | 20M   | 5160        | 46890   | Band 46 | 20M   | 5540.2      | 50692   | Band 46 | 20M   | 5560        | 50890   | 23.65           | 23.73           |
|            | CA_2A--2A-46D     | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5      | 1175    | Band 46 | 20M   | 5520.2      | 50492   | Band 46 | 20M   | 5540        | 50690   | Band 46 | 20M   | 5559.8      | 50888   | 23.21           | 23.31           |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5      | 1175    | Band 46 | 20M   | 5520.2      | 50492   | Band 46 | 20M   | 5540        | 50690   | Band 46 | 20M   | 5559.8      | 50888   | 23.16           | 23.31           |
|            | CA_2A-46E         | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5520        | 50490   | Band 46 | 20M   | 5539.8      | 50688   | Band 46 | 20M   | 5559.8      | 50889   | Band 46 | 20M   | 5580        | 50190   | 23.23           | 23.31           |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5520        | 50490   | Band 46 | 20M   | 5539.8      | 50688   | Band 46 | 20M   | 5559.8      | 50889   | Band 46 | 20M   | 5580        | 50190   | 23.18           | 23.31           |
|            | CA_2A-46A-46D     | Band 2           | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5160        | 46890   | Band 46 | 20M   | 5520.2      | 50492   | Band 46 | 20M   | 5540        | 50690   | Band 46 | 20M   | 5559.8      | 50888   | 23.2            | 23.31           |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880        | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5160        | 46890   | Band 46 | 20M   | 5520.2      | 50492   | Band 46 | 20M   | 5540        | 50690   | Band 46 | 20M   | 5559.8      | 50888   | 23.18           | 23.31           |

TEL : 886-3-327-3456

FAX : 886-3-328-4978

Form version: 181113

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# FCC SAR TEST REPORT

Report No. : FA8D2526-01

|  |                |                  |     |        |        |      |   |   |         |     |      |       |         |     |        |       |         |     |      |       |         |     |        |       |       |       |
|--|----------------|------------------|-----|--------|--------|------|---|---|---------|-----|------|-------|---------|-----|--------|-------|---------|-----|------|-------|---------|-----|--------|-------|-------|-------|
|  | CA_4A-46A-46D  | Band 4           | 20M | 1732.5 | 20175  | QPSK | 1 | 0 | Band 46 | 20M | 5160 | 46890 | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540 | 50690 | Band 46 | 20M | 5559.8 | 50888 | 23.66 | 23.72 |
|  |                | Band 4(4*4MIMO)  | 20M | 1732.5 | 20175  | QPSK | 1 | 0 | Band 46 | 20M | 5160 | 46890 | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540 | 50690 | Band 46 | 20M | 5559.8 | 50888 | 23.62 | 23.72 |
|  | CA_66A-46A-46D | Band 66          | 20M | 1745   | 132322 | QPSK | 1 | 0 | Band 46 | 20M | 5160 | 46890 | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540 | 50690 | Band 46 | 20M | 5559.8 | 50888 | 23.62 | 23.73 |
|  |                | Band 66(4*4MIMO) | 20M | 1745   | 132322 | QPSK | 1 | 0 | Band 46 | 20M | 5160 | 46890 | Band 46 | 20M | 5520.2 | 50492 | Band 46 | 20M | 5540 | 50690 | Band 46 | 20M | 5559.8 | 50888 | 23.6  | 23.73 |

<Reduced power mode 1 for At-Head>

<UAT>

| Configure  |                   | PCC              |       |        |         |      |     |           | SCC1    |       |        |         | SCC2    |       |        |         | SCC3    |       |        |         | SCC4    |       |        |         | Power           |                 |
|------------|-------------------|------------------|-------|--------|---------|------|-----|-----------|---------|-------|--------|---------|---------|-------|--------|---------|---------|-------|--------|---------|---------|-------|--------|---------|-----------------|-----------------|
|            |                   | LTE              | BW    | UL     | UL      | Mod. | UL# | UL        | LTE     | BW    | DL     | DL      | LTE     | BW    | DL     | DL      | LTE     | BW    | DL     | DL      | LTE     | BW    | DL     | DL      | With CA         | Without CA      |
|            |                   | Band             | (MHz) | Freq.  | Channel |      | RB  | RB Offset | Band    | (MHz) | Freq.  | Channel | Band    | (MHz) | Freq.  | Channel | Band    | (MHz) | Freq.  | Channel | Band    | (MHz) | Freq.  | Channel | Tx. Power (dBm) | Tx. Power (dBm) |
| Inter-Band | CA_2A-46A-46C-66A | Band 2           | 20M   | 1880   | 18900   | QPSK | 1   | 0         | Band 66 | 20M   | 2155   | 66886   | Band 46 | 20M   | 5160   | 46890   | Band 46 | 20M   | 5885.2 | 54142   | Band 46 | 20M   | 5905   | 54340   | 16.85           | 16.92           |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880   | 18900   | QPSK | 1   | 0         | Band 66 | 20M   | 2155   | 66886   | Band 46 | 20M   | 5160   | 46890   | Band 46 | 20M   | 5885.2 | 54142   | Band 46 | 20M   | 5905   | 54340   | 16.82           | 16.92           |
|            |                   | Band 66          | 20M   | 1745   | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960   | 900     | Band 46 | 20M   | 5160   | 46890   | Band 46 | 20M   | 5540.2 | 50692   | Band 46 | 20M   | 5560   | 50890   | 17.86           | 17.91           |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745   | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960   | 900     | Band 46 | 20M   | 5160   | 46890   | Band 46 | 20M   | 5540.2 | 50692   | Band 46 | 20M   | 5560   | 50890   | 17.81           | 17.91           |
|            | CA_2A-2A-46D      | Band 2           | 20M   | 1880   | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5 | 1175    | Band 46 | 20M   | 5520.2 | 50492   | Band 46 | 20M   | 5540   | 50690   | Band 46 | 20M   | 5559.8 | 50888   | 16.81           | 16.92           |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880   | 18900   | QPSK | 1   | 0         | Band 2  | 5M    | 1987.5 | 1175    | Band 46 | 20M   | 5520.2 | 50492   | Band 46 | 20M   | 5540   | 50690   | Band 46 | 20M   | 5559.8 | 50888   | 16.76           | 16.92           |
|            | CA_2A-46E         | Band 2           | 20M   | 1880   | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5520   | 50490   | Band 46 | 20M   | 5539.8 | 50688   | Band 46 | 20M   | 5559.9 | 50889   | Band 46 | 20M   | 5580   | 50190   | 16.82           | 16.92           |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880   | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5520   | 50490   | Band 46 | 20M   | 5539.8 | 50688   | Band 46 | 20M   | 5559.9 | 50889   | Band 46 | 20M   | 5580   | 50190   | 16.79           | 16.92           |
|            | CA_2A-46A-46D     | Band 2           | 20M   | 1880   | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5160   | 46890   | Band 46 | 20M   | 5520.2 | 50492   | Band 46 | 20M   | 5540   | 50690   | Band 46 | 20M   | 5559.8 | 50888   | 16.88           | 16.92           |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880   | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5160   | 46890   | Band 46 | 20M   | 5520.2 | 50492   | Band 46 | 20M   | 5540   | 50690   | Band 46 | 20M   | 5559.8 | 50888   | 16.82           | 16.92           |
|            | CA_4A-46A-46D     | Band 4           | 20M   | 1732.5 | 20175   | QPSK | 1   | 0         | Band 46 | 20M   | 5160   | 46890   | Band 46 | 20M   | 5520.2 | 50492   | Band 46 | 20M   | 5540   | 50690   | Band 46 | 20M   | 5559.8 | 50888   | 17.9            | 17.95           |
|            |                   | Band 4(4*4MIMO)  | 20M   | 1732.5 | 20175   | QPSK | 1   | 0         | Band 46 | 20M   | 5160   | 46890   | Band 46 | 20M   | 5520.2 | 50492   | Band 46 | 20M   | 5540   | 50690   | Band 46 | 20M   | 5559.8 | 50888   | 17.83           | 17.95           |
|            | CA_66A-46A-46D    | Band 66          | 20M   | 1745   | 132322  | QPSK | 1   | 0         | Band 46 | 20M   | 5160   | 46890   | Band 46 | 20M   | 5520.2 | 50492   | Band 46 | 20M   | 5540   | 50690   | Band 46 | 20M   | 5559.8 | 50888   | 17.86           | 17.91           |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745   | 132322  | QPSK | 1   | 0         | Band 46 | 20M   | 5160   | 46890   | Band 46 | 20M   | 5520.2 | 50492   | Band 46 | 20M   | 5540   | 50690   | Band 46 | 20M   | 5559.8 | 50888   | 17.82           | 17.91           |
|            | CA_48E-66A        | Band 66          | 20M   | 1745   | 132322  | QPSK | 1   | 0         | Band 48 | 20M   | 3609   | 55830   | Band 48 | 20M   | 3628.8 | 56028   | Band 48 | 20M   | 3648.6 | 56226   | Band 48 | 20M   | 3668.4 | 56424   | 17.83           | 17.91           |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745   | 132322  | QPSK | 1   | 0         | Band 48 | 20M   | 3609   | 55830   | Band 48 | 20M   | 3628.8 | 56028   | Band 48 | 20M   | 3648.6 | 56226   | Band 48 | 20M   | 3668.4 | 56424   | 17.78           | 17.91           |
|            |                   | Band 48          | 20M   | 3609   | 55830   | QPSK | 1   | 0         | Band 66 | 20M   | 2155   | 66886   | Band 48 | 20M   | 3628.8 | 56028   | Band 48 | 20M   | 3648.6 | 56226   | Band 48 | 20M   | 3668.4 | 56424   | 16.89           | 16.94           |

| Configure  |               | PCC              |       |       |         |      |     |           | SCC1    |       |        |         | SCC2    |       |        |         | SCC3    |       |        |         | SCC4    |       |        |         | Power           |                 |
|------------|---------------|------------------|-------|-------|---------|------|-----|-----------|---------|-------|--------|---------|---------|-------|--------|---------|---------|-------|--------|---------|---------|-------|--------|---------|-----------------|-----------------|
|            |               | LTE              | BW    | UL    | UL      | Mod. | UL# | UL        | LTE     | BW    | DL     | DL      | LTE     | BW    | DL     | DL      | LTE     | BW    | DL     | DL      | LTE     | BW    | DL     | DL      | With CA         | Without CA      |
|            |               | Band             | (MHz) | Freq. | Channel |      | RB  | RB Offset | Band    | (MHz) | Freq.  | Channel | Band    | (MHz) | Freq.  | Channel | Band    | (MHz) | Freq.  | Channel | Band    | (MHz) | Freq.  | Channel | Tx. Power (dBm) | Tx. Power (dBm) |
| Inter-Band | CA_2A-46D-66A | Band 2           | 20M   | 1880  | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5520.2 | 50492   | Band 46 | 20M   | 5540   | 50690   | Band 46 | 20M   | 5559.8 | 50888   | Band 66 | 20M   | 2155   | 66886   | 16.89           | 16.92           |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880  | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5520.2 | 50492   | Band 46 | 20M   | 5540   | 50690   | Band 46 | 20M   | 5559.8 | 50888   | Band 66 | 20M   | 2155   | 66886   | 16.82           | 16.92           |
|            |               | Band 66          | 20M   | 1745  | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960   | 900     | Band 46 | 20M   | 5520.2 | 50492   | Band 46 | 20M   | 5540   | 50690   | Band 46 | 20M   | 5559.8 | 50888   | 17.87           | 17.91           |
|            |               | Band 66(4*4MIMO) | 20M   | 1745  | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960   | 900     | Band 46 | 20M   | 5520.2 | 50492   | Band 46 | 20M   | 5540   | 50690   | Band 46 | 20M   | 5559.8 | 50888   | 17.81           | 17.91           |



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<Reduced power mode 2 for At-Head with 2.4GHz Wifi>  
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| Configure  |                   |                  | PCC     |        |                |         |      |     | SCC1         |         |        |                | SCC2    |         |        |                | SCC3    |         |        |                | SCC4    |         |        |                | Power   |                    |                    |
|------------|-------------------|------------------|---------|--------|----------------|---------|------|-----|--------------|---------|--------|----------------|---------|---------|--------|----------------|---------|---------|--------|----------------|---------|---------|--------|----------------|---------|--------------------|--------------------|
|            |                   |                  | LTE     | BW     | UL             | UL      | Mod. | UL# | UL           | LTE     | BW     | DL             | DL      | LTE     | BW     | DL             | DL      | LTE     | BW     | DL             | DL      | LTE     | BW     | DL             | DL      | With CA            | Without CA         |
|            |                   |                  | Band    | (MHz)  | Freq.<br>(MHz) | Channel |      | RB  | RB<br>Offset | Band    | (MHz)  | Freq.<br>(MHz) | Channel | Band    | (MHz)  | Freq.<br>(MHz) | Channel | Band    | (MHz)  | Freq.<br>(MHz) | Channel | Band    | (MHz)  | Freq.<br>(MHz) | Channel | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |
| Inter-Band | CA_2A-46A-46C-66A | Band 2           | 20M     | 1880   | 18900          | QPSK    | 1    | 0   | Band 66      | 20M     | 2155   | 66886          | Band 46 | 20M     | 5160   | 46890          | Band 46 | 20M     | 5885.2 | 54142          | Band 46 | 20M     | 5905   | 54340          | 17.29   | 17.38              |                    |
|            |                   | Band 2(4*4MIMO)  | 20M     | 1880   | 18900          | QPSK    | 1    | 0   | Band 66      | 20M     | 2155   | 66886          | Band 46 | 20M     | 5160   | 46890          | Band 46 | 20M     | 5885.2 | 54142          | Band 46 | 20M     | 5905   | 54340          | 17.23   | 17.38              |                    |
|            |                   | Band 66          | 20M     | 1745   | 132322         | QPSK    | 1    | 0   | Band 2       | 20M     | 1960   | 900            | Band 46 | 20M     | 5160   | 46890          | Band 46 | 20M     | 5540.2 | 50692          | Band 46 | 20M     | 5560   | 50890          | 17.86   | 17.91              |                    |
|            |                   | Band 66(4*4MIMO) | 20M     | 1745   | 132322         | QPSK    | 1    | 0   | Band 2       | 20M     | 1960   | 900            | Band 46 | 20M     | 5160   | 46890          | Band 46 | 20M     | 5540.2 | 50692          | Band 46 | 20M     | 5560   | 50890          | 17.82   | 17.91              |                    |
|            | CA_2A--2A-46D     | Band 2           | 20M     | 1880   | 18900          | QPSK    | 1    | 0   | Band 2       | 5M      | 1987.5 | 1175           | Band 46 | 20M     | 5520.2 | 50492          | Band 46 | 20M     | 5540   | 50690          | Band 46 | 20M     | 5559.8 | 50888          | 17.26   | 17.38              |                    |
|            |                   | Band 2(4*4MIMO)  | 20M     | 1880   | 18900          | QPSK    | 1    | 0   | Band 2       | 5M      | 1987.5 | 1175           | Band 46 | 20M     | 5520.2 | 50492          | Band 46 | 20M     | 5540   | 50690          | Band 46 | 20M     | 5559.8 | 50888          | 17.22   | 17.38              |                    |
|            | CA_2A-46E         | Band 2           | 20M     | 1880   | 18900          | QPSK    | 1    | 0   | Band 46      | 20M     | 5520   | 50490          | Band 46 | 20M     | 5539.8 | 50688          | Band 46 | 20M     | 5559.9 | 50889          | Band 46 | 20M     | 5580   | 50190          | 17.26   | 17.38              |                    |
|            |                   | Band 2(4*4MIMO)  | 20M     | 1880   | 18900          | QPSK    | 1    | 0   | Band 46      | 20M     | 5520   | 50490          | Band 46 | 20M     | 5539.8 | 50688          | Band 46 | 20M     | 5559.9 | 50889          | Band 46 | 20M     | 5580   | 50190          | 17.23   | 17.38              |                    |
|            | CA_2A-46A-46D     | Band 2           | 20M     | 1880   | 18900          | QPSK    | 1    | 0   | Band 46      | 20M     | 5160   | 46890          | Band 46 | 20M     | 5520.2 | 50492          | Band 46 | 20M     | 5540   | 50690          | Band 46 | 20M     | 5559.8 | 50888          | 17.28   | 17.38              |                    |
|            |                   | Band 2(4*4MIMO)  | 20M     | 1880   | 18900          | QPSK    | 1    | 0   | Band 46      | 20M     | 5160   | 46890          | Band 46 | 20M     | 5520.2 | 50492          | Band 46 | 20M     | 5540   | 50690          | Band 46 | 20M     | 5559.8 | 50888          | 17.24   | 17.38              |                    |
|            | CA_4A-46A-46D     | Band 4           | 20M     | 1732.5 | 20175          | QPSK    | 1    | 0   | Band 46      | 20M     | 5160   | 46890          | Band 46 | 20M     | 5520.2 | 50492          | Band 46 | 20M     | 5540   | 50690          | Band 46 | 20M     | 5559.8 | 50888          | 18.33   | 18.39              |                    |
|            |                   | Band 4(4*4MIMO)  | 20M     | 1732.5 | 20175          | QPSK    | 1    | 0   | Band 46      | 20M     | 5160   | 46890          | Band 46 | 20M     | 5520.2 | 50492          | Band 46 | 20M     | 5540   | 50690          | Band 46 | 20M     | 5559.8 | 50888          | 18.31   | 18.39              |                    |
|            | CA_66A-46A-46D    | Band 66          | 20M     | 1745   | 132322         | QPSK    | 1    | 0   | Band 46      | 20M     | 5160   | 46890          | Band 46 | 20M     | 5520.2 | 50492          | Band 46 | 20M     | 5540   | 50690          | Band 46 | 20M     | 5559.8 | 50888          | 17.86   | 17.91              |                    |
|            |                   | Band 66(4*4MIMO) | 20M     | 1745   | 132322         | QPSK    | 1    | 0   | Band 46      | 20M     | 5160   | 46890          | Band 46 | 20M     | 5520.2 | 50492          | Band 46 | 20M     | 5540   | 50690          | Band 46 | 20M     | 5559.8 | 50888          | 17.82   | 17.91              |                    |
|            |                   |                  | Band 66 | 20M    | 1745           | 132322  | QPSK | 1   | 0            | Band 48 | 20M    | 3609           | 55830   | Band 48 | 20M    | 3628.8         | 56028   | Band 48 | 20M    | 3648.6         | 56226   | Band 48 | 20M    | 3668.4         | 56424   | 17.83              | 17.91              |
|            | CA_48E-66A        | Band 66(4*4MIMO) | 20M     | 1745   | 132322         | QPSK    | 1    | 0   | Band 48      | 20M     | 3609   | 55830          | Band 48 | 20M     | 3628.8 | 56028          | Band 48 | 20M     | 3648.6 | 56226          | Band 48 | 20M     | 3668.4 | 56424          | 17.78   | 17.91              |                    |
|            |                   | Band 48          | 20M     | 3609   | 55830          | QPSK    | 1    | 0   | Band 66      | 20M     | 2155   | 66886          | Band 48 | 20M     | 3628.8 | 56028          | Band 48 | 20M     | 3648.6 | 56226          | Band 48 | 20M     | 3668.4 | 56424          | 16.89   | 16.94              |                    |

| Configure  |               | PCC              |       |       |         |      |     |           | SCC1    |       |        |         | SCC2    |       |        |         | SCC3    |       |        |         | SCC4    |       |        |         | Power     |            |
|------------|---------------|------------------|-------|-------|---------|------|-----|-----------|---------|-------|--------|---------|---------|-------|--------|---------|---------|-------|--------|---------|---------|-------|--------|---------|-----------|------------|
|            |               | LTE              | BW    | UL    | UL      | Mod. | UL# | UL        | LTE     | BW    | DL     | DL      | LTE     | BW    | DL     | DL      | LTE     | BW    | DL     | DL      | LTE     | BW    | DL     | DL      | With CA   | Without CA |
|            |               | Band             | (MHz) | Freq. | Channel |      | RB  | RB Offset | Band    | (MHz) | Freq.  | Channel | Band    | (MHz) | Freq.  | Channel | Band    | (MHz) | Freq.  | Channel | Band    | (MHz) | Freq.  | Channel | Tx. Power | Tx. Power  |
|            |               |                  |       | (MHz) |         |      |     |           |         |       | (MHz)  |         |         |       | (MHz)  |         |         |       | (MHz)  |         |         |       | (MHz)  |         | (dBm)     | (dBm)      |
| Inter-Band | CA_2A-46D-66A | Band 2           | 20M   | 1880  | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5520.2 | 50492   | Band 46 | 20M   | 5540   | 50690   | Band 46 | 20M   | 5559.8 | 50888   | Band 66 | 20M   | 2155   | 66886   | 17.32     | 17.38      |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880  | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5520.2 | 50492   | Band 46 | 20M   | 5540   | 50690   | Band 46 | 20M   | 5559.8 | 50888   | Band 66 | 20M   | 2155   | 66886   | 17.29     | 17.38      |
|            |               | Band 66          | 20M   | 1745  | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960   | 900     | Band 46 | 20M   | 5520.2 | 50492   | Band 46 | 20M   | 5540   | 50690   | Band 46 | 20M   | 5559.8 | 50888   | 17.87     | 17.91      |
|            |               | Band 66(4*4MIMO) | 20M   | 1745  | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960   | 900     | Band 46 | 20M   | 5520.2 | 50492   | Band 46 | 20M   | 5540   | 50690   | Band 46 | 20M   | 5559.8 | 50888   | 17.83     | 17.91      |



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| Configure  |                   | PCC              |       |                |         |      |     |              | SCC1    |       |                |         | SCC2    |       |                |         | SCC3    |       |                |         | SCC4    |       |                |         | Power              |                    |
|------------|-------------------|------------------|-------|----------------|---------|------|-----|--------------|---------|-------|----------------|---------|---------|-------|----------------|---------|---------|-------|----------------|---------|---------|-------|----------------|---------|--------------------|--------------------|
|            |                   | LTE              | BW    | UL             | UL      | Mod. | UL# | UL           | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | With CA            | Without CA         |
|            |                   | Band             | (MHz) | Freq.<br>(MHz) | Channel |      | RB  | RB<br>Offset | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |
| Inter-Band | CA_2A-46A-46C-66A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 66 | 20M   | 2155           | 66886   | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5885.2         | 54142   | Band 46 | 20M   | 5905           | 54340   | 17.29              | 17.38              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 66 | 20M   | 2155           | 66886   | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5885.2         | 54142   | Band 46 | 20M   | 5905           | 54340   | 17.23              | 17.38              |
|            |                   | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 17.86              | 17.91              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 17.82              | 17.91              |
|            | CA_2A-2A-46D      | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 17.26              | 17.38              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 17.22              | 17.38              |
|            | CA_2A-46E         | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5520           | 50490   | Band 46 | 20M   | 5539.8         | 50688   | Band 46 | 20M   | 5559.9         | 50889   | Band 46 | 20M   | 5580           | 50190   | 17.26              | 17.38              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5520           | 50490   | Band 46 | 20M   | 5539.8         | 50688   | Band 46 | 20M   | 5559.9         | 50889   | Band 46 | 20M   | 5580           | 50190   | 17.23              | 17.38              |
|            | CA_2A-46A-46D     | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 17.28              | 17.38              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 17.24              | 17.38              |
|            | CA_4A-46A-46D     | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 17.83              | 17.95              |
|            |                   | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 17.81              | 17.95              |
|            | CA_66A-46A-46D    | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 17.86              | 17.91              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 17.82              | 17.91              |
|            | CA_48E-66A        | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 48 | 20M   | 3609           | 55830   | Band 48 | 20M   | 3628.8         | 56028   | Band 48 | 20M   | 3648.6         | 56226   | Band 48 | 20M   | 3668.4         | 56424   | 17.83              | 17.91              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 48 | 20M   | 3609           | 55830   | Band 48 | 20M   | 3628.8         | 56028   | Band 48 | 20M   | 3648.6         | 56226   | Band 48 | 20M   | 3668.4         | 56424   | 17.78              | 17.91              |
|            |                   | Band 48          | 20M   | 3609           | 55830   | QPSK | 1   | 0            | Band 66 | 20M   | 2155           | 66886   | Band 48 | 20M   | 3628.8         | 56028   | Band 48 | 20M   | 3648.6         | 56226   | Band 48 | 20M   | 3668.4         | 56424   | 16.89              | 16.94              |

| Configure  |               | PCC              |       |                |         |      |     |              | SCC1    |       |                |         | SCC2    |       |                |         | SCC3    |       |                |         | SCC4    |       |                |         | Power              |                    |
|------------|---------------|------------------|-------|----------------|---------|------|-----|--------------|---------|-------|----------------|---------|---------|-------|----------------|---------|---------|-------|----------------|---------|---------|-------|----------------|---------|--------------------|--------------------|
|            |               | LTE              | BW    | UL             | UL      | Mod. | UL# | UL           | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | With CA            | Without CA         |
|            |               | Band             | (MHz) | Freq.<br>(MHz) | Channel |      | RB  | RB<br>Offset | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |
| Inter-Band | CA_2A-46D-66A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | Band 66 | 20M   | 2155           | 66886   | 17.32              | 17.38              |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | Band 66 | 20M   | 2155           | 66886   | 17.29              | 17.38              |
|            |               | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 17.87              | 17.91              |
|            |               | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 17.83              | 17.91              |



<Reduced power mode 3 for Hotspot with 5GHz Wifi>  
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| Configure  |                   | PCC              |       |                |         |      |     |              | SCC1    |       |                |         | SCC2    |       |                |         | SCC3    |       |                |         | SCC4    |       |                |         | Power              |                    |
|------------|-------------------|------------------|-------|----------------|---------|------|-----|--------------|---------|-------|----------------|---------|---------|-------|----------------|---------|---------|-------|----------------|---------|---------|-------|----------------|---------|--------------------|--------------------|
|            |                   | LTE              | BW    | UL             | UL      | Mod. | UL# | UL           | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | With CA            | Without CA         |
|            |                   | Band             | (MHz) | Freq.<br>(MHz) | Channel |      | RB  | RB<br>Offset | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |
| Inter-Band | CA_2A-46A-46C-66A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 66 | 20M   | 2155           | 66886   | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5885.2         | 54142   | Band 46 | 20M   | 5905           | 54340   | 18.89              | 19.09              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 66 | 20M   | 2155           | 66886   | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5885.2         | 54142   | Band 46 | 20M   | 5905           | 54340   | 18.83              | 19.09              |
|            |                   | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 18.93              | 19                 |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 18.89              | 19                 |
|            | CA_2A--2A-46D     | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 18.91              | 19.09              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 18.85              | 19.09              |
|            | CA_2A-46E         | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5520           | 50490   | Band 46 | 20M   | 5539.8         | 50688   | Band 46 | 20M   | 5559.9         | 50889   | Band 46 | 20M   | 5580           | 50190   | 18.88              | 19.09              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5520           | 50490   | Band 46 | 20M   | 5539.8         | 50688   | Band 46 | 20M   | 5559.9         | 50889   | Band 46 | 20M   | 5580           | 50190   | 18.83              | 19.09              |
|            | CA_2A-46A-46D     | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 18.89              | 19.09              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 18.85              | 19.09              |
|            | CA_4A-46A-46D     | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 18.81              | 18.95              |
|            |                   | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 18.75              | 18.95              |
|            | CA_66A-46A-46D    | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 18.96              | 19                 |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 18.92              | 19                 |

| Configure  |               | PCC              |       |       |         |      |     |           | SCC1    |       |        |         | SCC2    |       |        |         | SCC3    |       |        |         | SCC4    |       |        |         | Power     |            |
|------------|---------------|------------------|-------|-------|---------|------|-----|-----------|---------|-------|--------|---------|---------|-------|--------|---------|---------|-------|--------|---------|---------|-------|--------|---------|-----------|------------|
|            |               | LTE              | BW    | UL    | UL      | Mod. | UL# | UL        | LTE     | BW    | DL     | DL      | LTE     | BW    | DL     | DL      | LTE     | BW    | DL     | DL      | LTE     | BW    | DL     | DL      | With CA   | Without CA |
|            |               | Band             | (MHz) | Freq. | Channel |      | RB  | RB Offset | Band    | (MHz) | Freq.  | Channel | Band    | (MHz) | Freq.  | Channel | Band    | (MHz) | Freq.  | Channel | Band    | (MHz) | Freq.  | Channel | Tx. Power | Tx. Power  |
|            |               |                  |       | (MHz) |         |      |     |           |         |       | (MHz)  |         |         |       | (MHz)  |         |         |       | (MHz)  |         |         |       | (MHz)  |         | (MHz)     | (dBm)      |
| Inter-Band | CA_2A-46D-66A | Band 2           | 20M   | 1880  | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5520.2 | 50492   | Band 46 | 20M   | 5540   | 50690   | Band 46 | 20M   | 5559.8 | 50888   | Band 66 | 20M   | 2155   | 66886   | 18.89     | 19.09      |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880  | 18900   | QPSK | 1   | 0         | Band 46 | 20M   | 5520.2 | 50492   | Band 46 | 20M   | 5540   | 50690   | Band 46 | 20M   | 5559.8 | 50888   | Band 66 | 20M   | 2155   | 66886   | 18.81     | 19.09      |
|            |               | Band 66          | 20M   | 1745  | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960   | 900     | Band 46 | 20M   | 5520.2 | 50492   | Band 46 | 20M   | 5540   | 50690   | Band 46 | 20M   | 5559.8 | 50888   | 18.95     | 19         |
|            |               | Band 66(4*4MIMO) | 20M   | 1745  | 132322  | QPSK | 1   | 0         | Band 2  | 20M   | 1960   | 900     | Band 46 | 20M   | 5520.2 | 50492   | Band 46 | 20M   | 5540   | 50690   | Band 46 | 20M   | 5559.8 | 50888   | 18.92     | 19         |



<Reduced power mode 1 for Hotspot>  
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| Configure  |                   | PCC              |       |                |         |      |     |              | SCC1    |       |                |         | SCC2    |       |                |         | SCC3    |       |                |         | SCC4    |       |                |         | Power              |                    |
|------------|-------------------|------------------|-------|----------------|---------|------|-----|--------------|---------|-------|----------------|---------|---------|-------|----------------|---------|---------|-------|----------------|---------|---------|-------|----------------|---------|--------------------|--------------------|
|            |                   | LTE              | BW    | UL             | UL      | Mod. | UL# | UL           | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | With CA            | Without CA         |
|            |                   | Band             | (MHz) | Freq.<br>(MHz) | Channel |      | RB  | RB<br>Offset | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |
| Inter-Band | CA_2A-46A-46C-66A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 66 | 20M   | 2155           | 66886   | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5885.2         | 54142   | Band 46 | 20M   | 5905           | 54340   | 21.26              | 21.38              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 66 | 20M   | 2155           | 66886   | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5885.2         | 54142   | Band 46 | 20M   | 5905           | 54340   | 21.25              | 21.38              |
|            |                   | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 21.69              | 21.78              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 21.67              | 21.78              |
|            | CA_2A--2A-46D     | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 21.24              | 21.38              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 21.22              | 21.38              |
|            | CA_2A-46E         | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5520           | 50490   | Band 46 | 20M   | 5539.8         | 50688   | Band 46 | 20M   | 5559.9         | 50889   | Band 46 | 20M   | 5580           | 50190   | 21.23              | 21.38              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5520           | 50490   | Band 46 | 20M   | 5539.8         | 50688   | Band 46 | 20M   | 5559.9         | 50889   | Band 46 | 20M   | 5580           | 50190   | 21.2               | 21.38              |
|            | CA_2A-46A-46D     | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 21.19              | 21.38              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 21.16              | 21.38              |
|            | CA_4A-46A-46D     | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 21.65              | 21.71              |
|            |                   | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 21.62              | 21.71              |
|            | CA_66A-46A-46D    | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 21.73              | 21.78              |
|            |                   | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 21.69              | 21.78              |

| Configure  |               | PCC              |       |                |         |      |     |              | SCC1    |       |                |         | SCC2    |       |                |         | SCC3    |       |                |         | SCC4    |       |                |         | Power              |                    |
|------------|---------------|------------------|-------|----------------|---------|------|-----|--------------|---------|-------|----------------|---------|---------|-------|----------------|---------|---------|-------|----------------|---------|---------|-------|----------------|---------|--------------------|--------------------|
|            |               | LTE              | BW    | UL             | UL      | Mod. | UL# | UL           | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | With CA            | Without CA         |
|            |               | Band             | (MHz) | Freq.<br>(MHz) | Channel |      | RB  | RB<br>Offset | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |
| Inter-Band | CA_2A-46D-66A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 66 | 20M   | 2155           | 66886   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 21.25              | 21.38              |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 66 | 20M   | 2155           | 66886   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 21.22              | 21.38              |
|            |               | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 21.72              | 21.78              |
|            |               | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 21.68              | 21.78              |



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| Configure  |                   | PCC              |       |                |         |      |     |              | SCC1    |       |                |         | SCC2    |       |                |         | SCC3    |       |                |         | SCC4    |       |                |         | Power              |                    |
|------------|-------------------|------------------|-------|----------------|---------|------|-----|--------------|---------|-------|----------------|---------|---------|-------|----------------|---------|---------|-------|----------------|---------|---------|-------|----------------|---------|--------------------|--------------------|
|            |                   | LTE              | BW    | UL             | UL      | Mod. | UL# | UL           | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | With CA            | Without CA         |
|            |                   | Band             | (MHz) | Freq.<br>(MHz) | Channel |      | RB  | RB<br>Offset | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |
| Inter-Band | CA_2A-46A-46C-66A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 66 | 20M   | 2155           | 66886   | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5885.2         | 54142   | Band 46 | 20M   | 5905           | 54340   | 20.18              | 20.29              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 66 | 20M   | 2155           | 66886   | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5885.2         | 54142   | Band 46 | 20M   | 5905           | 54340   | 20.15              | 20.29              |
|            |                   | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 20.61              | 20.68              |
|            |                   | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 2  | 20M   | 1960           | 900     | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5540.2         | 50692   | Band 46 | 20M   | 5560           | 50890   | 20.59              | 20.68              |
|            | CA_2A--2A-46D     | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 20.23              | 20.29              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 2  | 5M    | 1987.5         | 1175    | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 20.21              | 20.29              |
|            | CA_2A-46E         | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5520           | 50490   | Band 46 | 20M   | 5539.8         | 50688   | Band 46 | 20M   | 5559.9         | 50889   | Band 46 | 20M   | 5580           | 50190   | 20.21              | 20.29              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5520           | 50490   | Band 46 | 20M   | 5539.8         | 50688   | Band 46 | 20M   | 5559.9         | 50889   | Band 46 | 20M   | 5580           | 50190   | 20.2               | 20.29              |
|            | CA_2A-46A-46D     | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 20.19              | 20.29              |
|            |                   | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 20.15              | 20.29              |
|            | CA_4A-46A-46D     | Band 4           | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 20.49              | 20.61              |
|            |                   | Band 4(4*4MIMO)  | 20M   | 1732.5         | 20175   | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 20.46              | 20.61              |
|            | CA_66A-46A-46D    | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 20.56              | 20.68              |
|            | CA_66A-46A-46D    | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0            | Band 46 | 20M   | 5160           | 46890   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 20.5               | 20.68              |

| Configure  |               | PCC              |       |                |         |      |     |        | SCC1    |       |                |         | SCC2    |       |                |         | SCC3    |       |                |         | SCC4    |       |                |         | Power              |                    |
|------------|---------------|------------------|-------|----------------|---------|------|-----|--------|---------|-------|----------------|---------|---------|-------|----------------|---------|---------|-------|----------------|---------|---------|-------|----------------|---------|--------------------|--------------------|
|            |               | LTE              | BW    | UL             | UL      | Mod. | UL# | UL     | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | LTE     | BW    | DL             | DL      | With CA            | Without CA         |
|            |               | Band             | (MHz) | Freq.<br>(MHz) | Channel |      | RB  | Offset | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Band    | (MHz) | Freq.<br>(MHz) | Channel | Tx. Power<br>(dBm) | Tx. Power<br>(dBm) |
| Inter-Band | CA_2A-46D-66A | Band 2           | 20M   | 1880           | 18900   | QPSK | 1   | 0      | Band 66 | 20M   | 2155           | 66886   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 20.24              | 20.29              |
|            |               | Band 2(4*4MIMO)  | 20M   | 1880           | 18900   | QPSK | 1   | 0      | Band 66 | 20M   | 2155           | 66886   | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 20.22              | 20.29              |
|            |               | Band 66          | 20M   | 1745           | 132322  | QPSK | 1   | 0      | Band 2  | 20M   | 1960           | 900     | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 20.58              | 20.68              |
|            |               | Band 66(4*4MIMO) | 20M   | 1745           | 132322  | QPSK | 1   | 0      | Band 2  | 20M   | 1960           | 900     | Band 46 | 20M   | 5520.2         | 50492   | Band 46 | 20M   | 5540           | 50690   | Band 46 | 20M   | 5559.8         | 50888   | 20.56              | 20.68              |

**<Power measurement when Uplink LTE Carrier Aggregation Active>**
**<Intra-Band Uplink carrier aggregation>**
**General Note:**

- i. The device supports intra-band uplink carrier aggregation for LTE B7/B41 with a maximum of two 20MHz component carriers. For intra band contiguous carrier aggregation scenarios, 3GPP 36.101 table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when not-contiguous RB allocation is implemented. The conducted power and MPR setting in this device are permanently implemented pre 3GPP requirement.
- ii. According TCB workshop, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.
- iii. Uplink CA is only operating with power class3, and additional SAR measurement for LTE UL CA whit other DL CA combinations active were not required since the maximum output power for this configuration was not > 0.25dB higher than the maximum output power for UL CA active.

**<Full power>**
**<UAT>**

| CA_7C                                 |             |            |         |           |         |           |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |                      |                     |
| 20850                                 | 21048       | QPSK       | 1       | 99        | 0       | 0         | 20.89                | 22.2                |
| 21100                                 | 20902       | QPSK       | 1       | 99        | 0       | 0         | 20.85                | 22.2                |
| 21350                                 | 21152       | QPSK       | 1       | 99        | 0       | 0         | 20.98                | 22.2                |

| CA_41C-Class 3                        |             |            |         |           |         |           |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |                      |                     |
| 39750                                 | 39948       | QPSK       | 1       | 49        | 0       | 0         | 20.51                | 21.9                |
| 39790                                 | 39988       | QPSK       | 1       | 49        | 0       | 0         | 20.45                | 21.9                |
| 40185                                 | 40383       | QPSK       | 1       | 49        | 0       | 0         | 20.52                | 21.9                |
| 40620                                 | 40422       | QPSK       | 1       | 49        | 0       | 0         | 20.37                | 21.9                |
| 41055                                 | 40857       | QPSK       | 1       | 49        | 0       | 0         | 20.36                | 21.9                |
| 41490                                 | 41292       | QPSK       | 1       | 49        | 0       | 0         | 20.58                | 21.9                |

**<LAT>**

| CA_7C                                 |             |            |         |           |         |           |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |                      |                     |
| 20850                                 | 21048       | QPSK       | 1       | 99        | 0       | 0         | 22.89                | 23.8                |
| 21100                                 | 20902       | QPSK       | 1       | 99        | 0       | 0         | 22.95                | 23.8                |
| 21350                                 | 21152       | QPSK       | 1       | 99        | 0       | 0         | 22.97                | 23.8                |

| CA_41C-Power Class 3                  |             |            |         |           |         |           |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |                      |                     |
| 39750                                 | 39948       | QPSK       | 1       | 49        | 0       | 0         | 22.53                | 23.8                |
| 39790                                 | 39988       | QPSK       | 1       | 49        | 0       | 0         | 22.47                | 23.8                |
| 40185                                 | 40383       | QPSK       | 1       | 49        | 0       | 0         | 22.62                | 23.8                |
| 40620                                 | 40422       | QPSK       | 1       | 49        | 0       | 0         | 22.81                | 23.8                |
| 41055                                 | 40857       | QPSK       | 1       | 49        | 0       | 0         | 22.56                | 23.8                |
| 41490                                 | 41292       | QPSK       | 1       | 49        | 0       | 0         | 23.06                | 23.8                |

**<Reduced power mode 1 for At-Head>**
**<UAT>**

| CA_7C                                 |             |            |     |   |     |   |                      |                     |
|---------------------------------------|-------------|------------|-----|---|-----|---|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) |             |            |     |   |     |   |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC |   | SCC |   | Measured Power (dBm) | Tune up Power (dBm) |
| 20850                                 | 21048       | QPSK       | 50  | 0 | 0   | 0 | 17.55                | 18.2                |
| 21100                                 | 20902       | QPSK       | 50  | 0 | 0   | 0 | 17.63                | 18.2                |
| 21350                                 | 21152       | QPSK       | 50  | 0 | 0   | 0 | 17.56                | 18.2                |

| CA_41C-Power Class 3                  |             |            |         |           |         |           |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |                      |                     |
| 39750                                 | 39948       | QPSK       | 50      | 24        | 0       | 0         | 19.13                | 19.5                |
| 39790                                 | 39988       | QPSK       | 50      | 24        | 0       | 0         | 19.09                | 19.5                |
| 40185                                 | 40383       | QPSK       | 50      | 24        | 0       | 0         | 19.15                | 19.5                |
| 40620                                 | 40422       | QPSK       | 50      | 24        | 0       | 0         | 19.15                | 19.5                |
| 41055                                 | 40857       | QPSK       | 50      | 24        | 0       | 0         | 19.01                | 19.5                |
| 41490                                 | 41292       | QPSK       | 50      | 24        | 0       | 0         | 19.16                | 19.5                |

<Reduced power mode 2 for At-Head with 2.4GHz Wifi>

<UAT>

| CA_7C                                 |             |            |     |   |     |   |                      |                     |
|---------------------------------------|-------------|------------|-----|---|-----|---|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) |             |            |     |   |     |   |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC |   | SCC |   | Measured Power (dBm) | Tune up Power (dBm) |
| 20850                                 | 21048       | QPSK       | 50  | 0 | 0   | 0 | 18.01                | 18.3                |
| 21100                                 | 20902       | QPSK       | 50  | 0 | 0   | 0 | 18.11                | 18.3                |
| 21350                                 | 21152       | QPSK       | 50  | 0 | 0   | 0 | 18.16                | 18.3                |

| CA_41C-Power Class 3                  |             |            |         |           |         |           |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |                      |                     |
| 39750                                 | 39948       | QPSK       | 50      | 24        | 0       | 0         | 19.13                | 19.5                |
| 39790                                 | 39988       | QPSK       | 50      | 24        | 0       | 0         | 19.09                | 19.5                |
| 40185                                 | 40383       | QPSK       | 50      | 24        | 0       | 0         | 19.15                | 19.5                |
| 40620                                 | 40422       | QPSK       | 50      | 24        | 0       | 0         | 19.15                | 19.5                |
| 41055                                 | 40857       | QPSK       | 50      | 24        | 0       | 0         | 19.01                | 19.5                |
| 41490                                 | 41292       | QPSK       | 50      | 24        | 0       | 0         | 19.16                | 19.5                |

<Reduced power mode 2 for At-Head with 5GHz Wifi>

<UAT>

| CA_7C                                 |             |            |     |   |     |   |                      |                     |
|---------------------------------------|-------------|------------|-----|---|-----|---|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) |             |            |     |   |     |   |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC |   | SCC |   | Measured Power (dBm) | Tune up Power (dBm) |
| 20850                                 | 21048       | QPSK       | 50  | 0 | 0   | 0 | 17.55                | 18.2                |
| 21100                                 | 20902       | QPSK       | 50  | 0 | 0   | 0 | 17.63                | 18.2                |
| 21350                                 | 21152       | QPSK       | 50  | 0 | 0   | 0 | 17.56                | 18.2                |

| CA_41C-Power Class 3                  |             |            |         |           |         |           |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |                      |                     |
| 39750                                 | 39948       | QPSK       | 1       | 49        | 0       | 0         | 20.28                | 20.5                |
| 39790                                 | 39988       | QPSK       | 1       | 49        | 0       | 0         | 20.26                | 20.5                |
| 40185                                 | 40383       | QPSK       | 1       | 49        | 0       | 0         | 19.94                | 20.5                |
| 40620                                 | 40422       | QPSK       | 1       | 49        | 0       | 0         | 20.07                | 20.5                |
| 41055                                 | 40857       | QPSK       | 1       | 49        | 0       | 0         | 19.79                | 20.5                |
| 41490                                 | 41292       | QPSK       | 1       | 49        | 0       | 0         | 20.27                | 20.5                |

<Reduced power mode 3 for Hotspot with 5GHz Wifi>

<UAT>

| CA_7C                                 |             |            |     |   |     |   |                      |                     |
|---------------------------------------|-------------|------------|-----|---|-----|---|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) |             |            |     |   |     |   |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC |   | SCC |   | Measured Power (dBm) | Tune up Power (dBm) |
| 20850                                 | 21048       | QPSK       | 50  | 0 | 0   | 0 | 19.56                | 20.2                |
| 21100                                 | 20902       | QPSK       | 50  | 0 | 0   | 0 | 19.69                | 20.2                |
| 21350                                 | 21152       | QPSK       | 50  | 0 | 0   | 0 | 19.72                | 20.2                |

<Reduced power mode 1 for Hotspot>

<LAT>

| CA_7C                                 |             |            |         |           |         |           |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |                      |                     |
| 20850                                 | 21048       | QPSK       | 1       | 99        | 0       | 0         | 21.51                | 22                  |
| 21100                                 | 20902       | QPSK       | 1       | 99        | 0       | 0         | 21.75                | 22                  |
| 21350                                 | 21152       | QPSK       | 1       | 99        | 0       | 0         | 21.86                | 22                  |

<Reduced power for Product specific>

<LAT>

| CA_7C                                 |             |            |         |           |         |           |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |                      |                     |
| 20850                                 | 21048       | QPSK       | 1       | 99        | 0       | 0         | 20.96                | 22                  |
| 21100                                 | 20902       | QPSK       | 1       | 99        | 0       | 0         | 21.02                | 22                  |
| 21350                                 | 21152       | QPSK       | 1       | 99        | 0       | 0         | 21.14                | 22                  |

**<WLAN Conducted Power>****General Note:**

1. Per KDB 248227 D01v02r02, SAR test reduction is determined according to 802.11 transmission mode configurations and certain exposure conditions with multiple test positions. In the 2.4 GHz band, separate SAR procedures are applied to DSSS and OFDM configurations to simplify DSSS test requirements. For OFDM, in both 2.4 and 5 GHz bands, an initial test configuration must be determined for each standalone and aggregated frequency band, according to the transmission mode configuration with the highest maximum output power specified for production units to perform SAR measurements. If the same highest maximum output power applies to different combinations of channel bandwidths, modulations and data rates, additional procedures are applied to determine which test configurations require SAR measurement. When applicable, an initial test position may be applied to reduce the number of SAR measurements required for next to the ear, UMPC mini-tablet or hotspot mode configurations with multiple test positions.
2. For 2.4 GHz 802.11b DSSS, either the initial test position procedure for multiple exposure test positions or the DSSS procedure for fixed exposure position is applied; these are mutually exclusive. For 2.4 GHz and 5 GHz OFDM configurations, the initial test configuration is applied to measure SAR using either the initial test position procedure for multiple exposure test position configurations or the initial test configuration procedures for fixed exposure test conditions. Based on the reported SAR of the measured configurations and maximum output power of the transmission mode configurations that are not included in the initial test configuration, the subsequent test configuration and initial test position procedures are applied to determine if SAR measurements are required for the remaining OFDM transmission configurations. In general, the number of test channels that require SAR measurement is minimized based on maximum output power measured for the test sample(s).
3. For OFDM transmission configurations in the 2.4 GHz and 5 GHz bands, When the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel for each frequency band.
4. DSSS and OFDM configurations are considered separately according to the required SAR procedures. SAR is measured in the initial test position using the 802.11 transmission mode configuration required by the DSSS procedure or initial test configuration and subsequent test configuration(s) according to the OFDM procedures.<sup>18</sup> The initial test position procedure is described in the following:
  - a. When the reported SAR of the initial test position is  $\leq 0.4$  W/kg, further SAR measurement is not required for the other test positions in that exposure configuration and 802.11 transmission mode combinations within the frequency band or aggregated band.
  - b. When the reported SAR of the test position is  $> 0.4$  W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is  $\leq 0.8$  W/kg or all required test position are tested.
  - c. For all positions/configurations, when the reported SAR is  $> 0.8$  W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is  $\leq 1.2$  W/kg or all required channels are tested.

**<Full power>**
**<2.4GHz WLAN ANT 1+2>**

| 2.4GHz WLAN<br>ANT 1+2 | Mode                   | Channel | Frequency<br>(MHz) | Average power<br>(dBm) | Tune-Up<br>Limit | Duty Cycle % |
|------------------------|------------------------|---------|--------------------|------------------------|------------------|--------------|
|                        | 802.11b 1Mbps          | 1       | 2412               | 22.07                  | 23.07            | 99.24        |
|                        |                        | 6       | 2437               | 21.87                  | 23.07            |              |
|                        |                        | 11      | 2462               | 21.41                  | 23.07            |              |
|                        | 802.11g 6Mbps          | 1       | 2412               | 21.07                  | 22.07            | 98.41        |
|                        |                        | 6       | 2437               | 20.85                  | 22.07            |              |
|                        |                        | 11      | 2462               | 20.45                  | 22.07            |              |
|                        | 802.11n-HT20<br>MCS0   | 1       | 2412               | 21.01                  | 22.01            | 98.30        |
|                        |                        | 6       | 2437               | 20.94                  | 22.01            |              |
|                        |                        | 11      | 2462               | 20.50                  | 22.01            |              |
|                        | 802.11n-HT40<br>MCS0   | 3       | 2422               | 18.77                  | 20.10            | 94.98        |
|                        |                        | 6       | 2437               | 19.10                  | 20.10            |              |
|                        |                        | 9       | 2452               | 18.86                  | 20.10            |              |
|                        | 802.11ac-VHT20<br>MCS0 | 1       | 2412               | 20.86                  | 21.86            | 96.62        |
|                        |                        | 6       | 2437               | 20.84                  | 21.86            |              |
|                        |                        | 11      | 2462               | 20.40                  | 21.86            |              |
|                        | 802.11ac-VHT40<br>MCS0 | 3       | 2422               | 18.67                  | 19.90            | 90.94        |
|                        |                        | 6       | 2437               | 18.90                  | 19.90            |              |
|                        |                        | 9       | 2452               | 18.76                  | 19.90            |              |

**<5GHz WLAN ANT1+2>**

| 5.2GHz WLAN<br>ANT 1+2 | Mode                   | Channel | Frequency<br>(MHz) | Average power<br>(dBm) | Tune-Up<br>Limit | Duty Cycle % |
|------------------------|------------------------|---------|--------------------|------------------------|------------------|--------------|
|                        | 802.11a 6Mbps          | 36      | 5180               | 20.72                  | 21.89            | 97.86        |
|                        |                        | 40      | 5200               | 20.65                  | 21.89            |              |
|                        |                        | 44      | 5220               | 20.89                  | 21.89            |              |
|                        |                        | 48      | 5240               | 20.88                  | 21.89            |              |
|                        | 802.11n-HT20<br>MCS0   | 36      | 5180               | 20.57                  | 21.76            | 98.08        |
|                        |                        | 40      | 5200               | 20.65                  | 21.76            |              |
|                        |                        | 44      | 5220               | 20.75                  | 21.76            |              |
|                        |                        | 48      | 5240               | 20.76                  | 21.76            |              |
|                        | 802.11n-HT40<br>MCS0   | 38      | 5190               | 20.57                  | 21.79            | 96.17        |
|                        |                        | 46      | 5230               | 20.79                  | 21.79            |              |
|                        | 802.11ac-VHT20<br>MCS0 | 36      | 5180               | 20.55                  | 21.74            | 95.63        |
|                        |                        | 40      | 5200               | 20.58                  | 21.74            |              |
|                        |                        | 44      | 5220               | 20.68                  | 21.74            |              |
|                        |                        | 48      | 5240               | 20.74                  | 21.74            |              |
|                        | 802.11ac-VHT40<br>MCS0 | 38      | 5190               | 20.51                  | 21.72            | 93.00        |
|                        |                        | 46      | 5230               | 20.72                  | 21.72            |              |
|                        | 802.11ac-VHT80<br>MCS0 | 42      | 5210               | 19.73                  | 21.72            | 87.13        |

| 5.3GHz WLAN<br>ANT 1+2 | Mode                   | Channel | Frequency<br>(MHz) | Average power<br>(dBm) | Tune-Up<br>Limit | Duty Cycle % |
|------------------------|------------------------|---------|--------------------|------------------------|------------------|--------------|
|                        | 802.11a 6Mbps          | 52      | 5260               | 19.73                  | 20.73            | 97.86        |
|                        |                        | 56      | 5280               | 19.47                  | 20.73            |              |
|                        |                        | 60      | 5300               | 19.53                  | 20.73            |              |
|                        |                        | 64      | 5320               | 19.51                  | 20.73            |              |
|                        | 802.11n-HT20<br>MCS0   | 52      | 5260               | 19.66                  | 20.66            | 98.08        |
|                        |                        | 56      | 5280               | 19.44                  | 20.66            |              |
|                        |                        | 60      | 5300               | 19.48                  | 20.66            |              |
|                        |                        | 64      | 5320               | 19.52                  | 20.66            |              |
|                        | 802.11n-HT40<br>MCS0   | 54      | 5270               | 19.50                  | 20.51            | 96.17        |
|                        |                        | 62      | 5310               | 19.51                  | 20.51            |              |
|                        | 802.11ac-VHT20<br>MCS0 | 52      | 5260               | 19.61                  | 20.61            | 95.63        |
|                        |                        | 56      | 5280               | 19.42                  | 20.61            |              |
|                        |                        | 60      | 5300               | 19.40                  | 20.61            |              |
|                        |                        | 64      | 5320               | 19.50                  | 20.61            |              |
|                        | 802.11ac-VHT40<br>MCS0 | 54      | 5270               | 19.44                  | 20.45            | 93.00        |
|                        |                        | 62      | 5310               | 19.45                  | 20.45            |              |
|                        | 802.11ac-VHT80<br>MCS0 | 58      | 5290               | 18.84                  | 19.84            | 87.13        |

| 5.5GHz WLAN<br>ANT 1+2 | Mode                   | Channel | Frequency<br>(MHz) | Average power<br>(dBm) | Tune-Up<br>Limit | Duty Cycle % |
|------------------------|------------------------|---------|--------------------|------------------------|------------------|--------------|
|                        | 802.11a 6Mbps          | 100     | 5500               | 20.25                  | 21.25            | 97.86        |
|                        |                        | 116     | 5580               | 20.18                  | 21.25            |              |
|                        |                        | 124     | 5620               | 20.13                  | 21.25            |              |
|                        |                        | 132     | 5660               | 20.16                  | 21.25            |              |
|                        |                        | 140     | 5700               | 20.13                  | 21.25            |              |
|                        |                        | 144     | 5720               | 20.18                  | 21.25            |              |
|                        | 802.11n-HT20<br>MCS0   | 100     | 5500               | 20.14                  | 21.14            | 98.08        |
|                        |                        | 116     | 5580               | 20.05                  | 21.14            |              |
|                        |                        | 124     | 5620               | 19.94                  | 21.14            |              |
|                        |                        | 132     | 5660               | 19.98                  | 21.14            |              |
|                        |                        | 140     | 5700               | 20.01                  | 21.14            |              |
|                        |                        | 144     | 5720               | 19.99                  | 21.14            |              |
|                        | 802.11n-HT40<br>MCS0   | 102     | 5510               | 20.11                  | 21.11            | 96.17        |
|                        |                        | 110     | 5550               | 20.08                  | 21.11            |              |
|                        |                        | 126     | 5630               | 20.06                  | 21.11            |              |
|                        |                        | 134     | 5670               | 20.08                  | 21.11            |              |
|                        |                        | 142     | 5710               | 20.05                  | 21.11            |              |
|                        | 802.11ac-VHT20<br>MCS0 | 100     | 5500               | 20.06                  | 21.06            | 95.63        |
|                        |                        | 116     | 5580               | 20.00                  | 21.06            |              |
|                        |                        | 124     | 5620               | 19.91                  | 21.06            |              |
|                        |                        | 132     | 5660               | 19.93                  | 21.06            |              |
|                        |                        | 140     | 5700               | 19.97                  | 21.06            |              |
|                        |                        | 144     | 5720               | 19.95                  | 21.06            |              |
|                        | 802.11ac-VHT40<br>MCS0 | 102     | 5510               | 20.05                  | 21.05            | 93.00        |
|                        |                        | 110     | 5550               | 20.02                  | 21.05            |              |
|                        |                        | 126     | 5630               | 20.01                  | 21.05            |              |
|                        |                        | 134     | 5670               | 20.04                  | 21.05            |              |
|                        |                        | 142     | 5710               | 20.02                  | 21.05            |              |
|                        | 802.11ac-VHT80<br>MCS0 | 106     | 5530               | 19.63                  | 20.63            | 87.13        |
|                        |                        | 122     | 5610               | 19.44                  | 20.63            |              |
|                        |                        | 138     | 5690               | 19.34                  | 20.63            |              |

| 5.8GHz WLAN<br>ANT 1+2 | Mode                   | Channel | Frequency<br>(MHz) | Average power<br>(dBm) | Tune-Up<br>Limit | Duty Cycle % |
|------------------------|------------------------|---------|--------------------|------------------------|------------------|--------------|
|                        | 802.11a 6Mbps          | 149     | 5745               | 20.31                  | 21.39            | 97.86        |
|                        |                        | 157     | 5785               | 20.27                  | 21.39            |              |
|                        |                        | 165     | 5825               | 20.39                  | 21.39            |              |
|                        | 802.11n-HT20<br>MCS0   | 149     | 5745               | 20.25                  | 21.36            | 98.08        |
|                        |                        | 157     | 5785               | 20.31                  | 21.36            |              |
|                        |                        | 165     | 5825               | 20.36                  | 21.36            |              |
|                        | 802.11n-HT40<br>MCS0   | 151     | 5755               | 20.02                  | 21.08            | 96.17        |
|                        |                        | 159     | 5795               | 20.08                  | 21.08            |              |
|                        | 802.11ac-VHT20<br>MCS0 | 149     | 5745               | 20.21                  | 21.33            | 95.63        |
|                        |                        | 157     | 5785               | 20.27                  | 21.33            |              |
|                        |                        | 165     | 5825               | 20.33                  | 21.33            |              |
|                        | 802.11ac-VHT40<br>MCS0 | 151     | 5755               | 19.99                  | 21.04            | 93.00        |
|                        |                        | 159     | 5795               | 20.04                  | 21.04            |              |
|                        | 802.11ac-VHT80<br>MCS0 | 155     | 5775               | 19.46                  | 20.46            | 87.13        |

**<Reduced power mode 1 for At-Head>**
**<2.4GHz WLAN ANT 1+2>**

| 2.4GHz WLAN<br>ANT 1+2 | Mode                   | Channel | Frequency<br>(MHz) | Average power<br>(dBm) | Tune-Up<br>Limit | Duty Cycle % |
|------------------------|------------------------|---------|--------------------|------------------------|------------------|--------------|
|                        | 802.11b 1Mbps          | 1       | 2412               | 19.07                  | 19.50            | 99.24        |
|                        |                        | 6       | 2437               | 18.81                  | 19.00            |              |
|                        |                        | 11      | 2462               | 18.24                  | 18.50            |              |
|                        | 802.11g 6Mbps          | 1       | 2412               | 17.96                  | 18.50            | 98.41        |
|                        |                        | 6       | 2437               | 17.71                  | 18.50            |              |
|                        |                        | 11      | 2462               | 17.42                  | 18.50            |              |
|                        | 802.11n-HT20<br>MCS0   | 1       | 2412               | 17.91                  | 18.50            | 98.30        |
|                        |                        | 6       | 2437               | 17.77                  | 18.50            |              |
|                        |                        | 11      | 2462               | 17.42                  | 18.50            |              |
|                        | 802.11n-HT40<br>MCS0   | 3       | 2422               | 15.72                  | 16.50            | 94.98        |
|                        |                        | 6       | 2437               | 16.03                  | 16.50            |              |
|                        |                        | 9       | 2452               | 15.71                  | 16.50            |              |
|                        | 802.11ac-VHT20<br>MCS0 | 1       | 2412               | 17.81                  | 18.50            | 96.62        |
|                        |                        | 6       | 2437               | 17.67                  | 18.50            |              |
|                        |                        | 11      | 2462               | 17.27                  | 18.50            |              |
|                        | 802.11ac-VHT40<br>MCS0 | 3       | 2422               | 15.57                  | 16.50            | 90.94        |
|                        |                        | 6       | 2437               | 15.83                  | 16.50            |              |
|                        |                        | 9       | 2452               | 15.61                  | 16.50            |              |

**<Reduced power mode 1 for Hotspot>**
**<5GHz WLAN ANT1+2>**

| 5.2GHz WLAN<br>ANT 1+2 | Mode                   | Channel | Frequency<br>(MHz) | Average power<br>(dBm) | Tune-Up<br>Limit | Duty Cycle % |
|------------------------|------------------------|---------|--------------------|------------------------|------------------|--------------|
|                        | 802.11a 6Mbps          | 36      | 5180               | 17.70                  | 18.00            | 97.86        |
|                        |                        | 40      | 5200               | 17.63                  | 18.00            |              |
|                        |                        | 44      | 5220               | 17.86                  | 18.00            |              |
|                        |                        | 48      | 5240               | 17.85                  | 18.00            |              |
|                        | 802.11n-HT20<br>MCS0   | 36      | 5180               | 17.56                  | 17.90            | 98.08        |
|                        |                        | 40      | 5200               | 17.61                  | 17.90            |              |
|                        |                        | 44      | 5220               | 17.73                  | 17.90            |              |
|                        |                        | 48      | 5240               | 17.73                  | 17.90            |              |
|                        | 802.11n-HT40<br>MCS0   | 38      | 5190               | 17.54                  | 17.90            | 96.17        |
|                        |                        | 46      | 5230               | 17.76                  | 17.90            |              |
|                        | 802.11ac-VHT20<br>MCS0 | 36      | 5180               | 17.54                  | 17.90            | 95.63        |
|                        |                        | 40      | 5200               | 17.54                  | 17.90            |              |
|                        |                        | 44      | 5220               | 17.65                  | 17.90            |              |
|                        |                        | 48      | 5240               | 17.71                  | 17.90            |              |
|                        | 802.11ac-VHT40<br>MCS0 | 38      | 5190               | 17.49                  | 17.90            | 93.00        |
|                        |                        | 46      | 5230               | 17.69                  | 17.90            |              |
|                        | 802.11ac-VHT80<br>MCS0 | 42      | 5210               | 16.71                  | 17.00            | 87.13        |

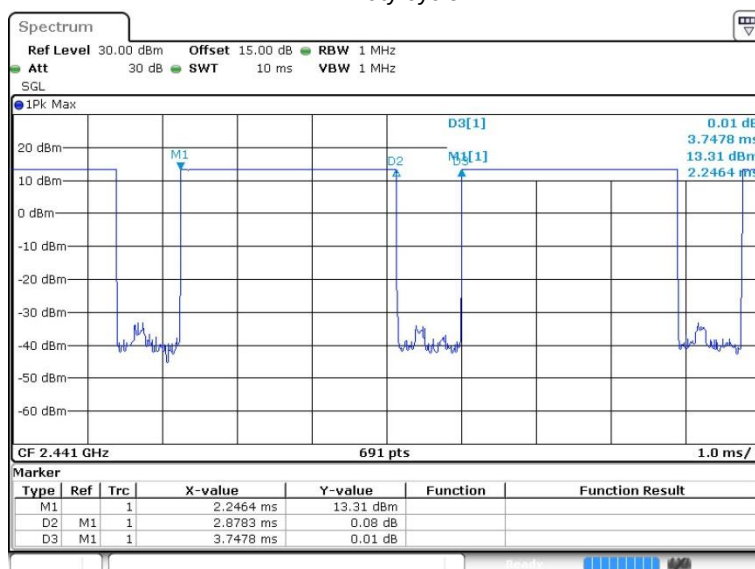
**<2.4GHz Bluetooth>**

| Mode          | Channel | Frequency (MHz) | Average power (dBm) |       |       |
|---------------|---------|-----------------|---------------------|-------|-------|
|               |         |                 | 1Mbps               | 2Mbps | 3Mbps |
| BR / EDR      | CH 00   | 2402            | 12.90               | 10.30 | 10.30 |
|               | CH 39   | 2441            | 14.40               | 11.20 | 11.20 |
|               | CH 78   | 2480            | 12.30               | 10.00 | 10.00 |
| Tune-up Limit |         |                 | 15.4                |       |       |

| Mode          | Channel | Frequency (MHz) | Average power (dBm) |       |
|---------------|---------|-----------------|---------------------|-------|
|               |         |                 | 1Mbps               | 2Mbps |
| LE            | CH 00   | 2402            | 9.90                | 10.00 |
|               | CH 19   | 2440            | 10.90               | 11.00 |
|               | CH 39   | 2480            | 9.60                | 9.70  |
| Tune-up Limit |         |                 | 11.90               | 12.00 |

**General Note:**

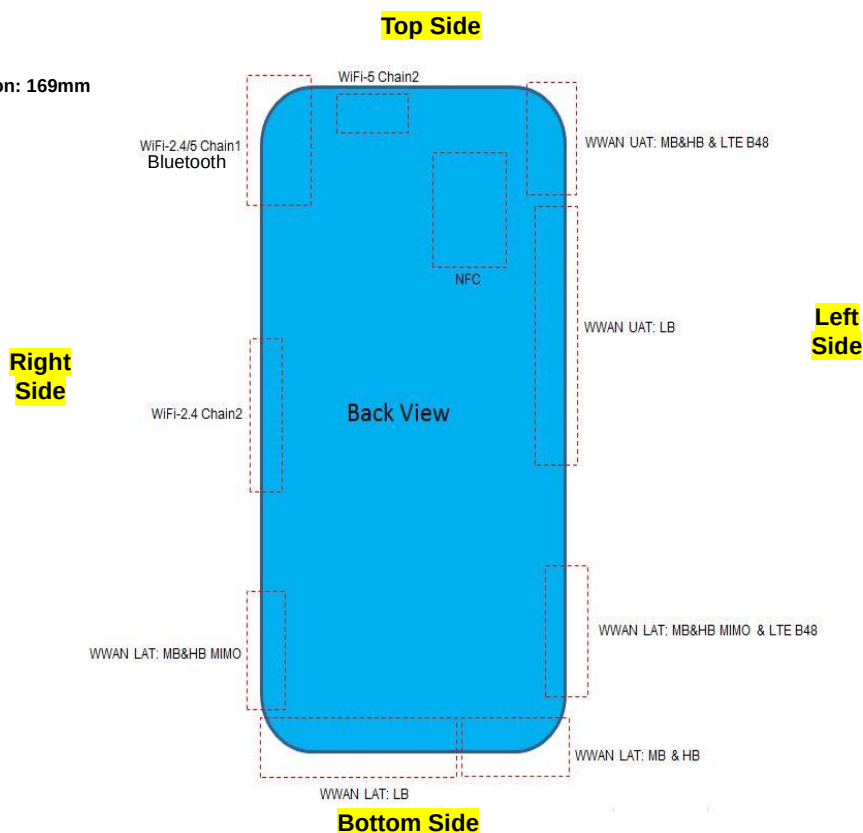
- For 2.4GHz Bluetooth SAR testing was selected 1Mbps due to its highest average power and duty cycle is 76.80% considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation.

**BT Duty cycle**


## 12. Antenna Location

### <Mobile Phone>

EUT dimension:  
Length: 162.6mm  
Weigh: 75.9mm  
Diagonal dimension: 169mm



#### General Note:

- Referring to KDB 941225 D06 v02r01, when the overall device length and width are  $\geq 9\text{cm} \times 5\text{cm}$ , the test distance is 10 mm. SAR must be measured for all sides and surfaces with a transmitting antenna located within 25mm from that surface or edge. Therefore, the WWAN UAT is not required for Bottom side, the WWAN LAT is not required for Top Side, WLAN/BT is not required for bottom side.
- This device has WWAN UAT and LAT transmitter antennas. LAT antenna is located at the bottom edge of the device; UAT antenna is located at the left side of top edge of the device, and which can refer to antenna location chapter. LAT antenna frequency bands include GSM850/1900, WCDMA B2 / B4 / B5, CDMA BC0 / BC1 and LTE B2 / B4 / B5 / B7 / B12 / B13 / B17 / B25 / B26 / B30 / B38 / B41 / B66 / B71, UAT antenna frequency bands include GSM850/1900, WCDMA B2 / B4 / B5, CDMA BC0 / BC1 and LTE B2 / B4 / B5 / B7 / B12 / B13 / B17 / B25 / B26 / B30 / B38 / B41 / B48 / B66 / B71

## 13. SAR Test Results

### General Note:

1. Per KDB 447498 D01v06, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
  - a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
  - b. For SAR testing of WLAN signal with non-100% duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)"
  - c. For WWAN: Reported SAR(W/kg)= Measured SAR(W/kg)\*Tune-up Scaling Factor
  - d. For WLAN/Bluetooth: Reported SAR(W/kg)= Measured SAR(W/kg)\* Duty Cycle scaling factor \* Tune-up scaling factor
  - e. For TDD LTE SAR measurement, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix 63.3%/62.9% = 1.006 is applied to scale-up the measured SAR result.  
The Reported TDD LTE SAR = measured SAR (W/kg)\* Tune-up Scaling Factor\* scaling factor for extended cyclic prefix.
2. Per KDB 447498 D01v06, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the *reported* 1-g or 10-g SAR for the mid-band or highest output power channel is:
  - $\leq 0.8$  W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is  $\leq 100$  MHz
  - $\leq 0.6$  W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
  - $\leq 0.4$  W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is  $\geq 200$  MHz
3. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is  $\geq 0.8$ W/kg.
4. Per KDB 648474 D04v01r03, when the reported SAR for a body-worn accessory measured without a headset connected to the handset is  $\leq 1.2$  W/kg, SAR testing with a headset connected to the handset is not required.
5. Per KDB648474 D04v01r03, for smart phones with a display diagonal dimension  $> 15.0$  cm or an overall diagonal dimension  $> 16.0$  cm, when hotspot mode applies, 10-g product specific SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR  $> 1.2$  W/kg, however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold, for this device only bottom side SAR for WWAN transmitter scaled to maximum output power is higher than 1.2W/kg of WCDMA B2/B4, CDMA BC1 and LTE B7/B25/B66, therefore product specific SAR is necessary.
6. For 5.3GHz / 5.5GHz WLAN product specific SAR is necessary too, due to an overall diagonal dimension is  $> 16$ cm.

### GSM Note:

1. Per KDB 941225 D01v03r01, for SAR test reduction for GSM / GPRS / EDGE modes is determined by the source-based time-averaged output power including tune-up tolerance. The mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.
2. Other configurations of GSM / GPRS / EDGE are considered as secondary modes. The 3G SAR test reduction procedure is applied, when the maximum output power and tune-up tolerance specified for production units in a secondary mode is  $\leq \frac{1}{4}$  dB higher than the primary mode, SAR measurement is not required for the secondary mode.

