

| BW (MHz) | Ch    | Freq. (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) |
|----------|-------|-------------|-------|------------------|--------------|-----|---------------------|
| 1.4MHz   | 26697 | 814.7       | QPSK  | 1                | 0            | 0   | 23.74               |
|          |       |             |       | 1                | 2            | 0   | 23.62               |
|          |       |             |       | 1                | 5            | 0   | 23.64               |
|          |       |             |       | 3                | 0            | 0   | 23.83               |
|          |       |             |       | 3                | 1            | 0   | 23.84               |
|          |       |             |       | 3                | 2            | 0   | 23.74               |
|          |       |             |       | 6                | 0            | 1   | 22.82               |
|          |       |             | 16QAM | 1                | 0            | 1   | 22.71               |
|          |       |             |       | 1                | 2            | 1   | 22.67               |
|          |       |             |       | 1                | 5            | 1   | 22.57               |
|          |       |             |       | 3                | 0            | 1   | 22.64               |
|          |       |             |       | 3                | 1            | 1   | 22.64               |
|          |       |             |       | 3                | 2            | 1   | 22.62               |
|          |       |             |       | 6                | 0            | 2   | 21.77               |
|          | 26740 | 819.0       | QPSK  | 1                | 0            | 0   | 23.69               |
|          |       |             |       | 1                | 2            | 0   | 23.70               |
|          |       |             |       | 1                | 5            | 0   | 23.55               |
|          |       |             |       | 3                | 0            | 0   | 23.67               |
|          |       |             |       | 3                | 1            | 0   | 23.67               |
|          |       |             |       | 3                | 2            | 0   | 23.52               |
|          |       |             |       | 6                | 0            | 1   | 22.73               |
|          |       |             | 16QAM | 1                | 0            | 1   | 22.62               |
|          |       |             |       | 1                | 2            | 1   | 22.64               |
|          |       |             |       | 1                | 5            | 1   | 22.44               |
|          |       |             |       | 3                | 0            | 1   | 22.59               |
|          |       |             |       | 3                | 1            | 1   | 22.56               |
|          |       |             |       | 3                | 2            | 1   | 22.48               |
|          |       |             |       | 6                | 0            | 2   | 21.68               |
|          | 26783 | 823.3       | QPSK  | 1                | 0            | 0   | 23.60               |
|          |       |             |       | 1                | 2            | 0   | 23.67               |
|          |       |             |       | 1                | 5            | 0   | 23.52               |
|          |       |             |       | 3                | 0            | 0   | 23.61               |
|          |       |             |       | 3                | 1            | 0   | 23.67               |
|          |       |             |       | 3                | 2            | 0   | 23.56               |
|          |       |             |       | 6                | 0            | 1   | 22.63               |
|          |       |             | 16QAM | 1                | 0            | 1   | 22.55               |
|          |       |             |       | 1                | 2            | 1   | 22.62               |
|          |       |             |       | 1                | 5            | 1   | 22.40               |
|          |       |             |       | 3                | 0            | 1   | 22.56               |
|          |       |             |       | 3                | 1            | 1   | 22.45               |
|          |       |             |       | 3                | 2            | 1   | 22.35               |
|          |       |             |       | 6                | 0            | 2   | 21.62               |

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## LTE Band 38

| BW (MHz) | Ch     | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) |
|----------|--------|-------------|------|------------------|--------------|-----|---------------------|
| 37850    | 2580.0 | QPSK        | 1    | 0                | 0            |     | 22.65               |
|          |        |             | 1    | 49               | 0            |     | 22.30               |
|          |        |             | 1    | 99               | 0            |     | 22.59               |
|          |        |             | 50   | 0                | 1            |     | 21.34               |
|          |        |             | 50   | 25               | 1            |     | 21.35               |
|          |        |             | 50   | 49               | 1            |     | 21.37               |
|          |        |             | 100  | 0                | 1            |     | 21.38               |
|          |        | 16QAM       | 1    | 0                | 1            |     | 21.72               |
|          |        |             | 1    | 49               | 1            |     | 21.78               |
|          |        |             | 1    | 99               | 1            |     | 21.29               |
|          |        |             | 50   | 0                | 2            |     | 20.38               |
|          |        |             | 50   | 25               | 2            |     | 20.37               |
|          |        |             | 50   | 49               | 2            |     | 20.38               |
|          |        |             | 100  | 0                | 2            |     | 20.33               |
| 20MHz    | 38000  | QPSK        | 1    | 0                | 0            |     | 22.25               |
|          |        |             | 1    | 49               | 0            |     | 22.68               |
|          |        |             | 1    | 99               | 0            |     | 21.95               |
|          |        |             | 50   | 0                | 1            |     | 21.23               |
|          |        |             | 50   | 25               | 1            |     | 21.04               |
|          |        |             | 50   | 49               | 1            |     | 21.06               |
|          |        |             | 100  | 0                | 1            |     | 21.16               |
|          |        | 16QAM       | 1    | 0                | 1            |     | 21.31               |
|          |        |             | 1    | 49               | 1            |     | 20.94               |
|          |        |             | 1    | 99               | 1            |     | 20.74               |
|          |        |             | 50   | 0                | 2            |     | 20.28               |
|          |        |             | 50   | 25               | 2            |     | 20.09               |
|          |        |             | 50   | 49               | 2            |     | 20.11               |
|          |        |             | 100  | 0                | 2            |     | 20.12               |
| 38150    | 2610.0 | QPSK        | 1    | 0                | 0            |     | 22.24               |
|          |        |             | 1    | 49               | 0            |     | 22.27               |
|          |        |             | 1    | 99               | 0            |     | 22.52               |
|          |        |             | 50   | 0                | 1            |     | 21.14               |
|          |        |             | 50   | 25               | 1            |     | 21.39               |
|          |        |             | 50   | 49               | 1            |     | 21.15               |
|          |        |             | 100  | 0                | 1            |     | 21.28               |
|          |        | 16QAM       | 1    | 0                | 1            |     | 21.05               |
|          |        |             | 1    | 49               | 1            |     | 21.18               |
|          |        |             | 1    | 99               | 1            |     | 21.47               |
|          |        |             | 50   | 0                | 2            |     | 20.13               |
|          |        |             | 50   | 25               | 2            |     | 20.13               |
|          |        |             | 50   | 49               | 2            |     | 20.36               |
|          |        |             | 100  | 0                | 2            |     | 20.29               |

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| BW (MHz) | Ch    | Freq. (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) |
|----------|-------|-------------|-------|------------------|--------------|-----|---------------------|
| 15MHz    | 37825 | 2577.5      | QPSK  | 1                | 0            | 0   | 22.74               |
|          |       |             |       | 1                | 38           | 0   | 22.28               |
|          |       |             |       | 1                | 74           | 0   | 22.58               |
|          |       |             |       | 38               | 0            | 1   | 21.77               |
|          |       |             |       | 38               | 18           | 1   | 21.24               |
|          |       |             |       | 38               | 37           | 1   | 21.58               |
|          |       |             |       | 75               | 0            | 1   | 21.31               |
|          |       |             | 16QAM | 1                | 0            | 1   | 21.76               |
|          |       |             |       | 1                | 38           | 1   | 21.39               |
|          |       |             |       | 1                | 74           | 1   | 21.60               |
|          |       |             |       | 38               | 0            | 2   | 21.35               |
|          |       |             |       | 38               | 18           | 2   | 21.76               |
|          |       |             |       | 38               | 37           | 2   | 21.57               |
|          |       |             |       | 75               | 0            | 2   | 20.35               |
| 15MHz    | 38000 | 2595        | QPSK  | 1                | 0            | 0   | 22.30               |
|          |       |             |       | 1                | 38           | 0   | 22.29               |
|          |       |             |       | 1                | 74           | 0   | 21.89               |
|          |       |             |       | 38               | 0            | 1   | 21.36               |
|          |       |             |       | 38               | 18           | 1   | 21.06               |
|          |       |             |       | 38               | 37           | 1   | 21.53               |
|          |       |             |       | 75               | 0            | 1   | 21.05               |
|          |       |             | 16QAM | 1                | 0            | 1   | 21.34               |
|          |       |             |       | 1                | 38           | 1   | 21.05               |
|          |       |             |       | 1                | 74           | 1   | 21.51               |
|          |       |             |       | 38               | 0            | 2   | 21.53               |
|          |       |             |       | 38               | 18           | 2   | 21.33               |
|          |       |             |       | 38               | 37           | 2   | 21.07               |
|          |       |             |       | 75               | 0            | 2   | 20.11               |
| 15MHz    | 38175 | 2612.5      | QPSK  | 1                | 0            | 0   | 22.45               |
|          |       |             |       | 1                | 38           | 0   | 22.51               |
|          |       |             |       | 1                | 74           | 0   | 22.20               |
|          |       |             |       | 38               | 0            | 1   | 21.17               |
|          |       |             |       | 38               | 18           | 1   | 20.89               |
|          |       |             |       | 38               | 37           | 1   | 21.17               |
|          |       |             |       | 75               | 0            | 1   | 21.24               |
|          |       |             | 16QAM | 1                | 0            | 1   | 20.86               |
|          |       |             |       | 1                | 38           | 1   | 21.15               |
|          |       |             |       | 1                | 74           | 1   | 21.21               |
|          |       |             |       | 38               | 0            | 2   | 21.22               |
|          |       |             |       | 38               | 18           | 2   | 20.90               |
|          |       |             |       | 38               | 37           | 2   | 21.24               |
|          |       |             |       | 75               | 0            | 2   | 20.24               |

