

<Full Power>- PC2

| LTE-FDD Band 41 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|--------|-----------|-------------|
| Band-width | | | | High | Middle | Low | |
| 20 MHz | RB allocation | RB offset | Modulation | 2636.5MHz | / | 2549.5MHz | |
| | 1RB | High | QPSK | 25.52 | / | 25.62 | 26.5 |
| | | | 16QAM | 24.60 | / | 24.75 | 25.5 |
| | | | 64QAM | 23.77 | / | 23.94 | 24.5 |
| | | Middle | QPSK | 25.69 | / | 25.87 | 26.5 |
| | | | 16QAM | 24.87 | / | 25.02 | 25.5 |
| | | | 64QAM | 24.00 | / | 24.16 | 24.5 |
| | | Low | QPSK | 25.58 | / | 25.71 | 26.5 |
| | | | 16QAM | 24.72 | / | 24.84 | 25.5 |
| | | | 64QAM | 23.92 | / | 23.98 | 24.5 |
| | 36RB | High | QPSK | 24.74 | / | 24.85 | 25.5 |
| | | | 16QAM | 23.73 | / | 23.87 | 24.5 |
| | | | 64QAM | 22.77 | / | 22.85 | 23.5 |
| | | Middle | QPSK | 24.82 | / | 24.89 | 25.5 |
| | | | 16QAM | 23.80 | / | 23.90 | 24.5 |
| | | | 64QAM | 22.77 | / | 22.85 | 23.5 |
| | | Low | QPSK | 24.80 | / | 24.87 | 25.5 |
| | | | 16QAM | 23.80 | / | 23.83 | 24.5 |
| | | | 64QAM | 22.77 | / | 22.79 | 23.5 |
| | 75RB | / | QPSK | 24.83 | / | 24.93 | 25.5 |
| | | | 16QAM | 23.83 | / | 23.90 | 24.5 |
| | | | 64QAM | 22.88 | / | 22.94 | 23.5 |

<Full Power>

| LTE-FDD Band 66 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|---------|-----------|-------------|
| Band-width | | | | High | Middle | Low | |
| 1.4 MHz | RB allocation | RB offset | Modulation | 1779.3MHz | 1745MHz | 1710.7MHz | |
| | 1RB | High | QPSK | 23.37 | 23.39 | 23.22 | 24.5 |
| | | | 16QAM | 22.67 | 22.65 | 22.46 | 23.5 |
| | | | 64QAM | 21.46 | 21.51 | 21.43 | 22.5 |
| | | Middle | QPSK | 23.71 | 23.60 | 23.37 | 24.5 |
| | | | 16QAM | 22.79 | 22.67 | 22.66 | 23.5 |
| | | | 64QAM | 21.70 | 21.63 | 21.62 | 22.5 |
| | | Low | QPSK | 23.57 | 23.33 | 23.11 | 24.5 |
| | | | 16QAM | 22.86 | 22.55 | 22.35 | 23.5 |
| | | | 64QAM | 21.83 | 21.56 | 21.33 | 22.5 |
| | 3RB | High | QPSK | 23.58 | 23.65 | 23.40 | 24.5 |
| | | | 16QAM | 22.56 | 22.56 | 22.42 | 23.5 |
| | | | 64QAM | 21.53 | 21.51 | 21.40 | 22.5 |
| | | Middle | QPSK | 23.72 | 23.67 | 23.44 | 24.5 |
| | | | 16QAM | 22.67 | 22.63 | 22.40 | 23.5 |
| | | | 64QAM | 21.62 | 21.60 | 21.38 | 22.5 |
| | | Low | QPSK | 23.70 | 23.61 | 23.43 | 24.5 |
| | | | 16QAM | 22.69 | 22.63 | 22.41 | 23.5 |
| | | | 64QAM | 21.65 | 21.53 | 21.38 | 22.5 |
| | 6RB | / | QPSK | 22.67 | 22.58 | 22.38 | 23.5 |
| | | | 16QAM | 21.60 | 21.55 | 21.38 | 22.5 |
| | | | 64QAM | 20.53 | 20.50 | 20.35 | 21.5 |

<Full Power>

| LTE-FDD Band 66 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|---------|-----------|-------------|
| Band-width | | | | High | Middle | Low | |
| 3 MHz | RB allocation | RB offset | Modulation | 1778.5MHz | 1745MHz | 1711.5MHz | |
| | 1RB | High | QPSK | 23.54 | 23.32 | 23.12 | 24.5 |
| | | | 16QAM | 22.84 | 22.58 | 22.36 | 23.5 |
| | | | 64QAM | 21.63 | 21.44 | 21.33 | 22.5 |
| | | Middle | QPSK | 23.88 | 23.53 | 23.27 | 24.5 |
| | | | 16QAM | 22.96 | 22.60 | 22.56 | 23.5 |
| | | | 64QAM | 21.87 | 21.56 | 21.52 | 22.5 |
| | | Low | QPSK | 23.74 | 23.26 | 23.01 | 24.5 |
| | | | 16QAM | 23.03 | 22.48 | 22.25 | 23.5 |
| | | | 64QAM | 22.00 | 21.49 | 21.23 | 22.5 |
| | 8RB | High | QPSK | 22.75 | 22.58 | 22.30 | 24.5 |
| | | | 16QAM | 21.73 | 21.49 | 21.32 | 23.5 |
| | | | 64QAM | 20.70 | 20.44 | 20.30 | 22.5 |
| | | Middle | QPSK | 22.89 | 22.60 | 22.34 | 24.5 |
| | | | 16QAM | 21.84 | 21.56 | 21.30 | 23.5 |
| | | | 64QAM | 20.79 | 20.53 | 20.28 | 22.5 |
| | | Low | QPSK | 22.87 | 22.54 | 22.33 | 24.5 |
| | | | 16QAM | 21.86 | 21.56 | 21.31 | 23.5 |
| | | | 64QAM | 20.82 | 20.46 | 20.28 | 22.5 |
| | 15RB | / | QPSK | 22.84 | 22.51 | 22.28 | 23.5 |
| | | | 16QAM | 21.77 | 21.48 | 21.28 | 22.5 |
| | | | 64QAM | 20.70 | 20.43 | 20.25 | 21.5 |

<Full Power>

| LTE-FDD Band 66 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|---------|-----------|-------------|
| Band-width | | | | High | Middle | Low | |
| 5 MHz | RB allocation | RB offset | Modulation | 1777.5MHz | 1745MHz | 1712.5MHz | |
| | 1RB | High | QPSK | 23.46 | 23.34 | 23.27 | 24.5 |
| | | | 16QAM | 22.76 | 22.60 | 22.51 | 23.5 |
| | | | 64QAM | 21.55 | 21.46 | 21.48 | 22.5 |
| | | Middle | QPSK | 23.80 | 23.55 | 23.42 | 24.5 |
| | | | 16QAM | 22.88 | 22.62 | 22.71 | 23.5 |
| | | | 64QAM | 21.79 | 21.58 | 21.67 | 22.5 |
| | | Low | QPSK | 23.66 | 23.28 | 23.16 | 24.5 |
| | | | 16QAM | 22.95 | 22.50 | 22.40 | 23.5 |
| | | | 64QAM | 21.92 | 21.51 | 21.38 | 22.5 |
| | 12RB | High | QPSK | 22.67 | 22.60 | 22.45 | 24.5 |
| | | | 16QAM | 21.65 | 21.51 | 21.47 | 23.5 |
| | | | 64QAM | 20.62 | 20.46 | 20.45 | 22.5 |
| | | Middle | QPSK | 22.81 | 22.62 | 22.49 | 24.5 |
| | | | 16QAM | 21.76 | 21.58 | 21.45 | 23.5 |
| | | | 64QAM | 20.71 | 20.55 | 20.43 | 22.5 |
| | | Low | QPSK | 22.79 | 22.56 | 22.48 | 24.5 |
| | | | 16QAM | 21.78 | 21.58 | 21.46 | 23.5 |
| | | | 64QAM | 20.74 | 20.48 | 20.43 | 22.5 |
| | 25RB | / | QPSK | 22.76 | 22.53 | 22.43 | 23.5 |
| | | | 16QAM | 21.69 | 21.50 | 21.43 | 22.5 |
| | | | 64QAM | 20.62 | 20.45 | 20.40 | 21.5 |

<Full Power>

| LTE-FDD Band 66 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|---------|---------|-------------|
| Band-width | | | | High | Middle | Low | |
| 10 MHz | RB allocation | RB offset | Modulation | 1775MHz | 1745MHz | 1715MHz | |
| | 1RB | High | QPSK | 23.40 | 23.36 | 23.22 | 24.5 |
| | | | 16QAM | 22.70 | 22.62 | 22.46 | 23.5 |
| | | | 64QAM | 21.49 | 21.48 | 21.43 | 22.5 |
| | | Middle | QPSK | 23.74 | 23.57 | 23.37 | 24.5 |
| | | | 16QAM | 22.82 | 22.64 | 22.66 | 23.5 |
| | | | 64QAM | 21.73 | 21.60 | 21.62 | 22.5 |
| | | Low | QPSK | 23.60 | 23.30 | 23.11 | 24.5 |
| | | | 16QAM | 22.89 | 22.52 | 22.35 | 23.5 |
| | | | 64QAM | 21.86 | 21.53 | 21.33 | 22.5 |
| | 25RB | High | QPSK | 22.61 | 22.62 | 22.40 | 24.5 |
| | | | 16QAM | 21.59 | 21.53 | 21.42 | 23.5 |
| | | | 64QAM | 20.56 | 20.48 | 20.40 | 22.5 |
| | | Middle | QPSK | 22.75 | 22.64 | 22.44 | 24.5 |
| | | | 16QAM | 21.70 | 21.60 | 21.40 | 23.5 |
| | | | 64QAM | 20.65 | 20.57 | 20.38 | 22.5 |
| | | Low | QPSK | 22.73 | 22.58 | 22.43 | 24.5 |
| | | | 16QAM | 21.72 | 21.60 | 21.41 | 23.5 |
| | | | 64QAM | 20.68 | 20.50 | 20.38 | 22.5 |
| | 50RB | / | QPSK | 22.70 | 22.55 | 22.38 | 23.5 |
| | | | 16QAM | 21.63 | 21.52 | 21.38 | 22.5 |
| | | | 64QAM | 20.56 | 20.47 | 20.35 | 21.5 |