### UMTS Note:

1. Per KDB 941225 D01v03r01, for SAR testing is measured using a 12.2 kbps RMC with TPC bits configured to all "1's".
2. Per KDB 941225 D01v03r01, RMC 12.2kbps setting is used to evaluate SAR. The maximum output power and tune-up tolerance specified for production units in HSDPA / HSUPA / DC-HSDPA / HSPA+ is  $\leq \frac{1}{4}$  dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA / DC-HSDPA / HSPA+ to RMC12.2Kbps and the adjusted SAR is  $\leq 1.2$  W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA / HSPA+, and according to the following RF output power, the output power results of the secondary modes (HSUPA, HSDPA, DC-HSDPA) are less than  $\frac{1}{4}$  dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA / HSPA+.

**CDMA Note:**

1. Per KDB 941225 D01v03r01, SAR for next to the ear head exposure is measured in RC3 with the handset configured to transmit at full rate in SO55.
2. Per KDB 941225 D01v03r01, in Hotspot mode EUT is treated as data device and SAR is tested with Ev-Do Rev 0 (RTAP 153.6kbps) as the primary mode.
3. Per KDB 941225 D01v03r01, for Body-worn accessory SAR is measured in RC3 with the handset configured in TDSO/SO32 to transmit at full rate on FCH only with all other code channels disabled. The body-worn accessory procedures in KDB Publication 447498 are applied. The 3G SAR test reduction procedure is applied to the multiple code channel configuration (FCH+SCH), with FCH only as the primary mode.

**LTE Note:**

1. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
2. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
3. Per KDB 941225 D05v02r05, For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are  $\leq 0.8$  W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is  $> 1.45$  W/kg, the remaining required test channels must also be tested.
4. Per KDB 941225 D05v02r05, 16QAM output power for each RB allocation configuration is  $>$  not  $\frac{1}{2}$  dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is  $\leq 1.45$  W/kg; Per KDB 941225 D05v02r05, 16QAM SAR testing is not required.
5. Per KDB 941225 D05v02r05, Smaller bandwidth output power for each RB allocation configuration is  $>$  not  $\frac{1}{2}$  dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is  $\leq 1.45$  W/kg; Per KDB 941225 D05v02r05, smaller bandwidth SAR testing is not required.
6. For LTE B4 / B5 / B12 / B17 / B26 the maximum bandwidth does not support three non-overlapping channels, per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.
7. For some LTE bands SAR wrer not required, due to the maximum output power include tolerance for the smaller band is  $\leq$  the larger band and the channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band to qualify for the SAR test exclusion

**WLAN Note:**

1. Per KDB 248227 D01v02r02, for 2.4GHz 802.11g/n SAR testing is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg.
2. Per KDB 248227 D01v02r02, U-NII-1 SAR testing is not required when the U-NII-2A band highest reported SAR for a test configuration is  $\leq 1.2$  W/kg, SAR is not required for U-NII-1 band.
3. When the reported SAR of the test position is  $> 0.4$  W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is  $\leq 0.8$  W/kg or all required test position are tested.
4. For all positions / configurations, when the reported SAR is  $> 0.8$  W/kg, SAR is measured for these test positions / configurations on the subsequent next highest measured output power channel(s) until the reported SAR is  $\leq 1.2$  W/kg or all required channels are tested.
5. During SAR testing the WLAN transmission was verified using a spectrum analyzer.

**Power State Note:**

1. There are two power reduction levels when LAT Antenna is transmitting, three power reduction levels when UAT antenna is transmitting. More detail descriptions of the power reduction mechanism could refer as below:

1) For LAT antenna (2 sets of power reduction levels).

a. Hotspot exposure condition:

Reduced power level 1 –UMTS B2/B4, CDMA BC1, LTE B2 / B4 / B7 / B25 / B66, while the device is transmitting at the LAT antenna and hotspot mode is enabled, power reduction enabled for those bands.

b. Product specific exposure conditions

Reduced power level 2 – UMTS B2 / B4, CDMA BC1, LTE B2 / B4 / B7 / B25 / B66, while the device is transmitting at the LAT antenna and P-sensor can detect handheld state, for product specific 10g SAR condition, reduced powers will be active for those bands.

2) For UAT antenna (3 sets of power reduction levels).

a. Head exposure conditions:

Reduced power level 1 – GSM850/1900, WCDMA B2 / B4, CDMA BC1, LTE B2 / B4 / B7 / B13 / B25 / B30 / B66 / B38 / B41 / B48, LTE Uplink 7C and 41C, while the device is transmitting at the UAT antenna, and the audio is actively routed through the earpiece receiver, and the proximity sensor is triggered which indicating the next-to-head condition and the LCD display is off, power reduction enabled for those bands.

Reduced power level 2 –GSM 850/1900, WCDMA B2 / B4 / B5, CDMA BC0 / BC1, LTE B2 / B4 / B5 / B7 / B12 / B13 / B25 / B30 / B38 / B41 / B48 / B66, LTE Uplink 7C and 41C. While the device WLAN 2.4GHz is transmitting simultaneously with the UAT antenna, and the audio is actively routed through the earpiece receiver, and the proximity sensor is triggered which indicating the next-to-head condition and the LCD display is off, power reduction enabled for those bands.

Reduced power level 2 – GSM 850/1900, WCDMA B2 / B4, CDMA BC0 / BC1, LTE B2 / B4 / B7 / B13 / B25 / B30 / B38 / B41 / B48 / B66, LTE Uplink 7C and 41C. While the device WLAN 5GHz/BT is transmitting simultaneously with the UAT antenna, and the audio is actively routed through the earpiece receiver, and the proximity sensor is triggered which indicating the next-to-head condition and the LCD display is off, power reduction enabled for those bands.

b. Head exposure conditions:

Reduced power level 3 – LTE B5 / B13. While the device is transmitting at the WWAN UAT antenna and WLAN is transmitting at 2.4GHz WLAN also hotspot mode is enabled, power reduction enabled for those bands.

Reduced power level 3 – GSM 850/1900, WCDMA B2 / B4 / B5, CDMA BC0 / BC1, LTE B2 / B4 / B5 / B7 / B12 / B13 / B17 / B25 / B26 / B66 / B71. While the device is transmitting at the WWAN UAT antenna and WLAN is transmitting at 5GHz WLAN or BT also hotspot mode is enabled, power reduction enabled for those bands.

2. For WLAN transmitter

a. Head exposure conditions:

Reduced power level 1 –When the audio is actively routed through the earpiece receiver, and the proximity sensor is triggered which indicating the next-to-head condition and the LCD display is off, power reduction enabled for WLAN2.4GHz MIMO.

Reduced power level 1 –While the device 2.4GHz WLAN is transmitting simultaneously with the WWAN UAT/LAT antenna, and the audio is actively routed through the earpiece receiver, and the proximity sensor is triggered which indicating the next-to-head condition and the LCD display is off.

b. Hotspot exposure conditions:

Reduced power level 1 –While the device 5GHz WLAN is transmitting simultaneously with the WWAN UAT/LAT antenna and the Hotspot mode is enabled



### 13.1 Head SAR

#### <GSM SAR>

| Plot No. | Band        | Mode             | Test Position | Gap (mm) | Power State      | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-------------|------------------|---------------|----------|------------------|-----|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
|          | GSM850_UAT  | GPRS(3 Tx slots) | Right Cheek   | 0mm      | 1 or 2 with 5GHz | 128 | 824.2       | 27.74               | 28.30               | 1.138                  | 0.05             | 0.558                  | 0.635                  |
|          | GSM850_UAT  | GPRS(3 Tx slots) | Right Tilted  | 0mm      | 1 or 2 with 5GHz | 128 | 824.2       | 27.74               | 28.30               | 1.138                  | -0.06            | 0.126                  | 0.143                  |
|          | GSM850_UAT  | GPRS(3 Tx slots) | Left Cheek    | 0mm      | 1 or 2 with 5GHz | 128 | 824.2       | 27.74               | 28.30               | 1.138                  | 0.04             | 0.878                  | 0.999                  |
|          | GSM850_UAT  | GPRS(3 Tx slots) | Left Tilted   | 0mm      | 1 or 2 with 5GHz | 128 | 824.2       | 27.74               | 28.30               | 1.138                  | -0.02            | 0.169                  | 0.192                  |
| 01       | GSM850_UAT  | GPRS(3 Tx slots) | Left Cheek    | 0mm      | 1 or 2 with 5GHz | 189 | 836.4       | 27.70               | 28.30               | 1.148                  | -0.02            | 0.938                  | 1.077                  |
|          | GSM850_UAT  | GPRS(3 Tx slots) | Left Cheek    | 0mm      | 1 or 2 with 5GHz | 251 | 848.8       | 27.52               | 28.30               | 1.197                  | 0.02             | 0.770                  | 0.921                  |
|          | GSM850_UAT  | GPRS(3 Tx slots) | Right Cheek   | 0mm      | 2 with 2.4GHz    | 128 | 824.2       | 26.74               | 27.30               | 1.138                  | 0.05             | 0.456                  | 0.519                  |
|          | GSM850_UAT  | GPRS(3 Tx slots) | Right Tilted  | 0mm      | 2 with 2.4GHz    | 128 | 824.2       | 26.74               | 27.30               | 1.138                  | -0.02            | 0.106                  | 0.121                  |
|          | GSM850_UAT  | GPRS(3 Tx slots) | Left Cheek    | 0mm      | 2 with 2.4GHz    | 128 | 824.2       | 26.74               | 27.30               | 1.138                  | 0.02             | 0.726                  | 0.826                  |
|          | GSM850_UAT  | GPRS(3 Tx slots) | Left Tilted   | 0mm      | 2 with 2.4GHz    | 128 | 824.2       | 26.74               | 27.30               | 1.138                  | 0.01             | 0.126                  | 0.143                  |
|          | GSM850_UAT  | GPRS(3 Tx slots) | Left Cheek    | 0mm      | 2 with 2.4GHz    | 189 | 836.4       | 26.67               | 27.30               | 1.156                  | -0.08            | 0.614                  | 0.710                  |
|          | GSM850_UAT  | GPRS(3 Tx slots) | Left Cheek    | 0mm      | 2 with 2.4GHz    | 251 | 848.8       | 26.71               | 27.30               | 1.146                  | 0.02             | 0.597                  | 0.684                  |
|          | GSM850_LAT  | GPRS(4 Tx slots) | Right Cheek   | 0mm      | Full Power       | 189 | 836.4       | 27.02               | 27.85               | 1.211                  | 0.05             | 0.119                  | 0.144                  |
|          | GSM850_LAT  | GPRS(4 Tx slots) | Right Tilted  | 0mm      | Full Power       | 189 | 836.4       | 27.02               | 27.85               | 1.211                  | -0.05            | 0.082                  | 0.099                  |
|          | GSM850_LAT  | GPRS(4 Tx slots) | Left Cheek    | 0mm      | Full Power       | 189 | 836.4       | 27.02               | 27.85               | 1.211                  | 0.02             | 0.134                  | 0.162                  |
|          | GSM850_LAT  | GPRS(4 Tx slots) | Left Tilted   | 0mm      | Full Power       | 189 | 836.4       | 27.02               | 27.85               | 1.211                  | -0.06            | 0.071                  | 0.086                  |
|          | GSM850_LAT  | GPRS(4 Tx slots) | Left Cheek    | 0mm      | Full Power       | 128 | 824.2       | 27.00               | 27.85               | 1.216                  | 0.06             | 0.173                  | 0.210                  |
|          | GSM850_LAT  | GPRS(4 Tx slots) | Left Cheek    | 0mm      | Full Power       | 251 | 848.8       | 26.92               | 27.85               | 1.239                  | 0.01             | 0.123                  | 0.152                  |
| 02       | GSM1900_UAT | GPRS(1 Tx slot)  | Right Cheek   | 0mm      | 1 or 2 with 5GHz | 512 | 1850.2      | 28.18               | 28.70               | 1.127                  | 0.09             | 1.000                  | 1.127                  |
|          | GSM1900_UAT | GPRS(1 Tx slot)  | Right Tilted  | 0mm      | 1 or 2 with 5GHz | 512 | 1850.2      | 28.18               | 28.70               | 1.127                  | 0.02             | 0.951                  | 1.072                  |
|          | GSM1900_UAT | GPRS(1 Tx slot)  | Left Cheek    | 0mm      | 1 or 2 with 5GHz | 512 | 1850.2      | 28.18               | 28.70               | 1.127                  | 0.03             | 0.280                  | 0.316                  |
|          | GSM1900_UAT | GPRS(1 Tx slot)  | Left Tilted   | 0mm      | 1 or 2 with 5GHz | 512 | 1850.2      | 28.18               | 28.70               | 1.127                  | 0.04             | 0.316                  | 0.356                  |
|          | GSM1900_UAT | GPRS(1 Tx slot)  | Right Cheek   | 0mm      | 1 or 2 with 5GHz | 661 | 1880        | 28.17               | 28.70               | 1.130                  | 0.09             | 0.960                  | 1.085                  |
|          | GSM1900_UAT | GPRS(1 Tx slot)  | Right Cheek   | 0mm      | 1 or 2 with 5GHz | 810 | 1909.8      | 28.15               | 28.70               | 1.135                  | 0.05             | 0.817                  | 0.927                  |
|          | GSM1900_UAT | GPRS(1 Tx slot)  | Right Tilted  | 0mm      | 1 or 2 with 5GHz | 661 | 1880        | 28.17               | 28.70               | 1.130                  | 0.05             | 0.876                  | 0.990                  |
|          | GSM1900_UAT | GPRS(1 Tx slot)  | Right Tilted  | 0mm      | 1 or 2 with 5GHz | 810 | 1909.8      | 28.15               | 28.70               | 1.135                  | -0.02            | 0.763                  | 0.866                  |
|          | GSM1900_UAT | GPRS(1 Tx slot)  | Right Cheek   | 0mm      | 2 with 2.4GHz    | 512 | 1850.2      | 27.91               | 28.20               | 1.069                  | 0.06             | 0.923                  | 0.987                  |
|          | GSM1900_UAT | GPRS(1 Tx slot)  | Right Tilted  | 0mm      | 2 with 2.4GHz    | 512 | 1850.2      | 27.91               | 28.20               | 1.069                  | -0.06            | 0.945                  | 1.010                  |
|          | GSM1900_UAT | GPRS(1 Tx slot)  | Left Cheek    | 0mm      | 2 with 2.4GHz    | 512 | 1850.2      | 27.91               | 28.20               | 1.069                  | 0.06             | 0.216                  | 0.231                  |
|          | GSM1900_UAT | GPRS(1 Tx slot)  | Left Tilted   | 0mm      | 2 with 2.4GHz    | 512 | 1850.2      | 27.91               | 28.20               | 1.069                  | 0.01             | 0.250                  | 0.267                  |
|          | GSM1900_UAT | GPRS(1 Tx slot)  | Right Cheek   | 0mm      | 2 with 2.4GHz    | 661 | 1880        | 27.86               | 28.20               | 1.081                  | 0.05             | 0.832                  | 0.900                  |
|          | GSM1900_UAT | GPRS(1 Tx slot)  | Right Cheek   | 0mm      | 2 with 2.4GHz    | 810 | 1909.8      | 27.85               | 28.20               | 1.084                  | 0.05             | 0.757                  | 0.821                  |
|          | GSM1900_UAT | GPRS(1 Tx slot)  | Right Tilted  | 0mm      | 2 with 2.4GHz    | 661 | 1880        | 27.86               | 28.20               | 1.081                  | 0.01             | 0.831                  | 0.899                  |
|          | GSM1900_UAT | GPRS(1 Tx slot)  | Right Tilted  | 0mm      | 2 with 2.4GHz    | 810 | 1909.8      | 27.85               | 28.20               | 1.084                  | 0.01             | 0.777                  | 0.842                  |
|          | GSM1900_LAT | GPRS(3 Tx slots) | Right Cheek   | 0mm      | Full Power       | 512 | 1850.2      | 25.88               | 26.80               | 1.236                  | 0.03             | 0.086                  | 0.106                  |
|          | GSM1900_LAT | GPRS(3 Tx slots) | Right Tilted  | 0mm      | Full Power       | 512 | 1850.2      | 25.88               | 26.80               | 1.236                  | 0.03             | 0.044                  | 0.054                  |
|          | GSM1900_LAT | GPRS(3 Tx slots) | Left Cheek    | 0mm      | Full Power       | 512 | 1850.2      | 25.88               | 26.80               | 1.236                  | -0.05            | 0.058                  | 0.072                  |
|          | GSM1900_LAT | GPRS(3 Tx slots) | Left Tilted   | 0mm      | Full Power       | 512 | 1850.2      | 25.88               | 26.80               | 1.236                  | 0.06             | 0.035                  | 0.043                  |
|          | GSM1900_LAT | GPRS(3 Tx slots) | Right Cheek   | 0mm      | Full Power       | 661 | 1880        | 25.77               | 26.80               | 1.268                  | -0.02            | 0.089                  | 0.113                  |
|          | GSM1900_LAT | GPRS(3 Tx slots) | Right Cheek   | 0mm      | Full Power       | 810 | 1909.8      | 25.69               | 26.80               | 1.291                  | 0.02             | 0.098                  | 0.127                  |

<WCDMA SAR>

| Plot No. | Band         | Mode         | Test Position | Gap (mm) | Power State             | Ch.  | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|--------------|--------------|---------------|----------|-------------------------|------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
| 03       | WCDMA V_UAT  | RMC 12.2Kbps | Right Cheek   | 0mm      | full or 2 with 5GHz     | 4182 | 836.4       | 24.04               | 24.80               | 1.191                  | -0.09            | 0.687                  | 0.818                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Right Tilted  | 0mm      | full or 2 with 5GHz     | 4182 | 836.4       | 24.04               | 24.80               | 1.191                  | -0.09            | 0.147                  | 0.175                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Left Cheek    | 0mm      | full or 2 with 5GHz     | 4182 | 836.4       | 24.04               | 24.80               | 1.191                  | 0.14             | 0.901                  | 1.073                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Left Tilted   | 0mm      | full or 2 with 5GHz     | 4182 | 836.4       | 24.04               | 24.80               | 1.191                  | 0.04             | 0.148                  | 0.176                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Right Cheek   | 0mm      | full or 2 with 5GHz     | 4132 | 826.4       | 23.99               | 24.80               | 1.205                  | 0.01             | 0.690                  | 0.831                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Right Cheek   | 0mm      | full or 2 with 5GHz     | 4233 | 846.6       | 24.01               | 24.80               | 1.199                  | -0.01            | 0.692                  | 0.830                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Left Cheek    | 0mm      | full or 2 with 5GHz     | 4132 | 826.4       | 23.99               | 24.80               | 1.205                  | 0.08             | 0.875                  | 1.054                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Left Cheek    | 0mm      | full or 2 with 5GHz     | 4233 | 846.6       | 24.01               | 24.80               | 1.199                  | -0.04            | 0.844                  | 1.012                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Right Cheek   | 0mm      | 2 with 2.4GHz           | 4182 | 836.4       | 22.45               | 22.80               | 1.084                  | 0.08             | 0.442                  | 0.479                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Right Tilted  | 0mm      | 2 with 2.4GHz           | 4182 | 836.4       | 22.45               | 22.80               | 1.084                  | -0.01            | 0.097                  | 0.105                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Left Cheek    | 0mm      | 2 with 2.4GHz           | 4182 | 836.4       | 22.45               | 22.80               | 1.084                  | 0.01             | 0.735                  | 0.797                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Left Tilted   | 0mm      | 2 with 2.4GHz           | 4182 | 836.4       | 22.45               | 22.80               | 1.084                  | 0.05             | 0.111                  | 0.120                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Left Cheek    | 0mm      | 2 with 2.4GHz           | 4132 | 826.4       | 22.40               | 22.80               | 1.096                  | 0.04             | 0.732                  | 0.803                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Left Cheek    | 0mm      | 2 with 2.4GHz           | 4233 | 846.6       | 22.44               | 22.80               | 1.086                  | 0.02             | 0.726                  | 0.789                  |
|          | WCDMA V_LAT  | RMC 12.2Kbps | Right Cheek   | 0mm      | Full Power              | 4182 | 836.4       | 23.60               | 24.20               | 1.148                  | 0.05             | 0.143                  | 0.164                  |
|          | WCDMA V_LAT  | RMC 12.2Kbps | Right Tilted  | 0mm      | Full Power              | 4182 | 836.4       | 23.60               | 24.20               | 1.148                  | 0.02             | 0.089                  | 0.102                  |
|          | WCDMA V_LAT  | RMC 12.2Kbps | Left Cheek    | 0mm      | Full Power              | 4182 | 836.4       | 23.60               | 24.20               | 1.148                  | 0.05             | 0.180                  | 0.207                  |
|          | WCDMA V_LAT  | RMC 12.2Kbps | Left Tilted   | 0mm      | Full Power              | 4182 | 836.4       | 23.60               | 24.20               | 1.148                  | 0.07             | 0.077                  | 0.089                  |
|          | WCDMA V_LAT  | RMC 12.2Kbps | Left Cheek    | 0mm      | Full Power              | 4132 | 826.4       | 23.52               | 24.20               | 1.169                  | 0.04             | 0.185                  | 0.216                  |
|          | WCDMA V_LAT  | RMC 12.2Kbps | Left Cheek    | 0mm      | Full Power              | 4233 | 846.6       | 23.59               | 24.20               | 1.151                  | 0.02             | 0.190                  | 0.219                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Right Cheek   | 0mm      | 1                       | 1413 | 1732.6      | 16.71               | 17.60               | 1.227                  | 0.02             | 0.631                  | 0.775                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Right Tilted  | 0mm      | 1                       | 1413 | 1732.6      | 16.71               | 17.60               | 1.227                  | 0.09             | 0.698                  | 0.857                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Left Cheek    | 0mm      | 1                       | 1413 | 1732.6      | 16.71               | 17.60               | 1.227                  | 0.04             | 0.181                  | 0.222                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Left Tilted   | 0mm      | 1                       | 1413 | 1732.6      | 16.71               | 17.60               | 1.227                  | 0.03             | 0.189                  | 0.232                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Right Tilted  | 0mm      | 1                       | 1312 | 1712.4      | 16.52               | 17.60               | 1.282                  | 0.06             | 0.634                  | 0.813                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Right Tilted  | 0mm      | 1                       | 1513 | 1752.6      | 16.65               | 17.60               | 1.245                  | 0.02             | 0.762                  | 0.948                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Right Cheek   | 0mm      | 2 with 2.4GHz/5GHz      | 1413 | 1732.6      | 17.74               | 18.10               | 1.086                  | 0.07             | 0.962                  | 1.045                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Right Tilted  | 0mm      | 2 with 2.4GHz/5GHz      | 1413 | 1732.6      | 17.74               | 18.10               | 1.086                  | 0.05             | 0.848                  | 0.921                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Left Cheek    | 0mm      | 2 with 2.4GHz/5GHz      | 1413 | 1732.6      | 17.74               | 18.10               | 1.086                  | 0.06             | 0.290                  | 0.315                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Left Tilted   | 0mm      | 2 with 2.4GHz/5GHz      | 1413 | 1732.6      | 17.74               | 18.10               | 1.086                  | 0.04             | 0.332                  | 0.361                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Right Cheek   | 0mm      | 2 with 2.4GHz/5GHz      | 1312 | 1712.4      | 17.53               | 18.10               | 1.140                  | 0.08             | 0.870                  | 0.992                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Right Cheek   | 0mm      | 2 with 2.4GHz/5GHz      | 1513 | 1752.6      | 17.69               | 18.10               | 1.099                  | -0.02            | 1.040                  | 1.143                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Right Tilted  | 0mm      | 2 with 2.4GHz/5GHz      | 1312 | 1712.4      | 17.53               | 18.10               | 1.140                  | 0.07             | 0.772                  | 0.880                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Right Tilted  | 0mm      | 2 with 2.4GHz/5GHz      | 1513 | 1752.6      | 17.69               | 18.10               | 1.099                  | -0.04            | 0.924                  | 1.015                  |
|          | WCDMA IV_LAT | RMC 12.2Kbps | Right Cheek   | 0mm      | Full Power              | 1413 | 1732.6      | 24.05               | 24.80               | 1.189                  | -0.05            | 0.233                  | 0.277                  |
|          | WCDMA IV_LAT | RMC 12.2Kbps | Right Tilted  | 0mm      | Full Power              | 1413 | 1732.6      | 24.05               | 24.80               | 1.189                  | 0.03             | 0.104                  | 0.124                  |
|          | WCDMA IV_LAT | RMC 12.2Kbps | Left Cheek    | 0mm      | Full Power              | 1413 | 1732.6      | 24.05               | 24.80               | 1.189                  | 0.01             | 0.170                  | 0.202                  |
|          | WCDMA IV_LAT | RMC 12.2Kbps | Left Tilted   | 0mm      | Full Power              | 1413 | 1732.6      | 24.05               | 24.80               | 1.189                  | -0.09            | 0.094                  | 0.112                  |
|          | WCDMA IV_LAT | RMC 12.2Kbps | Right Cheek   | 0mm      | Full Power              | 1312 | 1712.4      | 23.83               | 24.80               | 1.250                  | 0.05             | 0.242                  | 0.303                  |
|          | WCDMA IV_LAT | RMC 12.2Kbps | Right Cheek   | 0mm      | Full Power              | 1513 | 1752.6      | 24.03               | 24.80               | 1.194                  | 0.02             | 0.235                  | 0.281                  |
|          | WCDMA II_UAT | RMC 12.2Kbps | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 9400 | 1880        | 18.44               | 18.50               | 1.014                  | -0.04            | 1.110                  | 1.125                  |
|          | WCDMA II_UAT | RMC 12.2Kbps | Right Tilted  | 0mm      | 1 or 2 with 2.4GHz/5GHz | 9400 | 1880        | 18.44               | 18.50               | 1.014                  | 0.05             | 1.000                  | 1.014                  |
|          | WCDMA II_UAT | RMC 12.2Kbps | Left Cheek    | 0mm      | 1 or 2 with 2.4GHz/5GHz | 9400 | 1880        | 18.44               | 18.50               | 1.014                  | 0.03             | 0.294                  | 0.298                  |
|          | WCDMA II_UAT | RMC 12.2Kbps | Left Tilted   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 9400 | 1880        | 18.44               | 18.50               | 1.014                  | 0.05             | 0.435                  | 0.441                  |
|          | WCDMA II_UAT | RMC 12.2Kbps | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 9262 | 1852.4      | 18.35               | 18.50               | 1.035                  | 0.02             | 1.140                  | 1.180                  |
|          | WCDMA II_UAT | RMC 12.2Kbps | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 9538 | 1907.6      | 18.30               | 18.50               | 1.047                  | -0.04            | 1.080                  | 1.131                  |
|          | WCDMA II_UAT | RMC 12.2Kbps | Right Tilted  | 0mm      | 1 or 2 with 2.4GHz/5GHz | 9262 | 1852.4      | 18.35               | 18.50               | 1.035                  | 0.04             | 1.130                  | 1.170                  |
|          | WCDMA II_UAT | RMC 12.2Kbps | Right Tilted  | 0mm      | 1 or 2 with 2.4GHz/5GHz | 9538 | 1907.6      | 18.30               | 18.50               | 1.047                  | -0.03            | 0.998                  | 1.045                  |
|          | WCDMA II_LAT | RMC 12.2Kbps | Right Cheek   | 0mm      | Full Power              | 9400 | 1880        | 24.21               | 24.80               | 1.146                  | 0.04             | 0.264                  | 0.302                  |
|          | WCDMA II_LAT | RMC 12.2Kbps | Right Tilted  | 0mm      | Full Power              | 9400 | 1880        | 24.21               | 24.80               | 1.146                  | 0.02             | 0.131                  | 0.150                  |
|          | WCDMA II_LAT | RMC 12.2Kbps | Left Cheek    | 0mm      | Full Power              | 9400 | 1880        | 24.21               | 24.80               | 1.146                  | 0.09             | 0.158                  | 0.181                  |
|          | WCDMA II_LAT | RMC 12.2Kbps | Left Tilted   | 0mm      | Full Power              | 9400 | 1880        | 24.21               | 24.80               | 1.146                  | 0.07             | 0.119                  | 0.136                  |
|          | WCDMA II_LAT | RMC 12.2Kbps | Right Cheek   | 0mm      | Full Power              | 9262 | 1852.4      | 24.05               | 24.80               | 1.189                  | 0.02             | 0.239                  | 0.284                  |
|          | WCDMA II_LAT | RMC 12.2Kbps | Right Cheek   | 0mm      | Full Power              | 9538 | 1907.6      | 24.16               | 24.80               | 1.159                  | 0.01             | 0.258                  | 0.299                  |



**<CDMA SAR>**

| Plot No. | Band             | Mode     | Test Position | Gap (mm) | Power State             | Ch.  | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|------------------|----------|---------------|----------|-------------------------|------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
|          | CDMA2000 BC0_UAT | RC3+SO55 | Right Cheek   | 0mm      | Full Power              | 777  | 848.31      | 23.91               | 24.80               | 1.227                  | 0.02             | 0.610                  | 0.749                  |
|          | CDMA2000 BC0_UAT | RC3+SO55 | Right Tilted  | 0mm      | Full Power              | 777  | 848.31      | 23.91               | 24.80               | 1.227                  | -0.09            | 0.134                  | 0.164                  |
|          | CDMA2000 BC0_UAT | RC3+SO55 | Left Cheek    | 0mm      | Full Power              | 777  | 848.31      | 23.91               | 24.80               | 1.227                  | -0.02            | 0.900                  | 1.105                  |
|          | CDMA2000 BC0_UAT | RC3+SO55 | Left Tilted   | 0mm      | Full Power              | 777  | 848.31      | 23.91               | 24.80               | 1.227                  | -0.08            | 0.135                  | 0.166                  |
|          | CDMA2000 BC0_UAT | RC3+SO55 | Left Cheek    | 0mm      | Full Power              | 1013 | 824.7       | 23.87               | 24.80               | 1.239                  | 0.04             | 0.883                  | 1.094                  |
| 06       | CDMA2000 BC0_UAT | RC3+SO55 | Left Cheek    | 0mm      | Full Power              | 384  | 836.52      | 23.90               | 24.80               | 1.230                  | 0.12             | 0.899                  | 1.106                  |
|          | CDMA2000 BC0_UAT | RC3+SO55 | Right Cheek   | 0mm      | 2 with 2.4GHz           | 777  | 848.31      | 23.01               | 23.50               | 1.119                  | 0.03             | 0.547                  | 0.612                  |
|          | CDMA2000 BC0_UAT | RC3+SO55 | Right Tilted  | 0mm      | 2 with 2.4GHz           | 777  | 848.31      | 23.01               | 23.50               | 1.119                  | 0.01             | 0.120                  | 0.134                  |
|          | CDMA2000 BC0_UAT | RC3+SO55 | Left Cheek    | 0mm      | 2 with 2.4GHz           | 777  | 848.31      | 23.01               | 23.50               | 1.119                  | -0.05            | 0.826                  | 0.925                  |
|          | CDMA2000 BC0_UAT | RC3+SO55 | Left Tilted   | 0mm      | 2 with 2.4GHz           | 777  | 848.31      | 23.01               | 23.50               | 1.119                  | 0.02             | 0.125                  | 0.140                  |
|          | CDMA2000 BC0_UAT | RC3+SO55 | Left Cheek    | 0mm      | 2 with 2.4GHz           | 1013 | 824.7       | 22.97               | 23.50               | 1.130                  | 0.01             | 0.785                  | 0.887                  |
|          | CDMA2000 BC0_UAT | RC3+SO55 | Left Cheek    | 0mm      | 2 with 2.4GHz           | 384  | 836.52      | 23.00               | 23.50               | 1.122                  | 0.07             | 0.791                  | 0.888                  |
|          | CDMA2000 BC0_UAT | RC3+SO55 | Right Cheek   | 0mm      | 2 with 5GHz             | 777  | 848.31      | 20.41               | 20.80               | 1.094                  | 0.02             | 0.316                  | 0.346                  |
|          | CDMA2000 BC0_UAT | RC3+SO55 | Right Tilted  | 0mm      | 2 with 5GHz             | 777  | 848.31      | 20.41               | 20.80               | 1.094                  | 0.05             | 0.068                  | 0.074                  |
|          | CDMA2000 BC0_UAT | RC3+SO55 | Left Cheek    | 0mm      | 2 with 5GHz             | 777  | 848.31      | 20.41               | 20.80               | 1.094                  | 0.01             | 0.462                  | 0.505                  |
|          | CDMA2000 BC0_UAT | RC3+SO55 | Left Tilted   | 0mm      | 2 with 5GHz             | 777  | 848.31      | 20.41               | 20.80               | 1.094                  | 0.08             | 0.073                  | 0.079                  |
|          | CDMA2000 BC0_UAT | RC3+SO55 | Left Cheek    | 0mm      | 2 with 5GHz             | 1013 | 824.7       | 20.37               | 20.80               | 1.104                  | 0.02             | 0.441                  | 0.487                  |
|          | CDMA2000 BC0_UAT | RC3+SO55 | Left Cheek    | 0mm      | 2 with 5GHz             | 384  | 836.52      | 20.40               | 20.80               | 1.096                  | 0.01             | 0.446                  | 0.489                  |
|          | CDMA2000 BC0_LAT | RC3+SO55 | Right Cheek   | 0mm      | Full Power              | 777  | 848.31      | 23.56               | 24.10               | 1.132                  | -0.03            | 0.117                  | 0.132                  |
|          | CDMA2000 BC0_LAT | RC3+SO55 | Right Tilted  | 0mm      | Full Power              | 777  | 848.31      | 23.56               | 24.10               | 1.132                  | 0.02             | 0.093                  | 0.105                  |
|          | CDMA2000 BC0_LAT | RC3+SO55 | Left Cheek    | 0mm      | Full Power              | 777  | 848.31      | 23.56               | 24.10               | 1.132                  | 0.07             | 0.147                  | 0.166                  |
|          | CDMA2000 BC0_LAT | RC3+SO55 | Left Tilted   | 0mm      | Full Power              | 777  | 848.31      | 23.56               | 24.10               | 1.132                  | 0.01             | 0.071                  | 0.080                  |
|          | CDMA2000 BC0_LAT | RC3+SO55 | Left Cheek    | 0mm      | Full Power              | 1013 | 824.7       | 23.45               | 24.10               | 1.161                  | 0.04             | 0.148                  | 0.172                  |
|          | CDMA2000 BC0_LAT | RC3+SO55 | Left Cheek    | 0mm      | Full Power              | 384  | 836.52      | 23.51               | 24.10               | 1.146                  | 0.06             | 0.149                  | 0.171                  |
|          | CDMA2000 BC1_UAT | RC3+SO55 | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 600  | 1880        | 19.25               | 19.50               | 1.059                  | 0.06             | 1.110                  | 1.176                  |
|          | CDMA2000 BC1_UAT | RC3+SO55 | Right Tilted  | 0mm      | 1 or 2 with 2.4GHz/5GHz | 600  | 1880        | 19.25               | 19.50               | 1.059                  | 0.03             | 1.070                  | 1.133                  |
|          | CDMA2000 BC1_UAT | RC3+SO55 | Left Cheek    | 0mm      | 1 or 2 with 2.4GHz/5GHz | 600  | 1880        | 19.25               | 19.50               | 1.059                  | 0.01             | 0.290                  | 0.307                  |
|          | CDMA2000 BC1_UAT | RC3+SO55 | Left Tilted   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 600  | 1880        | 19.25               | 19.50               | 1.059                  | 0.02             | 0.411                  | 0.435                  |
|          | CDMA2000 BC1_UAT | RC3+SO55 | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 25   | 1851.25     | 19.20               | 19.50               | 1.072                  | 0.01             | 1.080                  | 1.157                  |
| 07       | CDMA2000 BC1_UAT | RC3+SO55 | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 1175 | 1908.75     | 19.19               | 19.50               | 1.074                  | 0.06             | 1.110                  | 1.192                  |
|          | CDMA2000 BC1_UAT | RC3+SO55 | Right Tilted  | 0mm      | 1 or 2 with 2.4GHz/5GHz | 25   | 1851.25     | 19.20               | 19.50               | 1.072                  | 0.05             | 1.110                  | 1.189                  |
|          | CDMA2000 BC1_UAT | RC3+SO55 | Right Tilted  | 0mm      | 1 or 2 with 2.4GHz/5GHz | 1175 | 1908.75     | 19.19               | 19.50               | 1.074                  | 0.03             | 1.080                  | 1.160                  |
|          | CDMA2000 BC1_LAT | RC3+SO55 | Right Cheek   | 0mm      | Full Power              | 600  | 1880        | 23.99               | 24.80               | 1.205                  | -0.12            | 0.228                  | 0.275                  |
|          | CDMA2000 BC1_LAT | RC3+SO55 | Right Tilted  | 0mm      | Full Power              | 600  | 1880        | 23.99               | 24.80               | 1.205                  | 0.02             | 0.125                  | 0.151                  |
|          | CDMA2000 BC1_LAT | RC3+SO55 | Left Cheek    | 0mm      | Full Power              | 600  | 1880        | 23.99               | 24.80               | 1.205                  | 0.09             | 0.157                  | 0.189                  |
|          | CDMA2000 BC1_LAT | RC3+SO55 | Left Tilted   | 0mm      | Full Power              | 600  | 1880        | 23.99               | 24.80               | 1.205                  | 0.04             | 0.103                  | 0.124                  |
|          | CDMA2000 BC1_LAT | RC3+SO55 | Right Cheek   | 0mm      | Full Power              | 25   | 1851.25     | 23.83               | 24.80               | 1.250                  | -0.05            | 0.190                  | 0.238                  |
|          | CDMA2000 BC1_LAT | RC3+SO55 | Right Cheek   | 0mm      | Full Power              | 1175 | 1908.75     | 23.96               | 24.80               | 1.213                  | 0.03             | 0.237                  | 0.288                  |



**<FDD LTE SAR>**

| Plot No. | Band            | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State         | Ch.    | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------------|----------|------------|---------|-----------|---------------|----------|---------------------|--------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
| 08       | LTE Band 71_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | Full Power          | 133322 | 683         | 23.69               | 24.30               | 1.151                  | 0.05             | 0.487                  | 0.560                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | Full Power          | 133322 | 683         | 23.69               | 24.30               | 1.151                  | 0.03             | 0.125                  | 0.144                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Cheek    | 0mm      | Full Power          | 133322 | 683         | 23.69               | 24.30               | 1.151                  | -0.09            | 0.899                  | 1.035                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Tilted   | 0mm      | Full Power          | 133322 | 683         | 23.69               | 24.30               | 1.151                  | 0.02             | 0.135                  | 0.155                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Right Cheek   | 0mm      | Full Power          | 133322 | 683         | 22.85               | 23.30               | 1.109                  | -0.05            | 0.467                  | 0.518                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Right Tilted  | 0mm      | Full Power          | 133322 | 683         | 22.85               | 23.30               | 1.109                  | 0.01             | 0.123                  | 0.136                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Left Cheek    | 0mm      | Full Power          | 133322 | 683         | 22.85               | 23.30               | 1.109                  | 0.07             | 0.773                  | 0.857                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Left Tilted   | 0mm      | Full Power          | 133322 | 683         | 22.85               | 23.30               | 1.109                  | 0.04             | 0.144                  | 0.160                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 100RB   | 0Offset   | Left Cheek    | 0mm      | Full Power          | 133322 | 683         | 22.71               | 23.30               | 1.146                  | 0.02             | 0.735                  | 0.842                  |
| 09       | LTE Band 71_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | Full Power          | 133322 | 683         | 23.43               | 23.80               | 1.089                  | 0.02             | 0.067                  | 0.073                  |
|          | LTE Band 71_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | Full Power          | 133322 | 683         | 23.43               | 23.80               | 1.089                  | 0.09             | 0.049                  | 0.053                  |
|          | LTE Band 71_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Cheek    | 0mm      | Full Power          | 133322 | 683         | 23.43               | 23.80               | 1.089                  | 0.01             | 0.107                  | 0.117                  |
|          | LTE Band 71_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Tilted   | 0mm      | Full Power          | 133322 | 683         | 23.43               | 23.80               | 1.089                  | 0.04             | 0.058                  | 0.063                  |
|          | LTE Band 71_LAT | 20M      | QPSK       | 50RB    | 50Offset  | Right Cheek   | 0mm      | Full Power          | 133322 | 683         | 22.46               | 22.80               | 1.081                  | 0.02             | 0.075                  | 0.081                  |
|          | LTE Band 71_LAT | 20M      | QPSK       | 50RB    | 50Offset  | Right Tilted  | 0mm      | Full Power          | 133322 | 683         | 22.46               | 22.80               | 1.081                  | 0.02             | 0.052                  | 0.056                  |
|          | LTE Band 71_LAT | 20M      | QPSK       | 50RB    | 50Offset  | Left Cheek    | 0mm      | Full Power          | 133322 | 683         | 22.46               | 22.80               | 1.081                  | 0.04             | 0.095                  | 0.103                  |
|          | LTE Band 71_LAT | 20M      | QPSK       | 50RB    | 50Offset  | Left Tilted   | 0mm      | Full Power          | 133322 | 683         | 22.46               | 22.80               | 1.081                  | 0.06             | 0.052                  | 0.056                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 1RB     | 49Offset  | Right Cheek   | 0mm      | full or 2 with 5GHz | 23095  | 707.5       | 23.42               | 24.30               | 1.225                  | 0.03             | 0.559                  | 0.685                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 1RB     | 49Offset  | Right Tilted  | 0mm      | full or 2 with 5GHz | 23095  | 707.5       | 23.42               | 24.30               | 1.225                  | 0.04             | 0.126                  | 0.154                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 1RB     | 49Offset  | Left Cheek    | 0mm      | full or 2 with 5GHz | 23095  | 707.5       | 23.42               | 24.30               | 1.225                  | 0.05             | 0.727                  | 0.890                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 1RB     | 49Offset  | Left Tilted   | 0mm      | full or 2 with 5GHz | 23095  | 707.5       | 23.42               | 24.30               | 1.225                  | 0.05             | 0.133                  | 0.163                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 25RB    | 25Offset  | Right Cheek   | 0mm      | full or 2 with 5GHz | 23095  | 707.5       | 22.47               | 23.30               | 1.211                  | 0.01             | 0.456                  | 0.552                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 25RB    | 25Offset  | Right Tilted  | 0mm      | full or 2 with 5GHz | 23095  | 707.5       | 22.47               | 23.30               | 1.211                  | 0.05             | 0.106                  | 0.128                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 25RB    | 25Offset  | Left Cheek    | 0mm      | full or 2 with 5GHz | 23095  | 707.5       | 22.47               | 23.30               | 1.211                  | 0.01             | 0.604                  | 0.731                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 25RB    | 25Offset  | Left Tilted   | 0mm      | full or 2 with 5GHz | 23095  | 707.5       | 22.47               | 23.30               | 1.211                  | 0.07             | 0.110                  | 0.133                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 50RB    | 0Offset   | Left Cheek    | 0mm      | full or 2 with 5GHz | 23095  | 707.5       | 22.46               | 23.30               | 1.213                  | 0.06             | 0.608                  | 0.738                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 1RB     | 49Offset  | Right Cheek   | 0mm      | 2 with 2.4GHz       | 23095  | 707.5       | 22.77               | 23.30               | 1.130                  | 0.03             | 0.435                  | 0.491                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 1RB     | 49Offset  | Right Tilted  | 0mm      | 2 with 2.4GHz       | 23095  | 707.5       | 22.77               | 23.30               | 1.130                  | 0.05             | 0.090                  | 0.102                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 1RB     | 49Offset  | Left Cheek    | 0mm      | 2 with 2.4GHz       | 23095  | 707.5       | 22.77               | 23.30               | 1.130                  | 0.01             | 0.637                  | 0.720                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 1RB     | 49Offset  | Left Tilted   | 0mm      | 2 with 2.4GHz       | 23095  | 707.5       | 22.77               | 23.30               | 1.130                  | 0.04             | 0.115                  | 0.130                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 25RB    | 25Offset  | Right Cheek   | 0mm      | 2 with 2.4GHz       | 23095  | 707.5       | 22.46               | 23.30               | 1.213                  | 0.02             | 0.419                  | 0.508                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 25RB    | 25Offset  | Right Tilted  | 0mm      | 2 with 2.4GHz       | 23095  | 707.5       | 22.46               | 23.30               | 1.213                  | 0.01             | 0.104                  | 0.126                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 25RB    | 25Offset  | Left Cheek    | 0mm      | 2 with 2.4GHz       | 23095  | 707.5       | 22.46               | 23.30               | 1.213                  | 0.01             | 0.580                  | 0.704                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 25RB    | 25Offset  | Left Tilted   | 0mm      | 2 with 2.4GHz       | 23095  | 707.5       | 22.46               | 23.30               | 1.213                  | 0.06             | 0.101                  | 0.123                  |
|          | LTE Band 12_LAT | 10M      | QPSK       | 1RB     | 49Offset  | Right Cheek   | 0mm      | Full Power          | 23095  | 707.5       | 23.01               | 23.80               | 1.199                  | 0.13             | 0.092                  | 0.110                  |
|          | LTE Band 12_LAT | 10M      | QPSK       | 1RB     | 49Offset  | Right Tilted  | 0mm      | Full Power          | 23095  | 707.5       | 23.01               | 23.80               | 1.199                  | 0.09             | 0.068                  | 0.082                  |
|          | LTE Band 12_LAT | 10M      | QPSK       | 1RB     | 49Offset  | Left Cheek    | 0mm      | Full Power          | 23095  | 707.5       | 23.01               | 23.80               | 1.199                  | 0.02             | 0.133                  | 0.160                  |
|          | LTE Band 12_LAT | 10M      | QPSK       | 1RB     | 49Offset  | Left Tilted   | 0mm      | Full Power          | 23095  | 707.5       | 23.01               | 23.80               | 1.199                  | -0.09            | 0.065                  | 0.078                  |
|          | LTE Band 12_LAT | 10M      | QPSK       | 25RB    | 25Offset  | Right Cheek   | 0mm      | Full Power          | 23095  | 707.5       | 22.13               | 22.80               | 1.167                  | 0.03             | 0.076                  | 0.089                  |
|          | LTE Band 12_LAT | 10M      | QPSK       | 25RB    | 25Offset  | Right Tilted  | 0mm      | Full Power          | 23095  | 707.5       | 22.13               | 22.80               | 1.167                  | -0.01            | 0.056                  | 0.065                  |
|          | LTE Band 12_LAT | 10M      | QPSK       | 25RB    | 25Offset  | Left Cheek    | 0mm      | Full Power          | 23095  | 707.5       | 22.13               | 22.80               | 1.167                  | 0.02             | 0.110                  | 0.128                  |
|          | LTE Band 12_LAT | 10M      | QPSK       | 25RB    | 25Offset  | Left Tilted   | 0mm      | Full Power          | 23095  | 707.5       | 22.13               | 22.80               | 1.167                  | 0.08             | 0.057                  | 0.067                  |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

| Plot No. | Band            | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State      | Ch.   | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------------|----------|------------|---------|-----------|---------------|----------|------------------|-------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
|          | LTE Band 17_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | Full Power       | 23790 | 710         | 22.90               | 23.80               | 1.230                  | 0.05             | 0.382                  | 0.470                  |
|          | LTE Band 17_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | Full Power       | 23790 | 710         | 22.90               | 23.80               | 1.230                  | 0.01             | 0.092                  | 0.113                  |
| 10       | LTE Band 17_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Left Cheek    | 0mm      | Full Power       | 23790 | 710         | 22.90               | 23.80               | 1.230                  | 0.07             | 0.508                  | 0.625                  |
|          | LTE Band 17_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Left Tilted   | 0mm      | Full Power       | 23790 | 710         | 22.90               | 23.80               | 1.230                  | 0.02             | 0.098                  | 0.120                  |
|          | LTE Band 17_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Right Cheek   | 0mm      | Full Power       | 23790 | 710         | 21.86               | 22.80               | 1.242                  | 0.04             | 0.314                  | 0.390                  |
|          | LTE Band 17_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Right Tilted  | 0mm      | Full Power       | 23790 | 710         | 21.86               | 22.80               | 1.242                  | 0.02             | 0.078                  | 0.097                  |
|          | LTE Band 17_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Left Cheek    | 0mm      | Full Power       | 23790 | 710         | 21.86               | 22.80               | 1.242                  | 0.09             | 0.425                  | 0.528                  |
|          | LTE Band 17_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Left Tilted   | 0mm      | Full Power       | 23790 | 710         | 21.86               | 22.80               | 1.242                  | 0.01             | 0.077                  | 0.096                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 1RB     | 25Offset  | Right Cheek   | 0mm      | 1 or 2 with 5GHz | 23230 | 782         | 21.61               | 22.30               | 1.172                  | 0.05             | 0.457                  | 0.536                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 1RB     | 25Offset  | Right Tilted  | 0mm      | 1 or 2 with 5GHz | 23230 | 782         | 21.61               | 22.30               | 1.172                  | 0.02             | 0.107                  | 0.125                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 1RB     | 25Offset  | Left Cheek    | 0mm      | 1 or 2 with 5GHz | 23230 | 782         | 21.61               | 22.30               | 1.172                  | 0.08             | 0.744                  | 0.872                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 1RB     | 25Offset  | Left Tilted   | 0mm      | 1 or 2 with 5GHz | 23230 | 782         | 21.61               | 22.30               | 1.172                  | 0.11             | 0.127                  | 0.149                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Right Cheek   | 0mm      | 1 or 2 with 5GHz | 23230 | 782         | 21.59               | 22.30               | 1.178                  | 0.03             | 0.478                  | 0.563                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Right Tilted  | 0mm      | 1 or 2 with 5GHz | 23230 | 782         | 21.59               | 22.30               | 1.178                  | 0.02             | 0.114                  | 0.134                  |
| 11       | LTE Band 13_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Left Cheek    | 0mm      | 1 or 2 with 5GHz | 23230 | 782         | 21.59               | 22.30               | 1.178                  | 0.07             | 0.774                  | 0.911                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Left Tilted   | 0mm      | 1 or 2 with 5GHz | 23230 | 782         | 21.59               | 22.30               | 1.178                  | 0.01             | 0.142                  | 0.167                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 50RB    | 0Offset   | Left Cheek    | 0mm      | 1 or 2 with 5GHz | 23230 | 782         | 21.58               | 22.30               | 1.180                  | 0.07             | 0.694                  | 0.819                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 1RB     | 25Offset  | Right Cheek   | 0mm      | 2 with 2.4GHz    | 23230 | 782         | 20.05               | 20.80               | 1.189                  | 0.06             | 0.307                  | 0.365                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 1RB     | 25Offset  | Right Tilted  | 0mm      | 2 with 2.4GHz    | 23230 | 782         | 20.05               | 20.80               | 1.189                  | 0.02             | 0.069                  | 0.082                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 1RB     | 25Offset  | Left Cheek    | 0mm      | 2 with 2.4GHz    | 23230 | 782         | 20.05               | 20.80               | 1.189                  | 0.02             | 0.487                  | 0.579                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 1RB     | 25Offset  | Left Tilted   | 0mm      | 2 with 2.4GHz    | 23230 | 782         | 20.05               | 20.80               | 1.189                  | 0.01             | 0.079                  | 0.094                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Right Cheek   | 0mm      | 2 with 2.4GHz    | 23230 | 782         | 19.95               | 20.80               | 1.216                  | 0.03             | 0.332                  | 0.404                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Right Tilted  | 0mm      | 2 with 2.4GHz    | 23230 | 782         | 19.95               | 20.80               | 1.216                  | 0.05             | 0.072                  | 0.088                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Left Cheek    | 0mm      | 2 with 2.4GHz    | 23230 | 782         | 19.95               | 20.80               | 1.216                  | 0.01             | 0.500                  | 0.608                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Left Tilted   | 0mm      | 2 with 2.4GHz    | 23230 | 782         | 19.95               | 20.80               | 1.216                  | 0.01             | 0.082                  | 0.100                  |
|          | LTE Band 13_LAT | 10M      | QPSK       | 1RB     | 25Offset  | Right Cheek   | 0mm      | Full Power       | 23230 | 782         | 22.06               | 23.30               | 1.330                  | -0.05            | 0.094                  | 0.125                  |
|          | LTE Band 13_LAT | 10M      | QPSK       | 1RB     | 25Offset  | Right Tilted  | 0mm      | Full Power       | 23230 | 782         | 22.06               | 23.30               | 1.330                  | 0.04             | 0.057                  | 0.076                  |
|          | LTE Band 13_LAT | 10M      | QPSK       | 1RB     | 25Offset  | Left Cheek    | 0mm      | Full Power       | 23230 | 782         | 22.06               | 23.30               | 1.330                  | 0.01             | 0.101                  | 0.134                  |
|          | LTE Band 13_LAT | 10M      | QPSK       | 1RB     | 25Offset  | Left Tilted   | 0mm      | Full Power       | 23230 | 782         | 22.06               | 23.30               | 1.330                  | 0.09             | 0.055                  | 0.073                  |
|          | LTE Band 13_LAT | 10M      | QPSK       | 25RB    | 12Offset  | Right Cheek   | 0mm      | Full Power       | 23230 | 782         | 21.24               | 22.30               | 1.276                  | 0.04             | 0.086                  | 0.110                  |
|          | LTE Band 13_LAT | 10M      | QPSK       | 25RB    | 12Offset  | Right Tilted  | 0mm      | Full Power       | 23230 | 782         | 21.24               | 22.30               | 1.276                  | 0.06             | 0.048                  | 0.061                  |
|          | LTE Band 13_LAT | 10M      | QPSK       | 25RB    | 12Offset  | Left Cheek    | 0mm      | Full Power       | 23230 | 782         | 21.24               | 22.30               | 1.276                  | -0.02            | 0.082                  | 0.105                  |
|          | LTE Band 13_LAT | 10M      | QPSK       | 25RB    | 12Offset  | Left Tilted   | 0mm      | Full Power       | 23230 | 782         | 21.24               | 22.30               | 1.276                  | 0.07             | 0.045                  | 0.057                  |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

| Plot No. | Band            | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State         | Ch.   | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------------|----------|------------|---------|-----------|---------------|----------|---------------------|-------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
| 12       | LTE Band 5_UAT  | 10M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | full or 2 with 5GHz | 20525 | 836.5       | 22.80               | 23.80               | 1.259                  | 0.05             | 0.522                  | 0.657                  |
|          | LTE Band 5_UAT  | 10M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | full or 2 with 5GHz | 20525 | 836.5       | 22.80               | 23.80               | 1.259                  | 0.01             | 0.124                  | 0.156                  |
|          | LTE Band 5_UAT  | 10M      | QPSK       | 1RB     | 0Offset   | Left Cheek    | 0mm      | full or 2 with 5GHz | 20525 | 836.5       | 22.80               | 23.80               | 1.259                  | -0.02            | 0.810                  | 1.020                  |
|          | LTE Band 5_UAT  | 10M      | QPSK       | 1RB     | 0Offset   | Left Tilted   | 0mm      | full or 2 with 5GHz | 20525 | 836.5       | 22.80               | 23.80               | 1.259                  | -0.05            | 0.135                  | 0.170                  |
|          | LTE Band 5_UAT  | 10M      | QPSK       | 25RB    | 12Offset  | Right Cheek   | 0mm      | full or 2 with 5GHz | 20525 | 836.5       | 21.86               | 22.80               | 1.242                  | 0.03             | 0.408                  | 0.507                  |
|          | LTE Band 5_UAT  | 10M      | QPSK       | 25RB    | 12Offset  | Right Tilted  | 0mm      | full or 2 with 5GHz | 20525 | 836.5       | 21.86               | 22.80               | 1.242                  | 0.04             | 0.102                  | 0.127                  |
|          | LTE Band 5_UAT  | 10M      | QPSK       | 25RB    | 12Offset  | Left Cheek    | 0mm      | full or 2 with 5GHz | 20525 | 836.5       | 21.86               | 22.80               | 1.242                  | 0.08             | 0.657                  | 0.816                  |
|          | LTE Band 5_UAT  | 10M      | QPSK       | 25RB    | 12Offset  | Left Tilted   | 0mm      | full or 2 with 5GHz | 20525 | 836.5       | 21.86               | 22.80               | 1.242                  | 0.01             | 0.113                  | 0.140                  |
|          | LTE Band 5_UAT  | 10M      | QPSK       | 50RB    | 0Offset   | Left Cheek    | 0mm      | full or 2 with 5GHz | 20525 | 836.5       | 21.86               | 22.80               | 1.242                  | 0.05             | 0.692                  | 0.859                  |
|          | LTE Band 5_UAT  | 10M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | 2 with 2.4GHz       | 20525 | 836.5       | 21.35               | 21.80               | 1.109                  | -0.03            | 0.435                  | 0.482                  |
|          | LTE Band 5_UAT  | 10M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | 2 with 2.4GHz       | 20525 | 836.5       | 21.35               | 21.80               | 1.109                  | 0.07             | 0.100                  | 0.111                  |
|          | LTE Band 5_UAT  | 10M      | QPSK       | 1RB     | 0Offset   | Left Cheek    | 0mm      | 2 with 2.4GHz       | 20525 | 836.5       | 21.35               | 21.80               | 1.109                  | 0.01             | 0.574                  | 0.637                  |
| 13       | LTE Band 5_UAT  | 10M      | QPSK       | 1RB     | 0Offset   | Left Tilted   | 0mm      | 2 with 2.4GHz       | 20525 | 836.5       | 21.35               | 21.80               | 1.109                  | 0.05             | 0.103                  | 0.114                  |
|          | LTE Band 5_UAT  | 10M      | QPSK       | 25RB    | 12Offset  | Right Cheek   | 0mm      | 2 with 2.4GHz       | 20525 | 836.5       | 21.32               | 21.80               | 1.117                  | 0.04             | 0.434                  | 0.485                  |
|          | LTE Band 5_UAT  | 10M      | QPSK       | 25RB    | 12Offset  | Right Tilted  | 0mm      | 2 with 2.4GHz       | 20525 | 836.5       | 21.32               | 21.80               | 1.117                  | 0.01             | 0.100                  | 0.111                  |
|          | LTE Band 5_UAT  | 10M      | QPSK       | 25RB    | 12Offset  | Left Cheek    | 0mm      | 2 with 2.4GHz       | 20525 | 836.5       | 21.32               | 21.80               | 1.117                  | 0.06             | 0.598                  | 0.668                  |
|          | LTE Band 5_UAT  | 10M      | QPSK       | 25RB    | 12Offset  | Left Tilted   | 0mm      | 2 with 2.4GHz       | 20525 | 836.5       | 21.32               | 21.80               | 1.117                  | 0.01             | 0.114                  | 0.127                  |
|          | LTE Band 5_LAT  | 10M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | Full Power          | 20525 | 836.5       | 22.45               | 23.20               | 1.189                  | 0.01             | 0.103                  | 0.122                  |
|          | LTE Band 5_LAT  | 10M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | Full Power          | 20525 | 836.5       | 22.45               | 23.20               | 1.189                  | 0.02             | 0.079                  | 0.094                  |
|          | LTE Band 5_LAT  | 10M      | QPSK       | 1RB     | 0Offset   | Left Cheek    | 0mm      | Full Power          | 20525 | 836.5       | 22.45               | 23.20               | 1.189                  | 0.01             | 0.146                  | 0.174                  |
|          | LTE Band 5_LAT  | 10M      | QPSK       | 1RB     | 0Offset   | Left Tilted   | 0mm      | Full Power          | 20525 | 836.5       | 22.45               | 23.20               | 1.189                  | -0.07            | 0.076                  | 0.090                  |
|          | LTE Band 5_LAT  | 10M      | QPSK       | 25RB    | 12Offset  | Right Cheek   | 0mm      | Full Power          | 20525 | 836.5       | 21.46               | 22.20               | 1.186                  | 0.03             | 0.086                  | 0.102                  |
|          | LTE Band 5_LAT  | 10M      | QPSK       | 25RB    | 12Offset  | Right Tilted  | 0mm      | Full Power          | 20525 | 836.5       | 21.46               | 22.20               | 1.186                  | -0.05            | 0.065                  | 0.077                  |
|          | LTE Band 5_LAT  | 10M      | QPSK       | 25RB    | 12Offset  | Left Cheek    | 0mm      | Full Power          | 20525 | 836.5       | 21.46               | 22.20               | 1.186                  | 0.02             | 0.118                  | 0.140                  |
|          | LTE Band 5_LAT  | 10M      | QPSK       | 25RB    | 12Offset  | Left Tilted   | 0mm      | Full Power          | 20525 | 836.5       | 21.46               | 22.20               | 1.186                  | 0.02             | 0.060                  | 0.071                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | Full Power          | 26865 | 831.5       | 22.85               | 23.80               | 1.245                  | 0.08             | 0.416                  | 0.518                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | Full Power          | 26865 | 831.5       | 22.85               | 23.80               | 1.245                  | 0.02             | 0.099                  | 0.123                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 1RB     | 0Offset   | Left Cheek    | 0mm      | Full Power          | 26865 | 831.5       | 22.85               | 23.80               | 1.245                  | -0.06            | 0.670                  | 0.834                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 1RB     | 0Offset   | Left Tilted   | 0mm      | Full Power          | 26865 | 831.5       | 22.85               | 23.80               | 1.245                  | 0.01             | 0.119                  | 0.148                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 1RB     | 0Offset   | Left Cheek    | 0mm      | Full Power          | 26765 | 821.5       | 22.70               | 23.80               | 1.288                  | -0.09            | 0.599                  | 0.772                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 1RB     | 0Offset   | Left Cheek    | 0mm      | Full Power          | 26965 | 841.5       | 22.70               | 23.80               | 1.288                  | 0.09             | 0.687                  | 0.885                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 36RB    | 20Offset  | Right Cheek   | 0mm      | Full Power          | 26865 | 831.5       | 21.92               | 22.80               | 1.225                  | -0.05            | 0.343                  | 0.420                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 36RB    | 20Offset  | Right Tilted  | 0mm      | Full Power          | 26865 | 831.5       | 21.92               | 22.80               | 1.225                  | 0.03             | 0.074                  | 0.090                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 36RB    | 20Offset  | Left Cheek    | 0mm      | Full Power          | 26865 | 831.5       | 21.92               | 22.80               | 1.225                  | 0.02             | 0.550                  | 0.674                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 36RB    | 20Offset  | Left Tilted   | 0mm      | Full Power          | 26865 | 831.5       | 21.92               | 22.80               | 1.225                  | 0.07             | 0.096                  | 0.118                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 75RB    | 0Offset   | Left Cheek    | 0mm      | Full Power          | 26865 | 831.5       | 21.86               | 22.80               | 1.242                  | -0.02            | 0.539                  | 0.669                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | Full Power          | 26865 | 831.5       | 22.45               | 23.20               | 1.189                  | -0.05            | 0.092                  | 0.109                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | Full Power          | 26865 | 831.5       | 22.45               | 23.20               | 1.189                  | 0.06             | 0.068                  | 0.081                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 1RB     | 0Offset   | Left Cheek    | 0mm      | Full Power          | 26865 | 831.5       | 22.45               | 23.20               | 1.189                  | 0.1              | 0.111                  | 0.132                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 1RB     | 0Offset   | Left Tilted   | 0mm      | Full Power          | 26865 | 831.5       | 22.45               | 23.20               | 1.189                  | 0.06             | 0.048                  | 0.057                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 1RB     | 0Offset   | Left Cheek    | 0mm      | Full Power          | 26765 | 821.5       | 22.31               | 23.20               | 1.227                  | 0.05             | 0.116                  | 0.142                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 1RB     | 0Offset   | Left Cheek    | 0mm      | Full Power          | 26965 | 841.5       | 22.44               | 23.20               | 1.191                  | -0.11            | 0.127                  | 0.151                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 36RB    | 20Offset  | Right Cheek   | 0mm      | Full Power          | 26865 | 831.5       | 21.51               | 22.20               | 1.172                  | 0.05             | 0.070                  | 0.082                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 36RB    | 20Offset  | Right Tilted  | 0mm      | Full Power          | 26865 | 831.5       | 21.51               | 22.20               | 1.172                  | -0.02            | 0.053                  | 0.062                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 36RB    | 20Offset  | Left Cheek    | 0mm      | Full Power          | 26865 | 831.5       | 21.51               | 22.20               | 1.172                  | 0.09             | 0.089                  | 0.104                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 36RB    | 20Offset  | Left Tilted   | 0mm      | Full Power          | 26865 | 831.5       | 21.51               | 22.20               | 1.172                  | -0.03            | 0.045                  | 0.053                  |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

| Plot No. | Band            | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State             | Ch.    | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------------|----------|------------|---------|-----------|---------------|----------|-------------------------|--------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 132322 | 1745        | 17.91               | 18.10               | 1.045                  | 0.05             | 0.984                  | 1.028                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | 1 or 2 with 2.4GHz/5GHz | 132322 | 1745        | 17.91               | 18.10               | 1.045                  | 0.05             | 0.927                  | 0.968                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Cheek    | 0mm      | 1 or 2 with 2.4GHz/5GHz | 132322 | 1745        | 17.91               | 18.10               | 1.045                  | 0.06             | 0.290                  | 0.303                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Tilted   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 132322 | 1745        | 17.91               | 18.10               | 1.045                  | -0.01            | 0.311                  | 0.325                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 132072 | 1720        | 17.83               | 18.10               | 1.064                  | 0.09             | 0.854                  | 0.909                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 132572 | 1770        | 17.68               | 18.10               | 1.102                  | 0.06             | 1.020                  | 1.124                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | 1 or 2 with 2.4GHz/5GHz | 132072 | 1720        | 17.83               | 18.10               | 1.064                  | -0.08            | 0.809                  | 0.861                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | 1 or 2 with 2.4GHz/5GHz | 132572 | 1770        | 17.68               | 18.10               | 1.102                  | -0.02            | 1.050                  | 1.157                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 132322 | 1745        | 17.87               | 18.10               | 1.054                  | 0.03             | 1.010                  | 1.065                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Tilted  | 0mm      | 1 or 2 with 2.4GHz/5GHz | 132322 | 1745        | 17.87               | 18.10               | 1.054                  | -0.09            | 0.983                  | 1.036                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Left Cheek    | 0mm      | 1 or 2 with 2.4GHz/5GHz | 132322 | 1745        | 17.87               | 18.10               | 1.054                  | 0.07             | 0.287                  | 0.303                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Left Tilted   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 132322 | 1745        | 17.87               | 18.10               | 1.054                  | -0.06            | 0.307                  | 0.324                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 132072 | 1720        | 17.73               | 18.10               | 1.089                  | 0.01             | 0.876                  | 0.954                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 132572 | 1770        | 17.72               | 18.10               | 1.091                  | 0.08             | 1.060                  | 1.157                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Tilted  | 0mm      | 1 or 2 with 2.4GHz/5GHz | 132072 | 1720        | 17.73               | 18.10               | 1.089                  | 0.05             | 0.852                  | 0.928                  |
| 14       | LTE Band 66_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Tilted  | 0mm      | 1 or 2 with 2.4GHz/5GHz | 132572 | 1770        | 17.72               | 18.10               | 1.091                  | 0.08             | 1.080                  | 1.179                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 100RB   | 0Offset   | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 132322 | 1745        | 17.82               | 18.10               | 1.067                  | -0.05            | 1.020                  | 1.088                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 100RB   | 0Offset   | Right Tilted  | 0mm      | 1 or 2 with 2.4GHz/5GHz | 132322 | 1745        | 17.82               | 18.10               | 1.067                  | -0.04            | 0.987                  | 1.053                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | Full Power              | 132322 | 1745        | 23.73               | 24.30               | 1.140                  | -0.05            | 0.231                  | 0.263                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | Full Power              | 132322 | 1745        | 23.73               | 24.30               | 1.140                  | 0.03             | 0.107                  | 0.122                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Cheek    | 0mm      | Full Power              | 132322 | 1745        | 23.73               | 24.30               | 1.140                  | 0.04             | 0.103                  | 0.117                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Tilted   | 0mm      | Full Power              | 132322 | 1745        | 23.73               | 24.30               | 1.140                  | 0.05             | 0.058                  | 0.066                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | Full Power              | 132072 | 1720        | 23.59               | 24.30               | 1.178                  | -0.05            | 0.161                  | 0.190                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | Full Power              | 132572 | 1770        | 23.64               | 24.30               | 1.164                  | 0.02             | 0.203                  | 0.236                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Cheek   | 0mm      | Full Power              | 132322 | 1745        | 22.81               | 23.30               | 1.119                  | -0.09            | 0.190                  | 0.213                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Tilted  | 0mm      | Full Power              | 132322 | 1745        | 22.81               | 23.30               | 1.119                  | 0.02             | 0.090                  | 0.101                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 50RB    | 0Offset   | Left Cheek    | 0mm      | Full Power              | 132322 | 1745        | 22.81               | 23.30               | 1.119                  | -0.06            | 0.080                  | 0.090                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 50RB    | 0Offset   | Left Tilted   | 0mm      | Full Power              | 132322 | 1745        | 22.81               | 23.30               | 1.119                  | 0.01             | 0.049                  | 0.055                  |
|          | LTE Band 4_UAT  | 20M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | 2 with 2.4GHz           | 20175  | 1732.5      | 18.39               | 18.60               | 1.050                  | 0.04             | 0.994                  | 1.043                  |
|          | LTE Band 4_UAT  | 20M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | 2 with 2.4GHz           | 20175  | 1732.5      | 18.39               | 18.60               | 1.050                  | 0.05             | 0.940                  | 0.987                  |
|          | LTE Band 4_UAT  | 20M      | QPSK       | 1RB     | 0Offset   | Left Cheek    | 0mm      | 2 with 2.4GHz           | 20175  | 1732.5      | 18.39               | 18.60               | 1.050                  | 0.03             | 0.273                  | 0.287                  |
|          | LTE Band 4_UAT  | 20M      | QPSK       | 1RB     | 0Offset   | Left Tilted   | 0mm      | 2 with 2.4GHz           | 20175  | 1732.5      | 18.39               | 18.60               | 1.050                  | 0.02             | 0.334                  | 0.351                  |
|          | LTE Band 4_UAT  | 20M      | QPSK       | 50RB    | 0Offset   | Right Cheek   | 0mm      | 2 with 2.4GHz           | 20175  | 1732.5      | 18.38               | 18.60               | 1.052                  | 0.07             | 1.040                  | 1.094                  |
|          | LTE Band 4_UAT  | 20M      | QPSK       | 50RB    | 0Offset   | Right Tilted  | 0mm      | 2 with 2.4GHz           | 20175  | 1732.5      | 18.38               | 18.60               | 1.052                  | 0.09             | 0.996                  | 1.048                  |
|          | LTE Band 4_UAT  | 20M      | QPSK       | 50RB    | 0Offset   | Left Cheek    | 0mm      | 2 with 2.4GHz           | 20175  | 1732.5      | 18.38               | 18.60               | 1.052                  | 0.01             | 0.285                  | 0.300                  |
|          | LTE Band 4_UAT  | 20M      | QPSK       | 50RB    | 0Offset   | Left Tilted   | 0mm      | 2 with 2.4GHz           | 20175  | 1732.5      | 18.38               | 18.60               | 1.052                  | 0.06             | 0.341                  | 0.359                  |
| 15       | LTE Band 4_UAT  | 20M      | QPSK       | 100RB   | 0Offset   | Right Cheek   | 0mm      | 2 with 2.4GHz           | 20175  | 1732.5      | 18.30               | 18.60               | 1.072                  | 0.05             | 1.050                  | 1.125                  |
|          | LTE Band 4_UAT  | 20M      | QPSK       | 100RB   | 0Offset   | Right Tilted  | 0mm      | 2 with 2.4GHz           | 20175  | 1732.5      | 18.30               | 18.60               | 1.072                  | -0.02            | 1.020                  | 1.093                  |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