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| BW (MHz) | Ch    | Freq. (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) |
|----------|-------|-------------|-------|------------------|--------------|-----|---------------------|
| 10MHz    | 37800 | 25750.0     | QPSK  | 1                | 0            | 0   | 21.35               |
|          |       |             |       | 1                | 24           | 0   | 21.62               |
|          |       |             |       | 1                | 49           | 0   | 21.83               |
|          |       |             |       | 25               | 0            | 1   | 20.45               |
|          |       |             |       | 25               | 12           | 1   | 20.47               |
|          |       |             |       | 25               | 25           | 1   | 20.40               |
|          |       |             |       | 50               | 0            | 1   | 20.44               |
|          |       |             | 16QAM | 1                | 0            | 1   | 20.81               |
|          |       |             |       | 1                | 24           | 1   | 20.71               |
|          |       |             |       | 1                | 49           | 1   | 20.33               |
|          |       |             |       | 25               | 0            | 2   | 19.41               |
|          |       |             |       | 25               | 12           | 2   | 19.46               |
|          |       |             |       | 25               | 25           | 2   | 19.46               |
|          |       |             |       | 50               | 0            | 2   | 19.42               |
|          | 38000 | 25950.0     | QPSK  | 1                | 0            | 0   | 21.48               |
|          |       |             |       | 1                | 24           | 0   | 21.55               |
|          |       |             |       | 1                | 49           | 0   | 21.13               |
|          |       |             |       | 25               | 0            | 1   | 20.34               |
|          |       |             |       | 25               | 12           | 1   | 20.21               |
|          |       |             |       | 25               | 25           | 1   | 20.16               |
|          |       |             |       | 50               | 0            | 1   | 20.19               |
|          |       |             | 16QAM | 1                | 0            | 1   | 20.63               |
|          |       |             |       | 1                | 24           | 1   | 20.59               |
|          |       |             |       | 1                | 49           | 1   | 19.97               |
|          |       |             |       | 25               | 0            | 2   | 19.35               |
|          |       |             |       | 25               | 12           | 2   | 19.20               |
|          |       |             |       | 25               | 25           | 2   | 19.21               |
|          |       |             |       | 50               | 0            | 2   | 19.22               |
|          | 38200 | 26150.0     | QPSK  | 1                | 0            | 0   | 21.25               |
|          |       |             |       | 1                | 24           | 0   | 21.63               |
|          |       |             |       | 1                | 49           | 0   | 21.62               |
|          |       |             |       | 25               | 0            | 1   | 20.31               |
|          |       |             |       | 25               | 12           | 1   | 20.40               |
|          |       |             |       | 25               | 25           | 1   | 20.33               |
|          |       |             |       | 50               | 0            | 1   | 20.31               |
|          |       |             | 16QAM | 1                | 0            | 1   | 19.98               |
|          |       |             |       | 1                | 24           | 1   | 20.26               |
|          |       |             |       | 1                | 49           | 1   | 20.47               |
|          |       |             |       | 25               | 0            | 2   | 19.36               |
|          |       |             |       | 25               | 12           | 2   | 19.36               |
|          |       |             |       | 25               | 25           | 2   | 19.33               |
|          |       |             |       | 50               | 0            | 2   | 19.29               |

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| BW (MHz) | Ch    | Freq. (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) |
|----------|-------|-------------|-------|------------------|--------------|-----|---------------------|
| 5MHz     | 37775 | 2572.5      | QPSK  | 1                | 0            | 0   | 21.56               |
|          |       |             |       | 1                | 12           | 0   | 21.37               |
|          |       |             |       | 1                | 24           | 0   | 21.29               |
|          |       |             |       | 12               | 0            | 1   | 20.46               |
|          |       |             |       | 12               | 6            | 1   | 20.42               |
|          |       |             |       | 12               | 13           | 1   | 20.37               |
|          |       |             |       | 25               | 0            | 1   | 20.39               |
|          |       |             | 16QAM | 1                | 0            | 1   | 20.91               |
|          |       |             |       | 1                | 12           | 1   | 20.66               |
|          |       |             |       | 1                | 24           | 1   | 20.64               |
|          |       |             |       | 12               | 0            | 2   | 19.52               |
|          |       |             |       | 12               | 6            | 2   | 19.49               |
|          |       |             |       | 12               | 13           | 2   | 19.33               |
|          |       |             |       | 25               | 0            | 2   | 19.32               |
| 5MHz     | 38000 | 2595        | QPSK  | 1                | 0            | 0   | 21.26               |
|          |       |             |       | 1                | 12           | 0   | 21.19               |
|          |       |             |       | 1                | 24           | 0   | 21.12               |
|          |       |             |       | 12               | 0            | 1   | 20.20               |
|          |       |             |       | 12               | 6            | 1   | 20.14               |
|          |       |             |       | 12               | 13           | 1   | 20.14               |
|          |       |             |       | 25               | 0            | 1   | 20.14               |
|          |       |             | 16QAM | 1                | 0            | 1   | 20.17               |
|          |       |             |       | 1                | 12           | 1   | 20.09               |
|          |       |             |       | 1                | 24           | 1   | 20.24               |
|          |       |             |       | 12               | 0            | 2   | 19.13               |
|          |       |             |       | 12               | 6            | 2   | 19.12               |
|          |       |             |       | 12               | 13           | 2   | 19.22               |
|          |       |             |       | 25               | 0            | 2   | 19.14               |
| 5MHz     | 38225 | 2617.5      | QPSK  | 1                | 0            | 0   | 21.23               |
|          |       |             |       | 1                | 12           | 0   | 21.41               |
|          |       |             |       | 1                | 24           | 0   | 21.36               |
|          |       |             |       | 12               | 0            | 1   | 20.32               |
|          |       |             |       | 12               | 6            | 1   | 20.34               |
|          |       |             |       | 12               | 13           | 1   | 20.21               |
|          |       |             |       | 25               | 0            | 1   | 20.34               |
|          |       |             | 16QAM | 1                | 0            | 1   | 20.27               |
|          |       |             |       | 1                | 12           | 1   | 20.36               |
|          |       |             |       | 1                | 24           | 1   | 20.36               |
|          |       |             |       | 12               | 0            | 2   | 19.30               |
|          |       |             |       | 12               | 6            | 2   | 19.29               |
|          |       |             |       | 12               | 13           | 2   | 19.21               |
|          |       |             |       | 25               | 0            | 2   | 19.25               |

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## LTE Band 40-Lower Side

| BW (MHz) | Ch    | Freq. (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) |
|----------|-------|-------------|-------|------------------|--------------|-----|---------------------|
| 10MHz    | 38750 | 2310        | QPSK  | 1                | 0            | 0   | 21.71               |
|          |       |             |       | 1                | 24           | 0   | 21.78               |
|          |       |             |       | 1                | 49           | 0   | 21.36               |
|          |       |             |       | 25               | 0            | 1   | 20.65               |
|          |       |             |       | 25               | 12           | 1   | 20.55               |
|          |       |             |       | 25               | 25           | 1   | 20.54               |
|          |       |             |       | 50               | 0            | 1   | 20.55               |
|          |       |             | 16QAM | 1                | 0            | 1   | 20.76               |
|          |       |             |       | 1                | 24           | 1   | 20.79               |
|          |       |             |       | 1                | 49           | 1   | 20.49               |
|          |       |             |       | 25               | 0            | 2   | 19.50               |
|          |       |             |       | 25               | 12           | 2   | 19.50               |
|          |       |             |       | 25               | 25           | 2   | 19.50               |
|          |       |             |       | 50               | 0            | 2   | 19.54               |

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| BW (MHz) | Ch    | Freq. (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) |
|----------|-------|-------------|-------|------------------|--------------|-----|---------------------|
| 5MHz     | 38725 | 2307.5      | QPSK  | 1                | 0            | 0   | 21.52               |
|          |       |             |       | 1                | 12           | 0   | 21.56               |
|          |       |             |       | 1                | 24           | 0   | 21.66               |
|          |       |             |       | 12               | 0            | 1   | 20.53               |
|          |       |             |       | 12               | 6            | 1   | 20.48               |
|          |       |             |       | 12               | 13           | 1   | 20.52               |
|          |       |             |       | 25               | 0            | 1   | 20.45               |
|          |       |             | 16QAM | 1                | 0            | 1   | 20.64               |
|          |       |             |       | 1                | 12           | 1   | 20.47               |
|          |       |             |       | 1                | 24           | 1   | 20.50               |
|          |       |             |       | 12               | 0            | 2   | 19.46               |
|          |       |             |       | 12               | 6            | 2   | 19.48               |
|          |       |             |       | 12               | 13           | 2   | 19.47               |
|          |       |             |       | 25               | 0            | 2   | 19.45               |
| 5MHz     | 38750 | 2310        | QPSK  | 1                | 0            | 0   | 21.46               |
|          |       |             |       | 1                | 12           | 0   | 21.43               |
|          |       |             |       | 1                | 24           | 0   | 21.42               |
|          |       |             |       | 12               | 0            | 1   | 20.53               |
|          |       |             |       | 12               | 6            | 1   | 20.52               |
|          |       |             |       | 12               | 13           | 1   | 20.52               |
|          |       |             |       | 25               | 0            | 1   | 20.49               |
|          |       |             | 16QAM | 1                | 0            | 1   | 20.64               |
|          |       |             |       | 1                | 12           | 1   | 20.52               |
|          |       |             |       | 1                | 24           | 1   | 20.72               |
|          |       |             |       | 12               | 0            | 2   | 19.53               |
|          |       |             |       | 12               | 6            | 2   | 19.54               |
|          |       |             |       | 12               | 13           | 2   | 19.46               |
|          |       |             |       | 25               | 0            | 2   | 19.39               |
| 5MHz     | 38775 | 2312.5      | QPSK  | 1                | 0            | 0   | 21.40               |
|          |       |             |       | 1                | 12           | 0   | 21.63               |
|          |       |             |       | 1                | 24           | 0   | 21.66               |
|          |       |             |       | 12               | 0            | 1   | 20.64               |
|          |       |             |       | 12               | 6            | 1   | 20.58               |
|          |       |             |       | 12               | 13           | 1   | 20.71               |
|          |       |             |       | 25               | 0            | 1   | 20.57               |
|          |       |             | 16QAM | 1                | 0            | 1   | 20.85               |
|          |       |             |       | 1                | 12           | 1   | 20.90               |
|          |       |             |       | 1                | 24           | 1   | 20.43               |
|          |       |             |       | 12               | 0            | 2   | 19.65               |
|          |       |             |       | 12               | 6            | 2   | 19.66               |
|          |       |             |       | 12               | 13           | 2   | 19.67               |
|          |       |             |       | 25               | 0            | 2   | 19.62               |