<Full Power>

| LTE-FDD Band 66 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|---------|-----------|-------------|
| Band-width | | | | High | Middle | Low | |
| 15 MHz | RB allocation | RB offset | Modulation | 1772.5MHz | 1745MHz | 1717.5MHz | |
| | 1RB | High | QPSK | 23.38 | 23.32 | 23.24 | 24.5 |
| | | | 16QAM | 22.64 | 22.62 | 22.48 | 23.5 |
| | | | 64QAM | 21.50 | 21.41 | 21.45 | 22.5 |
| | | Middle | QPSK | 23.59 | 23.66 | 23.39 | 24.5 |
| | | | 16QAM | 22.66 | 22.74 | 22.68 | 23.5 |
| | | | 64QAM | 21.62 | 21.65 | 21.64 | 22.5 |
| | | Low | QPSK | 23.32 | 23.52 | 23.13 | 24.5 |
| | | | 16QAM | 22.54 | 22.81 | 22.37 | 23.5 |
| | | | 64QAM | 21.55 | 21.78 | 21.35 | 22.5 |
| | 36RB | High | QPSK | 22.64 | 22.53 | 22.42 | 24.5 |
| | | | 16QAM | 21.55 | 21.51 | 21.44 | 23.5 |
| | | | 64QAM | 20.50 | 20.48 | 20.42 | 22.5 |
| | | Middle | QPSK | 22.66 | 22.67 | 22.46 | 24.5 |
| | | | 16QAM | 21.62 | 21.62 | 21.42 | 23.5 |
| | | | 64QAM | 20.59 | 20.57 | 20.40 | 22.5 |
| | | Low | QPSK | 22.60 | 22.65 | 22.45 | 24.5 |
| | | | 16QAM | 21.62 | 21.64 | 21.43 | 23.5 |
| | | | 64QAM | 20.52 | 20.60 | 20.40 | 22.5 |
| | 75RB | / | QPSK | 22.57 | 22.62 | 22.40 | 23.5 |
| | | | 16QAM | 21.54 | 21.55 | 21.40 | 22.5 |
| | | | 64QAM | 20.49 | 20.48 | 20.37 | 21.5 |

<Full Power>

| LTE-FDD Band 66 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|---------|---------|-------------|
| Band-width | | | | High | Middle | Low | |
| 20 MHz | RB allocation | RB offset | Modulation | 1770MHz | 1745MHz | 1720MHz | |
| | 1RB | High | QPSK | 23.43 | 23.35 | 23.18 | 24.5 |
| | | | 16QAM | 22.73 | 22.61 | 22.42 | 23.5 |
| | | | 64QAM | 21.52 | 21.47 | 21.39 | 22.5 |
| | | Middle | QPSK | 23.77 | 23.56 | 23.33 | 24.5 |
| | | | 16QAM | 22.85 | 22.63 | 22.62 | 23.5 |
| | | | 64QAM | 21.76 | 21.59 | 21.58 | 22.5 |
| | | Low | QPSK | 23.63 | 23.29 | 23.07 | 24.5 |
| | | | 16QAM | 22.92 | 22.51 | 22.31 | 23.5 |
| | | | 64QAM | 21.89 | 21.52 | 21.29 | 22.5 |
| | 36RB | High | QPSK | 22.64 | 22.61 | 22.36 | 24.5 |
| | | | 16QAM | 21.62 | 21.52 | 21.38 | 23.5 |
| | | | 64QAM | 20.59 | 20.47 | 20.36 | 22.5 |
| | | Middle | QPSK | 22.78 | 22.63 | 22.40 | 24.5 |
| | | | 16QAM | 21.73 | 21.59 | 21.36 | 23.5 |
| | | | 64QAM | 20.68 | 20.56 | 20.34 | 22.5 |
| | | Low | QPSK | 22.76 | 22.57 | 22.39 | 24.5 |
| | | | 16QAM | 21.75 | 21.59 | 21.37 | 23.5 |
| | | | 64QAM | 20.71 | 20.49 | 20.34 | 22.5 |
| | 75RB | / | QPSK | 22.73 | 22.54 | 22.34 | 23.5 |
| | | | 16QAM | 21.66 | 21.51 | 21.34 | 22.5 |
| | | | 64QAM | 20.59 | 20.46 | 20.31 | 21.5 |

<Full Power> / < Hotspot on >

| LTE-FDD Band 71 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|----------|----------|-----------|
| Band-width | | | | High | Middle | Low | |
| 5 MHz | RB allocation | RB offset | Modulation | 695.5MHz | 680.5MHz | 665.5MHz | |
| | 1RB | High | QPSK | 22.93 | 22.84 | 23.01 | 24 |
| | | | 16QAM | 22.45 | 22.24 | 22.33 | 23 |
| | | | 64QAM | 21.71 | 21.45 | 21.61 | 22 |
| | | Middle | QPSK | 23.19 | 23.09 | 23.27 | 24 |
| | | | 16QAM | 22.55 | 22.39 | 22.61 | 23 |
| | | | 64QAM | 22.79 | 22.60 | 21.73 | 22 |
| | | Low | QPSK | 22.99 | 22.88 | 23.10 | 24 |
| | | | 16QAM | 22.45 | 22.27 | 22.34 | 23 |
| | | | 64QAM | 21.79 | 22.55 | 21.56 | 22 |
| | 12RB | High | QPSK | 22.01 | 21.94 | 22.14 | 23 |
| | | | 16QAM | 21.02 | 20.98 | 21.17 | 22 |
| | | | 64QAM | 20.04 | 20.03 | 20.14 | 21 |
| | | Middle | QPSK | 22.05 | 22.06 | 22.18 | 23 |
| | | | 16QAM | 21.14 | 21.09 | 21.15 | 22 |
| | | | 64QAM | 20.13 | 20.07 | 20.16 | 21 |
| | | Low | QPSK | 22.04 | 21.96 | 22.01 | 23 |
| | | | 16QAM | 21.09 | 21.00 | 20.96 | 22 |
| | | | 64QAM | 20.06 | 20.02 | 20.01 | 21 |
| | 25RB | / | QPSK | 22.00 | 21.97 | 22.10 | 23 |
| | | | 16QAM | 21.02 | 20.99 | 21.13 | 22 |
| | | | 64QAM | 20.04 | 20.02 | 20.09 | 21 |

<Full Power> / < Hotspot on >

| LTE-FDD Band 71 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|----------|--------|-----------|
| Band-width | | | | High | Middle | Low | |
| 10 MHz | RB allocation | RB offset | Modulation | 693MHz | 680.5MHz | 668MHz | |
| | 1RB | High | QPSK | 22.86 | 22.90 | 22.93 | 24 |
| | | | 16QAM | 22.38 | 22.30 | 22.25 | 23 |
| | | | 64QAM | 21.64 | 21.51 | 21.53 | 22 |
| | | Middle | QPSK | 23.12 | 23.15 | 23.19 | 24 |
| | | | 16QAM | 22.48 | 22.45 | 22.53 | 23 |
| | | | 64QAM | 22.72 | 22.66 | 21.65 | 22 |
| | | Low | QPSK | 22.92 | 22.94 | 23.02 | 24 |
| | | | 16QAM | 22.38 | 22.33 | 22.26 | 23 |
| | | | 64QAM | 21.72 | 22.61 | 21.48 | 22 |
| | 25RB | High | QPSK | 21.94 | 22.00 | 22.06 | 23 |
| | | | 16QAM | 20.95 | 21.04 | 21.09 | 22 |
| | | | 64QAM | 19.97 | 20.09 | 20.06 | 21 |
| | | Middle | QPSK | 21.98 | 22.12 | 22.10 | 23 |
| | | | 16QAM | 21.07 | 21.15 | 21.07 | 22 |
| | | | 64QAM | 20.06 | 20.13 | 20.08 | 21 |
| | | Low | QPSK | 21.97 | 22.02 | 21.93 | 23 |
| | | | 16QAM | 21.02 | 21.06 | 20.88 | 22 |
| | | | 64QAM | 19.99 | 20.08 | 19.93 | 21 |
| | 50RB | / | QPSK | 21.93 | 22.03 | 22.02 | 23 |
| | | | 16QAM | 20.95 | 21.05 | 21.05 | 22 |
| | | | 64QAM | 19.97 | 20.08 | 20.01 | 21 |

<Full Power> / < Hotspot on >

| LTE-FDD Band 71 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|----------|----------|-----------|
| Band-width | | | | High | Middle | Low | |
| 15 MHz | RB allocation | RB offset | Modulation | 690.5MHz | 680.5MHz | 670.5MHz | |
| | 1RB | High | QPSK | 22.87 | 22.88 | 22.95 | 24 |
| | | | 16QAM | 22.39 | 22.28 | 22.27 | 23 |
| | | | 64QAM | 21.65 | 21.49 | 21.55 | 22 |
| | | Middle | QPSK | 23.13 | 23.13 | 23.21 | 24 |
| | | | 16QAM | 22.49 | 22.43 | 22.55 | 23 |
| | | | 64QAM | 22.73 | 22.64 | 21.67 | 22 |
| | | Low | QPSK | 22.93 | 22.92 | 23.04 | 24 |
| | | | 16QAM | 22.39 | 22.31 | 22.28 | 23 |
| | | | 64QAM | 21.73 | 22.59 | 21.50 | 22 |
| | 36RB | High | QPSK | 21.95 | 21.98 | 22.08 | 23 |
| | | | 16QAM | 20.96 | 21.02 | 21.11 | 22 |
| | | | 64QAM | 19.98 | 20.07 | 20.08 | 21 |
| | | Middle | QPSK | 21.99 | 22.10 | 22.12 | 23 |
| | | | 16QAM | 21.08 | 21.13 | 21.09 | 22 |
| | | | 64QAM | 20.07 | 20.11 | 20.10 | 21 |
| | | Low | QPSK | 21.98 | 22.00 | 21.95 | 23 |
| | | | 16QAM | 21.03 | 21.04 | 20.90 | 22 |
| | | | 64QAM | 20.00 | 20.06 | 19.95 | 21 |
| | 75RB | / | QPSK | 21.94 | 22.01 | 22.04 | 23 |
| | | | 16QAM | 20.96 | 21.03 | 21.07 | 22 |
| | | | 64QAM | 19.98 | 20.06 | 20.03 | 21 |