| Plot No. | Band            | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State        | Ch.   | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------------|----------|------------|---------|-----------|---------------|----------|--------------------|-------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | 1                  | 26340 | 1880        | 18.25               | 18.70               | 1.109                  | 0.05             | 0.964                  | 1.069                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | 1                  | 26340 | 1880        | 18.25               | 18.70               | 1.109                  | 0.01             | 1.010                  | 1.120                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Cheek    | 0mm      | 1                  | 26340 | 1880        | 18.25               | 18.70               | 1.109                  | -0.06            | 0.267                  | 0.296                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Tilted   | 0mm      | 1                  | 26340 | 1880        | 18.25               | 18.70               | 1.109                  | 0.02             | 0.407                  | 0.451                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | 1                  | 26140 | 1860        | 18.18               | 18.70               | 1.127                  | 0.01             | 0.972                  | 1.096                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | 1                  | 26590 | 1905        | 18.22               | 18.70               | 1.117                  | -0.08            | 0.970                  | 1.083                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | 1                  | 26140 | 1860        | 18.18               | 18.70               | 1.127                  | 0.01             | 1.010                  | 1.138                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | 1                  | 26590 | 1905        | 18.22               | 18.70               | 1.117                  | -0.09            | 0.980                  | 1.095                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Right Cheek   | 0mm      | 1                  | 26340 | 1880        | 18.23               | 18.70               | 1.114                  | 0.09             | 0.964                  | 1.074                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Right Tilted  | 0mm      | 1                  | 26340 | 1880        | 18.23               | 18.70               | 1.114                  | 0.02             | 1.000                  | 1.114                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Left Cheek    | 0mm      | 1                  | 26340 | 1880        | 18.23               | 18.70               | 1.114                  | 0.05             | 0.253                  | 0.282                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Left Tilted   | 0mm      | 1                  | 26340 | 1880        | 18.23               | 18.70               | 1.114                  | 0.04             | 0.398                  | 0.443                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Right Cheek   | 0mm      | 1                  | 26140 | 1860        | 18.19               | 18.70               | 1.125                  | 0.01             | 0.975                  | 1.096                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Right Cheek   | 0mm      | 1                  | 26590 | 1905        | 18.21               | 18.70               | 1.119                  | -0.05            | 0.960                  | 1.075                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Right Tilted  | 0mm      | 1                  | 26140 | 1860        | 18.19               | 18.70               | 1.125                  | 0.01             | 1.020                  | 1.147                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Right Tilted  | 0mm      | 1                  | 26590 | 1905        | 18.21               | 18.70               | 1.119                  | 0.03             | 0.991                  | 1.109                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 100RB   | 0Offset   | Right Cheek   | 0mm      | 1                  | 26340 | 1880        | 18.19               | 18.70               | 1.125                  | 0.02             | 0.966                  | 1.086                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 100RB   | 0Offset   | Right Tilted  | 0mm      | 1                  | 26340 | 1880        | 18.19               | 18.70               | 1.125                  | 0.04             | 0.907                  | 1.020                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | 2 with 2.4GHz/5GHz | 26340 | 1880        | 18.88               | 19.20               | 1.076                  | 0.07             | 1.030                  | 1.109                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | 2 with 2.4GHz/5GHz | 26340 | 1880        | 18.88               | 19.20               | 1.076                  | -0.02            | 0.930                  | 1.001                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Cheek    | 0mm      | 2 with 2.4GHz/5GHz | 26340 | 1880        | 18.88               | 19.20               | 1.076                  | 0.03             | 0.301                  | 0.324                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Tilted   | 0mm      | 2 with 2.4GHz/5GHz | 26340 | 1880        | 18.88               | 19.20               | 1.076                  | 0.04             | 0.348                  | 0.375                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | 2 with 2.4GHz/5GHz | 26140 | 1860        | 18.79               | 19.20               | 1.099                  | 0.03             | 1.040                  | 1.143                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | 2 with 2.4GHz/5GHz | 26590 | 1905        | 18.83               | 19.20               | 1.089                  | 0.08             | 1.030                  | 1.122                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | 2 with 2.4GHz/5GHz | 26140 | 1860        | 18.79               | 19.20               | 1.099                  | 0.01             | 0.935                  | 1.028                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | 2 with 2.4GHz/5GHz | 26590 | 1905        | 18.83               | 19.20               | 1.089                  | -0.05            | 0.908                  | 0.989                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Right Cheek   | 0mm      | 2 with 2.4GHz/5GHz | 26340 | 1880        | 18.86               | 19.20               | 1.081                  | -0.02            | 1.000                  | 1.081                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Right Tilted  | 0mm      | 2 with 2.4GHz/5GHz | 26340 | 1880        | 18.86               | 19.20               | 1.081                  | -0.05            | 0.917                  | 0.992                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Left Cheek    | 0mm      | 2 with 2.4GHz/5GHz | 26340 | 1880        | 18.86               | 19.20               | 1.081                  | 0.01             | 0.273                  | 0.295                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Left Tilted   | 0mm      | 2 with 2.4GHz/5GHz | 26340 | 1880        | 18.86               | 19.20               | 1.081                  | 0.05             | 0.310                  | 0.335                  |
| 16       | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Right Cheek   | 0mm      | 2 with 2.4GHz/5GHz | 26140 | 1860        | 18.82               | 19.20               | 1.091                  | 0.08             | 1.100                  | 1.201                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Right Cheek   | 0mm      | 2 with 2.4GHz/5GHz | 26590 | 1905        | 18.85               | 19.20               | 1.084                  | -0.09            | 1.090                  | 1.181                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Right Tilted  | 0mm      | 2 with 2.4GHz/5GHz | 26140 | 1860        | 18.82               | 19.20               | 1.091                  | 0.03             | 0.905                  | 0.988                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Right Tilted  | 0mm      | 2 with 2.4GHz/5GHz | 26590 | 1905        | 18.85               | 19.20               | 1.084                  | 0.04             | 0.941                  | 1.020                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 100RB   | 0Offset   | Right Cheek   | 0mm      | 2 with 2.4GHz/5GHz | 26340 | 1880        | 18.85               | 19.20               | 1.084                  | -0.05            | 1.030                  | 1.116                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 100RB   | 0Offset   | Right Tilted  | 0mm      | 2 with 2.4GHz/5GHz | 26340 | 1880        | 18.85               | 19.20               | 1.084                  | -0.06            | 0.925                  | 1.003                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | Full Power         | 26340 | 1880        | 23.18               | 23.80               | 1.153                  | 0.08             | 0.174                  | 0.201                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | Full Power         | 26340 | 1880        | 23.18               | 23.80               | 1.153                  | 0.03             | 0.082                  | 0.095                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Cheek    | 0mm      | Full Power         | 26340 | 1880        | 23.18               | 23.80               | 1.153                  | -0.05            | 0.119                  | 0.137                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Tilted   | 0mm      | Full Power         | 26340 | 1880        | 23.18               | 23.80               | 1.153                  | -0.04            | 0.090                  | 0.104                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | Full Power         | 26140 | 1860        | 23.09               | 23.80               | 1.178                  | 0.05             | 0.154                  | 0.181                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | Full Power         | 26590 | 1905        | 23.10               | 23.80               | 1.175                  | -0.02            | 0.172                  | 0.202                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 50RB    | 50Offset  | Right Cheek   | 0mm      | Full Power         | 26340 | 1880        | 22.26               | 22.80               | 1.132                  | 0.02             | 0.149                  | 0.169                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 50RB    | 50Offset  | Right Tilted  | 0mm      | Full Power         | 26340 | 1880        | 22.26               | 22.80               | 1.132                  | 0.01             | 0.067                  | 0.076                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 50RB    | 50Offset  | Left Cheek    | 0mm      | Full Power         | 26340 | 1880        | 22.26               | 22.80               | 1.132                  | 0.09             | 0.098                  | 0.111                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 50RB    | 50Offset  | Left Tilted   | 0mm      | Full Power         | 26340 | 1880        | 22.26               | 22.80               | 1.132                  | -0.04            | 0.079                  | 0.089                  |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

| Plot No. | Band            | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State   | Ch.   | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------------|----------|------------|---------|-----------|---------------|----------|---------------|-------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
|          | LTE Band 2_LAT  | 20M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | Full Power    | 18900 | 1880        | 23.31               | 24.30               | 1.256                  | -0.08            | 0.212                  | 0.266                  |
|          | LTE Band 2_LAT  | 20M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | Full Power    | 18900 | 1880        | 23.31               | 24.30               | 1.256                  | 0.02             | 0.124                  | 0.156                  |
|          | LTE Band 2_LAT  | 20M      | QPSK       | 1RB     | 0Offset   | Left Cheek    | 0mm      | Full Power    | 18900 | 1880        | 23.31               | 24.30               | 1.256                  | -0.06            | 0.142                  | 0.178                  |
|          | LTE Band 2_LAT  | 20M      | QPSK       | 1RB     | 0Offset   | Left Tilted   | 0mm      | Full Power    | 18900 | 1880        | 23.31               | 24.30               | 1.256                  | 0.02             | 0.106                  | 0.133                  |
| 17       | LTE Band 2_LAT  | 20M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | Full Power    | 18700 | 1860        | 23.20               | 24.30               | 1.288                  | 0.09             | 0.213                  | 0.274                  |
|          | LTE Band 2_LAT  | 20M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | Full Power    | 19100 | 1900        | 23.26               | 24.30               | 1.271                  | 0.04             | 0.181                  | 0.230                  |
|          | LTE Band 2_LAT  | 20M      | QPSK       | 50RB    | 24Offset  | Right Cheek   | 0mm      | Full Power    | 18900 | 1880        | 22.45               | 23.30               | 1.216                  | 0.02             | 0.172                  | 0.209                  |
|          | LTE Band 2_LAT  | 20M      | QPSK       | 50RB    | 24Offset  | Right Tilted  | 0mm      | Full Power    | 18900 | 1880        | 22.45               | 23.30               | 1.216                  | -0.03            | 0.100                  | 0.122                  |
|          | LTE Band 2_LAT  | 20M      | QPSK       | 50RB    | 24Offset  | Left Cheek    | 0mm      | Full Power    | 18900 | 1880        | 22.45               | 23.30               | 1.216                  | 0.01             | 0.110                  | 0.134                  |
|          | LTE Band 2_LAT  | 20M      | QPSK       | 50RB    | 24Offset  | Left Tilted   | 0mm      | Full Power    | 18900 | 1880        | 22.45               | 23.30               | 1.216                  | 0.08             | 0.086                  | 0.105                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | 1             | 27710 | 2310        | 19.21               | 19.50               | 1.069                  | -0.05            | 1.020                  | 1.090                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | 1             | 27710 | 2310        | 19.21               | 19.50               | 1.069                  | 0.03             | 1.090                  | 1.165                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Left Cheek    | 0mm      | 1             | 27710 | 2310        | 19.21               | 19.50               | 1.069                  | 0.05             | 0.290                  | 0.310                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Left Tilted   | 0mm      | 1             | 27710 | 2310        | 19.21               | 19.50               | 1.069                  | 0.09             | 0.261                  | 0.279                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 25RB    | 0Offset   | Right Cheek   | 0mm      | 1             | 27710 | 2310        | 19.20               | 19.50               | 1.072                  | 0.05             | 1.040                  | 1.114                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 25RB    | 0Offset   | Right Tilted  | 0mm      | 1             | 27710 | 2310        | 19.20               | 19.50               | 1.072                  | 0.01             | 1.100                  | 1.179                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 25RB    | 0Offset   | Left Cheek    | 0mm      | 1             | 27710 | 2310        | 19.20               | 19.50               | 1.072                  | 0.03             | 0.294                  | 0.315                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 25RB    | 0Offset   | Left Tilted   | 0mm      | 1             | 27710 | 2310        | 19.20               | 19.50               | 1.072                  | 0.09             | 0.263                  | 0.282                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 50RB    | 0Offset   | Right Cheek   | 0mm      | 1             | 27710 | 2310        | 19.20               | 19.50               | 1.072                  | -0.02            | 1.040                  | 1.114                  |
| 18       | LTE Band 30_UAT | 10M      | QPSK       | 50RB    | 0Offset   | Right Tilted  | 0mm      | 1             | 27710 | 2310        | 19.20               | 19.50               | 1.072                  | 0.07             | 1.110                  | 1.189                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | 2 with 2.4GHz | 27710 | 2310        | 18.75               | 19.00               | 1.059                  | 0.02             | 1.020                  | 1.080                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | 2 with 2.4GHz | 27710 | 2310        | 18.75               | 19.00               | 1.059                  | 0.06             | 0.979                  | 1.037                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Left Cheek    | 0mm      | 2 with 2.4GHz | 27710 | 2310        | 18.75               | 19.00               | 1.059                  | 0.01             | 0.296                  | 0.314                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Left Tilted   | 0mm      | 2 with 2.4GHz | 27710 | 2310        | 18.75               | 19.00               | 1.059                  | 0.03             | 0.234                  | 0.248                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 25RB    | 0Offset   | Right Cheek   | 0mm      | 2 with 2.4GHz | 27710 | 2310        | 18.69               | 19.00               | 1.074                  | 0.07             | 1.000                  | 1.074                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 25RB    | 0Offset   | Right Tilted  | 0mm      | 2 with 2.4GHz | 27710 | 2310        | 18.69               | 19.00               | 1.074                  | 0.02             | 1.010                  | 1.085                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 25RB    | 0Offset   | Left Cheek    | 0mm      | 2 with 2.4GHz | 27710 | 2310        | 18.69               | 19.00               | 1.074                  | 0.03             | 0.301                  | 0.323                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 25RB    | 0Offset   | Left Tilted   | 0mm      | 2 with 2.4GHz | 27710 | 2310        | 18.69               | 19.00               | 1.074                  | 0.06             | 0.244                  | 0.262                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 50RB    | 0Offset   | Right Cheek   | 0mm      | 2 with 2.4GHz | 27710 | 2310        | 18.67               | 19.00               | 1.079                  | 0.05             | 1.010                  | 1.090                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 50RB    | 0Offset   | Right Tilted  | 0mm      | 2 with 2.4GHz | 27710 | 2310        | 18.67               | 19.00               | 1.079                  | 0.01             | 1.000                  | 1.079                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | 2 with 5GHz   | 27710 | 2310        | 17.38               | 17.50               | 1.028                  | -0.03            | 0.698                  | 0.718                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | 2 with 5GHz   | 27710 | 2310        | 17.38               | 17.50               | 1.028                  | 0.02             | 0.713                  | 0.733                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Left Cheek    | 0mm      | 2 with 5GHz   | 27710 | 2310        | 17.38               | 17.50               | 1.028                  | 0.06             | 0.208                  | 0.214                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Left Tilted   | 0mm      | 2 with 5GHz   | 27710 | 2310        | 17.38               | 17.50               | 1.028                  | 0.01             | 0.172                  | 0.177                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 25RB    | 0Offset   | Right Cheek   | 0mm      | 2 with 5GHz   | 27710 | 2310        | 17.36               | 17.50               | 1.033                  | 0.06             | 0.696                  | 0.719                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 25RB    | 0Offset   | Right Tilted  | 0mm      | 2 with 5GHz   | 27710 | 2310        | 17.36               | 17.50               | 1.033                  | 0.05             | 0.712                  | 0.735                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 25RB    | 0Offset   | Left Cheek    | 0mm      | 2 with 5GHz   | 27710 | 2310        | 17.36               | 17.50               | 1.033                  | 0.03             | 0.197                  | 0.203                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 25RB    | 0Offset   | Left Tilted   | 0mm      | 2 with 5GHz   | 27710 | 2310        | 17.36               | 17.50               | 1.033                  | 0.03             | 0.168                  | 0.174                  |
|          | LTE Band 30_LAT | 10M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | Full Power    | 27710 | 2310        | 22.56               | 23.80               | 1.330                  | 0.05             | 0.121                  | 0.161                  |
|          | LTE Band 30_LAT | 10M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | Full Power    | 27710 | 2310        | 22.56               | 23.80               | 1.330                  | -0.03            | 0.083                  | 0.110                  |
|          | LTE Band 30_LAT | 10M      | QPSK       | 1RB     | 0Offset   | Left Cheek    | 0mm      | Full Power    | 27710 | 2310        | 22.56               | 23.80               | 1.330                  | 0.01             | 0.112                  | 0.149                  |
|          | LTE Band 30_LAT | 10M      | QPSK       | 1RB     | 0Offset   | Left Tilted   | 0mm      | Full Power    | 27710 | 2310        | 22.56               | 23.80               | 1.330                  | 0.08             | 0.068                  | 0.090                  |
|          | LTE Band 30_LAT | 10M      | QPSK       | 25RB    | 0Offset   | Right Cheek   | 0mm      | Full Power    | 27710 | 2310        | 21.51               | 22.80               | 1.346                  | 0.12             | 0.096                  | 0.129                  |
|          | LTE Band 30_LAT | 10M      | QPSK       | 25RB    | 0Offset   | Right Tilted  | 0mm      | Full Power    | 27710 | 2310        | 21.51               | 22.80               | 1.346                  | 0.02             | 0.066                  | 0.089                  |
|          | LTE Band 30_LAT | 10M      | QPSK       | 25RB    | 0Offset   | Left Cheek    | 0mm      | Full Power    | 27710 | 2310        | 21.51               | 22.80               | 1.346                  | 0.06             | 0.091                  | 0.122                  |
|          | LTE Band 30_LAT | 10M      | QPSK       | 25RB    | 0Offset   | Left Tilted   | 0mm      | Full Power    | 27710 | 2310        | 21.51               | 22.80               | 1.346                  | -0.03            | 0.055                  | 0.074                  |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

| Plot No. | Band           | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State      | Ch.                   | Freq. (MHz)             | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|----------------|----------|------------|---------|-----------|---------------|----------|------------------|-----------------------|-------------------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Right Cheek   | 0mm      | 1 or 2 with 5GHz | 21350                 | 2560                    | 17.70               | 18.20               | 1.122                  | -0.05            | 0.913                  | 1.024                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Right Tilted  | 0mm      | 1 or 2 with 5GHz | 21350                 | 2560                    | 17.70               | 18.20               | 1.122                  | 0.06             | 0.954                  | 1.070                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Left Cheek    | 0mm      | 1 or 2 with 5GHz | 21350                 | 2560                    | 17.70               | 18.20               | 1.122                  | 0.02             | 0.229                  | 0.257                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Left Tilted   | 0mm      | 1 or 2 with 5GHz | 21350                 | 2560                    | 17.70               | 18.20               | 1.122                  | 0.04             | 0.278                  | 0.312                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Right Cheek   | 0mm      | 1 or 2 with 5GHz | 20850                 | 2510                    | 17.55               | 18.20               | 1.161                  | -0.05            | 0.898                  | 1.043                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Right Cheek   | 0mm      | 1 or 2 with 5GHz | 21100                 | 2535                    | 17.60               | 18.20               | 1.148                  | 0.05             | 0.896                  | 1.029                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Right Tilted  | 0mm      | 1 or 2 with 5GHz | 20850                 | 2510                    | 17.55               | 18.20               | 1.161                  | 0.02             | 0.958                  | 1.113                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Right Tilted  | 0mm      | 1 or 2 with 5GHz | 21100                 | 2535                    | 17.60               | 18.20               | 1.148                  | -0.03            | 0.954                  | 1.095                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Cheek   | 0mm      | 1 or 2 with 5GHz | 21350                 | 2560                    | 17.69               | 18.20               | 1.125                  | -0.18            | 0.923                  | 1.038                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Tilted  | 0mm      | 1 or 2 with 5GHz | 21350                 | 2560                    | 17.69               | 18.20               | 1.125                  | -0.04            | 0.997                  | 1.121                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Left Cheek    | 0mm      | 1 or 2 with 5GHz | 21350                 | 2560                    | 17.69               | 18.20               | 1.125                  | 0.07             | 0.255                  | 0.287                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Left Tilted   | 0mm      | 1 or 2 with 5GHz | 21350                 | 2560                    | 17.69               | 18.20               | 1.125                  | -0.02            | 0.311                  | 0.350                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Cheek   | 0mm      | 1 or 2 with 5GHz | 20850                 | 2510                    | 17.60               | 18.20               | 1.148                  | 0.02             | 0.894                  | 1.026                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Cheek   | 0mm      | 1 or 2 with 5GHz | 21100                 | 2535                    | 17.68               | 18.20               | 1.127                  | 0.03             | 0.953                  | 1.074                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Tilted  | 0mm      | 1 or 2 with 5GHz | 20850                 | 2510                    | 17.60               | 18.20               | 1.148                  | -0.1             | 0.963                  | 1.106                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Tilted  | 0mm      | 1 or 2 with 5GHz | 21100                 | 2535                    | 17.68               | 18.20               | 1.127                  | -0.03            | 1.040                  | 1.172                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Tilted  | 0mm      | 1 or 2 with 5GHz | 21100(PCC)+20902(SCC) | 2535(PCC) + 2515.2(SCC) | 17.63               | 18.20               | 1.140                  | 0.05             | 0.871                  | 0.993                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Tilted  | 0mm      | 1 or 2 with 5GHz | 20850(PCC)+21048(SCC) | 2510(PCC) + 2529.8(SCC) | 17.55               | 18.20               | 1.161                  | 0.01             | 0.816                  | 0.948                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Tilted  | 0mm      | 1 or 2 with 5GHz | 21350(PCC)+21152(SCC) | 2560(PCC) + 2540.2(SCC) | 17.56               | 18.20               | 1.159                  | -0.03            | 0.834                  | 0.966                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 100RB   | 0Offset   | Right Cheek   | 0mm      | 1 or 2 with 5GHz | 21350                 | 2560                    | 17.67               | 18.20               | 1.130                  | 0.05             | 0.898                  | 1.015                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 100RB   | 0Offset   | Right Tilted  | 0mm      | 1 or 2 with 5GHz | 21350                 | 2560                    | 17.67               | 18.20               | 1.130                  | -0.03            | 0.974                  | 1.100                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Right Cheek   | 0mm      | 2 with 2.4GHz    | 21350                 | 2560                    | 18.18               | 18.30               | 1.028                  | 0.05             | 1.020                  | 1.049                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Right Tilted  | 0mm      | 2 with 2.4GHz    | 21350                 | 2560                    | 18.18               | 18.30               | 1.028                  | 0.04             | 1.030                  | 1.059                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Left Cheek    | 0mm      | 2 with 2.4GHz    | 21350                 | 2560                    | 18.18               | 18.30               | 1.028                  | 0.03             | 0.234                  | 0.241                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Left Tilted   | 0mm      | 2 with 2.4GHz    | 21350                 | 2560                    | 18.18               | 18.30               | 1.028                  | 0.02             | 0.255                  | 0.262                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Right Cheek   | 0mm      | 2 with 2.4GHz    | 21100                 | 2535                    | 18.07               | 18.30               | 1.054                  | 0.05             | 1.070                  | 1.128                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Right Tilted  | 0mm      | 2 with 2.4GHz    | 21100                 | 2535                    | 18.07               | 18.30               | 1.054                  | 0.05             | 1.080                  | 1.139                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Cheek   | 0mm      | 2 with 2.4GHz    | 21350                 | 2560                    | 18.17               | 18.30               | 1.030                  | 0.05             | 1.080                  | 1.113                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Tilted  | 0mm      | 2 with 2.4GHz    | 21350                 | 2560                    | 18.17               | 18.30               | 1.030                  | 0.09             | 1.110                  | 1.144                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Left Cheek    | 0mm      | 2 with 2.4GHz    | 21350                 | 2560                    | 18.17               | 18.30               | 1.030                  | 0.07             | 0.254                  | 0.262                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Left Tilted   | 0mm      | 2 with 2.4GHz    | 21350                 | 2560                    | 18.17               | 18.30               | 1.030                  | -0.03            | 0.257                  | 0.265                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Cheek   | 0mm      | 2 with 2.4GHz    | 21100                 | 2535                    | 18.15               | 18.30               | 1.035                  | 0.06             | 1.130                  | 1.170                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Tilted  | 0mm      | 2 with 2.4GHz    | 20850                 | 2510                    | 18.04               | 18.30               | 1.062                  | -0.06            | 1.110                  | 1.178                  |
| 19       | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Tilted  | 0mm      | 2 with 2.4GHz    | 21100                 | 2535                    | 18.15               | 18.30               | 1.035                  | -0.09            | 1.140                  | 1.180                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Tilted  | 0mm      | 2 with 2.4GHz    | 21100(PCC)+20902(SCC) | 2535(PCC) + 2515.2(SCC) | 18.11               | 18.30               | 1.045                  | -0.02            | 1.090                  | 1.139                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Tilted  | 0mm      | 2 with 2.4GHz    | 20850(PCC)+21048(SCC) | 2510(PCC) + 2529.8(SCC) | 18.01               | 18.30               | 1.069                  | 0.01             | 1.010                  | 1.080                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Tilted  | 0mm      | 2 with 2.4GHz    | 21350(PCC)+21152(SCC) | 2560(PCC) + 2540.2(SCC) | 18.16               | 18.30               | 1.033                  | 0.07             | 1.060                  | 1.095                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 100RB   | 0Offset   | Right Cheek   | 0mm      | 2 with 2.4GHz    | 21350                 | 2560                    | 18.14               | 18.30               | 1.038                  | 0.03             | 1.050                  | 1.089                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 100RB   | 0Offset   | Right Tilted  | 0mm      | 2 with 2.4GHz    | 21350                 | 2560                    | 18.14               | 18.30               | 1.038                  | 0.02             | 1.070                  | 1.110                  |
|          | LTE Band 7_LAT | 20M      | QPSK       | 1RB     | 99Offset  | Right Cheek   | 0mm      | Full Power       | 21350                 | 2560                    | 23.25               | 23.80               | 1.135                  | 0.01             | 0.080                  | 0.091                  |
|          | LTE Band 7_LAT | 20M      | QPSK       | 1RB     | 99Offset  | Right Tilted  | 0mm      | Full Power       | 21350                 | 2560                    | 23.25               | 23.80               | 1.135                  | 0.09             | 0.094                  | 0.107                  |
|          | LTE Band 7_LAT | 20M      | QPSK       | 1RB     | 99Offset  | Left Cheek    | 0mm      | Full Power       | 21350                 | 2560                    | 23.25               | 23.80               | 1.135                  | -0.05            | 0.108                  | 0.123                  |
|          | LTE Band 7_LAT | 20M      | QPSK       | 1RB     | 99Offset  | Left Tilted   | 0mm      | Full Power       | 21350                 | 2560                    | 23.25               | 23.80               | 1.135                  | 0.03             | 0.055                  | 0.062                  |
|          | LTE Band 7_LAT | 20M      | QPSK       | 1RB     | 99Offset  | Left Cheek    | 0mm      | Full Power       | 20850                 | 2510                    | 23.22               | 23.80               | 1.143                  | 0.06             | 0.103                  | 0.118                  |
|          | LTE Band 7_LAT | 20M      | QPSK       | 1RB     | 99Offset  | Left Cheek    | 0mm      | Full Power       | 21100                 | 2535                    | 23.24               | 23.80               | 1.138                  | 0.05             | 0.109                  | 0.124                  |
|          | LTE Band 7_LAT | 20M      | QPSK       | 1RB     | 99Offset  | Left Cheek    | 0mm      | Full Power       | 21100(PCC)+20902(SCC) | 2535(PCC) + 2515.2(SCC) | 22.95               | 23.80               | 1.216                  | 0.02             | 0.102                  | 0.124                  |
|          | LTE Band 7_LAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Cheek   | 0mm      | Full Power       | 21350                 | 2560                    | 22.35               | 22.80               | 1.109                  | -0.07            | 0.072                  | 0.080                  |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

|  |                |     |      |      |         |              |     |            |       |      |       |       |       |      |       |       |
|--|----------------|-----|------|------|---------|--------------|-----|------------|-------|------|-------|-------|-------|------|-------|-------|
|  | LTE Band 7_LAT | 20M | QPSK | 50RB | 0Offset | Right Tilted | 0mm | Full Power | 21350 | 2560 | 22.35 | 22.80 | 1.109 | 0.01 | 0.088 | 0.098 |
|  | LTE Band 7_LAT | 20M | QPSK | 50RB | 0Offset | Left Cheek   | 0mm | Full Power | 21350 | 2560 | 22.35 | 22.80 | 1.109 | 0.04 | 0.098 | 0.109 |
|  | LTE Band 7_LAT | 20M | QPSK | 50RB | 0Offset | Left Tilted  | 0mm | Full Power | 21350 | 2560 | 22.35 | 22.80 | 1.109 | 0.06 | 0.052 | 0.058 |

## <TDD LTE SAR>

| Plot No. | Band            | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State        | Ch.                     | Freq. (MHz)               | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------------|----------|------------|---------|-----------|---------------|----------|--------------------|-------------------------|---------------------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz | 41490                   | 2680                      | 19.22               | 19.50               | 1.067                  | 62.9         | 1.006                     | 0.05             | 0.554                  | 0.594                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Right Tilted  | 0mm      | 1 or 2 with 2.4GHz | 41490                   | 2680                      | 19.22               | 19.50               | 1.067                  | 62.9         | 1.006                     | -0.02            | 0.442                  | 0.474                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Left Cheek    | 0mm      | 1 or 2 with 2.4GHz | 41490                   | 2680                      | 19.22               | 19.50               | 1.067                  | 62.9         | 1.006                     | 0.07             | 0.128                  | 0.137                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Left Tilted   | 0mm      | 1 or 2 with 2.4GHz | 41490                   | 2680                      | 19.22               | 19.50               | 1.067                  | 62.9         | 1.006                     | 0.01             | 0.150                  | 0.161                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz | 41490                   | 2680                      | 19.20               | 19.50               | 1.072                  | 62.9         | 1.006                     | 0.02             | 0.589                  | 0.635                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Tilted  | 0mm      | 1 or 2 with 2.4GHz | 41490                   | 2680                      | 19.20               | 19.50               | 1.072                  | 62.9         | 1.006                     | 0.02             | 0.439                  | 0.473                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Left Cheek    | 0mm      | 1 or 2 with 2.4GHz | 41490                   | 2680                      | 19.20               | 19.50               | 1.072                  | 62.9         | 1.006                     | -0.05            | 0.131                  | 0.141                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Left Tilted   | 0mm      | 1 or 2 with 2.4GHz | 41490                   | 2680                      | 19.20               | 19.50               | 1.072                  | 62.9         | 1.006                     | -0.11            | 0.151                  | 0.163                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz | 39790(PCC) + 39988(SCC) | 2510(PCC) + 2529.8(SCC)   | 19.09               | 19.50               | 1.099                  | 62.9         | 1.006                     | 0.05             | 0.763                  | 0.844                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz | 39750(PCC) + 39948(SCC) | 2506(PCC) + 2525.8(SCC)   | 19.13               | 19.50               | 1.089                  | 62.9         | 1.006                     | -0.02            | 0.751                  | 0.823                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz | 40185(PCC) + 40383(SCC) | 2549.5(PCC) + 2569.3(SCC) | 19.15               | 19.50               | 1.084                  | 62.9         | 1.006                     | 0.07             | 0.632                  | 0.689                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz | 40620(PCC) + 40422(SCC) | 2593(PCC) + 2573.2(SCC)   | 19.15               | 19.50               | 1.084                  | 62.9         | 1.006                     | -0.03            | 0.706                  | 0.770                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz | 41055(PCC) + 40857(SCC) | 2636.5(PCC) + 2616.7(SCC) | 19.01               | 19.50               | 1.119                  | 62.9         | 1.006                     | 0.01             | 0.624                  | 0.703                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz | 41490(PCC)+ 41292(SCC)  | 2680(PCC) + 2660.2(SCC)   | 19.16               | 19.50               | 1.081                  | 62.9         | 1.006                     | 0.06             | 0.577                  | 0.628                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz | 39750                   | 2506                      | 19.19               | 19.50               | 1.074                  | 62.9         | 1.006                     | 0.05             | 0.817                  | 0.883                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz | 40185                   | 2549.5                    | 19.19               | 19.50               | 1.074                  | 62.9         | 1.006                     | 0.02             | 0.765                  | 0.827                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz | 40620                   | 2593                      | 19.09               | 19.50               | 1.099                  | 62.9         | 1.006                     | -0.09            | 0.814                  | 0.900                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz | 41055                   | 2636.5                    | 19.04               | 19.50               | 1.112                  | 62.9         | 1.006                     | 0.02             | 0.691                  | 0.773                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz | 39750                   | 2506                      | 19.33               | 19.50               | 1.040                  | 42.9         | 1.009                     | 0.06             | 0.577                  | 0.605                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz | 40185                   | 2549.5                    | 19.29               | 19.50               | 1.050                  | 42.9         | 1.009                     | 0.01             | 0.594                  | 0.629                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz | 40620                   | 2593                      | 19.26               | 19.50               | 1.057                  | 42.9         | 1.009                     | 0.04             | 0.522                  | 0.557                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz | 41055                   | 2636.5                    | 19.13               | 19.50               | 1.089                  | 42.9         | 1.009                     | 0.02             | 0.440                  | 0.483                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz | 41490                   | 2680                      | 19.38               | 19.50               | 1.028                  | 42.9         | 1.009                     | -0.06            | 0.409                  | 0.424                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 100RB   | 0Offset   | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz | 41490                   | 2680                      | 19.19               | 19.50               | 1.074                  | 62.9         | 1.006                     | -0.01            | 0.584                  | 0.631                  |



| Plot No. | Band            | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State | Ch.                     | Freq. (MHz)               | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------------|----------|------------|---------|-----------|---------------|----------|-------------|-------------------------|---------------------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Right Cheek   | 0mm      | 2 with 5GHz | 41490                   | 2680                      | 20.30               | 20.50               | 1.047                  | 62.9         | 1.006                     | 0.09             | 0.585                  | 0.616                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Right Tilted  | 0mm      | 2 with 5GHz | 41490                   | 2680                      | 20.30               | 20.50               | 1.047                  | 62.9         | 1.006                     | 0.02             | 0.494                  | 0.520                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Left Cheek    | 0mm      | 2 with 5GHz | 41490                   | 2680                      | 20.30               | 20.50               | 1.047                  | 62.9         | 1.006                     | -0.05            | 0.166                  | 0.175                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Left Tilted   | 0mm      | 2 with 5GHz | 41490                   | 2680                      | 20.30               | 20.50               | 1.047                  | 62.9         | 1.006                     | 0.04             | 0.198                  | 0.209                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Right Cheek   | 0mm      | 2 with 5GHz | 39750                   | 2506                      | 20.29               | 20.50               | 1.050                  | 62.9         | 1.006                     | -0.01            | 1.090                  | 1.151                  |
| 20       | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Right Cheek   | 0mm      | 2 with 5GHz | 40185                   | 2549.5                    | 20.00               | 20.50               | 1.122                  | 62.9         | 1.006                     | 0.01             | 1.050                  | 1.185                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Right Cheek   | 0mm      | 2 with 5GHz | 39790(PCC) + 39988(SCC) | 2510(PCC) + 2529.8(SCC)   | 20.26               | 20.50               | 1.057                  | 62.9         | 1.006                     | 0.05             | 0.895                  | 0.952                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Right Cheek   | 0mm      | 2 with 5GHz | 39750(PCC) + 39948(SCC) | 2506(PCC) + 2525.8(SCC)   | 20.28               | 20.50               | 1.052                  | 62.9         | 1.006                     | -0.04            | 0.902                  | 0.955                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Right Cheek   | 0mm      | 2 with 5GHz | 40185(PCC) + 40383(SCC) | 2549.5(PCC) + 2569.3(SCC) | 19.94               | 20.50               | 1.138                  | 62.9         | 1.006                     | 0.13             | 0.911                  | 1.043                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Right Cheek   | 0mm      | 2 with 5GHz | 40620(PCC) + 40422(SCC) | 2593(PCC) + 2573.2(SCC)   | 20.07               | 20.50               | 1.104                  | 62.9         | 1.006                     | 0.04             | 0.889                  | 0.987                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Right Cheek   | 0mm      | 2 with 5GHz | 41055(PCC) + 40857(SCC) | 2636.5(PCC) + 2616.7(SCC) | 19.79               | 20.50               | 1.178                  | 62.9         | 1.006                     | 0.08             | 0.751                  | 0.890                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Right Cheek   | 0mm      | 2 with 5GHz | 41490(PCC)+ 41292(SCC)  | 2680(PCC) + 2660.2(SCC)   | 20.27               | 20.50               | 1.054                  | 62.9         | 1.006                     | 0.06             | 0.510                  | 0.541                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Right Cheek   | 0mm      | 2 with 5GHz | 40620                   | 2593                      | 20.10               | 20.50               | 1.096                  | 62.9         | 1.006                     | 0.05             | 0.929                  | 1.025                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Right Cheek   | 0mm      | 2 with 5GHz | 41055                   | 2636.5                    | 20.12               | 20.50               | 1.091                  | 62.9         | 1.006                     | 0.04             | 0.790                  | 0.867                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Right Cheek   | 0mm      | 2 with 5GHz | 39750                   | 2506                      | 20.32               | 20.50               | 1.042                  | 42.9         | 1.009                     | 0.05             | 0.695                  | 0.731                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Right Cheek   | 0mm      | 2 with 5GHz | 40185                   | 2549.5                    | 20.20               | 20.50               | 1.072                  | 42.9         | 1.009                     | 0.03             | 0.714                  | 0.772                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Right Cheek   | 0mm      | 2 with 5GHz | 40620                   | 2593                      | 20.35               | 20.50               | 1.035                  | 42.9         | 1.009                     | -0.02            | 0.675                  | 0.705                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Right Cheek   | 0mm      | 2 with 5GHz | 41055                   | 2636.5                    | 20.31               | 20.50               | 1.045                  | 42.9         | 1.009                     | 0.02             | 0.571                  | 0.602                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Right Cheek   | 0mm      | 2 with 5GHz | 41490                   | 2680                      | 20.43               | 20.50               | 1.016                  | 42.9         | 1.009                     | 0.04             | 0.527                  | 0.540                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Cheek   | 0mm      | 2 with 5GHz | 41490                   | 2680                      | 20.05               | 20.50               | 1.109                  | 62.9         | 1.006                     | 0.05             | 0.544                  | 0.607                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Tilted  | 0mm      | 2 with 5GHz | 41490                   | 2680                      | 20.05               | 20.50               | 1.109                  | 62.9         | 1.006                     | 0.02             | 0.458                  | 0.511                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Left Cheek    | 0mm      | 2 with 5GHz | 41490                   | 2680                      | 20.05               | 20.50               | 1.109                  | 62.9         | 1.006                     | 0.07             | 0.158                  | 0.176                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Left Tilted   | 0mm      | 2 with 5GHz | 41490                   | 2680                      | 20.05               | 20.50               | 1.109                  | 62.9         | 1.006                     | -0.02            | 0.172                  | 0.192                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Cheek   | 0mm      | 2 with 5GHz | 39750                   | 2506                      | 20.01               | 20.50               | 1.119                  | 62.9         | 1.006                     | 0.05             | 0.926                  | 1.043                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Cheek   | 0mm      | 2 with 5GHz | 40185                   | 2549.5                    | 19.76               | 20.50               | 1.186                  | 62.9         | 1.006                     | 0.04             | 0.961                  | 1.146                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Cheek   | 0mm      | 2 with 5GHz | 40620                   | 2593                      | 19.85               | 20.50               | 1.161                  | 62.9         | 1.006                     | 0.02             | 0.932                  | 1.089                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Cheek   | 0mm      | 2 with 5GHz | 41055                   | 2636.5                    | 19.82               | 20.50               | 1.169                  | 62.9         | 1.006                     | 0.06             | 0.884                  | 1.040                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 100RB   | 0Offset   | Right Cheek   | 0mm      | 2 with 5GHz | 41490                   | 2680                      | 20.02               | 20.50               | 1.117                  | 62.9         | 1.006                     | 0.01             | 0.543                  | 0.610                  |



| Plot No. | Band            | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State             | Ch.                                               | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------------|----------|------------|---------|-----------|---------------|----------|-------------------------|---------------------------------------------------|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Right Cheek   | 0mm      | Full Power              | 41490                                             | 2680        | 23.29               | 23.80               | 1.125                  | 62.9         | 1.006                     | 0.05             | 0.040                  | 0.045                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Right Tilted  | 0mm      | Full Power              | 41490                                             | 2680        | 23.29               | 23.80               | 1.125                  | 62.9         | 1.006                     | -0.03            | 0.052                  | 0.059                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Left Cheek    | 0mm      | Full Power              | 41490                                             | 2680        | 23.29               | 23.80               | 1.125                  | 62.9         | 1.006                     | 0.07             | 0.059                  | 0.067                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Left Tilted   | 0mm      | Full Power              | 41490                                             | 2680        | 23.29               | 23.80               | 1.125                  | 62.9         | 1.006                     | 0.02             | 0.032                  | 0.036                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Left Cheek    | 0mm      | Full Power              | 39750                                             | 2506        | 22.87               | 23.80               | 1.239                  | 62.9         | 1.006                     | 0.06             | 0.063                  | 0.079                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Left Cheek    | 0mm      | Full Power              | 40185                                             | 2549.5      | 22.89               | 23.80               | 1.233                  | 62.9         | 1.006                     | -0.05            | 0.067                  | 0.083                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Left Cheek    | 0mm      | Full Power              | 40620                                             | 2593        | 22.93               | 23.80               | 1.222                  | 62.9         | 1.006                     | 0.03             | 0.046                  | 0.057                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Left Cheek    | 0mm      | Full Power              | 41055                                             | 2636.5      | 22.95               | 23.80               | 1.216                  | 62.9         | 1.006                     | 0.01             | 0.069                  | 0.084                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Left Cheek    | 0mm      | Full Power              | 41055                                             | 2636.5      | 25.35               | 26.30               | 1.245                  | 42.9         | 1.009                     | 0.04             | 0.081                  | 0.102                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Left Cheek    | 0mm      | Full Power              | 41055(PCC) + 40857(SCC) 2636.5(PCC) + 2616.7(SCC) |             | 22.56               | 23.80               | 1.330                  | 62.9         | 1.006                     | 0.05             | 0.062                  | 0.083                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Cheek   | 0mm      | Full Power              | 41490                                             | 2680        | 22.30               | 22.80               | 1.122                  | 62.9         | 1.006                     | -0.06            | 0.034                  | 0.038                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Tilted  | 0mm      | Full Power              | 41490                                             | 2680        | 22.30               | 22.80               | 1.122                  | 62.9         | 1.006                     | 0.04             | 0.026                  | 0.029                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Left Cheek    | 0mm      | Full Power              | 41490                                             | 2680        | 22.30               | 22.80               | 1.122                  | 62.9         | 1.006                     | 0.05             | 0.041                  | 0.046                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Left Tilted   | 0mm      | Full Power              | 41490                                             | 2680        | 22.30               | 22.80               | 1.122                  | 62.9         | 1.006                     | 0.06             | 0.029                  | 0.033                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 55830                                             | 3609        | 16.94               | 17.00               | 1.014                  | 62.9         | 1.006                     | -0.02            | 0.886                  | 0.904                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Tilted  | 0mm      | 1 or 2 with 2.4GHz/5GHz | 55830                                             | 3609        | 16.94               | 17.00               | 1.014                  | 62.9         | 1.006                     | -0.05            | 0.657                  | 0.670                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Cheek    | 0mm      | 1 or 2 with 2.4GHz/5GHz | 55830                                             | 3609        | 16.94               | 17.00               | 1.014                  | 62.9         | 1.006                     | 0.02             | 0.254                  | 0.259                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Tilted   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 55830                                             | 3609        | 16.94               | 17.00               | 1.014                  | 62.9         | 1.006                     | 0.09             | 0.220                  | 0.224                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 55340                                             | 3560        | 16.74               | 17.00               | 1.062                  | 62.9         | 1.006                     | 0.02             | 0.765                  | 0.817                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 56150                                             | 3641        | 16.69               | 17.00               | 1.074                  | 62.9         | 1.006                     | 0.06             | 0.793                  | 0.857                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 56640                                             | 3690        | 16.65               | 17.00               | 1.084                  | 62.9         | 1.006                     | 0.01             | 0.842                  | 0.918                  |
| 21       | LTE Band 48_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 55830                                             | 3609        | 16.91               | 17.00               | 1.021                  | 62.9         | 1.006                     | -0.07            | 0.950                  | 0.976                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Tilted  | 0mm      | 1 or 2 with 2.4GHz/5GHz | 55830                                             | 3609        | 16.91               | 17.00               | 1.021                  | 62.9         | 1.006                     | 0.05             | 0.745                  | 0.765                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Left Cheek    | 0mm      | 1 or 2 with 2.4GHz/5GHz | 55830                                             | 3609        | 16.91               | 17.00               | 1.021                  | 62.9         | 1.006                     | -0.06            | 0.262                  | 0.269                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Left Tilted   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 55830                                             | 3609        | 16.91               | 17.00               | 1.021                  | 62.9         | 1.006                     | 0.02             | 0.233                  | 0.239                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 55340                                             | 3560        | 16.58               | 17.00               | 1.102                  | 62.9         | 1.006                     | 0.07             | 0.798                  | 0.884                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 56150                                             | 3641        | 16.80               | 17.00               | 1.047                  | 62.9         | 1.006                     | 0.08             | 0.878                  | 0.925                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 56640                                             | 3690        | 16.76               | 17.00               | 1.057                  | 62.9         | 1.006                     | 0.03             | 0.855                  | 0.909                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 100RB   | 0Offset   | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 55830                                             | 3609        | 16.90               | 17.00               | 1.023                  | 62.9         | 1.006                     | -0.05            | 0.835                  | 0.860                  |

**<WLAN SAR>**

| Plot No. | Band       | Mode          | Test Position | Gap (mm) | Antenna | Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|------------|---------------|---------------|----------|---------|-------------|-----|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
|          | WLAN2.4GHz | 802.11b 1Mbps | Right Cheek   | 0mm      | Ant 1+2 | 1           | 1   | 2412        | 19.07               | 19.50               | 1.105                  | 99.24        | 1.008                     | 0.05             | 0.188                  | 0.209                  |
|          | WLAN2.4GHz | 802.11b 1Mbps | Right Tilted  | 0mm      | Ant 1+2 | 1           | 1   | 2412        | 19.07               | 19.50               | 1.105                  | 99.24        | 1.008                     | -0.02            | 0.151                  | 0.168                  |
|          | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek    | 0mm      | Ant 1+2 | 1           | 1   | 2412        | 19.07               | 19.50               | 1.105                  | 99.24        | 1.008                     | 0.02             | 0.484                  | 0.539                  |
|          | WLAN2.4GHz | 802.11b 1Mbps | Left Tilted   | 0mm      | Ant 1+2 | 1           | 1   | 2412        | 19.07               | 19.50               | 1.105                  | 99.24        | 1.008                     | 0.04             | 0.431                  | 0.480                  |
|          | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek    | 0mm      | Ant 1+2 | 1           | 6   | 2437        | 18.81               | 19.00               | 1.044                  | 99.24        | 1.008                     | 0.01             | 0.621                  | 0.653                  |
| 22       | WLAN2.4GHz | 802.11b 1Mbps | Left Cheek    | 0mm      | Ant 1+2 | 1           | 11  | 2462        | 18.24               | 18.50               | 1.062                  | 99.24        | 1.008                     | -0.05            | 0.862                  | 0.923                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Right Cheek   | 0mm      | Ant 1+2 | Full Power  | 52  | 5260        | 19.73               | 20.73               | 1.259                  | 97.86        | 1.022                     | -0.08            | 0.071                  | 0.091                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Right Tilted  | 0mm      | Ant 1+2 | Full Power  | 52  | 5260        | 19.73               | 20.73               | 1.259                  | 97.86        | 1.022                     | 0.01             | 0.012                  | 0.015                  |
| 23       | WLAN5GHz   | 802.11a 6Mbps | Left Cheek    | 0mm      | Ant 1+2 | Full Power  | 52  | 5260        | 19.73               | 20.73               | 1.259                  | 97.86        | 1.022                     | 0.03             | 0.248                  | 0.319                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Left Tilted   | 0mm      | Ant 1+2 | Full Power  | 52  | 5260        | 19.73               | 20.73               | 1.259                  | 97.86        | 1.022                     | 0.11             | 0.237                  | 0.305                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Left Cheek    | 0mm      | Ant 1+2 | Full Power  | 56  | 5280        | 19.47               | 20.73               | 1.337                  | 97.86        | 1.022                     | 0.04             | 0.231                  | 0.316                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Left Cheek    | 0mm      | Ant 1+2 | Full Power  | 60  | 5300        | 19.53               | 20.73               | 1.319                  | 97.86        | 1.022                     | 0.01             | 0.221                  | 0.298                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Left Cheek    | 0mm      | Ant 1+2 | Full Power  | 64  | 5320        | 19.51               | 20.73               | 1.325                  | 97.86        | 1.022                     | 0.16             | 0.206                  | 0.279                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Right Cheek   | 0mm      | Ant 1+2 | Full Power  | 100 | 5500        | 20.25               | 21.25               | 1.259                  | 97.86        | 1.022                     | 0.05             | 0.074                  | 0.095                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Right Tilted  | 0mm      | Ant 1+2 | Full Power  | 100 | 5500        | 20.25               | 21.25               | 1.259                  | 97.86        | 1.022                     | 0.14             | 0.016                  | 0.021                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Left Cheek    | 0mm      | Ant 1+2 | Full Power  | 100 | 5500        | 20.25               | 21.25               | 1.259                  | 97.86        | 1.022                     | 0.01             | 0.215                  | 0.277                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Left Tilted   | 0mm      | Ant 1+2 | Full Power  | 100 | 5500        | 20.25               | 21.25               | 1.259                  | 97.86        | 1.022                     | -0.07            | 0.203                  | 0.261                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Left Cheek    | 0mm      | Ant 1+2 | Full Power  | 116 | 5580        | 20.18               | 21.25               | 1.279                  | 97.86        | 1.022                     | 0.08             | 0.242                  | 0.316                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Left Cheek    | 0mm      | Ant 1+2 | Full Power  | 132 | 5660        | 20.16               | 21.25               | 1.285                  | 97.86        | 1.022                     | -0.05            | 0.293                  | 0.385                  |
| 24       | WLAN5GHz   | 802.11a 6Mbps | Left Cheek    | 0mm      | Ant 1+2 | Full Power  | 140 | 5700        | 20.13               | 21.25               | 1.294                  | 97.86        | 1.022                     | 0.13             | 0.362                  | 0.479                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Left Cheek    | 0mm      | Ant 1+2 | Full Power  | 144 | 5720        | 20.18               | 21.25               | 1.279                  | 97.86        | 1.022                     | 0.07             | 0.300                  | 0.392                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Right Cheek   | 0mm      | Ant 1+2 | Full Power  | 165 | 5825        | 20.39               | 21.39               | 1.260                  | 97.86        | 1.022                     | 0.08             | 0.085                  | 0.109                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Right Tilted  | 0mm      | Ant 1+2 | Full Power  | 165 | 5825        | 20.39               | 21.39               | 1.260                  | 97.86        | 1.022                     | -0.15            | 0.018                  | 0.023                  |
| 25       | WLAN5GHz   | 802.11a 6Mbps | Left Cheek    | 0mm      | Ant 1+2 | Full Power  | 165 | 5825        | 20.39               | 21.39               | 1.260                  | 97.86        | 1.022                     | 0.03             | 0.412                  | 0.531                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Left Tilted   | 0mm      | Ant 1+2 | Full Power  | 165 | 5825        | 20.39               | 21.39               | 1.260                  | 97.86        | 1.022                     | 0.06             | 0.341                  | 0.439                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Left Cheek    | 0mm      | Ant 1+2 | Full Power  | 149 | 5745        | 20.31               | 21.39               | 1.282                  | 97.86        | 1.022                     | 0.04             | 0.392                  | 0.514                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Left Cheek    | 0mm      | Ant 1+2 | Full Power  | 157 | 5785        | 20.27               | 21.39               | 1.293                  | 97.86        | 1.022                     | 0.07             | 0.397                  | 0.525                  |

**<Bluetooth SAR>**

| Plot No. | Band      | Mode      | Test Position | Gap (mm) | Antenna | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------|-----------|---------------|----------|---------|-----|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
|          | Bluetooth | DH5 1Mbps | Right Cheek   | 0mm      | Ant 1   | 39  | 2441        | 14.30               | 15.40               | 1.288                  | 76.8         | 1.085                     | 0.06             | 0.100                  | 0.140                  |
|          | Bluetooth | DH5 1Mbps | Right Tilted  | 0mm      | Ant 1   | 39  | 2441        | 14.30               | 15.40               | 1.288                  | 76.8         | 1.085                     | -0.15            | 0.078                  | 0.109                  |
| 26       | Bluetooth | DH5 1Mbps | Left Cheek    | 0mm      | Ant 1   | 39  | 2441        | 14.30               | 15.40               | 1.288                  | 76.8         | 1.085                     | 0.06             | 0.246                  | 0.344                  |
|          | Bluetooth | DH5 1Mbps | Left Tilted   | 0mm      | Ant 1   | 39  | 2441        | 14.30               | 15.40               | 1.288                  | 76.8         | 1.085                     | 0.07             | 0.206                  | 0.288                  |
|          | Bluetooth | DH5 1Mbps | Left Cheek    | 0mm      | Ant 1   | 0   | 2402        | 12.80               | 13.00               | 1.047                  | 76.8         | 1.085                     | -0.03            | 0.239                  | 0.272                  |
|          | Bluetooth | DH5 1Mbps | Left Cheek    | 0mm      | Ant 1   | 78  | 2480        | 12.20               | 13.00               | 1.202                  | 76.8         | 1.085                     | -0.09            | 0.240                  | 0.313                  |

### 13.2 Hotspot SAR

#### <GSM SAR>

| Plot No. | Band        | Mode             | Test Position | Gap (mm) | Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-------------|------------------|---------------|----------|-------------|-----|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
|          | GSM850_UAT  | GPRS(4 Tx slots) | Front         | 10mm     | Full Power  | 128 | 824.2       | 27.76               | 28.55               | 1.199                  | 0.02             | 0.432                  | 0.518                  |
|          | GSM850_UAT  | GPRS(4 Tx slots) | Back          | 10mm     | Full Power  | 128 | 824.2       | 27.76               | 28.55               | 1.199                  | 0.01             | 0.691                  | 0.829                  |
|          | GSM850_UAT  | GPRS(4 Tx slots) | Left Side     | 10mm     | Full Power  | 128 | 824.2       | 27.76               | 28.55               | 1.199                  | -0.01            | 0.751                  | 0.901                  |
|          | GSM850_UAT  | GPRS(4 Tx slots) | Right Side    | 10mm     | Full Power  | 128 | 824.2       | 27.76               | 28.55               | 1.199                  | 0.03             | 0.041                  | 0.049                  |
|          | GSM850_UAT  | GPRS(4 Tx slots) | Top Side      | 10mm     | Full Power  | 128 | 824.2       | 27.76               | 28.55               | 1.199                  | 0.05             | 0.023                  | 0.028                  |
|          | GSM850_UAT  | GPRS(4 Tx slots) | Back          | 10mm     | Full Power  | 189 | 836.4       | 27.73               | 28.55               | 1.208                  | 0.01             | 0.723                  | 0.873                  |
|          | GSM850_UAT  | GPRS(4 Tx slots) | Back          | 10mm     | Full Power  | 251 | 848.8       | 27.66               | 28.55               | 1.227                  | 0.08             | 0.787                  | 0.966                  |
|          | GSM850_UAT  | GPRS(4 Tx slots) | Left Side     | 10mm     | Full Power  | 189 | 836.4       | 27.73               | 28.55               | 1.208                  | 0.05             | 0.889                  | 1.074                  |
| 27       | GSM850_UAT  | GPRS(4 Tx slots) | Left Side     | 10mm     | Full Power  | 251 | 848.8       | 27.66               | 28.55               | 1.227                  | -0.04            | 0.911                  | 1.118                  |
|          | GSM850_UAT  | GPRS(4 Tx slots) | Front         | 10mm     | 3 with 5GHz | 128 | 824.2       | 23.49               | 24.05               | 1.138                  | 0.01             | 0.186                  | 0.212                  |
|          | GSM850_UAT  | GPRS(4 Tx slots) | Back          | 10mm     | 3 with 5GHz | 128 | 824.2       | 23.49               | 24.05               | 1.138                  | 0.03             | 0.410                  | 0.466                  |
|          | GSM850_UAT  | GPRS(4 Tx slots) | Left Side     | 10mm     | 3 with 5GHz | 128 | 824.2       | 23.49               | 24.05               | 1.138                  | 0.09             | 0.333                  | 0.379                  |
|          | GSM850_UAT  | GPRS(4 Tx slots) | Right Side    | 10mm     | 3 with 5GHz | 128 | 824.2       | 23.49               | 24.05               | 1.138                  | 0.01             | 0.023                  | 0.026                  |
|          | GSM850_UAT  | GPRS(4 Tx slots) | Top Side      | 10mm     | 3 with 5GHz | 128 | 824.2       | 23.49               | 24.05               | 1.138                  | 0.05             | 0.015                  | 0.017                  |
|          | GSM850_UAT  | GPRS(4 Tx slots) | Back          | 10mm     | 3 with 5GHz | 189 | 836.4       | 23.47               | 24.05               | 1.143                  | 0.04             | 0.292                  | 0.334                  |
|          | GSM850_UAT  | GPRS(4 Tx slots) | Back          | 10mm     | 3 with 5GHz | 251 | 848.8       | 23.44               | 24.05               | 1.151                  | 0.09             | 0.311                  | 0.358                  |
|          | GSM850_LAT  | GPRS(4 Tx slots) | Front         | 10mm     | Full Power  | 189 | 836.4       | 27.02               | 27.85               | 1.211                  | 0.01             | 0.130                  | 0.157                  |
|          | GSM850_LAT  | GPRS(4 Tx slots) | Back          | 10mm     | Full Power  | 189 | 836.4       | 27.02               | 27.85               | 1.211                  | -0.03            | 0.142                  | 0.172                  |
|          | GSM850_LAT  | GPRS(4 Tx slots) | Left Side     | 10mm     | Full Power  | 189 | 836.4       | 27.02               | 27.85               | 1.211                  | 0.07             | 0.096                  | 0.116                  |
|          | GSM850_LAT  | GPRS(4 Tx slots) | Right Side    | 10mm     | Full Power  | 189 | 836.4       | 27.02               | 27.85               | 1.211                  | 0.05             | 0.093                  | 0.113                  |
|          | GSM850_LAT  | GPRS(4 Tx slots) | Bottom Side   | 10mm     | Full Power  | 189 | 836.4       | 27.02               | 27.85               | 1.211                  | -0.04            | 0.122                  | 0.148                  |
|          | GSM850_LAT  | GPRS(4 Tx slots) | Back          | 10mm     | Full Power  | 128 | 824.2       | 27.00               | 27.85               | 1.216                  | 0.03             | 0.138                  | 0.168                  |
|          | GSM850_LAT  | GPRS(4 Tx slots) | Back          | 10mm     | Full Power  | 251 | 848.8       | 26.92               | 27.85               | 1.239                  | 0.08             | 0.136                  | 0.168                  |
|          | GSM1900_UAT | GPRS(3 Tx slots) | Front         | 10mm     | Full Power  | 512 | 1850.2      | 24.56               | 25.70               | 1.300                  | 0.05             | 0.338                  | 0.439                  |
|          | GSM1900_UAT | GPRS(3 Tx slots) | Back          | 10mm     | Full Power  | 512 | 1850.2      | 24.56               | 25.70               | 1.300                  | -0.05            | 0.411                  | 0.534                  |
|          | GSM1900_UAT | GPRS(3 Tx slots) | Left Side     | 10mm     | Full Power  | 512 | 1850.2      | 24.56               | 25.70               | 1.300                  | 0.02             | 0.178                  | 0.231                  |
|          | GSM1900_UAT | GPRS(3 Tx slots) | Right Side    | 10mm     | Full Power  | 512 | 1850.2      | 24.56               | 25.70               | 1.300                  | -0.08            | 0.009                  | 0.012                  |
|          | GSM1900_UAT | GPRS(3 Tx slots) | Top Side      | 10mm     | Full Power  | 512 | 1850.2      | 24.56               | 25.70               | 1.300                  | -0.01            | 0.354                  | 0.460                  |
|          | GSM1900_UAT | GPRS(3 Tx slots) | Back          | 10mm     | Full Power  | 661 | 1880        | 24.55               | 25.70               | 1.303                  | -0.05            | 0.494                  | 0.644                  |
|          | GSM1900_UAT | GPRS(3 Tx slots) | Back          | 10mm     | Full Power  | 810 | 1909.8      | 24.47               | 25.70               | 1.327                  | -0.02            | 0.388                  | 0.515                  |
|          | GSM1900_UAT | GPRS(2 Tx slots) | Front         | 10mm     | 3 with 5GHz | 661 | 1880        | 26.12               | 26.70               | 1.143                  | 0.05             | 0.274                  | 0.313                  |
|          | GSM1900_UAT | GPRS(2 Tx slots) | Back          | 10mm     | 3 with 5GHz | 661 | 1880        | 26.12               | 26.70               | 1.143                  | 0.06             | 0.436                  | 0.498                  |
|          | GSM1900_UAT | GPRS(2 Tx slots) | Left Side     | 10mm     | 3 with 5GHz | 661 | 1880        | 26.12               | 26.70               | 1.143                  | -0.05            | 0.213                  | 0.243                  |
|          | GSM1900_UAT | GPRS(2 Tx slots) | Right Side    | 10mm     | 3 with 5GHz | 661 | 1880        | 26.12               | 26.70               | 1.143                  | 0.04             | 0.004                  | 0.005                  |
|          | GSM1900_UAT | GPRS(2 Tx slots) | Top Side      | 10mm     | 3 with 5GHz | 661 | 1880        | 26.12               | 26.70               | 1.143                  | 0.01             | 0.304                  | 0.347                  |
|          | GSM1900_UAT | GPRS(2 Tx slots) | Back          | 10mm     | 3 with 5GHz | 512 | 1850.2      | 25.74               | 26.70               | 1.247                  | -0.04            | 0.428                  | 0.534                  |
|          | GSM1900_UAT | GPRS(2 Tx slots) | Back          | 10mm     | 3 with 5GHz | 810 | 1909.8      | 25.61               | 26.70               | 1.285                  | -0.09            | 0.358                  | 0.460                  |
|          | GSM1900_LAT | GPRS(3 Tx slots) | Front         | 10mm     | Full Power  | 512 | 1850.2      | 25.88               | 26.80               | 1.236                  | 0.02             | 0.429                  | 0.530                  |
|          | GSM1900_LAT | GPRS(3 Tx slots) | Back          | 10mm     | Full Power  | 512 | 1850.2      | 25.88               | 26.80               | 1.236                  | -0.09            | 0.469                  | 0.580                  |
|          | GSM1900_LAT | GPRS(3 Tx slots) | Left Side     | 10mm     | Full Power  | 512 | 1850.2      | 25.88               | 26.80               | 1.236                  | -0.05            | 0.148                  | 0.183                  |
|          | GSM1900_LAT | GPRS(3 Tx slots) | Right Side    | 10mm     | Full Power  | 512 | 1850.2      | 25.88               | 26.80               | 1.236                  | 0.02             | 0.082                  | 0.101                  |
|          | GSM1900_LAT | GPRS(3 Tx slots) | Bottom Side   | 10mm     | Full Power  | 512 | 1850.2      | 25.88               | 26.80               | 1.236                  | 0.09             | 0.819                  | 1.012                  |
| 28       | GSM1900_LAT | GPRS(3 Tx slots) | Bottom Side   | 10mm     | Full Power  | 661 | 1880        | 25.77               | 26.80               | 1.268                  | -0.01            | 0.858                  | 1.088                  |
|          | GSM1900_LAT | GPRS(3 Tx slots) | Bottom Side   | 10mm     | Full Power  | 810 | 1909.8      | 25.69               | 26.80               | 1.291                  | 0.12             | 0.783                  | 1.011                  |