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## LTE Band 40-Upper Side

| BW (MHz) | Ch    | Freq. (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) |
|----------|-------|-------------|-------|------------------|--------------|-----|---------------------|
| 10MHz    | 39200 | 2355        | QPSK  | 1                | 0            | 0   | 21.41               |
|          |       |             |       | 1                | 24           | 0   | 21.71               |
|          |       |             |       | 1                | 49           | 0   | 21.82               |
|          |       |             |       | 25               | 0            | 1   | 20.60               |
|          |       |             |       | 25               | 12           | 1   | 20.54               |
|          |       |             |       | 25               | 25           | 1   | 20.62               |
|          |       |             |       | 50               | 0            | 1   | 20.54               |
|          |       |             | 16QAM | 1                | 0            | 1   | 20.29               |
|          |       |             |       | 1                | 24           | 1   | 20.74               |
|          |       |             |       | 1                | 49           | 1   | 20.62               |
|          |       |             |       | 25               | 0            | 2   | 19.60               |
|          |       |             |       | 25               | 12           | 2   | 19.61               |
|          |       |             |       | 25               | 25           | 2   | 19.52               |
|          |       |             |       | 50               | 0            | 2   | 19.63               |

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| BW (MHz) | Ch    | Freq. (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) |
|----------|-------|-------------|-------|------------------|--------------|-----|---------------------|
| 5MHz     | 39175 | 2352.5      | QPSK  | 1                | 0            | 0   | 21.59               |
|          |       |             |       | 1                | 12           | 0   | 21.53               |
|          |       |             |       | 1                | 24           | 0   | 21.57               |
|          |       |             |       | 12               | 0            | 1   | 20.53               |
|          |       |             |       | 12               | 6            | 1   | 20.53               |
|          |       |             |       | 12               | 13           | 1   | 20.55               |
|          |       |             |       | 25               | 0            | 1   | 20.57               |
|          |       |             | 16QAM | 1                | 0            | 1   | 20.75               |
|          |       |             |       | 1                | 12           | 1   | 20.83               |
|          |       |             |       | 1                | 24           | 1   | 20.68               |
|          |       |             |       | 12               | 0            | 2   | 19.57               |
|          |       |             |       | 12               | 6            | 2   | 19.56               |
|          |       |             |       | 12               | 13           | 2   | 19.57               |
|          |       |             |       | 25               | 0            | 2   | 19.52               |
| 5MHz     | 39200 | 2355        | QPSK  | 1                | 0            | 0   | 21.81               |
|          |       |             |       | 1                | 12           | 0   | 21.59               |
|          |       |             |       | 1                | 24           | 0   | 21.49               |
|          |       |             |       | 12               | 0            | 1   | 20.51               |
|          |       |             |       | 12               | 6            | 1   | 20.53               |
|          |       |             |       | 12               | 13           | 1   | 20.42               |
|          |       |             |       | 25               | 0            | 1   | 20.55               |
|          |       |             | 16QAM | 1                | 0            | 1   | 20.42               |
|          |       |             |       | 1                | 12           | 1   | 20.50               |
|          |       |             |       | 1                | 24           | 1   | 20.53               |
|          |       |             |       | 12               | 0            | 2   | 19.43               |
|          |       |             |       | 12               | 6            | 2   | 19.52               |
|          |       |             |       | 12               | 13           | 2   | 19.51               |
|          |       |             |       | 25               | 0            | 2   | 19.52               |
| 5MHz     | 39225 | 2357.5      | QPSK  | 1                | 0            | 0   | 21.65               |
|          |       |             |       | 1                | 12           | 0   | 21.52               |
|          |       |             |       | 1                | 24           | 0   | 21.51               |
|          |       |             |       | 12               | 0            | 1   | 20.45               |
|          |       |             |       | 12               | 6            | 1   | 20.47               |
|          |       |             |       | 12               | 13           | 1   | 20.50               |
|          |       |             |       | 25               | 0            | 1   | 20.53               |
|          |       |             | 16QAM | 1                | 0            | 1   | 20.49               |
|          |       |             |       | 1                | 12           | 1   | 20.45               |
|          |       |             |       | 1                | 24           | 1   | 20.31               |
|          |       |             |       | 12               | 0            | 2   | 19.44               |
|          |       |             |       | 12               | 6            | 2   | 19.46               |
|          |       |             |       | 12               | 13           | 2   | 19.44               |
|          |       |             |       | 25               | 0            | 2   | 19.50               |

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## LTE Band 41

| BW (MHz) | Ch     | Freq. (MHz) | Mode | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) |
|----------|--------|-------------|------|------------------|--------------|-----|---------------------|
| 39750    | 2506.0 | QPSK        | 1    | 0                | 0            |     | 23.66               |
|          |        |             | 1    | 49               | 0            |     | 23.45               |
|          |        |             | 1    | 99               | 0            |     | 23.99               |
|          |        |             | 50   | 0                | 1            |     | 22.62               |
|          |        |             | 50   | 25               | 1            |     | 22.63               |
|          |        |             | 50   | 49               | 1            |     | 22.56               |
|          |        |             | 100  | 0                | 1            |     | 22.57               |
|          |        | 16QAM       | 1    | 0                | 1            |     | 22.65               |
|          |        |             | 1    | 49               | 1            |     | 22.97               |
|          |        |             | 1    | 99               | 1            |     | 22.44               |
|          |        |             | 50   | 0                | 2            |     | 21.60               |
|          |        |             | 50   | 25               | 2            |     | 21.66               |
|          |        |             | 50   | 49               | 2            |     | 21.66               |
|          |        |             | 100  | 0                | 2            |     | 21.60               |
| 20MHz    | 40620  | QPSK        | 1    | 0                | 0            |     | 22.51               |
|          |        |             | 1    | 49               | 0            |     | 22.07               |
|          |        |             | 1    | 99               | 0            |     | 22.00               |
|          |        |             | 50   | 0                | 1            |     | 21.04               |
|          |        |             | 50   | 25               | 1            |     | 21.33               |
|          |        |             | 50   | 49               | 1            |     | 21.33               |
|          |        |             | 100  | 0                | 1            |     | 21.18               |
|          |        | 16QAM       | 1    | 0                | 1            |     | 21.02               |
|          |        |             | 1    | 49               | 1            |     | 21.48               |
|          |        |             | 1    | 99               | 1            |     | 20.97               |
|          |        |             | 50   | 0                | 2            |     | 20.05               |
|          |        |             | 50   | 25               | 2            |     | 20.35               |
|          |        |             | 50   | 49               | 2            |     | 20.35               |
|          |        |             | 100  | 0                | 2            |     | 20.19               |
| 41490    | 2680.0 | QPSK        | 1    | 0                | 0            |     | 22.31               |
|          |        |             | 1    | 49               | 0            |     | 21.95               |
|          |        |             | 1    | 99               | 0            |     | 20.88               |
|          |        |             | 50   | 0                | 1            |     | 20.66               |
|          |        |             | 50   | 25               | 1            |     | 20.02               |
|          |        |             | 50   | 49               | 1            |     | 20.67               |
|          |        |             | 100  | 0                | 1            |     | 20.37               |
|          |        | 16QAM       | 1    | 0                | 1            |     | 20.33               |
|          |        |             | 1    | 49               | 1            |     | 20.96               |
|          |        |             | 1    | 99               | 1            |     | 19.90               |
|          |        |             | 50   | 0                | 2            |     | 19.73               |
|          |        |             | 50   | 25               | 2            |     | 19.74               |
|          |        |             | 50   | 49               | 2            |     | 19.09               |
|          |        |             | 100  | 0                | 2            |     | 19.42               |

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| BW (MHz) | Ch    | Freq. (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) |
|----------|-------|-------------|-------|------------------|--------------|-----|---------------------|
| 15MHz    | 39725 | 2503.5      | QPSK  | 1                | 0            | 0   | 23.80               |
|          |       |             |       | 1                | 38           | 0   | 23.33               |
|          |       |             |       | 1                | 74           | 0   | 23.58               |
|          |       |             |       | 38               | 0            | 1   | 22.92               |
|          |       |             |       | 38               | 18           | 1   | 22.48               |
|          |       |             |       | 38               | 37           | 1   | 22.75               |
|          |       |             |       | 75               | 0            | 1   | 22.33               |
|          |       |             | 16QAM | 1                | 0            | 1   | 22.96               |
|          |       |             |       | 1                | 38           | 1   | 22.51               |
|          |       |             |       | 1                | 74           | 1   | 22.76               |
|          |       |             |       | 38               | 0            | 2   | 22.48               |
|          |       |             |       | 38               | 18           | 2   | 22.92               |
|          |       |             |       | 38               | 37           | 2   | 22.74               |
|          |       |             |       | 75               | 0            | 2   | 21.35               |
| 15MHz    | 40620 | 2593.0      | QPSK  | 1                | 0            | 0   | 22.33               |
|          |       |             |       | 1                | 38           | 0   | 21.94               |
|          |       |             |       | 1                | 74           | 0   | 21.83               |
|          |       |             |       | 38               | 0            | 1   | 21.40               |
|          |       |             |       | 38               | 18           | 1   | 20.93               |
|          |       |             |       | 38               | 37           | 1   | 21.05               |
|          |       |             |       | 75               | 0            | 1   | 20.96               |
|          |       |             | 16QAM | 1                | 0            | 1   | 21.44               |
|          |       |             |       | 1                | 38           | 1   | 20.96               |
|          |       |             |       | 1                | 74           | 1   | 21.07               |
|          |       |             |       | 38               | 0            | 2   | 21.05               |
|          |       |             |       | 38               | 18           | 2   | 21.40               |
|          |       |             |       | 38               | 37           | 2   | 20.92               |
|          |       |             |       | 75               | 0            | 2   | 19.95               |
| 15MHz    | 41515 | 2682.5      | QPSK  | 1                | 0            | 0   | 20.71               |
|          |       |             |       | 1                | 38           | 0   | 21.72               |
|          |       |             |       | 1                | 74           | 0   | 21.25               |
|          |       |             |       | 38               | 0            | 1   | 20.82               |
|          |       |             |       | 38               | 18           | 1   | 20.40               |
|          |       |             |       | 38               | 37           | 1   | 19.90               |
|          |       |             |       | 75               | 0            | 1   | 19.97               |
|          |       |             | 16QAM | 1                | 0            | 1   | 20.43               |
|          |       |             |       | 1                | 38           | 1   | 20.88               |
|          |       |             |       | 1                | 74           | 1   | 19.91               |
|          |       |             |       | 38               | 0            | 2   | 20.82               |
|          |       |             |       | 38               | 18           | 2   | 20.40               |
|          |       |             |       | 38               | 37           | 2   | 19.90               |
|          |       |             |       | 75               | 0            | 2   | 19.02               |