<Full Power> / < Hotspot on >

| LTE-FDD Band 71 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|--------|--------------|-----------|
| Band-width | | | | High | Middle | Low | |
| 20 MHz | RB allocation | RB offset | Modulation | 688MHz | 683MHz | 673MHz | |
| | 1RB | High | QPSK | 22.90 | 22.86 | 22.99 | 24 |
| | | | 16QAM | 22.42 | 22.26 | 22.31 | 23 |
| | | | 64QAM | 21.68 | 21.47 | 21.59 | 22 |
| | | Middle | QPSK | 23.16 | 23.11 | 23.25 | 24 |
| | | | 16QAM | 22.52 | 22.41 | 22.59 | 23 |
| | | | 64QAM | 22.76 | 22.62 | 21.71 | 22 |
| | | Low | QPSK | 22.96 | 22.90 | 23.08 | 24 |
| | | | 16QAM | 22.42 | 22.29 | 22.32 | 23 |
| | | | 64QAM | 21.76 | 22.57 | 21.54 | 22 |
| | 36RB | High | QPSK | 21.98 | 21.96 | 22.12 | 23 |
| | | | 16QAM | 20.99 | 21.00 | 21.15 | 22 |
| | | | 64QAM | 20.01 | 20.05 | 20.12 | 21 |
| | | Middle | QPSK | 22.02 | 22.08 | 22.16 | 23 |
| | | | 16QAM | 21.11 | 21.11 | 21.13 | 22 |
| | | | 64QAM | 20.10 | 20.09 | 20.14 | 21 |
| | | Low | QPSK | 22.01 | 21.98 | 21.99 | 23 |
| | | | 16QAM | 21.06 | 21.02 | 20.94 | 22 |
| | | | 64QAM | 20.03 | 20.04 | 19.99 | 21 |
| | 75RB | / | QPSK | 21.97 | 21.99 | 22.08 | 23 |
| | | | 16QAM | 20.99 | 21.01 | 21.11 | 22 |
| | | | 64QAM | 20.01 | 20.04 | 20.07 | 21 |

< Hotspot on >

| LTE-FDD Band 2 | | | | Actual output Power (dBm) | | | Tune up |
|----------------|---------------|-----------|------------|---------------------------|---------|-----------|---------|
| Band-width | | | | High | Middle | Low | |
| 1.4 MHz | RB allocation | RB offset | Modulation | 1909.3MHz | 1880MHz | 1850.7MHz | |
| | 1RB | High | QPSK | 18.24 | 18.31 | 18.36 | 19 |
| | | | 16QAM | 18.52 | 18.69 | 18.68 | 19 |
| | | | 64QAM | 18.52 | 18.69 | 18.68 | 19 |
| | | Middle | QPSK | 18.37 | 18.42 | 18.48 | 19 |
| | | | 16QAM | 18.72 | 18.76 | 18.78 | 19 |
| | | | 64QAM | 18.71 | 18.76 | 18.77 | 19 |
| | | Low | QPSK | 18.25 | 18.31 | 18.36 | 19 |
| | | | 16QAM | 18.57 | 18.66 | 18.69 | 19 |
| | | | 64QAM | 18.57 | 18.66 | 18.69 | 19 |
| | 3RB | High | QPSK | 18.35 | 18.42 | 18.45 | 19 |
| | | | 16QAM | 18.37 | 18.48 | 18.51 | 19 |
| | | | 64QAM | 18.37 | 18.47 | 18.50 | 19 |
| | | Middle | QPSK | 18.39 | 18.45 | 18.50 | 19 |
| | | | 16QAM | 18.43 | 18.51 | 18.56 | 19 |
| | | | 64QAM | 18.43 | 18.50 | 18.57 | 19 |
| | | Low | QPSK | 18.33 | 18.41 | 18.44 | 19 |
| | | | 16QAM | 18.39 | 18.44 | 18.52 | 19 |
| | | | 64QAM | 18.39 | 18.43 | 18.51 | 19 |
| | 6RB | / | QPSK | 18.35 | 18.41 | 18.47 | 19 |
| | | | 16QAM | 18.47 | 18.52 | 18.58 | 19 |
| | | | 64QAM | 18.47 | 18.53 | 18.57 | 19 |

< Hotspot on >

| Band-width | LTE-FDD Band 2 | | | Actual output Power (dBm) | | | Tune up | |
|------------|----------------|-----------|------------|---------------------------|---------|-----------|---------|----|
| | RB allocation | RB offset | Modulation | High | Middle | Low | | |
| 3 MHz | 1RB | High | QPSK | 1908.5MHz | 1880MHz | 1851.5MHz | 19 | |
| | | | 16QAM | 18.32 | 18.41 | 18.39 | 19 | |
| | | | 64QAM | 18.66 | 18.70 | 18.75 | 19 | |
| | | Middle | QPSK | 18.66 | 18.70 | 18.74 | 19 | |
| | | | 16QAM | 18.51 | 18.54 | 18.54 | 19 | |
| | | | 64QAM | 18.82 | 18.88 | 18.86 | 19 | |
| | | Low | QPSK | 18.82 | 18.87 | 18.87 | 19 | |
| | | | 16QAM | 18.36 | 18.43 | 18.46 | 19 | |
| | | | 64QAM | 18.73 | 18.74 | 18.82 | 19 | |
| | 8RB | High | QPSK | 18.74 | 18.73 | 18.82 | 19 | |
| | | | 16QAM | 18.35 | 18.41 | 18.42 | 19 | |
| | | | 64QAM | 18.43 | 18.49 | 18.53 | 19 | |
| | | Middle | QPSK | 18.44 | 18.50 | 18.54 | 19 | |
| | | | 16QAM | 18.40 | 18.45 | 18.49 | 19 | |
| | | | 64QAM | 18.50 | 18.55 | 18.61 | 19 | |
| | | Low | QPSK | 18.49 | 18.56 | 18.61 | 19 | |
| | | | 16QAM | 18.36 | 18.42 | 18.46 | 19 | |
| | | | 64QAM | 18.46 | 18.48 | 18.58 | 19 | |
| | 15RB | / | QPSK | 18.46 | 18.48 | 18.58 | 19 | |
| | | | 16QAM | 18.37 | 18.43 | 18.46 | 19 | |
| | | | 64QAM | 18.40 | 18.45 | 18.54 | 19 | |
| | | | | 64QAM | 18.39 | 18.45 | 18.54 | 19 |

< Hotspot on >

| LTE-FDD Band 2 | | | | Actual output Power (dBm) | | | Tune up |
|----------------|---------------|-----------|------------|---------------------------|---------|-----------|---------|
| Band-width | | | | High | Middle | Low | |
| 5 MHz | RB allocation | RB offset | Modulation | 1907.5MHz | 1880MHz | 1852.5MHz | |
| | 1RB | High | QPSK | 18.21 | 18.30 | 18.27 | 19 |
| | | | 16QAM | 18.55 | 18.60 | 18.64 | 19 |
| | | | 64QAM | 18.56 | 18.60 | 18.64 | 19 |
| | | Middle | QPSK | 18.47 | 18.57 | 18.55 | 19 |
| | | | 16QAM | 18.83 | 18.89 | 19.01 | 19 |
| | | | 64QAM | 18.83 | 18.89 | 19.02 | 19 |
| | | Low | QPSK | 18.29 | 18.28 | 18.35 | 19 |
| | | | 16QAM | 18.66 | 18.67 | 18.71 | 19 |
| | | | 64QAM | 18.67 | 18.67 | 18.72 | 19 |
| | 12RB | High | QPSK | 18.34 | 18.44 | 18.45 | 19 |
| | | | 16QAM | 18.36 | 18.43 | 18.46 | 19 |
| | | | 64QAM | 18.36 | 18.44 | 18.45 | 19 |
| | | Middle | QPSK | 18.39 | 18.47 | 18.48 | 19 |
| | | | 16QAM | 18.46 | 18.48 | 18.53 | 19 |
| | | | 64QAM | 18.46 | 18.48 | 18.53 | 19 |
| | | Low | QPSK | 18.42 | 18.41 | 18.45 | 19 |
| | | | 16QAM | 18.44 | 18.41 | 18.46 | 19 |
| | | | 64QAM | 18.43 | 18.42 | 18.46 | 19 |
| | 25RB | / | QPSK | 18.39 | 18.44 | 18.42 | 19 |
| | | | 16QAM | 18.39 | 18.45 | 18.48 | 19 |
| | | | 64QAM | 18.40 | 18.44 | 18.48 | 19 |

< Hotspot on >

| Band-width | LTE-FDD Band 2 | | | Actual output Power (dBm) | | | Tune up | |
|------------|----------------|-----------|------------|---------------------------|---------|---------|---------|----|
| | RB allocation | RB offset | Modulation | High | Middle | Low | | |
| 10 MHz | 1RB | High | QPSK | 1905MHz | 1880MHz | 1855MHz | 19 | |
| | | | 16QAM | 18.25 | 18.43 | 18.39 | 19 | |
| | | | 64QAM | 18.59 | 18.79 | 18.75 | 19 | |
| | | Middle | QPSK | 18.59 | 18.78 | 18.76 | 19 | |
| | | | 16QAM | 18.49 | 18.57 | 18.57 | 19 | |
| | | | 64QAM | 18.84 | 18.90 | 18.92 | 19 | |
| | | Low | QPSK | 18.83 | 18.91 | 18.92 | 19 | |
| | | | 16QAM | 18.37 | 18.46 | 18.49 | 19 | |
| | | | 64QAM | 18.73 | 18.78 | 18.89 | 19 | |
| | 25RB | High | QPSK | 18.72 | 18.79 | 18.90 | 19 | |
| | | | 16QAM | 18.38 | 18.57 | 18.57 | 19 | |
| | | | 64QAM | 18.40 | 18.59 | 18.57 | 19 | |
| | | Middle | QPSK | 18.40 | 18.58 | 18.58 | 19 | |
| | | | 16QAM | 18.43 | 18.58 | 18.56 | 19 | |
| | | | 64QAM | 18.45 | 18.60 | 18.57 | 19 | |
| | | Low | QPSK | 18.45 | 18.60 | 18.58 | 19 | |
| | | | 16QAM | 18.48 | 18.58 | 18.57 | 19 | |
| | | | 64QAM | 18.51 | 18.57 | 18.55 | 19 | |
| | 50RB | / | QPSK | 18.51 | 18.57 | 18.55 | 19 | |
| | | | 16QAM | 18.43 | 18.57 | 18.56 | 19 | |
| | | | 64QAM | 18.47 | 18.57 | 18.54 | 19 | |
| | | | | 64QAM | 18.47 | 18.57 | 18.53 | 19 |