### <WCDMA SAR>

| Plot No. | Band         | Mode         | Test Position | Gap (mm) | State       | Ch.  | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|--------------|--------------|---------------|----------|-------------|------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
|          | WCDMA V_UAT  | RMC 12.2Kbps | Front         | 10mm     | Full Power  | 4182 | 836.4       | 24.04               | 24.80               | 1.191                  | 0.08             | 0.412                  | 0.491                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Back          | 10mm     | Full Power  | 4182 | 836.4       | 24.04               | 24.80               | 1.191                  | 0.06             | 0.829                  | 0.988                  |
| 29       | WCDMA V_UAT  | RMC 12.2Kbps | Left Side     | 10mm     | Full Power  | 4182 | 836.4       | 24.04               | 24.80               | 1.191                  | -0.17            | 0.982                  | 1.170                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Right Side    | 10mm     | Full Power  | 4182 | 836.4       | 24.04               | 24.80               | 1.191                  | 0.04             | 0.042                  | 0.050                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Top Side      | 10mm     | Full Power  | 4182 | 836.4       | 24.04               | 24.80               | 1.191                  | 0.04             | 0.023                  | 0.027                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Back          | 10mm     | Full Power  | 4132 | 826.4       | 23.99               | 24.80               | 1.205                  | 0.06             | 0.874                  | 1.053                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Back          | 10mm     | Full Power  | 4233 | 846.6       | 24.01               | 24.80               | 1.199                  | 0.01             | 0.879                  | 1.054                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Left Side     | 10mm     | Full Power  | 4132 | 826.4       | 23.99               | 24.80               | 1.205                  | -0.03            | 0.911                  | 1.098                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Left Side     | 10mm     | Full Power  | 4233 | 846.6       | 24.01               | 24.80               | 1.199                  | -0.09            | 0.910                  | 1.092                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Front         | 10mm     | 2 with 5GHz | 4182 | 836.4       | 19.98               | 20.80               | 1.208                  | 0.09             | 0.194                  | 0.234                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Back          | 10mm     | 2 with 5GHz | 4182 | 836.4       | 19.98               | 20.80               | 1.208                  | 0.03             | 0.321                  | 0.388                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Left Side     | 10mm     | 2 with 5GHz | 4182 | 836.4       | 19.98               | 20.80               | 1.208                  | -0.01            | 0.326                  | 0.394                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Right Side    | 10mm     | 2 with 5GHz | 4182 | 836.4       | 19.98               | 20.80               | 1.208                  | 0.05             | 0.020                  | 0.024                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Top Side      | 10mm     | 2 with 5GHz | 4182 | 836.4       | 19.98               | 20.80               | 1.208                  | 0.08             | 0.012                  | 0.014                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Left Side     | 10mm     | 2 with 5GHz | 4132 | 826.4       | 19.95               | 20.80               | 1.216                  | -0.04            | 0.310                  | 0.377                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Left Side     | 10mm     | 2 with 5GHz | 4233 | 846.6       | 19.97               | 20.80               | 1.211                  | 0.06             | 0.319                  | 0.386                  |
|          | WCDMA V_LAT  | RMC 12.2Kbps | Front         | 10mm     | Full Power  | 4182 | 836.4       | 23.60               | 24.20               | 1.148                  | 0.07             | 0.138                  | 0.158                  |
|          | WCDMA V_LAT  | RMC 12.2Kbps | Back          | 10mm     | Full Power  | 4182 | 836.4       | 23.60               | 24.20               | 1.148                  | -0.04            | 0.152                  | 0.175                  |
|          | WCDMA V_LAT  | RMC 12.2Kbps | Left Side     | 10mm     | Full Power  | 4182 | 836.4       | 23.60               | 24.20               | 1.148                  | 0.05             | 0.107                  | 0.123                  |
|          | WCDMA V_LAT  | RMC 12.2Kbps | Right Side    | 10mm     | Full Power  | 4182 | 836.4       | 23.60               | 24.20               | 1.148                  | 0.06             | 0.105                  | 0.121                  |
|          | WCDMA V_LAT  | RMC 12.2Kbps | Bottom Side   | 10mm     | Full Power  | 4182 | 836.4       | 23.60               | 24.20               | 1.148                  | -0.08            | 0.161                  | 0.185                  |
|          | WCDMA V_LAT  | RMC 12.2Kbps | Bottom Side   | 10mm     | Full Power  | 4132 | 826.4       | 23.52               | 24.20               | 1.169                  | 0.01             | 0.160                  | 0.187                  |
|          | WCDMA V_LAT  | RMC 12.2Kbps | Bottom Side   | 10mm     | Full Power  | 4233 | 846.6       | 23.59               | 24.20               | 1.151                  | 0.04             | 0.156                  | 0.180                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Front         | 10mm     | Full Power  | 1413 | 1732.6      | 22.73               | 23.60               | 1.222                  | 0.07             | 0.566                  | 0.692                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Back          | 10mm     | Full Power  | 1413 | 1732.6      | 22.73               | 23.60               | 1.222                  | -0.03            | 0.752                  | 0.919                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Left Side     | 10mm     | Full Power  | 1413 | 1732.6      | 22.73               | 23.60               | 1.222                  | 0.05             | 0.396                  | 0.484                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Right Side    | 10mm     | Full Power  | 1413 | 1732.6      | 22.73               | 23.60               | 1.222                  | -0.02            | 0.058                  | 0.071                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Top Side      | 10mm     | Full Power  | 1413 | 1732.6      | 22.73               | 23.60               | 1.222                  | 0.04             | 0.797                  | 0.974                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Back          | 10mm     | Full Power  | 1312 | 1712.4      | 22.52               | 23.60               | 1.282                  | -0.05            | 0.689                  | 0.884                  |
| 30       | WCDMA IV_UAT | RMC 12.2Kbps | Back          | 10mm     | Full Power  | 1513 | 1752.6      | 22.67               | 23.60               | 1.239                  | -0.13            | 0.957                  | 1.186                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Top Side      | 10mm     | Full Power  | 1312 | 1712.4      | 22.52               | 23.60               | 1.282                  | -0.03            | 0.719                  | 0.922                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Top Side      | 10mm     | Full Power  | 1513 | 1752.6      | 22.67               | 23.60               | 1.239                  | 0.02             | 0.890                  | 1.103                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Front         | 10mm     | 3 with 5GHz | 1413 | 1732.6      | 19.28               | 20.10               | 1.208                  | -0.05            | 0.249                  | 0.301                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Back          | 10mm     | 3 with 5GHz | 1413 | 1732.6      | 19.28               | 20.10               | 1.208                  | 0.03             | 0.310                  | 0.374                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Left Side     | 10mm     | 3 with 5GHz | 1413 | 1732.6      | 19.28               | 20.10               | 1.208                  | 0.08             | 0.184                  | 0.222                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Right Side    | 10mm     | 3 with 5GHz | 1413 | 1732.6      | 19.28               | 20.10               | 1.208                  | 0.01             | 0.020                  | 0.024                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Top Side      | 10mm     | 3 with 5GHz | 1413 | 1732.6      | 19.28               | 20.10               | 1.208                  | 0.01             | 0.358                  | 0.432                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Top Side      | 10mm     | 3 with 5GHz | 1312 | 1712.4      | 19.05               | 20.10               | 1.274                  | 0.09             | 0.338                  | 0.430                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Top Side      | 10mm     | 3 with 5GHz | 1513 | 1752.6      | 19.20               | 20.10               | 1.230                  | 0.01             | 0.386                  | 0.475                  |
|          | WCDMA IV_LAT | RMC 12.2Kbps | Front         | 10mm     | 1           | 1413 | 1732.6      | 23.62               | 23.80               | 1.042                  | 0.05             | 0.692                  | 0.721                  |
|          | WCDMA IV_LAT | RMC 12.2Kbps | Back          | 10mm     | 1           | 1413 | 1732.6      | 23.62               | 23.80               | 1.042                  | 0.02             | 0.798                  | 0.832                  |
|          | WCDMA IV_LAT | RMC 12.2Kbps | Left Side     | 10mm     | 1           | 1413 | 1732.6      | 23.62               | 23.80               | 1.042                  | -0.06            | 0.381                  | 0.397                  |
|          | WCDMA IV_LAT | RMC 12.2Kbps | Right Side    | 10mm     | 1           | 1413 | 1732.6      | 23.62               | 23.80               | 1.042                  | 0.02             | 0.238                  | 0.248                  |
|          | WCDMA IV_LAT | RMC 12.2Kbps | Bottom Side   | 10mm     | 1           | 1413 | 1732.6      | 23.62               | 23.80               | 1.042                  | -0.11            | 1.090                  | 1.136                  |
|          | WCDMA IV_LAT | RMC 12.2Kbps | Back          | 10mm     | 1           | 1312 | 1712.4      | 23.41               | 23.80               | 1.094                  | 0.06             | 0.712                  | 0.779                  |
|          | WCDMA IV_LAT | RMC 12.2Kbps | Back          | 10mm     | 1           | 1513 | 1752.6      | 23.58               | 23.80               | 1.052                  | 0.04             | 0.793                  | 0.834                  |
|          | WCDMA IV_LAT | RMC 12.2Kbps | Bottom Side   | 10mm     | 1           | 1312 | 1712.4      | 23.41               | 23.80               | 1.094                  | -0.03            | 1.010                  | 1.105                  |
|          | WCDMA IV_LAT | RMC 12.2Kbps | Bottom Side   | 10mm     | 1           | 1513 | 1752.6      | 23.58               | 23.80               | 1.052                  | -0.13            | 1.080                  | 1.136                  |

| Plot No. | Band         | Mode         | Test Position | Gap (mm) | State       | Ch.  | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|--------------|--------------|---------------|----------|-------------|------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
|          | WCDMA II_UAT | RMC 12.2Kbps | Front         | 10mm     | Full Power  | 9400 | 1880        | 22.95               | 23.30               | 1.084                  | 0.06             | 0.689                  | 0.747                  |
|          | WCDMA II_UAT | RMC 12.2Kbps | Back          | 10mm     | Full Power  | 9400 | 1880        | 22.95               | 23.30               | 1.084                  | -0.11            | 1.020                  | 1.106                  |
|          | WCDMA II_UAT | RMC 12.2Kbps | Left Side     | 10mm     | Full Power  | 9400 | 1880        | 22.95               | 23.30               | 1.084                  | -0.05            | 0.466                  | 0.505                  |
|          | WCDMA II_UAT | RMC 12.2Kbps | Right Side    | 10mm     | Full Power  | 9400 | 1880        | 22.95               | 23.30               | 1.084                  | 0.03             | 0.060                  | 0.065                  |
|          | WCDMA II_UAT | RMC 12.2Kbps | Top Side      | 10mm     | Full Power  | 9400 | 1880        | 22.95               | 23.30               | 1.084                  | 0.05             | 0.735                  | 0.797                  |
| 31       | WCDMA II_UAT | RMC 12.2Kbps | Back          | 10mm     | Full Power  | 9262 | 1852.4      | 22.63               | 23.30               | 1.167                  | -0.09            | 0.966                  | 1.127                  |
|          | WCDMA II_UAT | RMC 12.2Kbps | Back          | 10mm     | Full Power  | 9538 | 1907.6      | 22.83               | 23.30               | 1.114                  | -0.02            | 0.785                  | 0.875                  |
|          | WCDMA II_UAT | RMC 12.2Kbps | Front         | 10mm     | 3 with 5GHz | 9400 | 1880        | 19.44               | 19.60               | 1.038                  | 0.05             | 0.325                  | 0.337                  |
|          | WCDMA II_UAT | RMC 12.2Kbps | Back          | 10mm     | 3 with 5GHz | 9400 | 1880        | 19.44               | 19.60               | 1.038                  | 0.04             | 0.423                  | 0.439                  |
|          | WCDMA II_UAT | RMC 12.2Kbps | Left Side     | 10mm     | 3 with 5GHz | 9400 | 1880        | 19.44               | 19.60               | 1.038                  | 0.02             | 0.225                  | 0.233                  |
|          | WCDMA II_UAT | RMC 12.2Kbps | Right Side    | 10mm     | 3 with 5GHz | 9400 | 1880        | 19.44               | 19.60               | 1.038                  | 0.01             | 0.040                  | 0.042                  |
|          | WCDMA II_UAT | RMC 12.2Kbps | Top Side      | 10mm     | 3 with 5GHz | 9400 | 1880        | 19.44               | 19.60               | 1.038                  | -0.06            | 0.381                  | 0.395                  |
|          | WCDMA II_UAT | RMC 12.2Kbps | Back          | 10mm     | 3 with 5GHz | 9262 | 1852.4      | 19.31               | 19.60               | 1.069                  | -0.09            | 0.435                  | 0.465                  |
|          | WCDMA II_UAT | RMC 12.2Kbps | Back          | 10mm     | 3 with 5GHz | 9538 | 1907.6      | 19.30               | 19.60               | 1.072                  | 0.02             | 0.394                  | 0.422                  |
|          | WCDMA II_LAT | RMC 12.2Kbps | Front         | 10mm     | 1           | 9400 | 1880        | 22.22               | 22.30               | 1.019                  | 0.05             | 0.706                  | 0.719                  |
|          | WCDMA II_LAT | RMC 12.2Kbps | Back          | 10mm     | 1           | 9400 | 1880        | 22.22               | 22.30               | 1.019                  | 0.08             | 0.810                  | 0.825                  |
|          | WCDMA II_LAT | RMC 12.2Kbps | Left Side     | 10mm     | 1           | 9400 | 1880        | 22.22               | 22.30               | 1.019                  | -0.02            | 0.162                  | 0.165                  |
|          | WCDMA II_LAT | RMC 12.2Kbps | Right Side    | 10mm     | 1           | 9400 | 1880        | 22.22               | 22.30               | 1.019                  | 0.01             | 0.144                  | 0.147                  |
|          | WCDMA II_LAT | RMC 12.2Kbps | Bottom Side   | 10mm     | 1           | 9400 | 1880        | 22.22               | 22.30               | 1.019                  | -0.05            | 1.010                  | 1.029                  |
|          | WCDMA II_LAT | RMC 12.2Kbps | Back          | 10mm     | 1           | 9262 | 1852.4      | 22.11               | 22.30               | 1.045                  | -0.13            | 0.730                  | 0.763                  |
|          | WCDMA II_LAT | RMC 12.2Kbps | Back          | 10mm     | 1           | 9538 | 1907.6      | 22.16               | 22.30               | 1.033                  | 0.07             | 0.675                  | 0.697                  |
|          | WCDMA II_LAT | RMC 12.2Kbps | Bottom Side   | 10mm     | 1           | 9262 | 1852.4      | 22.11               | 22.30               | 1.045                  | 0.05             | 1.060                  | 1.107                  |
|          | WCDMA II_LAT | RMC 12.2Kbps | Bottom Side   | 10mm     | 1           | 9538 | 1907.6      | 22.16               | 22.30               | 1.033                  | 0.03             | 1.080                  | 1.115                  |



**<CDMA SAR>**

| Plot No. | Band             | Mode           | Test Position | Gap (mm) | State       | Ch.  | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|------------------|----------------|---------------|----------|-------------|------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
|          | CDMA2000 BC0_UAT | RTAP 153.6Kbps | Front         | 10mm     | Full Power  | 777  | 848.31      | 23.90               | 24.80               | 1.230                  | 0.06             | 0.460                  | 0.566                  |
|          | CDMA2000 BC0_UAT | RTAP 153.6Kbps | Back          | 10mm     | Full Power  | 777  | 848.31      | 23.90               | 24.80               | 1.230                  | -0.02            | 0.922                  | 1.134                  |
|          | CDMA2000 BC0_UAT | RTAP 153.6Kbps | Left Side     | 10mm     | Full Power  | 777  | 848.31      | 23.90               | 24.80               | 1.230                  | 0.03             | 0.784                  | 0.965                  |
|          | CDMA2000 BC0_UAT | RTAP 153.6Kbps | Right Side    | 10mm     | Full Power  | 777  | 848.31      | 23.90               | 24.80               | 1.230                  | 0.01             | 0.035                  | 0.043                  |
|          | CDMA2000 BC0_UAT | RTAP 153.6Kbps | Top Side      | 10mm     | Full Power  | 777  | 848.31      | 23.90               | 24.80               | 1.230                  | 0.02             | 0.022                  | 0.027                  |
|          | CDMA2000 BC0_UAT | RTAP 153.6Kbps | Back          | 10mm     | Full Power  | 1013 | 824.7       | 23.86               | 24.80               | 1.242                  | 0.05             | 0.913                  | 1.134                  |
| 32       | CDMA2000 BC0_UAT | RTAP 153.6Kbps | Back          | 10mm     | Full Power  | 384  | 836.52      | 23.88               | 24.80               | 1.236                  | -0.06            | 0.926                  | 1.144                  |
|          | CDMA2000 BC0_UAT | RTAP 153.6Kbps | Left Side     | 10mm     | Full Power  | 1013 | 824.7       | 23.86               | 24.80               | 1.242                  | 0.01             | 0.794                  | 0.986                  |
|          | CDMA2000 BC0_UAT | RTAP 153.6Kbps | Left Side     | 10mm     | Full Power  | 384  | 836.52      | 23.88               | 24.80               | 1.236                  | 0.04             | 0.730                  | 0.902                  |
|          | CDMA2000 BC0_UAT | RTAP 153.6Kbps | Front         | 10mm     | 3 with 5GHz | 777  | 848.31      | 20.40               | 20.80               | 1.096                  | 0.06             | 0.205                  | 0.225                  |
|          | CDMA2000 BC0_UAT | RTAP 153.6Kbps | Back          | 10mm     | 3 with 5GHz | 777  | 848.31      | 20.40               | 20.80               | 1.096                  | 0.04             | 0.321                  | 0.352                  |
|          | CDMA2000 BC0_UAT | RTAP 153.6Kbps | Left Side     | 10mm     | 3 with 5GHz | 777  | 848.31      | 20.40               | 20.80               | 1.096                  | -0.07            | 0.394                  | 0.432                  |
|          | CDMA2000 BC0_UAT | RTAP 153.6Kbps | Right Side    | 10mm     | 3 with 5GHz | 777  | 848.31      | 20.40               | 20.80               | 1.096                  | 0.02             | 0.026                  | 0.029                  |
|          | CDMA2000 BC0_UAT | RTAP 153.6Kbps | Top Side      | 10mm     | 3 with 5GHz | 777  | 848.31      | 20.40               | 20.80               | 1.096                  | 0.05             | 0.013                  | 0.014                  |
|          | CDMA2000 BC0_UAT | RTAP 153.6Kbps | Left Side     | 10mm     | 3 with 5GHz | 1013 | 824.7       | 20.35               | 20.80               | 1.109                  | 0.09             | 0.440                  | 0.488                  |
|          | CDMA2000 BC0_UAT | RTAP 153.6Kbps | Left Side     | 10mm     | 3 with 5GHz | 384  | 836.52      | 20.38               | 20.80               | 1.102                  | 0.06             | 0.386                  | 0.425                  |
|          | CDMA2000 BC0_LAT | RTAP 153.6Kbps | Front         | 10mm     | Full Power  | 777  | 848.31      | 23.51               | 24.10               | 1.146                  | 0.03             | 0.163                  | 0.187                  |
|          | CDMA2000 BC0_LAT | RTAP 153.6Kbps | Back          | 10mm     | Full Power  | 777  | 848.31      | 23.51               | 24.10               | 1.146                  | 0.07             | 0.196                  | 0.225                  |
|          | CDMA2000 BC0_LAT | RTAP 153.6Kbps | Left Side     | 10mm     | Full Power  | 777  | 848.31      | 23.51               | 24.10               | 1.146                  | 0.06             | 0.104                  | 0.119                  |
|          | CDMA2000 BC0_LAT | RTAP 153.6Kbps | Right Side    | 10mm     | Full Power  | 777  | 848.31      | 23.51               | 24.10               | 1.146                  | 0.05             | 0.117                  | 0.134                  |
|          | CDMA2000 BC0_LAT | RTAP 153.6Kbps | Bottom Side   | 10mm     | Full Power  | 777  | 848.31      | 23.51               | 24.10               | 1.146                  | -0.07            | 0.214                  | 0.245                  |
|          | CDMA2000 BC0_LAT | RTAP 153.6Kbps | Bottom Side   | 10mm     | Full Power  | 1013 | 824.7       | 23.39               | 24.10               | 1.178                  | 0.09             | 0.166                  | 0.195                  |
|          | CDMA2000 BC0_LAT | RTAP 153.6Kbps | Bottom Side   | 10mm     | Full Power  | 384  | 836.52      | 23.47               | 24.10               | 1.156                  | 0.03             | 0.172                  | 0.199                  |
|          | CDMA2000 BC1_UAT | RTAP 153.6Kbps | Front         | 10mm     | Full Power  | 600  | 1880        | 22.68               | 23.30               | 1.153                  | 0.03             | 0.655                  | 0.756                  |
|          | CDMA2000 BC1_UAT | RTAP 153.6Kbps | Back          | 10mm     | Full Power  | 600  | 1880        | 22.68               | 23.30               | 1.153                  | -0.05            | 0.763                  | 0.880                  |
|          | CDMA2000 BC1_UAT | RTAP 153.6Kbps | Left Side     | 10mm     | Full Power  | 600  | 1880        | 22.68               | 23.30               | 1.153                  | 0.05             | 0.466                  | 0.538                  |
|          | CDMA2000 BC1_UAT | RTAP 153.6Kbps | Right Side    | 10mm     | Full Power  | 600  | 1880        | 22.68               | 23.30               | 1.153                  | 0.02             | 0.077                  | 0.089                  |
|          | CDMA2000 BC1_UAT | RTAP 153.6Kbps | Top Side      | 10mm     | Full Power  | 600  | 1880        | 22.68               | 23.30               | 1.153                  | -0.04            | 0.705                  | 0.813                  |
| 33       | CDMA2000 BC1_UAT | RTAP 153.6Kbps | Back          | 10mm     | Full Power  | 25   | 1851.25     | 22.52               | 23.30               | 1.197                  | -0.07            | 0.851                  | 1.018                  |
|          | CDMA2000 BC1_UAT | RTAP 153.6Kbps | Back          | 10mm     | Full Power  | 1175 | 1908.75     | 22.62               | 23.30               | 1.169                  | 0.03             | 0.653                  | 0.764                  |
|          | CDMA2000 BC1_UAT | RTAP 153.6Kbps | Top Side      | 10mm     | Full Power  | 25   | 1851.25     | 22.52               | 23.30               | 1.197                  | 0.07             | 0.826                  | 0.989                  |
|          | CDMA2000 BC1_UAT | RTAP 153.6Kbps | Top Side      | 10mm     | Full Power  | 1175 | 1908.75     | 22.62               | 23.30               | 1.169                  | 0.01             | 0.612                  | 0.716                  |
|          | CDMA2000 BC1_UAT | RTAP 153.6Kbps | Front         | 10mm     | 3 with 5GHz | 600  | 1880        | 19.39               | 19.50               | 1.026                  | 0.03             | 0.287                  | 0.294                  |
|          | CDMA2000 BC1_UAT | RTAP 153.6Kbps | Back          | 10mm     | 3 with 5GHz | 600  | 1880        | 19.39               | 19.50               | 1.026                  | 0.08             | 0.315                  | 0.323                  |
|          | CDMA2000 BC1_UAT | RTAP 153.6Kbps | Left Side     | 10mm     | 3 with 5GHz | 600  | 1880        | 19.39               | 19.50               | 1.026                  | 0.01             | 0.229                  | 0.235                  |
|          | CDMA2000 BC1_UAT | RTAP 153.6Kbps | Right Side    | 10mm     | 3 with 5GHz | 600  | 1880        | 19.39               | 19.50               | 1.026                  | 0.01             | 0.002                  | 0.002                  |
|          | CDMA2000 BC1_UAT | RTAP 153.6Kbps | Top Side      | 10mm     | 3 with 5GHz | 600  | 1880        | 19.39               | 19.50               | 1.026                  | -0.05            | 0.312                  | 0.320                  |
|          | CDMA2000 BC1_UAT | RTAP 153.6Kbps | Back          | 10mm     | 3 with 5GHz | 25   | 1851.25     | 19.33               | 19.50               | 1.040                  | -0.06            | 0.310                  | 0.322                  |
|          | CDMA2000 BC1_UAT | RTAP 153.6Kbps | Back          | 10mm     | 3 with 5GHz | 1175 | 1908.75     | 19.34               | 19.50               | 1.038                  | 0.04             | 0.303                  | 0.314                  |
|          | CDMA2000 BC1_LAT | RTAP 153.6Kbps | Front         | 10mm     | 1           | 600  | 1880        | 21.44               | 22.00               | 1.138                  | -0.05            | 0.485                  | 0.552                  |
|          | CDMA2000 BC1_LAT | RTAP 153.6Kbps | Back          | 10mm     | 1           | 600  | 1880        | 21.44               | 22.00               | 1.138                  | -0.03            | 0.648                  | 0.737                  |
|          | CDMA2000 BC1_LAT | RTAP 153.6Kbps | Left Side     | 10mm     | 1           | 600  | 1880        | 21.44               | 22.00               | 1.138                  | 0.12             | 0.133                  | 0.151                  |
|          | CDMA2000 BC1_LAT | RTAP 153.6Kbps | Right Side    | 10mm     | 1           | 600  | 1880        | 21.44               | 22.00               | 1.138                  | 0.06             | 0.090                  | 0.102                  |
|          | CDMA2000 BC1_LAT | RTAP 153.6Kbps | Bottom Side   | 10mm     | 1           | 600  | 1880        | 21.44               | 22.00               | 1.138                  | 0.18             | 0.855                  | 0.973                  |
|          | CDMA2000 BC1_LAT | RTAP 153.6Kbps | Bottom Side   | 10mm     | 1           | 25   | 1851.25     | 21.32               | 22.00               | 1.169                  | 0.09             | 0.750                  | 0.877                  |
|          | CDMA2000 BC1_LAT | RTAP 153.6Kbps | Bottom Side   | 10mm     | 1           | 1175 | 1908.75     | 21.33               | 22.00               | 1.167                  | 0.08             | 0.756                  | 0.882                  |

**<FDD LTE SAR>**

| Plot No. | Band            | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Cap (mm) | Power State | Ch.    | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------------|----------|------------|---------|-----------|---------------|----------|-------------|--------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
|          | LTE Band 71_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 10mm     | Full Power  | 133322 | 683         | 23.69               | 24.30               | 1.151                  | 0.05             | 0.404                  | 0.465                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 10mm     | Full Power  | 133322 | 683         | 23.69               | 24.30               | 1.151                  | 0.02             | 0.727                  | 0.837                  |
| 34       | LTE Band 71_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Side     | 10mm     | Full Power  | 133322 | 683         | 23.69               | 24.30               | 1.151                  | -0.16            | 0.827                  | 0.952                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Side    | 10mm     | Full Power  | 133322 | 683         | 23.69               | 24.30               | 1.151                  | -0.05            | 0.067                  | 0.077                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Top Side      | 10mm     | Full Power  | 133322 | 683         | 23.69               | 24.30               | 1.151                  | 0.02             | 0.015                  | 0.018                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Front         | 10mm     | Full Power  | 133322 | 683         | 22.85               | 23.30               | 1.109                  | 0.03             | 0.366                  | 0.406                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Back          | 10mm     | Full Power  | 133322 | 683         | 22.85               | 23.30               | 1.109                  | 0.01             | 0.664                  | 0.736                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Left Side     | 10mm     | Full Power  | 133322 | 683         | 22.85               | 23.30               | 1.109                  | 0.02             | 0.735                  | 0.815                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Right Side    | 10mm     | Full Power  | 133322 | 683         | 22.85               | 23.30               | 1.109                  | 0.09             | 0.071                  | 0.079                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Top Side      | 10mm     | Full Power  | 133322 | 683         | 22.85               | 23.30               | 1.109                  | 0.06             | 0.015                  | 0.016                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 100RB   | 0Offset   | Back          | 10mm     | Full Power  | 133322 | 683         | 22.71               | 23.30               | 1.146                  | 0.08             | 0.645                  | 0.739                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 100RB   | 0Offset   | Left Side     | 10mm     | Full Power  | 133322 | 683         | 22.71               | 23.30               | 1.146                  | 0.01             | 0.710                  | 0.813                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 10mm     | 3 with 5GHz | 133322 | 683         | 20.40               | 20.50               | 1.023                  | 0.06             | 0.140                  | 0.143                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 10mm     | 3 with 5GHz | 133322 | 683         | 20.40               | 20.50               | 1.023                  | 0.04             | 0.249                  | 0.255                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Side     | 10mm     | 3 with 5GHz | 133322 | 683         | 20.40               | 20.50               | 1.023                  | 0.01             | 0.295                  | 0.302                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Side    | 10mm     | 3 with 5GHz | 133322 | 683         | 20.40               | 20.50               | 1.023                  | 0.06             | 0.034                  | 0.035                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Top Side      | 10mm     | 3 with 5GHz | 133322 | 683         | 20.40               | 20.50               | 1.023                  | 0.01             | 0.006                  | 0.006                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Front         | 10mm     | 3 with 5GHz | 133322 | 683         | 20.34               | 20.50               | 1.038                  | -0.05            | 0.164                  | 0.170                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Back          | 10mm     | 3 with 5GHz | 133322 | 683         | 20.34               | 20.50               | 1.038                  | 0.02             | 0.275                  | 0.285                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Left Side     | 10mm     | 3 with 5GHz | 133322 | 683         | 20.34               | 20.50               | 1.038                  | 0.01             | 0.323                  | 0.335                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Right Side    | 10mm     | 3 with 5GHz | 133322 | 683         | 20.34               | 20.50               | 1.038                  | 0.06             | 0.048                  | 0.050                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Top Side      | 10mm     | 3 with 5GHz | 133322 | 683         | 20.34               | 20.50               | 1.038                  | 0.07             | 0.007                  | 0.007                  |
|          | LTE Band 71_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 10mm     | Full Power  | 133322 | 683         | 23.43               | 23.80               | 1.089                  | -0.05            | 0.141                  | 0.154                  |
|          | LTE Band 71_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 10mm     | Full Power  | 133322 | 683         | 23.43               | 23.80               | 1.089                  | 0.03             | 0.237                  | 0.258                  |
|          | LTE Band 71_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Side     | 10mm     | Full Power  | 133322 | 683         | 23.43               | 23.80               | 1.089                  | -0.01            | 0.120                  | 0.131                  |
|          | LTE Band 71_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Side    | 10mm     | Full Power  | 133322 | 683         | 23.43               | 23.80               | 1.089                  | 0.01             | 0.117                  | 0.127                  |
|          | LTE Band 71_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Bottom Side   | 10mm     | Full Power  | 133322 | 683         | 23.43               | 23.80               | 1.089                  | 0.01             | 0.071                  | 0.077                  |
|          | LTE Band 71_LAT | 20M      | QPSK       | 50RB    | 50Offset  | Front         | 10mm     | Full Power  | 133322 | 683         | 22.46               | 22.80               | 1.081                  | 0.05             | 0.148                  | 0.160                  |
|          | LTE Band 71_LAT | 20M      | QPSK       | 50RB    | 50Offset  | Back          | 10mm     | Full Power  | 133322 | 683         | 22.46               | 22.80               | 1.081                  | 0.04             | 0.179                  | 0.194                  |
|          | LTE Band 71_LAT | 20M      | QPSK       | 50RB    | 50Offset  | Left Side     | 10mm     | Full Power  | 133322 | 683         | 22.46               | 22.80               | 1.081                  | 0.08             | 0.110                  | 0.119                  |
|          | LTE Band 71_LAT | 20M      | QPSK       | 50RB    | 50Offset  | Right Side    | 10mm     | Full Power  | 133322 | 683         | 22.46               | 22.80               | 1.081                  | 0.01             | 0.103                  | 0.111                  |
|          | LTE Band 71_LAT | 20M      | QPSK       | 50RB    | 50Offset  | Bottom Side   | 10mm     | Full Power  | 133322 | 683         | 22.46               | 22.80               | 1.081                  | 0.05             | 0.061                  | 0.066                  |



| Plot No. | Band            | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State | Ch.   | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------------|----------|------------|---------|-----------|---------------|----------|-------------|-------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
|          | LTE Band 12_UAT | 10M      | QPSK       | 1RB     | 49Offset  | Front         | 10mm     | Full Power  | 23095 | 707.5       | 23.42               | 24.30               | 1.225                  | -0.05            | 0.450                  | 0.551                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 1RB     | 49Offset  | Back          | 10mm     | Full Power  | 23095 | 707.5       | 23.42               | 24.30               | 1.225                  | 0.03             | 0.789                  | 0.966                  |
| 35       | LTE Band 12_UAT | 10M      | QPSK       | 1RB     | 49Offset  | Left Side     | 10mm     | Full Power  | 23095 | 707.5       | 23.42               | 24.30               | 1.225                  | -0.06            | 0.963                  | 1.179                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 1RB     | 49Offset  | Right Side    | 10mm     | Full Power  | 23095 | 707.5       | 23.42               | 24.30               | 1.225                  | 0.1              | 0.049                  | 0.060                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 1RB     | 49Offset  | Top Side      | 10mm     | Full Power  | 23095 | 707.5       | 23.42               | 24.30               | 1.225                  | 0.02             | 0.017                  | 0.021                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 25RB    | 25Offset  | Front         | 10mm     | Full Power  | 23095 | 707.5       | 22.47               | 23.30               | 1.211                  | 0.05             | 0.373                  | 0.452                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 25RB    | 25Offset  | Back          | 10mm     | Full Power  | 23095 | 707.5       | 22.47               | 23.30               | 1.211                  | -0.03            | 0.650                  | 0.787                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 25RB    | 25Offset  | Left Side     | 10mm     | Full Power  | 23095 | 707.5       | 22.47               | 23.30               | 1.211                  | 0.03             | 0.729                  | 0.883                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 25RB    | 25Offset  | Right Side    | 10mm     | Full Power  | 23095 | 707.5       | 22.47               | 23.30               | 1.211                  | -0.01            | 0.042                  | 0.050                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 25RB    | 25Offset  | Top Side      | 10mm     | Full Power  | 23095 | 707.5       | 22.47               | 23.30               | 1.211                  | 0.07             | 0.014                  | 0.016                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 50RB    | 0Offset   | Back          | 10mm     | Full Power  | 23095 | 707.5       | 22.46               | 23.30               | 1.213                  | 0.06             | 0.654                  | 0.794                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 50RB    | 0Offset   | Left Side     | 10mm     | Full Power  | 23095 | 707.5       | 22.46               | 23.30               | 1.213                  | 0.01             | 0.732                  | 0.888                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 1RB     | 49Offset  | Front         | 10mm     | 3 with 5GHz | 23095 | 707.5       | 19.63               | 20.00               | 1.089                  | -0.05            | 0.186                  | 0.203                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 1RB     | 49Offset  | Back          | 10mm     | 3 with 5GHz | 23095 | 707.5       | 19.63               | 20.00               | 1.089                  | 0.02             | 0.278                  | 0.303                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 1RB     | 49Offset  | Left Side     | 10mm     | 3 with 5GHz | 23095 | 707.5       | 19.63               | 20.00               | 1.089                  | 0.07             | 0.409                  | 0.445                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 1RB     | 49Offset  | Right Side    | 10mm     | 3 with 5GHz | 23095 | 707.5       | 19.63               | 20.00               | 1.089                  | 0.03             | 0.037                  | 0.040                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 1RB     | 49Offset  | Top Side      | 10mm     | 3 with 5GHz | 23095 | 707.5       | 19.63               | 20.00               | 1.089                  | 0.04             | 0.008                  | 0.008                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 25RB    | 25Offset  | Front         | 10mm     | 3 with 5GHz | 23095 | 707.5       | 19.38               | 20.00               | 1.153                  | 0.01             | 0.192                  | 0.221                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 25RB    | 25Offset  | Back          | 10mm     | 3 with 5GHz | 23095 | 707.5       | 19.38               | 20.00               | 1.153                  | 0.05             | 0.282                  | 0.325                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 25RB    | 25Offset  | Left Side     | 10mm     | 3 with 5GHz | 23095 | 707.5       | 19.38               | 20.00               | 1.153                  | 0.06             | 0.426                  | 0.491                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 25RB    | 25Offset  | Right Side    | 10mm     | 3 with 5GHz | 23095 | 707.5       | 19.38               | 20.00               | 1.153                  | 0.09             | 0.040                  | 0.046                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 25RB    | 25Offset  | Top Side      | 10mm     | 3 with 5GHz | 23095 | 707.5       | 19.38               | 20.00               | 1.153                  | 0.07             | 0.008                  | 0.010                  |
|          | LTE Band 12_LAT | 10M      | QPSK       | 1RB     | 49Offset  | Front         | 10mm     | Full Power  | 23095 | 707.5       | 23.01               | 23.80               | 1.199                  | -0.05            | 0.165                  | 0.198                  |
|          | LTE Band 12_LAT | 10M      | QPSK       | 1RB     | 49Offset  | Back          | 10mm     | Full Power  | 23095 | 707.5       | 23.01               | 23.80               | 1.199                  | 0.03             | 0.199                  | 0.239                  |
|          | LTE Band 12_LAT | 10M      | QPSK       | 1RB     | 49Offset  | Left Side     | 10mm     | Full Power  | 23095 | 707.5       | 23.01               | 23.80               | 1.199                  | 0.04             | 0.124                  | 0.149                  |
|          | LTE Band 12_LAT | 10M      | QPSK       | 1RB     | 49Offset  | Right Side    | 10mm     | Full Power  | 23095 | 707.5       | 23.01               | 23.80               | 1.199                  | 0.02             | 0.212                  | 0.254                  |
|          | LTE Band 12_LAT | 10M      | QPSK       | 1RB     | 49Offset  | Bottom Side   | 10mm     | Full Power  | 23095 | 707.5       | 23.01               | 23.80               | 1.199                  | 0.08             | 0.086                  | 0.104                  |
|          | LTE Band 12_LAT | 10M      | QPSK       | 25RB    | 25Offset  | Front         | 10mm     | Full Power  | 23095 | 707.5       | 22.13               | 22.80               | 1.167                  | -0.11            | 0.133                  | 0.155                  |
|          | LTE Band 12_LAT | 10M      | QPSK       | 25RB    | 25Offset  | Back          | 10mm     | Full Power  | 23095 | 707.5       | 22.13               | 22.80               | 1.167                  | 0.05             | 0.167                  | 0.195                  |
|          | LTE Band 12_LAT | 10M      | QPSK       | 25RB    | 25Offset  | Left Side     | 10mm     | Full Power  | 23095 | 707.5       | 22.13               | 22.80               | 1.167                  | 0.01             | 0.099                  | 0.115                  |
|          | LTE Band 12_LAT | 10M      | QPSK       | 25RB    | 25Offset  | Right Side    | 10mm     | Full Power  | 23095 | 707.5       | 22.13               | 22.80               | 1.167                  | 0.12             | 0.177                  | 0.207                  |
|          | LTE Band 12_LAT | 10M      | QPSK       | 25RB    | 25Offset  | Bottom Side   | 10mm     | Full Power  | 23095 | 707.5       | 22.13               | 22.80               | 1.167                  | 0.01             | 0.069                  | 0.081                  |



| Plot No. | Band            | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State   | Ch.   | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------------|----------|------------|---------|-----------|---------------|----------|---------------|-------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
|          | LTE Band 13_UAT | 10M      | QPSK       | 1RB     | 25Offset  | Front         | 10mm     | 3 with 2.4GHz | 23230 | 782         | 21.72               | 22.30               | 1.143                  | -0.09            | 0.323                  | 0.369                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 1RB     | 25Offset  | Back          | 10mm     | 3 with 2.4GHz | 23230 | 782         | 21.72               | 22.30               | 1.143                  | 0.01             | 0.674                  | 0.770                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 1RB     | 25Offset  | Left Side     | 10mm     | 3 with 2.4GHz | 23230 | 782         | 21.72               | 22.30               | 1.143                  | 0.1              | 0.652                  | 0.745                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 1RB     | 25Offset  | Right Side    | 10mm     | 3 with 2.4GHz | 23230 | 782         | 21.72               | 22.30               | 1.143                  | 0.06             | 0.023                  | 0.026                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 1RB     | 25Offset  | Top Side      | 10mm     | 3 with 2.4GHz | 23230 | 782         | 21.72               | 22.30               | 1.143                  | 0.01             | 0.006                  | 0.007                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Front         | 10mm     | 3 with 2.4GHz | 23230 | 782         | 21.71               | 22.30               | 1.146                  | -0.06            | 0.337                  | 0.386                  |
| 36       | LTE Band 13_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Back          | 10mm     | 3 with 2.4GHz | 23230 | 782         | 21.71               | 22.30               | 1.146                  | -0.07            | 0.720                  | 0.825                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Left Side     | 10mm     | 3 with 2.4GHz | 23230 | 782         | 21.71               | 22.30               | 1.146                  | -0.03            | 0.676                  | 0.774                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Right Side    | 10mm     | 3 with 2.4GHz | 23230 | 782         | 21.71               | 22.30               | 1.146                  | 0.02             | 0.025                  | 0.029                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Top Side      | 10mm     | 3 with 2.4GHz | 23230 | 782         | 21.71               | 22.30               | 1.146                  | 0.05             | 0.008                  | 0.009                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 50B     | 0Offset   | Back          | 10mm     | 3 with 2.4GHz | 23230 | 782         | 21.70               | 22.30               | 1.148                  | 0.03             | 0.697                  | 0.800                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 1RB     | 25Offset  | Front         | 10mm     | 3 with 5GHz   | 23230 | 782         | 19.30               | 19.80               | 1.122                  | 0.03             | 0.181                  | 0.203                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 1RB     | 25Offset  | Back          | 10mm     | 3 with 5GHz   | 23230 | 782         | 19.30               | 19.80               | 1.122                  | 0.08             | 0.337                  | 0.378                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 1RB     | 25Offset  | Left Side     | 10mm     | 3 with 5GHz   | 23230 | 782         | 19.30               | 19.80               | 1.122                  | 0.04             | 0.392                  | 0.440                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 1RB     | 25Offset  | Right Side    | 10mm     | 3 with 5GHz   | 23230 | 782         | 19.30               | 19.80               | 1.122                  | 0.03             | 0.015                  | 0.017                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 1RB     | 25Offset  | Top Side      | 10mm     | 3 with 5GHz   | 23230 | 782         | 19.30               | 19.80               | 1.122                  | 0.01             | 0.001                  | 0.001                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Front         | 10mm     | 3 with 5GHz   | 23230 | 782         | 19.21               | 19.80               | 1.146                  | -0.09            | 0.186                  | 0.213                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Back          | 10mm     | 3 with 5GHz   | 23230 | 782         | 19.21               | 19.80               | 1.146                  | 0.03             | 0.389                  | 0.446                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Left Side     | 10mm     | 3 with 5GHz   | 23230 | 782         | 19.21               | 19.80               | 1.146                  | 0.01             | 0.416                  | 0.477                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Right Side    | 10mm     | 3 with 5GHz   | 23230 | 782         | 19.21               | 19.80               | 1.146                  | 0.08             | 0.016                  | 0.018                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Top Side      | 10mm     | 3 with 5GHz   | 23230 | 782         | 19.21               | 19.80               | 1.146                  | 0.01             | 0.002                  | 0.002                  |
|          | LTE Band 13_LAT | 10M      | QPSK       | 1RB     | 25Offset  | Front         | 10mm     | Full Power    | 23230 | 782         | 22.06               | 23.30               | 1.330                  | -0.05            | 0.140                  | 0.186                  |
|          | LTE Band 13_LAT | 10M      | QPSK       | 1RB     | 25Offset  | Back          | 10mm     | Full Power    | 23230 | 782         | 22.06               | 23.30               | 1.330                  | 0.08             | 0.215                  | 0.286                  |
|          | LTE Band 13_LAT | 10M      | QPSK       | 1RB     | 25Offset  | Left Side     | 10mm     | Full Power    | 23230 | 782         | 22.06               | 23.30               | 1.330                  | 0.08             | 0.171                  | 0.228                  |
|          | LTE Band 13_LAT | 10M      | QPSK       | 1RB     | 25Offset  | Right Side    | 10mm     | Full Power    | 23230 | 782         | 22.06               | 23.30               | 1.330                  | 0.01             | 0.104                  | 0.138                  |
|          | LTE Band 13_LAT | 10M      | QPSK       | 1RB     | 25Offset  | Bottom Side   | 10mm     | Full Power    | 23230 | 782         | 22.06               | 23.30               | 1.330                  | 0.06             | 0.123                  | 0.164                  |
|          | LTE Band 13_LAT | 10M      | QPSK       | 25RB    | 12Offset  | Front         | 10mm     | Full Power    | 23230 | 782         | 21.24               | 22.30               | 1.276                  | -0.15            | 0.116                  | 0.148                  |
|          | LTE Band 13_LAT | 10M      | QPSK       | 25RB    | 12Offset  | Back          | 10mm     | Full Power    | 23230 | 782         | 21.24               | 22.30               | 1.276                  | 0.01             | 0.178                  | 0.227                  |
|          | LTE Band 13_LAT | 10M      | QPSK       | 25RB    | 12Offset  | Left Side     | 10mm     | Full Power    | 23230 | 782         | 21.24               | 22.30               | 1.276                  | 0.05             | 0.140                  | 0.179                  |
|          | LTE Band 13_LAT | 10M      | QPSK       | 25RB    | 12Offset  | Right Side    | 10mm     | Full Power    | 23230 | 782         | 21.24               | 22.30               | 1.276                  | -0.05            | 0.086                  | 0.110                  |
|          | LTE Band 13_LAT | 10M      | QPSK       | 25RB    | 12Offset  | Bottom Side   | 10mm     | Full Power    | 23230 | 782         | 21.24               | 22.30               | 1.276                  | 0.03             | 0.103                  | 0.131                  |



| Plot No. | Band           | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State   | Ch.   | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|----------------|----------|------------|---------|-----------|---------------|----------|---------------|-------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
|          | LTE Band 5_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Front         | 10mm     | 3 with 2.4GHz | 20525 | 836.5       | 22.26               | 22.80               | 1.132                  | -0.09            | 0.395                  | 0.447                  |
|          | LTE Band 5_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Back          | 10mm     | 3 with 2.4GHz | 20525 | 836.5       | 22.26               | 22.80               | 1.132                  | 0.02             | 0.855                  | 0.968                  |
| 37       | LTE Band 5_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Left Side     | 10mm     | 3 with 2.4GHz | 20525 | 836.5       | 22.26               | 22.80               | 1.132                  | -0.03            | 0.883                  | 1.000                  |
|          | LTE Band 5_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Right Side    | 10mm     | 3 with 2.4GHz | 20525 | 836.5       | 22.26               | 22.80               | 1.132                  | 0.01             | 0.013                  | 0.015                  |
|          | LTE Band 5_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Top Side      | 10mm     | 3 with 2.4GHz | 20525 | 836.5       | 22.26               | 22.80               | 1.132                  | 0.06             | 0.004                  | 0.005                  |
|          | LTE Band 5_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Front         | 10mm     | 3 with 2.4GHz | 20525 | 836.5       | 21.79               | 22.80               | 1.262                  | -0.09            | 0.358                  | 0.452                  |
|          | LTE Band 5_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Back          | 10mm     | 3 with 2.4GHz | 20525 | 836.5       | 21.79               | 22.80               | 1.262                  | 0.03             | 0.707                  | 0.892                  |
|          | LTE Band 5_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Left Side     | 10mm     | 3 with 2.4GHz | 20525 | 836.5       | 21.79               | 22.80               | 1.262                  | -0.05            | 0.774                  | 0.977                  |
|          | LTE Band 5_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Right Side    | 10mm     | 3 with 2.4GHz | 20525 | 836.5       | 21.79               | 22.80               | 1.262                  | 0.08             | 0.015                  | 0.019                  |
|          | LTE Band 5_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Top Side      | 10mm     | 3 with 2.4GHz | 20525 | 836.5       | 21.79               | 22.80               | 1.262                  | 0.04             | 0.005                  | 0.006                  |
|          | LTE Band 5_UAT | 10M      | QPSK       | 50RB    | 0Offset   | Back          | 10mm     | 3 with 2.4GHz | 20525 | 836.5       | 21.75               | 22.80               | 1.274                  | -0.08            | 0.705                  | 0.898                  |
|          | LTE Band 5_UAT | 10M      | QPSK       | 50RB    | 0Offset   | Left Side     | 10mm     | 3 with 2.4GHz | 20525 | 836.5       | 21.75               | 22.80               | 1.274                  | 0.03             | 0.659                  | 0.839                  |
|          | LTE Band 5_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Front         | 10mm     | 3 with 5GHz   | 20525 | 836.5       | 18.05               | 18.50               | 1.109                  | -0.08            | 0.141                  | 0.156                  |
|          | LTE Band 5_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Back          | 10mm     | 3 with 5GHz   | 20525 | 836.5       | 18.05               | 18.50               | 1.109                  | 0.02             | 0.276                  | 0.306                  |
|          | LTE Band 5_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Left Side     | 10mm     | 3 with 5GHz   | 20525 | 836.5       | 18.05               | 18.50               | 1.109                  | 0.04             | 0.221                  | 0.245                  |
|          | LTE Band 5_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Right Side    | 10mm     | 3 with 5GHz   | 20525 | 836.5       | 18.05               | 18.50               | 1.109                  | 0.01             | 0.006                  | 0.007                  |
|          | LTE Band 5_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Top Side      | 10mm     | 3 with 5GHz   | 20525 | 836.5       | 18.05               | 18.50               | 1.109                  | 0.03             | 0.001                  | 0.001                  |
|          | LTE Band 5_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Front         | 10mm     | 3 with 5GHz   | 20525 | 836.5       | 17.85               | 18.50               | 1.161                  | 0.06             | 0.142                  | 0.165                  |
|          | LTE Band 5_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Back          | 10mm     | 3 with 5GHz   | 20525 | 836.5       | 17.85               | 18.50               | 1.161                  | -0.05            | 0.274                  | 0.318                  |
|          | LTE Band 5_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Left Side     | 10mm     | 3 with 5GHz   | 20525 | 836.5       | 17.85               | 18.50               | 1.161                  | 0.03             | 0.222                  | 0.258                  |
|          | LTE Band 5_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Right Side    | 10mm     | 3 with 5GHz   | 20525 | 836.5       | 17.85               | 18.50               | 1.161                  | 0.02             | 0.007                  | 0.008                  |
|          | LTE Band 5_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Top Side      | 10mm     | 3 with 5GHz   | 20525 | 836.5       | 17.85               | 18.50               | 1.161                  | 0.06             | 0.001                  | 0.001                  |
|          | LTE Band 5_LAT | 10M      | QPSK       | 1RB     | 0Offset   | Front         | 10mm     | Full Power    | 20525 | 836.5       | 22.45               | 23.20               | 1.189                  | -0.05            | 0.142                  | 0.169                  |
|          | LTE Band 5_LAT | 10M      | QPSK       | 1RB     | 0Offset   | Back          | 10mm     | Full Power    | 20525 | 836.5       | 22.45               | 23.20               | 1.189                  | 0.02             | 0.169                  | 0.201                  |
|          | LTE Band 5_LAT | 10M      | QPSK       | 1RB     | 0Offset   | Left Side     | 10mm     | Full Power    | 20525 | 836.5       | 22.45               | 23.20               | 1.189                  | 0.04             | 0.079                  | 0.094                  |
|          | LTE Band 5_LAT | 10M      | QPSK       | 1RB     | 0Offset   | Right Side    | 10mm     | Full Power    | 20525 | 836.5       | 22.45               | 23.20               | 1.189                  | 0.06             | 0.069                  | 0.082                  |
|          | LTE Band 5_LAT | 10M      | QPSK       | 1RB     | 0Offset   | Bottom Side   | 10mm     | Full Power    | 20525 | 836.5       | 22.45               | 23.20               | 1.189                  | 0.02             | 0.154                  | 0.183                  |
|          | LTE Band 5_LAT | 10M      | QPSK       | 25RB    | 12Offset  | Front         | 10mm     | Full Power    | 20525 | 836.5       | 21.46               | 22.20               | 1.186                  | 0.05             | 0.108                  | 0.128                  |
|          | LTE Band 5_LAT | 10M      | QPSK       | 25RB    | 12Offset  | Back          | 10mm     | Full Power    | 20525 | 836.5       | 21.46               | 22.20               | 1.186                  | 0.08             | 0.134                  | 0.159                  |
|          | LTE Band 5_LAT | 10M      | QPSK       | 25RB    | 12Offset  | Left Side     | 10mm     | Full Power    | 20525 | 836.5       | 21.46               | 22.20               | 1.186                  | 0.01             | 0.061                  | 0.072                  |
|          | LTE Band 5_LAT | 10M      | QPSK       | 25RB    | 12Offset  | Right Side    | 10mm     | Full Power    | 20525 | 836.5       | 21.46               | 22.20               | 1.186                  | -0.05            | 0.061                  | 0.072                  |
|          | LTE Band 5_LAT | 10M      | QPSK       | 25RB    | 12Offset  | Bottom Side   | 10mm     | Full Power    | 20525 | 836.5       | 21.46               | 22.20               | 1.186                  | 0.03             | 0.130                  | 0.154                  |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

| Plot No. | Band            | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State | Ch.   | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------------|----------|------------|---------|-----------|---------------|----------|-------------|-------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
|          | LTE Band 26_UAT | 15M      | QPSK       | 1RB     | 0Offset   | Front         | 10mm     | Full Power  | 26865 | 831.5       | 22.85               | 23.80               | 1.245                  | -0.02            | 0.346                  | 0.431                  |
| 38       | LTE Band 26_UAT | 15M      | QPSK       | 1RB     | 0Offset   | Back          | 10mm     | Full Power  | 26865 | 831.5       | 22.85               | 23.80               | 1.245                  | -0.09            | 0.703                  | 0.875                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 1RB     | 0Offset   | Left Side     | 10mm     | Full Power  | 26865 | 831.5       | 22.85               | 23.80               | 1.245                  | 0.05             | 0.637                  | 0.793                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 1RB     | 0Offset   | Right Side    | 10mm     | Full Power  | 26865 | 831.5       | 22.85               | 23.80               | 1.245                  | 0.05             | 0.019                  | 0.024                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 1RB     | 0Offset   | Top Side      | 10mm     | Full Power  | 26865 | 831.5       | 22.85               | 23.80               | 1.245                  | 0.01             | 0.009                  | 0.011                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 1RB     | 0Offset   | Back          | 10mm     | Full Power  | 26765 | 821.5       | 22.70               | 23.80               | 1.288                  | -0.09            | 0.674                  | 0.868                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 1RB     | 0Offset   | Back          | 10mm     | Full Power  | 26965 | 841.5       | 22.70               | 23.80               | 1.288                  | 0.03             | 0.649                  | 0.836                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 36RB    | 20Offset  | Front         | 10mm     | Full Power  | 26865 | 831.5       | 21.92               | 22.80               | 1.225                  | -0.02            | 0.291                  | 0.356                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 36RB    | 20Offset  | Back          | 10mm     | Full Power  | 26865 | 831.5       | 21.92               | 22.80               | 1.225                  | 0.01             | 0.567                  | 0.694                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 36RB    | 20Offset  | Left Side     | 10mm     | Full Power  | 26865 | 831.5       | 21.92               | 22.80               | 1.225                  | 0.06             | 0.585                  | 0.716                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 36RB    | 20Offset  | Right Side    | 10mm     | Full Power  | 26865 | 831.5       | 21.92               | 22.80               | 1.225                  | -0.05            | 0.016                  | 0.020                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 36RB    | 20Offset  | Top Side      | 10mm     | Full Power  | 26865 | 831.5       | 21.92               | 22.80               | 1.225                  | 0.03             | 0.008                  | 0.010                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 75RB    | 0Offset   | Back          | 10mm     | Full Power  | 26865 | 831.5       | 21.86               | 22.80               | 1.242                  | -0.03            | 0.538                  | 0.668                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 1RB     | 0Offset   | Front         | 10mm     | 3 with 5GHz | 26865 | 831.5       | 19.55               | 20.00               | 1.109                  | 0.05             | 0.191                  | 0.212                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 1RB     | 0Offset   | Back          | 10mm     | 3 with 5GHz | 26865 | 831.5       | 19.55               | 20.00               | 1.109                  | -0.05            | 0.378                  | 0.419                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 1RB     | 0Offset   | Left Side     | 10mm     | 3 with 5GHz | 26865 | 831.5       | 19.55               | 20.00               | 1.109                  | 0.03             | 0.295                  | 0.327                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 1RB     | 0Offset   | Right Side    | 10mm     | 3 with 5GHz | 26865 | 831.5       | 19.55               | 20.00               | 1.109                  | 0.05             | 0.008                  | 0.009                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 1RB     | 0Offset   | Top Side      | 10mm     | 3 with 5GHz | 26865 | 831.5       | 19.55               | 20.00               | 1.109                  | 0.01             | 0.004                  | 0.004                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 36RB    | 20Offset  | Front         | 10mm     | 3 with 5GHz | 26865 | 831.5       | 19.45               | 20.00               | 1.135                  | -0.12            | 0.202                  | 0.229                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 36RB    | 20Offset  | Back          | 10mm     | 3 with 5GHz | 26865 | 831.5       | 19.45               | 20.00               | 1.135                  | 0.02             | 0.402                  | 0.456                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 36RB    | 20Offset  | Left Side     | 10mm     | 3 with 5GHz | 26865 | 831.5       | 19.45               | 20.00               | 1.135                  | -0.05            | 0.307                  | 0.348                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 36RB    | 20Offset  | Right Side    | 10mm     | 3 with 5GHz | 26865 | 831.5       | 19.45               | 20.00               | 1.135                  | 0.02             | 0.010                  | 0.011                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 36RB    | 20Offset  | Top Side      | 10mm     | 3 with 5GHz | 26865 | 831.5       | 19.45               | 20.00               | 1.135                  | 0.01             | 0.005                  | 0.006                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 36RB    | 20Offset  | Back          | 10mm     | 3 with 5GHz | 26765 | 821.5       | 19.34               | 20.00               | 1.164                  | 0.06             | 0.335                  | 0.390                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 36RB    | 20Offset  | Back          | 10mm     | 3 with 5GHz | 26965 | 841.5       | 19.40               | 20.00               | 1.148                  | -0.05            | 0.356                  | 0.409                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 1RB     | 0Offset   | Front         | 10mm     | Full Power  | 26865 | 831.5       | 22.45               | 23.20               | 1.189                  | 0.05             | 0.112                  | 0.133                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 1RB     | 0Offset   | Back          | 10mm     | Full Power  | 26865 | 831.5       | 22.45               | 23.20               | 1.189                  | 0.02             | 0.153                  | 0.182                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 1RB     | 0Offset   | Left Side     | 10mm     | Full Power  | 26865 | 831.5       | 22.45               | 23.20               | 1.189                  | -0.09            | 0.110                  | 0.131                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 1RB     | 0Offset   | Right Side    | 10mm     | Full Power  | 26865 | 831.5       | 22.45               | 23.20               | 1.189                  | 0.01             | 0.069                  | 0.082                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 1RB     | 0Offset   | Bottom Side   | 10mm     | Full Power  | 26865 | 831.5       | 22.45               | 23.20               | 1.189                  | -0.03            | 0.133                  | 0.158                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 1RB     | 0Offset   | Back          | 10mm     | Full Power  | 26765 | 821.5       | 22.31               | 23.20               | 1.227                  | 0.05             | 0.142                  | 0.174                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 1RB     | 0Offset   | Back          | 10mm     | Full Power  | 26965 | 841.5       | 22.44               | 23.20               | 1.191                  | -0.05            | 0.145                  | 0.173                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 36RB    | 20Offset  | Front         | 10mm     | Full Power  | 26865 | 831.5       | 21.51               | 22.20               | 1.172                  | 0.05             | 0.086                  | 0.101                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 36RB    | 20Offset  | Back          | 10mm     | Full Power  | 26865 | 831.5       | 21.51               | 22.20               | 1.172                  | 0.02             | 0.120                  | 0.141                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 36RB    | 20Offset  | Left Side     | 10mm     | Full Power  | 26865 | 831.5       | 21.51               | 22.20               | 1.172                  | 0.05             | 0.086                  | 0.101                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 36RB    | 20Offset  | Right Side    | 10mm     | Full Power  | 26865 | 831.5       | 21.51               | 22.20               | 1.172                  | 0.08             | 0.061                  | 0.072                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 36RB    | 20Offset  | Bottom Side   | 10mm     | Full Power  | 26865 | 831.5       | 21.51               | 22.20               | 1.172                  | 0.01             | 0.098                  | 0.115                  |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

| Plot No. | Band            | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State | Ch.    | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------------|----------|------------|---------|-----------|---------------|----------|-------------|--------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 10mm     | Full Power  | 132322 | 1745        | 22.39               | 23.10               | 1.178                  | 0.01             | 0.569                  | 0.670                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 10mm     | Full Power  | 132322 | 1745        | 22.39               | 23.10               | 1.178                  | -0.02            | 0.694                  | 0.817                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Side     | 10mm     | Full Power  | 132322 | 1745        | 22.39               | 23.10               | 1.178                  | 0.06             | 0.364                  | 0.429                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Side    | 10mm     | Full Power  | 132322 | 1745        | 22.39               | 23.10               | 1.178                  | 0.08             | 0.005                  | 0.006                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Top Side      | 10mm     | Full Power  | 132322 | 1745        | 22.39               | 23.10               | 1.178                  | -0.06            | 0.809                  | 0.953                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Top Side      | 10mm     | Full Power  | 132072 | 1720        | 22.13               | 23.10               | 1.250                  | 0.08             | 0.722                  | 0.903                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Top Side      | 10mm     | Full Power  | 132572 | 1770        | 22.25               | 23.10               | 1.216                  | -0.02            | 0.819                  | 0.996                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 10mm     | Full Power  | 132072 | 1720        | 22.13               | 23.10               | 1.250                  | 0.03             | 0.625                  | 0.781                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 10mm     | Full Power  | 132572 | 1770        | 22.25               | 23.10               | 1.216                  | 0.06             | 0.671                  | 0.816                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Front         | 10mm     | Full Power  | 132322 | 1745        | 21.46               | 22.10               | 1.159                  | 0.03             | 0.482                  | 0.559                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Back          | 10mm     | Full Power  | 132322 | 1745        | 21.46               | 22.10               | 1.159                  | 0.02             | 0.560                  | 0.649                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Left Side     | 10mm     | Full Power  | 132322 | 1745        | 21.46               | 22.10               | 1.159                  | 0.05             | 0.306                  | 0.355                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Side    | 10mm     | Full Power  | 132322 | 1745        | 21.46               | 22.10               | 1.159                  | -0.01            | 0.003                  | 0.003                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Top Side      | 10mm     | Full Power  | 132322 | 1745        | 21.46               | 22.10               | 1.159                  | 0.05             | 0.706                  | 0.818                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Top Side      | 10mm     | Full Power  | 132072 | 1720        | 21.29               | 22.10               | 1.205                  | 0.08             | 0.651                  | 0.784                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Top Side      | 10mm     | Full Power  | 132572 | 1770        | 21.29               | 22.10               | 1.205                  | 0.09             | 0.734                  | 0.884                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 100RB   | 0Offset   | Back          | 10mm     | Full Power  | 132322 | 1745        | 21.39               | 22.10               | 1.178                  | 0.03             | 0.534                  | 0.629                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 100RB   | 0Offset   | Top Side      | 10mm     | Full Power  | 132322 | 1745        | 21.39               | 22.10               | 1.178                  | 0.04             | 0.704                  | 0.829                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 10mm     | 3 with 5GHz | 132322 | 1745        | 19.00               | 19.50               | 1.122                  | 0.02             | 0.238                  | 0.267                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 10mm     | 3 with 5GHz | 132322 | 1745        | 19.00               | 19.50               | 1.122                  | 0.06             | 0.272                  | 0.305                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Side     | 10mm     | 3 with 5GHz | 132322 | 1745        | 19.00               | 19.50               | 1.122                  | -0.04            | 0.179                  | 0.201                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Side    | 10mm     | 3 with 5GHz | 132322 | 1745        | 19.00               | 19.50               | 1.122                  | 0.01             | 0.001                  | 0.001                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Top Side      | 10mm     | 3 with 5GHz | 132322 | 1745        | 19.00               | 19.50               | 1.122                  | 0.02             | 0.355                  | 0.398                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Front         | 10mm     | 3 with 5GHz | 132322 | 1745        | 18.95               | 19.50               | 1.135                  | 0.03             | 0.251                  | 0.285                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Back          | 10mm     | 3 with 5GHz | 132322 | 1745        | 18.95               | 19.50               | 1.135                  | 0.05             | 0.284                  | 0.322                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Left Side     | 10mm     | 3 with 5GHz | 132322 | 1745        | 18.95               | 19.50               | 1.135                  | 0.09             | 0.188                  | 0.213                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Side    | 10mm     | 3 with 5GHz | 132322 | 1745        | 18.95               | 19.50               | 1.135                  | 0.07             | 0.001                  | 0.001                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Top Side      | 10mm     | 3 with 5GHz | 132322 | 1745        | 18.95               | 19.50               | 1.135                  | 0.08             | 0.359                  | 0.407                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Top Side      | 10mm     | 3 with 5GHz | 132072 | 1720        | 18.80               | 19.50               | 1.175                  | 0.06             | 0.349                  | 0.410                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Top Side      | 10mm     | 3 with 5GHz | 132572 | 1770        | 18.77               | 19.50               | 1.183                  | 0.04             | 0.409                  | 0.484                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 10mm     | 1           | 132322 | 1745        | 21.78               | 22.00               | 1.052                  | 0.07             | 0.301                  | 0.317                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 10mm     | 1           | 132322 | 1745        | 21.78               | 22.00               | 1.052                  | 0.03             | 0.495                  | 0.521                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Side     | 10mm     | 1           | 132322 | 1745        | 21.78               | 22.00               | 1.052                  | -0.02            | 0.131                  | 0.138                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Side    | 10mm     | 1           | 132322 | 1745        | 21.78               | 22.00               | 1.052                  | 0.02             | 0.166                  | 0.175                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Bottom Side   | 10mm     | 1           | 132322 | 1745        | 21.78               | 22.00               | 1.052                  | 0.08             | 0.889                  | 0.935                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Bottom Side   | 10mm     | 1           | 132072 | 1720        | 21.65               | 22.00               | 1.084                  | 0.04             | 0.808                  | 0.876                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Bottom Side   | 10mm     | 1           | 132572 | 1770        | 21.58               | 22.00               | 1.102                  | 0.01             | 0.940                  | 1.035                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 50RB    | 0Offset   | Front         | 10mm     | 1           | 132322 | 1745        | 21.77               | 22.00               | 1.054                  | 0.1              | 0.410                  | 0.432                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 50RB    | 0Offset   | Back          | 10mm     | 1           | 132322 | 1745        | 21.77               | 22.00               | 1.054                  | 0.05             | 0.514                  | 0.542                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 50RB    | 0Offset   | Left Side     | 10mm     | 1           | 132322 | 1745        | 21.77               | 22.00               | 1.054                  | 0.03             | 0.135                  | 0.142                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Side    | 10mm     | 1           | 132322 | 1745        | 21.77               | 22.00               | 1.054                  | 0.06             | 0.174                  | 0.183                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 50RB    | 0Offset   | Bottom Side   | 10mm     | 1           | 132322 | 1745        | 21.77               | 22.00               | 1.054                  | 0.05             | 0.912                  | 0.962                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 50RB    | 0Offset   | Bottom Side   | 10mm     | 1           | 132072 | 1720        | 21.63               | 22.00               | 1.089                  | 0.05             | 0.784                  | 0.854                  |
| 39       | LTE Band 66_LAT | 20M      | QPSK       | 50RB    | 0Offset   | Bottom Side   | 10mm     | 1           | 132572 | 1770        | 21.55               | 22.00               | 1.109                  | 0.09             | 1.070                  | 1.187                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 100RB   | 0Offset   | Bottom Side   | 10mm     | 1           | 132322 | 1745        | 21.69               | 22.00               | 1.074                  | -0.02            | 0.961                  | 1.032                  |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

| Plot No. | Band            | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State | Ch.   | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------------|----------|------------|---------|-----------|---------------|----------|-------------|-------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 10mm     | Full Power  | 26340 | 1880        | 21.86               | 22.70               | 1.213                  | 0.03             | 0.491                  | 0.596                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 10mm     | Full Power  | 26340 | 1880        | 21.86               | 22.70               | 1.213                  | 0.01             | 0.613                  | 0.744                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Side     | 10mm     | Full Power  | 26340 | 1880        | 21.86               | 22.70               | 1.213                  | 0.07             | 0.388                  | 0.471                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Side    | 10mm     | Full Power  | 26340 | 1880        | 21.86               | 22.70               | 1.213                  | 0.05             | 0.062                  | 0.075                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Top Side      | 10mm     | Full Power  | 26340 | 1880        | 21.86               | 22.70               | 1.213                  | 0.09             | 0.630                  | 0.764                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Top Side      | 10mm     | Full Power  | 26140 | 1860        | 21.78               | 22.70               | 1.236                  | 0.02             | 0.707                  | 0.874                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Top Side      | 10mm     | Full Power  | 26590 | 1905        | 21.73               | 22.70               | 1.250                  | -0.09            | 0.570                  | 0.713                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Front         | 10mm     | Full Power  | 26340 | 1880        | 20.90               | 21.70               | 1.202                  | 0.03             | 0.399                  | 0.480                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Back          | 10mm     | Full Power  | 26340 | 1880        | 20.90               | 21.70               | 1.202                  | 0.05             | 0.460                  | 0.553                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Left Side     | 10mm     | Full Power  | 26340 | 1880        | 20.90               | 21.70               | 1.202                  | 0.01             | 0.315                  | 0.379                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Side    | 10mm     | Full Power  | 26340 | 1880        | 20.90               | 21.70               | 1.202                  | 0.04             | 0.051                  | 0.061                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Top Side      | 10mm     | Full Power  | 26340 | 1880        | 20.90               | 21.70               | 1.202                  | 0.02             | 0.513                  | 0.617                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 100RB   | 0Offset   | Top Side      | 10mm     | Full Power  | 26340 | 1880        | 20.87               | 21.70               | 1.211                  | 0.05             | 0.502                  | 0.608                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 10mm     | 3 with 5GHz | 26340 | 1880        | 19.88               | 20.20               | 1.076                  | 0.04             | 0.296                  | 0.319                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 10mm     | 3 with 5GHz | 26340 | 1880        | 19.88               | 20.20               | 1.076                  | 0.08             | 0.417                  | 0.449                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Side     | 10mm     | 3 with 5GHz | 26340 | 1880        | 19.88               | 20.20               | 1.076                  | 0.06             | 0.204                  | 0.220                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Side    | 10mm     | 3 with 5GHz | 26340 | 1880        | 19.88               | 20.20               | 1.076                  | 0.09             | 0.043                  | 0.046                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Top Side      | 10mm     | 3 with 5GHz | 26340 | 1880        | 19.88               | 20.20               | 1.076                  | 0.01             | 0.336                  | 0.362                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Front         | 10mm     | 3 with 5GHz | 26340 | 1880        | 19.87               | 20.20               | 1.079                  | 0.04             | 0.302                  | 0.326                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Back          | 10mm     | 3 with 5GHz | 26340 | 1880        | 19.87               | 20.20               | 1.079                  | 0.07             | 0.443                  | 0.478                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Left Side     | 10mm     | 3 with 5GHz | 26340 | 1880        | 19.87               | 20.20               | 1.079                  | 0.01             | 0.208                  | 0.224                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Side    | 10mm     | 3 with 5GHz | 26340 | 1880        | 19.87               | 20.20               | 1.079                  | 0.03             | 0.045                  | 0.049                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Top Side      | 10mm     | 3 with 5GHz | 26340 | 1880        | 19.87               | 20.20               | 1.079                  | 0.09             | 0.343                  | 0.370                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Back          | 10mm     | 3 with 5GHz | 26140 | 1860        | 19.79               | 20.20               | 1.099                  | 0.01             | 0.512                  | 0.563                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Back          | 10mm     | 3 with 5GHz | 26590 | 1905        | 19.81               | 20.20               | 1.094                  | 0.05             | 0.486                  | 0.532                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 10mm     | 1           | 26340 | 1880        | 21.68               | 22.00               | 1.076                  | 0.08             | 0.412                  | 0.444                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 10mm     | 1           | 26340 | 1880        | 21.68               | 22.00               | 1.076                  | 0.04             | 0.635                  | 0.684                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Side     | 10mm     | 1           | 26340 | 1880        | 21.68               | 22.00               | 1.076                  | -0.02            | 0.132                  | 0.142                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Side    | 10mm     | 1           | 26340 | 1880        | 21.68               | 22.00               | 1.076                  | 0.05             | 0.110                  | 0.118                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Bottom Side   | 10mm     | 1           | 26340 | 1880        | 21.68               | 22.00               | 1.076                  | 0.01             | 0.895                  | 0.963                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Bottom Side   | 10mm     | 1           | 26140 | 1860        | 21.56               | 22.00               | 1.107                  | 0.02             | 0.838                  | 0.927                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Bottom Side   | 10mm     | 1           | 26590 | 1905        | 21.52               | 22.00               | 1.117                  | 0.08             | 0.813                  | 0.908                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Front         | 10mm     | 1           | 26340 | 1880        | 21.65               | 22.00               | 1.084                  | -0.04            | 0.428                  | 0.464                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Back          | 10mm     | 1           | 26340 | 1880        | 21.65               | 22.00               | 1.084                  | 0.02             | 0.650                  | 0.705                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Left Side     | 10mm     | 1           | 26340 | 1880        | 21.65               | 22.00               | 1.084                  | 0.01             | 0.138                  | 0.150                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Side    | 10mm     | 1           | 26340 | 1880        | 21.65               | 22.00               | 1.084                  | 0.02             | 0.118                  | 0.128                  |
| 40       | LTE Band 25_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Bottom Side   | 10mm     | 1           | 26340 | 1880        | 21.65               | 22.00               | 1.084                  | -0.03            | 0.971                  | 1.052                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Bottom Side   | 10mm     | 1           | 26140 | 1860        | 21.56               | 22.00               | 1.107                  | -0.03            | 0.914                  | 1.011                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Bottom Side   | 10mm     | 1           | 26590 | 1905        | 21.52               | 22.00               | 1.117                  | -0.04            | 0.882                  | 0.985                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 10RB    | 0Offset   | Bottom Side   | 10mm     | 1           | 26340 | 1880        | 21.61               | 22.00               | 1.094                  | 0.05             | 0.902                  | 0.987                  |



| Plot No. | Band            | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State | Ch.   | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------------|----------|------------|---------|-----------|---------------|----------|-------------|-------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
|          | LTE Band 30_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Front         | 10mm     | Full Power  | 27710 | 2310        | 20.63               | 22.40               | 1.503                  | 0.05             | 0.363                  | 0.546                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Back          | 10mm     | Full Power  | 27710 | 2310        | 20.63               | 22.40               | 1.503                  | 0.03             | 0.391                  | 0.588                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Left Side     | 10mm     | Full Power  | 27710 | 2310        | 20.63               | 22.40               | 1.503                  | 0.06             | 0.473                  | 0.711                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Right Side    | 10mm     | Full Power  | 27710 | 2310        | 20.63               | 22.40               | 1.503                  | 0.01             | 0.053                  | 0.080                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Top Side      | 10mm     | Full Power  | 27710 | 2310        | 20.63               | 22.40               | 1.503                  | 0.05             | 0.226                  | 0.340                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 25RB    | 0Offset   | Front         | 10mm     | Full Power  | 27710 | 2310        | 19.71               | 21.40               | 1.476                  | 0.06             | 0.262                  | 0.387                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 25RB    | 0Offset   | Back          | 10mm     | Full Power  | 27710 | 2310        | 19.71               | 21.40               | 1.476                  | 0.01             | 0.302                  | 0.446                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 25RB    | 0Offset   | Left Side     | 10mm     | Full Power  | 27710 | 2310        | 19.71               | 21.40               | 1.476                  | -0.05            | 0.379                  | 0.559                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 25RB    | 0Offset   | Right Side    | 10mm     | Full Power  | 27710 | 2310        | 19.71               | 21.40               | 1.476                  | 0.03             | 0.044                  | 0.065                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 25RB    | 0Offset   | Top Side      | 10mm     | Full Power  | 27710 | 2310        | 19.71               | 21.40               | 1.476                  | 0.07             | 0.186                  | 0.274                  |
|          | LTE Band 30_LAT | 10M      | QPSK       | 1RB     | 0Offset   | Front         | 10mm     | Full Power  | 27710 | 2310        | 22.56               | 23.80               | 1.330                  | -0.03            | 0.642                  | 0.854                  |
|          | LTE Band 30_LAT | 10M      | QPSK       | 1RB     | 0Offset   | Back          | 10mm     | Full Power  | 27710 | 2310        | 22.56               | 23.80               | 1.330                  | 0.12             | 0.741                  | 0.986                  |
|          | LTE Band 30_LAT | 10M      | QPSK       | 1RB     | 0Offset   | Left Side     | 10mm     | Full Power  | 27710 | 2310        | 22.56               | 23.80               | 1.330                  | 0.06             | 0.188                  | 0.250                  |
|          | LTE Band 30_LAT | 10M      | QPSK       | 1RB     | 0Offset   | Right Side    | 10mm     | Full Power  | 27710 | 2310        | 22.56               | 23.80               | 1.330                  | -0.03            | 0.108                  | 0.144                  |
| 41       | LTE Band 30_LAT | 10M      | QPSK       | 1RB     | 0Offset   | Bottom Side   | 10mm     | Full Power  | 27710 | 2310        | 22.56               | 23.80               | 1.330                  | 0.03             | 0.897                  | 1.193                  |
|          | LTE Band 30_LAT | 10M      | QPSK       | 25RB    | 0Offset   | Front         | 10mm     | Full Power  | 27710 | 2310        | 21.51               | 22.80               | 1.346                  | 0.07             | 0.521                  | 0.701                  |
|          | LTE Band 30_LAT | 10M      | QPSK       | 25RB    | 0Offset   | Back          | 10mm     | Full Power  | 27710 | 2310        | 21.51               | 22.80               | 1.346                  | 0.02             | 0.603                  | 0.812                  |
|          | LTE Band 30_LAT | 10M      | QPSK       | 25RB    | 0Offset   | Left Side     | 10mm     | Full Power  | 27710 | 2310        | 21.51               | 22.80               | 1.346                  | 0.05             | 0.154                  | 0.207                  |
|          | LTE Band 30_LAT | 10M      | QPSK       | 25RB    | 0Offset   | Right Side    | 10mm     | Full Power  | 27710 | 2310        | 21.51               | 22.80               | 1.346                  | 0.03             | 0.089                  | 0.120                  |
|          | LTE Band 30_LAT | 10M      | QPSK       | 25RB    | 0Offset   | Bottom Side   | 10mm     | Full Power  | 27710 | 2310        | 21.51               | 22.80               | 1.346                  | 0.06             | 0.728                  | 0.980                  |
|          | LTE Band 30_LAT | 10M      | QPSK       | 50RB    | 0Offset   | Front         | 10mm     | Full Power  | 27710 | 2310        | 21.48               | 22.80               | 1.355                  | 0.01             | 0.516                  | 0.699                  |
|          | LTE Band 30_LAT | 10M      | QPSK       | 50RB    | 0Offset   | Back          | 10mm     | Full Power  | 27710 | 2310        | 21.48               | 22.80               | 1.355                  | 0.08             | 0.603                  | 0.817                  |
|          | LTE Band 30_LAT | 10M      | QPSK       | 50RB    | 0Offset   | Bottom Side   | 10mm     | Full Power  | 27710 | 2310        | 21.48               | 22.80               | 1.355                  | 0.04             | 0.724                  | 0.981                  |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