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| BW (MHz) | Ch     | Freq. (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) |
|----------|--------|-------------|-------|------------------|--------------|-----|---------------------|
| 39700    | 2501.0 | 2501.0      | QPSK  | 1                | 0            | 0   | 22.70               |
|          |        |             |       | 1                | 24           | 0   | 22.74               |
|          |        |             |       | 1                | 49           | 0   | 22.68               |
|          |        |             |       | 25               | 0            | 1   | 21.88               |
|          |        |             |       | 25               | 12           | 1   | 21.88               |
|          |        |             |       | 25               | 25           | 1   | 21.98               |
|          |        |             |       | 50               | 0            | 1   | 21.97               |
|          |        | 2593.0      | 16QAM | 1                | 0            | 1   | 22.04               |
|          |        |             |       | 1                | 24           | 1   | 21.82               |
|          |        |             |       | 1                | 49           | 1   | 22.00               |
|          |        |             |       | 25               | 0            | 2   | 20.98               |
|          |        |             |       | 25               | 12           | 2   | 20.87               |
|          |        |             |       | 25               | 25           | 2   | 20.86               |
|          |        |             |       | 50               | 0            | 2   | 20.97               |
| 10MHz    | 40620  | 2593.0      | QPSK  | 1                | 0            | 0   | 21.58               |
|          |        |             |       | 1                | 24           | 0   | 21.49               |
|          |        |             |       | 1                | 49           | 0   | 21.48               |
|          |        |             |       | 25               | 0            | 1   | 20.68               |
|          |        |             |       | 25               | 12           | 1   | 20.68               |
|          |        |             |       | 25               | 25           | 1   | 20.68               |
|          |        |             |       | 50               | 0            | 1   | 20.66               |
|          |        | 2685.0      | 16QAM | 1                | 0            | 1   | 20.58               |
|          |        |             |       | 1                | 24           | 1   | 20.73               |
|          |        |             |       | 1                | 49           | 1   | 20.67               |
|          |        |             |       | 25               | 0            | 2   | 19.68               |
|          |        |             |       | 25               | 12           | 2   | 19.66               |
|          |        |             |       | 25               | 25           | 2   | 19.65               |
|          |        |             |       | 50               | 0            | 2   | 19.65               |
| 41540    | 2685.0 | 2685.0      | QPSK  | 1                | 0            | 0   | 20.78               |
|          |        |             |       | 1                | 24           | 0   | 21.14               |
|          |        |             |       | 1                | 49           | 0   | 20.30               |
|          |        |             |       | 25               | 0            | 1   | 20.17               |
|          |        |             |       | 25               | 12           | 1   | 19.74               |
|          |        |             |       | 25               | 25           | 1   | 20.17               |
|          |        |             |       | 50               | 0            | 1   | 20.05               |
|          |        | 2685.0      | 16QAM | 1                | 0            | 1   | 19.97               |
|          |        |             |       | 1                | 24           | 1   | 20.35               |
|          |        |             |       | 1                | 49           | 1   | 19.52               |
|          |        |             |       | 25               | 0            | 2   | 19.06               |
|          |        |             |       | 25               | 12           | 2   | 19.11               |
|          |        |             |       | 25               | 25           | 2   | 18.69               |
|          |        |             |       | 50               | 0            | 2   | 18.97               |

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| BW (MHz) | Ch    | Freq. (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) |
|----------|-------|-------------|-------|------------------|--------------|-----|---------------------|
| 5MHz     | 39675 | 2498.5      | QPSK  | 1                | 0            | 0   | 22.90               |
|          |       |             |       | 1                | 12           | 0   | 22.79               |
|          |       |             |       | 1                | 24           | 0   | 22.82               |
|          |       |             |       | 12               | 0            | 1   | 21.90               |
|          |       |             |       | 12               | 6            | 1   | 21.86               |
|          |       |             |       | 12               | 13           | 1   | 21.84               |
|          |       |             |       | 25               | 0            | 1   | 21.88               |
|          |       |             | 16QAM | 1                | 0            | 1   | 21.94               |
|          |       |             |       | 1                | 12           | 1   | 21.91               |
|          |       |             |       | 1                | 24           | 1   | 21.85               |
|          |       |             |       | 12               | 0            | 2   | 20.94               |
|          |       |             |       | 12               | 6            | 2   | 20.93               |
|          |       |             |       | 12               | 13           | 2   | 20.90               |
|          |       |             |       | 25               | 0            | 2   | 20.92               |
|          | 40620 | 2593.0      | QPSK  | 1                | 0            | 0   | 21.70               |
|          |       |             |       | 1                | 12           | 0   | 21.62               |
|          |       |             |       | 1                | 24           | 0   | 21.64               |
|          |       |             |       | 12               | 0            | 1   | 20.74               |
|          |       |             |       | 12               | 6            | 1   | 20.74               |
|          |       |             |       | 12               | 13           | 1   | 20.63               |
|          |       |             |       | 25               | 0            | 1   | 20.62               |
|          |       |             | 16QAM | 1                | 0            | 1   | 20.89               |
|          |       |             |       | 1                | 12           | 1   | 20.69               |
|          |       |             |       | 1                | 24           | 1   | 20.74               |
|          |       |             |       | 12               | 0            | 2   | 19.69               |
|          |       |             |       | 12               | 6            | 2   | 19.73               |
|          |       |             |       | 12               | 13           | 2   | 19.73               |
|          |       |             |       | 25               | 0            | 2   | 19.70               |
|          | 41565 | 2687.5      | QPSK  | 1                | 0            | 0   | 20.44               |
|          |       |             |       | 1                | 12           | 0   | 20.79               |
|          |       |             |       | 1                | 24           | 0   | 20.86               |
|          |       |             |       | 12               | 0            | 1   | 19.85               |
|          |       |             |       | 12               | 6            | 1   | 19.89               |
|          |       |             |       | 12               | 13           | 1   | 19.65               |
|          |       |             |       | 25               | 0            | 1   | 19.75               |
|          |       |             | 16QAM | 1                | 0            | 1   | 19.88               |
|          |       |             |       | 1                | 12           | 1   | 19.93               |
|          |       |             |       | 1                | 24           | 1   | 19.58               |
|          |       |             |       | 12               | 0            | 2   | 18.97               |
|          |       |             |       | 12               | 6            | 2   | 19.01               |
|          |       |             |       | 12               | 13           | 2   | 18.73               |
|          |       |             |       | 25               | 0            | 2   | 18.81               |

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## LTE Band 66

| BW (MHz) | Ch     | Freq. (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) |
|----------|--------|-------------|-------|------------------|--------------|-----|---------------------|
| 20MHz    | 132072 | 1720.0      | QPSK  | 1                | 0            | 0   | 23.65               |
|          |        |             |       | 1                | 49           | 0   | 22.87               |
|          |        |             |       | 1                | 99           | 0   | 23.28               |
|          |        |             |       | 50               | 0            | 1   | 21.90               |
|          |        |             |       | 50               | 25           | 1   | 21.98               |
|          |        |             |       | 50               | 49           | 1   | 21.87               |
|          |        |             |       | 100              | 0            | 1   | 21.85               |
|          |        |             | 16QAM | 1                | 0            | 1   | 22.07               |
|          |        |             |       | 1                | 49           | 1   | 21.70               |
|          |        |             |       | 1                | 99           | 1   | 22.35               |
|          |        |             |       | 50               | 0            | 2   | 20.96               |
|          |        |             |       | 50               | 25           | 2   | 20.89               |
|          |        |             |       | 50               | 49           | 2   | 20.96               |
|          |        |             |       | 100              | 0            | 2   | 20.91               |
|          |        |             | QPSK  | 1                | 0            | 0   | 22.91               |
|          |        |             |       | 1                | 49           | 0   | 22.43               |
|          |        |             |       | 1                | 99           | 0   | 22.38               |
|          |        |             |       | 50               | 0            | 1   | 21.46               |
|          |        |             |       | 50               | 25           | 1   | 21.41               |
|          |        |             |       | 50               | 49           | 1   | 21.36               |
|          |        |             |       | 100              | 0            | 1   | 21.45               |
|          |        |             | 16QAM | 1                | 0            | 1   | 21.40               |
|          |        |             |       | 1                | 49           | 1   | 21.42               |
|          |        |             |       | 1                | 99           | 1   | 21.99               |
|          |        |             |       | 50               | 0            | 2   | 20.47               |
|          |        |             |       | 50               | 25           | 2   | 20.34               |
|          |        |             |       | 50               | 49           | 2   | 20.45               |
|          |        |             |       | 100              | 0            | 2   | 20.42               |
|          |        |             | QPSK  | 1                | 0            | 0   | 22.60               |
|          |        |             |       | 1                | 49           | 0   | 22.15               |
|          |        |             |       | 1                | 99           | 0   | 22.39               |
|          |        |             |       | 50               | 0            | 1   | 21.33               |
|          |        |             |       | 50               | 25           | 1   | 21.36               |
|          |        |             |       | 50               | 49           | 1   | 21.16               |
|          |        |             |       | 100              | 0            | 1   | 21.16               |
|          |        |             | 16QAM | 1                | 0            | 1   | 22.11               |
|          |        |             |       | 1                | 49           | 1   | 21.63               |
|          |        |             |       | 1                | 99           | 1   | 21.99               |
|          |        |             |       | 50               | 0            | 2   | 20.32               |
|          |        |             |       | 50               | 25           | 2   | 20.32               |
|          |        |             |       | 50               | 49           | 2   | 20.14               |
|          |        |             |       | 100              | 0            | 2   | 20.12               |