< Hotspot on >

| Band-width | LTE-FDD Band 2 | | | Actual output Power (dBm) | | | Tune up |
|------------|----------------|-----------|------------|---------------------------|---------|-----------|---------|
| | RB allocation | RB offset | Modulation | High | Middle | Low | |
| 15 MHz | | | | 1902.5MHz | 1880MHz | 1857.5MHz | |
| | 1RB | High | QPSK | 18.19 | 18.35 | 18.33 | 19 |
| | | | 16QAM | 18.46 | 18.67 | 18.69 | 19 |
| | | | 64QAM | 18.47 | 18.68 | 18.69 | 19 |
| | | Middle | QPSK | 18.38 | 18.49 | 18.48 | 19 |
| | | | 16QAM | 18.72 | 18.79 | 18.79 | 19 |
| | | | 64QAM | 18.71 | 18.78 | 18.79 | 19 |
| | | Low | QPSK | 18.34 | 18.44 | 18.50 | 19 |
| | | | 16QAM | 18.67 | 18.77 | 18.89 | 19 |
| | | | 64QAM | 18.68 | 18.78 | 18.89 | 19 |
| | 36RB | High | QPSK | 18.35 | 18.52 | 18.49 | 19 |
| | | | 16QAM | 18.35 | 18.51 | 18.51 | 19 |
| | | | 64QAM | 18.36 | 18.52 | 18.51 | 19 |
| | | Middle | QPSK | 18.46 | 18.54 | 18.57 | 19 |
| | | | 16QAM | 18.44 | 18.57 | 18.57 | 19 |
| | | | 64QAM | 18.44 | 18.57 | 18.56 | 19 |
| | | Low | QPSK | 18.44 | 18.53 | 18.57 | 19 |
| | | | 16QAM | 18.46 | 18.57 | 18.55 | 19 |
| | | | 64QAM | 18.45 | 18.57 | 18.56 | 19 |
| | 75RB | / | QPSK | 18.42 | 18.53 | 18.55 | 19 |
| | | | 16QAM | 18.43 | 18.55 | 18.55 | 19 |
| | | | 64QAM | 18.43 | 18.54 | 18.55 | 19 |

< Hotspot on >

| Band-width | LTE-FDD Band 2 | | | Actual output Power (dBm) | | | Tune up |
|------------|----------------|-----------|------------|---------------------------|---------|---------|---------|
| | RB allocation | RB offset | Modulation | High | Middle | Low | |
| 20 MHz | 1RB | High | QPSK | 1900MHz | 1880MHz | 1860MHz | 19 |
| | | | 16QAM | 18.11 | 18.16 | 18.19 | 19 |
| | | | 64QAM | 18.50 | 18.56 | 18.56 | 19 |
| | | Middle | QPSK | 18.44 | 18.50 | 18.52 | 19 |
| | | | 16QAM | 18.80 | 18.80 | 18.84 | 19 |
| | | | 64QAM | 18.80 | 18.81 | 18.85 | 19 |
| | | Low | QPSK | 18.28 | 18.30 | 18.39 | 19 |
| | | | 16QAM | 18.66 | 18.66 | 18.73 | 19 |
| | | | 64QAM | 18.65 | 18.67 | 18.74 | 19 |
| | 36RB | High | QPSK | 18.31 | 18.37 | 18.39 | 19 |
| | | | 16QAM | 18.31 | 18.37 | 18.38 | 19 |
| | | | 64QAM | 18.30 | 18.38 | 18.38 | 19 |
| | | Middle | QPSK | 18.42 | 18.47 | 18.50 | 19 |
| | | | 16QAM | 18.40 | 18.50 | 18.51 | 19 |
| | | | 64QAM | 18.40 | 18.50 | 18.52 | 19 |
| | | Low | QPSK | 18.46 | 18.48 | 18.48 | 19 |
| | | | 16QAM | 18.45 | 18.50 | 18.44 | 19 |
| | | | 64QAM | 18.45 | 18.49 | 18.45 | 19 |
| | 75RB | / | QPSK | 18.35 | 18.42 | 18.42 | 19 |
| | | | 16QAM | 18.38 | 18.42 | 18.41 | 19 |
| | | | 64QAM | 18.39 | 18.43 | 18.41 | 19 |

< Hotspot on >

| LTE-FDD Band 4 | | | | Actual output Power (dBm) | | | Tune up |
|----------------|---------------|-----------|------------|---------------------------|-----------|-----------|---------|
| Band-width | | | | High | Middle | Low | |
| 1.4 MHz | RB allocation | RB offset | Modulation | 1754.3MHz | 1732.5MHz | 1710.7MHz | |
| | 1RB | High | QPSK | 19.00 | 18.91 | 18.88 | 20 |
| | | | 16QAM | 19.30 | 19.19 | 19.20 | 20 |
| | | | 64QAM | 19.30 | 19.21 | 19.22 | 20 |
| | | Middle | QPSK | 19.11 | 19.00 | 19.00 | 20 |
| | | | 16QAM | 19.42 | 19.30 | 19.33 | 20 |
| | | | 64QAM | 19.42 | 19.28 | 19.32 | 20 |
| | | Low | QPSK | 18.99 | 18.90 | 18.87 | 20 |
| | | | 16QAM | 19.28 | 19.23 | 19.22 | 20 |
| | | | 64QAM | 19.28 | 19.20 | 19.26 | 20 |
| | 3RB | High | QPSK | 19.12 | 19.02 | 18.99 | 20 |
| | | | 16QAM | 19.11 | 19.01 | 19.03 | 20 |
| | | | 64QAM | 19.12 | 19.03 | 19.03 | 20 |
| | | Middle | QPSK | 19.17 | 19.06 | 19.04 | 20 |
| | | | 16QAM | 19.17 | 19.09 | 19.07 | 20 |
| | | | 64QAM | 19.18 | 19.09 | 19.07 | 20 |
| | | Low | QPSK | 19.10 | 19.01 | 18.96 | 20 |
| | | | 16QAM | 19.11 | 19.03 | 18.99 | 20 |
| | | | 64QAM | 19.11 | 19.03 | 19.00 | 20 |
| | 6RB | / | QPSK | 19.11 | 18.99 | 18.99 | 20 |
| | | | 16QAM | 19.18 | 19.11 | 19.09 | 20 |
| | | | 64QAM | 19.19 | 19.15 | 19.12 | 20 |

< Hotspot on >

| LTE-FDD Band 4 | | | | Actual output Power (dBm) | | | Tune up |
|----------------|---------------|-----------|------------|---------------------------|-----------|-----------|---------|
| Band-width | | | | High | Middle | Low | |
| 3 MHz | RB allocation | RB offset | Modulation | 1753.5MHz | 1732.5MHz | 1711.5MHz | |
| | 1RB | High | QPSK | 19.09 | 18.97 | 18.94 | 20 |
| | | | 16QAM | 19.45 | 19.25 | 19.26 | 20 |
| | | | 64QAM | 19.44 | 19.26 | 19.26 | 20 |
| | | Middle | QPSK | 19.26 | 19.12 | 19.13 | 20 |
| | | | 16QAM | 19.54 | 19.44 | 19.44 | 20 |
| | | | 64QAM | 19.54 | 19.42 | 19.43 | 20 |
| | | Low | QPSK | 19.07 | 19.01 | 18.98 | 20 |
| | | | 16QAM | 19.40 | 19.34 | 19.32 | 20 |
| | | | 64QAM | 19.41 | 19.35 | 19.37 | 20 |
| | 8RB | High | QPSK | 19.11 | 19.03 | 19.01 | 20 |
| | | | 16QAM | 19.17 | 19.09 | 19.08 | 20 |
| | | | 64QAM | 19.17 | 19.11 | 19.09 | 20 |
| | | Middle | QPSK | 19.13 | 19.01 | 19.02 | 20 |
| | | | 16QAM | 19.20 | 19.10 | 19.11 | 20 |
| | | | 64QAM | 19.21 | 19.11 | 19.14 | 20 |
| | | Low | QPSK | 19.09 | 19.05 | 19.00 | 20 |
| | | | 16QAM | 19.19 | 19.10 | 19.07 | 20 |
| | | | 64QAM | 19.19 | 19.10 | 19.05 | 20 |
| | 15RB | / | QPSK | 19.10 | 19.04 | 18.99 | 20 |
| | | | 16QAM | 19.12 | 19.07 | 19.02 | 20 |
| | | | 64QAM | 19.12 | 19.08 | 19.03 | 20 |

< Hotspot on >

| LTE-FDD Band 4 | | | | Actual output Power (dBm) | | | Tune up |
|----------------|---------------|-----------|------------|---------------------------|-----------|-----------|---------|
| Band-width | | | | High | Middle | Low | |
| 5 MHz | RB allocation | RB offset | Modulation | 1752.5MHz | 1732.5MHz | 1712.5MHz | |
| | 1RB | High | QPSK | 18.98 | 18.88 | 18.85 | 20 |
| | | | 16QAM | 19.30 | 19.21 | 19.22 | 20 |
| | | | 64QAM | 19.32 | 19.25 | 19.22 | 20 |
| | | Middle | QPSK | 19.22 | 19.15 | 19.08 | 20 |
| | | | 16QAM | 19.54 | 19.51 | 19.40 | 20 |
| | | | 64QAM | 19.57 | 19.50 | 19.38 | 20 |
| | | Low | QPSK | 18.97 | 18.90 | 18.89 | 20 |
| | | | 16QAM | 19.26 | 19.25 | 19.23 | 20 |
| | | | 64QAM | 19.28 | 19.25 | 19.26 | 20 |
| | 12RB | High | QPSK | 19.11 | 19.03 | 18.95 | 20 |
| | | | 16QAM | 19.09 | 19.02 | 18.99 | 20 |
| | | | 64QAM | 19.11 | 19.02 | 19.03 | 20 |
| | | Middle | QPSK | 19.15 | 19.10 | 19.07 | 20 |
| | | | 16QAM | 19.17 | 19.13 | 19.07 | 20 |
| | | | 64QAM | 19.17 | 19.16 | 19.08 | 20 |
| | | Low | QPSK | 19.10 | 19.04 | 18.99 | 20 |
| | | | 16QAM | 19.11 | 19.04 | 18.99 | 20 |
| | | | 64QAM | 19.12 | 19.05 | 19.01 | 20 |
| | 25RB | / | QPSK | 19.12 | 19.04 | 19.00 | 20 |
| | | | 16QAM | 19.14 | 19.06 | 19.01 | 20 |
| | | | 64QAM | 19.16 | 19.07 | 19.03 | 20 |