| Plot No. | Band           | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State | Ch.                   | Freq. (MHz)             | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|----------------|----------|------------|---------|-----------|---------------|----------|-------------|-----------------------|-------------------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Front         | 10mm     | Full Power  | 21350                 | 2560                    | 21.15               | 22.20               | 1.274                  | 0.02             | 0.370                  | 0.471                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Back          | 10mm     | Full Power  | 21350                 | 2560                    | 21.15               | 22.20               | 1.274                  | 0.01             | 0.492                  | 0.627                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Left Side     | 10mm     | Full Power  | 21350                 | 2560                    | 21.15               | 22.20               | 1.274                  | 0.02             | 0.621                  | 0.791                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Right Side    | 10mm     | Full Power  | 21350                 | 2560                    | 21.15               | 22.20               | 1.274                  | -0.05            | 0.063                  | 0.080                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Top Side      | 10mm     | Full Power  | 21350                 | 2560                    | 21.15               | 22.20               | 1.274                  | 0.03             | 0.384                  | 0.489                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Left Side     | 10mm     | Full Power  | 20850                 | 2510                    | 21.06               | 22.20               | 1.300                  | 0.03             | 0.665                  | 0.865                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Left Side     | 10mm     | Full Power  | 21100                 | 2535                    | 21.14               | 22.20               | 1.276                  | 0.05             | 0.682                  | 0.871                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Left Side     | 10mm     | Full Power  | 21100(PCC)+20902(SCC) | 2535(PCC) + 2515.2(SCC) | 20.85               | 22.20               | 1.365                  | -0.08            | 0.535                  | 0.730                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Front         | 10mm     | Full Power  | 21350                 | 2560                    | 20.27               | 21.20               | 1.239                  | 0.08             | 0.303                  | 0.375                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Back          | 10mm     | Full Power  | 21350                 | 2560                    | 20.27               | 21.20               | 1.239                  | 0.05             | 0.409                  | 0.507                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Left Side     | 10mm     | Full Power  | 21350                 | 2560                    | 20.27               | 21.20               | 1.239                  | 0.02             | 0.536                  | 0.664                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Side    | 10mm     | Full Power  | 21350                 | 2560                    | 20.27               | 21.20               | 1.239                  | -0.02            | 0.054                  | 0.067                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Top Side      | 10mm     | Full Power  | 21350                 | 2560                    | 20.27               | 21.20               | 1.239                  | 0.05             | 0.327                  | 0.405                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 100RB   | 0Offset   | Left Side     | 10mm     | Full Power  | 21350                 | 2560                    | 20.22               | 21.20               | 1.253                  | 0.03             | 0.544                  | 0.682                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Front         | 10mm     | 3 with 5GHz | 21350                 | 2560                    | 19.84               | 20.20               | 1.086                  | -0.03            | 0.241                  | 0.262                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Back          | 10mm     | 3 with 5GHz | 21350                 | 2560                    | 19.84               | 20.20               | 1.086                  | 0.07             | 0.305                  | 0.331                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Left Side     | 10mm     | 3 with 5GHz | 21350                 | 2560                    | 19.84               | 20.20               | 1.086                  | 0.01             | 0.461                  | 0.501                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Right Side    | 10mm     | 3 with 5GHz | 21350                 | 2560                    | 19.84               | 20.20               | 1.086                  | 0.01             | 0.044                  | 0.048                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 1RB     | 99Offset  | Top Side      | 10mm     | 3 with 5GHz | 21350                 | 2560                    | 19.84               | 20.20               | 1.086                  | 0.06             | 0.275                  | 0.299                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Front         | 10mm     | 3 with 5GHz | 21350                 | 2560                    | 19.76               | 20.20               | 1.107                  | 0.05             | 0.265                  | 0.293                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Back          | 10mm     | 3 with 5GHz | 21350                 | 2560                    | 19.76               | 20.20               | 1.107                  | -0.04            | 0.310                  | 0.343                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Left Side     | 10mm     | 3 with 5GHz | 21350                 | 2560                    | 19.76               | 20.20               | 1.107                  | -0.02            | 0.534                  | 0.591                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Side    | 10mm     | 3 with 5GHz | 21350                 | 2560                    | 19.76               | 20.20               | 1.107                  | 0.02             | 0.047                  | 0.052                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Top Side      | 10mm     | 3 with 5GHz | 21350                 | 2560                    | 19.76               | 20.20               | 1.107                  | 0.06             | 0.293                  | 0.324                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Left Side     | 10mm     | 3 with 5GHz | 20850                 | 2510                    | 19.61               | 20.20               | 1.146                  | -0.02            | 0.517                  | 0.592                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Left Side     | 10mm     | 3 with 5GHz | 21100                 | 2535                    | 19.75               | 20.20               | 1.109                  | -0.04            | 0.551                  | 0.611                  |
|          | LTE Band 7_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Left Side     | 10mm     | 3 with 5GHz | 21100(PCC)+20902(SCC) | 2535(PCC) + 2515.2(SCC) | 19.69               | 20.20               | 1.125                  | 0.05             | 0.391                  | 0.440                  |
|          | LTE Band 7_LAT | 20M      | QPSK       | 1RB     | 99Offset  | Front         | 10mm     | 1           | 21350                 | 2560                    | 21.93               | 22.00               | 1.016                  | 0.05             | 0.332                  | 0.337                  |
|          | LTE Band 7_LAT | 20M      | QPSK       | 1RB     | 99Offset  | Back          | 10mm     | 1           | 21350                 | 2560                    | 21.93               | 22.00               | 1.016                  | -0.03            | 0.496                  | 0.504                  |
|          | LTE Band 7_LAT | 20M      | QPSK       | 1RB     | 99Offset  | Left Side     | 10mm     | 1           | 21350                 | 2560                    | 21.93               | 22.00               | 1.016                  | 0.05             | 0.184                  | 0.187                  |
|          | LTE Band 7_LAT | 20M      | QPSK       | 1RB     | 99Offset  | Right Side    | 10mm     | 1           | 21350                 | 2560                    | 21.93               | 22.00               | 1.016                  | 0.02             | 0.104                  | 0.106                  |
|          | LTE Band 7_LAT | 20M      | QPSK       | 1RB     | 99Offset  | Bottom Side   | 10mm     | 1           | 21350                 | 2560                    | 21.93               | 22.00               | 1.016                  | -0.02            | 0.741                  | 0.753                  |
| 42       | LTE Band 7_LAT | 20M      | QPSK       | 1RB     | 99Offset  | Bottom Side   | 10mm     | 1           | 20850                 | 2510                    | 21.58               | 22.00               | 1.102                  | -0.04            | 0.871                  | 0.959                  |
|          | LTE Band 7_LAT | 20M      | QPSK       | 1RB     | 99Offset  | Bottom Side   | 10mm     | 1           | 21100                 | 2535                    | 21.85               | 22.00               | 1.035                  | 0.05             | 0.837                  | 0.866                  |
|          | LTE Band 7_LAT | 20M      | QPSK       | 1RB     | 99Offset  | Bottom Side   | 10mm     | 1           | 21100(PCC)+20902(SCC) | 2535(PCC) + 2515.2(SCC) | 21.75               | 22.00               | 1.059                  | 0.05             | 0.821                  | 0.870                  |
|          | LTE Band 7_LAT | 20M      | QPSK       | 1RB     | 99Offset  | Bottom Side   | 10mm     | 1           | 20850(PCC)+21048(SCC) | 2510(PCC) + 2529.8(SCC) | 21.51               | 22.00               | 1.119                  | -0.03            | 0.834                  | 0.934                  |
|          | LTE Band 7_LAT | 20M      | QPSK       | 1RB     | 99Offset  | Bottom Side   | 10mm     | 1           | 21350(PCC)+21152(SCC) | 2560(PCC) + 2540.2(SCC) | 21.86               | 22.00               | 1.033                  | 0.01             | 0.788                  | 0.814                  |
|          | LTE Band 7_LAT | 20M      | QPSK       | 50RB    | 0Offset   | Front         | 10mm     | 1           | 21350                 | 2560                    | 21.92               | 22.00               | 1.019                  | 0.03             | 0.314                  | 0.320                  |
|          | LTE Band 7_LAT | 20M      | QPSK       | 50RB    | 0Offset   | Back          | 10mm     | 1           | 21350                 | 2560                    | 21.92               | 22.00               | 1.019                  | 0.04             | 0.464                  | 0.473                  |
|          | LTE Band 7_LAT | 20M      | QPSK       | 50RB    | 0Offset   | Left Side     | 10mm     | 1           | 21350                 | 2560                    | 21.92               | 22.00               | 1.019                  | 0.08             | 0.155                  | 0.158                  |
|          | LTE Band 7_LAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Side    | 10mm     | 1           | 21350                 | 2560                    | 21.92               | 22.00               | 1.019                  | -0.02            | 0.088                  | 0.090                  |
|          | LTE Band 7_LAT | 20M      | QPSK       | 50RB    | 0Offset   | Bottom Side   | 10mm     | 1           | 21350                 | 2560                    | 21.92               | 22.00               | 1.019                  | -0.04            | 0.823                  | 0.838                  |
|          | LTE Band 7_LAT | 20M      | QPSK       | 50RB    | 0Offset   | Bottom Side   | 10mm     | 1           | 20850                 | 2510                    | 21.77               | 22.00               | 1.054                  | -0.05            | 0.875                  | 0.923                  |
|          | LTE Band 7_LAT | 20M      | QPSK       | 50RB    | 0Offset   | Bottom Side   | 10mm     | 1           | 21100                 | 2535                    | 21.91               | 22.00               | 1.021                  | -0.07            | 0.890                  | 0.909                  |
|          | LTE Band 7_LAT | 20M      | QPSK       | 100RB   | 0Offset   | Bottom Side   | 10mm     | 1           | 21350                 | 2560                    | 21.90               | 22.00               | 1.023                  | -0.04            | 0.820                  | 0.839                  |



**<TDD LTE SAR>**

| Plot No. | Band            | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State | Ch.                           | Freq. (MHz)                     | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------------|----------|------------|---------|-----------|---------------|----------|-------------|-------------------------------|---------------------------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Front         | 10mm     | Full Power  | 41490                         | 2680                            | 20.72               | 21.90               | 1.312                  | 62.9         | 1.006                     | 0.03             | 0.159                  | 0.210                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Back          | 10mm     | Full Power  | 41490                         | 2680                            | 20.72               | 21.90               | 1.312                  | 62.9         | 1.006                     | -0.08            | 0.203                  | 0.268                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Left Side     | 10mm     | Full Power  | 41490                         | 2680                            | 20.72               | 21.90               | 1.312                  | 62.9         | 1.006                     | 0.07             | 0.303                  | 0.400                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Right Side    | 10mm     | Full Power  | 41490                         | 2680                            | 20.72               | 21.90               | 1.312                  | 62.9         | 1.006                     | 0.05             | 0.009                  | 0.012                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Top Side      | 10mm     | Full Power  | 41490                         | 2680                            | 20.72               | 21.90               | 1.312                  | 62.9         | 1.006                     | 0.01             | 0.182                  | 0.240                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Left Side     | 10mm     | Full Power  | 39750                         | 2506                            | 20.63               | 21.90               | 1.340                  | 62.9         | 1.006                     | 0.01             | 0.379                  | 0.511                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Left Side     | 10mm     | Full Power  | 40185                         | 2549.5                          | 20.67               | 21.90               | 1.327                  | 62.9         | 1.006                     | 0.07             | 0.390                  | 0.521                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Left Side     | 10mm     | Full Power  | 40620                         | 2593                            | 20.62               | 21.90               | 1.343                  | 62.9         | 1.006                     | 0.02             | 0.382                  | 0.516                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Left Side     | 10mm     | Full Power  | 41055                         | 2636.5                          | 20.60               | 21.90               | 1.349                  | 62.9         | 1.006                     | 0.06             | 0.322                  | 0.437                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Left Side     | 10mm     | Full Power  | 40185(PCC)<br>+<br>40383(SCC) | 2549.5(PCC)<br>+<br>2569.3(SCC) | 20.52               | 21.90               | 1.374                  | 62.9         | 1.006                     | -0.05            | 0.318                  | 0.440                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Left Side     | 10mm     | Full Power  | 41490                         | 2680                            | 23.20               | 24.40               | 1.318                  | 42.9         | 1.009                     | 0.01             | 0.339                  | 0.451                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Left Side     | 10mm     | Full Power  | 39750                         | 2506                            | 23.09               | 24.40               | 1.352                  | 42.9         | 1.009                     | -0.02            | 0.437                  | 0.596                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Left Side     | 10mm     | Full Power  | 40185                         | 2549.5                          | 22.91               | 24.40               | 1.409                  | 42.9         | 1.009                     | 0.02             | 0.444                  | 0.631                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Left Side     | 10mm     | Full Power  | 40620                         | 2593                            | 23.00               | 24.40               | 1.380                  | 42.9         | 1.009                     | 0.04             | 0.450                  | 0.627                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Left Side     | 10mm     | Full Power  | 41055                         | 2636.5                          | 22.92               | 24.40               | 1.406                  | 42.9         | 1.009                     | -0.05            | 0.394                  | 0.559                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Front         | 10mm     | Full Power  | 41490                         | 2680                            | 19.95               | 20.90               | 1.245                  | 62.9         | 1.006                     | 0.03             | 0.130                  | 0.163                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Back          | 10mm     | Full Power  | 41490                         | 2680                            | 19.95               | 20.90               | 1.245                  | 62.9         | 1.006                     | 0.01             | 0.177                  | 0.222                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Left Side     | 10mm     | Full Power  | 41490                         | 2680                            | 19.95               | 20.90               | 1.245                  | 62.9         | 1.006                     | 0.01             | 0.213                  | 0.267                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Side    | 10mm     | Full Power  | 41490                         | 2680                            | 19.95               | 20.90               | 1.245                  | 62.9         | 1.006                     | 0.01             | 0.005                  | 0.006                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Top Side      | 10mm     | Full Power  | 41490                         | 2680                            | 19.95               | 20.90               | 1.245                  | 62.9         | 1.006                     | 0.08             | 0.146                  | 0.183                  |



| Plot No. | Band            | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State | Ch.                     | Freq. (MHz)               | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------------|----------|------------|---------|-----------|---------------|----------|-------------|-------------------------|---------------------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Front         | 10mm     | Full Power  | 41490                   | 2680                      | 23.29               | 23.80               | 1.125                  | 62.9         | 1.006                     | 0.06             | 0.199                  | 0.225                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Back          | 10mm     | Full Power  | 41490                   | 2680                      | 23.29               | 23.80               | 1.125                  | 62.9         | 1.006                     | -0.01            | 0.437                  | 0.494                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Left Side     | 10mm     | Full Power  | 41490                   | 2680                      | 23.29               | 23.80               | 1.125                  | 62.9         | 1.006                     | 0.02             | 0.062                  | 0.070                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Right Side    | 10mm     | Full Power  | 41490                   | 2680                      | 23.29               | 23.80               | 1.125                  | 62.9         | 1.006                     | -0.02            | 0.041                  | 0.046                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Bottom Side   | 10mm     | Full Power  | 41490                   | 2680                      | 23.29               | 23.80               | 1.125                  | 62.9         | 1.006                     | 0.03             | 0.441                  | 0.499                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Bottom Side   | 10mm     | Full Power  | 39750                   | 2506                      | 22.87               | 23.80               | 1.239                  | 62.9         | 1.006                     | 0.08             | 0.691                  | 0.861                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Bottom Side   | 10mm     | Full Power  | 40185                   | 2549.5                    | 22.89               | 23.80               | 1.233                  | 62.9         | 1.006                     | 0.15             | 0.635                  | 0.788                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Bottom Side   | 10mm     | Full Power  | 40620                   | 2593                      | 22.93               | 23.80               | 1.222                  | 62.9         | 1.006                     | 0.05             | 0.551                  | 0.677                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Bottom Side   | 10mm     | Full Power  | 41055                   | 2636.5                    | 22.95               | 23.80               | 1.216                  | 62.9         | 1.006                     | 0.03             | 0.464                  | 0.568                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Bottom Side   | 10mm     | Full Power  | 39790(PCC) + 39988(SCC) | 2510(PCC) + 2529.8(SCC)   | 22.47               | 23.80               | 1.358                  | 62.9         | 1.006                     | -0.05            | 0.625                  | 0.854                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Bottom Side   | 10mm     | Full Power  | 39750(PCC) + 39948(SCC) | 2506(PCC) + 2525.8(SCC)   | 22.53               | 23.80               | 1.340                  | 62.9         | 1.006                     | 0.14             | 0.613                  | 0.826                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Bottom Side   | 10mm     | Full Power  | 40185(PCC) + 40383(SCC) | 2549.5(PCC) + 2569.3(SCC) | 22.62               | 23.80               | 1.312                  | 62.9         | 1.006                     | 0.05             | 0.584                  | 0.771                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Bottom Side   | 10mm     | Full Power  | 40620(PCC) + 40422(SCC) | 2593(PCC) + 2573.2(SCC)   | 22.81               | 23.80               | 1.256                  | 62.9         | 1.006                     | -0.08            | 0.489                  | 0.618                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Bottom Side   | 10mm     | Full Power  | 41055(PCC) + 40857(SCC) | 2636.5(PCC) + 2616.7(SCC) | 22.56               | 23.80               | 1.330                  | 62.9         | 1.006                     | 0.04             | 0.401                  | 0.537                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Bottom Side   | 10mm     | Full Power  | 41490(PCC)+ 41292(SCC)  | 2680(PCC) + 2660.2(SCC)   | 23.06               | 23.80               | 1.186                  | 62.9         | 1.006                     | 0.03             | 0.396                  | 0.472                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Bottom Side   | 10mm     | Full Power  | 41490                   | 2680                      | 25.61               | 26.30               | 1.172                  | 42.9         | 1.009                     | 0.01             | 0.537                  | 0.635                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Bottom Side   | 10mm     | Full Power  | 39750                   | 2506                      | 25.36               | 26.30               | 1.242                  | 42.9         | 1.009                     | 0.05             | 0.735                  | 0.921                  |
| 43       | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Bottom Side   | 10mm     | Full Power  | 40185                   | 2549.5                    | 25.32               | 26.30               | 1.253                  | 42.9         | 1.009                     | 0.02             | 0.768                  | 0.971                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Bottom Side   | 10mm     | Full Power  | 40620                   | 2593                      | 25.41               | 26.30               | 1.227                  | 42.9         | 1.009                     | 0.04             | 0.700                  | 0.867                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Bottom Side   | 10mm     | Full Power  | 41055                   | 2636.5                    | 25.35               | 26.30               | 1.245                  | 42.9         | 1.009                     | 0.01             | 0.594                  | 0.746                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Front         | 10mm     | Full Power  | 41490                   | 2680                      | 22.30               | 22.80               | 1.122                  | 62.9         | 1.006                     | 0.03             | 0.167                  | 0.189                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Back          | 10mm     | Full Power  | 41490                   | 2680                      | 22.30               | 22.80               | 1.122                  | 62.9         | 1.006                     | 0.07             | 0.327                  | 0.369                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Left Side     | 10mm     | Full Power  | 41490                   | 2680                      | 22.30               | 22.80               | 1.122                  | 62.9         | 1.006                     | 0.01             | 0.053                  | 0.060                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Right Side    | 10mm     | Full Power  | 41490                   | 2680                      | 22.30               | 22.80               | 1.122                  | 62.9         | 1.006                     | 0.05             | 0.041                  | 0.046                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Bottom Side   | 10mm     | Full Power  | 41490                   | 2680                      | 22.30               | 22.80               | 1.122                  | 62.9         | 1.006                     | 0.02             | 0.369                  | 0.417                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 100RB   | 0Offset   | Bottom Side   | 10mm     | Full Power  | 41490                   | 2680                      | 22.21               | 22.80               | 1.146                  | 62.9         | 1.006                     | 0.09             | 0.361                  | 0.416                  |



| Plot No. | Band            | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State | Ch.   | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------------|----------|------------|---------|-----------|---------------|----------|-------------|-------|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
| 44       | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 10mm     | Full Power  | 55830 | 3609        | 23.50               | 24.30               | 1.202                  | 62.9         | 1.006                     | 0.01             | 0.740                  | 0.895                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 10mm     | Full Power  | 55830 | 3609        | 23.50               | 24.30               | 1.202                  | 62.9         | 1.006                     | 0.05             | 0.608                  | 0.735                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Side     | 10mm     | Full Power  | 55830 | 3609        | 23.50               | 24.30               | 1.202                  | 62.9         | 1.006                     | -0.06            | 0.424                  | 0.513                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Side    | 10mm     | Full Power  | 55830 | 3609        | 23.50               | 24.30               | 1.202                  | 62.9         | 1.006                     | 0.01             | 0.088                  | 0.106                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Top Side      | 10mm     | Full Power  | 55830 | 3609        | 23.50               | 24.30               | 1.202                  | 62.9         | 1.006                     | 0.05             | 0.435                  | 0.526                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 10mm     | Full Power  | 55340 | 3560        | 23.47               | 24.30               | 1.211                  | 62.9         | 1.006                     | 0.01             | 0.702                  | 0.855                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 10mm     | Full Power  | 56150 | 3641        | 23.45               | 24.30               | 1.216                  | 62.9         | 1.006                     | 0.08             | 0.716                  | 0.876                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 10mm     | Full Power  | 56640 | 3690        | 23.39               | 24.30               | 1.233                  | 62.9         | 1.006                     | 0.04             | 0.714                  | 0.886                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Front         | 10mm     | Full Power  | 55830 | 3609        | 23.01               | 23.30               | 1.069                  | 62.9         | 1.006                     | 0.01             | 0.646                  | 0.695                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Back          | 10mm     | Full Power  | 55830 | 3609        | 23.01               | 23.30               | 1.069                  | 62.9         | 1.006                     | 0.07             | 0.507                  | 0.545                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Left Side     | 10mm     | Full Power  | 55830 | 3609        | 23.01               | 23.30               | 1.069                  | 62.9         | 1.006                     | 0.06             | 0.350                  | 0.376                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Side    | 10mm     | Full Power  | 55830 | 3609        | 23.01               | 23.30               | 1.069                  | 62.9         | 1.006                     | -0.03            | 0.070                  | 0.075                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Top Side      | 10mm     | Full Power  | 55830 | 3609        | 23.01               | 23.30               | 1.069                  | 62.9         | 1.006                     | 0.03             | 0.353                  | 0.380                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 100RB   | 0Offset   | Front         | 10mm     | Full Power  | 55830 | 3609        | 22.86               | 23.30               | 1.107                  | 62.9         | 1.006                     | 0.02             | 0.603                  | 0.671                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 10mm     | 3 with 5GHz | 55830 | 3609        | 19.78               | 20.30               | 1.127                  | 62.9         | 1.006                     | -0.05            | 0.316                  | 0.358                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 10mm     | 3 with 5GHz | 55830 | 3609        | 19.78               | 20.30               | 1.127                  | 62.9         | 1.006                     | 0.02             | 0.258                  | 0.293                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Left Side     | 10mm     | 3 with 5GHz | 55830 | 3609        | 19.78               | 20.30               | 1.127                  | 62.9         | 1.006                     | 0.06             | 0.253                  | 0.287                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Right Side    | 10mm     | 3 with 5GHz | 55830 | 3609        | 19.78               | 20.30               | 1.127                  | 62.9         | 1.006                     | 0.08             | 0.087                  | 0.099                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Top Side      | 10mm     | 3 with 5GHz | 55830 | 3609        | 19.78               | 20.30               | 1.127                  | 62.9         | 1.006                     | -0.07            | 0.194                  | 0.220                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 10mm     | 3 with 5GHz | 55340 | 3560        | 19.49               | 20.30               | 1.205                  | 62.9         | 1.006                     | 0.08             | 0.297                  | 0.360                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 10mm     | 3 with 5GHz | 56150 | 3641        | 19.63               | 20.30               | 1.167                  | 62.9         | 1.006                     | 0.03             | 0.320                  | 0.376                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 10mm     | 3 with 5GHz | 56640 | 3690        | 19.68               | 20.30               | 1.153                  | 62.9         | 1.006                     | 0.08             | 0.326                  | 0.378                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Front         | 10mm     | 3 with 5GHz | 55830 | 3609        | 19.76               | 20.30               | 1.132                  | 62.9         | 1.006                     | 0.09             | 0.305                  | 0.347                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Back          | 10mm     | 3 with 5GHz | 55830 | 3609        | 19.76               | 20.30               | 1.132                  | 62.9         | 1.006                     | -0.05            | 0.251                  | 0.286                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Left Side     | 10mm     | 3 with 5GHz | 55830 | 3609        | 19.76               | 20.30               | 1.132                  | 62.9         | 1.006                     | 0.03             | 0.249                  | 0.284                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Right Side    | 10mm     | 3 with 5GHz | 55830 | 3609        | 19.76               | 20.30               | 1.132                  | 62.9         | 1.006                     | 0.05             | 0.085                  | 0.097                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Top Side      | 10mm     | 3 with 5GHz | 55830 | 3609        | 19.76               | 20.30               | 1.132                  | 62.9         | 1.006                     | 0.07             | 0.180                  | 0.205                  |

**<WLAN SAR>**

| Plot No. | Band       | Mode          | Test Position | Gap (mm) | Antenna | Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|------------|---------------|---------------|----------|---------|-------------|-----|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
|          | WLAN2.4GHz | 802.11b 1Mbps | Front         | 10mm     | Ant 1+2 | Full Power  | 1   | 2412        | 22.07               | 23.07               | 1.259                  | 99.24        | 1.008                     | 0.15             | 0.221                  | 0.280                  |
|          | WLAN2.4GHz | 802.11b 1Mbps | Back          | 10mm     | Ant 1+2 | Full Power  | 1   | 2412        | 22.07               | 23.07               | 1.259                  | 99.24        | 1.008                     | -0.04            | 0.300                  | 0.381                  |
|          | WLAN2.4GHz | 802.11b 1Mbps | Left Side     | 10mm     | Ant 1+2 | Full Power  | 1   | 2412        | 22.07               | 23.07               | 1.259                  | 99.24        | 1.008                     | 0.06             | 0.010                  | 0.013                  |
|          | WLAN2.4GHz | 802.11b 1Mbps | Right Side    | 10mm     | Ant 1+2 | Full Power  | 1   | 2412        | 22.07               | 23.07               | 1.259                  | 99.24        | 1.008                     | 0.08             | 0.152                  | 0.193                  |
|          | WLAN2.4GHz | 802.11b 1Mbps | Top Side      | 10mm     | Ant 1+2 | Full Power  | 1   | 2412        | 22.07               | 23.07               | 1.259                  | 99.24        | 1.008                     | -0.1             | 0.159                  | 0.202                  |
|          | WLAN2.4GHz | 802.11b 1Mbps | Back          | 10mm     | Ant 1+2 | Full Power  | 6   | 2437        | 21.87               | 23.07               | 1.318                  | 99.24        | 1.008                     | 0.07             | 0.312                  | 0.415                  |
| 45       | WLAN2.4GHz | 802.11b 1Mbps | Back          | 10mm     | Ant 1+2 | Full Power  | 11  | 2462        | 21.41               | 23.07               | 1.466                  | 99.24        | 1.008                     | 0.08             | 0.320                  | 0.473                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Front         | 10mm     | Ant 1+2 | 1           | 44  | 5220        | 17.86               | 18.00               | 1.033                  | 97.86        | 1.022                     | -0.06            | 0.034                  | 0.036                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Back          | 10mm     | Ant 1+2 | 1           | 44  | 5220        | 17.86               | 18.00               | 1.033                  | 97.86        | 1.022                     | 0.05             | 0.673                  | 0.710                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Left Side     | 10mm     | Ant 1+2 | 1           | 44  | 5220        | 17.86               | 18.00               | 1.033                  | 97.86        | 1.022                     | 0.12             | 0.062                  | 0.065                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Right Side    | 10mm     | Ant 1+2 | 1           | 44  | 5220        | 17.86               | 18.00               | 1.033                  | 97.86        | 1.022                     | -0.18            | 0.192                  | 0.203                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Top Side      | 10mm     | Ant 1+2 | 1           | 44  | 5220        | 17.86               | 18.00               | 1.033                  | 97.86        | 1.022                     | 0.02             | 0.038                  | 0.040                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Back          | 10mm     | Ant 1+2 | 1           | 36  | 5180        | 17.70               | 18.00               | 1.072                  | 97.86        | 1.022                     | 0.03             | 0.556                  | 0.609                  |
| 46       | WLAN5GHz   | 802.11a 6Mbps | Back          | 10mm     | Ant 1+2 | 1           | 40  | 5200        | 17.63               | 18.00               | 1.089                  | 97.86        | 1.022                     | 0.03             | 0.972                  | 1.082                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Back          | 10mm     | Ant 1+2 | 1           | 40  | 5200        | 17.63               | 18.00               | 1.089                  | 97.86        | 1.022                     | 0.06             | 0.964                  | 1.073                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Back          | 10mm     | Ant 1+2 | 1           | 48  | 5240        | 17.86               | 18.00               | 1.033                  | 97.86        | 1.022                     | 0.08             | 0.737                  | 0.778                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Front         | 10mm     | Ant 1+2 | Full Power  | 165 | 5825        | 20.39               | 21.39               | 1.260                  | 97.86        | 1.022                     | 0.05             | 0.053                  | 0.069                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Back          | 10mm     | Ant 1+2 | Full Power  | 165 | 5825        | 20.39               | 21.39               | 1.260                  | 97.86        | 1.022                     | 0.06             | 0.684                  | 0.881                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Left Side     | 10mm     | Ant 1+2 | Full Power  | 165 | 5825        | 20.39               | 21.39               | 1.260                  | 97.86        | 1.022                     | 0.09             | 0.002                  | 0.003                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Right Side    | 10mm     | Ant 1+2 | Full Power  | 165 | 5825        | 20.39               | 21.39               | 1.260                  | 97.86        | 1.022                     | 0.02             | 0.514                  | 0.662                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Top Side      | 10mm     | Ant 1+2 | Full Power  | 165 | 5825        | 20.39               | 21.39               | 1.260                  | 97.86        | 1.022                     | 0.04             | 0.239                  | 0.308                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Back          | 10mm     | Ant 1+2 | Full Power  | 149 | 5745        | 20.31               | 21.39               | 1.282                  | 97.86        | 1.022                     | 0.01             | 0.608                  | 0.797                  |
| 47       | WLAN5GHz   | 802.11a 6Mbps | Back          | 10mm     | Ant 1+2 | Full Power  | 157 | 5785        | 20.27               | 21.39               | 1.293                  | 97.86        | 1.022                     | 0.09             | 0.673                  | 0.889                  |

**<Bluetooth SAR>**

| Plot No. | Band      | Mode      | Test Position | Gap (mm) | Antenna | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------|-----------|---------------|----------|---------|-----|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
|          | Bluetooth | DH5 1Mbps | Front         | 10mm     | Ant 1   | 39  | 2441        | 14.30               | 15.40               | 1.288                  | 76.8         | 1.085                     | 0.05             | 0.025                  | 0.036                  |
| 48       | Bluetooth | DH5 1Mbps | Back          | 10mm     | Ant 1   | 39  | 2441        | 14.30               | 15.40               | 1.288                  | 76.8         | 1.085                     | -0.04            | 0.030                  | 0.042                  |
|          | Bluetooth | DH5 1Mbps | Left Side     | 10mm     | Ant 1   | 39  | 2441        | 14.30               | 15.40               | 1.288                  | 76.8         | 1.085                     | 0.02             | 0.004                  | 0.006                  |
|          | Bluetooth | DH5 1Mbps | Right Side    | 10mm     | Ant 1   | 39  | 2441        | 14.30               | 15.40               | 1.288                  | 76.8         | 1.085                     | 0.01             | 0.013                  | 0.018                  |
|          | Bluetooth | DH5 1Mbps | Top Side      | 10mm     | Ant 1   | 39  | 2441        | 14.30               | 15.40               | 1.288                  | 76.8         | 1.085                     | 0.08             | 0.016                  | 0.022                  |
|          | Bluetooth | DH5 1Mbps | Back          | 10mm     | Ant 1   | 0   | 2402        | 12.80               | 13.00               | 1.047                  | 76.8         | 1.085                     | 0.04             | 0.029                  | 0.033                  |
|          | Bluetooth | DH5 1Mbps | Back          | 10mm     | Ant 1   | 78  | 2480        | 12.20               | 13.00               | 1.202                  | 76.8         | 1.085                     | -0.02            | 0.031                  | 0.040                  |

### 13.3 Body Worn Accessory SAR

#### <GSM SAR>

| Plot No. | Band        | Mode             | Test Position | Gap (mm) | Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-------------|------------------|---------------|----------|-------------|-----|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
|          | GSM850_UAT  | GPRS(4 Tx slots) | Front         | 15mm     | Full Power  | 128 | 824.2       | 27.76               | 28.55               | 1.199                  | -0.12            | 0.327                  | 0.392                  |
|          | GSM850_UAT  | GPRS(4 Tx slots) | Back          | 15mm     | Full Power  | 128 | 824.2       | 27.76               | 28.55               | 1.199                  | -0.01            | 0.449                  | 0.539                  |
|          | GSM850_UAT  | GPRS(4 Tx slots) | Back          | 15mm     | Full Power  | 189 | 836.4       | 27.73               | 28.55               | 1.208                  | -0.01            | 0.463                  | 0.559                  |
| 49       | GSM850_UAT  | GPRS(4 Tx slots) | Back          | 15mm     | Full Power  | 251 | 848.8       | 27.66               | 28.55               | 1.227                  | -0.05            | 0.457                  | 0.561                  |
|          | GSM850_LAT  | GPRS(4 Tx slots) | Front         | 15mm     | Full Power  | 189 | 836.4       | 27.02               | 27.85               | 1.211                  | 0.1              | 0.150                  | 0.182                  |
|          | GSM850_LAT  | GPRS(4 Tx slots) | Back          | 15mm     | Full Power  | 189 | 836.4       | 27.02               | 27.85               | 1.211                  | -0.06            | 0.142                  | 0.172                  |
|          | GSM850_LAT  | GPRS(4 Tx slots) | Front         | 15mm     | Full Power  | 128 | 824.2       | 27.00               | 27.85               | 1.216                  | -0.02            | 0.157                  | 0.191                  |
|          | GSM850_LAT  | GPRS(4 Tx slots) | Front         | 15mm     | Full Power  | 251 | 848.8       | 26.92               | 27.85               | 1.239                  | -0.01            | 0.171                  | 0.212                  |
|          | GSM1900_UAT | GPRS(3 Tx slots) | Front         | 15mm     | Full Power  | 512 | 1850.2      | 24.56               | 25.70               | 1.300                  | -0.09            | 0.137                  | 0.178                  |
|          | GSM1900_UAT | GPRS(3 Tx slots) | Back          | 15mm     | Full Power  | 512 | 1850.2      | 24.56               | 25.70               | 1.300                  | -0.05            | 0.159                  | 0.207                  |
|          | GSM1900_UAT | GPRS(3 Tx slots) | Back          | 15mm     | Full Power  | 661 | 1880        | 24.55               | 25.70               | 1.303                  | -0.06            | 0.156                  | 0.203                  |
|          | GSM1900_UAT | GPRS(3 Tx slots) | Back          | 15mm     | Full Power  | 810 | 1909.8      | 24.47               | 25.70               | 1.327                  | 0.05             | 0.124                  | 0.165                  |
|          | GSM1900_LAT | GPRS(3 Tx slots) | Front         | 15mm     | Full Power  | 512 | 1850.2      | 25.88               | 26.80               | 1.236                  | -0.07            | 0.118                  | 0.146                  |
|          | GSM1900_LAT | GPRS(3 Tx slots) | Back          | 15mm     | Full Power  | 512 | 1850.2      | 25.88               | 26.80               | 1.236                  | -0.04            | 0.133                  | 0.164                  |
| 50       | GSM1900_LAT | GPRS(3 Tx slots) | Back          | 15mm     | Full Power  | 661 | 1880        | 25.77               | 26.80               | 1.268                  | -0.09            | 0.224                  | 0.284                  |
|          | GSM1900_LAT | GPRS(3 Tx slots) | Back          | 15mm     | Full Power  | 810 | 1909.8      | 25.69               | 26.80               | 1.291                  | -0.04            | 0.211                  | 0.272                  |

#### <WCDMA SAR>

| Plot No. | Band         | Mode         | Test Position | Gap (mm) | Power State | Ch.  | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|--------------|--------------|---------------|----------|-------------|------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
|          | WCDMA V_UAT  | RMC 12.2Kbps | Front         | 15mm     | Full Power  | 4182 | 836.4       | 24.04               | 24.80               | 1.191                  | 0.02             | 0.167                  | 0.199                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Back          | 15mm     | Full Power  | 4182 | 836.4       | 24.04               | 24.80               | 1.191                  | -0.16            | 0.148                  | 0.176                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Front         | 15mm     | Full Power  | 4132 | 826.4       | 23.99               | 24.80               | 1.205                  | -0.1             | 0.179                  | 0.216                  |
|          | WCDMA V_UAT  | RMC 12.2Kbps | Front         | 15mm     | Full Power  | 4233 | 846.6       | 24.01               | 24.80               | 1.199                  | -0.02            | 0.184                  | 0.221                  |
|          | WCDMA V_LAT  | RMC 12.2Kbps | Front         | 15mm     | Full Power  | 4182 | 836.4       | 23.60               | 24.20               | 1.148                  | -0.02            | 0.287                  | 0.330                  |
|          | WCDMA V_LAT  | RMC 12.2Kbps | Back          | 15mm     | Full Power  | 4182 | 836.4       | 23.60               | 24.20               | 1.148                  | 0.08             | 0.420                  | 0.482                  |
| 51       | WCDMA V_LAT  | RMC 12.2Kbps | Back          | 15mm     | Full Power  | 4132 | 826.4       | 23.52               | 24.20               | 1.169                  | -0.05            | 0.448                  | 0.524                  |
|          | WCDMA V_LAT  | RMC 12.2Kbps | Back          | 15mm     | Full Power  | 4233 | 846.6       | 23.59               | 24.20               | 1.151                  | 0.01             | 0.448                  | 0.516                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Front         | 15mm     | Full Power  | 1413 | 1732.6      | 22.73               | 23.60               | 1.222                  | 0.01             | 0.239                  | 0.292                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Back          | 15mm     | Full Power  | 1413 | 1732.6      | 22.73               | 23.60               | 1.222                  | -0.02            | 0.282                  | 0.345                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Back          | 15mm     | Full Power  | 1312 | 1712.4      | 22.52               | 23.60               | 1.282                  | 0.05             | 0.258                  | 0.331                  |
|          | WCDMA IV_UAT | RMC 12.2Kbps | Back          | 15mm     | Full Power  | 1513 | 1752.6      | 22.67               | 23.60               | 1.239                  | 0.1              | 0.305                  | 0.378                  |
|          | WCDMA IV_LAT | RMC 12.2Kbps | Front         | 15mm     | Full Power  | 1413 | 1732.6      | 24.05               | 24.80               | 1.189                  | -0.05            | 0.312                  | 0.371                  |
|          | WCDMA IV_LAT | RMC 12.2Kbps | Back          | 15mm     | Full Power  | 1413 | 1732.6      | 24.05               | 24.80               | 1.189                  | -0.01            | 0.361                  | 0.429                  |
| 52       | WCDMA IV_LAT | RMC 12.2Kbps | Back          | 15mm     | Full Power  | 1312 | 1712.4      | 23.83               | 24.80               | 1.250                  | 0.07             | 0.406                  | 0.508                  |
|          | WCDMA IV_LAT | RMC 12.2Kbps | Back          | 15mm     | Full Power  | 1513 | 1752.6      | 24.03               | 24.80               | 1.194                  | -0.09            | 0.352                  | 0.420                  |
|          | WCDMA II_UAT | RMC 12.2Kbps | Front         | 15mm     | Full Power  | 9400 | 1880        | 22.95               | 23.30               | 1.084                  | -0.02            | 0.273                  | 0.296                  |
|          | WCDMA II_UAT | RMC 12.2Kbps | Back          | 15mm     | Full Power  | 9400 | 1880        | 22.95               | 23.30               | 1.084                  | 0.03             | 0.310                  | 0.336                  |
|          | WCDMA II_UAT | RMC 12.2Kbps | Back          | 15mm     | Full Power  | 9262 | 1852.4      | 22.63               | 23.30               | 1.167                  | -0.09            | 0.385                  | 0.449                  |
|          | WCDMA II_UAT | RMC 12.2Kbps | Back          | 15mm     | Full Power  | 9538 | 1907.6      | 22.83               | 23.30               | 1.114                  | 0.01             | 0.386                  | 0.430                  |
|          | WCDMA II_LAT | RMC 12.2Kbps | Front         | 15mm     | Full Power  | 9400 | 1880        | 24.21               | 24.80               | 1.146                  | -0.02            | 0.449                  | 0.514                  |
|          | WCDMA II_LAT | RMC 12.2Kbps | Back          | 15mm     | Full Power  | 9400 | 1880        | 24.21               | 24.80               | 1.146                  | -0.06            | 0.498                  | 0.570                  |
| 53       | WCDMA II_LAT | RMC 12.2Kbps | Back          | 15mm     | Full Power  | 9262 | 1852.4      | 24.05               | 24.80               | 1.189                  | -0.08            | 0.492                  | 0.585                  |
|          | WCDMA II_LAT | RMC 12.2Kbps | Back          | 15mm     | Full Power  | 9538 | 1907.6      | 24.16               | 24.80               | 1.159                  | 0.1              | 0.465                  | 0.539                  |



## &lt;CDMA SAR&gt;

| Plot No. | Band             | Mode             | Test Position | Gap (mm) | Power State | Ch.  | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|------------------|------------------|---------------|----------|-------------|------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
|          | CDMA2000 BC0_UAT | RC3 SO32 (F+SCH) | Front         | 15mm     | Full Power  | 777  | 848.31      | 23.91               | 24.80               | 1.227                  | -0.05            | 0.300                  | 0.368                  |
|          | CDMA2000 BC0_UAT | RC3 SO32 (F+SCH) | Back          | 15mm     | Full Power  | 777  | 848.31      | 23.91               | 24.80               | 1.227                  | 0.01             | 0.518                  | 0.636                  |
|          | CDMA2000 BC0_UAT | RC3 SO32 (F+SCH) | Back          | 15mm     | Full Power  | 1013 | 824.7       | 23.87               | 24.80               | 1.239                  | 0.06             | 0.522                  | 0.647                  |
| 54       | CDMA2000 BC0_UAT | RC3 SO32 (F+SCH) | Back          | 15mm     | Full Power  | 384  | 836.52      | 23.90               | 24.80               | 1.230                  | -0.07            | 0.527                  | 0.648                  |
|          | CDMA2000 BC0_LAT | RC3 SO32 (F+SCH) | Front         | 15mm     | Full Power  | 777  | 848.31      | 23.54               | 24.10               | 1.138                  | 0.05             | 0.170                  | 0.193                  |
|          | CDMA2000 BC0_LAT | RC3 SO32 (F+SCH) | Back          | 15mm     | Full Power  | 777  | 848.31      | 23.54               | 24.10               | 1.138                  | -0.04            | 0.171                  | 0.195                  |
|          | CDMA2000 BC0_LAT | RC3 SO32 (F+SCH) | Back          | 15mm     | Full Power  | 1013 | 824.7       | 23.43               | 24.10               | 1.167                  | -0.01            | 0.187                  | 0.218                  |
|          | CDMA2000 BC0_LAT | RC3 SO32 (F+SCH) | Back          | 15mm     | Full Power  | 384  | 836.52      | 23.49               | 24.10               | 1.151                  | -0.03            | 0.174                  | 0.200                  |
|          | CDMA2000 BC1_UAT | RC3 SO32 (F+SCH) | Front         | 15mm     | Full Power  | 600  | 1880        | 22.69               | 23.30               | 1.151                  | -0.02            | 0.250                  | 0.288                  |
|          | CDMA2000 BC1_UAT | RC3 SO32 (F+SCH) | Back          | 15mm     | Full Power  | 600  | 1880        | 22.69               | 23.30               | 1.151                  | 0.08             | 0.135                  | 0.155                  |
|          | CDMA2000 BC1_UAT | RC3 SO32 (F+SCH) | Front         | 15mm     | Full Power  | 25   | 1851.25     | 22.52               | 23.30               | 1.197                  | -0.02            | 0.214                  | 0.256                  |
|          | CDMA2000 BC1_UAT | RC3 SO32 (F+SCH) | Front         | 15mm     | Full Power  | 1175 | 1908.75     | 22.63               | 23.30               | 1.167                  | 0.03             | 0.263                  | 0.307                  |
|          | CDMA2000 BC1_LAT | RC3 SO32 (F+SCH) | Front         | 15mm     | Full Power  | 600  | 1880        | 23.96               | 24.80               | 1.213                  | -0.05            | 0.439                  | 0.533                  |
| 55       | CDMA2000 BC1_LAT | RC3 SO32 (F+SCH) | Back          | 15mm     | Full Power  | 600  | 1880        | 23.96               | 24.80               | 1.213                  | -0.05            | 0.463                  | 0.562                  |
|          | CDMA2000 BC1_LAT | RC3 SO32 (F+SCH) | Back          | 15mm     | Full Power  | 25   | 1851.25     | 23.81               | 24.80               | 1.256                  | -0.08            | 0.410                  | 0.515                  |
|          | CDMA2000 BC1_LAT | RC3 SO32 (F+SCH) | Back          | 15mm     | Full Power  | 1175 | 1908.75     | 23.92               | 24.80               | 1.225                  | -0.06            | 0.392                  | 0.480                  |

## &lt;FDD LTE SAR&gt;

| Plot No. | Band            | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State | Ch.    | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------------|----------|------------|---------|-----------|---------------|----------|-------------|--------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
|          | LTE Band 71_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 15mm     | Full Power  | 133322 | 683         | 23.69               | 24.30               | 1.151                  | 0.04             | 0.204                  | 0.235                  |
| 56       | LTE Band 71_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 133322 | 683         | 23.69               | 24.30               | 1.151                  | 0.03             | 0.314                  | 0.361                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Front         | 15mm     | Full Power  | 133322 | 683         | 22.85               | 23.30               | 1.109                  | 0.06             | 0.203                  | 0.225                  |
|          | LTE Band 71_UAT | 20M      | QPSK       | 50RB    | 50Offset  | Back          | 15mm     | Full Power  | 133322 | 683         | 22.85               | 23.30               | 1.109                  | 0.03             | 0.314                  | 0.348                  |
|          | LTE Band 71_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 15mm     | Full Power  | 133322 | 683         | 23.43               | 23.80               | 1.089                  | -0.04            | 0.122                  | 0.133                  |
|          | LTE Band 71_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 133322 | 683         | 23.43               | 23.80               | 1.089                  | -0.05            | 0.151                  | 0.164                  |
|          | LTE Band 71_LAT | 20M      | QPSK       | 50RB    | 50Offset  | Front         | 15mm     | Full Power  | 133322 | 683         | 22.46               | 22.80               | 1.081                  | 0.06             | 0.122                  | 0.132                  |
|          | LTE Band 71_LAT | 20M      | QPSK       | 50RB    | 50Offset  | Back          | 15mm     | Full Power  | 133322 | 683         | 22.46               | 22.80               | 1.081                  | -0.01            | 0.150                  | 0.162                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 1RB     | 49Offset  | Front         | 15mm     | Full Power  | 23095  | 707.5       | 23.42               | 24.30               | 1.225                  | 0.1              | 0.265                  | 0.325                  |
| 57       | LTE Band 12_UAT | 10M      | QPSK       | 1RB     | 49Offset  | Back          | 15mm     | Full Power  | 23095  | 707.5       | 23.42               | 24.30               | 1.225                  | -0.02            | 0.434                  | 0.531                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 25RB    | 25Offset  | Front         | 15mm     | Full Power  | 23095  | 707.5       | 22.47               | 23.30               | 1.211                  | 0.05             | 0.212                  | 0.257                  |
|          | LTE Band 12_UAT | 10M      | QPSK       | 25RB    | 25Offset  | Back          | 15mm     | Full Power  | 23095  | 707.5       | 22.47               | 23.30               | 1.211                  | 0.04             | 0.352                  | 0.426                  |
|          | LTE Band 12_LAT | 10M      | QPSK       | 1RB     | 49Offset  | Front         | 15mm     | Full Power  | 23095  | 707.5       | 23.01               | 23.80               | 1.199                  | 0.13             | 0.155                  | 0.186                  |
|          | LTE Band 12_LAT | 10M      | QPSK       | 1RB     | 49Offset  | Back          | 15mm     | Full Power  | 23095  | 707.5       | 23.01               | 23.80               | 1.199                  | 0.08             | 0.198                  | 0.238                  |
|          | LTE Band 12_LAT | 10M      | QPSK       | 25RB    | 25Offset  | Front         | 15mm     | Full Power  | 23095  | 707.5       | 22.13               | 22.80               | 1.167                  | 0.06             | 0.130                  | 0.152                  |
|          | LTE Band 12_LAT | 10M      | QPSK       | 25RB    | 25Offset  | Back          | 15mm     | Full Power  | 23095  | 707.5       | 22.13               | 22.80               | 1.167                  | -0.09            | 0.164                  | 0.191                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 1RB     | 25Offset  | Front         | 15mm     | Full Power  | 23230  | 782         | 22.59               | 23.80               | 1.321                  | 0.05             | 0.337                  | 0.445                  |
| 58       | LTE Band 13_UAT | 10M      | QPSK       | 1RB     | 25Offset  | Back          | 15mm     | Full Power  | 23230  | 782         | 22.59               | 23.80               | 1.321                  | -0.07            | 0.471                  | 0.622                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Front         | 15mm     | Full Power  | 23230  | 782         | 21.73               | 22.80               | 1.279                  | 0.06             | 0.278                  | 0.356                  |
|          | LTE Band 13_UAT | 10M      | QPSK       | 25RB    | 12Offset  | Back          | 15mm     | Full Power  | 23230  | 782         | 21.73               | 22.80               | 1.279                  | -0.08            | 0.422                  | 0.540                  |
|          | LTE Band 13_LAT | 10M      | QPSK       | 1RB     | 25Offset  | Front         | 15mm     | Full Power  | 23230  | 782         | 22.06               | 23.30               | 1.330                  | 0.01             | 0.159                  | 0.212                  |
|          | LTE Band 13_LAT | 10M      | QPSK       | 1RB     | 25Offset  | Back          | 15mm     | Full Power  | 23230  | 782         | 22.06               | 23.30               | 1.330                  | -0.1             | 0.184                  | 0.245                  |
|          | LTE Band 13_LAT | 10M      | QPSK       | 25RB    | 12Offset  | Front         | 15mm     | Full Power  | 23230  | 782         | 21.24               | 22.30               | 1.276                  | 0.05             | 0.141                  | 0.180                  |
|          | LTE Band 13_LAT | 10M      | QPSK       | 25RB    | 12Offset  | Back          | 15mm     | Full Power  | 23230  | 782         | 21.24               | 22.30               | 1.276                  | 0.13             | 0.152                  | 0.194                  |



| Plot No. | Band            | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State | Ch.    | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------------|----------|------------|---------|-----------|---------------|----------|-------------|--------|-------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
| 59       | LTE Band 5_UAT  | 10M      | QPSK       | 1RB     | 0Offset   | Front         | 15mm     | Full Power  | 20525  | 836.5       | 22.80               | 23.80               | 1.259                  | 0.05             | 0.305                  | 0.384                  |
|          | LTE Band 5_UAT  | 10M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 20525  | 836.5       | 22.80               | 23.80               | 1.259                  | -0.07            | 0.479                  | 0.603                  |
|          | LTE Band 5_UAT  | 10M      | QPSK       | 25RB    | 12Offset  | Front         | 15mm     | Full Power  | 20525  | 836.5       | 21.86               | 22.80               | 1.242                  | -0.03            | 0.248                  | 0.308                  |
|          | LTE Band 5_UAT  | 10M      | QPSK       | 25RB    | 12Offset  | Back          | 15mm     | Full Power  | 20525  | 836.5       | 21.86               | 22.80               | 1.242                  | -0.02            | 0.394                  | 0.489                  |
|          | LTE Band 5_LAT  | 10M      | QPSK       | 1RB     | 0Offset   | Front         | 15mm     | Full Power  | 20525  | 836.5       | 22.45               | 23.20               | 1.189                  | 0.11             | 0.167                  | 0.198                  |
|          | LTE Band 5_LAT  | 10M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 20525  | 836.5       | 22.45               | 23.20               | 1.189                  | -0.06            | 0.159                  | 0.189                  |
|          | LTE Band 5_LAT  | 10M      | QPSK       | 25RB    | 12Offset  | Front         | 15mm     | Full Power  | 20525  | 836.5       | 21.46               | 22.20               | 1.186                  | 0.05             | 0.135                  | 0.160                  |
|          | LTE Band 5_LAT  | 10M      | QPSK       | 25RB    | 12Offset  | Back          | 15mm     | Full Power  | 20525  | 836.5       | 21.46               | 22.20               | 1.186                  | 0.01             | 0.119                  | 0.141                  |
| 60       | LTE Band 26_UAT | 15M      | QPSK       | 1RB     | 0Offset   | Front         | 15mm     | Full Power  | 26865  | 831.5       | 22.85               | 23.80               | 1.245                  | -0.07            | 0.261                  | 0.325                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 26865  | 831.5       | 22.85               | 23.80               | 1.245                  | 0.05             | 0.379                  | 0.472                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 26765  | 821.5       | 22.70               | 23.80               | 1.288                  | -0.03            | 0.393                  | 0.506                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 26965  | 841.5       | 22.70               | 23.80               | 1.288                  | 0.08             | 0.405                  | 0.522                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 36RB    | 20Offset  | Front         | 15mm     | Full Power  | 26865  | 831.5       | 21.92               | 22.80               | 1.225                  | -0.04            | 0.208                  | 0.255                  |
|          | LTE Band 26_UAT | 15M      | QPSK       | 36RB    | 20Offset  | Back          | 15mm     | Full Power  | 26865  | 831.5       | 21.92               | 22.80               | 1.225                  | 0.05             | 0.306                  | 0.375                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 1RB     | 0Offset   | Front         | 15mm     | Full Power  | 26865  | 831.5       | 22.45               | 23.20               | 1.189                  | 0.01             | 0.141                  | 0.168                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 26865  | 831.5       | 22.45               | 23.20               | 1.189                  | 0.05             | 0.086                  | 0.102                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 1RB     | 0Offset   | Front         | 15mm     | Full Power  | 26765  | 821.5       | 22.31               | 23.20               | 1.227                  | 0.03             | 0.148                  | 0.182                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 1RB     | 0Offset   | Front         | 15mm     | Full Power  | 26965  | 841.5       | 22.44               | 23.20               | 1.191                  | 0.17             | 0.141                  | 0.168                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 36RB    | 20Offset  | Front         | 15mm     | Full Power  | 26865  | 831.5       | 21.51               | 22.20               | 1.172                  | 0.13             | 0.110                  | 0.129                  |
|          | LTE Band 26_LAT | 15M      | QPSK       | 36RB    | 20Offset  | Back          | 15mm     | Full Power  | 26865  | 831.5       | 21.51               | 22.20               | 1.172                  | -0.16            | 0.094                  | 0.110                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 15mm     | Full Power  | 132322 | 1745        | 22.39               | 23.10               | 1.178                  | 0.05             | 0.225                  | 0.265                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 132322 | 1745        | 22.39               | 23.10               | 1.178                  | 0.02             | 0.245                  | 0.289                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 132072 | 1720        | 22.13               | 23.10               | 1.250                  | 0.03             | 0.240                  | 0.300                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 132572 | 1770        | 22.25               | 23.10               | 1.216                  | -0.08            | 0.255                  | 0.310                  |
| 61       | LTE Band 66_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Front         | 15mm     | Full Power  | 132322 | 1745        | 21.46               | 22.10               | 1.159                  | 0.01             | 0.198                  | 0.229                  |
|          | LTE Band 66_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Back          | 15mm     | Full Power  | 132322 | 1745        | 21.46               | 22.10               | 1.159                  | 0.05             | 0.242                  | 0.280                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 15mm     | Full Power  | 132322 | 1745        | 23.73               | 24.30               | 1.140                  | 0.01             | 0.385                  | 0.439                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 132322 | 1745        | 23.73               | 24.30               | 1.140                  | -0.09            | 0.417                  | 0.475                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 132072 | 1720        | 23.59               | 24.30               | 1.178                  | -0.05            | 0.359                  | 0.423                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 132572 | 1770        | 23.64               | 24.30               | 1.164                  | 0.01             | 0.338                  | 0.393                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 50RB    | 0Offset   | Front         | 15mm     | Full Power  | 132322 | 1745        | 22.81               | 23.30               | 1.119                  | -0.06            | 0.330                  | 0.369                  |
|          | LTE Band 66_LAT | 20M      | QPSK       | 50RB    | 0Offset   | Back          | 15mm     | Full Power  | 132322 | 1745        | 22.81               | 23.30               | 1.119                  | -0.02            | 0.342                  | 0.383                  |
| 62       | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 15mm     | Full Power  | 26340  | 1880        | 21.86               | 22.70               | 1.213                  | -0.05            | 0.229                  | 0.278                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 26340  | 1880        | 21.86               | 22.70               | 1.213                  | -0.04            | 0.265                  | 0.322                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 26140  | 1860        | 21.78               | 22.70               | 1.236                  | 0.01             | 0.252                  | 0.311                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 26590  | 1905        | 21.73               | 22.70               | 1.250                  | -0.04            | 0.265                  | 0.331                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Front         | 15mm     | Full Power  | 26340  | 1880        | 20.90               | 21.70               | 1.202                  | -0.09            | 0.182                  | 0.219                  |
|          | LTE Band 25_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Back          | 15mm     | Full Power  | 26340  | 1880        | 20.90               | 21.70               | 1.202                  | -0.04            | 0.215                  | 0.258                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 15mm     | Full Power  | 26340  | 1880        | 23.18               | 23.80               | 1.153                  | -0.01            | 0.362                  | 0.418                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 26340  | 1880        | 23.18               | 23.80               | 1.153                  | -0.03            | 0.407                  | 0.469                  |
| 62       | LTE Band 25_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 26140  | 1860        | 23.09               | 23.80               | 1.178                  | -0.17            | 0.401                  | 0.472                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 26590  | 1905        | 23.10               | 23.80               | 1.175                  | -0.02            | 0.387                  | 0.455                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Front         | 15mm     | Full Power  | 26340  | 1880        | 22.26               | 22.80               | 1.132                  | 0.01             | 0.292                  | 0.331                  |
|          | LTE Band 25_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Back          | 15mm     | Full Power  | 26340  | 1880        | 22.26               | 22.80               | 1.132                  | -0.03            | 0.308                  | 0.349                  |



| Plot No. | Band            | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State | Ch.                       | Freq. (MHz)                   | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------------|----------|------------|---------|-----------|---------------|----------|-------------|---------------------------|-------------------------------|---------------------|---------------------|------------------------|------------------|------------------------|------------------------|
|          | LTE Band 2_LAT  | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 15mm     | Full Power  | 18900                     | 1880                          | 23.31               | 24.30               | 1.256                  | -0.04            | 0.319                  | 0.401                  |
| 63       | LTE Band 2_LAT  | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 18900                     | 1880                          | 23.31               | 24.30               | 1.256                  | -0.03            | 0.432                  | 0.543                  |
|          | LTE Band 2_LAT  | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 18700                     | 1860                          | 23.20               | 24.30               | 1.288                  | -0.06            | 0.372                  | 0.479                  |
|          | LTE Band 2_LAT  | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 19100                     | 1900                          | 23.26               | 24.30               | 1.271                  | -0.04            | 0.323                  | 0.410                  |
|          | LTE Band 2_LAT  | 20M      | QPSK       | 50RB    | 24Offset  | Front         | 15mm     | Full Power  | 18900                     | 1880                          | 22.45               | 23.30               | 1.216                  | -0.05            | 0.256                  | 0.311                  |
|          | LTE Band 2_LAT  | 20M      | QPSK       | 50RB    | 24Offset  | Back          | 15mm     | Full Power  | 18900                     | 1880                          | 22.45               | 23.30               | 1.216                  | -0.01            | 0.348                  | 0.423                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Front         | 15mm     | Full Power  | 27710                     | 2310                          | 20.63               | 22.40               | 1.503                  | -0.05            | 0.195                  | 0.293                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 27710                     | 2310                          | 20.63               | 22.40               | 1.503                  | -0.04            | 0.187                  | 0.281                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 25RB    | 0Offset   | Front         | 15mm     | Full Power  | 27710                     | 2310                          | 19.71               | 21.40               | 1.476                  | 0.02             | 0.162                  | 0.239                  |
|          | LTE Band 30_UAT | 10M      | QPSK       | 25RB    | 0Offset   | Back          | 15mm     | Full Power  | 27710                     | 2310                          | 19.71               | 21.40               | 1.476                  | 0.09             | 0.154                  | 0.227                  |
|          | LTE Band 30_LAT | 10M      | QPSK       | 1RB     | 0Offset   | Front         | 15mm     | Full Power  | 27710                     | 2310                          | 22.56               | 23.80               | 1.330                  | -0.06            | 0.249                  | 0.331                  |
| 64       | LTE Band 30_LAT | 10M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 27710                     | 2310                          | 22.56               | 23.80               | 1.330                  | -0.16            | 0.254                  | 0.338                  |
|          | LTE Band 30_LAT | 10M      | QPSK       | 25RB    | 0Offset   | Front         | 15mm     | Full Power  | 27710                     | 2310                          | 21.51               | 22.80               | 1.346                  | -0.03            | 0.218                  | 0.293                  |
|          | LTE Band 30_LAT | 10M      | QPSK       | 25RB    | 0Offset   | Back          | 15mm     | Full Power  | 27710                     | 2310                          | 21.51               | 22.80               | 1.346                  | -0.08            | 0.221                  | 0.297                  |
|          | LTE Band 7_UAT  | 20M      | QPSK       | 1RB     | 99Offset  | Front         | 15mm     | Full Power  | 21350                     | 2560                          | 21.15               | 22.20               | 1.274                  | -0.07            | 0.218                  | 0.278                  |
|          | LTE Band 7_UAT  | 20M      | QPSK       | 1RB     | 99Offset  | Back          | 15mm     | Full Power  | 21350                     | 2560                          | 21.15               | 22.20               | 1.274                  | -0.15            | 0.241                  | 0.307                  |
| 65       | LTE Band 7_UAT  | 20M      | QPSK       | 1RB     | 99Offset  | Back          | 15mm     | Full Power  | 20850                     | 2510                          | 21.06               | 22.20               | 1.300                  | -0.02            | 0.272                  | 0.354                  |
|          | LTE Band 7_UAT  | 20M      | QPSK       | 1RB     | 99Offset  | Back          | 15mm     | Full Power  | 21100                     | 2535                          | 21.14               | 22.20               | 1.276                  | 0.02             | 0.260                  | 0.332                  |
|          | LTE Band 7_UAT  | 20M      | QPSK       | 1RB     | 99Offset  | Back          | 15mm     | Full Power  | 20850(PCC)+<br>21048(SCC) | 2510(PCC)<br>+<br>2529.8(SCC) | 20.89               | 22.20               | 1.352                  | 0.05             | 0.205                  | 0.277                  |
|          | LTE Band 7_UAT  | 20M      | QPSK       | 50RB    | 0Offset   | Front         | 15mm     | Full Power  | 21350                     | 2560                          | 20.27               | 21.20               | 1.239                  | -0.06            | 0.197                  | 0.244                  |
|          | LTE Band 7_UAT  | 20M      | QPSK       | 50RB    | 0Offset   | Back          | 15mm     | Full Power  | 21350                     | 2560                          | 20.27               | 21.20               | 1.239                  | -0.04            | 0.214                  | 0.265                  |
|          | LTE Band 7_LAT  | 20M      | QPSK       | 1RB     | 99Offset  | Front         | 15mm     | Full Power  | 21350                     | 2560                          | 23.25               | 23.80               | 1.135                  | -0.06            | 0.199                  | 0.226                  |
|          | LTE Band 7_LAT  | 20M      | QPSK       | 1RB     | 99Offset  | Back          | 15mm     | Full Power  | 21350                     | 2560                          | 23.25               | 23.80               | 1.135                  | -0.06            | 0.239                  | 0.271                  |
|          | LTE Band 7_LAT  | 20M      | QPSK       | 1RB     | 99Offset  | Back          | 15mm     | Full Power  | 20850                     | 2510                          | 23.22               | 23.80               | 1.143                  | -0.02            | 0.238                  | 0.272                  |
|          | LTE Band 7_LAT  | 20M      | QPSK       | 1RB     | 99Offset  | Back          | 15mm     | Full Power  | 21100                     | 2535                          | 23.24               | 23.80               | 1.138                  | -0.06            | 0.253                  | 0.288                  |
|          | LTE Band 7_LAT  | 20M      | QPSK       | 1RB     | 99Offset  | Back          | 15mm     | Full Power  | 21100(PCC)+<br>20902(SCC) | 2535(PCC)<br>+<br>2515.2(SCC) | 22.95               | 23.80               | 1.216                  | -0.05            | 0.223                  | 0.271                  |
|          | LTE Band 7_LAT  | 20M      | QPSK       | 50RB    | 0Offset   | Front         | 15mm     | Full Power  | 21350                     | 2560                          | 22.35               | 22.80               | 1.109                  | -0.05            | 0.190                  | 0.211                  |
|          | LTE Band 7_LAT  | 20M      | QPSK       | 50RB    | 0Offset   | Back          | 15mm     | Full Power  | 21350                     | 2560                          | 22.35               | 22.80               | 1.109                  | -0.04            | 0.222                  | 0.246                  |



**<TDD LTE SAR>**

| Plot No. | Band            | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State | Ch.                     | Freq. (MHz)               | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------------|----------|------------|---------|-----------|---------------|----------|-------------|-------------------------|---------------------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Front         | 15mm     | Full Power  | 41490                   | 2680                      | 20.72               | 21.90               | 1.312                  | 62.9         | 1.006                     | 0.02             | 0.056                  | 0.074                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Back          | 15mm     | Full Power  | 41490                   | 2680                      | 20.72               | 21.90               | 1.312                  | 62.9         | 1.006                     | 0.07             | 0.082                  | 0.108                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Back          | 15mm     | Full Power  | 39750                   | 2506                      | 20.63               | 21.90               | 1.340                  | 62.9         | 1.006                     | 0.08             | 0.142                  | 0.191                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Back          | 15mm     | Full Power  | 40185                   | 2549.5                    | 20.67               | 21.90               | 1.327                  | 62.9         | 1.006                     | 0.06             | 0.146                  | 0.195                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Back          | 15mm     | Full Power  | 40185(PCC) + 40383(SCC) | 2549.5(PCC) + 2569.3(SCC) | 20.52               | 21.90               | 1.374                  | 62.9         | 1.006                     | 0.03             | 0.128                  | 0.177                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Back          | 15mm     | Full Power  | 40185                   | 2549.5                    | 22.91               | 24.40               | 1.409                  | 42.9         | 1.009                     | -0.01            | 0.161                  | 0.229                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Back          | 15mm     | Full Power  | 40620                   | 2593                      | 20.62               | 21.90               | 1.343                  | 62.9         | 1.006                     | 0.02             | 0.127                  | 0.172                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 1RB     | 49Offset  | Back          | 15mm     | Full Power  | 41055                   | 2636.5                    | 20.60               | 21.90               | 1.349                  | 62.9         | 1.006                     | 0.04             | 0.100                  | 0.136                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Front         | 15mm     | Full Power  | 41490                   | 2680                      | 19.95               | 20.90               | 1.245                  | 62.9         | 1.006                     | -0.02            | 0.061                  | 0.076                  |
|          | LTE Band 41_UAT | 20M      | QPSK       | 50RB    | 24Offset  | Back          | 15mm     | Full Power  | 41490                   | 2680                      | 19.95               | 20.90               | 1.245                  | 62.9         | 1.006                     | 0.07             | 0.077                  | 0.096                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Front         | 15mm     | Full Power  | 41490                   | 2680                      | 23.29               | 23.80               | 1.125                  | 62.9         | 1.006                     | -0.04            | 0.106                  | 0.120                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Back          | 15mm     | Full Power  | 41490                   | 2680                      | 23.29               | 23.80               | 1.125                  | 62.9         | 1.006                     | -0.01            | 0.162                  | 0.183                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Back          | 15mm     | Full Power  | 39750                   | 2506                      | 22.87               | 23.80               | 1.239                  | 62.9         | 1.006                     | 0.1              | 0.148                  | 0.184                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Back          | 15mm     | Full Power  | 40185                   | 2549.5                    | 22.89               | 23.80               | 1.233                  | 62.9         | 1.006                     | -0.01            | 0.151                  | 0.187                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Back          | 15mm     | Full Power  | 40620                   | 2593                      | 22.93               | 23.80               | 1.222                  | 62.9         | 1.006                     | -0.02            | 0.166                  | 0.204                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Back          | 15mm     | Full Power  | 40620(PCC) + 40422(SCC) | 2593(PCC) + 2573.2(SCC)   | 22.81               | 23.80               | 1.256                  | 62.9         | 1.006                     | 0.05             | 0.158                  | 0.200                  |
| 66       | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Back          | 15mm     | Full Power  | 40620                   | 2593                      | 25.41               | 26.30               | 1.227                  | 42.9         | 1.009                     | -0.06            | 0.215                  | 0.266                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 1RB     | 49Offset  | Back          | 15mm     | Full Power  | 41055                   | 2636.5                    | 22.95               | 23.80               | 1.216                  | 62.9         | 1.006                     | 0.11             | 0.175                  | 0.214                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Front         | 15mm     | Full Power  | 41490                   | 2680                      | 22.30               | 22.80               | 1.122                  | 62.9         | 1.006                     | -0.05            | 0.086                  | 0.097                  |
|          | LTE Band 41_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Back          | 15mm     | Full Power  | 41490                   | 2680                      | 22.30               | 22.80               | 1.122                  | 62.9         | 1.006                     | -0.05            | 0.140                  | 0.158                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 15mm     | Full Power  | 55830                   | 3609                      | 23.50               | 24.30               | 1.202                  | 62.9         | 1.006                     | 0.02             | 0.310                  | 0.375                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Back          | 15mm     | Full Power  | 55830                   | 3609                      | 23.50               | 24.30               | 1.202                  | 62.9         | 1.006                     | 0.06             | 0.280                  | 0.339                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 15mm     | Full Power  | 55340                   | 3560                      | 23.47               | 24.30               | 1.211                  | 62.9         | 1.006                     | 0.004            | 0.305                  | 0.371                  |
| 67       | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 15mm     | Full Power  | 56150                   | 3641                      | 23.45               | 24.30               | 1.216                  | 62.9         | 1.006                     | 0.04             | 0.311                  | 0.381                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 1RB     | 0Offset   | Front         | 15mm     | Full Power  | 56640                   | 3690                      | 23.39               | 24.30               | 1.233                  | 62.9         | 1.006                     | 0.06             | 0.304                  | 0.377                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Front         | 15mm     | Full Power  | 55830                   | 3609                      | 23.01               | 23.30               | 1.069                  | 62.9         | 1.006                     | -0.03            | 0.256                  | 0.275                  |
|          | LTE Band 48_UAT | 20M      | QPSK       | 50RB    | 0Offset   | Back          | 15mm     | Full Power  | 55830                   | 3609                      | 23.01               | 23.30               | 1.069                  | 62.9         | 1.006                     | 0.01             | 0.230                  | 0.247                  |