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| BW (MHz) | Ch     | Freq. (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) |
|----------|--------|-------------|-------|------------------|--------------|-----|---------------------|
| 15MHz    | 132047 | 1717.5      | QPSK  | 1                | 0            | 0   | 23.07               |
|          |        |             |       | 1                | 37           | 0   | 23.55               |
|          |        |             |       | 1                | 74           | 0   | 22.88               |
|          |        |             |       | 36               | 0            | 1   | 22.02               |
|          |        |             |       | 36               | 16           | 1   | 21.82               |
|          |        |             |       | 36               | 35           | 1   | 22.53               |
|          |        |             |       | 75               | 0            | 1   | 21.92               |
|          |        |             | 16QAM | 1                | 0            | 1   | 22.58               |
|          |        |             |       | 1                | 37           | 1   | 21.95               |
|          |        |             |       | 1                | 74           | 1   | 21.84               |
|          |        |             |       | 36               | 0            | 2   | 22.63               |
|          |        |             |       | 36               | 16           | 2   | 22.01               |
|          |        |             |       | 36               | 35           | 2   | 21.86               |
|          |        |             |       | 75               | 0            | 2   | 20.86               |
|          | 132322 | 1745.0      | QPSK  | 1                | 0            | 0   | 22.68               |
|          |        |             |       | 1                | 37           | 0   | 22.48               |
|          |        |             |       | 1                | 74           | 0   | 22.90               |
|          |        |             |       | 36               | 0            | 1   | 21.77               |
|          |        |             |       | 36               | 16           | 1   | 21.44               |
|          |        |             |       | 36               | 35           | 1   | 21.32               |
|          |        |             |       | 75               | 0            | 1   | 21.34               |
|          |        |             | 16QAM | 1                | 0            | 1   | 21.29               |
|          |        |             |       | 1                | 37           | 1   | 21.47               |
|          |        |             |       | 1                | 74           | 1   | 21.78               |
|          |        |             |       | 36               | 0            | 2   | 21.31               |
|          |        |             |       | 36               | 16           | 2   | 21.78               |
|          |        |             |       | 36               | 35           | 2   | 21.51               |
|          |        |             |       | 75               | 0            | 2   | 20.32               |
|          | 132597 | 1772.5      | QPSK  | 1                | 0            | 0   | 21.96               |
|          |        |             |       | 1                | 37           | 0   | 22.10               |
|          |        |             |       | 1                | 74           | 0   | 22.59               |
|          |        |             |       | 36               | 0            | 1   | 21.43               |
|          |        |             |       | 36               | 16           | 1   | 22.11               |
|          |        |             |       | 36               | 35           | 1   | 21.37               |
|          |        |             |       | 75               | 0            | 1   | 21.30               |
|          |        |             | 16QAM | 1                | 0            | 1   | 21.40               |
|          |        |             |       | 1                | 37           | 1   | 22.14               |
|          |        |             |       | 1                | 74           | 1   | 21.45               |
|          |        |             |       | 36               | 0            | 2   | 22.08               |
|          |        |             |       | 36               | 16           | 2   | 21.36               |
|          |        |             |       | 36               | 35           | 2   | 21.47               |
|          |        |             |       | 75               | 0            | 2   | 20.18               |

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| BW (MHz) | Ch     | Freq. (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) |
|----------|--------|-------------|-------|------------------|--------------|-----|---------------------|
| 10MHz    | 132022 | 1715.0      | QPSK  | 1                | 0            | 0   | 22.85               |
|          |        |             |       | 1                | 24           | 0   | 23.03               |
|          |        |             |       | 1                | 49           | 0   | 23.47               |
|          |        |             |       | 25               | 0            | 1   | 22.16               |
|          |        |             |       | 25               | 12           | 1   | 22.15               |
|          |        |             |       | 25               | 25           | 1   | 22.05               |
|          |        |             |       | 50               | 0            | 1   | 22.11               |
|          |        |             | 16QAM | 1                | 0            | 1   | 22.30               |
|          |        |             |       | 1                | 24           | 1   | 22.62               |
|          |        |             |       | 1                | 49           | 1   | 21.99               |
|          |        |             |       | 25               | 0            | 2   | 21.12               |
|          |        |             |       | 25               | 12           | 2   | 21.13               |
|          |        |             |       | 25               | 25           | 2   | 21.02               |
|          |        |             |       | 50               | 0            | 2   | 21.08               |
|          | 132322 | 1745.0      | QPSK  | 1                | 0            | 0   | 22.91               |
|          |        |             |       | 1                | 24           | 0   | 22.08               |
|          |        |             |       | 1                | 49           | 0   | 22.50               |
|          |        |             |       | 25               | 0            | 1   | 21.57               |
|          |        |             |       | 25               | 12           | 1   | 21.60               |
|          |        |             |       | 25               | 25           | 1   | 21.56               |
|          |        |             |       | 50               | 0            | 1   | 21.48               |
|          |        |             | 16QAM | 1                | 0            | 1   | 22.05               |
|          |        |             |       | 1                | 24           | 1   | 21.33               |
|          |        |             |       | 1                | 49           | 1   | 21.71               |
|          |        |             |       | 25               | 0            | 2   | 20.60               |
|          |        |             |       | 25               | 12           | 2   | 20.54               |
|          |        |             |       | 25               | 25           | 2   | 20.53               |
|          |        |             |       | 50               | 0            | 2   | 20.44               |
|          | 132622 | 1775.0      | QPSK  | 1                | 0            | 0   | 22.01               |
|          |        |             |       | 1                | 24           | 0   | 22.11               |
|          |        |             |       | 1                | 49           | 0   | 21.85               |
|          |        |             |       | 25               | 0            | 1   | 21.21               |
|          |        |             |       | 25               | 12           | 1   | 21.21               |
|          |        |             |       | 25               | 25           | 1   | 21.23               |
|          |        |             |       | 50               | 0            | 1   | 21.15               |
|          |        |             | 16QAM | 1                | 0            | 1   | 20.75               |
|          |        |             |       | 1                | 24           | 1   | 21.12               |
|          |        |             |       | 1                | 49           | 1   | 20.64               |
|          |        |             |       | 25               | 0            | 2   | 20.30               |
|          |        |             |       | 25               | 12           | 2   | 20.23               |
|          |        |             |       | 25               | 25           | 2   | 20.22               |
|          |        |             |       | 50               | 0            | 2   | 20.15               |

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| BW (MHz) | Ch     | Freq. (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) |
|----------|--------|-------------|-------|------------------|--------------|-----|---------------------|
| 5MHz     | 131997 | 1712.5      | QPSK  | 1                | 0            | 0   | 23.39               |
|          |        |             |       | 1                | 12           | 0   | 23.44               |
|          |        |             |       | 1                | 24           | 0   | 23.59               |
|          |        |             |       | 12               | 0            | 1   | 22.44               |
|          |        |             |       | 12               | 6            | 1   | 22.45               |
|          |        |             |       | 12               | 11           | 1   | 22.35               |
|          |        |             |       | 25               | 0            | 1   | 22.40               |
|          |        |             | 16QAM | 1                | 0            | 1   | 22.41               |
|          |        |             |       | 1                | 12           | 1   | 22.41               |
|          |        |             |       | 1                | 24           | 1   | 22.39               |
|          |        |             |       | 12               | 0            | 2   | 21.30               |
|          |        |             |       | 12               | 6            | 2   | 21.39               |
|          |        |             |       | 12               | 11           | 2   | 21.37               |
|          |        |             |       | 25               | 0            | 2   | 21.41               |
| 5MHz     | 132322 | 1745.0      | QPSK  | 1                | 0            | 0   | 22.51               |
|          |        |             |       | 1                | 12           | 0   | 22.60               |
|          |        |             |       | 1                | 24           | 0   | 22.49               |
|          |        |             |       | 12               | 0            | 1   | 21.43               |
|          |        |             |       | 12               | 6            | 1   | 21.43               |
|          |        |             |       | 12               | 11           | 1   | 21.48               |
|          |        |             |       | 25               | 0            | 1   | 21.39               |
|          |        |             | 16QAM | 1                | 0            | 1   | 21.49               |
|          |        |             |       | 1                | 12           | 1   | 21.32               |
|          |        |             |       | 1                | 24           | 1   | 21.55               |
|          |        |             |       | 12               | 0            | 2   | 20.38               |
|          |        |             |       | 12               | 6            | 2   | 20.46               |
|          |        |             |       | 12               | 11           | 2   | 20.39               |
|          |        |             |       | 25               | 0            | 2   | 20.32               |
| 5MHz     | 132647 | 1777.5      | QPSK  | 1                | 0            | 0   | 22.38               |
|          |        |             |       | 1                | 12           | 0   | 22.42               |
|          |        |             |       | 1                | 24           | 0   | 22.10               |
|          |        |             |       | 12               | 0            | 1   | 21.27               |
|          |        |             |       | 12               | 6            | 1   | 21.29               |
|          |        |             |       | 12               | 11           | 1   | 21.14               |
|          |        |             |       | 25               | 0            | 1   | 21.13               |
|          |        |             | 16QAM | 1                | 0            | 1   | 21.68               |
|          |        |             |       | 1                | 12           | 1   | 21.48               |
|          |        |             |       | 1                | 24           | 1   | 21.58               |
|          |        |             |       | 12               | 0            | 2   | 20.34               |
|          |        |             |       | 12               | 6            | 2   | 20.34               |
|          |        |             |       | 12               | 11           | 2   | 20.23               |
|          |        |             |       | 25               | 0            | 2   | 20.18               |