< Hotspot on >

| LTE-FDD Band 4 | | | | Actual output Power (dBm) | | | Tune up |
|----------------|---------------|-----------|------------|---------------------------|-----------|---------|---------|
| Band-width | | | | High | Middle | Low | |
| 10 MHz | RB allocation | RB offset | Modulation | 1750MHz | 1732.5MHz | 1715MHz | |
| | 1RB | High | QPSK | 19.07 | 19.01 | 18.97 | 20 |
| | | | 16QAM | 19.36 | 19.32 | 19.29 | 20 |
| | | | 64QAM | 19.36 | 19.31 | 19.25 | 20 |
| | | Middle | QPSK | 19.24 | 19.13 | 19.12 | 20 |
| | | | 16QAM | 19.54 | 19.42 | 19.41 | 20 |
| | | | 64QAM | 19.55 | 19.47 | 19.42 | 20 |
| | | Low | QPSK | 19.08 | 19.05 | 19.01 | 20 |
| | | | 16QAM | 19.36 | 19.35 | 19.30 | 20 |
| | | | 64QAM | 19.37 | 19.35 | 19.31 | 20 |
| | 25RB | High | QPSK | 19.14 | 19.12 | 19.04 | 20 |
| | | | 16QAM | 19.14 | 19.13 | 19.03 | 20 |
| | | | 64QAM | 19.14 | 19.13 | 19.04 | 20 |
| | | Middle | QPSK | 19.18 | 19.13 | 19.08 | 20 |
| | | | 16QAM | 19.15 | 19.13 | 19.08 | 20 |
| | | | 64QAM | 19.16 | 19.13 | 19.08 | 20 |
| | | Low | QPSK | 19.21 | 19.12 | 19.11 | 20 |
| | | | 16QAM | 19.19 | 19.11 | 19.09 | 20 |
| | | | 64QAM | 19.20 | 19.15 | 19.11 | 20 |
| | 50RB | / | QPSK | 19.18 | 19.14 | 19.05 | 20 |
| | | | 16QAM | 19.16 | 19.13 | 19.05 | 20 |
| | | | 64QAM | 19.17 | 19.16 | 19.06 | 20 |

< Hotspot on >

| Band-width | LTE-FDD Band 4 | | | Actual output Power (dBm) | | | Tune up |
|------------|----------------|-----------|------------|---------------------------|-----------|-----------|---------|
| | RB allocation | RB offset | Modulation | High | Middle | Low | |
| 15 MHz | | | | 1747.5MHz | 1732.5MHz | 1717.5MHz | |
| | 1RB | High | QPSK | 18.95 | 18.92 | 18.93 | 20 |
| | | | 16QAM | 19.29 | 19.21 | 19.26 | 20 |
| | | | 64QAM | 19.31 | 19.22 | 19.27 | 20 |
| | | Middle | QPSK | 19.06 | 19.03 | 19.02 | 20 |
| | | | 16QAM | 19.35 | 19.39 | 19.35 | 20 |
| | | | 64QAM | 19.37 | 19.38 | 19.35 | 20 |
| | | Low | QPSK | 19.00 | 18.99 | 18.98 | 20 |
| | | | 16QAM | 19.34 | 19.27 | 19.32 | 20 |
| | | | 64QAM | 19.36 | 19.25 | 19.30 | 20 |
| | 36RB | High | QPSK | 19.07 | 19.05 | 19.04 | 20 |
| | | | 16QAM | 19.04 | 19.03 | 19.02 | 20 |
| | | | 64QAM | 19.06 | 19.03 | 19.00 | 20 |
| | | Middle | QPSK | 19.14 | 19.12 | 19.07 | 20 |
| | | | 16QAM | 19.11 | 19.10 | 19.07 | 20 |
| | | | 64QAM | 19.11 | 19.13 | 19.07 | 20 |
| | | Low | QPSK | 19.10 | 19.09 | 19.08 | 20 |
| | | | 16QAM | 19.09 | 19.06 | 19.07 | 20 |
| | | | 64QAM | 19.11 | 19.08 | 19.81 | 20 |
| | 75RB | / | QPSK | 19.10 | 19.06 | 19.05 | 20 |
| | | | 16QAM | 19.11 | 19.07 | 19.05 | 20 |
| | | | 64QAM | 19.12 | 19.07 | 19.05 | 20 |

< Hotspot on >

| LTE-FDD Band 4 | | | | Actual output Power (dBm) | | | Tune up |
|----------------|---------------|-----------|------------|---------------------------|-----------|---------|---------|
| Band-width | | | | High | Middle | Low | |
| 20 MHz | RB allocation | RB offset | Modulation | 1745MHz | 1732.5MHz | 1720MHz | |
| | 1RB | High | QPSK | 18.86 | 18.84 | 18.93 | 20 |
| | | | 16QAM | 19.17 | 19.10 | 19.25 | 20 |
| | | | 64QAM | 19.19 | 19.11 | 19.27 | 20 |
| | | Middle | QPSK | 19.11 | 19.12 | 19.21 | 20 |
| | | | 16QAM | 19.36 | 19.47 | 19.54 | 20 |
| | | | 64QAM | 19.37 | 19.43 | 19.51 | 20 |
| | | Low | QPSK | 18.97 | 19.04 | 19.06 | 20 |
| | | | 16QAM | 19.27 | 19.34 | 19.42 | 20 |
| | | | 64QAM | 19.26 | 19.37 | 19.44 | 20 |
| | 36RB | High | QPSK | 18.94 | 19.05 | 19.13 | 20 |
| | | | 16QAM | 18.97 | 19.07 | 19.16 | 20 |
| | | | 64QAM | 18.95 | 19.08 | 19.19 | 20 |
| | | Middle | QPSK | 19.09 | 19.13 | 19.15 | 20 |
| | | | 16QAM | 19.09 | 19.15 | 19.22 | 20 |
| | | | 64QAM | 19.10 | 19.15 | 19.21 | 20 |
| | | Low | QPSK | 19.11 | 19.12 | 19.21 | 20 |
| | | | 16QAM | 19.10 | 19.15 | 19.26 | 20 |
| | | | 64QAM | 19.10 | 19.16 | 19.26 | 20 |
| | 75RB | / | QPSK | 19.03 | 19.10 | 19.16 | 20 |
| | | | 16QAM | 19.03 | 19.12 | 19.18 | 20 |
| | | | 64QAM | 19.03 | 19.12 | 19.17 | 20 |

< Hotspot on >

| LTE-FDD Band 25 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|-----------|-----------|---------|
| Band-width | | | | High | Middle | Low | |
| 1.4 MHz | RB allocation | RB offset | Modulation | 1914.3MHz | 1882.5MHz | 1850.7MHz | |
| | 1RB | High | QPSK | 18.08 | 18.22 | 18.21 | 19 |
| | | | 16QAM | 18.39 | 18.53 | 18.53 | 19 |
| | | | 64QAM | 18.39 | 18.54 | 18.53 | 19 |
| | | Middle | QPSK | 18.19 | 18.32 | 18.30 | 19 |
| | | | 16QAM | 18.52 | 18.61 | 18.65 | 19 |
| | | | 64QAM | 18.51 | 18.62 | 18.65 | 19 |
| | | Low | QPSK | 18.06 | 18.22 | 18.23 | 19 |
| | | | 16QAM | 18.46 | 18.53 | 18.54 | 19 |
| | | | 64QAM | 18.46 | 18.54 | 18.53 | 19 |
| | 3RB | High | QPSK | 18.15 | 18.30 | 18.30 | 19 |
| | | | 16QAM | 18.22 | 18.35 | 18.35 | 19 |
| | | | 64QAM | 18.21 | 18.35 | 18.35 | 19 |
| | | Middle | QPSK | 18.22 | 18.33 | 18.35 | 19 |
| | | | 16QAM | 18.29 | 18.39 | 18.39 | 19 |
| | | | 64QAM | 18.28 | 18.40 | 18.40 | 19 |
| | | Low | QPSK | 18.17 | 18.28 | 18.29 | 19 |
| | | | 16QAM | 18.21 | 18.33 | 18.33 | 19 |
| | | | 64QAM | 18.21 | 18.34 | 18.33 | 19 |
| | 6RB | / | QPSK | 18.21 | 18.29 | 18.31 | 19 |
| | | | 16QAM | 18.30 | 18.42 | 18.43 | 19 |
| | | | 64QAM | 18.30 | 18.42 | 18.43 | 19 |