**<WLAN SAR>**

| Plot No. | Band       | Mode          | Test Position | Gap (mm) | Antenna | Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|------------|---------------|---------------|----------|---------|-------------|-----|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
|          | WLAN2.4GHz | 802.11b 1Mbps | Front         | 15mm     | Ant 1+2 | Full Power  | 1   | 2412        | 22.07               | 23.07               | 1.258                  | 99.24        | 1.008                     | 0.15             | 0.117                  | 0.148                  |
|          | WLAN2.4GHz | 802.11b 1Mbps | Back          | 15mm     | Ant 1+2 | Full Power  | 1   | 2412        | 22.07               | 23.07               | 1.258                  | 99.24        | 1.008                     | 0.03             | 0.176                  | 0.223                  |
| 68       | WLAN2.4GHz | 802.11b 1Mbps | Back          | 15mm     | Ant 1+2 | Full Power  | 6   | 2437        | 21.87               | 23.07               | 1.319                  | 99.24        | 1.008                     | 0.11             | 0.200                  | 0.266                  |
|          | WLAN2.4GHz | 802.11b 1Mbps | Back          | 15mm     | Ant 1+2 | Full Power  | 11  | 2462        | 21.41               | 23.07               | 1.466                  | 99.24        | 1.008                     | 0.05             | 0.170                  | 0.251                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Front         | 15mm     | Ant 1+2 | Full Power  | 52  | 5260        | 19.73               | 20.73               | 1.259                  | 97.86        | 1.022                     | -0.01            | 0.048                  | 0.062                  |
| 69       | WLAN5GHz   | 802.11a 6Mbps | Back          | 15mm     | Ant 1+2 | Full Power  | 52  | 5260        | 19.73               | 20.73               | 1.259                  | 97.86        | 1.022                     | 0.09             | 0.539                  | 0.693                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Back          | 15mm     | Ant 1+2 | Full Power  | 56  | 5280        | 19.47               | 20.73               | 1.337                  | 97.86        | 1.022                     | 0.08             | 0.498                  | 0.680                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Back          | 15mm     | Ant 1+2 | Full Power  | 60  | 5300        | 19.53               | 20.73               | 1.319                  | 97.86        | 1.022                     | 0.04             | 0.429                  | 0.578                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Back          | 15mm     | Ant 1+2 | Full Power  | 64  | 5320        | 19.51               | 20.73               | 1.325                  | 97.86        | 1.022                     | 0.02             | 0.407                  | 0.551                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Front         | 15mm     | Ant 1+2 | Full Power  | 100 | 5500        | 20.25               | 21.25               | 1.259                  | 97.86        | 1.022                     | 0.05             | 0.026                  | 0.034                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Back          | 15mm     | Ant 1+2 | Full Power  | 100 | 5500        | 20.25               | 21.25               | 1.259                  | 97.86        | 1.022                     | 0.05             | 0.404                  | 0.520                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Back          | 15mm     | Ant 1+2 | Full Power  | 116 | 5580        | 20.18               | 21.25               | 1.279                  | 97.86        | 1.022                     | 0.02             | 0.403                  | 0.527                  |
| 70       | WLAN5GHz   | 802.11a 6Mbps | Back          | 15mm     | Ant 1+2 | Full Power  | 132 | 5660        | 20.16               | 21.25               | 1.285                  | 97.86        | 1.022                     | 0.06             | 0.407                  | 0.535                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Back          | 15mm     | Ant 1+2 | Full Power  | 140 | 5700        | 20.13               | 21.25               | 1.294                  | 97.86        | 1.022                     | 0.01             | 0.351                  | 0.464                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Back          | 15mm     | Ant 1+2 | Full Power  | 144 | 5720        | 20.18               | 21.25               | 1.279                  | 97.86        | 1.022                     | -0.03            | 0.354                  | 0.463                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Front         | 15mm     | Ant 1+2 | Full Power  | 165 | 5825        | 20.39               | 21.39               | 1.259                  | 97.86        | 1.022                     | 0.05             | 0.022                  | 0.029                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Back          | 15mm     | Ant 1+2 | Full Power  | 165 | 5825        | 20.39               | 21.39               | 1.259                  | 97.86        | 1.022                     | 0.02             | 0.322                  | 0.414                  |
|          | WLAN5GHz   | 802.11a 6Mbps | Back          | 15mm     | Ant 1+2 | Full Power  | 149 | 5745        | 20.31               | 21.39               | 1.282                  | 97.86        | 1.022                     | 0.04             | 0.311                  | 0.407                  |
| 71       | WLAN5GHz   | 802.11a 6Mbps | Back          | 15mm     | Ant 1+2 | Full Power  | 157 | 5785        | 20.27               | 21.39               | 1.293                  | 97.86        | 1.022                     | 0.02             | 0.329                  | 0.435                  |

**<Bluetooth SAR>**

| Plot No. | Band      | Mode      | Test Position | Gap (mm) | Antenna | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------|-----------|-----------|---------------|----------|---------|-----|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
|          | Bluetooth | DH5 1Mbps | Front         | 15mm     | Ant 1   | 39  | 2441        | 14.30               | 15.40               | 1.288                  | 76.8         | 1.085                     | -0.02            | 0.008                  | 0.011                  |
| 72       | Bluetooth | DH5 1Mbps | Back          | 15mm     | Ant 1   | 39  | 2441        | 14.30               | 15.40               | 1.288                  | 76.8         | 1.085                     | 0.07             | 0.014                  | 0.020                  |
|          | Bluetooth | DH5 1Mbps | Back          | 15mm     | Ant 1   | 0   | 2402        | 12.80               | 13.00               | 1.047                  | 76.8         | 1.085                     | 0.05             | 0.012                  | 0.014                  |
|          | Bluetooth | DH5 1Mbps | Back          | 15mm     | Ant 1   | 78  | 2480        | 12.20               | 13.00               | 1.202                  | 76.8         | 1.085                     | 0.08             | 0.014                  | 0.018                  |

### **13.4 Product Specific SAR**

#### **<WCDMA SAR>**

| Plot No. | Band         | Mode         | Test Position | Gap (mm) | Power State | Ch.  | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 10g SAR (W/kg) | Reported 10g SAR (W/kg) |
|----------|--------------|--------------|---------------|----------|-------------|------|-------------|---------------------|---------------------|------------------------|------------------|-------------------------|-------------------------|
|          | WCDMA IV_LAT | RMC 12.2Kbps | Bottom Side   | 0mm      | 1           | 1413 | 1732.6      | 21.44               | 21.80               | 1.086                  | 0.05             | 2.660                   | 2.890                   |
|          | WCDMA IV_LAT | RMC 12.2Kbps | Bottom Side   | 0mm      | 1           | 1312 | 1712.4      | 21.41               | 21.80               | 1.094                  | 0.04             | 2.560                   | 2.801                   |
| 73       | WCDMA IV_LAT | RMC 12.2Kbps | Bottom Side   | 0mm      | 1           | 1513 | 1752.6      | 21.40               | 21.80               | 1.096                  | 0.04             | 2.650                   | 2.906                   |
|          | WCDMA II_LAT | RMC 12.2Kbps | Front         | 0mm      | 1           | 9400 | 1880        | 20.57               | 21.00               | 1.104                  | -0.01            | 1.520                   | 1.678                   |
|          | WCDMA II_LAT | RMC 12.2Kbps | Back          | 0mm      | 1           | 9400 | 1880        | 20.57               | 21.00               | 1.104                  | -0.06            | 2.320                   | 2.561                   |
|          | WCDMA II_LAT | RMC 12.2Kbps | Bottom Side   | 0mm      | 1           | 9400 | 1880        | 20.57               | 21.00               | 1.104                  | 0.08             | 2.230                   | 2.462                   |
|          | WCDMA II_LAT | RMC 12.2Kbps | Back          | 0mm      | 1           | 9262 | 1852.4      | 20.43               | 21.00               | 1.140                  | 0.18             | 2.240                   | 2.554                   |
|          | WCDMA II_LAT | RMC 12.2Kbps | Back          | 0mm      | 1           | 9538 | 1907.6      | 20.49               | 21.00               | 1.125                  | 0.08             | 2.340                   | 2.632                   |
|          | WCDMA II_LAT | RMC 12.2Kbps | Bottom Side   | 0mm      | 1           | 9262 | 1852.4      | 20.43               | 21.00               | 1.140                  | 0.05             | 2.230                   | 2.543                   |
| 74       | WCDMA II_LAT | RMC 12.2Kbps | Bottom Side   | 0mm      | 1           | 9538 | 1907.6      | 20.49               | 21.00               | 1.125                  | 0.04             | 2.360                   | 2.654                   |

#### **<CDMA SAR>**

| Plot No. | Band             | Mode           | Test Position | Gap (mm) | Power State | Ch.  | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 10g SAR (W/kg) | Reported 10g SAR (W/kg) |
|----------|------------------|----------------|---------------|----------|-------------|------|-------------|---------------------|---------------------|------------------------|------------------|-------------------------|-------------------------|
|          | CDMA2000 BC1_LAT | RTAP 153.6Kbps | Back          | 0mm      | 1           | 600  | 1880        | 21.71               | 22.00               | 1.069                  | 0.06             | 2.760                   | 2.951                   |
|          | CDMA2000 BC1_LAT | RTAP 153.6Kbps | Bottom Side   | 0mm      | 1           | 600  | 1880        | 21.71               | 22.00               | 1.069                  | 0.02             | 2.300                   | 2.459                   |
|          | CDMA2000 BC1_LAT | RTAP 153.6Kbps | Back          | 0mm      | 1           | 25   | 1851.25     | 21.60               | 22.00               | 1.096                  | 0.09             | 2.550                   | 2.796                   |
| 75       | CDMA2000 BC1_LAT | RTAP 153.6Kbps | Back          | 0mm      | 1           | 1175 | 1908.75     | 21.62               | 22.00               | 1.091                  | 0.06             | 2.720                   | 2.969                   |
|          | CDMA2000 BC1_LAT | RTAP 153.6Kbps | Bottom Side   | 0mm      | 1           | 25   | 1851.25     | 21.60               | 22.00               | 1.096                  | -0.05            | 2.470                   | 2.708                   |
|          | CDMA2000 BC1_LAT | RTAP 153.6Kbps | Bottom Side   | 0mm      | 1           | 1175 | 1908.75     | 21.62               | 22.00               | 1.091                  | 0.03             | 2.210                   | 2.412                   |



## &lt;FDD LTE SAR&gt;

| Plot No. | Band            | BW (MHz) | Modulation | RB Size | RB offset | Test Position | Gap (mm) | Power State | Ch.                       | Freq. (MHz)               | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 10g SAR (W/kg) | Reported 10g SAR (W/kg) |
|----------|-----------------|----------|------------|---------|-----------|---------------|----------|-------------|---------------------------|---------------------------|---------------------|---------------------|------------------------|------------------|-------------------------|-------------------------|
|          | LTE Band 66_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Bottom Side   | 0mm      | 1           | 132322                    | 1745                      | 20.68               | 21.00               | 1.076                  | -0.06            | 2.400                   | 2.584                   |
|          | LTE Band 66_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Bottom Side   | 0mm      | 1           | 132072                    | 1720                      | 20.61               | 21.00               | 1.094                  | -0.02            | 2.250                   | 2.461                   |
|          | LTE Band 66_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Bottom Side   | 0mm      | 1           | 132572                    | 1770                      | 20.66               | 21.00               | 1.081                  | 0.01             | 2.600                   | 2.812                   |
| 76       | LTE Band 66_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Bottom Side   | 0mm      | 1           | 132322                    | 1745                      | 20.57               | 21.00               | 1.104                  | 0.03             | 2.690                   | 2.970                   |
|          | LTE Band 66_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Bottom Side   | 0mm      | 1           | 132072                    | 1720                      | 20.54               | 21.00               | 1.112                  | -0.05            | 2.470                   | 2.746                   |
|          | LTE Band 66_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Bottom Side   | 0mm      | 1           | 132572                    | 1770                      | 20.55               | 21.00               | 1.109                  | -0.12            | 2.670                   | 2.961                   |
|          | LTE Band 66_LAT | 20M      | QPSK       | 100RB   | 0Offset   | Bottom Side   | 0mm      | 1           | 132322                    | 1745                      | 20.54               | 21.00               | 1.112                  | 0.06             | 2.630                   | 2.924                   |
|          | LTE Band 25_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Bottom Side   | 0mm      | 1           | 26340                     | 1880                      | 21.79               | 22.00               | 1.050                  | 0.02             | 2.510                   | 2.634                   |
|          | LTE Band 25_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Bottom Side   | 0mm      | 1           | 26140                     | 1860                      | 21.68               | 22.00               | 1.076                  | 0.06             | 2.530                   | 2.723                   |
|          | LTE Band 25_LAT | 20M      | QPSK       | 1RB     | 0Offset   | Bottom Side   | 0mm      | 1           | 26590                     | 1905                      | 21.69               | 22.00               | 1.074                  | 0.04             | 2.320                   | 2.492                   |
|          | LTE Band 25_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Bottom Side   | 0mm      | 1           | 26340                     | 1880                      | 21.75               | 22.00               | 1.059                  | -0.1             | 2.600                   | 2.754                   |
| 77       | LTE Band 25_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Bottom Side   | 0mm      | 1           | 26140                     | 1860                      | 21.65               | 22.00               | 1.084                  | 0.1              | 2.670                   | 2.894                   |
|          | LTE Band 25_LAT | 20M      | QPSK       | 50RB    | 24Offset  | Bottom Side   | 0mm      | 1           | 26590                     | 1905                      | 21.61               | 22.00               | 1.094                  | -0.01            | 2.360                   | 2.582                   |
|          | LTE Band 25_LAT | 20M      | QPSK       | 100RB   | 0Offset   | Bottom Side   | 0mm      | 1           | 26340                     | 1880                      | 21.68               | 22.00               | 1.076                  | 0.01             | 2.640                   | 2.842                   |
|          | LTE Band 7_LAT  | 20M      | QPSK       | 1RB     | 99Offset  | Bottom Side   | 0mm      | 1           | 21350                     | 2560                      | 21.26               | 22.00               | 1.186                  | 0.02             | 1.740                   | 2.063                   |
| 78       | LTE Band 7_LAT  | 20M      | QPSK       | 1RB     | 99Offset  | Bottom Side   | 0mm      | 1           | 20850                     | 2510                      | 20.99               | 22.00               | 1.262                  | 0.08             | 1.860                   | 2.347                   |
|          | LTE Band 7_LAT  | 20M      | QPSK       | 1RB     | 99Offset  | Bottom Side   | 0mm      | 1           | 21100                     | 2535                      | 21.23               | 22.00               | 1.194                  | 0.12             | 1.670                   | 1.994                   |
|          | LTE Band 7_LAT  | 20M      | QPSK       | 1RB     | 99Offset  | Bottom Side   | 0mm      | 1           | 21100(PCC)+<br>20902(SCC) | 2535(PCC)+<br>2515.2(SCC) | 21.02               | 22.00               | 1.253                  | 0.05             | 1.640                   | 2.055                   |
|          | LTE Band 7_LAT  | 20M      | QPSK       | 1RB     | 99Offset  | Bottom Side   | 0mm      | 1           | 20850(PCC)+<br>21048(SCC) | 2510(PCC)+<br>2529.8(SCC) | 20.96               | 22.00               | 1.271                  | 0.01             | 1.780                   | 2.262                   |
|          | LTE Band 7_LAT  | 20M      | QPSK       | 1RB     | 99Offset  | Bottom Side   | 0mm      | 1           | 21350(PCC)+<br>21152(SCC) | 2560(PCC)+<br>2540.2(SCC) | 21.14               | 22.00               | 1.219                  | -0.07            | 1.610                   | 1.963                   |
|          | LTE Band 7_LAT  | 20M      | QPSK       | 50RB    | 0Offset   | Bottom Side   | 0mm      | 1           | 21350                     | 2560                      | 21.22               | 22.00               | 1.197                  | 0.05             | 1.780                   | 2.130                   |
|          | LTE Band 7_LAT  | 20M      | QPSK       | 50RB    | 0Offset   | Bottom Side   | 0mm      | 1           | 21100                     | 2535                      | 21.21               | 22.00               | 1.199                  | -0.02            | 1.860                   | 2.231                   |
|          | LTE Band 7_LAT  | 20M      | QPSK       | 100RB   | 0Offset   | Bottom Side   | 0mm      | 1           | 21350                     | 2560                      | 21.17               | 22.00               | 1.211                  | 0.06             | 1.820                   | 2.203                   |

## &lt;WLAN SAR&gt;

| Plot No. | Band     | Mode          | Test Position | Gap (mm) | Antenna | Power State | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 10g SAR (W/kg) | Reported 10g SAR (W/kg) |
|----------|----------|---------------|---------------|----------|---------|-------------|-----|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|-------------------------|-------------------------|
|          | WLAN5GHz | 802.11a 6Mbps | Front         | 0mm      | Ant 1+2 | Full Power  | 52  | 5260        | 19.73               | 20.73               | 1.259                  | 97.86        | 1.022                     | 0.01             | 0.151                   | 0.194                   |
| 79       | WLAN5GHz | 802.11a 6Mbps | Back          | 0mm      | Ant 1+2 | Full Power  | 52  | 5260        | 19.73               | 20.73               | 1.259                  | 97.86        | 1.022                     | 0.04             | 2.200                   | 2.830                   |
|          | WLAN5GHz | 802.11a 6Mbps | Back          | 0mm      | Ant 1+2 | Full Power  | 52  | 5260        | 19.73               | 20.73               | 1.259                  | 97.86        | 1.022                     | -0.02            | 2.150                   | 2.766                   |
|          | WLAN5GHz | 802.11a 6Mbps | Left Side     | 0mm      | Ant 1+2 | Full Power  | 52  | 5260        | 19.73               | 20.73               | 1.259                  | 97.86        | 1.022                     | -0.05            | 0.025                   | 0.032                   |
|          | WLAN5GHz | 802.11a 6Mbps | Right Side    | 0mm      | Ant 1+2 | Full Power  | 52  | 5260        | 19.73               | 20.73               | 1.259                  | 97.86        | 1.022                     | 0.02             | 0.490                   | 0.630                   |
|          | WLAN5GHz | 802.11a 6Mbps | Top Side      | 0mm      | Ant 1+2 | Full Power  | 52  | 5260        | 19.73               | 20.73               | 1.259                  | 97.86        | 1.022                     | 0.01             | 0.314                   | 0.404                   |
|          | WLAN5GHz | 802.11a 6Mbps | Back          | 0mm      | Ant 1+2 | Full Power  | 56  | 5280        | 19.47               | 20.73               | 1.337                  | 97.86        | 1.022                     | 0.02             | 1.970                   | 2.691                   |
|          | WLAN5GHz | 802.11a 6Mbps | Back          | 0mm      | Ant 1+2 | Full Power  | 60  | 5300        | 19.53               | 20.73               | 1.319                  | 97.86        | 1.022                     | -0.07            | 1.730                   | 2.332                   |
|          | WLAN5GHz | 802.11a 6Mbps | Back          | 0mm      | Ant 1+2 | Full Power  | 64  | 5320        | 19.51               | 20.73               | 1.325                  | 97.86        | 1.022                     | 0.05             | 1.670                   | 2.262                   |
|          | WLAN5GHz | 802.11a 6Mbps | Front         | 0mm      | Ant 1+2 | Full Power  | 100 | 5500        | 20.25               | 21.25               | 1.259                  | 97.86        | 1.022                     | 0.07             | 0.127                   | 0.163                   |
| 80       | WLAN5GHz | 802.11a 6Mbps | Back          | 0mm      | Ant 1+2 | Full Power  | 100 | 5500        | 20.25               | 21.25               | 1.259                  | 97.86        | 1.022                     | 0.05             | 1.520                   | 1.955                   |
|          | WLAN5GHz | 802.11a 6Mbps | Left Side     | 0mm      | Ant 1+2 | Full Power  | 100 | 5500        | 20.25               | 21.25               | 1.259                  | 97.86        | 1.022                     | 0.05             | 0.019                   | 0.024                   |
|          | WLAN5GHz | 802.11a 6Mbps | Right Side    | 0mm      | Ant 1+2 | Full Power  | 100 | 5500        | 20.25               | 21.25               | 1.259                  | 97.86        | 1.022                     | 0.02             | 0.450                   | 0.579                   |
|          | WLAN5GHz | 802.11a 6Mbps | Top Side      | 0mm      | Ant 1+2 | Full Power  | 100 | 5500        | 20.25               | 21.25               | 1.259                  | 97.86        | 1.022                     | 0.05             | 0.187                   | 0.241                   |
|          | WLAN5GHz | 802.11a 6Mbps | Back          | 0mm      | Ant 1+2 | Full Power  | 116 | 5580        | 20.18               | 21.25               | 1.279                  | 97.86        | 1.022                     | -0.01            | 1.310                   | 1.713                   |
|          | WLAN5GHz | 802.11a 6Mbps | Back          | 0mm      | Ant 1+2 | Full Power  | 132 | 5660        | 20.16               | 21.25               | 1.285                  | 97.86        | 1.022                     | 0.02             | 1.250                   | 1.642                   |
|          | WLAN5GHz | 802.11a 6Mbps | Back          | 0mm      | Ant 1+2 | Full Power  | 140 | 5700        | 20.13               | 21.25               | 1.294                  | 97.86        | 1.022                     | -0.05            | 1.100                   | 1.455                   |
|          | WLAN5GHz | 802.11a 6Mbps | Back          | 0mm      | Ant 1+2 | Full Power  | 144 | 5720        | 20.18               | 21.25               | 1.279                  | 97.86        | 1.022                     | 0.08             | 1.110                   | 1.451                   |

**13.5 Repeated SAR Measurement**

| No. | Band            | Mode          | Test Position | Gap (mm) | Power State             | Ch.    | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Ratio | Reported 1g SAR (W/kg) |
|-----|-----------------|---------------|---------------|----------|-------------------------|--------|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|-------|------------------------|
| 1st | WCDMA II_UAT    | RMC 12.2Kbps  | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 9262   | 1852.4      | 18.35               | 18.50               | 1.035                  | -            | 1.000                     | 0.02             | 1.140                  | -     | 1.180                  |
| 2nd | WCDMA II_UAT    | RMC 12.2Kbps  | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 9262   | 1852.4      | 18.35               | 18.50               | 1.035                  | -            | 1.000                     | -0.08            | 1.120                  | 1.02  | 1.159                  |
| 1st | LTE Band 66_UAT | 20M_QPSK_50_0 | Right Tilted  | 0mm      | 1 or 2 with 2.4GHz/5GHz | 132572 | 1770        | 17.72               | 18.10               | 1.091                  | -            | 1.000                     | 0.08             | 1.080                  | -     | 1.179                  |
| 2nd | LTE Band 66_UAT | 20M_QPSK_50_0 | Right Tilted  | 0mm      | 1 or 2 with 2.4GHz/5GHz | 132572 | 1770        | 17.72               | 18.10               | 1.091                  | -            | 1.000                     | 0.02             | 1.060                  | 1.02  | 1.157                  |
| 1st | LTE Band 30_UAT | 10M_QPSK_50_0 | Right Tilted  | 0mm      | 1                       | 27710  | 2310        | 19.20               | 19.50               | 1.072                  | -            | 1.000                     | 0.07             | 1.110                  | -     | 1.189                  |
| 2nd | LTE Band 30_UAT | 10M_QPSK_50_0 | Right Tilted  | 0mm      | 1                       | 27710  | 2310        | 19.20               | 19.50               | 1.072                  | -            | 1.000                     | -0.06            | 1.080                  | 1.03  | 1.157                  |
| 1st | LTE Band 7_UAT  | 20M_QPSK_50_0 | Right Tilted  | 0mm      | 2 with 2.4GHz           | 21100  | 2535        | 18.15               | 18.30               | 1.035                  | -            | 1.000                     | -0.09            | 1.140                  | -     | 1.180                  |
| 2nd | LTE Band 7_UAT  | 20M_QPSK_50_0 | Right Tilted  | 0mm      | 2 with 2.4GHz           | 21100  | 2535        | 18.15               | 18.30               | 1.035                  | -            | 1.000                     | 0.01             | 1.110                  | 1.03  | 1.149                  |
| 1st | LTE Band 41_UAT | 20M_QPSK_1_49 | Right Cheek   | 0mm      | 2 with 5GHz             | 40185  | 2549.5      | 20.00               | 20.50               | 1.122                  | 62.9         | 1.006                     | 0.01             | 1.050                  | -     | 1.185                  |
| 2nd | LTE Band 41_UAT | 20M_QPSK_1_49 | Right Cheek   | 0mm      | 2 with 5GHz             | 40185  | 2549.5      | 20.00               | 20.50               | 1.122                  | 62.9         | 1.006                     | 0.15             | 1.030                  | 1.02  | 1.163                  |
| 1st | LTE Band 48_UAT | 20M_QPSK_50_0 | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 55830  | 3609        | 16.91               | 17.00               | 1.021                  | 62.9         | 1.006                     | -0.07            | 0.950                  | -     | 0.976                  |
| 2nd | LTE Band 48_UAT | 20M_QPSK_50_0 | Right Cheek   | 0mm      | 1 or 2 with 2.4GHz/5GHz | 55830  | 3609        | 16.91               | 17.00               | 1.021                  | 62.9         | 1.006                     | 0.04             | 0.946                  | 1.00  | 0.972                  |
| 1st | WLAN2.4GHz      | 802.11b 1Mbps | Left Cheek    | 0mm      | 1                       | 11     | 2462        | 18.24               | 18.50               | 1.062                  | 99.24        | 1.008                     | -0.05            | 0.862                  | -     | 0.923                  |
| 2nd | WLAN2.4GHz      | 802.11b 1Mbps | Left Cheek    | 0mm      | 1                       | 11     | 2462        | 18.24               | 18.50               | 1.062                  | 99.24        | 1.008                     | 0.02             | 0.858                  | 1.00  | 0.918                  |
| 1st | WCDMA V_UAT     | RMC 12.2Kbps  | Left Side     | 10mm     | Full Power              | 4182   | 836.4       | 24.04               | 24.80               | 1.191                  | -            | 1.000                     | -0.17            | 0.982                  | -     | 1.170                  |
| 2nd | WCDMA V_UAT     | RMC 12.2Kbps  | Left Side     | 10mm     | Full Power              | 4182   | 836.4       | 24.04               | 24.80               | 1.191                  | -            | 1.000                     | 0.05             | 0.978                  | 1.00  | 1.165                  |
| 1st | WCDMA IV_LAT    | RMC 12.2Kbps  | Bottom Side   | 10mm     | 1                       | 1413   | 1732.6      | 23.62               | 23.80               | 1.042                  | -            | 1.000                     | -0.11            | 1.090                  | -     | 1.136                  |
| 2nd | WCDMA IV_LAT    | RMC 12.2Kbps  | Bottom Side   | 10mm     | 1                       | 1413   | 1732.6      | 23.62               | 23.80               | 1.042                  | -            | 1.000                     | 0.03             | 1.070                  | 1.02  | 1.115                  |
| 1st | LTE Band 12_UAT | 10M_QPSK_1_49 | Left Side     | 10mm     | Full Power              | 23095  | 707.5       | 23.42               | 24.30               | 1.225                  | -            | 1.000                     | -0.06            | 0.963                  | -     | 1.179                  |
| 2nd | LTE Band 12_UAT | 10M_QPSK_1_49 | Left Side     | 10mm     | Full Power              | 23095  | 707.5       | 23.42               | 24.30               | 1.225                  | -            | 1.000                     | -0.12            | 0.948                  | 1.02  | 1.161                  |

| No. | Band             | Mode           | Test Position | Gap (mm) | Power State     | Ch.    | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Power Drift (dB) | Measured 10g SAR (W/kg) | Ratio | Reported 10g SAR (W/kg) |
|-----|------------------|----------------|---------------|----------|-----------------|--------|-------------|---------------------|---------------------|------------------------|------------------|-------------------------|-------|-------------------------|
| 1st | CDMA2000 BC1_LAT | RTAP 153.6Kbps | Back          | 0mm      | 1 for Sensor On | 1175   | 1908.75     | 21.62               | 22.00               | 1.091                  | 0.06             | 2.720                   | -     | 2.969                   |
| 2nd | CDMA2000 BC1_LAT | RTAP 153.6Kbps | Back          | 0mm      | 1 for Sensor On | 1175   | 1908.75     | 21.62               | 22.00               | 1.091                  | 0.01             | 2.690                   | 1.01  | 2.936                   |
| 1st | LTE Band 66_LAT  | 20M_QPSK_50_24 | Bottom Side   | 0mm      | 1 for Sensor On | 132322 | 1745        | 20.57               | 21.00               | 1.104                  | 0.03             | 2.690                   | -     | 2.970                   |
| 2nd | LTE Band 66_LAT  | 20M_QPSK_50_24 | Bottom Side   | 0mm      | 1 for Sensor On | 132322 | 1745        | 20.57               | 21.00               | 1.104                  | -0.05            | 2.650                   | 1.02  | 2.926                   |

**General Note:**

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

# **14. Simultaneous Transmission Analysis**

| NO. | Simultaneous Transmission Configurations | Portable Handset |           |         |                  |
|-----|------------------------------------------|------------------|-----------|---------|------------------|
|     |                                          | Head             | Body-worn | Hotspot | Product Specific |
| 1.  | GSM Voice + WLAN2.4GHz                   | Yes              | Yes       |         | Yes              |
| 2.  | GPRS/EDGE + WLAN2.4GHz                   | Yes              | Yes       | Yes     | Yes              |
| 3.  | WCDMA + WLAN2.4GHz                       | Yes              | Yes       | Yes     | Yes              |
| 4.  | CDMA + WLAN2.4GHz                        | Yes              | Yes       | Yes     | Yes              |
| 5.  | LTE + WLAN2.4GHz                         | Yes              | Yes       | Yes     | Yes              |
| 6.  | GSM Voice + Bluetooth                    | Yes              | Yes       |         | Yes              |
| 7.  | GPRS/EDGE + Bluetooth                    | Yes              | Yes       | Yes     | Yes              |
| 8.  | WCDMA+ Bluetooth                         | Yes              | Yes       | Yes     | Yes              |
| 9.  | CDMA + Bluetooth                         | Yes              | Yes       | Yes     | Yes              |
| 10. | LTE + Bluetooth                          | Yes              | Yes       | Yes     | Yes              |
| 11. | GSM Voice + WLAN5GHz                     | Yes              | Yes       |         | Yes              |
| 12. | GPRS/EDGE + WLAN5GHz                     | Yes              | Yes       | Yes     | Yes              |
| 13. | WCDMA + WLAN5GHz                         | Yes              | Yes       | Yes     | Yes              |
| 14. | CDMA + WLAN5GHz                          | Yes              | Yes       | Yes     | Yes              |
| 15. | LTE + WLAN5GHz                           | Yes              | Yes       | Yes     | Yes              |
| 16. | GSM Voice + WLAN5GHz + Bluetooth         | Yes              | Yes       |         | Yes              |
| 17. | GPRS/EDGE + WLAN5GHz + Bluetooth         | Yes              | Yes       | Yes     | Yes              |
| 18. | WCDMA + WLAN5GHz + Bluetooth             | Yes              | Yes       | Yes     | Yes              |
| 19. | CDMA + WLAN5GHz+ Bluetooth               | Yes              | Yes       | Yes     | Yes              |
| 20. | LTE + WLAN5GHz + Bluetooth               | Yes              | Yes       | Yes     | Yes              |

**General Note:**

1. This device WLAN 2.4GHz / 5.2GHz / 5.8GHz supports Hotspot operation and Bluetooth support tethering applications.
2. 2.4GHz WLAN and Bluetooth share the same antenna, and cannot transmit simultaneously.
3. All licensed modes share the same antenna part and cannot transmit simultaneously.
4. EUT will choose either WLAN 2.4GHz or WLAN 5GHz according to the network signal condition; therefore, 2.4GHz WLAN and 5GHz WLAN will not operate simultaneously at any moment.
5. The Scaled SAR summation is calculated based on the same configuration and test position.
6. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
  - i) Scalar SAR summation < 1.6W/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  $SPLSR \leq 0.04$ , simultaneously transmission SAR measurement is not necessary.
  - iv) Simultaneously transmission SAR measurement, and the reported multi-band SAR < 1.6W/kg.
  - v) The SPLSR calculated results please refer to section 14.5.

**14.1 Head Exposure Conditions**

| WWAN Band |                  | Exposure Position | 1                | 2                      | 1+2<br>Summed<br>1g SAR (W/kg) | SPLSR | Case No |
|-----------|------------------|-------------------|------------------|------------------------|--------------------------------|-------|---------|
|           |                  |                   | WWAN             | 2.4GHz WLAN<br>Ant 1+2 |                                |       |         |
|           |                  |                   | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg)       |                                |       |         |
| GSM       | GSM850_UAT       | Right Cheek       | 0.519            | 0.209                  | <b>0.728</b>                   | 0.02  | 1       |
|           |                  | Right Tilted      | 0.121            | 0.168                  | <b>0.289</b>                   |       |         |
|           |                  | Left Cheek        | 0.826            | 0.923                  | <b>1.749</b>                   |       |         |
|           |                  | Left Tilted       | 0.143            | 0.480                  | <b>0.623</b>                   |       |         |
|           | GSM1900_UAT      | Right Cheek       | 0.987            | 0.209                  | <b>1.196</b>                   |       |         |
|           |                  | Right Tilted      | 1.010            | 0.168                  | <b>1.178</b>                   |       |         |
|           |                  | Left Cheek        | 0.231            | 0.923                  | <b>1.154</b>                   |       |         |
|           |                  | Left Tilted       | 0.267            | 0.480                  | <b>0.747</b>                   |       |         |
| WCDMA     | WCDMA II_UAT     | Right Cheek       | 1.180            | 0.209                  | <b>1.389</b>                   |       |         |
|           |                  | Right Tilted      | 1.170            | 0.168                  | <b>1.338</b>                   |       |         |
|           |                  | Left Cheek        | 0.298            | 0.923                  | <b>1.221</b>                   |       |         |
|           |                  | Left Tilted       | 0.441            | 0.480                  | <b>0.921</b>                   |       |         |
|           | WCDMA IV_UAT     | Right Cheek       | 1.143            | 0.209                  | <b>1.352</b>                   |       |         |
|           |                  | Right Tilted      | 1.015            | 0.168                  | <b>1.183</b>                   |       |         |
|           |                  | Left Cheek        | 0.315            | 0.923                  | <b>1.238</b>                   |       |         |
|           |                  | Left Tilted       | 0.361            | 0.480                  | <b>0.841</b>                   |       |         |
|           | WCDMA V_UAT      | Right Cheek       | 0.479            | 0.209                  | <b>0.688</b>                   | 0.03  | 2       |
|           |                  | Right Tilted      | 0.105            | 0.168                  | <b>0.273</b>                   |       |         |
|           |                  | Left Cheek        | 0.803            | 0.923                  | <b>1.726</b>                   |       |         |
|           |                  | Left Tilted       | 0.120            | 0.480                  | <b>0.600</b>                   |       |         |
| CDMA      | CDMA2000 BC0_UAT | Right Cheek       | 0.612            | 0.209                  | <b>0.821</b>                   | 0.03  | 3       |
|           |                  | Right Tilted      | 0.134            | 0.168                  | <b>0.302</b>                   |       |         |
|           |                  | Left Cheek        | 0.925            | 0.923                  | <b>1.848</b>                   |       |         |
|           |                  | Left Tilted       | 0.140            | 0.480                  | <b>0.620</b>                   |       |         |
|           | CDMA2000 BC1_UAT | Right Cheek       | 1.192            | 0.209                  | <b>1.401</b>                   |       |         |
|           |                  | Right Tilted      | 1.189            | 0.168                  | <b>1.357</b>                   |       |         |
|           |                  | Left Cheek        | 0.307            | 0.923                  | <b>1.230</b>                   |       |         |
|           |                  | Left Tilted       | 0.435            | 0.480                  | <b>0.915</b>                   |       |         |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

| WWAN Band |                 | Exposure Position | 1                | 2                      | 1+2<br>Summed<br>1g SAR (W/kg) | SPLSR | Case No |
|-----------|-----------------|-------------------|------------------|------------------------|--------------------------------|-------|---------|
|           |                 |                   | WWAN             | 2.4GHz WLAN<br>Ant 1+2 |                                |       |         |
|           |                 |                   | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg)       |                                |       |         |
| LTE       | LTE Band 4_UAT  | Right Cheek       | 1.125            | 0.209                  | 1.334                          |       |         |
|           |                 | Right Tilted      | 1.093            | 0.168                  | 1.261                          |       |         |
|           |                 | Left Cheek        | 0.300            | 0.923                  | 1.223                          |       |         |
|           |                 | Left Tilted       | 0.359            | 0.480                  | 0.839                          |       |         |
|           | LTE Band 5_UAT  | Right Cheek       | 0.485            | 0.209                  | 0.694                          |       |         |
|           |                 | Right Tilted      | 0.111            | 0.168                  | 0.279                          |       |         |
|           |                 | Left Cheek        | 0.668            | 0.923                  | 1.591                          |       |         |
|           |                 | Left Tilted       | 0.127            | 0.480                  | 0.607                          |       |         |
|           | LTE Band 7_UAT  | Right Cheek       | 1.170            | 0.209                  | 1.379                          |       |         |
|           |                 | Right Tilted      | 1.180            | 0.168                  | 1.348                          |       |         |
|           |                 | Left Cheek        | 0.262            | 0.923                  | 1.185                          |       |         |
|           |                 | Left Tilted       | 0.265            | 0.480                  | 0.745                          |       |         |
|           | LTE Band 12_UAT | Right Cheek       | 0.508            | 0.209                  | 0.717                          |       |         |
|           |                 | Right Tilted      | 0.126            | 0.168                  | 0.294                          |       |         |
|           |                 | Left Cheek        | 0.720            | 0.923                  | 1.643                          | 0.02  | 5       |
|           |                 | Left Tilted       | 0.130            | 0.480                  | 0.610                          |       |         |
|           | LTE Band 13_UAT | Right Cheek       | 0.404            | 0.209                  | 0.613                          |       |         |
|           |                 | Right Tilted      | 0.088            | 0.168                  | 0.256                          |       |         |
|           |                 | Left Cheek        | 0.608            | 0.923                  | 1.531                          |       |         |
|           |                 | Left Tilted       | 0.100            | 0.480                  | 0.580                          |       |         |
|           | LTE Band 17_UAT | Right Cheek       | 0.470            | 0.209                  | 0.679                          |       |         |
|           |                 | Right Tilted      | 0.113            | 0.168                  | 0.281                          |       |         |
|           |                 | Left Cheek        | 0.625            | 0.923                  | 1.548                          |       |         |
|           |                 | Left Tilted       | 0.120            | 0.480                  | 0.600                          |       |         |
|           | LTE Band 25_UAT | Right Cheek       | 1.201            | 0.209                  | 1.410                          |       |         |
|           |                 | Right Tilted      | 1.028            | 0.168                  | 1.196                          |       |         |
|           |                 | Left Cheek        | 0.324            | 0.923                  | 1.247                          |       |         |
|           |                 | Left Tilted       | 0.375            | 0.480                  | 0.855                          |       |         |
|           | LTE Band 26_UAT | Right Cheek       | 0.518            | 0.209                  | 0.727                          |       |         |
|           |                 | Right Tilted      | 0.123            | 0.168                  | 0.291                          |       |         |
|           |                 | Left Cheek        | 0.885            | 0.923                  | 1.808                          | 0.03  | 7       |
|           |                 | Left Tilted       | 0.148            | 0.480                  | 0.628                          |       |         |
|           | LTE Band 30_UAT | Right Cheek       | 1.090            | 0.209                  | 1.299                          |       |         |
|           |                 | Right Tilted      | 1.085            | 0.168                  | 1.253                          |       |         |
|           |                 | Left Cheek        | 0.323            | 0.923                  | 1.246                          |       |         |
|           |                 | Left Tilted       | 0.262            | 0.480                  | 0.742                          |       |         |
|           | LTE Band 41_UAT | Right Cheek       | 0.900            | 0.209                  | 1.113                          |       |         |
|           |                 | Right Tilted      | 0.474            | 0.168                  | 0.642                          |       |         |
|           |                 | Left Cheek        | 0.141            | 0.923                  | 1.064                          |       |         |
|           |                 | Left Tilted       | 0.163            | 0.480                  | 0.643                          |       |         |
|           | LTE Band 48_UAT | Right Cheek       | 0.976            | 0.209                  | 1.185                          |       |         |
|           |                 | Right Tilted      | 0.972            | 0.168                  | 1.140                          |       |         |
|           |                 | Left Cheek        | 0.269            | 0.923                  | 1.192                          |       |         |
|           |                 | Left Tilted       | 0.239            | 0.480                  | 0.719                          |       |         |
|           | LTE Band 66_UAT | Right Cheek       | 1.157            | 0.209                  | 1.366                          |       |         |
|           |                 | Right Tilted      | 1.179            | 0.168                  | 1.347                          |       |         |
|           |                 | Left Cheek        | 0.303            | 0.923                  | 1.226                          |       |         |
|           |                 | Left Tilted       | 0.325            | 0.480                  | 0.805                          |       |         |
|           | LTE Band 71_UAT | Right Cheek       | 0.560            | 0.209                  | 0.769                          |       |         |
|           |                 | Right Tilted      | 0.144            | 0.168                  | 0.312                          |       |         |
|           |                 | Left Cheek        | 1.035            | 0.923                  | 1.958                          | 0.03  | 8       |
|           |                 | Left Tilted       | 0.160            | 0.480                  | 0.640                          |       |         |

| WWAN Band |                  | Exposure Position | 1             | 3                 | 4               | 1+3 Summed 1g SAR (W/kg) | 1+4 Summed 1g SAR (W/kg) | 1+3+4 Summed 1g SAR (W/kg) | SPLSR | Case No |
|-----------|------------------|-------------------|---------------|-------------------|-----------------|--------------------------|--------------------------|----------------------------|-------|---------|
|           |                  |                   | WWAN          | 5GHz WLAN Ant 1+2 | Bluetooth Ant 1 |                          |                          |                            |       |         |
|           |                  |                   | 1g SAR (W/kg) | 1g SAR (W/kg)     | 1g SAR (W/kg)   |                          |                          |                            |       |         |
| GSM       | GSM850_UAT       | Right Cheek       | 0.635         | 0.109             | 0.140           | <b>0.744</b>             | <b>0.775</b>             | <b>0.884</b>               |       |         |
|           |                  | Right Tilted      | 0.143         | 0.023             | 0.109           | <b>0.166</b>             | <b>0.252</b>             | <b>0.275</b>               |       |         |
|           |                  | Left Cheek        | 1.077         | 0.531             | 0.344           | <b>1.608</b>             | <b>1.421</b>             | <b>1.952</b>               | 0.03  | 13      |
|           |                  | Left Tilted       | 0.192         | 0.439             | 0.288           | <b>0.631</b>             | <b>0.480</b>             | <b>0.919</b>               |       |         |
|           | GSM1900_UAT      | Right Cheek       | 1.127         | 0.109             | 0.140           | <b>1.236</b>             | <b>1.267</b>             | <b>1.376</b>               |       |         |
|           |                  | Right Tilted      | 1.072         | 0.023             | 0.109           | <b>1.095</b>             | <b>1.181</b>             | <b>1.204</b>               |       |         |
|           |                  | Left Cheek        | 0.316         | 0.531             | 0.344           | <b>0.847</b>             | <b>0.660</b>             | <b>1.191</b>               |       |         |
|           |                  | Left Tilted       | 0.356         | 0.439             | 0.288           | <b>0.795</b>             | <b>0.644</b>             | <b>1.083</b>               |       |         |
| WCDMA     | WCDMA II_UAT     | Right Cheek       | 1.180         | 0.109             | 0.140           | <b>1.289</b>             | <b>1.320</b>             | <b>1.429</b>               |       |         |
|           |                  | Right Tilted      | 1.170         | 0.023             | 0.109           | <b>1.193</b>             | <b>1.279</b>             | <b>1.302</b>               |       |         |
|           |                  | Left Cheek        | 0.298         | 0.531             | 0.344           | <b>0.829</b>             | <b>0.642</b>             | <b>1.173</b>               |       |         |
|           |                  | Left Tilted       | 0.441         | 0.439             | 0.288           | <b>0.880</b>             | <b>0.729</b>             | <b>1.168</b>               |       |         |
|           | WCDMA IV_UAT     | Right Cheek       | 1.143         | 0.109             | 0.140           | <b>1.252</b>             | <b>1.283</b>             | <b>1.392</b>               |       |         |
|           |                  | Right Tilted      | 1.015         | 0.023             | 0.109           | <b>1.038</b>             | <b>1.124</b>             | <b>1.147</b>               |       |         |
|           |                  | Left Cheek        | 0.315         | 0.531             | 0.344           | <b>0.846</b>             | <b>0.659</b>             | <b>1.190</b>               |       |         |
|           |                  | Left Tilted       | 0.361         | 0.439             | 0.288           | <b>0.800</b>             | <b>0.649</b>             | <b>1.088</b>               |       |         |
|           | WCDMA V_UAT      | Right Cheek       | 0.831         | 0.109             | 0.140           | <b>0.940</b>             | <b>0.971</b>             | <b>1.080</b>               |       |         |
|           |                  | Right Tilted      | 0.175         | 0.023             | 0.109           | <b>0.198</b>             | <b>0.284</b>             | <b>0.307</b>               |       |         |
|           |                  | Left Cheek        | 1.073         | 0.531             | 0.344           | <b>1.604</b>             | <b>1.417</b>             | <b>1.948</b>               | 0.03  | 14      |
|           |                  | Left Tilted       | 0.176         | 0.439             | 0.288           | <b>0.615</b>             | <b>0.464</b>             | <b>0.903</b>               |       |         |
| CDMA      | CDMA2000 BC0_UAT | Right Cheek       | 0.346         | 0.109             | 0.140           | <b>0.455</b>             | <b>0.486</b>             | <b>0.595</b>               |       |         |
|           |                  | Right Tilted      | 0.074         | 0.023             | 0.109           | <b>0.097</b>             | <b>0.183</b>             | <b>0.206</b>               |       |         |
|           |                  | Left Cheek        | 0.505         | 0.531             | 0.344           | <b>1.036</b>             | <b>0.849</b>             | <b>1.380</b>               |       |         |
|           |                  | Left Tilted       | 0.079         | 0.439             | 0.288           | <b>0.518</b>             | <b>0.367</b>             | <b>0.806</b>               |       |         |
|           | CDMA2000 BC1_UAT | Right Cheek       | 1.192         | 0.109             | 0.140           | <b>1.301</b>             | <b>1.332</b>             | <b>1.441</b>               |       |         |
|           |                  | Right Tilted      | 1.189         | 0.023             | 0.109           | <b>1.212</b>             | <b>1.298</b>             | <b>1.321</b>               |       |         |
|           |                  | Left Cheek        | 0.307         | 0.531             | 0.344           | <b>0.838</b>             | <b>0.651</b>             | <b>1.182</b>               |       |         |
|           |                  | Left Tilted       | 0.435         | 0.439             | 0.288           | <b>0.874</b>             | <b>0.723</b>             | <b>1.162</b>               |       |         |
| LTE       | LTE Band 4       | Right Cheek       | 1.125         | 0.109             | 0.140           | <b>1.234</b>             | <b>1.265</b>             | <b>1.374</b>               |       |         |
|           |                  | Right Tilted      | 1.093         | 0.023             | 0.109           | <b>1.116</b>             | <b>1.202</b>             | <b>1.225</b>               |       |         |
|           |                  | Left Cheek        | 0.300         | 0.531             | 0.344           | <b>0.831</b>             | <b>0.644</b>             | <b>1.175</b>               |       |         |
|           |                  | Left Tilted       | 0.359         | 0.439             | 0.288           | <b>0.798</b>             | <b>0.647</b>             | <b>1.086</b>               |       |         |
|           | LTE Band 5_UAT   | Right Cheek       | 0.657         | 0.109             | 0.140           | <b>0.766</b>             | <b>0.797</b>             | <b>0.906</b>               |       |         |
|           |                  | Right Tilted      | 0.156         | 0.023             | 0.109           | <b>0.179</b>             | <b>0.265</b>             | <b>0.288</b>               |       |         |
|           |                  | Left Cheek        | 1.020         | 0.531             | 0.344           | <b>1.551</b>             | <b>1.364</b>             | <b>1.895</b>               | 0.03  | 16      |
|           |                  | Left Tilted       | 0.170         | 0.439             | 0.288           | <b>0.609</b>             | <b>0.458</b>             | <b>0.897</b>               |       |         |
|           | LTE Band 7_UAT   | Right Cheek       | 1.074         | 0.109             | 0.140           | <b>1.183</b>             | <b>1.214</b>             | <b>1.323</b>               |       |         |
|           |                  | Right Tilted      | 1.172         | 0.023             | 0.109           | <b>1.195</b>             | <b>1.281</b>             | <b>1.304</b>               |       |         |
|           |                  | Left Cheek        | 0.287         | 0.531             | 0.344           | <b>0.818</b>             | <b>0.631</b>             | <b>1.162</b>               |       |         |
|           |                  | Left Tilted       | 0.350         | 0.439             | 0.288           | <b>0.789</b>             | <b>0.638</b>             | <b>1.077</b>               |       |         |



| WWAN Band |                 | Exposure Position | 1             | 3                 | 4               | 1+3 Summed 1g SAR (W/kg) | 1+4 Summed 1g SAR (W/kg) | 1+3+4 Summed 1g SAR (W/kg) | SPLSR | Case No |
|-----------|-----------------|-------------------|---------------|-------------------|-----------------|--------------------------|--------------------------|----------------------------|-------|---------|
|           |                 |                   | WWAN          | 5GHz WLAN Ant 1+2 | Bluetooth Ant 1 |                          |                          |                            |       |         |
|           |                 |                   | 1g SAR (W/kg) | 1g SAR (W/kg)     | 1g SAR (W/kg)   |                          |                          |                            |       |         |
| LTE       | LTE Band 12_UAT | Right Cheek       | 0.685         | 0.109             | 0.140           | 0.794                    | 0.825                    | 0.934                      |       |         |
|           |                 | Right Tilted      | 0.154         | 0.023             | 0.109           | 0.177                    | 0.263                    | 0.286                      |       |         |
|           |                 | Left Cheek        | 0.890         | 0.531             | 0.344           | 1.421                    | 1.234                    | 1.765                      | 0.03  | 17      |
|           |                 | Left Tilted       | 0.163         | 0.439             | 0.288           | 0.602                    | 0.451                    | 0.890                      |       |         |
|           | LTE Band 13_UAT | Right Cheek       | 0.563         | 0.109             | 0.140           | 0.672                    | 0.703                    | 0.812                      |       |         |
|           |                 | Right Tilted      | 0.134         | 0.023             | 0.109           | 0.157                    | 0.243                    | 0.266                      |       |         |
|           |                 | Left Cheek        | 0.911         | 0.531             | 0.344           | 1.442                    | 1.255                    | 1.786                      | 0.03  | 18      |
|           |                 | Left Tilted       | 0.167         | 0.439             | 0.288           | 0.606                    | 0.455                    | 0.894                      |       |         |
|           | LTE Band 17_UAT | Right Cheek       | 0.470         | 0.109             | 0.140           | 0.579                    | 0.610                    | 0.719                      |       |         |
|           |                 | Right Tilted      | 0.113         | 0.023             | 0.109           | 0.136                    | 0.222                    | 0.245                      |       |         |
|           |                 | Left Cheek        | 0.625         | 0.531             | 0.344           | 1.156                    | 0.969                    | 1.500                      |       |         |
|           |                 | Left Tilted       | 0.120         | 0.439             | 0.288           | 0.559                    | 0.408                    | 0.847                      |       |         |
|           | LTE Band 25_UAT | Right Cheek       | 1.201         | 0.109             | 0.140           | 1.310                    | 1.341                    | 1.450                      |       |         |
|           |                 | Right Tilted      | 1.028         | 0.023             | 0.109           | 1.051                    | 1.137                    | 1.160                      |       |         |
|           |                 | Left Cheek        | 0.324         | 0.531             | 0.344           | 0.855                    | 0.668                    | 1.199                      |       |         |
|           |                 | Left Tilted       | 0.375         | 0.439             | 0.288           | 0.814                    | 0.663                    | 1.102                      |       |         |
|           | LTE Band 26_UAT | Right Cheek       | 0.518         | 0.109             | 0.140           | 0.627                    | 0.658                    | 0.767                      |       |         |
|           |                 | Right Tilted      | 0.123         | 0.023             | 0.109           | 0.146                    | 0.232                    | 0.255                      |       |         |
|           |                 | Left Cheek        | 0.885         | 0.531             | 0.344           | 1.416                    | 1.229                    | 1.760                      | 0.03  | 20      |
|           |                 | Left Tilted       | 0.148         | 0.439             | 0.288           | 0.587                    | 0.436                    | 0.875                      |       |         |
|           | LTE Band 30_UAT | Right Cheek       | 0.719         | 0.109             | 0.140           | 0.828                    | 0.859                    | 0.968                      |       |         |
|           |                 | Right Tilted      | 0.735         | 0.023             | 0.109           | 0.758                    | 0.844                    | 0.867                      |       |         |
|           |                 | Left Cheek        | 0.214         | 0.531             | 0.344           | 0.745                    | 0.558                    | 1.089                      |       |         |
|           |                 | Left Tilted       | 0.177         | 0.439             | 0.288           | 0.616                    | 0.465                    | 0.904                      |       |         |
|           | LTE Band 41_UAT | Right Cheek       | 1.185         | 0.109             | 0.140           | 1.294                    | 1.325                    | 1.434                      |       |         |
|           |                 | Right Tilted      | 0.520         | 0.023             | 0.109           | 0.543                    | 0.629                    | 0.652                      |       |         |
|           |                 | Left Cheek        | 0.176         | 0.531             | 0.344           | 0.707                    | 0.520                    | 1.051                      |       |         |
|           |                 | Left Tilted       | 0.209         | 0.439             | 0.288           | 0.648                    | 0.497                    | 0.936                      |       |         |
|           | LTE Band 48_UAT | Right Cheek       | 0.976         | 0.109             | 0.140           | 1.085                    | 1.116                    | 1.225                      |       |         |
|           |                 | Right Tilted      | 0.972         | 0.023             | 0.109           | 0.995                    | 1.081                    | 1.104                      |       |         |
|           |                 | Left Cheek        | 0.269         | 0.531             | 0.344           | 0.800                    | 0.613                    | 1.144                      |       |         |
|           |                 | Left Tilted       | 0.239         | 0.439             | 0.288           | 0.678                    | 0.527                    | 0.966                      |       |         |
|           | LTE Band 66_UAT | Right Cheek       | 1.157         | 0.109             | 0.140           | 1.266                    | 1.297                    | 1.406                      |       |         |
|           |                 | Right Tilted      | 1.179         | 0.023             | 0.109           | 1.202                    | 1.288                    | 1.311                      |       |         |
|           |                 | Left Cheek        | 0.303         | 0.531             | 0.344           | 0.834                    | 0.647                    | 1.178                      |       |         |
|           |                 | Left Tilted       | 0.325         | 0.439             | 0.288           | 0.764                    | 0.613                    | 1.052                      |       |         |
|           | LTE Band 71_UAT | Right Cheek       | 0.560         | 0.109             | 0.140           | 0.669                    | 0.700                    | 0.809                      |       |         |
|           |                 | Right Tilted      | 0.144         | 0.023             | 0.109           | 0.167                    | 0.253                    | 0.276                      |       |         |
|           |                 | Left Cheek        | 1.035         | 0.531             | 0.344           | 1.566                    | 1.379                    | 1.910                      | 0.03  | 21      |
|           |                 | Left Tilted       | 0.160         | 0.439             | 0.288           | 0.599                    | 0.448                    | 0.887                      |       |         |

| WWAN Band |                  | Exposure Position | 1             | 2                   | 3                 | 4               | 1+2 Summed 1g SAR (W/kg) | 1+3 Summed 1g SAR (W/kg) | 1+4 Summed 1g SAR (W/kg) | 1+3+4 Summed 1g SAR (W/kg) |
|-----------|------------------|-------------------|---------------|---------------------|-------------------|-----------------|--------------------------|--------------------------|--------------------------|----------------------------|
|           |                  |                   | WWAN          | 2.4GHz WLAN Ant 1+2 | 5GHz WLAN Ant 1+2 | Bluetooth Ant 1 |                          |                          |                          |                            |
|           |                  |                   | 1g SAR (W/kg) | 1g SAR (W/kg)       | 1g SAR (W/kg)     | 1g SAR (W/kg)   |                          |                          |                          |                            |
| GSM       | GSM850_LAT       | Right Cheek       | 0.144         | 0.209               | 0.109             | 0.140           | 0.353                    | 0.253                    | 0.284                    | 0.393                      |
|           |                  | Right Tilted      | 0.099         | 0.168               | 0.023             | 0.109           | 0.267                    | 0.122                    | 0.208                    | 0.231                      |
|           |                  | Left Cheek        | 0.210         | 0.923               | 0.531             | 0.344           | 1.133                    | 0.741                    | 0.554                    | 1.085                      |
|           |                  | Left Tilted       | 0.086         | 0.480               | 0.439             | 0.288           | 0.566                    | 0.525                    | 0.374                    | 0.813                      |
|           | GSM1900_LAT      | Right Cheek       | 0.127         | 0.209               | 0.109             | 0.140           | 0.336                    | 0.236                    | 0.267                    | 0.376                      |
|           |                  | Right Tilted      | 0.054         | 0.168               | 0.023             | 0.109           | 0.222                    | 0.077                    | 0.163                    | 0.186                      |
|           |                  | Left Cheek        | 0.072         | 0.923               | 0.531             | 0.344           | 0.995                    | 0.603                    | 0.416                    | 0.947                      |
|           |                  | Left Tilted       | 0.043         | 0.480               | 0.439             | 0.288           | 0.523                    | 0.482                    | 0.331                    | 0.770                      |
| WCDMA     | WCDMA II_LAT     | Right Cheek       | 0.302         | 0.209               | 0.109             | 0.140           | 0.511                    | 0.411                    | 0.442                    | 0.551                      |
|           |                  | Right Tilted      | 0.150         | 0.168               | 0.023             | 0.109           | 0.318                    | 0.173                    | 0.259                    | 0.282                      |
|           |                  | Left Cheek        | 0.181         | 0.923               | 0.531             | 0.344           | 1.104                    | 0.712                    | 0.525                    | 1.056                      |
|           |                  | Left Tilted       | 0.136         | 0.480               | 0.439             | 0.288           | 0.616                    | 0.575                    | 0.424                    | 0.863                      |
|           | WCDMA IV_LAT     | Right Cheek       | 0.303         | 0.209               | 0.109             | 0.140           | 0.512                    | 0.412                    | 0.443                    | 0.552                      |
|           |                  | Right Tilted      | 0.124         | 0.168               | 0.023             | 0.109           | 0.292                    | 0.147                    | 0.233                    | 0.256                      |
|           |                  | Left Cheek        | 0.202         | 0.923               | 0.531             | 0.344           | 1.125                    | 0.733                    | 0.546                    | 1.077                      |
|           |                  | Left Tilted       | 0.112         | 0.480               | 0.439             | 0.288           | 0.592                    | 0.551                    | 0.400                    | 0.839                      |
|           | WCDMA V_LAT      | Right Cheek       | 0.164         | 0.209               | 0.109             | 0.140           | 0.373                    | 0.273                    | 0.304                    | 0.413                      |
|           |                  | Right Tilted      | 0.102         | 0.168               | 0.023             | 0.109           | 0.270                    | 0.125                    | 0.211                    | 0.234                      |
|           |                  | Left Cheek        | 0.219         | 0.923               | 0.531             | 0.344           | 1.142                    | 0.750                    | 0.563                    | 1.094                      |
|           |                  | Left Tilted       | 0.089         | 0.480               | 0.439             | 0.288           | 0.569                    | 0.528                    | 0.377                    | 0.816                      |
| CDMA      | CDMA2000 BC0_LAT | Right Cheek       | 0.132         | 0.209               | 0.109             | 0.140           | 0.341                    | 0.241                    | 0.272                    | 0.381                      |
|           |                  | Right Tilted      | 0.105         | 0.168               | 0.023             | 0.109           | 0.273                    | 0.128                    | 0.214                    | 0.237                      |
|           |                  | Left Cheek        | 0.172         | 0.923               | 0.531             | 0.344           | 1.095                    | 0.703                    | 0.516                    | 1.047                      |
|           |                  | Left Tilted       | 0.080         | 0.480               | 0.439             | 0.288           | 0.560                    | 0.519                    | 0.368                    | 0.807                      |
|           | CDMA2000 BC1_LAT | Right Cheek       | 0.288         | 0.209               | 0.109             | 0.140           | 0.497                    | 0.397                    | 0.428                    | 0.537                      |
|           |                  | Right Tilted      | 0.151         | 0.168               | 0.023             | 0.109           | 0.319                    | 0.174                    | 0.260                    | 0.283                      |
|           |                  | Left Cheek        | 0.189         | 0.923               | 0.531             | 0.344           | 1.112                    | 0.720                    | 0.533                    | 1.064                      |
|           |                  | Left Tilted       | 0.124         | 0.480               | 0.439             | 0.288           | 0.604                    | 0.563                    | 0.412                    | 0.851                      |
| LTE       | LTE Band 2_LAT   | Right Cheek       | 0.274         | 0.209               | 0.109             | 0.140           | 0.483                    | 0.383                    | 0.414                    | 0.523                      |
|           |                  | Right Tilted      | 0.156         | 0.168               | 0.023             | 0.109           | 0.324                    | 0.179                    | 0.265                    | 0.288                      |
|           |                  | Left Cheek        | 0.178         | 0.923               | 0.531             | 0.344           | 1.101                    | 0.709                    | 0.522                    | 1.053                      |
|           |                  | Left Tilted       | 0.133         | 0.480               | 0.439             | 0.288           | 0.613                    | 0.572                    | 0.421                    | 0.860                      |
|           | LTE Band 5_LAT   | Right Cheek       | 0.122         | 0.209               | 0.109             | 0.140           | 0.331                    | 0.231                    | 0.262                    | 0.371                      |
|           |                  | Right Tilted      | 0.094         | 0.168               | 0.023             | 0.109           | 0.262                    | 0.117                    | 0.203                    | 0.226                      |
|           |                  | Left Cheek        | 0.174         | 0.923               | 0.531             | 0.344           | 1.097                    | 0.705                    | 0.518                    | 1.049                      |
|           |                  | Left Tilted       | 0.090         | 0.480               | 0.439             | 0.288           | 0.570                    | 0.529                    | 0.378                    | 0.817                      |
|           | LTE Band 7_LAT   | Right Cheek       | 0.091         | 0.209               | 0.109             | 0.140           | 0.300                    | 0.200                    | 0.231                    | 0.340                      |
|           |                  | Right Tilted      | 0.107         | 0.168               | 0.023             | 0.109           | 0.275                    | 0.130                    | 0.216                    | 0.239                      |
|           |                  | Left Cheek        | 0.124         | 0.923               | 0.531             | 0.344           | 1.047                    | 0.655                    | 0.468                    | 0.999                      |
|           |                  | Left Tilted       | 0.062         | 0.480               | 0.439             | 0.288           | 0.542                    | 0.501                    | 0.350                    | 0.789                      |



| WWAN Band |                 | Exposure Position | 1             | 2                   | 3                 | 4               | 1+2 Summed 1g SAR (W/kg) | 1+3 Summed 1g SAR (W/kg) | 1+4 Summed 1g SAR (W/kg) | 1+3+4 Summed 1g SAR (W/kg) |
|-----------|-----------------|-------------------|---------------|---------------------|-------------------|-----------------|--------------------------|--------------------------|--------------------------|----------------------------|
|           |                 |                   | WWAN          | 2.4GHz WLAN Ant 1+2 | 5GHz WLAN Ant 1+2 | Bluetooth Ant 1 |                          |                          |                          |                            |
|           |                 |                   | 1g SAR (W/kg) | 1g SAR (W/kg)       | 1g SAR (W/kg)     | 1g SAR (W/kg)   |                          |                          |                          |                            |
| LTE       | LTE Band 12_LAT | Right Cheek       | 0.110         | 0.209               | 0.109             | 0.140           | 0.319                    | 0.219                    | 0.250                    | 0.359                      |
|           |                 | Right Tilted      | 0.082         | 0.168               | 0.023             | 0.109           | 0.250                    | 0.105                    | 0.191                    | 0.214                      |
|           |                 | Left Cheek        | 0.160         | 0.923               | 0.531             | 0.344           | 1.083                    | 0.691                    | 0.504                    | 1.035                      |
|           |                 | Left Tilted       | 0.078         | 0.480               | 0.439             | 0.288           | 0.558                    | 0.517                    | 0.366                    | 0.805                      |
|           | LTE Band 13_LAT | Right Cheek       | 0.125         | 0.209               | 0.109             | 0.140           | 0.334                    | 0.234                    | 0.265                    | 0.374                      |
|           |                 | Right Tilted      | 0.076         | 0.168               | 0.023             | 0.109           | 0.244                    | 0.099                    | 0.185                    | 0.208                      |
|           |                 | Left Cheek        | 0.134         | 0.923               | 0.531             | 0.344           | 1.057                    | 0.665                    | 0.478                    | 1.009                      |
|           |                 | Left Tilted       | 0.073         | 0.480               | 0.439             | 0.288           | 0.553                    | 0.512                    | 0.361                    | 0.800                      |
|           | LTE Band 25_LAT | Right Cheek       | 0.202         | 0.209               | 0.109             | 0.140           | 0.411                    | 0.311                    | 0.342                    | 0.451                      |
|           |                 | Right Tilted      | 0.095         | 0.168               | 0.023             | 0.109           | 0.263                    | 0.118                    | 0.204                    | 0.227                      |
|           |                 | Left Cheek        | 0.137         | 0.923               | 0.531             | 0.344           | 1.060                    | 0.668                    | 0.481                    | 1.012                      |
|           |                 | Left Tilted       | 0.104         | 0.480               | 0.439             | 0.288           | 0.584                    | 0.543                    | 0.392                    | 0.831                      |
|           | LTE Band 26_LAT | Right Cheek       | 0.109         | 0.209               | 0.109             | 0.140           | 0.318                    | 0.218                    | 0.249                    | 0.358                      |
|           |                 | Right Tilted      | 0.081         | 0.168               | 0.023             | 0.109           | 0.249                    | 0.104                    | 0.190                    | 0.213                      |
|           |                 | Left Cheek        | 0.151         | 0.923               | 0.531             | 0.344           | 1.074                    | 0.682                    | 0.495                    | 1.026                      |
|           |                 | Left Tilted       | 0.057         | 0.480               | 0.439             | 0.288           | 0.537                    | 0.496                    | 0.345                    | 0.784                      |
|           | LTE Band 30_LAT | Right Cheek       | 0.161         | 0.209               | 0.109             | 0.140           | 0.370                    | 0.270                    | 0.301                    | 0.410                      |
|           |                 | Right Tilted      | 0.110         | 0.168               | 0.023             | 0.109           | 0.278                    | 0.133                    | 0.219                    | 0.242                      |
|           |                 | Left Cheek        | 0.149         | 0.923               | 0.531             | 0.344           | 1.072                    | 0.680                    | 0.493                    | 1.024                      |
|           |                 | Left Tilted       | 0.090         | 0.480               | 0.439             | 0.288           | 0.570                    | 0.529                    | 0.378                    | 0.817                      |
|           | LTE Band 41_LAT | Right Cheek       | 0.045         | 0.209               | 0.109             | 0.140           | 0.254                    | 0.154                    | 0.185                    | 0.294                      |
|           |                 | Right Tilted      | 0.059         | 0.168               | 0.023             | 0.109           | 0.227                    | 0.082                    | 0.168                    | 0.191                      |
|           |                 | Left Cheek        | 0.102         | 0.923               | 0.531             | 0.344           | 1.025                    | 0.633                    | 0.446                    | 0.977                      |
|           |                 | Left Tilted       | 0.036         | 0.480               | 0.439             | 0.288           | 0.516                    | 0.475                    | 0.324                    | 0.763                      |
|           | LTE Band 66_LAT | Right Cheek       | 0.263         | 0.209               | 0.109             | 0.140           | 0.472                    | 0.372                    | 0.403                    | 0.512                      |
|           |                 | Right Tilted      | 0.122         | 0.168               | 0.023             | 0.109           | 0.290                    | 0.145                    | 0.231                    | 0.254                      |
|           |                 | Left Cheek        | 0.117         | 0.923               | 0.531             | 0.344           | 1.040                    | 0.648                    | 0.461                    | 0.992                      |
|           |                 | Left Tilted       | 0.066         | 0.480               | 0.439             | 0.288           | 0.546                    | 0.505                    | 0.354                    | 0.793                      |
|           | LTE Band 71_LAT | Right Cheek       | 0.081         | 0.209               | 0.109             | 0.140           | 0.290                    | 0.190                    | 0.221                    | 0.330                      |
|           |                 | Right Tilted      | 0.056         | 0.168               | 0.023             | 0.109           | 0.224                    | 0.079                    | 0.165                    | 0.188                      |
|           |                 | Left Cheek        | 0.117         | 0.923               | 0.531             | 0.344           | 1.040                    | 0.648                    | 0.461                    | 0.992                      |
|           |                 | Left Tilted       | 0.063         | 0.480               | 0.439             | 0.288           | 0.543                    | 0.502                    | 0.351                    | 0.790                      |