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| BW (MHz) | Ch     | Freq. (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) |
|----------|--------|-------------|-------|------------------|--------------|-----|---------------------|
| 131987   | 1711.5 | 1711.5      | QPSK  | 1                | 0            | 0   | 23.45               |
|          |        |             |       | 1                | 7            | 0   | 23.51               |
|          |        |             |       | 1                | 14           | 0   | 23.43               |
|          |        |             |       | 8                | 0            | 1   | 22.26               |
|          |        |             |       | 8                | 4            | 1   | 22.32               |
|          |        |             |       | 8                | 7            | 1   | 22.23               |
|          |        |             |       | 15               | 0            | 1   | 22.35               |
|          |        | 1745.0      | 16QAM | 1                | 0            | 1   | 22.38               |
|          |        |             |       | 1                | 7            | 1   | 22.11               |
|          |        |             |       | 1                | 14           | 1   | 22.31               |
|          |        |             |       | 8                | 0            | 2   | 21.17               |
|          |        |             |       | 8                | 4            | 2   | 21.24               |
|          |        |             |       | 8                | 7            | 2   | 21.28               |
|          |        |             |       | 15               | 0            | 2   | 21.36               |
| 3MHz     | 132322 | 1745.0      | QPSK  | 1                | 0            | 0   | 22.37               |
|          |        |             |       | 1                | 7            | 0   | 22.46               |
|          |        |             |       | 1                | 14           | 0   | 22.42               |
|          |        |             |       | 8                | 0            | 1   | 21.31               |
|          |        |             |       | 8                | 4            | 1   | 21.31               |
|          |        |             |       | 8                | 7            | 1   | 21.38               |
|          |        |             |       | 15               | 0            | 1   | 21.28               |
|          |        | 1778.5      | 16QAM | 1                | 0            | 1   | 21.54               |
|          |        |             |       | 1                | 7            | 1   | 21.41               |
|          |        |             |       | 1                | 14           | 1   | 21.42               |
|          |        |             |       | 8                | 0            | 2   | 20.35               |
|          |        |             |       | 8                | 4            | 2   | 20.35               |
|          |        |             |       | 8                | 7            | 2   | 20.30               |
|          |        |             |       | 15               | 0            | 2   | 20.26               |
| 132657   | 132657 | 1778.5      | QPSK  | 1                | 0            | 0   | 22.03               |
|          |        |             |       | 1                | 7            | 0   | 22.02               |
|          |        |             |       | 1                | 14           | 0   | 22.13               |
|          |        |             |       | 8                | 0            | 1   | 21.09               |
|          |        |             |       | 8                | 4            | 1   | 21.08               |
|          |        |             |       | 8                | 7            | 1   | 21.09               |
|          |        |             |       | 15               | 0            | 1   | 21.02               |
|          |        | 1778.5      | 16QAM | 1                | 0            | 1   | 20.97               |
|          |        |             |       | 1                | 7            | 1   | 21.12               |
|          |        |             |       | 1                | 14           | 1   | 21.06               |
|          |        |             |       | 8                | 0            | 2   | 20.08               |
|          |        |             |       | 8                | 4            | 2   | 20.01               |
|          |        |             |       | 8                | 7            | 2   | 20.03               |
|          |        |             |       | 15               | 0            | 2   | 20.00               |

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| BW (MHz) | Ch     | Freq. (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) |
|----------|--------|-------------|-------|------------------|--------------|-----|---------------------|
| 1.4MHz   | 131979 | 1710.7      | QPSK  | 1                | 0            | 0   | 23.36               |
|          |        |             |       | 1                | 2            | 0   | 23.37               |
|          |        |             |       | 1                | 5            | 0   | 23.25               |
|          |        |             |       | 3                | 0            | 0   | 23.27               |
|          |        |             |       | 3                | 1            | 0   | 23.29               |
|          |        |             |       | 3                | 2            | 0   | 23.28               |
|          |        |             |       | 6                | 0            | 1   | 22.29               |
|          |        |             | 16QAM | 1                | 0            | 1   | 22.29               |
|          |        |             |       | 1                | 2            | 1   | 22.21               |
|          |        |             |       | 1                | 5            | 1   | 22.22               |
|          |        |             |       | 3                | 0            | 1   | 22.23               |
|          |        |             |       | 3                | 1            | 1   | 22.23               |
|          |        |             |       | 3                | 2            | 1   | 22.23               |
|          |        |             |       | 6                | 0            | 2   | 21.21               |
| 1.4MHz   | 132322 | 1745.0      | QPSK  | 1                | 0            | 0   | 22.23               |
|          |        |             |       | 1                | 2            | 0   | 22.29               |
|          |        |             |       | 1                | 5            | 0   | 22.24               |
|          |        |             |       | 3                | 0            | 0   | 22.25               |
|          |        |             |       | 3                | 1            | 0   | 22.24               |
|          |        |             |       | 3                | 2            | 0   | 22.20               |
|          |        |             |       | 6                | 0            | 1   | 21.30               |
|          |        |             | 16QAM | 1                | 0            | 1   | 21.14               |
|          |        |             |       | 1                | 2            | 1   | 21.26               |
|          |        |             |       | 1                | 5            | 1   | 21.27               |
|          |        |             |       | 3                | 0            | 1   | 21.01               |
|          |        |             |       | 3                | 1            | 1   | 21.05               |
|          |        |             |       | 3                | 2            | 1   | 21.09               |
|          |        |             |       | 6                | 0            | 2   | 20.31               |
| 1.4MHz   | 132665 | 1779.3      | QPSK  | 1                | 0            | 0   | 22.03               |
|          |        |             |       | 1                | 2            | 0   | 21.95               |
|          |        |             |       | 1                | 5            | 0   | 22.09               |
|          |        |             |       | 3                | 0            | 0   | 21.98               |
|          |        |             |       | 3                | 1            | 0   | 21.81               |
|          |        |             |       | 3                | 2            | 0   | 22.00               |
|          |        |             |       | 6                | 0            | 1   | 21.01               |
|          |        |             | 16QAM | 1                | 0            | 1   | 21.11               |
|          |        |             |       | 1                | 2            | 1   | 20.98               |
|          |        |             |       | 1                | 5            | 1   | 21.02               |
|          |        |             |       | 3                | 0            | 1   | 20.92               |
|          |        |             |       | 3                | 1            | 1   | 21.02               |
|          |        |             |       | 3                | 2            | 1   | 20.87               |
|          |        |             |       | 6                | 0            | 2   | 19.91               |

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## LTE Band 71

| BW (MHz) | Ch     | Freq. (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) |
|----------|--------|-------------|-------|------------------|--------------|-----|---------------------|
| 20MHz    | 133222 | 673.0       | QPSK  | 1                | 0            | 0   | 22.74               |
|          |        |             |       | 1                | 49           | 0   | 22.72               |
|          |        |             |       | 1                | 99           | 0   | 23.21               |
|          |        |             |       | 50               | 0            | 1   | 21.68               |
|          |        |             |       | 50               | 25           | 1   | 21.67               |
|          |        |             |       | 50               | 49           | 1   | 21.70               |
|          |        |             |       | 100              | 0            | 1   | 21.77               |
|          |        |             | 16QAM | 1                | 0            | 1   | 21.72               |
|          |        |             |       | 1                | 49           | 1   | 21.67               |
|          |        |             |       | 1                | 99           | 1   | 21.98               |
|          |        |             |       | 50               | 0            | 2   | 20.65               |
|          |        |             |       | 50               | 25           | 2   | 20.64               |
|          |        |             |       | 50               | 49           | 2   | 20.69               |
|          |        |             |       | 100              | 0            | 2   | 20.75               |
|          |        |             | QPSK  | 1                | 0            | 0   | 23.24               |
|          |        |             |       | 1                | 49           | 0   | 23.05               |
|          |        |             |       | 1                | 99           | 0   | 23.65               |
|          |        |             |       | 50               | 0            | 1   | 22.02               |
|          |        |             |       | 50               | 25           | 1   | 22.04               |
|          |        |             |       | 50               | 49           | 1   | 22.23               |
|          |        |             |       | 100              | 0            | 1   | 22.15               |
|          |        |             | 16QAM | 1                | 0            | 1   | 22.02               |
|          |        |             |       | 1                | 49           | 1   | 21.97               |
|          |        |             |       | 1                | 99           | 1   | 22.46               |
|          |        |             |       | 50               | 0            | 2   | 21.00               |
|          |        |             |       | 50               | 25           | 2   | 21.01               |
|          |        |             |       | 50               | 49           | 2   | 21.29               |
|          |        |             |       | 100              | 0            | 2   | 21.09               |
|          |        |             | QPSK  | 1                | 0            | 0   | 23.31               |
|          |        |             |       | 1                | 49           | 0   | 23.07               |
|          |        |             |       | 1                | 99           | 0   | 23.88               |
|          |        |             |       | 50               | 0            | 1   | 22.14               |
|          |        |             |       | 50               | 25           | 1   | 22.13               |
|          |        |             |       | 50               | 49           | 1   | 22.49               |
|          |        |             |       | 100              | 0            | 1   | 22.26               |
|          |        |             | 16QAM | 1                | 0            | 1   | 22.45               |
|          |        |             |       | 1                | 49           | 1   | 22.53               |
|          |        |             |       | 1                | 99           | 1   | 23.03               |
|          |        |             |       | 50               | 0            | 2   | 21.11               |
|          |        |             |       | 50               | 25           | 2   | 21.12               |
|          |        |             |       | 50               | 49           | 2   | 21.50               |
|          |        |             |       | 100              | 0            | 2   | 21.24               |