< Hotspot on >

| LTE-FDD Band 25 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|-----------|-----------|---------|
| Band-width | | | | High | Middle | Low | |
| 3 MHz | RB allocation | RB offset | Modulation | 1913.5MHz | 1882.5MHz | 1851.5MHz | |
| | 1RB | High | QPSK | 18.18 | 18.32 | 18.29 | 19 |
| | | | 16QAM | 18.49 | 18.62 | 18.62 | 19 |
| | | | 64QAM | 18.49 | 18.62 | 18.61 | 19 |
| | | Middle | QPSK | 18.38 | 18.44 | 18.48 | 19 |
| | | | 16QAM | 18.69 | 18.75 | 18.84 | 19 |
| | | | 64QAM | 18.70 | 18.75 | 18.84 | 19 |
| | | Low | QPSK | 18.21 | 18.30 | 18.33 | 19 |
| | | | 16QAM | 18.57 | 18.64 | 18.69 | 19 |
| | | | 64QAM | 18.56 | 18.65 | 18.69 | 19 |
| | 8RB | High | QPSK | 18.22 | 18.34 | 18.35 | 19 |
| | | | 16QAM | 18.32 | 18.43 | 18.45 | 19 |
| | | | 64QAM | 18.33 | 18.43 | 18.45 | 19 |
| | | Middle | QPSK | 18.26 | 18.37 | 18.38 | 19 |
| | | | 16QAM | 18.34 | 18.47 | 18.50 | 19 |
| | | | 64QAM | 18.35 | 18.47 | 18.49 | 19 |
| | | Low | QPSK | 18.22 | 18.34 | 18.34 | 19 |
| | | | 16QAM | 18.35 | 18.45 | 18.44 | 19 |
| | | | 64QAM | 18.35 | 18.45 | 18.43 | 19 |
| | 15RB | / | QPSK | 18.22 | 18.33 | 18.35 | 19 |
| | | | 16QAM | 18.30 | 18.38 | 18.39 | 19 |
| 64QAM | | | 18.29 | 18.37 | 18.40 | 19 | |

< Hotspot on >

| LTE-FDD Band 25 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|-----------|-----------|---------|
| Band-width | | | | High | Middle | Low | |
| 5 MHz | RB allocation | RB offset | Modulation | 1912.5MHz | 1882.5MHz | 1852.5MHz | |
| | 1RB | High | QPSK | 18.06 | 18.20 | 18.17 | 19 |
| | | | 16QAM | 18.41 | 18.53 | 18.51 | 19 |
| | | | 64QAM | 18.40 | 18.53 | 18.51 | 19 |
| | | Middle | QPSK | 18.33 | 18.50 | 18.46 | 19 |
| | | | 16QAM | 18.72 | 18.84 | 18.82 | 19 |
| | | | 64QAM | 18.72 | 18.84 | 18.83 | 19 |
| | | Low | QPSK | 18.11 | 18.21 | 18.23 | 19 |
| | | | 16QAM | 18.45 | 18.51 | 18.58 | 19 |
| | | | 64QAM | 18.45 | 18.52 | 18.57 | 19 |
| | 12RB | High | QPSK | 18.14 | 18.34 | 18.34 | 19 |
| | | | 16QAM | 18.15 | 18.37 | 18.37 | 19 |
| | | | 64QAM | 18.15 | 18.37 | 18.37 | 19 |
| | | Middle | QPSK | 18.28 | 18.40 | 18.41 | 19 |
| | | | 16QAM | 18.28 | 18.41 | 18.45 | 19 |
| | | | 64QAM | 18.28 | 18.42 | 18.45 | 19 |
| | | Low | QPSK | 18.28 | 18.32 | 18.33 | 19 |
| | | | 16QAM | 18.30 | 18.34 | 18.33 | 19 |
| | | | 64QAM | 18.30 | 18.35 | 18.32 | 19 |
| | 25RB | / | QPSK | 18.23 | 18.35 | 18.38 | 19 |
| | | | 16QAM | 18.25 | 18.37 | 18.38 | 19 |
| | | | 64QAM | 18.25 | 18.37 | 18.37 | 19 |

< Hotspot on >

| LTE-FDD Band 25 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|-----------|---------|---------|
| Band-width | | | | High | Middle | Low | |
| 10 MHz | RB allocation | RB offset | Modulation | 1910MHz | 1882.5MHz | 1855MHz | |
| | 1RB | High | QPSK | 18.10 | 18.36 | 18.37 | 19 |
| | | | 16QAM | 18.46 | 18.70 | 18.72 | 19 |
| | | | 64QAM | 18.46 | 18.70 | 18.71 | 19 |
| | | Middle | QPSK | 18.29 | 18.52 | 18.51 | 19 |
| | | | 16QAM | 18.64 | 18.83 | 18.87 | 19 |
| | | | 64QAM | 18.65 | 18.83 | 18.88 | 19 |
| | | Low | QPSK | 18.27 | 18.40 | 18.42 | 19 |
| | | | 16QAM | 18.62 | 18.72 | 18.79 | 19 |
| | | | 64QAM | 18.62 | 18.72 | 18.80 | 19 |
| | 25RB | High | QPSK | 18.14 | 18.46 | 18.48 | 19 |
| | | | 16QAM | 18.16 | 18.48 | 18.51 | 19 |
| | | | 64QAM | 18.16 | 18.47 | 18.51 | 19 |
| | | Middle | QPSK | 18.29 | 18.48 | 18.49 | 19 |
| | | | 16QAM | 18.31 | 18.51 | 18.51 | 19 |
| | | | 64QAM | 18.31 | 18.50 | 18.52 | 19 |
| | | Low | QPSK | 18.34 | 18.46 | 18.47 | 19 |
| | | | 16QAM | 18.37 | 18.49 | 18.48 | 19 |
| | | | 64QAM | 18.36 | 18.49 | 18.49 | 19 |
| | 50RB | / | QPSK | 18.28 | 18.49 | 18.48 | 19 |
| | | | 16QAM | 18.30 | 18.51 | 18.49 | 19 |
| | | | 64QAM | 18.29 | 18.51 | 18.48 | 19 |

< Hotspot on >

| LTE-FDD Band 25 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|-----------|-----------|---------|
| Band-width | | | | High | Middle | Low | |
| 15 MHz | RB allocation | RB offset | Modulation | 1907.5MHz | 1882.5MHz | 1857.5MHz | |
| | 1RB | High | QPSK | 18.05 | 18.29 | 18.30 | 19 |
| | | | 16QAM | 18.40 | 18.63 | 18.59 | 19 |
| | | | 64QAM | 18.40 | 18.62 | 18.60 | 19 |
| | | Middle | QPSK | 18.27 | 18.43 | 18.46 | 19 |
| | | | 16QAM | 18.61 | 18.77 | 18.76 | 19 |
| | | | 64QAM | 18.61 | 18.77 | 18.76 | 19 |
| | | Low | QPSK | 18.22 | 18.35 | 18.41 | 19 |
| | | | 16QAM | 18.53 | 18.70 | 18.77 | 19 |
| | | | 64QAM | 18.52 | 18.71 | 18.77 | 19 |
| | 36RB | High | QPSK | 18.16 | 18.45 | 18.47 | 19 |
| | | | 16QAM | 18.16 | 18.43 | 18.48 | 19 |
| | | | 64QAM | 18.15 | 18.43 | 18.49 | 19 |
| | | Middle | QPSK | 18.29 | 18.49 | 18.51 | 19 |
| | | | 16QAM | 18.32 | 18.49 | 18.50 | 19 |
| | | | 64QAM | 18.31 | 18.50 | 18.49 | 19 |
| | | Low | QPSK | 18.36 | 18.47 | 18.52 | 19 |
| | | | 16QAM | 18.35 | 18.47 | 18.51 | 19 |
| | | | 64QAM | 18.36 | 18.47 | 18.51 | 19 |
| | 75RB | / | QPSK | 18.27 | 18.45 | 18.48 | 19 |
| | | | 16QAM | 18.29 | 18.47 | 18.47 | 19 |
| | | | 64QAM | 18.29 | 18.47 | 18.48 | 19 |

< Hotspot on >

| LTE-FDD Band 25 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|-----------|---------|---------|
| Band-width | | | | High | Middle | Low | |
| 20 MHz | RB allocation | RB offset | Modulation | 1905MHz | 1882.5MHz | 1860MHz | |
| | 1RB | High | QPSK | 17.98 | 18.14 | 18.10 | 19 |
| | | | 16QAM | 18.35 | 18.50 | 18.45 | 19 |
| | | | 64QAM | 18.34 | 18.50 | 18.44 | 19 |
| | | Middle | QPSK | 18.38 | 18.43 | 18.46 | 19 |
| | | | 16QAM | 18.69 | 18.79 | 18.81 | 19 |
| | | | 64QAM | 18.70 | 18.78 | 18.81 | 19 |
| | | Low | QPSK | 18.27 | 18.25 | 18.28 | 19 |
| | | | 16QAM | 18.63 | 18.64 | 18.59 | 19 |
| | | | 64QAM | 18.64 | 18.63 | 18.59 | 19 |
| | 36RB | High | QPSK | 18.15 | 18.36 | 18.36 | 19 |
| | | | 16QAM | 18.16 | 18.33 | 18.37 | 19 |
| | | | 64QAM | 18.17 | 18.33 | 18.38 | 19 |
| | | Middle | QPSK | 18.34 | 18.43 | 18.46 | 19 |
| | | | 16QAM | 18.36 | 18.41 | 18.48 | 19 |
| | | | 64QAM | 18.35 | 18.42 | 18.48 | 19 |
| | | Low | QPSK | 18.41 | 18.41 | 18.40 | 19 |
| | | | 16QAM | 18.44 | 18.39 | 18.42 | 19 |
| | | | 64QAM | 18.44 | 18.40 | 18.41 | 19 |
| | 75RB | / | QPSK | 18.25 | 18.38 | 18.39 | 19 |
| | | | 16QAM | 18.30 | 18.36 | 18.39 | 19 |
| | | | 64QAM | 18.30 | 18.37 | 18.38 | 19 |

< Hotspot on >- PC3

| LTE-FDD Band 41 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|---------|-----------|---------|
| Band-width | | | | High | Middle | Low | |
| 5 MHz | RB allocation | RB offset | Modulation | 2687.5MHz | 2593MHz | 2498.5MHz | |
| | 1RB | High | QPSK | 19.64 | 19.62 | 19.68 | 21 |
| | | | 16QAM | 19.74 | 19.73 | 19.78 | 21 |
| | | | 64QAM | 19.75 | 19.74 | 19.79 | 21 |
| | | Middle | QPSK | 19.87 | 19.87 | 19.91 | 21 |
| | | | 16QAM | 19.97 | 19.99 | 20.03 | 21 |
| | | | 64QAM | 19.98 | 19.89 | 20.02 | 21 |
| | | Low | QPSK | 19.63 | 19.64 | 19.68 | 21 |
| | | | 16QAM | 19.73 | 19.77 | 19.78 | 21 |
| | | | 64QAM | 19.72 | 19.75 | 19.75 | 21 |
| | 12RB | High | QPSK | 19.72 | 19.72 | 19.76 | 21 |
| | | | 16QAM | 19.73 | 19.72 | 19.75 | 21 |
| | | | 64QAM | 19.73 | 19.71 | 19.74 | 21 |
| | | Middle | QPSK | 19.81 | 19.80 | 19.84 | 21 |
| | | | 16QAM | 19.78 | 19.79 | 19.79 | 21 |
| | | | 64QAM | 19.79 | 19.78 | 19.82 | 21 |
| | | Low | QPSK | 19.73 | 19.76 | 19.77 | 21 |
| | | | 16QAM | 19.74 | 19.75 | 19.76 | 21 |
| | | | 64QAM | 19.75 | 19.75 | 19.76 | 21 |
| | 25RB | / | QPSK | 19.70 | 19.76 | 19.77 | 21 |
| | | | 16QAM | 19.77 | 19.79 | 19.83 | 21 |
| 64QAM | | | 19.75 | 19.79 | 19.81 | 21 | |