**14.2 Hotspot Exposure Conditions**

| WWAN Band |                  | Exposure Position | 1             | 2                   | 1+2 Summed 1g SAR (W/kg) | SPLSR | Case No |
|-----------|------------------|-------------------|---------------|---------------------|--------------------------|-------|---------|
|           |                  |                   | WWAN          | 2.4GHz WLAN Ant 1+2 |                          |       |         |
|           |                  |                   | 1g SAR (W/kg) | 1g SAR (W/kg)       |                          |       |         |
| GSM       | GSM850_UAT       | Front             | 0.518         | 0.280               | <b>0.798</b>             |       |         |
|           |                  | Back              | 0.966         | 0.473               | <b>1.439</b>             |       |         |
|           |                  | Left side         | 1.118         | 0.013               | <b>1.131</b>             |       |         |
|           |                  | Right side        | 0.049         | 0.193               | <b>0.242</b>             |       |         |
|           |                  | Top side          | 0.028         | 0.202               | <b>0.230</b>             |       |         |
|           | GSM1900_UAT      | Front             | 0.439         | 0.280               | <b>0.719</b>             |       |         |
|           |                  | Back              | 0.644         | 0.473               | <b>1.117</b>             |       |         |
|           |                  | Left side         | 0.231         | 0.013               | <b>0.244</b>             |       |         |
|           |                  | Right side        | 0.012         | 0.193               | <b>0.205</b>             |       |         |
|           |                  | Top side          | 0.460         | 0.202               | <b>0.662</b>             |       |         |
| WCDMA     | WCDMA II_UAT     | Front             | 0.747         | 0.280               | <b>1.027</b>             |       |         |
|           |                  | Back              | 1.127         | 0.473               | <b>1.600</b>             | 0.03  | 9       |
|           |                  | Left side         | 0.505         | 0.013               | <b>0.518</b>             |       |         |
|           |                  | Right side        | 0.065         | 0.193               | <b>0.258</b>             |       |         |
|           |                  | Top side          | 0.797         | 0.202               | <b>0.999</b>             |       |         |
|           | WCDMA IV_UAT     | Front             | 0.692         | 0.280               | <b>0.972</b>             |       |         |
|           |                  | Back              | 1.186         | 0.473               | <b>1.659</b>             | 0.04  | 10      |
|           |                  | Left side         | 0.484         | 0.013               | <b>0.497</b>             |       |         |
|           |                  | Right side        | 0.071         | 0.193               | <b>0.264</b>             |       |         |
|           |                  | Top side          | 1.103         | 0.202               | <b>1.305</b>             |       |         |
|           | WCDMA V_UAT      | Front             | 0.491         | 0.280               | <b>0.771</b>             |       |         |
|           |                  | Back              | 1.054         | 0.473               | <b>1.527</b>             |       |         |
|           |                  | Left side         | 1.170         | 0.013               | <b>1.183</b>             |       |         |
|           |                  | Right side        | 0.050         | 0.193               | <b>0.243</b>             |       |         |
|           |                  | Top side          | 0.027         | 0.202               | <b>0.229</b>             |       |         |
| CDMA      | CDMA2000 BC0_UAT | Front             | 0.566         | 0.280               | <b>0.846</b>             |       |         |
|           |                  | Back              | 1.144         | 0.473               | <b>1.617</b>             | 0.03  | 12      |
|           |                  | Left side         | 0.986         | 0.013               | <b>0.999</b>             |       |         |
|           |                  | Right side        | 0.043         | 0.193               | <b>0.236</b>             |       |         |
|           |                  | Top side          | 0.027         | 0.202               | <b>0.229</b>             |       |         |
|           | CDMA2000 BC1_UAT | Front             | 0.756         | 0.280               | <b>1.036</b>             |       |         |
|           |                  | Back              | 1.018         | 0.473               | <b>1.491</b>             |       |         |
|           |                  | Left side         | 0.538         | 0.013               | <b>0.551</b>             |       |         |
|           |                  | Right side        | 0.089         | 0.193               | <b>0.282</b>             |       |         |
|           |                  | Top side          | 0.989         | 0.202               | <b>1.191</b>             |       |         |
| LTE       | LTE Band 5_UAT   | Front             | 0.452         | 0.280               | <b>0.732</b>             |       |         |
|           |                  | Back              | 0.968         | 0.473               | <b>1.441</b>             |       |         |
|           |                  | Left side         | 1.000         | 0.013               | <b>1.013</b>             |       |         |
|           |                  | Right side        | 0.019         | 0.193               | <b>0.212</b>             |       |         |
|           |                  | Top side          | 0.006         | 0.202               | <b>0.208</b>             |       |         |
|           | LTE Band 7_UAT   | Front             | 0.471         | 0.280               | <b>0.751</b>             |       |         |
|           |                  | Back              | 0.627         | 0.473               | <b>1.100</b>             |       |         |
|           |                  | Left side         | 0.865         | 0.013               | <b>0.878</b>             |       |         |
|           |                  | Right side        | 0.080         | 0.193               | <b>0.273</b>             |       |         |
|           |                  | Top side          | 0.489         | 0.202               | <b>0.691</b>             |       |         |



| WWAN Band |                 | Exposure Position | 1                | 2                      | 1+2 Summed<br>1g SAR (W/kg) | SPLSR | Case No |
|-----------|-----------------|-------------------|------------------|------------------------|-----------------------------|-------|---------|
|           |                 |                   | WWAN             | 2.4GHz WLAN<br>Ant 1+2 |                             |       |         |
|           |                 |                   | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg)       |                             |       |         |
| LTE       | LTE Band 12_UAT | Front             | 0.551            | 0.280                  | <b>0.831</b>                |       |         |
|           |                 | Back              | 0.966            | 0.473                  | <b>1.439</b>                |       |         |
|           |                 | Left side         | 1.179            | 0.013                  | <b>1.192</b>                |       |         |
|           |                 | Right side        | 0.060            | 0.193                  | <b>0.253</b>                |       |         |
|           |                 | Top side          | 0.021            | 0.202                  | <b>0.223</b>                |       |         |
|           | LTE Band 13_UAT | Front             | 0.386            | 0.280                  | <b>0.666</b>                |       |         |
|           |                 | Back              | 0.825            | 0.473                  | <b>1.298</b>                |       |         |
|           |                 | Left side         | 0.774            | 0.013                  | <b>0.787</b>                |       |         |
|           |                 | Right side        | 0.029            | 0.193                  | <b>0.222</b>                |       |         |
|           |                 | Top side          | 0.009            | 0.202                  | <b>0.211</b>                |       |         |
|           | LTE Band 25_UAT | Front             | 0.596            | 0.280                  | <b>0.876</b>                |       |         |
|           |                 | Back              | 0.744            | 0.473                  | <b>1.217</b>                |       |         |
|           |                 | Left side         | 0.471            | 0.013                  | <b>0.484</b>                |       |         |
|           |                 | Right side        | 0.075            | 0.193                  | <b>0.268</b>                |       |         |
|           |                 | Top side          | 0.874            | 0.202                  | <b>1.076</b>                |       |         |
|           | LTE Band 26_UAT | Front             | 0.431            | 0.280                  | <b>0.711</b>                |       |         |
|           |                 | Back              | 0.875            | 0.473                  | <b>1.348</b>                |       |         |
|           |                 | Left side         | 0.793            | 0.013                  | <b>0.806</b>                |       |         |
|           |                 | Right side        | 0.024            | 0.193                  | <b>0.217</b>                |       |         |
|           |                 | Top side          | 0.011            | 0.202                  | <b>0.213</b>                |       |         |
|           | LTE Band 30_UAT | Front             | 0.546            | 0.280                  | <b>0.826</b>                |       |         |
|           |                 | Back              | 0.588            | 0.473                  | <b>1.061</b>                |       |         |
|           |                 | Left side         | 0.711            | 0.013                  | <b>0.724</b>                |       |         |
|           |                 | Right side        | 0.080            | 0.193                  | <b>0.273</b>                |       |         |
|           |                 | Top side          | 0.340            | 0.202                  | <b>0.542</b>                |       |         |
|           | LTE Band 41_UAT | Front             | 0.210            | 0.280                  | <b>0.490</b>                |       |         |
|           |                 | Back              | 0.268            | 0.473                  | <b>0.741</b>                |       |         |
|           |                 | Left side         | 0.631            | 0.013                  | <b>0.534</b>                |       |         |
|           |                 | Right side        | 0.012            | 0.193                  | <b>0.205</b>                |       |         |
|           |                 | Top side          | 0.240            | 0.202                  | <b>0.442</b>                |       |         |
|           | LTE Band 48_UAT | Front             | 0.895            | 0.280                  | <b>1.175</b>                |       |         |
|           |                 | Back              | 0.735            | 0.473                  | <b>1.208</b>                |       |         |
|           |                 | Left side         | 0.513            | 0.013                  | <b>0.526</b>                |       |         |
|           |                 | Right side        | 0.106            | 0.193                  | <b>0.299</b>                |       |         |
|           |                 | Top side          | 0.526            | 0.202                  | <b>0.728</b>                |       |         |
|           | LTE Band 66_UAT | Front             | 0.670            | 0.280                  | <b>0.950</b>                |       |         |
|           |                 | Back              | 0.817            | 0.473                  | <b>1.290</b>                |       |         |
|           |                 | Left side         | 0.429            | 0.013                  | <b>0.442</b>                |       |         |
|           |                 | Right side        | 0.006            | 0.193                  | <b>0.199</b>                |       |         |
|           |                 | Top side          | 0.996            | 0.202                  | <b>1.198</b>                |       |         |
|           | LTE Band 71_UAT | Front             | 0.465            | 0.280                  | <b>0.745</b>                |       |         |
|           |                 | Back              | 0.837            | 0.473                  | <b>1.310</b>                |       |         |
|           |                 | Left side         | 0.952            | 0.013                  | <b>0.965</b>                |       |         |
|           |                 | Right side        | 0.079            | 0.193                  | <b>0.272</b>                |       |         |
|           |                 | Top side          | 0.018            | 0.202                  | <b>0.220</b>                |       |         |

| WWAN Band |                  | Exposure Position | 1             | 3                 | 4               | 1+3 Summed 1g SAR (W/kg) | 1+4 Summed 1g SAR (W/kg) | 1+3+4 Summed 1g SAR (W/kg) | SPLSR | Case No |
|-----------|------------------|-------------------|---------------|-------------------|-----------------|--------------------------|--------------------------|----------------------------|-------|---------|
|           |                  |                   | WWAN          | 5GHz WLAN Ant 1+2 | Bluetooth Ant 1 |                          |                          |                            |       |         |
|           |                  |                   | 1g SAR (W/kg) | 1g SAR (W/kg)     | 1g SAR (W/kg)   |                          |                          |                            |       |         |
| GSM       | GSM850_UAT       | Front             | 0.212         | 0.069             | 0.036           | 0.281                    | 0.248                    | 0.317                      |       |         |
|           |                  | Back              | 0.466         | 1.082             | 0.042           | 1.548                    | 0.508                    | 1.590                      |       |         |
|           |                  | Left side         | 0.379         | 0.065             | 0.006           | 0.444                    | 0.385                    | 0.450                      |       |         |
|           |                  | Right side        | 0.026         | 0.662             | 0.018           | 0.688                    | 0.044                    | 0.706                      |       |         |
|           |                  | Top side          | 0.017         | 0.308             | 0.022           | 0.325                    | 0.039                    | 0.347                      |       |         |
|           | GSM1900_UAT      | Front             | 0.313         | 0.069             | 0.036           | 0.382                    | 0.349                    | 0.418                      |       |         |
|           |                  | Back              | 0.534         | 1.082             | 0.042           | 1.616                    | 0.576                    | 1.658                      | 0.04  | 23      |
|           |                  | Left side         | 0.243         | 0.065             | 0.006           | 0.308                    | 0.249                    | 0.314                      |       |         |
|           |                  | Right side        | 0.005         | 0.662             | 0.018           | 0.667                    | 0.023                    | 0.685                      |       |         |
|           |                  | Top side          | 0.347         | 0.308             | 0.022           | 0.655                    | 0.369                    | 0.677                      |       |         |
| WCDMA     | WCDMA II_UAT     | Front             | 0.337         | 0.069             | 0.036           | 0.406                    | 0.373                    | 0.442                      |       |         |
|           |                  | Back              | 0.465         | 1.082             | 0.042           | 1.547                    | 0.507                    | 1.589                      |       |         |
|           |                  | Left side         | 0.233         | 0.065             | 0.006           | 0.298                    | 0.239                    | 0.304                      |       |         |
|           |                  | Right side        | 0.042         | 0.662             | 0.018           | 0.704                    | 0.060                    | 0.722                      |       |         |
|           |                  | Top side          | 0.395         | 0.308             | 0.022           | 0.703                    | 0.417                    | 0.725                      |       |         |
|           | WCDMA IV_UAT     | Front             | 0.301         | 0.069             | 0.036           | 0.370                    | 0.337                    | 0.406                      |       |         |
|           |                  | Back              | 0.374         | 1.082             | 0.042           | 1.456                    | 0.416                    | 1.498                      |       |         |
|           |                  | Left side         | 0.222         | 0.065             | 0.006           | 0.287                    | 0.228                    | 0.293                      |       |         |
|           |                  | Right side        | 0.024         | 0.662             | 0.018           | 0.686                    | 0.042                    | 0.704                      |       |         |
|           |                  | Top side          | 0.475         | 0.308             | 0.022           | 0.783                    | 0.497                    | 0.805                      |       |         |
|           | WCDMA V_UAT      | Front             | 0.234         | 0.069             | 0.036           | 0.303                    | 0.270                    | 0.339                      |       |         |
|           |                  | Back              | 0.388         | 1.082             | 0.042           | 1.470                    | 0.430                    | 1.512                      |       |         |
|           |                  | Left side         | 0.394         | 0.065             | 0.006           | 0.459                    | 0.400                    | 0.465                      |       |         |
|           |                  | Right side        | 0.024         | 0.662             | 0.018           | 0.686                    | 0.042                    | 0.704                      |       |         |
|           |                  | Top side          | 0.014         | 0.308             | 0.022           | 0.322                    | 0.036                    | 0.344                      |       |         |
| CDMA      | CDMA2000 BC0_UAT | Front             | 0.225         | 0.069             | 0.036           | 0.294                    | 0.261                    | 0.330                      |       |         |
|           |                  | Back              | 0.352         | 1.082             | 0.042           | 1.434                    | 0.394                    | 1.476                      |       |         |
|           |                  | Left side         | 0.488         | 0.065             | 0.006           | 0.553                    | 0.494                    | 0.559                      |       |         |
|           |                  | Right side        | 0.029         | 0.662             | 0.018           | 0.691                    | 0.047                    | 0.709                      |       |         |
|           |                  | Top side          | 0.014         | 0.308             | 0.022           | 0.322                    | 0.036                    | 0.344                      |       |         |
|           | CDMA2000 BC1_UAT | Front             | 0.294         | 0.069             | 0.036           | 0.363                    | 0.330                    | 0.399                      |       |         |
|           |                  | Back              | 0.323         | 1.082             | 0.042           | 1.405                    | 0.365                    | 1.447                      |       |         |
|           |                  | Left side         | 0.235         | 0.065             | 0.006           | 0.300                    | 0.241                    | 0.306                      |       |         |
|           |                  | Right side        | 0.002         | 0.662             | 0.018           | 0.664                    | 0.020                    | 0.682                      |       |         |
|           |                  | Top side          | 0.320         | 0.308             | 0.022           | 0.628                    | 0.342                    | 0.650                      |       |         |
| LTE       | LTE Band 5_UAT   | Front             | 0.165         | 0.069             | 0.036           | 0.234                    | 0.201                    | 0.270                      |       |         |
|           |                  | Back              | 0.318         | 1.082             | 0.042           | 1.400                    | 0.360                    | 1.442                      |       |         |
|           |                  | Left side         | 0.258         | 0.065             | 0.006           | 0.323                    | 0.264                    | 0.329                      |       |         |
|           |                  | Right side        | 0.008         | 0.662             | 0.018           | 0.670                    | 0.026                    | 0.688                      |       |         |
|           |                  | Top side          | 0.001         | 0.308             | 0.022           | 0.309                    | 0.023                    | 0.331                      |       |         |
|           | LTE Band 7_UAT   | Front             | 0.293         | 0.069             | 0.036           | 0.362                    | 0.329                    | 0.398                      |       |         |
|           |                  | Back              | 0.343         | 1.082             | 0.042           | 1.425                    | 0.385                    | 1.467                      |       |         |
|           |                  | Left side         | 0.611         | 0.065             | 0.006           | 0.676                    | 0.617                    | 0.682                      |       |         |
|           |                  | Right side        | 0.052         | 0.662             | 0.018           | 0.714                    | 0.070                    | 0.732                      |       |         |
|           |                  | Top side          | 0.324         | 0.308             | 0.022           | 0.632                    | 0.346                    | 0.654                      |       |         |

| WWAN Band |                 | Exposure Position | 1             | 3                 | 4               | 1+3 Summed 1g SAR (W/kg) | 1+4 Summed 1g SAR (W/kg) | 1+3+4 Summed 1g SAR (W/kg) | SPLSR | Case No |
|-----------|-----------------|-------------------|---------------|-------------------|-----------------|--------------------------|--------------------------|----------------------------|-------|---------|
|           |                 |                   | WWAN          | 5GHz WLAN Ant 1+2 | Bluetooth Ant 1 |                          |                          |                            |       |         |
|           |                 |                   | 1g SAR (W/kg) | 1g SAR (W/kg)     | 1g SAR (W/kg)   |                          |                          |                            |       |         |
| LTE       | LTE Band 12_UAT | Front             | 0.221         | 0.069             | 0.036           | 0.290                    | 0.257                    | 0.326                      |       |         |
|           |                 | Back              | 0.325         | 1.082             | 0.042           | 1.407                    | 0.367                    | 1.449                      |       |         |
|           |                 | Left side         | 0.491         | 0.065             | 0.006           | 0.556                    | 0.497                    | 0.562                      |       |         |
|           |                 | Right side        | 0.046         | 0.662             | 0.018           | 0.708                    | 0.064                    | 0.726                      |       |         |
|           |                 | Top side          | 0.010         | 0.308             | 0.022           | 0.318                    | 0.032                    | 0.340                      |       |         |
|           | LTE Band 13_UAT | Front             | 0.213         | 0.069             | 0.036           | 0.282                    | 0.249                    | 0.318                      |       |         |
|           |                 | Back              | 0.446         | 1.082             | 0.042           | 1.528                    | 0.488                    | 1.570                      |       |         |
|           |                 | Left side         | 0.477         | 0.065             | 0.006           | 0.542                    | 0.483                    | 0.548                      |       |         |
|           |                 | Right side        | 0.018         | 0.662             | 0.018           | 0.680                    | 0.036                    | 0.698                      |       |         |
|           |                 | Top side          | 0.002         | 0.308             | 0.022           | 0.310                    | 0.024                    | 0.332                      |       |         |
|           | LTE Band 25_UAT | Front             | 0.326         | 0.069             | 0.036           | 0.395                    | 0.362                    | 0.431                      |       |         |
|           |                 | Back              | 0.563         | 1.082             | 0.042           | 1.645                    | 0.605                    | 1.687                      | 0.04  | 28      |
|           |                 | Left side         | 0.224         | 0.065             | 0.006           | 0.289                    | 0.230                    | 0.295                      |       |         |
|           |                 | Right side        | 0.049         | 0.662             | 0.018           | 0.711                    | 0.067                    | 0.729                      |       |         |
|           |                 | Top side          | 0.370         | 0.308             | 0.022           | 0.678                    | 0.392                    | 0.700                      |       |         |
|           | LTE Band 26_UAT | Front             | 0.229         | 0.069             | 0.036           | 0.298                    | 0.265                    | 0.334                      |       |         |
|           |                 | Back              | 0.456         | 1.082             | 0.042           | 1.538                    | 0.498                    | 1.580                      |       |         |
|           |                 | Left side         | 0.348         | 0.065             | 0.006           | 0.413                    | 0.354                    | 0.419                      |       |         |
|           |                 | Right side        | 0.009         | 0.662             | 0.018           | 0.671                    | 0.027                    | 0.689                      |       |         |
|           |                 | Top side          | 0.004         | 0.308             | 0.022           | 0.312                    | 0.026                    | 0.334                      |       |         |
|           | LTE Band 30_UAT | Front             | 0.546         | 0.069             | 0.036           | 0.615                    | 0.582                    | 0.651                      |       |         |
|           |                 | Back              | 0.588         | 1.082             | 0.042           | 1.670                    | 0.630                    | 1.712                      | 0.04  | 30      |
|           |                 | Left side         | 0.711         | 0.065             | 0.006           | 0.776                    | 0.717                    | 0.782                      |       |         |
|           |                 | Right side        | 0.080         | 0.662             | 0.018           | 0.742                    | 0.098                    | 0.760                      |       |         |
|           |                 | Top side          | 0.340         | 0.308             | 0.022           | 0.648                    | 0.362                    | 0.670                      |       |         |
|           | LTE Band 41_UAT | Front             | 0.210         | 0.069             | 0.036           | 0.279                    | 0.246                    | 0.315                      |       |         |
|           |                 | Back              | 0.268         | 1.082             | 0.042           | 1.350                    | 0.310                    | 1.392                      |       |         |
|           |                 | Left side         | 0.631         | 0.065             | 0.006           | 0.586                    | 0.527                    | 0.592                      |       |         |
|           |                 | Right side        | 0.012         | 0.662             | 0.018           | 0.674                    | 0.030                    | 0.692                      |       |         |
|           |                 | Top side          | 0.240         | 0.308             | 0.022           | 0.548                    | 0.262                    | 0.570                      |       |         |
|           | LTE Band 48_UAT | Front             | 0.378         | 0.069             | 0.036           | 0.447                    | 0.414                    | 0.483                      |       |         |
|           |                 | Back              | 0.293         | 1.082             | 0.042           | 1.375                    | 0.335                    | 1.417                      |       |         |
|           |                 | Left side         | 0.287         | 0.065             | 0.006           | 0.352                    | 0.293                    | 0.358                      |       |         |
|           |                 | Right side        | 0.099         | 0.662             | 0.018           | 0.761                    | 0.117                    | 0.779                      |       |         |
|           |                 | Top side          | 0.220         | 0.308             | 0.022           | 0.528                    | 0.242                    | 0.550                      |       |         |
|           | LTE Band 66_UAT | Front             | 0.285         | 0.069             | 0.036           | 0.354                    | 0.321                    | 0.390                      |       |         |
|           |                 | Back              | 0.322         | 1.082             | 0.042           | 1.404                    | 0.364                    | 1.446                      |       |         |
|           |                 | Left side         | 0.213         | 0.065             | 0.006           | 0.278                    | 0.219                    | 0.284                      |       |         |
|           |                 | Right side        | 0.001         | 0.662             | 0.018           | 0.663                    | 0.019                    | 0.681                      |       |         |
|           |                 | Top side          | 0.484         | 0.308             | 0.022           | 0.792                    | 0.506                    | 0.814                      |       |         |
|           | LTE Band 71_UAT | Front             | 0.170         | 0.069             | 0.036           | 0.239                    | 0.206                    | 0.275                      |       |         |
|           |                 | Back              | 0.285         | 1.082             | 0.042           | 1.367                    | 0.327                    | 1.409                      |       |         |
|           |                 | Left side         | 0.335         | 0.065             | 0.006           | 0.400                    | 0.341                    | 0.406                      |       |         |
|           |                 | Right side        | 0.050         | 0.662             | 0.018           | 0.712                    | 0.068                    | 0.730                      |       |         |
|           |                 | Top side          | 0.007         | 0.308             | 0.022           | 0.315                    | 0.029                    | 0.337                      |       |         |



| WWAN Band |                  | Exposure Position | 1             | 2                   | 3                 | 4               | 1+2                  | 1+3                  | 1+4                  | 1+3+4                | SPLSR | Case No |
|-----------|------------------|-------------------|---------------|---------------------|-------------------|-----------------|----------------------|----------------------|----------------------|----------------------|-------|---------|
|           |                  |                   | WWAN          | 2.4GHz WLAN Ant 1+2 | 5GHz WLAN Ant 1+2 | Bluetooth Ant 1 | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) |       |         |
|           |                  |                   | 1g SAR (W/kg) | 1g SAR (W/kg)       | 1g SAR (W/kg)     | 1g SAR (W/kg)   |                      |                      |                      |                      |       |         |
| GSM       | GSM850_LAT       | Front             | 0.157         | 0.280               | 0.069             | 0.036           | 0.437                | 0.226                | 0.193                | 0.262                |       |         |
|           |                  | Back              | 0.172         | 0.473               | 1.082             | 0.042           | 0.645                | 1.254                | 0.214                | 1.296                |       |         |
|           |                  | Left side         | 0.116         | 0.013               | 0.065             | 0.006           | 0.129                | 0.181                | 0.122                | 0.187                |       |         |
|           |                  | Right side        | 0.113         | 0.193               | 0.662             | 0.018           | 0.306                | 0.775                | 0.131                | 0.793                |       |         |
|           |                  | Bottom side       | 0.148         |                     |                   |                 | 0.148                | 0.148                | 0.148                | 0.148                |       |         |
|           | GSM1900_LAT      | Front             | 0.530         | 0.280               | 0.069             | 0.036           | 0.810                | 0.599                | 0.566                | 0.635                |       |         |
|           |                  | Back              | 0.580         | 0.473               | 1.082             | 0.042           | 1.053                | 1.662                | 0.622                | 1.704                | 0.02  | 31      |
|           |                  | Left side         | 0.183         | 0.013               | 0.065             | 0.006           | 0.196                | 0.248                | 0.189                | 0.254                |       |         |
|           |                  | Right side        | 0.101         | 0.193               | 0.662             | 0.018           | 0.294                | 0.763                | 0.119                | 0.781                |       |         |
|           |                  | Bottom side       | 1.088         |                     |                   |                 | 1.088                | 1.088                | 1.088                | 1.088                |       |         |
| WCDMA     | WCDMA II_LAT     | Front             | 0.719         | 0.280               | 0.069             | 0.036           | 0.999                | 0.788                | 0.755                | 0.824                |       |         |
|           |                  | Back              | 0.825         | 0.473               | 1.082             | 0.042           | 1.298                | 1.907                | 0.867                | 1.949                | 0.02  | 32      |
|           |                  | Left side         | 0.165         | 0.013               | 0.065             | 0.006           | 0.178                | 0.230                | 0.171                | 0.236                |       |         |
|           |                  | Right side        | 0.147         | 0.193               | 0.662             | 0.018           | 0.340                | 0.809                | 0.165                | 0.827                |       |         |
|           |                  | Bottom side       | 1.115         |                     |                   |                 | 1.115                | 1.115                | 1.115                | 1.115                |       |         |
|           | WCDMA IV_LAT     | Front             | 0.721         | 0.280               | 0.069             | 0.036           | 1.001                | 0.790                | 0.757                | 0.826                |       |         |
|           |                  | Back              | 0.834         | 0.473               | 1.082             | 0.042           | 1.307                | 1.916                | 0.876                | 1.958                | 0.02  | 33      |
|           |                  | Left side         | 0.397         | 0.013               | 0.065             | 0.006           | 0.410                | 0.462                | 0.403                | 0.468                |       |         |
|           |                  | Right side        | 0.248         | 0.193               | 0.662             | 0.018           | 0.441                | 0.910                | 0.266                | 0.928                |       |         |
|           |                  | Bottom side       | 1.136         |                     |                   |                 | 1.136                | 1.136                | 1.136                | 1.136                |       |         |
|           | WCDMA V_LAT      | Front             | 0.158         | 0.280               | 0.069             | 0.036           | 0.438                | 0.227                | 0.194                | 0.263                |       |         |
|           |                  | Back              | 0.175         | 0.473               | 1.082             | 0.042           | 0.648                | 1.257                | 0.217                | 1.299                |       |         |
|           |                  | Left side         | 0.123         | 0.013               | 0.065             | 0.006           | 0.136                | 0.188                | 0.129                | 0.194                |       |         |
|           |                  | Right side        | 0.121         | 0.193               | 0.662             | 0.018           | 0.314                | 0.783                | 0.139                | 0.801                |       |         |
|           |                  | Bottom side       | 0.187         |                     |                   |                 | 0.187                | 0.187                | 0.187                | 0.187                |       |         |
| CDMA      | CDMA2000 BC0_LAT | Front             | 0.187         | 0.280               | 0.069             | 0.036           | 0.467                | 0.256                | 0.223                | 0.292                |       |         |
|           |                  | Back              | 0.225         | 0.473               | 1.082             | 0.042           | 0.698                | 1.307                | 0.267                | 1.349                |       |         |
|           |                  | Left side         | 0.119         | 0.013               | 0.065             | 0.006           | 0.132                | 0.184                | 0.125                | 0.190                |       |         |
|           |                  | Right side        | 0.134         | 0.193               | 0.662             | 0.018           | 0.327                | 0.796                | 0.152                | 0.814                |       |         |
|           |                  | Bottom side       | 0.245         |                     |                   |                 | 0.245                | 0.245                | 0.245                | 0.245                |       |         |
|           | CDMA2000 BC1_LAT | Front             | 0.552         | 0.280               | 0.069             | 0.036           | 0.832                | 0.621                | 0.588                | 0.657                |       |         |
|           |                  | Back              | 0.737         | 0.473               | 1.082             | 0.042           | 1.210                | 1.819                | 0.779                | 1.861                | 0.02  | 34      |
|           |                  | Left side         | 0.151         | 0.013               | 0.065             | 0.006           | 0.164                | 0.216                | 0.157                | 0.222                |       |         |
|           |                  | Right side        | 0.102         | 0.193               | 0.662             | 0.018           | 0.295                | 0.764                | 0.120                | 0.782                |       |         |
|           |                  | Bottom side       | 0.973         |                     |                   |                 | 0.973                | 0.973                | 0.973                | 0.973                |       |         |
| LTE       | LTE Band 5_LAT   | Front             | 0.169         | 0.280               | 0.069             | 0.036           | 0.449                | 0.238                | 0.205                | 0.274                |       |         |
|           |                  | Back              | 0.201         | 0.473               | 1.082             | 0.042           | 0.674                | 1.283                | 0.243                | 1.325                |       |         |
|           |                  | Left side         | 0.094         | 0.013               | 0.065             | 0.006           | 0.107                | 0.159                | 0.100                | 0.165                |       |         |
|           |                  | Right side        | 0.082         | 0.193               | 0.662             | 0.018           | 0.275                | 0.744                | 0.100                | 0.762                |       |         |
|           |                  | Bottom side       | 0.183         |                     |                   |                 | 0.183                | 0.183                | 0.183                | 0.183                |       |         |
|           | LTE Band 7_LAT   | Front             | 0.337         | 0.280               | 0.069             | 0.036           | 0.617                | 0.406                | 0.373                | 0.442                |       |         |
|           |                  | Back              | 0.504         | 0.473               | 1.082             | 0.042           | 0.977                | 1.586                | 0.546                | 1.628                | 0.01  | 36      |
|           |                  | Left side         | 0.187         | 0.013               | 0.065             | 0.006           | 0.200                | 0.252                | 0.193                | 0.258                |       |         |
|           |                  | Right side        | 0.106         | 0.193               | 0.662             | 0.018           | 0.299                | 0.768                | 0.124                | 0.786                |       |         |
|           |                  | Bottom side       | 0.959         |                     |                   |                 | 0.959                | 0.959                | 0.959                | 0.959                |       |         |

| WWAN Band |                 | Exposure Position | 1                | 2                         | 3                       | 4                  | 1+2<br>Summed<br>1g SAR<br>(W/kg) | 1+3<br>Summed<br>1g SAR<br>(W/kg) | 1+4<br>Summed<br>1g SAR<br>(W/kg) | 1+3+4<br>Summed<br>1g SAR<br>(W/kg) | SPLSR | Case No |
|-----------|-----------------|-------------------|------------------|---------------------------|-------------------------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------------------|-------|---------|
|           |                 |                   | WWAN             | 2.4GHz<br>WLAN<br>Ant 1+2 | 5GHz<br>WLAN<br>Ant 1+2 | Bluetooth<br>Ant 1 |                                   |                                   |                                   |                                     |       |         |
|           |                 |                   | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg)          | 1g SAR<br>(W/kg)        | 1g SAR<br>(W/kg)   |                                   |                                   |                                   |                                     |       |         |
| LTE       | LTE Band 12_LAT | Front             | 0.198            | 0.280                     | 0.069                   | 0.036              | 0.478                             | 0.267                             | 0.234                             | 0.303                               |       |         |
|           |                 | Back              | 0.239            | 0.473                     | 1.082                   | 0.042              | 0.712                             | 1.321                             | 0.281                             | 1.363                               |       |         |
|           |                 | Left side         | 0.149            | 0.013                     | 0.065                   | 0.006              | 0.162                             | 0.214                             | 0.155                             | 0.220                               |       |         |
|           |                 | Right side        | 0.254            | 0.193                     | 0.662                   | 0.018              | 0.447                             | 0.916                             | 0.272                             | 0.934                               |       |         |
|           |                 | Bottom side       | 0.104            |                           |                         |                    | 0.104                             | 0.104                             | 0.104                             | 0.104                               |       |         |
|           | LTE Band 13_LAT | Front             | 0.186            | 0.280                     | 0.069                   | 0.036              | 0.466                             | 0.255                             | 0.222                             | 0.291                               |       |         |
|           |                 | Back              | 0.286            | 0.473                     | 1.082                   | 0.042              | 0.759                             | 1.368                             | 0.328                             | 1.410                               |       |         |
|           |                 | Left side         | 0.228            | 0.013                     | 0.065                   | 0.006              | 0.241                             | 0.293                             | 0.234                             | 0.299                               |       |         |
|           |                 | Right side        | 0.138            | 0.193                     | 0.662                   | 0.018              | 0.331                             | 0.800                             | 0.156                             | 0.818                               |       |         |
|           |                 | Bottom side       | 0.164            |                           |                         |                    | 0.164                             | 0.164                             | 0.164                             | 0.164                               |       |         |
|           | LTE Band 25_LAT | Front             | 0.464            | 0.280                     | 0.069                   | 0.036              | 0.744                             | 0.533                             | 0.500                             | 0.569                               |       |         |
|           |                 | Back              | 0.705            | 0.473                     | 1.082                   | 0.042              | 1.178                             | 1.787                             | 0.747                             | 1.829                               | 0.02  | 37      |
|           |                 | Left side         | 0.150            | 0.013                     | 0.065                   | 0.006              | 0.163                             | 0.215                             | 0.156                             | 0.221                               |       |         |
|           |                 | Right side        | 0.128            | 0.193                     | 0.662                   | 0.018              | 0.321                             | 0.790                             | 0.146                             | 0.808                               |       |         |
|           |                 | Bottom side       | 1.052            |                           |                         |                    | 1.052                             | 1.052                             | 1.052                             | 1.052                               |       |         |
|           | LTE Band 26_LAT | Front             | 0.133            | 0.280                     | 0.069                   | 0.036              | 0.413                             | 0.202                             | 0.169                             | 0.238                               |       |         |
|           |                 | Back              | 0.182            | 0.473                     | 1.082                   | 0.042              | 0.655                             | 1.264                             | 0.224                             | 1.306                               |       |         |
|           |                 | Left side         | 0.131            | 0.013                     | 0.065                   | 0.006              | 0.144                             | 0.196                             | 0.137                             | 0.202                               |       |         |
|           |                 | Right side        | 0.082            | 0.193                     | 0.662                   | 0.018              | 0.275                             | 0.744                             | 0.100                             | 0.762                               |       |         |
|           |                 | Bottom side       | 0.158            |                           |                         |                    | 0.158                             | 0.158                             | 0.158                             | 0.158                               |       |         |
|           | LTE Band 30_LAT | Front             | 0.854            | 0.280                     | 0.069                   | 0.036              | 1.134                             | 0.923                             | 0.890                             | 0.959                               |       |         |
|           |                 | Back              | 0.986            | 0.473                     | 1.082                   | 0.042              | 1.459                             | 2.068                             | 1.028                             | 2.110                               | 0.02  | 38      |
|           |                 | Left side         | 0.250            | 0.013                     | 0.065                   | 0.006              | 0.263                             | 0.315                             | 0.256                             | 0.321                               |       |         |
|           |                 | Right side        | 0.144            | 0.193                     | 0.662                   | 0.018              | 0.337                             | 0.806                             | 0.162                             | 0.824                               |       |         |
|           |                 | Bottom side       | 1.193            |                           |                         |                    | 1.193                             | 1.193                             | 1.193                             | 1.193                               |       |         |
|           | LTE Band 41_LAT | Front             | 0.225            | 0.280                     | 0.069                   | 0.036              | 0.505                             | 0.294                             | 0.261                             | 0.330                               |       |         |
|           |                 | Back              | 0.494            | 0.473                     | 1.082                   | 0.042              | 0.967                             | 1.576                             | 0.536                             | 1.618                               | 0.01  | 39      |
|           |                 | Left side         | 0.070            | 0.013                     | 0.065                   | 0.006              | 0.083                             | 0.135                             | 0.076                             | 0.141                               |       |         |
|           |                 | Right side        | 0.046            | 0.193                     | 0.662                   | 0.018              | 0.239                             | 0.708                             | 0.064                             | 0.726                               |       |         |
|           |                 | Bottom side       | 0.971            |                           |                         |                    | 0.971                             | 0.971                             | 0.971                             | 0.971                               |       |         |
|           | LTE Band 66_LAT | Front             | 0.432            | 0.280                     | 0.069                   | 0.036              | 0.712                             | 0.501                             | 0.468                             | 0.537                               |       |         |
|           |                 | Back              | 0.542            | 0.473                     | 1.082                   | 0.042              | 1.015                             | 1.624                             | 0.584                             | 1.666                               | 0.01  | 40      |
|           |                 | Left side         | 0.142            | 0.013                     | 0.065                   | 0.006              | 0.155                             | 0.207                             | 0.148                             | 0.213                               |       |         |
|           |                 | Right side        | 0.183            | 0.193                     | 0.662                   | 0.018              | 0.376                             | 0.845                             | 0.201                             | 0.863                               |       |         |
|           |                 | Bottom side       | 1.187            |                           |                         |                    | 1.187                             | 1.187                             | 1.187                             | 1.187                               |       |         |
|           | LTE Band 71_LAT | Front             | 0.160            | 0.280                     | 0.069                   | 0.036              | 0.440                             | 0.229                             | 0.196                             | 0.265                               |       |         |
|           |                 | Back              | 0.258            | 0.473                     | 1.082                   | 0.042              | 0.731                             | 1.340                             | 0.300                             | 1.382                               |       |         |
|           |                 | Left side         | 0.131            | 0.013                     | 0.065                   | 0.006              | 0.144                             | 0.196                             | 0.137                             | 0.202                               |       |         |
|           |                 | Right side        | 0.127            | 0.193                     | 0.662                   | 0.018              | 0.320                             | 0.789                             | 0.145                             | 0.807                               |       |         |
|           |                 | Bottom side       | 0.077            |                           |                         |                    | 0.077                             | 0.077                             | 0.077                             | 0.077                               |       |         |

**14.3 Body-Worn Accessory Exposure Conditions**

| WWAN Band |                  | Exposure Position | 1                | 2                      | 1+2<br>Summed<br>1g SAR (W/kg) |
|-----------|------------------|-------------------|------------------|------------------------|--------------------------------|
|           |                  |                   | WWAN             | 2.4GHz WLAN<br>Ant 1+2 |                                |
|           |                  |                   | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg)       |                                |
| GSM       | GSM850_UAT       | Front             | 0.392            | 0.148                  | <b>0.540</b>                   |
|           |                  | Back              | 0.561            | 0.266                  | <b>0.827</b>                   |
|           | GSM1900_UAT      | Front             | 0.178            | 0.148                  | <b>0.326</b>                   |
|           |                  | Back              | 0.207            | 0.266                  | <b>0.473</b>                   |
| WCDMA     | WCDMA II_UAT     | Front             | 0.296            | 0.148                  | <b>0.444</b>                   |
|           |                  | Back              | 0.449            | 0.266                  | <b>0.715</b>                   |
|           | WCDMA IV_UAT     | Front             | 0.292            | 0.148                  | <b>0.440</b>                   |
|           |                  | Back              | 0.378            | 0.266                  | <b>0.644</b>                   |
|           | WCDMA V_UAT      | Front             | 0.221            | 0.148                  | <b>0.369</b>                   |
|           |                  | Back              | 0.176            | 0.266                  | <b>0.442</b>                   |
| CDMA      | CDMA2000 BC0_UAT | Front             | 0.368            | 0.148                  | <b>0.516</b>                   |
|           |                  | Back              | 0.648            | 0.266                  | <b>0.914</b>                   |
|           | CDMA2000 BC1_UAT | Front             | 0.307            | 0.148                  | <b>0.455</b>                   |
|           |                  | Back              | 0.155            | 0.266                  | <b>0.421</b>                   |
| LTE       | LTE Band 5_UAT   | Front             | 0.384            | 0.148                  | <b>0.532</b>                   |
|           |                  | Back              | 0.603            | 0.266                  | <b>0.869</b>                   |
|           | LTE Band 7_UAT   | Front             | 0.278            | 0.148                  | <b>0.426</b>                   |
|           |                  | Back              | 0.354            | 0.266                  | <b>0.620</b>                   |
|           | LTE Band 12_UAT  | Front             | 0.325            | 0.148                  | <b>0.473</b>                   |
|           |                  | Back              | 0.531            | 0.266                  | <b>0.797</b>                   |
|           | LTE Band 13_UAT  | Front             | 0.445            | 0.148                  | <b>0.593</b>                   |
|           |                  | Back              | 0.622            | 0.266                  | <b>0.888</b>                   |
|           | LTE Band 25_UAT  | Front             | 0.278            | 0.148                  | <b>0.426</b>                   |
|           |                  | Back              | 0.331            | 0.266                  | <b>0.597</b>                   |
|           | LTE Band 26_UAT  | Front             | 0.325            | 0.148                  | <b>0.473</b>                   |
|           |                  | Back              | 0.522            | 0.266                  | <b>0.788</b>                   |
|           | LTE Band 30_UAT  | Front             | 0.293            | 0.148                  | <b>0.441</b>                   |
|           |                  | Back              | 0.281            | 0.266                  | <b>0.547</b>                   |
|           | LTE Band 41_UAT  | Front             | 0.076            | 0.148                  | <b>0.224</b>                   |
|           |                  | Back              | 0.229            | 0.266                  | <b>0.461</b>                   |
|           | LTE Band 48_UAT  | Front             | 0.381            | 0.148                  | <b>0.529</b>                   |
|           |                  | Back              | 0.339            | 0.266                  | <b>0.605</b>                   |
|           | LTE Band 66_UAT  | Front             | 0.265            | 0.148                  | <b>0.413</b>                   |
|           |                  | Back              | 0.310            | 0.266                  | <b>0.576</b>                   |
|           | LTE Band 71_UAT  | Front             | 0.235            | 0.148                  | <b>0.383</b>                   |
|           |                  | Back              | 0.361            | 0.266                  | <b>0.627</b>                   |

| WWAN Band |                  | Exposure Position | 1                | 3                    | 4                  | 1+3<br>Summed<br>1g SAR<br>(W/kg) | 1+4<br>Summed<br>1g SAR<br>(W/kg) | 1+3+4<br>Summed<br>1g SAR<br>(W/kg) |
|-----------|------------------|-------------------|------------------|----------------------|--------------------|-----------------------------------|-----------------------------------|-------------------------------------|
|           |                  |                   | WWAN             | 5GHz WLAN<br>Ant 1+2 | Bluetooth<br>Ant 1 |                                   |                                   |                                     |
|           |                  |                   | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg)     | 1g SAR<br>(W/kg)   |                                   |                                   |                                     |
| GSM       | GSM850_UAT       | Front             | 0.392            | 0.062                | 0.011              | <b>0.454</b>                      | <b>0.403</b>                      | <b>0.465</b>                        |
|           |                  | Back              | 0.561            | 0.693                | 0.020              | <b>1.254</b>                      | <b>0.581</b>                      | <b>1.274</b>                        |
|           | GSM1900_UAT      | Front             | 0.178            | 0.062                | 0.011              | <b>0.240</b>                      | <b>0.189</b>                      | <b>0.251</b>                        |
|           |                  | Back              | 0.207            | 0.693                | 0.020              | <b>0.900</b>                      | <b>0.227</b>                      | <b>0.920</b>                        |
| WCDMA     | WCDMA II_UAT     | Front             | 0.296            | 0.062                | 0.011              | <b>0.358</b>                      | <b>0.307</b>                      | <b>0.369</b>                        |
|           |                  | Back              | 0.449            | 0.693                | 0.020              | <b>1.142</b>                      | <b>0.469</b>                      | <b>1.162</b>                        |
|           | WCDMA IV_UAT     | Front             | 0.292            | 0.062                | 0.011              | <b>0.354</b>                      | <b>0.303</b>                      | <b>0.365</b>                        |
|           |                  | Back              | 0.378            | 0.693                | 0.020              | <b>1.071</b>                      | <b>0.398</b>                      | <b>1.091</b>                        |
|           | WCDMA V_UAT      | Front             | 0.221            | 0.062                | 0.011              | <b>0.283</b>                      | <b>0.232</b>                      | <b>0.294</b>                        |
|           |                  | Back              | 0.176            | 0.693                | 0.020              | <b>0.869</b>                      | <b>0.196</b>                      | <b>0.889</b>                        |
| CDMA      | CDMA2000 BC0_UAT | Front             | 0.368            | 0.062                | 0.011              | <b>0.430</b>                      | <b>0.379</b>                      | <b>0.441</b>                        |
|           |                  | Back              | 0.648            | 0.693                | 0.020              | <b>1.341</b>                      | <b>0.668</b>                      | <b>1.361</b>                        |
|           | CDMA2000 BC1_UAT | Front             | 0.307            | 0.062                | 0.011              | <b>0.369</b>                      | <b>0.318</b>                      | <b>0.380</b>                        |
|           |                  | Back              | 0.155            | 0.693                | 0.020              | <b>0.848</b>                      | <b>0.175</b>                      | <b>0.868</b>                        |
| LTE       | LTE Band 5_UAT   | Front             | 0.384            | 0.062                | 0.011              | <b>0.446</b>                      | <b>0.395</b>                      | <b>0.457</b>                        |
|           |                  | Back              | 0.603            | 0.693                | 0.020              | <b>1.296</b>                      | <b>0.623</b>                      | <b>1.316</b>                        |
|           | LTE Band 7_UAT   | Front             | 0.278            | 0.062                | 0.011              | <b>0.340</b>                      | <b>0.289</b>                      | <b>0.351</b>                        |
|           |                  | Back              | 0.354            | 0.693                | 0.020              | <b>1.047</b>                      | <b>0.374</b>                      | <b>1.067</b>                        |
|           | LTE Band 12_UAT  | Front             | 0.325            | 0.062                | 0.011              | <b>0.387</b>                      | <b>0.336</b>                      | <b>0.398</b>                        |
|           |                  | Back              | 0.531            | 0.693                | 0.020              | <b>1.224</b>                      | <b>0.551</b>                      | <b>1.244</b>                        |
|           | LTE Band 13_UAT  | Front             | 0.445            | 0.062                | 0.011              | <b>0.507</b>                      | <b>0.456</b>                      | <b>0.518</b>                        |
|           |                  | Back              | 0.622            | 0.693                | 0.020              | <b>1.315</b>                      | <b>0.642</b>                      | <b>1.335</b>                        |
|           | LTE Band 25_UAT  | Front             | 0.278            | 0.062                | 0.011              | <b>0.340</b>                      | <b>0.289</b>                      | <b>0.351</b>                        |
|           |                  | Back              | 0.331            | 0.693                | 0.020              | <b>1.024</b>                      | <b>0.351</b>                      | <b>1.044</b>                        |
|           | LTE Band 26_UAT  | Front             | 0.325            | 0.062                | 0.011              | <b>0.387</b>                      | <b>0.336</b>                      | <b>0.398</b>                        |
|           |                  | Back              | 0.522            | 0.693                | 0.020              | <b>1.215</b>                      | <b>0.542</b>                      | <b>1.235</b>                        |
|           | LTE Band 30_UAT  | Front             | 0.293            | 0.062                | 0.011              | <b>0.355</b>                      | <b>0.304</b>                      | <b>0.366</b>                        |
|           |                  | Back              | 0.281            | 0.693                | 0.020              | <b>0.974</b>                      | <b>0.301</b>                      | <b>0.994</b>                        |
|           | LTE Band 41_UAT  | Front             | 0.076            | 0.062                | 0.011              | <b>0.138</b>                      | <b>0.087</b>                      | <b>0.149</b>                        |
|           |                  | Back              | 0.229            | 0.693                | 0.020              | <b>0.888</b>                      | <b>0.215</b>                      | <b>0.908</b>                        |
|           | LTE Band 48_UAT  | Front             | 0.381            | 0.062                | 0.011              | <b>0.443</b>                      | <b>0.392</b>                      | <b>0.454</b>                        |
|           |                  | Back              | 0.339            | 0.693                | 0.020              | <b>1.032</b>                      | <b>0.359</b>                      | <b>1.052</b>                        |
|           | LTE Band 66_UAT  | Front             | 0.265            | 0.062                | 0.011              | <b>0.327</b>                      | <b>0.276</b>                      | <b>0.338</b>                        |
|           |                  | Back              | 0.310            | 0.693                | 0.020              | <b>1.003</b>                      | <b>0.330</b>                      | <b>1.023</b>                        |
|           | LTE Band 71_UAT  | Front             | 0.235            | 0.062                | 0.011              | <b>0.297</b>                      | <b>0.246</b>                      | <b>0.308</b>                        |
|           |                  | Back              | 0.361            | 0.693                | 0.020              | <b>1.054</b>                      | <b>0.381</b>                      | <b>1.074</b>                        |

| WWAN Band |                     | Exposure Position | 1                | 2                         | 3                       | 4                  | 1+2<br>Summed<br>1g SAR<br>(W/kg) | 1+3<br>Summed<br>1g SAR<br>(W/kg) | 1+4<br>Summed<br>1g SAR<br>(W/kg) | 1+3+4<br>Summed<br>1g SAR<br>(W/kg) |
|-----------|---------------------|-------------------|------------------|---------------------------|-------------------------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------------------|
|           |                     |                   | WWAN             | 2.4GHz<br>WLAN<br>Ant 1+2 | 5GHz<br>WLAN<br>Ant 1+2 | Bluetooth<br>Ant 1 |                                   |                                   |                                   |                                     |
|           |                     |                   | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg)          | 1g SAR<br>(W/kg)        | 1g SAR<br>(W/kg)   |                                   |                                   |                                   |                                     |
| GSM       | GSM850_LAT          | Front             | 0.212            | 0.148                     | 0.062                   | 0.011              | 0.360                             | 0.274                             | 0.223                             | 0.285                               |
|           |                     | Back              | 0.172            | 0.266                     | 0.693                   | 0.020              | 0.438                             | 0.865                             | 0.192                             | 0.885                               |
|           | GSM1900_LAT         | Front             | 0.146            | 0.148                     | 0.062                   | 0.011              | 0.294                             | 0.208                             | 0.157                             | 0.219                               |
|           |                     | Back              | 0.284            | 0.266                     | 0.693                   | 0.020              | 0.550                             | 0.977                             | 0.304                             | 0.997                               |
| WCDMA     | WCDMA II_LAT        | Front             | 0.514            | 0.148                     | 0.062                   | 0.011              | 0.662                             | 0.576                             | 0.525                             | 0.587                               |
|           |                     | Back              | 0.585            | 0.266                     | 0.693                   | 0.020              | 0.851                             | 1.278                             | 0.605                             | 1.298                               |
|           | WCDMA IV_LAT        | Front             | 0.371            | 0.148                     | 0.062                   | 0.011              | 0.519                             | 0.433                             | 0.382                             | 0.444                               |
|           |                     | Back              | 0.508            | 0.266                     | 0.693                   | 0.020              | 0.774                             | 1.201                             | 0.528                             | 1.221                               |
|           | WCDMA V_LAT         | Front             | 0.330            | 0.148                     | 0.062                   | 0.011              | 0.478                             | 0.392                             | 0.341                             | 0.403                               |
|           |                     | Back              | 0.524            | 0.266                     | 0.693                   | 0.020              | 0.790                             | 1.217                             | 0.544                             | 1.237                               |
| CDMA      | CDMA2000<br>BC0_LAT | Front             | 0.193            | 0.148                     | 0.062                   | 0.011              | 0.341                             | 0.255                             | 0.204                             | 0.266                               |
|           |                     | Back              | 0.218            | 0.266                     | 0.693                   | 0.020              | 0.484                             | 0.911                             | 0.238                             | 0.931                               |
|           | CDMA2000<br>BC1_LAT | Front             | 0.533            | 0.148                     | 0.062                   | 0.011              | 0.681                             | 0.595                             | 0.544                             | 0.606                               |
|           |                     | Back              | 0.562            | 0.266                     | 0.693                   | 0.020              | 0.828                             | 1.255                             | 0.582                             | 1.275                               |
| LTE       | LTE Band 2_LAT      | Front             | 0.401            | 0.148                     | 0.062                   | 0.011              | 0.549                             | 0.463                             | 0.412                             | 0.474                               |
|           |                     | Back              | 0.543            | 0.266                     | 0.693                   | 0.020              | 0.809                             | 1.236                             | 0.563                             | 1.256                               |
|           | LTE Band 5_LAT      | Front             | 0.198            | 0.148                     | 0.062                   | 0.011              | 0.346                             | 0.260                             | 0.209                             | 0.271                               |
|           |                     | Back              | 0.189            | 0.266                     | 0.693                   | 0.020              | 0.455                             | 0.882                             | 0.209                             | 0.902                               |
|           | LTE Band 7_LAT      | Front             | 0.226            | 0.148                     | 0.062                   | 0.011              | 0.374                             | 0.288                             | 0.237                             | 0.299                               |
|           |                     | Back              | 0.288            | 0.266                     | 0.693                   | 0.020              | 0.554                             | 0.981                             | 0.308                             | 1.001                               |
|           | LTE Band 12_LAT     | Front             | 0.186            | 0.148                     | 0.062                   | 0.011              | 0.334                             | 0.248                             | 0.197                             | 0.259                               |
|           |                     | Back              | 0.238            | 0.266                     | 0.693                   | 0.020              | 0.504                             | 0.931                             | 0.258                             | 0.951                               |
|           | LTE Band 13_LAT     | Front             | 0.212            | 0.148                     | 0.062                   | 0.011              | 0.360                             | 0.274                             | 0.223                             | 0.285                               |
|           |                     | Back              | 0.245            | 0.266                     | 0.693                   | 0.020              | 0.511                             | 0.938                             | 0.265                             | 0.958                               |
|           | LTE Band 25_LAT     | Front             | 0.418            | 0.148                     | 0.062                   | 0.011              | 0.566                             | 0.480                             | 0.429                             | 0.491                               |
|           |                     | Back              | 0.472            | 0.266                     | 0.693                   | 0.020              | 0.738                             | 1.165                             | 0.492                             | 1.185                               |
|           | LTE Band 26_LAT     | Front             | 0.182            | 0.148                     | 0.062                   | 0.011              | 0.330                             | 0.244                             | 0.193                             | 0.255                               |
|           |                     | Back              | 0.110            | 0.266                     | 0.693                   | 0.020              | 0.376                             | 0.803                             | 0.130                             | 0.823                               |
|           | LTE Band 30_LAT     | Front             | 0.331            | 0.148                     | 0.062                   | 0.011              | 0.479                             | 0.393                             | 0.342                             | 0.404                               |
|           |                     | Back              | 0.338            | 0.266                     | 0.693                   | 0.020              | 0.604                             | 1.031                             | 0.358                             | 1.051                               |
|           | LTE Band 41_LAT     | Front             | 0.120            | 0.148                     | 0.062                   | 0.011              | 0.268                             | 0.182                             | 0.131                             | 0.193                               |
|           |                     | Back              | 0.266            | 0.266                     | 0.693                   | 0.020              | 0.532                             | 0.959                             | 0.286                             | 0.979                               |
|           | LTE Band 66_LAT     | Front             | 0.439            | 0.148                     | 0.062                   | 0.011              | 0.587                             | 0.501                             | 0.450                             | 0.512                               |
|           |                     | Back              | 0.475            | 0.266                     | 0.693                   | 0.020              | 0.741                             | 1.168                             | 0.495                             | 1.188                               |
|           | LTE Band 71_LAT     | Front             | 0.133            | 0.148                     | 0.062                   | 0.011              | 0.281                             | 0.195                             | 0.144                             | 0.206                               |
|           |                     | Back              | 0.164            | 0.266                     | 0.693                   | 0.020              | 0.430                             | 0.857                             | 0.184                             | 0.877                               |



**14.4 Product Specific Exposure Conditions**

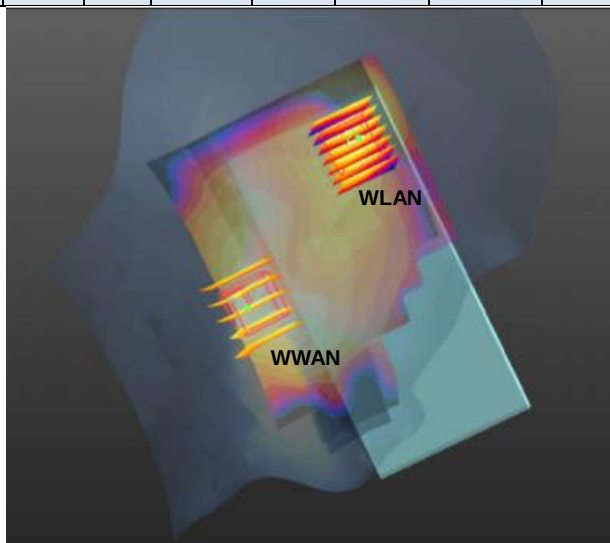
| WWAN Band |                  | Exposure Position | 1              | 2                    | 1+2 Summed<br>10g SAR (W/kg) | SPLSR | Case No |
|-----------|------------------|-------------------|----------------|----------------------|------------------------------|-------|---------|
|           |                  |                   | WWAN           | 5GHz WLAN<br>Ant 1+2 |                              |       |         |
|           |                  |                   | 10g SAR (W/kg) | 10g SAR (W/kg)       |                              |       |         |
| WCDMA     | WCDMA IV_LAT     | Front             |                | 0.194                | <b>0.194</b>                 |       |         |
|           |                  | Back              |                | 2.830                | <b>2.830</b>                 |       |         |
|           |                  | Left side         |                | 0.032                | <b>0.032</b>                 |       |         |
|           |                  | Right side        |                | 0.630                | <b>0.630</b>                 |       |         |
|           |                  | Top side          |                | 0.404                | <b>0.404</b>                 |       |         |
|           |                  | Bottom side       | 2.906          |                      | <b>2.906</b>                 |       |         |
|           | WCDMA II_LAT     | Front             | 1.678          | 0.194                | <b>1.872</b>                 |       |         |
|           |                  | Back              | 2.632          | 2.830                | <b>5.462</b>                 | 0.09  | 41      |
|           |                  | Left side         |                | 0.032                | <b>0.032</b>                 |       |         |
|           |                  | Right side        |                | 0.630                | <b>0.630</b>                 |       |         |
|           |                  | Top side          |                | 0.404                | <b>0.404</b>                 |       |         |
|           |                  | Bottom side       | 2.654          |                      | <b>2.654</b>                 |       |         |
| CDMA      | CDMA2000 BC1_LAT | Front             |                | 0.194                | <b>0.194</b>                 |       |         |
|           |                  | Back              | 2.969          | 2.830                | <b>5.799</b>                 | 0.09  | 42      |
|           |                  | Left side         |                | 0.032                | <b>0.032</b>                 |       |         |
|           |                  | Right side        |                | 0.630                | <b>0.630</b>                 |       |         |
|           |                  | Top side          |                | 0.404                | <b>0.404</b>                 |       |         |
|           |                  | Bottom side       | 2.708          |                      | <b>2.708</b>                 |       |         |
| LTE       | LTE Band 66_LAT  | Front             |                | 0.194                | <b>0.194</b>                 |       |         |
|           |                  | Back              |                | 2.830                | <b>2.830</b>                 |       |         |
|           |                  | Left side         |                | 0.032                | <b>0.032</b>                 |       |         |
|           |                  | Right side        |                | 0.630                | <b>0.630</b>                 |       |         |
|           |                  | Top side          |                | 0.404                | <b>0.404</b>                 |       |         |
|           |                  | Bottom side       | 2.970          |                      | <b>2.970</b>                 |       |         |
|           | LTE Band 25_LAT  | Front             |                | 0.194                | <b>0.194</b>                 |       |         |
|           |                  | Back              |                | 2.830                | <b>2.830</b>                 |       |         |
|           |                  | Left side         |                | 0.032                | <b>0.032</b>                 |       |         |
|           |                  | Right side        |                | 0.630                | <b>0.630</b>                 |       |         |
|           |                  | Top side          |                | 0.404                | <b>0.404</b>                 |       |         |
|           |                  | Bottom side       | 2.894          |                      | <b>2.894</b>                 |       |         |
|           | LTE Band 7_LAT   | Front             |                | 0.194                | <b>0.194</b>                 |       |         |
|           |                  | Back              |                | 2.830                | <b>2.830</b>                 |       |         |
|           |                  | Left side         |                | 0.032                | <b>0.032</b>                 |       |         |
|           |                  | Right side        |                | 0.630                | <b>0.630</b>                 |       |         |
|           |                  | Top side          |                | 0.404                | <b>0.404</b>                 |       |         |
|           |                  | Bottom side       | 2.347          |                      | <b>2.347</b>                 |       |         |

### 14.5 SPLSR Evaluation and Analysis

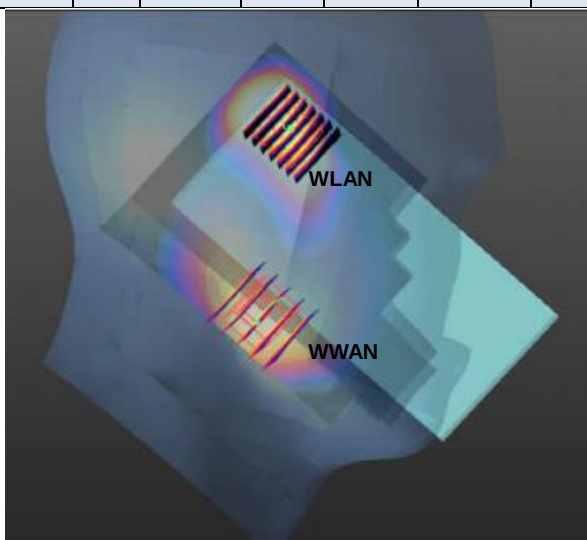
**General Note:**

1.  $SPLSR = (SAR_1 + SAR_2)^{1.5} / (min. \text{ separation distance, mm})$ . If  $SPLSR \leq 0.04$ , simultaneously transmission SAR measurement is not necessary
2. Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneously transmitting antenna. When the sum of 1-g or 10-g SAR of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit, SAR test exclusion applies to that simultaneous transmission configuration. Therefore, the adjacent transmit antennas will be summed first, and then the SPLSR calculation will be evaluated with the farther transmitted antennas

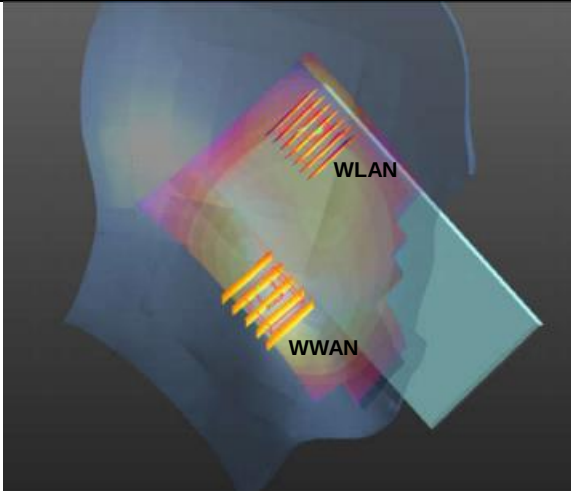
| Case 1 | Band       | Position   | SAR (W/kg) | Gap (mm) | SAR peak location (m) |       |        | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|--------|------------|------------|------------|----------|-----------------------|-------|--------|------------------|-------------------|---------------|------------------|
|        |            |            |            |          | X                     | Y     | Z      |                  |                   |               |                  |
|        | GSM850     | Left Cheek | 0.826      | 0        | 0.0289                | 0.227 | -0.171 | 98.1             | 1.75              | 0.02          | Not required     |
|        | WLAN2.4GHz |            | 0.923      | 0        | 0.033                 | 0.325 | -0.171 |                  |                   |               |                  |



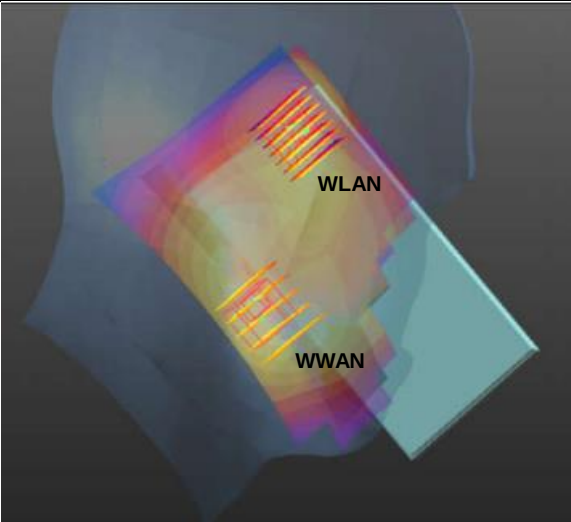
| Case 2 | Band       | Position   | SAR (W/kg) | Gap (mm) | SAR peak location (m) |       |        | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|--------|------------|------------|------------|----------|-----------------------|-------|--------|------------------|-------------------|---------------|------------------|
|        |            |            |            |          | X                     | Y     | Z      |                  |                   |               |                  |
|        | WCDMA V    | Left Cheek | 0.803      | 0        | 0.0438                | 0.24  | -0.169 | 85.7             | 1.73              | 0.03          | Not required     |
|        | WLAN2.4GHz |            | 0.923      | 0        | 0.033                 | 0.325 | -0.171 |                  |                   |               |                  |



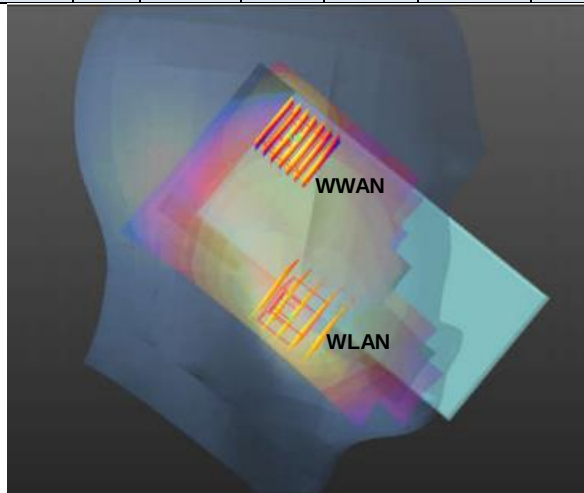
| Case 3 | Band         | Position   | SAR (W/kg) | Gap (mm) | SAR peak location (m) |       |        | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|--------|--------------|------------|------------|----------|-----------------------|-------|--------|------------------|-------------------|---------------|------------------|
|        |              |            |            |          | X                     | Y     | Z      |                  |                   |               |                  |
|        | CDMA2000 BC0 | Left Cheek | 0.925      | 0        | 0.0326                | 0.236 | -0.166 | 89.1             | 1.85              | 0.03          | Not required     |
|        | WLAN2.4GHz   |            | 0.923      | 0        | 0.033                 | 0.325 | -0.171 |                  |                   |               |                  |

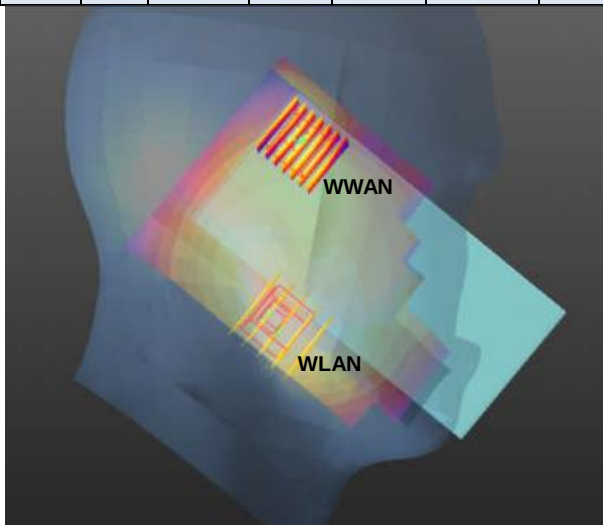
| Case 5 | Band        | Position   | SAR (W/kg) | Gap (mm) | SAR peak location (m) |       |        | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|--------|-------------|------------|------------|----------|-----------------------|-------|--------|------------------|-------------------|---------------|------------------|
|        |             |            |            |          | X                     | Y     | Z      |                  |                   |               |                  |
|        | LTE Band 12 | Left Cheek | 0.72       | 0        | 0.0402                | 0.238 | -0.17  | 87.3             | 1.64              | 0.02          | Not required     |
|        | WLAN2.4GHz  |            | 0.923      | 0        | 0.033                 | 0.325 | -0.171 |                  |                   |               |                  |

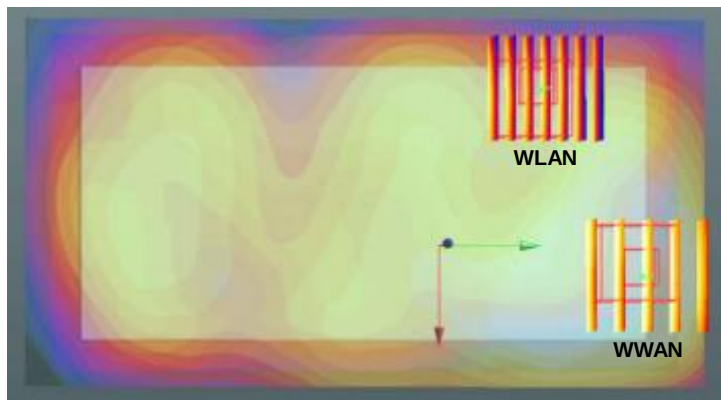
| Case 7 | Band        | Position   | SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (m) |       |        | 3D distance<br>(mm) | Summed<br>SAR (W/kg) | SPLSR<br>Results | Simultaneous SAR |
|--------|-------------|------------|---------------|-------------|-----------------------|-------|--------|---------------------|----------------------|------------------|------------------|
|        |             |            |               |             | X                     | Y     | Z      |                     |                      |                  |                  |
|        | LTE Band 26 | Left Cheek | 0.885         | 0           | 0.0408                | 0.238 | -0.17  | 87.4                | 1.81                 | 0.03             | Not required     |
|        | WLAN2.4GHz  |            | 0.923         | 0           | 0.033                 | 0.325 | -0.171 |                     |                      |                  |                  |



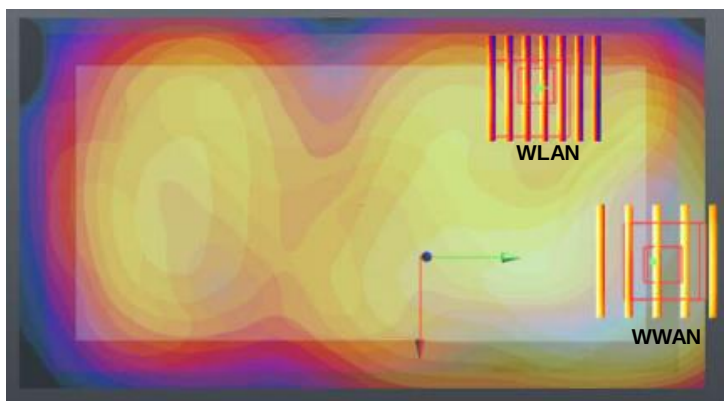
| Case 8 | Band        | Position   | SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (m) |       |        | 3D distance<br>(mm) | Summed<br>SAR (W/kg) | SPLSR<br>Results | Simultaneous SAR |
|--------|-------------|------------|---------------|-------------|-----------------------|-------|--------|---------------------|----------------------|------------------|------------------|
|        |             |            |               |             | X                     | Y     | Z      |                     |                      |                  |                  |
|        | LTE Band 71 | Left Cheek | 1.035         | 0           | 0.0335                | 0.238 | -0.166 | 87.1                | 1.96                 | 0.03             | Not required     |
|        | WLAN2.4GHz  |            | 0.923         | 0           | 0.033                 | 0.325 | -0.171 |                     |                      |                  |                  |