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| BW (MHz) | Ch     | Freq. (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) |
|----------|--------|-------------|-------|------------------|--------------|-----|---------------------|
| 15MHz    | 133197 | 670.5       | QPSK  | 1                | 0            | 0   | 22.56               |
|          |        |             |       | 1                | 37           | 0   | 22.64               |
|          |        |             |       | 1                | 74           | 0   | 22.92               |
|          |        |             |       | 36               | 0            | 1   | 21.54               |
|          |        |             |       | 36               | 16           | 1   | 21.50               |
|          |        |             |       | 36               | 35           | 1   | 21.79               |
|          |        |             |       | 75               | 0            | 1   | 21.63               |
|          |        |             | 16QAM | 1                | 0            | 1   | 21.64               |
|          |        |             |       | 1                | 37           | 1   | 21.54               |
|          |        |             |       | 1                | 74           | 1   | 21.93               |
|          |        |             |       | 36               | 0            | 2   | 21.53               |
|          |        |             |       | 36               | 16           | 2   | 21.53               |
|          |        |             |       | 36               | 35           | 2   | 21.81               |
|          |        |             |       | 75               | 0            | 2   | 20.66               |
|          | 133297 | 680.5       | QPSK  | 1                | 0            | 0   | 22.70               |
|          |        |             |       | 1                | 37           | 0   | 22.71               |
|          |        |             |       | 1                | 74           | 0   | 23.07               |
|          |        |             |       | 36               | 0            | 1   | 22.16               |
|          |        |             |       | 36               | 16           | 1   | 22.13               |
|          |        |             |       | 36               | 35           | 1   | 22.28               |
|          |        |             |       | 75               | 0            | 1   | 21.83               |
|          |        |             | 16QAM | 1                | 0            | 1   | 21.94               |
|          |        |             |       | 1                | 37           | 1   | 22.06               |
|          |        |             |       | 1                | 74           | 1   | 22.36               |
|          |        |             |       | 36               | 0            | 2   | 22.06               |
|          |        |             |       | 36               | 16           | 2   | 22.09               |
|          |        |             |       | 36               | 35           | 2   | 22.30               |
|          |        |             |       | 75               | 0            | 2   | 20.81               |
|          | 133397 | 690.5       | QPSK  | 1                | 0            | 0   | 23.21               |
|          |        |             |       | 1                | 37           | 0   | 23.34               |
|          |        |             |       | 1                | 74           | 0   | 23.64               |
|          |        |             |       | 36               | 0            | 1   | 22.18               |
|          |        |             |       | 36               | 16           | 1   | 22.36               |
|          |        |             |       | 36               | 35           | 1   | 22.58               |
|          |        |             |       | 75               | 0            | 1   | 22.40               |
|          |        |             | 16QAM | 1                | 0            | 1   | 22.13               |
|          |        |             |       | 1                | 37           | 1   | 22.21               |
|          |        |             |       | 1                | 74           | 1   | 22.64               |
|          |        |             |       | 36               | 0            | 2   | 22.06               |
|          |        |             |       | 36               | 16           | 2   | 22.35               |
|          |        |             |       | 36               | 35           | 2   | 22.56               |
|          |        |             |       | 75               | 0            | 2   | 21.34               |

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| BW (MHz) | Ch     | Freq. (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) |
|----------|--------|-------------|-------|------------------|--------------|-----|---------------------|
| 10MHz    | 133172 | 668.0       | QPSK  | 1                | 0            | 0   | 22.72               |
|          |        |             |       | 1                | 24           | 0   | 22.46               |
|          |        |             |       | 1                | 49           | 0   | 22.80               |
|          |        |             |       | 25               | 0            | 1   | 21.62               |
|          |        |             |       | 25               | 12           | 1   | 21.72               |
|          |        |             |       | 25               | 25           | 1   | 21.60               |
|          |        |             |       | 50               | 0            | 1   | 21.60               |
|          |        |             | 16QAM | 1                | 0            | 1   | 21.66               |
|          |        |             |       | 1                | 24           | 1   | 21.50               |
|          |        |             |       | 1                | 49           | 1   | 21.85               |
|          |        |             |       | 25               | 0            | 2   | 20.63               |
|          |        |             |       | 25               | 12           | 2   | 20.58               |
|          |        |             |       | 25               | 25           | 2   | 20.61               |
|          |        |             |       | 50               | 0            | 2   | 20.65               |
|          | 133297 | 680.5       | QPSK  | 1                | 0            | 0   | 22.88               |
|          |        |             |       | 1                | 24           | 0   | 22.97               |
|          |        |             |       | 1                | 49           | 0   | 23.15               |
|          |        |             |       | 25               | 0            | 1   | 21.97               |
|          |        |             |       | 25               | 12           | 1   | 21.99               |
|          |        |             |       | 25               | 25           | 1   | 22.07               |
|          |        |             |       | 50               | 0            | 1   | 21.96               |
|          |        |             | 16QAM | 1                | 0            | 1   | 22.00               |
|          |        |             |       | 1                | 24           | 1   | 21.87               |
|          |        |             |       | 1                | 49           | 1   | 21.89               |
|          |        |             |       | 25               | 0            | 2   | 20.98               |
|          |        |             |       | 25               | 12           | 2   | 20.98               |
|          |        |             |       | 25               | 25           | 2   | 21.07               |
|          |        |             |       | 50               | 0            | 2   | 20.93               |
|          | 133422 | 693.0       | QPSK  | 1                | 0            | 0   | 23.51               |
|          |        |             |       | 1                | 24           | 0   | 23.46               |
|          |        |             |       | 1                | 49           | 0   | 23.81               |
|          |        |             |       | 25               | 0            | 1   | 22.51               |
|          |        |             |       | 25               | 12           | 1   | 22.43               |
|          |        |             |       | 25               | 25           | 1   | 22.66               |
|          |        |             |       | 50               | 0            | 1   | 22.52               |
|          |        |             | 16QAM | 1                | 0            | 1   | 22.70               |
|          |        |             |       | 1                | 24           | 1   | 22.66               |
|          |        |             |       | 1                | 49           | 1   | 23.00               |
|          |        |             |       | 25               | 0            | 2   | 21.45               |
|          |        |             |       | 25               | 12           | 2   | 21.45               |
|          |        |             |       | 25               | 25           | 2   | 21.61               |
|          |        |             |       | 50               | 0            | 2   | 21.46               |

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| BW (MHz) | Ch     | Freq. (MHz) | Mode  | UL RB Allocation | UL RB Offset | MPR | Average power (dBm) |
|----------|--------|-------------|-------|------------------|--------------|-----|---------------------|
| 5MHz     | 133147 | 665.5       | QPSK  | 1                | 0            | 0   | 22.63               |
|          |        |             |       | 1                | 12           | 0   | 22.51               |
|          |        |             |       | 1                | 24           | 0   | 22.49               |
|          |        |             |       | 12               | 0            | 1   | 21.42               |
|          |        |             |       | 12               | 6            | 1   | 21.43               |
|          |        |             |       | 12               | 11           | 1   | 21.41               |
|          |        |             |       | 25               | 0            | 1   | 21.40               |
|          |        |             | 16QAM | 1                | 0            | 1   | 21.51               |
|          |        |             |       | 1                | 12           | 1   | 21.36               |
|          |        |             |       | 1                | 24           | 1   | 21.47               |
|          |        |             |       | 12               | 0            | 2   | 20.41               |
|          |        |             |       | 12               | 6            | 2   | 20.41               |
|          |        |             |       | 12               | 11           | 2   | 20.39               |
|          |        |             |       | 25               | 0            | 2   | 20.45               |
| 5MHz     | 133297 | 680.5       | QPSK  | 1                | 0            | 0   | 22.93               |
|          |        |             |       | 1                | 12           | 0   | 22.98               |
|          |        |             |       | 1                | 24           | 0   | 23.02               |
|          |        |             |       | 12               | 0            | 1   | 21.92               |
|          |        |             |       | 12               | 6            | 1   | 21.92               |
|          |        |             |       | 12               | 11           | 1   | 22.01               |
|          |        |             |       | 25               | 0            | 1   | 21.89               |
|          |        |             | 16QAM | 1                | 0            | 1   | 22.19               |
|          |        |             |       | 1                | 12           | 1   | 22.16               |
|          |        |             |       | 1                | 24           | 1   | 22.29               |
|          |        |             |       | 12               | 0            | 2   | 20.98               |
|          |        |             |       | 12               | 6            | 2   | 20.98               |
|          |        |             |       | 12               | 11           | 2   | 21.05               |
|          |        |             |       | 25               | 0            | 2   | 20.84               |
| 5MHz     | 133447 | 695.5       | QPSK  | 1                | 0            | 0   | 23.65               |
|          |        |             |       | 1                | 12           | 0   | 23.71               |
|          |        |             |       | 1                | 24           | 0   | 23.71               |
|          |        |             |       | 12               | 0            | 1   | 22.43               |
|          |        |             |       | 12               | 6            | 1   | 22.55               |
|          |        |             |       | 12               | 11           | 1   | 22.64               |
|          |        |             |       | 25               | 0            | 1   | 22.62               |
|          |        |             | 16QAM | 1                | 0            | 1   | 22.63               |
|          |        |             |       | 1                | 12           | 1   | 22.76               |
|          |        |             |       | 1                | 24           | 1   | 22.69               |
|          |        |             |       | 12               | 0            | 2   | 21.51               |
|          |        |             |       | 12               | 6            | 2   | 21.53               |
|          |        |             |       | 12               | 11           | 2   | 21.62               |
|          |        |             |       | 25               | 0            | 2   | 21.58               |

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## 8. RADIATED OUTPUT POWER

### 8.1 PROVISIONS APPLICABLE

The radiation test is carried out in a semi-anechoic chamber.