< Hotspot on >- PC3

| LTE-FDD Band 41 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|---------|---------|---------|
| Band-width | | | | High | Middle | Low | |
| 10 MHz | RB allocation | RB offset | Modulation | 2685MHz | 2593MHz | 2501MHz | |
| | 1RB | High | QPSK | 19.78 | 19.77 | 19.80 | 21 |
| | | | 16QAM | 19.87 | 19.88 | 19.92 | 21 |
| | | | 64QAM | 19.87 | 19.89 | 19.90 | 21 |
| | | Middle | QPSK | 19.88 | 19.86 | 19.91 | 21 |
| | | | 16QAM | 19.97 | 19.99 | 20.02 | 21 |
| | | | 64QAM | 19.99 | 20.02 | 20.03 | 21 |
| | | Low | QPSK | 19.75 | 19.76 | 19.78 | 21 |
| | | | 16QAM | 19.86 | 19.87 | 19.88 | 21 |
| | | | 64QAM | 19.85 | 19.89 | 19.88 | 21 |
| | 25RB | High | QPSK | 19.80 | 19.82 | 19.85 | 21 |
| | | | 16QAM | 19.85 | 19.87 | 19.90 | 21 |
| | | | 64QAM | 19.84 | 19.84 | 19.89 | 21 |
| | | Middle | QPSK | 19.82 | 19.82 | 19.87 | 21 |
| | | | 16QAM | 19.89 | 19.84 | 19.89 | 21 |
| | | | 64QAM | 19.90 | 19.84 | 19.85 | 21 |
| | | Low | QPSK | 19.82 | 19.81 | 19.82 | 21 |
| | | | 16QAM | 19.87 | 19.90 | 19.90 | 21 |
| | | | 64QAM | 19.89 | 19.90 | 19.88 | 21 |
| | 50RB | / | QPSK | 19.88 | 19.88 | 19.90 | 21 |
| | | | 16QAM | 19.90 | 19.91 | 19.89 | 21 |
| | | | 64QAM | 19.91 | 19.91 | 19.89 | 21 |

< Hotspot on >- PC3

| LTE-FDD Band 41 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|---------|-----------|---------|
| Band-width | | | | High | Middle | Low | |
| 15 MHz | RB allocation | RB offset | Modulation | 2682.5MHz | 2593MHz | 2503.5MHz | |
| | 1RB | High | QPSK | 19.67 | 19.66 | 19.74 | 21 |
| | | | 16QAM | 19.78 | 19.77 | 19.81 | 21 |
| | | | 64QAM | 19.75 | 19.75 | 19.80 | 21 |
| | | Middle | QPSK | 19.78 | 19.74 | 19.76 | 21 |
| | | | 16QAM | 19.86 | 19.86 | 19.89 | 21 |
| | | | 64QAM | 19.87 | 19.88 | 19.88 | 21 |
| | | Low | QPSK | 19.64 | 19.68 | 19.69 | 21 |
| | | | 16QAM | 19.76 | 19.79 | 19.80 | 21 |
| | | | 64QAM | 19.74 | 19.79 | 19.83 | 21 |
| | 36RB | High | QPSK | 19.76 | 19.78 | 19.81 | 21 |
| | | | 16QAM | 19.71 | 19.74 | 19.78 | 21 |
| | | | 64QAM | 19.78 | 19.72 | 19.80 | 21 |
| | | Middle | QPSK | 19.75 | 19.81 | 19.85 | 21 |
| | | | 16QAM | 19.75 | 19.78 | 19.80 | 21 |
| | | | 64QAM | 19.75 | 19.75 | 19.79 | 21 |
| | | Low | QPSK | 19.80 | 19.75 | 19.77 | 21 |
| | | | 16QAM | 19.75 | 19.72 | 19.73 | 21 |
| | | | 64QAM | 19.78 | 19.73 | 19.77 | 21 |
| | 75RB | / | QPSK | 19.74 | 19.75 | 19.80 | 21 |
| | | | 16QAM | 19.83 | 19.79 | 19.83 | 21 |
| | | | 64QAM | 19.80 | 19.80 | 19.83 | 21 |

< Hotspot on >- PC3

| LTE-FDD Band 41 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|---------|---------|---------|
| Band-width | | | | High | Middle | Low | |
| 20 MHz | RB allocation | RB offset | Modulation | 2680MHz | 2593MHz | 2506MHz | |
| | 1RB | High | QPSK | 19.57 | 19.66 | 19.78 | 21 |
| | | | 16QAM | 19.67 | 19.76 | 19.89 | 21 |
| | | | 64QAM | 19.67 | 19.75 | 19.88 | 21 |
| | | Middle | QPSK | 19.80 | 19.92 | 20.11 | 21 |
| | | | 16QAM | 19.93 | 20.04 | 20.13 | 21 |
| | | | 64QAM | 19.91 | 20.08 | 20.09 | 21 |
| | | Low | QPSK | 19.67 | 19.76 | 19.80 | 21 |
| | | | 16QAM | 19.76 | 19.85 | 19.91 | 21 |
| | | | 64QAM | 19.76 | 19.85 | 19.92 | 21 |
| | 36RB | High | QPSK | 19.77 | 19.84 | 19.96 | 21 |
| | | | 16QAM | 19.82 | 19.92 | 20.02 | 21 |
| | | | 64QAM | 19.80 | 19.92 | 19.99 | 21 |
| | | Middle | QPSK | 19.83 | 19.89 | 19.99 | 21 |
| | | | 16QAM | 19.86 | 19.97 | 20.05 | 21 |
| | | | 64QAM | 19.95 | 20.03 | 20.08 | 21 |
| | | Low | QPSK | 19.80 | 19.86 | 19.89 | 21 |
| | | | 16QAM | 19.89 | 19.91 | 19.96 | 21 |
| | | | 64QAM | 19.87 | 19.91 | 19.95 | 21 |
| | 75RB | / | QPSK | 19.76 | 19.86 | 19.92 | 21 |
| | | | 16QAM | 19.82 | 19.88 | 19.89 | 21 |
| | | | 64QAM | 19.85 | 19.84 | 19.84 | 21 |

< Hotspot on >- PC3

| LTE-FDD Band 41 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|--------|-----------|---------|
| Band-width | | | | High | Middle | Low | |
| 5 MHz | RB allocation | RB offset | Modulation | 2640.3MHz | / | 2545.8MHz | |
| | 1RB | High | QPSK | 19.63 | / | 19.65 | 21 |
| | | | 16QAM | 19.73 | / | 19.75 | 21 |
| | | | 64QAM | 19.74 | / | 19.76 | 21 |
| | | Middle | QPSK | 19.87 | / | 19.89 | 21 |
| | | | 16QAM | 19.98 | / | 20.01 | 21 |
| | | | 64QAM | 19.93 | / | 19.95 | 21 |
| | | Low | QPSK | 19.64 | / | 19.66 | 21 |
| | | | 16QAM | 19.75 | / | 19.77 | 21 |
| | | | 64QAM | 19.73 | / | 19.75 | 21 |
| | 12RB | High | QPSK | 19.72 | / | 19.74 | 21 |
| | | | 16QAM | 19.73 | / | 19.74 | 21 |
| | | | 64QAM | 19.72 | / | 19.73 | 21 |
| | | Middle | QPSK | 19.81 | / | 19.82 | 21 |
| | | | 16QAM | 19.78 | / | 19.79 | 21 |
| | | | 64QAM | 19.79 | / | 19.80 | 21 |
| | | Low | QPSK | 19.75 | / | 19.77 | 21 |
| | | | 16QAM | 19.74 | / | 19.76 | 21 |
| | | | 64QAM | 19.75 | / | 19.76 | 21 |
| | 25RB | / | QPSK | 19.73 | / | 19.76 | 21 |
| | | | 16QAM | 19.78 | / | 19.81 | 21 |
| | | | 64QAM | 19.77 | / | 19.80 | 21 |

< Hotspot on >- PC3

| LTE-FDD Band 41 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|--------|---------|---------|
| Band-width | | | | High | Middle | Low | |
| 10 MHz | RB allocation | RB offset | Modulation | 2639MHz | / | 2547MHz | |
| | 1RB | High | QPSK | 19.77 | / | 19.79 | 21 |
| | | | 16QAM | 19.87 | / | 19.90 | 21 |
| | | | 64QAM | 19.88 | / | 19.90 | 21 |
| | | Middle | QPSK | 19.87 | / | 19.89 | 21 |
| | | | 16QAM | 19.98 | / | 20.01 | 21 |
| | | | 64QAM | 20.01 | / | 20.03 | 21 |
| | | Low | QPSK | 19.76 | / | 19.77 | 21 |
| | | | 16QAM | 19.87 | / | 19.88 | 21 |
| | | | 64QAM | 19.87 | / | 19.88 | 21 |
| | 25RB | High | QPSK | 19.81 | / | 19.84 | 21 |
| | | | 16QAM | 19.86 | / | 19.89 | 21 |
| | | | 64QAM | 19.84 | / | 19.87 | 21 |
| | | Middle | QPSK | 19.82 | / | 19.85 | 21 |
| | | | 16QAM | 19.87 | / | 19.87 | 21 |
| | | | 64QAM | 19.87 | / | 19.85 | 21 |
| | | Low | QPSK | 19.81 | / | 19.81 | 21 |
| | | | 16QAM | 19.89 | / | 19.90 | 21 |
| | | | 64QAM | 19.89 | / | 19.89 | 21 |
| | 50RB | / | QPSK | 19.88 | / | 19.89 | 21 |
| | | | 16QAM | 19.90 | / | 19.90 | 21 |
| | | | 64QAM | 19.91 | / | 19.90 | 21 |