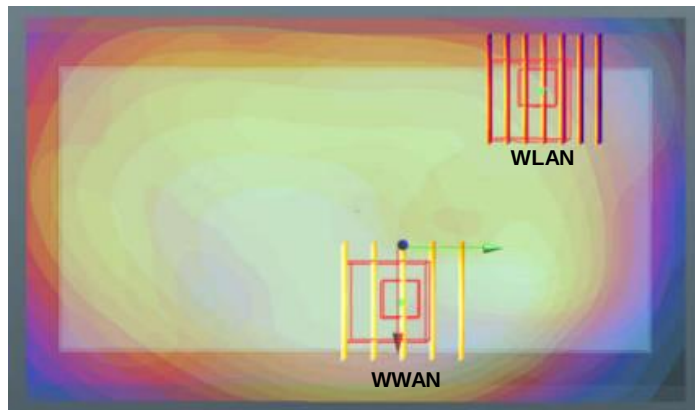
| Case 9 | Band       | Position | SAR (W/kg) | Gap (mm) | SAR peak location (m) |        |        | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|--------|------------|----------|------------|----------|-----------------------|--------|--------|------------------|-------------------|---------------|------------------|
|        | WCDMA II   | Back     | 1.127      | 10       | X                     | Y      | Z      | 60.8             | 1.60              | 0.03          | Not required     |
|        | WLAN2.4GHz |          | 0.473      | 10       | -0.0494               | 0.0504 | -0.206 |                  |                   |               |                  |



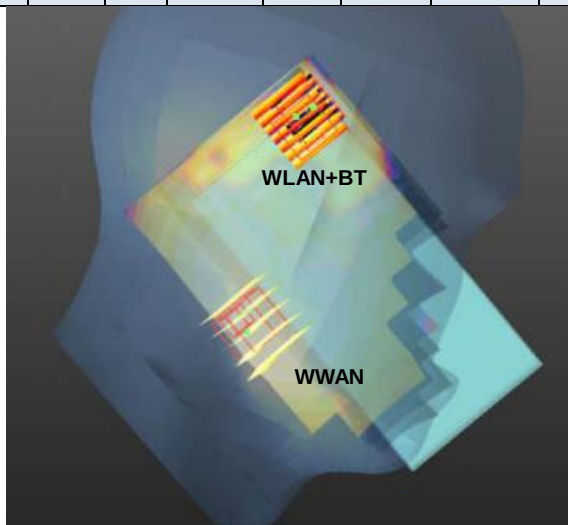
| Case 10 | Band       | Position | SAR (W/kg) | Gap (mm) | SAR peak location (m) |        |        | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|---------|------------|----------|------------|----------|-----------------------|--------|--------|------------------|-------------------|---------------|------------------|
|         | WCDMA IV   | Back     | 1.186      | 10       | X                     | Y      | Z      | 58.5             | 1.66              | 0.04          | Not required     |
|         | WLAN2.4GHz |          | 0.473      | 10       | -0.0494               | 0.0504 | -0.206 |                  |                   |               |                  |



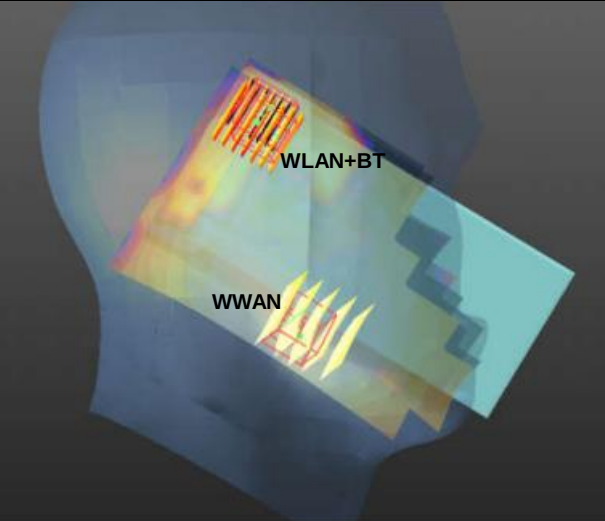
| Case 12 | Band         | Position | SAR (W/kg) | Gap (mm) | SAR peak location (m) |        |        | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|---------|--------------|----------|------------|----------|-----------------------|--------|--------|------------------|-------------------|---------------|------------------|
|         |              |          |            |          | X                     | Y      | Z      |                  |                   |               |                  |
|         | CDMA2000 BC0 | Back     | 1.144      | 10       | 0.0085                | 0.012  | -0.205 | 69.5             | 1.62              | 0.03          | Not required     |
|         | WLAN2.4GHz   |          | 0.473      | 10       | -0.0494               | 0.0504 | -0.206 |                  |                   |               |                  |



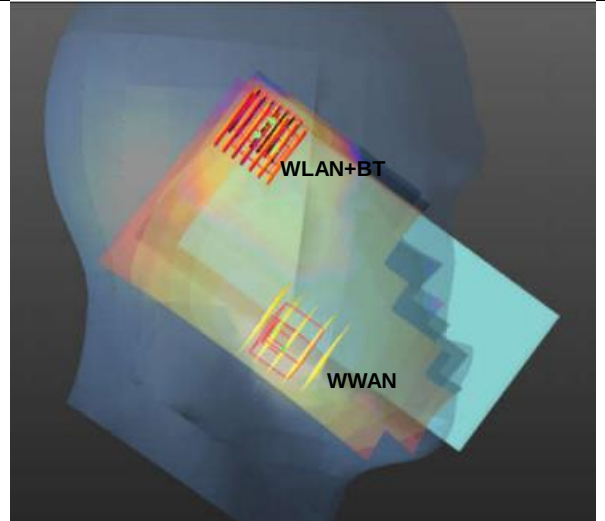
| Case 13 | Band               | Position   | SAR (W/kg) | Gap (mm) | SAR peak location (m) |       |        | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|---------|--------------------|------------|------------|----------|-----------------------|-------|--------|------------------|-------------------|---------------|------------------|
|         |                    |            |            |          | X                     | Y     | Z      |                  |                   |               |                  |
|         | GSM850             | Left Cheek | 1.077      | 0        | 0.0321                | 0.234 | -0.17  | 92.1             | 1.95              | 0.03          | Not required     |
|         | Bluetooth+WLAN5GHz |            | 0.875      | 0        | 0.0339                | 0.326 | -0.173 |                  |                   |               |                  |



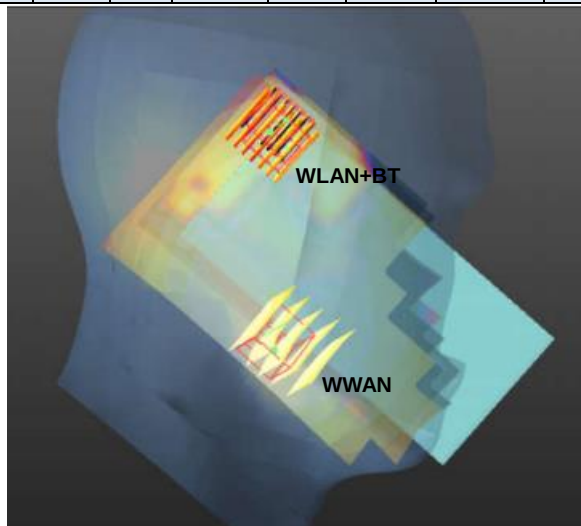
| Case<br>14 | Band               | Position   | SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (m) |       |        | 3D<br>distance<br>(mm) | Summed<br>SAR (W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|------------|--------------------|------------|---------------|-------------|-----------------------|-------|--------|------------------------|----------------------|------------------|---------------------|
|            | WCDMA V            | Left Cheek | 1.073         | 0           | 0.0402                | 0.236 | -0.169 | 90.3                   | 1.95                 | 0.03             | Not required        |
|            | Bluetooth+WLAN5GHz |            | 0.875         | 0           | 0.0339                | 0.326 | -0.173 |                        |                      |                  |                     |

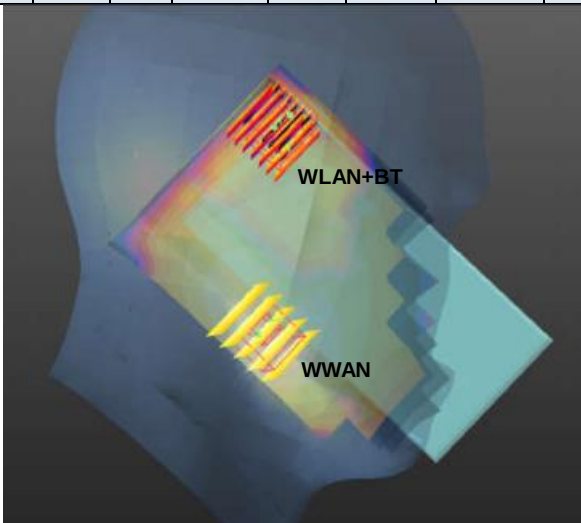
| Case<br>16 | Band               | Position   | SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (m) |       |        | 3D<br>distance<br>(mm) | Summed<br>SAR (W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|------------|--------------------|------------|---------------|-------------|-----------------------|-------|--------|------------------------|----------------------|------------------|---------------------|
|            | LTE Band 5         | Left Cheek | 1.02          | 0           | 0.0409                | 0.238 | -0.17  | 88.3                   | 1.90                 | 0.03             | Not required        |
|            | Bluetooth+WLAN5GHz |            | 0.875         | 0           | 0.0339                | 0.326 | -0.173 |                        |                      |                  |                     |

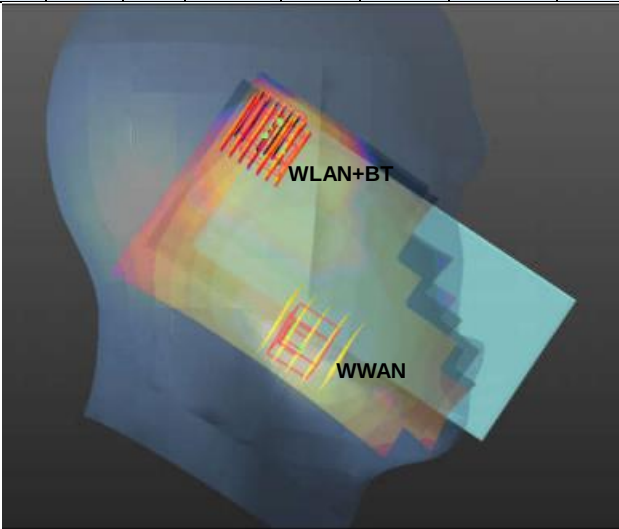
| Case<br>17 | Band               | Position   | SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (m) |       |        | 3D<br>distance<br>(mm) | Summed<br>SAR (W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|------------|--------------------|------------|---------------|-------------|-----------------------|-------|--------|------------------------|----------------------|------------------|---------------------|
|            | LTE Band 12        | Left Cheek | 0.89          | 0           | 0.0403                | 0.236 | -0.169 | 90.3                   | 1.77                 | 0.03             | Not required        |
|            | Bluetooth+WLAN5GHz |            | 0.875         | 0           | 0.0339                | 0.326 | -0.173 |                        |                      |                  |                     |



| Case<br>18 | Band               | Position   | SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (m) |       |        | 3D<br>distance<br>(mm) | Summed<br>SAR (W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|------------|--------------------|------------|---------------|-------------|-----------------------|-------|--------|------------------------|----------------------|------------------|---------------------|
|            | LTE Band 13        | Left Cheek | 0.911         | 0           | 0.0435                | 0.242 | -0.169 | 84.6                   | 1.79                 | 0.03             | Not required        |
|            | Bluetooth+WLAN5GHz |            | 0.875         | 0           | 0.0339                | 0.326 | -0.173 |                        |                      |                  |                     |

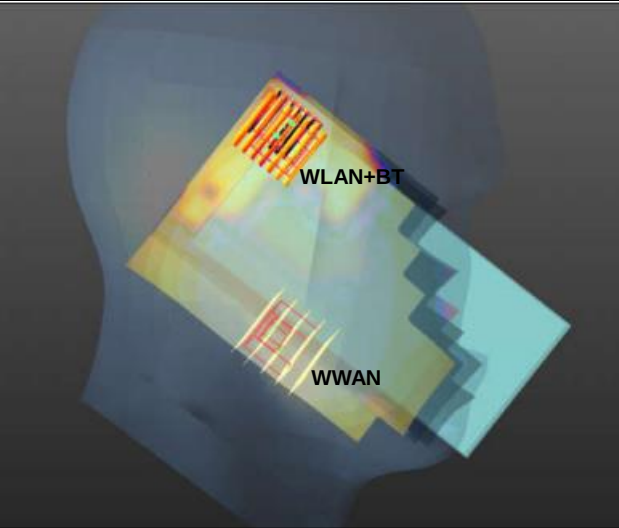


| Case<br>20 | Band               | Position   | SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (m) |       |        | 3D<br>distance<br>(mm) | Summed<br>SAR (W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|------------|--------------------|------------|---------------|-------------|-----------------------|-------|--------|------------------------|----------------------|------------------|---------------------|
|            | LTE Band 26        | Left Cheek | 0.885         | 0           | 0.0408                | 0.238 | -0.17  | 88.3                   | 1.76                 | 0.03             | Not required        |
|            | Bluetooth+WLAN5GHz |            | 0.875         | 0           | 0.0339                | 0.326 | -0.173 |                        |                      |                  |                     |

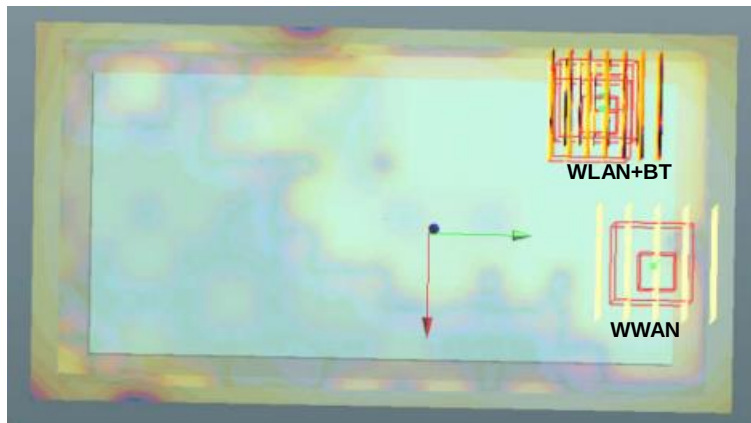
The image shows a 3D head model with a color-coded SAR heatmap. Two areas are highlighted with yellow and red contours: 'WLAN+BT' on the upper part of the head and 'WWAN' on the lower part. The background is dark blue.

| Case<br>21 | Band               | Position   | SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (m) |       |        | 3D<br>distance<br>(mm) | Summed<br>SAR (W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|------------|--------------------|------------|---------------|-------------|-----------------------|-------|--------|------------------------|----------------------|------------------|---------------------|
|            | LTE Band 71        | Left Cheek | 1.035         | 0           | 0.0335                | 0.238 | -0.166 | 88.3                   | 1.91                 | 0.03             | Not required        |
|            | Bluetooth+WLAN5GHz |            | 0.875         | 0           | 0.0339                | 0.326 | -0.173 |                        |                      |                  |                     |

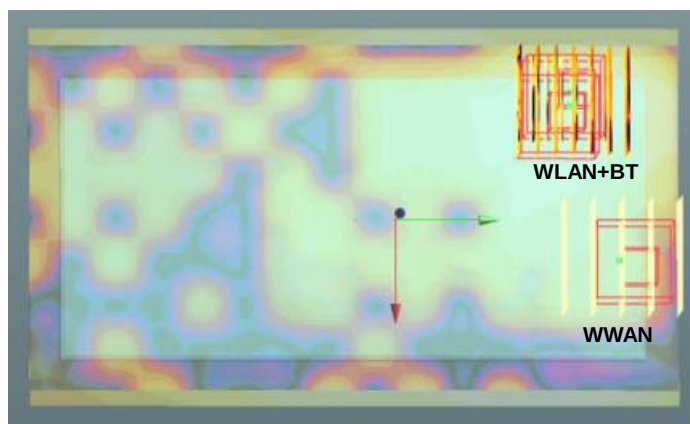
  


The image shows a 3D head model with a color-coded SAR heatmap. Two areas are highlighted with yellow and red contours: 'WLAN+BT' on the upper part of the head and 'WWAN' on the lower part. The background is dark blue.

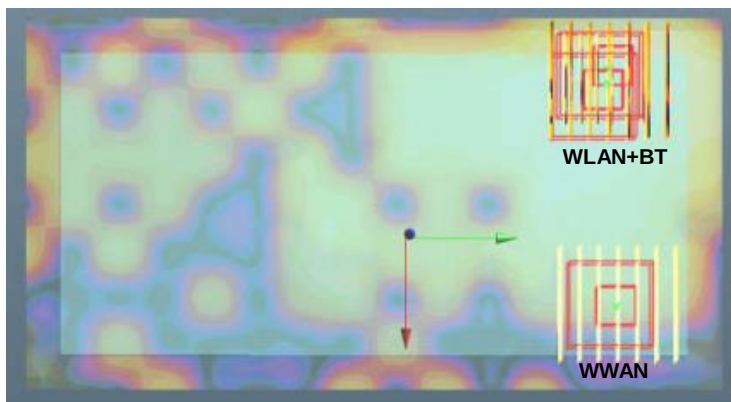
| Case<br>23 | Band               | Position | SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (m) |       |        | 3D<br>distance<br>(mm) | Summed<br>SAR (W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|------------|--------------------|----------|---------------|-------------|-----------------------|-------|--------|------------------------|----------------------|------------------|---------------------|
|            |                    |          |               |             | X                     | Y     | Z      |                        |                      |                  |                     |
|            | GSM1900            |          |               |             | -0.005                | 0.075 | -0.206 |                        |                      |                  |                     |
|            | Bluetooth+WLAN5GHz | Back     | 1.124         | 10          | -0.0482               | 0.06  | -0.206 | 45.7                   | 1.66                 | 0.04             | Not required        |



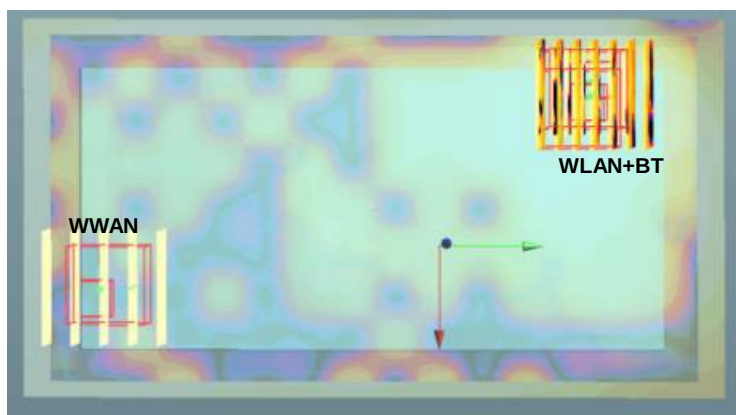
| Case<br>28 | Band               | Position | SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (m) |        |        | 3D<br>distance<br>(mm) | Summed<br>SAR (W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|------------|--------------------|----------|---------------|-------------|-----------------------|--------|--------|------------------------|----------------------|------------------|---------------------|
|            |                    |          |               |             | X                     | Y      | Z      |                        |                      |                  |                     |
|            | LTE Band 25        |          |               |             | 0.003                 | 0.0815 | -0.203 |                        |                      |                  |                     |
|            | Bluetooth+WLAN5GHz | Back     | 1.124         | 10          | -0.0482               | 0.06   | -0.206 | 59.8                   | 1.69                 | 0.04             | Not required        |



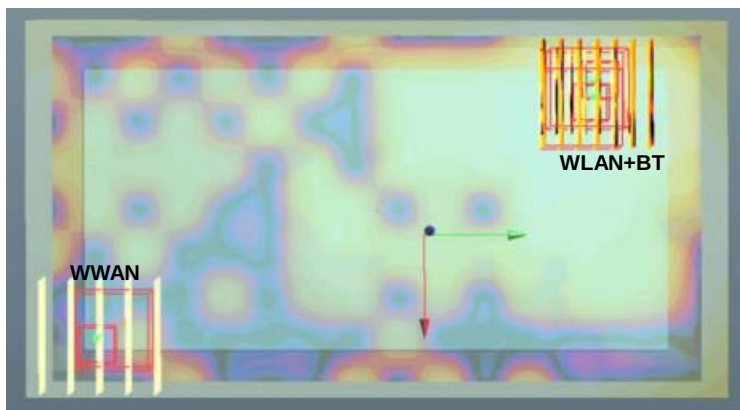
| Case<br>30 | Band               | Position | SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (m) |      |        | 3D<br>distance<br>(mm) | Summed<br>SAR (W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|------------|--------------------|----------|---------------|-------------|-----------------------|------|--------|------------------------|----------------------|------------------|---------------------|
|            | LTE Band 30        |          |               |             | X                     | Y    | Z      |                        |                      |                  |                     |
|            | Bluetooth+WLAN5GHz |          |               |             | -0.0482               | 0.06 | -0.206 |                        |                      |                  |                     |



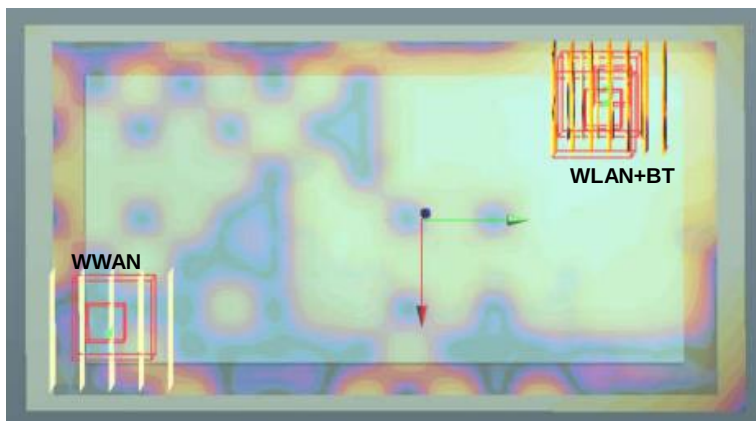
| Case<br>31 | Band               | Position | SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (m) |      |        | 3D<br>distance<br>(mm) | Summed<br>SAR (W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|------------|--------------------|----------|---------------|-------------|-----------------------|------|--------|------------------------|----------------------|------------------|---------------------|
|            | GSM1900            |          |               |             | X                     | Y    | Z      |                        |                      |                  |                     |
|            | Bluetooth+WLAN5GHz |          |               |             | -0.0482               | 0.06 | -0.206 |                        |                      |                  |                     |



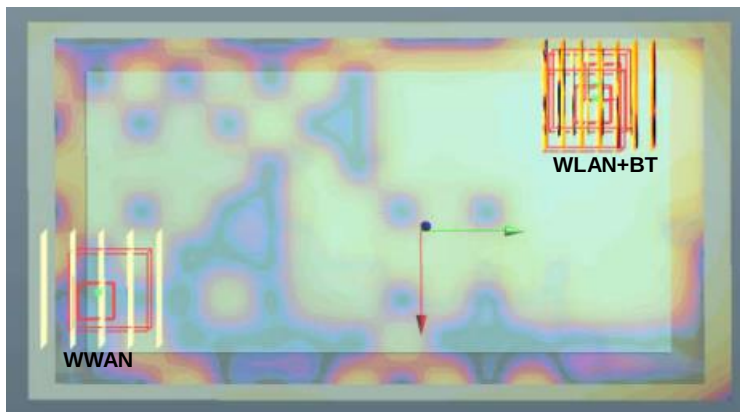
| Case<br>32 | Band               | Position | SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (m) |   |   | 3D<br>distance<br>(mm) | Summed<br>SAR (W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|------------|--------------------|----------|---------------|-------------|-----------------------|---|---|------------------------|----------------------|------------------|---------------------|
|            | WCDMA II           |          |               |             | X                     | Y | Z |                        |                      |                  |                     |
|            | Bluetooth+WLAN5GHz |          |               |             | X                     | Y | Z |                        |                      |                  |                     |



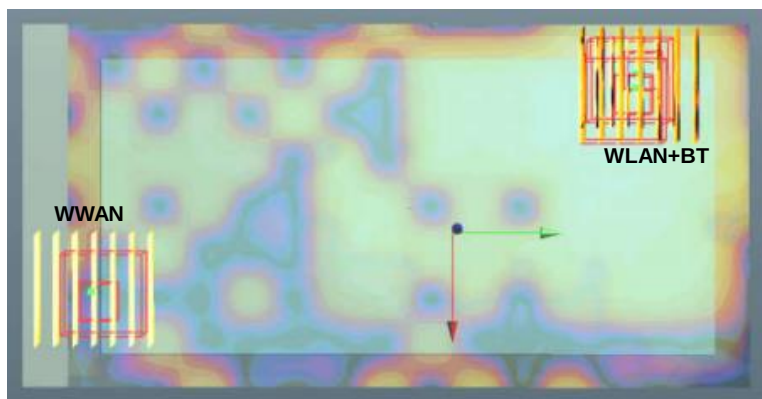
| Case<br>33 | Band               | Position | SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (m) |   |   | 3D<br>distance<br>(mm) | Summed<br>SAR (W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|------------|--------------------|----------|---------------|-------------|-----------------------|---|---|------------------------|----------------------|------------------|---------------------|
|            | WCDMA IV           |          |               |             | X                     | Y | Z |                        |                      |                  |                     |
|            | Bluetooth+WLAN5GHz |          |               |             | X                     | Y | Z |                        |                      |                  |                     |



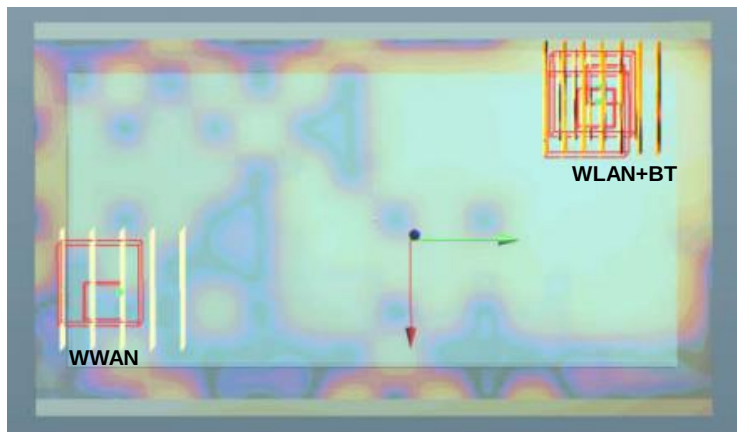
| Case<br>34 | Band               | Position | SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (m) |      |        | 3D<br>distance<br>(mm) | Summed<br>SAR (W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|------------|--------------------|----------|---------------|-------------|-----------------------|------|--------|------------------------|----------------------|------------------|---------------------|
|            | CDMA2000 BC1       |          |               |             | X                     | Y    | Z      |                        |                      |                  |                     |
|            | Bluetooth+WLAN5GHz |          |               |             | -0.0482               | 0.06 | -0.206 |                        |                      |                  |                     |



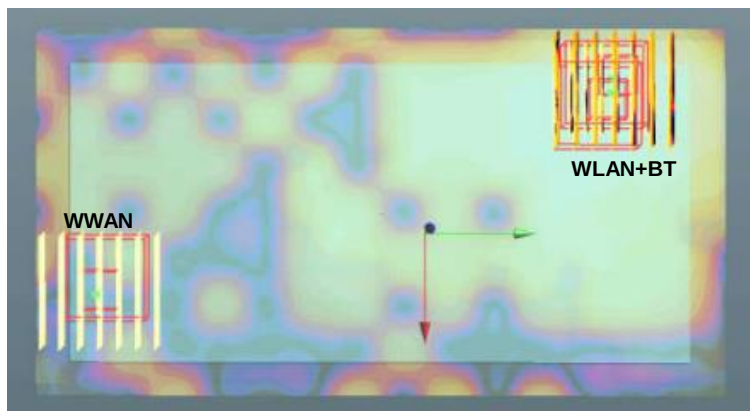
| Case<br>36 | Band               | Position | SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (m) |      |        | 3D<br>distance<br>(mm) | Summed<br>SAR (W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|------------|--------------------|----------|---------------|-------------|-----------------------|------|--------|------------------------|----------------------|------------------|---------------------|
|            | LTE Band 7         |          |               |             | X                     | Y    | Z      |                        |                      |                  |                     |
|            | Bluetooth+WLAN5GHz |          |               |             | -0.0482               | 0.06 | -0.206 |                        |                      |                  |                     |



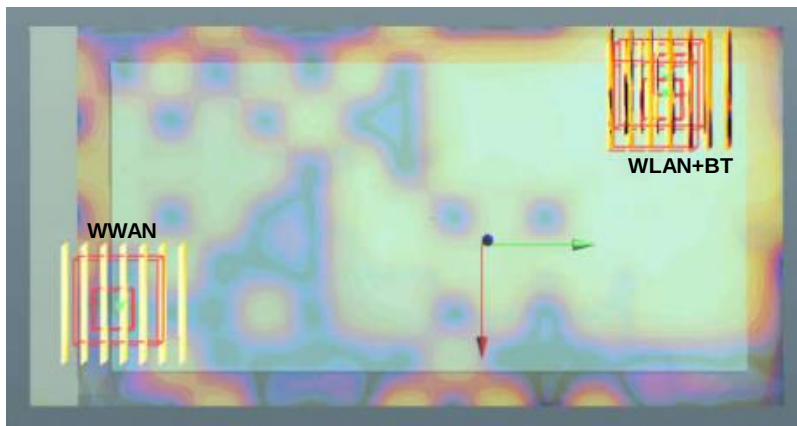
| Case<br>37 | Band               | Position | SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (m) |   |   | 3D<br>distance<br>(mm) | Summed<br>SAR (W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|------------|--------------------|----------|---------------|-------------|-----------------------|---|---|------------------------|----------------------|------------------|---------------------|
|            | LTE Band 25        |          |               |             | X                     | Y | Z |                        |                      |                  |                     |
|            | Bluetooth+WLAN5GHz |          |               |             | X                     | Y | Z |                        |                      |                  |                     |



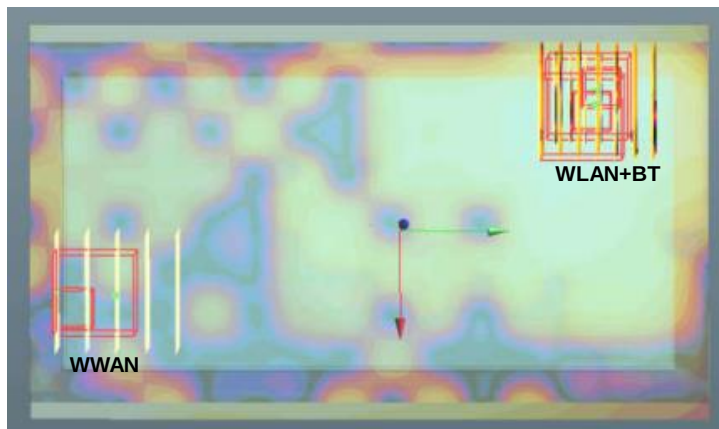
| Case<br>38 | Band               | Position | SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (m) |   |   | 3D<br>distance<br>(mm) | Summed<br>SAR (W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|------------|--------------------|----------|---------------|-------------|-----------------------|---|---|------------------------|----------------------|------------------|---------------------|
|            | LTE Band 30        |          |               |             | X                     | Y | Z |                        |                      |                  |                     |
|            | Bluetooth+WLAN5GHz |          |               |             | X                     | Y | Z |                        |                      |                  |                     |



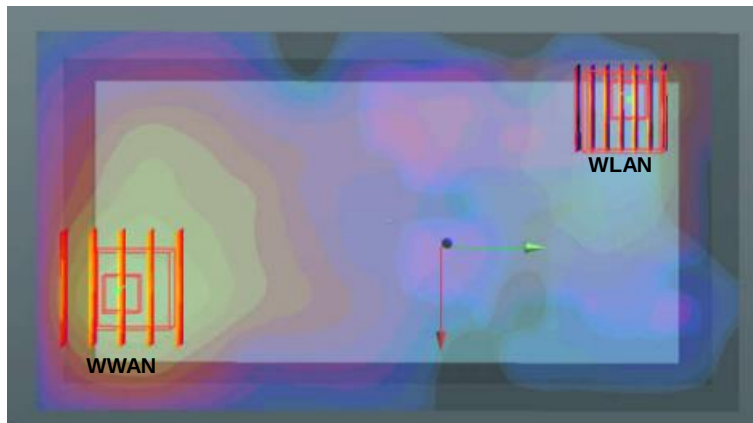
| Case<br>39 | Band               | Position | SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (m) |      |        | 3D<br>distance<br>(mm) | Summed<br>SAR (W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|------------|--------------------|----------|---------------|-------------|-----------------------|------|--------|------------------------|----------------------|------------------|---------------------|
|            | LTE Band 41        |          |               |             | X                     | Y    | Z      |                        |                      |                  |                     |
|            | Bluetooth+WLAN5GHz |          |               |             | -0.0482               | 0.06 | -0.206 |                        |                      |                  |                     |



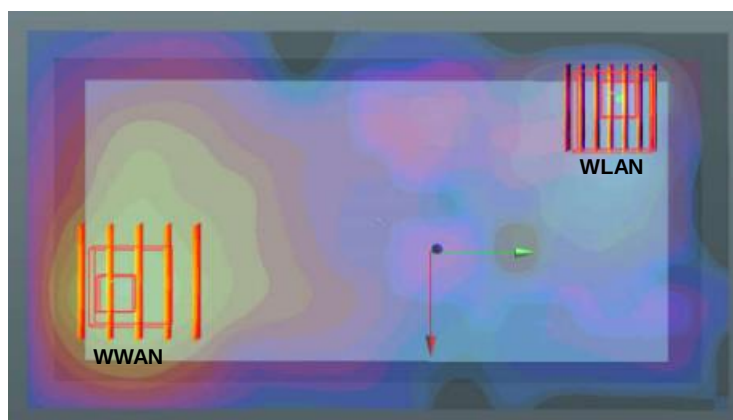
| Case<br>40 | Band               | Position | SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (m) |      |        | 3D<br>distance<br>(mm) | Summed<br>SAR (W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|------------|--------------------|----------|---------------|-------------|-----------------------|------|--------|------------------------|----------------------|------------------|---------------------|
|            | LTE Band 66        |          |               |             | X                     | Y    | Z      |                        |                      |                  |                     |
|            | Bluetooth+WLAN5GHz |          |               |             | -0.0482               | 0.06 | -0.206 |                        |                      |                  |                     |



| Case 41 | Band     | Position | SAR (W/kg) | Gap (mm) | SAR peak location (m) |        |        | 3D distance (mm) | Summed 10g SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|---------|----------|----------|------------|----------|-----------------------|--------|--------|------------------|-----------------------|---------------|------------------|
|         |          |          |            |          | X                     | Y      | Z      |                  |                       |               |                  |
|         | WCDMA II | Back     | 2.632      | 0mm      | 0.0025                | -0.075 | -0.206 | 149.3            | 5.46                  | 0.09          | Not required     |
|         | WLAN5GHz |          | 2.83       | 0mm      | -0.052                | 0.064  | -0.206 |                  |                       |               |                  |



| Case 42 | Band         | Position | SAR (W/kg) | Gap (mm) | SAR peak location (m) |         |        | 3D distance (mm) | Summed 10g SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|---------|--------------|----------|------------|----------|-----------------------|---------|--------|------------------|-----------------------|---------------|------------------|
|         |              |          |            |          | X                     | Y       | Z      |                  |                       |               |                  |
|         | CDMA2000 BC1 | Back     | 2.969      | 0mm      | 0.001                 | -0.0755 | -0.206 | 149.2            | 5.80                  | 0.09          | Not required     |
|         | WLAN5GHz     |          | 2.83       | 0mm      | -0.052                | 0.064   | -0.206 |                  |                       |               |                  |



## 15. Supplemental tuner tests results

### General Note:

1. The following test procedure was followed to demonstrate that the SAR results in this report represent the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR will be measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements will be evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values. The additional tuner hardware has no influence to the antenna characteristics, other than impedance matching.
2. To evaluate all of the tuner states, the 144 tuner states are divided evenly among band for WWAN UAT/LAT for GSM850, UMTS B5, CDMA BC0 and LTE B5/B12/B13/B26/B71, the 96 tuner states are divided evenly among band for WWAN LAT for GSM1900, UMTS B2/B4, CDMA BC1 and LTE B2/B4/B7/B25/B38/B41/B66, 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.
3. The device supports LTE B12/B17, B38/B41 and B4/B66. Since the supported frequency span for LTE B17/B38/B4 falls completely within the supported frequency span for LTE B12/B26, and both bands have the same target power and both LTE bands share the same transmission path, therefore standalone SAR was only assessed for LTE B12/B25/B41. The single point SAR time-sweep measurements were treated independently for each supported ACL frequency band. For the LTE B17/B4/B38 single point SAR measurement selected the highest measured SAR configuration and exposure condition of LTE B12/B25/B41. And the number of required single point measurements at least 11 applies to the band.
4. 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).
5. The operational decryption contains more information about the design and implementation of the dynamic antenna tuning.

### 15.1 Supplemental Head SAR results

#### <UAT Antenna>

| Mode        | Power Reduction      | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |          |  |
|-------------|----------------------|---------------------|---------|-----------------|---------|-----------|---------------|---------|------------------------|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|----------|----------|--|
|             |                      |                     |         |                 |         |           |               |         |                        | 0                                  | 9     | 18    | 27    | 36    | 45    | 54    | 63    | 72    | 81    | 90      | 99 (B4)  | 108 (4B) |  |
| GSM850      | Reducd Power 1 or 5G | GPRS(3 Tx slot)     | 189     | 836.4           | N/A     | N/A       | Left Cheek    | 0 mm    | 0.938                  | 0.746                              | 0.836 | 0.6   | 0.119 | 0     | 0.222 | 0.407 | 0.066 | 0     | 0.381 | 0.317   | 0.03     | 0.01     |  |
| Mode        | Power Reduction      | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |          |  |
|             |                      |                     |         |                 |         |           |               |         |                        | 1                                  | 10    | 19    | 28    | 37    | 46    | 55    | 64    | 73    | 82    | 91      | 100 (78) | 109 (2D) |  |
| WCDMA V     | Full Power or 5G     | RMC 12.2Kbps        | 4182    | 836.4           | N/A     | N/A       | Left Cheek    | 0 mm    | 0.901                  | 0                                  | 0.61  | 0.69  | 0.117 | 0     | 0.277 | 0.382 | 0.153 | 0     | 0.418 | 0.505   | 0.02     | 0.021    |  |
| Mode        | Power Reduction      | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |          |  |
|             |                      |                     |         |                 |         |           |               |         |                        | 2                                  | 11    | 20    | 29    | 38    | 47    | 56    | 65    | 74    | 83    | 92      | 101 (C3) | 110 (1E) |  |
| CDMA BC0    | Full Power           | RC3+SO55            | 384     | 836.52          | N/A     | N/A       | Left Cheek    | 0 mm    | 0.899                  | 0.077                              | 0.797 | 0.886 | 0.06  | 0.043 | 0.292 | 0.5   | 0.261 | 0.044 | 0.431 | 0.61    | 0.156    | 0.06     |  |
| Mode        | Power Reduction      | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |          |  |
|             |                      |                     |         |                 |         |           |               |         |                        | 3                                  | 12    | 21    | 30    | 39    | 48    | 57    | 66    | 75    | 84    | 93      | 102 (A5) | 111 (F)  |  |
| LTE Band 5  | Full Power or 5G     | 10M_QPSK            | 20525   | 836.5           | 25RB    | 12Offset  | Left Cheek    | 0 mm    | 0.81                   | 0.085                              | 0     | 0.358 | 0.179 | 0.052 | 0     | 0     | 0.634 | 0.047 | 0     | 0.177   | 0.6      | 0.062    |  |
| Mode        | Power Reduction      | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |          |  |
|             |                      |                     |         |                 |         |           |               |         |                        | 4                                  | 13    | 22    | 31    | 40    | 49    | 58    | 67    | 76    | 85    | 94      | 103 (69) |          |  |
| LTE Band 12 | Full Power or 5G     | 10M_QPSK            | 23095   | 707.5           | 1RB     | 49Offset  | Left Cheek    | 0 mm    | 0.727                  | 0.077                              | 0.075 | 0.038 | 0.039 | 0.037 | 0.043 | 0.037 | 0.04  | 0.037 | 0.038 | 0.03    | 0.047    |          |  |
| Mode        | Power Reduction      | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |          |  |
|             |                      |                     |         |                 |         |           |               |         |                        | 5                                  | 14    | 23    | 32    | 41    | 50    | 59    | 68    | 77    | 86    | 95      | 104 (96) |          |  |
| LTE Band 13 | Reducd Power 1 or 5G | 10M_QPSK            | 23230   | 782             | 25RB    | 12Offset  | Left Cheek    | 0 mm    | 0.774                  | 0.086                              | 0     | 0.642 | 0.605 | 0.298 | 0.131 | 0.622 | 0.384 | 0.276 | 0.066 | 0.198   | 0.1      |          |  |
| Mode        | Power Reduction      | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |          |  |
|             |                      |                     |         |                 |         |           |               |         |                        | 6                                  | 15    | 24    | 33    | 42    | 51    | 60    | 69    | 78    | 87    | 96 (F0) | 105 (5A) |          |  |
| LTE Band 17 | Full Power           | 10M_QPSK            | 23790   | 710             | 1RB     | 0Offset   | Left Cheek    | 0 mm    | 0.508                  | 0.057                              | 0.056 | 0.058 | 0.056 | 0.057 | 0.057 | 0.06  | 0.061 | 0.058 | 0.062 | 0.013   | 0.056    |          |  |
| Mode        | Power Reduction      | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |          |  |
|             |                      |                     |         |                 |         |           |               |         |                        | 7                                  | 16    | 25    | 34    | 43    | 52    | 61    | 70    | 79    | 88    | 97 (E1) | 106 (3C) |          |  |

|             |                 |                    |         |                 |         |           |               |         |                        |                                    |       |       |       |       |       |       |       |       |       |         |          |  |
|-------------|-----------------|--------------------|---------|-----------------|---------|-----------|---------------|---------|------------------------|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|----------|--|
| LTE Band 26 | Full Power      | 15M_QPSK           | 26965   | 841.5           | 1RB     | 0Offset   | Left Cheek    | 0 mm    | 0.687                  | 0.341                              | 0.263 | 0.282 | 0.37  | 0.262 | 0.25  | 0.3   | 0.33  | 0.26  | 0.27  | 0.17    | 0.31     |  |
| Mode        | Power Reduction | Service/Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |  |
|             |                 |                    |         |                 |         |           |               |         |                        | 8                                  | 17    | 26    | 35    | 44    | 53    | 62    | 71    | 80    | 89    | 98 (D2) | 107 (87) |  |
| LTE Band 71 | Full Power      | 20M_QPSK           | 133322  | 683             | 1RB     | 0Offset   | Left Cheek    | 0 mm    | 0.899                  | 0.054                              | 0.032 | 0.571 | 0.575 | 0.254 | 0.251 | 0.604 | 0.344 | 0.201 | 0.016 | 0.125   | 0.123    |  |

### <LAT Antenna>

|             |                 |                     |         |                 |         |           |               |         |                        |                                    |       |       |       |       |       |       |       |       |       |         |          |          |          |
|-------------|-----------------|---------------------|---------|-----------------|---------|-----------|---------------|---------|------------------------|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|----------|----------|----------|
| Mode        | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |          |          |
|             |                 |                     |         |                 |         |           |               |         |                        | 0                                  | 9     | 18    | 27    | 36    | 45    | 54    | 63    | 72    | 81    | 90      | 99 (B4)  | 108 (4B) | 42       |
| GSM850      | Full Power      | GPRS(4 Tx slot)     | 128     | 824.2           | N/A     | N/A       | Left Cheek    | 0 mm    | 0.173                  | 0.108                              | 0.113 | 0.128 | 0.112 | 0.112 | 0.094 | 0.113 | 0.115 | 0.102 | 0.099 | 0.102   | 0.036    | 0.095    | 0.035    |
| Mode        | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |          |          |
|             |                 |                     |         |                 |         |           |               |         |                        | 1                                  | 10    | 19    | 28    | 37    | 46    | 55    | 64    | 73    | 82    | 91      | 100 (78) | 109 (2D) | 51       |
| WCDMA V     | Full Power      | RMC 12.2Kbps        | 4233    | 846.6           | N/A     | N/A       | Left Cheek    | 0 mm    | 0.19                   | 0.162                              | 0.156 | 0.163 | 0.15  | 0.162 | 0.164 | 0.165 | 0.166 | 0.154 | 0.145 | 0.167   | 0.165    | 0.155    | 0.123    |
| Mode        | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |          |          |
|             |                 |                     |         |                 |         |           |               |         |                        | 2                                  | 11    | 20    | 29    | 38    | 47    | 56    | 65    | 74    | 83    | 92      | 101 (C3) | 110 (1E) | 60       |
| CDMA BC0    | Full Power      | RC3+S055            | 1013    | 824.7           | N/A     | N/A       | Left Cheek    | 0 mm    | 0.148                  | 0.134                              | 0.131 | 0.133 | 0.104 | 0.132 | 0.134 | 0.135 | 0.136 | 0.143 | 0.141 | 0.146   | 0.056    | 0.035    | 0.034    |
| Mode        | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |          |          |
|             |                 |                     |         |                 |         |           |               |         |                        | 3                                  | 12    | 21    | 30    | 39    | 48    | 57    | 66    | 75    | 84    | 93      | 102 (A5) | 111 (F)  | 69       |
| LTE Band 5  | Full Power      | 10M_QPSK            | 20525   | 836.5           | 1RB     | 0Offset   | Left Cheek    | 0 mm    | 0.146                  | 0.138                              | 0.143 | 0.119 | 0.117 | 0.123 | 0.127 | 0.124 | 0.139 | 0.113 | 0.113 | 0.109   | 0.06     | 0.065    | 0.02     |
| Mode        | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |          |          |
|             |                 |                     |         |                 |         |           |               |         |                        | 4                                  | 13    | 22    | 31    | 40    | 49    | 58    | 67    | 76    | 85    | 94      | 103 (69) | 6        | 78       |
| LTE Band 12 | Full Power      | 10M_QPSK            | 23095   | 707.5           | 1RB     | 49Offset  | Left Cheek    | 0 mm    | 0.133                  | 0.003                              | 0.005 | 0.013 | 0.015 | 0.004 | 0.01  | 0.011 | 0.014 | 0.02  | 0.017 | 0.033   | 0.005    | 0.032    | 0.031    |
| Mode        | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |          |          |
|             |                 |                     |         |                 |         |           |               |         |                        | 5                                  | 14    | 23    | 32    | 41    | 50    | 59    | 68    | 77    | 86    | 95      | 104 (96) | 15       | 87       |
| LTE Band 13 | Full Power      | 10M_QPSK            | 23230   | 782             | 1RB     | 25Offset  | Left Cheek    | 0 mm    | 0.101                  | 0.092                              | 0.089 | 0.083 | 0.081 | 0.084 | 0.093 | 0.099 | 0.082 | 0.087 | 0.099 | 0.096   | 0.07     | 0.013    | 0.011    |
| Mode        | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |          |          |
|             |                 |                     |         |                 |         |           |               |         |                        | 7                                  | 16    | 25    | 34    | 43    | 52    | 61    | 70    | 79    | 88    | 97 (E1) | 106 (3C) | 24       | 96 (F0)  |
| LTE Band 26 | Full Power      | 15M_QPSK            | 26965   | 841.5           | 1RB     | 0Offset   | Left Cheek    | 0 mm    | 0.127                  | 0.121                              | 0.132 | 0.108 | 0.106 | 0.117 | 0.115 | 0.118 | 0.101 | 0.103 | 0.107 | 0.101   | 0.091    | 0.031    | 0.06     |
| Mode        | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |          |          |
|             |                 |                     |         |                 |         |           |               |         |                        | 8                                  | 17    | 26    | 35    | 44    | 53    | 62    | 71    | 80    | 89    | 98 (D2) | 107 (87) | 33       | 105 (5A) |
| LTE Band 71 | Full Power      | 20M_QPSK            | 133322  | 683             | 1RB     | 0Offset   | Left Cheek    | 0 mm    | 0.107                  | 0.093                              | 0.092 | 0.091 | 0.097 | 0.095 | 0.081 | 0.098 | 0.097 | 0.092 | 0.096 | 0.056   | 0.051    | 0.012    | 0.04     |

|              |                 |                     |         |                 |         |           |               |         |                        |                                    |       |       |       |       |       |       |       |       |       |
|--------------|-----------------|---------------------|---------|-----------------|---------|-----------|---------------|---------|------------------------|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Mode         | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |
|              |                 |                     |         |                 |         |           |               |         |                        | 0                                  | 10    | 20    | 30    | 40    | 50    | 60    | 70    | 80    | 90    |
| GSM1900      | Full Power      | GPRS(3 Tx slots)    | 810     | 1909.8          | N/A     | N/A       | Right Cheek   | 0 mm    | 0.098                  | 0.07                               | 0.086 | 0.075 | 0.082 | 0.086 | 0.083 | 0.064 | 0.083 | 0.075 | 0.086 |
| Mode         | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |
|              |                 |                     |         |                 |         |           |               |         |                        | 1                                  | 11    | 21    | 31    | 41    | 51    | 61    | 71    | 81    | 91    |
| WCDMA IV     | Full Power      | RMC 12.2Kbps        | 1513    | 1752.6          | N/A     | N/A       | Right Cheek   | 0 mm    | 0.242                  | 0.114                              | 0.088 | 0.074 | 0.109 | 0.137 | 0.157 | 0.188 | 0.084 | 0.066 | 0.121 |
| Mode         | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |
|              |                 |                     |         |                 |         |           |               |         |                        | 2                                  | 12    | 22    | 32    | 42    | 52    | 62    | 72    | 82    | 92    |
| WCDMA II     | Full Power      | RMC 12.2Kbps        | 9400    | 1880            | N/A     | N/A       | Right Cheek   | 0 mm    | 0.264                  | 0.146                              | 0.112 | 0.163 | 0.192 | 0.201 | 0.204 | 0.19  | 0.237 | 0.152 | 0.2   |
| Mode         | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |
|              |                 |                     |         |                 |         |           |               |         |                        | 3                                  | 13    | 23    | 33    | 43    | 53    | 63    | 73    | 83    | 93    |
| CDMA2000 BC1 | Full Power      | RC3+S055            | 1175    | 1908.75         | N/A     | N/A       | Right Cheek   | 0 mm    | 0.237                  | 0.135                              | 0.115 | 0.156 | 0.124 | 0.182 | 0.173 | 0.178 | 0.224 | 0.126 | 0.129 |
| Mode         | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |
|              |                 |                     |         |                 |         |           |               |         |                        | 4                                  | 14    | 24    | 34    | 44    | 54    | 64    | 74    | 84    | 94    |
| LTE Band 2   | Full Power      | 20M_QPSK            | 18700   | 1860            | 1RB     | 0Offset   | Right Cheek   | 0 mm    | 0.213                  | 0.116                              | 0.098 | 0.194 | 0.122 | 0.137 | 0.142 | 0.142 | 0.21  | 0.202 | 0.111 |
| Mode         | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |
|              |                 |                     |         |                 |         |           |               |         |                        | 5                                  | 15    | 25    | 35    | 45    | 55    | 65    | 75    | 85    | 95    |
| LTE Band 66  | Full Power      | 20M_QPSK            | 132322  | 1745            | 1RB     | 0Offset   | Right Cheek   | 0 mm    | 0.231                  | 0.101                              | 0.088 | 0.213 | 0.093 | 0.069 | 0.121 | 0.13  | 0.182 | 0.142 | 0.085 |
| Mode         | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |
|              |                 |                     |         |                 |         |           |               |         |                        | 6                                  | 16    | 26    | 36    | 46    | 56    | 66    | 76    | 86    |       |
| LTE Band 7   | Full Power      | 20M_QPSK            | 21100   | 2535            | 1RB     | 99Offset  | Left Cheek    | 0 mm    | 0.109                  | 0.068                              | 0.067 | 0.087 | 0.12  | 0.051 | 0.06  | 0.066 | 0.064 | 0.101 |       |
| Mode         | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |
|              |                 |                     |         |                 |         |           |               |         |                        | 7                                  | 17    | 27    | 37    | 47    | 57    | 67    | 77    | 87    |       |
| LTE Band 25  | Full Power      | 20M_QPSK            | 26590   | 1905            | 1RB     | 0Offset   | Right Cheek   | 0 mm    | 0.172                  | 0.128                              | 0.106 | 0.166 | 0.153 | 0.126 | 0.118 | 0.134 | 0.166 | 0.156 |       |



| Mode        | Power Reduction | Service/Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |     |  |
|-------------|-----------------|--------------------|---------|-----------------|---------|-----------|---------------|---------|------------------------|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-----|--|
|             |                 |                    |         |                 |         |           |               |         |                        | 8                                  | 18    | 28    | 38    | 48    | 58    | 68    | 78    | 88  |  |
| LTE Band 30 | Full Power      | 10M_QPSK           | 27710   | 2310            | 1RB     | 0Offset   | Left Cheek    | 0 mm    | 0.121                  | 0.1                                | 0.09  | 0.102 | 0.092 | 0.08  | 0.069 | 0.088 | 0.09  | 0.1 |  |
| Mode        | Power Reduction | Service/Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |     |  |
|             |                 |                    |         |                 |         |           |               |         |                        | 9                                  | 19    | 29    | 39    | 49    | 59    | 69    | 79    | 89  |  |
| LTE Band 41 | Full Power      | 20M_QPSK           | 41055   | 2636.5          | 1RB     | 49Offset  | Left Cheek    | 0 mm    | 0.069                  | 0.023                              | 0.002 | 0.031 | 0.012 | 0.013 | 0.011 | 0.015 | 0.001 | 0.2 |  |

## 15.2 Supplemental Body SAR results

### <UAT Antenna>

| Mode        | Power Reduction | Service/Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |          |       |     |  |
|-------------|-----------------|--------------------|---------|-----------------|---------|-----------|---------------|---------|------------------------|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|----------|----------|-------|-----|--|
|             |                 |                    |         |                 |         |           |               |         |                        | 0                                  | 9     | 18    | 27    | 36    | 45    | 54    | 63    | 72    | 81    | 90      | 99 (B4)  | 108 (4B) | 117   | 126 |  |
| GSM850      | Full Power      | GPRS(4 Tx slots)   | 251     | 848.8           | N/A     | N/A       | Left Side     | 10mm    | 0.911                  | 0.138                              | 0.164 | 0.083 | 0.138 | 0.147 | 0.175 | 0.149 | 0.121 | 0.125 | 0.119 | 0.131   | 0.103    | 0.101    | 0.135 |     |  |
| Mode        | Power Reduction | Service/Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |          |       |     |  |
|             |                 |                    |         |                 |         |           |               |         |                        | 1                                  | 10    | 19    | 28    | 37    | 46    | 55    | 64    | 73    | 82    | 91      | 100 (78) | 109 (2D) | 118   | 127 |  |
| WCDMA V     | Full Power      | RMC 12.2Kbps       | 4182    | 836.4           | N/A     | N/A       | Left Side     | 10mm    | 0.982                  | 0.112                              | 0.143 | 0.12  | 0.132 | 0.129 | 0.154 | 0.116 | 0.105 | 0.146 | 0.149 | 0.131   | 0.1      | 0.2      | 0.101 |     |  |
| Mode        | Power Reduction | Service/Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |          |       |     |  |
|             |                 |                    |         |                 |         |           |               |         |                        | 2                                  | 11    | 20    | 29    | 38    | 47    | 56    | 65    | 74    | 83    | 92      | 101 (C3) | 110 (1E) | 119   | 128 |  |
| CDMA BC0    | Full Power      | RTAP 153.6Kbps     | 384     | 836.52          | N/A     | N/A       | Back          | 10mm    | 0.926                  | 0.067                              | 0.684 | 0.74  | 0.141 | 0.05  | 0.242 | 0.432 | 0.228 | 0.05  | 0.355 | 0.504   | 0.21     | 0.1      | 0.225 |     |  |
| Mode        | Power Reduction | Service/Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |          |       |     |  |
|             |                 |                    |         |                 |         |           |               |         |                        | 3                                  | 12    | 21    | 30    | 39    | 48    | 57    | 66    | 75    | 84    | 93      | 102 (A5) | 111 (F)  | 120   | 129 |  |
| LTE Band 5  | Hotspot&2.4G    | 10M_QPSK           | 20525   | 836.5           | 1RB     | 0Offset   | Left Side     | 10mm    | 0.883                  | 0.47                               | 0.155 | 0.468 | 0.056 | 0.321 | 0.062 | 0.246 | 0.337 | 0.056 | 0.054 | 0.055   | 0.161    | 0.15     | 0.351 |     |  |
| Mode        | Power Reduction | Service/Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |          |       |     |  |
|             |                 |                    |         |                 |         |           |               |         |                        | 4                                  | 13    | 22    | 31    | 40    | 49    | 58    | 67    | 76    | 85    | 94      | 103 (69) | 112      | 121   | 130 |  |
| LTE Band 12 | Full Power      | 10M_QPSK           | 23095   | 707.5           | 1RB     | 49Offset  | Left Side     | 10mm    | 0.963                  | 0.072                              | 0.143 | 0.107 | 0.109 | 0.094 | 0.121 | 0.105 | 0.134 | 0.105 | 0.106 | 0.114   | 0.082    | 0.056    | 0.12  |     |  |
| Mode        | Power Reduction | Service/Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |          |       |     |  |
|             |                 |                    |         |                 |         |           |               |         |                        | 5                                  | 14    | 23    | 32    | 41    | 50    | 59    | 68    | 77    | 86    | 95      | 104 (96) | 113      | 122   | 131 |  |
| LTE Band 13 | Hotspot&2.4G    | 10M_QPSK           | 23230   | 782             | 25RB    | 12Offset  | Back          | 10mm    | 0.72                   | 0.116                              | 0.044 | 0.151 | 0.152 | 0.071 | 0.02  | 0.206 | 0.204 | 0.021 | 0.06  | 0.02    | 0.05     | 0.2      | 0.126 |     |  |
| Mode        | Power Reduction | Service/Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |          |       |     |  |
|             |                 |                    |         |                 |         |           |               |         |                        | 7                                  | 16    | 25    | 34    | 43    | 52    | 61    | 70    | 79    | 88    | 97 (E1) | 106 (3C) | 115      | 124   | 133 |  |
| LTE Band 26 | Full Power      | 15M_QPSK           | 26865   | 831.5           | 1RB     | 0Offset   | Back          | 10mm    | 0.703                  | 0.128                              | 0.132 | 0.135 | 0.141 | 0.133 | 0.128 | 0.129 | 0.146 | 0.144 | 0.14  | 0.12    | 0.06     | 0.12     | 0.14  |     |  |
| Mode        | Power Reduction | Service/Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |          |       |     |  |
|             |                 |                    |         |                 |         |           |               |         |                        | 8                                  | 17    | 26    | 35    | 44    | 53    | 62    | 71    | 80    | 89    | 98 (D2) | 107 (87) | 116      | 125   | 134 |  |
| LTE Band 71 | Full Power      | 20M_QPSK           | 133322  | 683             | 1RB     | 0Offset   | Left Side     | 10mm    | 0.827                  | 0.085                              | 0.124 | 0.12  | 0.104 | 0.025 | 0.12  | 0.1   | 0.074 | 0.05  | 0.017 | 0.04    | 0.047    | 0.21     | 0.12  |     |  |

### <LAT Antenna>

| Mode        | Power Reduction | Service/Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |          |          |       |     |  |
|-------------|-----------------|--------------------|---------|-----------------|---------|-----------|---------------|---------|------------------------|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|-------|-----|--|
|             |                 |                    |         |                 |         |           |               |         |                        | 0                                  | 9     | 18    | 27    | 36    | 45    | 54    | 63    | 72    | 81    | 90    | 99 (B4)  | 108 (4B) | 117   | 126 |  |
| GSM850      | Full Power      | GPRS(4 Tx slots)   | 189     | 836.4           | N/A     | N/A       | Back          | 10mm    | 0.142                  | 0.076                              | 0.032 | 0.018 | 0.025 | 0.033 | 0.001 | 0.046 | 0.044 | 0.021 | 0.112 | 0     | 0.044    | 0.028    | 0.015 |     |  |
| Mode        | Power Reduction | Service/Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |          |          |       |     |  |
|             |                 |                    |         |                 |         |           |               |         |                        | 1                                  | 10    | 19    | 28    | 37    | 46    | 55    | 64    | 73    | 82    | 91    | 100 (78) | 109 (2D) | 118   | 127 |  |
| WCDMA V     | Full Power      | RMC 12.2Kbps       | 4132    | 826.4           | N/A     | N/A       | Bottom Side   | 10mm    | 0.16                   | 0.018                              | 0.005 | 0.009 | 0.038 | 0     | 0.054 | 0.062 | 0.077 | 0.023 | 0.009 | 0     | 0.056    | 0.035    | 0.03  |     |  |
| Mode        | Power Reduction | Service/Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |          |          |       |     |  |
|             |                 |                    |         |                 |         |           |               |         |                        | 2                                  | 11    | 20    | 29    | 38    | 47    | 56    | 65    | 74    | 83    | 92    | 101 (C3) | 110 (1E) | 119   | 128 |  |
| CDMA BC0    | Full Power      | RTAP 153.6Kbps     | 384     | 836.52          | N/A     | N/A       | Bottom Side   | 10mm    | 0.172                  | 0.036                              | 0.061 | 0.06  | 0.054 | 0.036 | 0.041 | 0.066 | 0.051 | 0     | 0.056 | 0.05  | 0.032    | 0.05     | 0.01  |     |  |
| Mode        | Power Reduction | Service/Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |          |          |       |     |  |
|             |                 |                    |         |                 |         |           |               |         |                        | 3                                  | 12    | 21    | 30    | 39    | 48    | 57    | 66    | 75    | 84    | 93    | 102 (A5) | 111 (F)  | 120   | 129 |  |
| LTE Band 5  | Full Power      | 10M_QPSK           | 20525   | 836.5           | 1RB     | 0Offset   | Back          | 10mm    | 0.169                  | 0.07                               | 0.113 | 0.05  | 0     | 0.028 | 0.035 | 0.044 | 0     | 0.067 | 0.032 | 0.098 | 0.03     | 0.041    | 0.029 |     |  |
| Mode        | Power Reduction | Service/Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |       |          |          |       |     |  |
|             |                 |                    |         |                 |         |           |               |         |                        | 4                                  | 13    | 22    | 31    | 40    | 49    | 58    | 67    | 76    | 85    | 94    | 103 (69) | 112      | 121   | 130 |  |
| LTE Band 12 | Full Power      | 10M_QPSK           | 23095   | 707.5           | 1RB     | 49Offset  | Right Side    | 10mm    | 0.212                  | 0.011                              | 0.05  | 0.012 | 0.036 | 0.02  | 0.07  | 0.074 | 0.107 | 0.039 | 0     | 0.069 | 0.021    | 0.026    | 0.025 |     |  |



# FCC SAR TEST REPORT

Report No. : FA8D2526-01

| Mode        | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |       |          |
|-------------|-----------------|---------------------|---------|-----------------|---------|-----------|---------------|---------|------------------------|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|----------|-------|----------|
|             |                 |                     |         |                 |         |           |               |         |                        | 5                                  | 14    | 23    | 32    | 41    | 50    | 59    | 68    | 77    | 86    | 95      | 104 (96) | 15    | 87       |
| LTE Band 13 | Full Power      | 10M_QPSK            | 23230   | 782             | 1RB     | 25Offset  | Back          | 10mm    | 0.215                  | 0.001                              | 0.009 | 0.019 | 0.038 | 0.005 | 0.012 | 0.024 | 0.048 | 0     | 0.01  | 0.03    | 0.026    | 0.04  | 0.041    |
| Mode        | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |       |          |
|             |                 |                     |         |                 |         |           |               |         |                        | 7                                  | 16    | 25    | 34    | 43    | 52    | 61    | 70    | 79    | 88    | 97 (E1) | 106 (3C) | 24    | 96 (F0)  |
| LTE Band 26 | Full Power      | 15M_QPSK            | 26865   | 831.5           | 1RB     | 0Offset   | Back          | 10mm    | 0.153                  | 0.003                              | 0     | 0.002 | 0.005 | 0.023 | 0.049 | 0.032 | 0.023 | 0.018 | 0.001 | 0.026   | 0.036    | 0.03  | 0.065    |
| Mode        | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |         |          |       |          |
|             |                 |                     |         |                 |         |           |               |         |                        | 8                                  | 17    | 26    | 35    | 44    | 53    | 62    | 71    | 80    | 89    | 98 (D2) | 107 (87) | 33    | 105 (5A) |
| LTE Band 71 | Full Power      | 20M_QPSK            | 133322  | 683             | 1RB     | 0Offset   | Back          | 10mm    | 0.237                  | 0.005                              | 0.01  | 0.015 | 0.024 | 0.01  | 0     | 0.022 | 0.033 | 0.04  | 0.012 | 0.054   | 0.05     | 0.025 | 0.032    |

| Mode         | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |
|--------------|-----------------|---------------------|---------|-----------------|---------|-----------|---------------|---------|------------------------|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|              |                 |                     |         |                 |         |           |               |         |                        | 0                                  | 10    | 20    | 30    | 40    | 50    | 60    | 70    | 80    | 90    |
| GSM1900      | Full Power      | GPRS(3 Tx slots)    | 661     | 1880            | N/A     | N/A       | Bottom Side   | 10mm    | 0.858                  | 0.566                              | 0.629 | 0.671 | 0.648 | 0.784 | 0.785 | 0.756 | 0.668 | 0.563 | 0.74  |
| Mode         | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |
|              |                 |                     |         |                 |         |           |               |         |                        | 1                                  | 11    | 21    | 31    | 41    | 51    | 61    | 71    | 81    | 91    |
| WCDMA IV     | Hotspot On      | RMC 12.2Kbps        | 1413    | 1732.6          | N/A     | N/A       | Bottom Side   | 10mm    | 0.957                  | 0.753                              | 0.57  | 0.516 | 0.646 | 0.819 | 0.907 | 0.955 | 0.522 | 0.561 | 0.69  |
| Mode         | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |
|              |                 |                     |         |                 |         |           |               |         |                        | 2                                  | 12    | 22    | 32    | 42    | 52    | 62    | 72    | 82    | 92    |
| WCDMA II     | Hotspot On      | RMC 12.2Kbps        | 9538    | 1907.6          | N/A     | N/A       | Bottom Side   | 10mm    | 1.08                   | 0.731                              | 0.653 | 0.734 | 0.827 | 0.869 | 0.831 | 0.96  | 1.01  | 0.563 | 0.77  |
| Mode         | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |
|              |                 |                     |         |                 |         |           |               |         |                        | 3                                  | 13    | 23    | 33    | 43    | 53    | 63    | 73    | 83    | 93    |
| CDMA2000 BC1 | Hotspot On      | RTAP 153.6Kbps      | 600     | 1880            | N/A     | N/A       | Bottom Side   | 10mm    | 0.855                  | 0.629                              | 0.568 | 0.547 | 0.59  | 0.667 | 0.713 | 0.767 | 0.849 | 0.481 | 0.6   |
| Mode         | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |
|              |                 |                     |         |                 |         |           |               |         |                        | 4                                  | 14    | 24    | 34    | 44    | 54    | 64    | 74    | 84    | 95    |
| LTE Band 66  | Hotspot On      | 20M_QPSK            | 132572  | 1770            | 50RB    | 0Offset   | Bottom Side   | 10mm    | 1.07                   | 0.619                              | 0.624 | 0.891 | 0.452 | 0.578 | 0.6   | 0.791 | 0.841 | 0.588 | 0.612 |
| Mode         | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |
|              |                 |                     |         |                 |         |           |               |         |                        | 5                                  | 15    | 25    | 35    | 45    | 55    | 65    | 75    | 85    |       |
| LTE Band 7   | Hotspot On      | 20M_QPSK            | 20850   | 2510            | 1RB     | 99Offset  | Bottom Side   | 10mm    | 0.871                  | 0.452                              | 0.438 | 0.605 | 0.687 | 0.686 | 0.4   | 0.434 | 0.465 | 0.651 |       |
| Mode         | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |
|              |                 |                     |         |                 |         |           |               |         |                        | 6                                  | 16    | 26    | 36    | 46    | 56    | 66    | 76    | 86    |       |
| LTE Band 25  | Hotspot On      | 20M_QPSK            | 26340   | 1880            | 50RB    | 24Offset  | Bottom Side   | 10mm    | 0.971                  | 0.63                               | 0.586 | 0.853 | 0.887 | 0.545 | 0.609 | 0.641 | 0.72  | 0.892 |       |
| Mode         | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |
|              |                 |                     |         |                 |         |           |               |         |                        | 7                                  | 17    | 27    | 37    | 47    | 57    | 67    | 77    | 87    |       |
| LTE Band 30  | Full Power      | 10M_QPSK            | 27710   | 2310            | 1RB     | 0Offset   | Bottom Side   | 10mm    | 0.897                  | 0.887                              | 0.882 | 0.863 | 0.772 | 0.658 | 0.74  | 0.869 | 0.849 | 0.866 |       |
| Mode         | Power Reduction | Service/ Modulation | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | Average Value of Time Sweep (W/kg) |       |       |       |       |       |       |       |       |       |
|              |                 |                     |         |                 |         |           |               |         |                        | 8                                  | 18    | 28    | 38    | 48    | 58    | 68    | 78    | 88    |       |
| LTE Band 41  | Full Power      | 20M_QPSK            | 40185   | 2549.5          | 1RB     | 0Offset   | Bottom Side   | 10mm    | 0.768                  | 0.461                              | 0.371 | 0.454 | 0.637 | 0.691 | 0.369 | 0.372 | 0.365 | 0.51  |       |

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## **16. 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.

## **17. 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 248227 D01 v02r02, "SAR Guidance for IEEE 802.11 (WiFi) Transmitters", Oct 2015.
- [6] FCC KDB 447498 D01 v06, "Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies", Oct 2015
- [7] FCC KDB 648474 D04 v01r03, "SAR Evaluation Considerations for Wireless Handsets", Oct 2015.
- [8] FCC KDB 941225 D01 v03r01, "3G SAR MEAUREMENT PROCEDURES", Oct 2015
- [9] FCC KDB 941225 D05 v02r05, "SAR Evaluation Considerations for LTE Devices", Dec 2015
- [10] FCC KDB 941225 D05A v01r02, "Rel. 10 LTE SAR Test Guidance and KDB Inquiries", Oct 2015
- [11] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.
- [12] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [13] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.