According to the test, put the device under test on a non-conductive platform 3 meters away from the receiving antenna (ANSI/TIA-603-E-2016 Article 2.2.17).

The following rules are for the maximum radiated power limit requirements of the product:

| Mode         | Nominal Peak Power                |
|--------------|-----------------------------------|
| LTE Band 2   | < 2 Watts max. EIRP (33dBm)       |
| LTE Band 4   | < 1 Watts max. EIRP (30dBm)       |
| LTE Band 5   | < 7 Watts max. ERP (38.45dBm)     |
| LTE Band 7   | < 2 Watts max. EIRP (33dBm)       |
| LTE Band 12  | < 3 Watts max. ERP (34.77dBm)     |
| LTE Band 13  | < 3 Watts max. ERP (34.77dBm)     |
| LTE Band 17  | < 3 Watts max. ERP (34.77dBm)     |
| LTE Band 25  | < 2 Watts max. EIRP (33dBm)       |
| LTE Band 26A | < 7 Watts max. ERP (38.45dBm)     |
| LTE Band 26B | < 100 Watts max. ERP (50dBm)      |
| LTE Band 38  | < 2 Watts max. EIRP (33dBm)       |
| LTE Band 40  | < 0.25 Watts max. EIRP (23.98dBm) |
| LTE Band 41  | < 2 Watts max. EIRP (33dBm)       |
| LTE Band 66  | < 1 Watts max. EIRP (30dBm)       |
| LTE Band 71  | < 3 Watts max. ERP (34.77dBm)     |

### 8.2 MEASUREMENT METHOD

1. Radiated power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation.
2. RBW = 1 – 5% of the expected OBW, not to exceed 1MHz
3. VBW  $\geq$  3 x RBW
4. Span = 1.5 times the OBW
5. No. of sweep points  $>$  2 x span / RBW
6. Detector = RMS
7. Trigger is set to "free run" for signals with continuous operation with the sweep times set to "auto".
8. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation.
9. Trace mode = trace averaging (RMS) over 100 sweeps
10. The trace was allowed to stabilize.

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## RADIATION CONSTRUCTION METHOD:

1. The turntable is rotated through 360 degrees, and the receiving antenna scans in order to determine the level of the maximized emission.
2. A half wave dipole is then substituted in place of the EUT. For emissions above 1GHz, a horn antenna is substituted in place of the EUT. The substitute antenna is driven by a signal generator and the previously recorded signal was duplicated.

The power is calculated by the following formula:

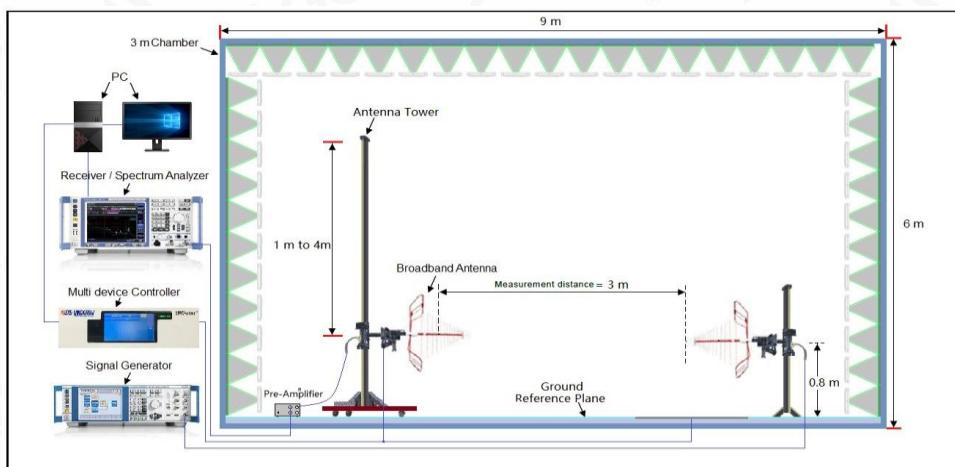
$$P_d(\text{dBm}) = P_g(\text{dBm}) - \text{cable loss (dB)} + \text{antenna gain (dB)}$$

Where:  $P_d$  is the dipole equivalent power and  $P_g$  is the generator output power into the substitution antenna.

3. The maximum value is calculated by adding the forward power to the calibrated source plus its appropriate gain value. These steps are repeated with the receiving antenna in both vertical and horizontal polarization. the difference between the gain of the horn and an isotropic antenna are taken into consideration
4. The EUT was tested in three orthogonal planes (X, Y, Z) and in all possible test configurations and positioning.
5. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

## 8.3 MEASUREMENT SETUP

**Radiated Power 30MHz to 1GHz Test setup**



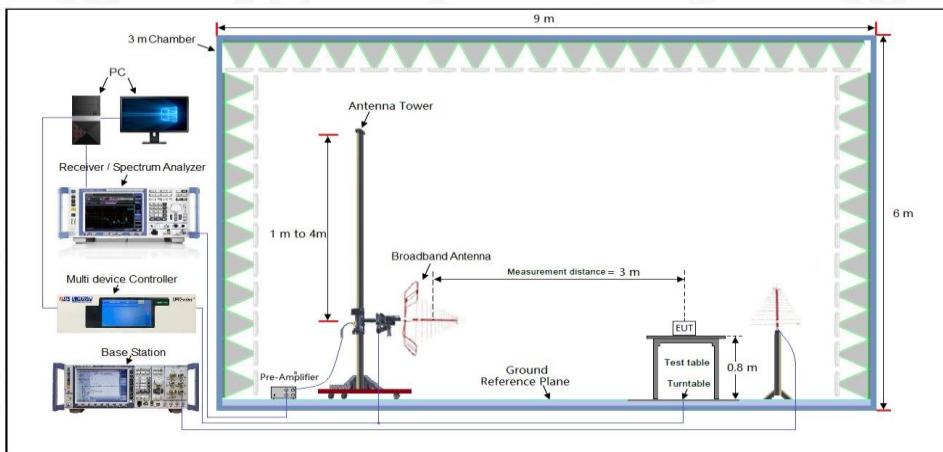
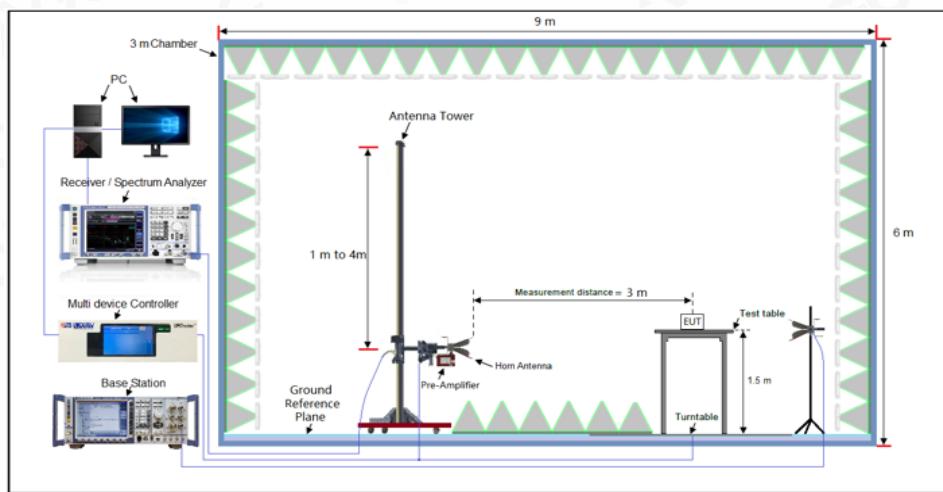
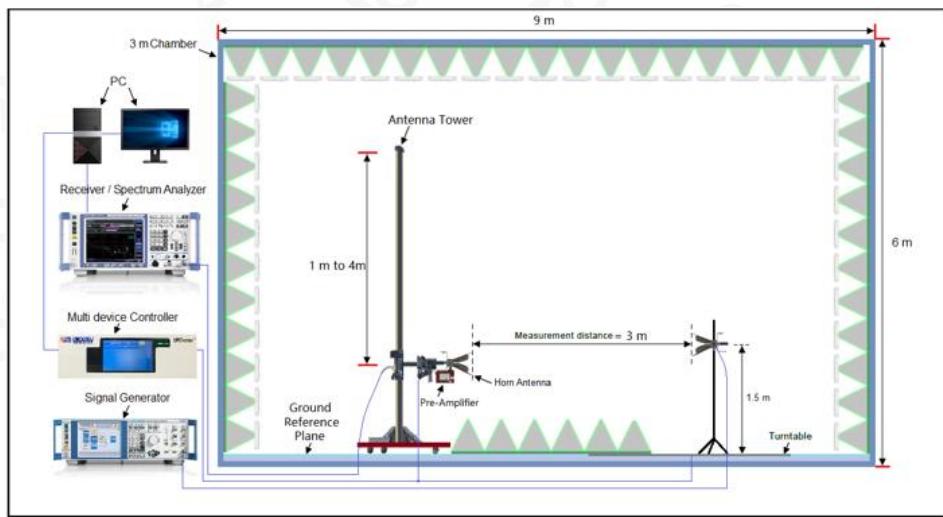
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**Radiated Power Above 1GHz Test setup**


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