< Hotspot on >- PC3

| LTE-FDD Band 41 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|--------|-----------|---------|
| Band-width | | | | High | Middle | Low | |
| 15 MHz | RB allocation | RB offset | Modulation | 2637.8MHz | / | 2548.3MHz | |
| | 1RB | High | QPSK | 19.67 | / | 19.70 | 21 |
| | | | 16QAM | 19.78 | / | 19.79 | 21 |
| | | | 64QAM | 19.75 | / | 19.78 | 21 |
| | | Middle | QPSK | 19.76 | / | 19.75 | 21 |
| | | | 16QAM | 19.86 | / | 19.88 | 21 |
| | | | 64QAM | 19.87 | / | 19.88 | 21 |
| | | Low | QPSK | 19.66 | / | 19.69 | 21 |
| | | | 16QAM | 19.77 | / | 19.79 | 21 |
| | | | 64QAM | 19.77 | / | 19.81 | 21 |
| | 36RB | High | QPSK | 19.77 | / | 19.79 | 21 |
| | | | 16QAM | 19.72 | / | 19.76 | 21 |
| | | | 64QAM | 19.75 | / | 19.76 | 21 |
| | | Middle | QPSK | 19.78 | / | 19.83 | 21 |
| | | | 16QAM | 19.77 | / | 19.79 | 21 |
| | | | 64QAM | 19.75 | / | 19.77 | 21 |
| | | Low | QPSK | 19.78 | / | 19.76 | 21 |
| | | | 16QAM | 19.74 | / | 19.72 | 21 |
| | | | 64QAM | 19.75 | / | 19.75 | 21 |
| | 75RB | / | QPSK | 19.75 | / | 19.78 | 21 |
| | | | 16QAM | 19.81 | / | 19.81 | 21 |
| | | | 64QAM | 19.80 | / | 19.81 | 21 |

< Hotspot on >- PC3

| LTE-FDD Band 41 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|--------|-----------|---------|
| Band-width | | | | High | Middle | Low | |
| 20 MHz | RB allocation | RB offset | Modulation | 2636.5MHz | / | 2549.5MHz | |
| | 1RB | High | QPSK | 19.61 | / | 19.72 | 21 |
| | | | 16QAM | 19.72 | / | 19.83 | 21 |
| | | | 64QAM | 19.71 | / | 19.81 | 21 |
| | | Middle | QPSK | 19.86 | / | 19.96 | 21 |
| | | | 16QAM | 19.98 | / | 20.09 | 21 |
| | | | 64QAM | 20.00 | / | 20.09 | 21 |
| | | Low | QPSK | 19.72 | / | 19.78 | 21 |
| | | | 16QAM | 19.81 | / | 19.88 | 21 |
| | | | 64QAM | 19.81 | / | 19.88 | 21 |
| | 36RB | High | QPSK | 19.81 | / | 19.90 | 21 |
| | | | 16QAM | 19.87 | / | 19.97 | 21 |
| | | | 64QAM | 19.86 | / | 19.95 | 21 |
| | | Middle | QPSK | 19.86 | / | 19.94 | 21 |
| | | | 16QAM | 19.92 | / | 20.01 | 21 |
| | | | 64QAM | 19.99 | / | 20.01 | 21 |
| | | Low | QPSK | 19.83 | / | 19.88 | 21 |
| | | | 16QAM | 19.90 | / | 19.94 | 21 |
| | | | 64QAM | 19.89 | / | 19.93 | 21 |
| | 75RB | / | QPSK | 19.81 | / | 19.89 | 21 |
| | | | 16QAM | 19.85 | / | 19.89 | 21 |
| | | | 64QAM | 19.84 | / | 19.84 | 21 |

< Hotspot on >- PC2

| LTE-FDD Band 41 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|---------|-----------|-------------|
| Band-width | | | | High | Middle | Low | |
| 5 MHz | RB allocation | RB offset | Modulation | 2687.5MHz | 2593MHz | 2498.5MHz | |
| | 1RB | High | QPSK | 22.48 | 22.47 | 22.52 | 23.5 |
| | | | 16QAM | 22.61 | 22.62 | 22.67 | 23.5 |
| | | | 64QAM | 22.62 | 22.64 | 22.68 | 23.5 |
| | | Middle | QPSK | 22.61 | 22.60 | 22.64 | 23.5 |
| | | | 16QAM | 22.72 | 22.76 | 22.78 | 23.5 |
| | | | 64QAM | 22.73 | 22.76 | 22.78 | 23.5 |
| | | Low | QPSK | 22.46 | 22.51 | 22.50 | 23.5 |
| | | | 16QAM | 22.60 | 22.66 | 22.67 | 23.5 |
| | | | 64QAM | 22.62 | 22.67 | 22.66 | 23.5 |
| | 12RB | High | QPSK | 22.61 | 22.61 | 22.63 | 23.5 |
| | | | 16QAM | 22.66 | 22.61 | 22.64 | 23.5 |
| | | | 64QAM | 22.67 | 22.60 | 22.64 | 23.5 |
| | | Middle | QPSK | 22.68 | 22.69 | 22.71 | 23.5 |
| | | | 16QAM | 22.68 | 22.65 | 22.69 | 23.5 |
| | | | 64QAM | 22.68 | 22.69 | 22.69 | 23.5 |
| | | Low | QPSK | 22.60 | 22.63 | 22.65 | 23.5 |
| | | | 16QAM | 22.60 | 22.63 | 22.62 | 23.5 |
| | | | 64QAM | 22.61 | 22.64 | 22.64 | 23.5 |
| | 25RB | / | QPSK | 22.59 | 22.61 | 22.63 | 23.5 |
| | | | 16QAM | 22.61 | 22.63 | 22.66 | 23.5 |
| | | | 64QAM | 22.62 | 22.63 | 22.65 | 23.5 |

< Hotspot on >- PC2

| LTE-FDD Band 41 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|---------|---------|-------------|
| Band-width | | | | High | Middle | Low | |
| 10 MHz | RB allocation | RB offset | Modulation | 2685MHz | 2593MHz | 2501MHz | |
| | 1RB | High | QPSK | 22.61 | 22.63 | 22.66 | 23.5 |
| | | | 16QAM | 22.76 | 22.75 | 22.84 | 23.5 |
| | | | 64QAM | 22.78 | 22.77 | 22.83 | 23.5 |
| | | Middle | QPSK | 22.70 | 22.70 | 22.74 | 23.5 |
| | | | 16QAM | 22.86 | 22.85 | 22.90 | 23.5 |
| | | | 64QAM | 22.86 | 22.84 | 22.92 | 23.5 |
| | | Low | QPSK | 22.59 | 22.60 | 22.64 | 23.5 |
| | | | 16QAM | 22.77 | 22.79 | 22.80 | 23.5 |
| | | | 64QAM | 22.75 | 22.80 | 22.81 | 23.5 |
| | 25RB | High | QPSK | 22.67 | 22.68 | 22.73 | 23.5 |
| | | | 16QAM | 22.66 | 22.70 | 22.76 | 23.5 |
| | | | 64QAM | 22.67 | 22.71 | 22.75 | 23.5 |
| | | Middle | QPSK | 22.68 | 22.66 | 22.71 | 23.5 |
| | | | 16QAM | 22.71 | 22.67 | 22.70 | 23.5 |
| | | | 64QAM | 22.70 | 22.66 | 22.70 | 23.5 |
| | | Low | QPSK | 22.66 | 22.66 | 22.70 | 23.5 |
| | | | 16QAM | 22.66 | 22.69 | 22.70 | 23.5 |
| | | | 64QAM | 22.66 | 22.68 | 22.71 | 23.5 |
| | 50RB | / | QPSK | 22.72 | 22.73 | 22.72 | 23.5 |
| | | | 16QAM | 22.71 | 22.72 | 22.73 | 23.5 |
| | | | 64QAM | 22.70 | 22.74 | 22.72 | 23.5 |

< Hotspot on >- PC2

| LTE-FDD Band 41 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|---------|-----------|-------------|
| Band-width | | | | High | Middle | Low | |
| 15 MHz | RB allocation | RB offset | Modulation | 2682.5MHz | 2593MHz | 2503.5MHz | |
| | 1RB | High | QPSK | 22.50 | 22.50 | 22.55 | 23.5 |
| | | | 16QAM | 22.66 | 22.67 | 22.71 | 23.5 |
| | | | 64QAM | 22.67 | 22.67 | 22.71 | 23.5 |
| | | Middle | QPSK | 22.60 | 22.61 | 22.64 | 23.5 |
| | | | 16QAM | 22.73 | 22.75 | 22.78 | 23.5 |
| | | | 64QAM | 22.71 | 22.75 | 22.79 | 23.5 |
| | | Low | QPSK | 22.48 | 22.57 | 22.58 | 23.5 |
| | | | 16QAM | 22.66 | 22.67 | 22.71 | 23.5 |
| | | | 64QAM | 22.67 | 22.68 | 22.71 | 23.5 |
| | 36RB | High | QPSK | 22.64 | 22.64 | 22.69 | 23.5 |
| | | | 16QAM | 22.59 | 22.55 | 22.63 | 23.5 |
| | | | 64QAM | 22.61 | 22.58 | 22.66 | 23.5 |
| | | Middle | QPSK | 22.64 | 22.67 | 22.67 | 23.5 |
| | | | 16QAM | 22.55 | 22.61 | 22.63 | 23.5 |
| | | | 64QAM | 22.58 | 22.60 | 22.66 | 23.5 |
| | | Low | QPSK | 22.64 | 22.61 | 22.65 | 23.5 |
| | | | 16QAM | 22.58 | 22.53 | 22.57 | 23.5 |
| | | | 64QAM | 22.60 | 22.57 | 22.60 | 23.5 |
| | 75RB | / | QPSK | 22.62 | 22.65 | 22.67 | 23.5 |
| | | | 16QAM | 22.59 | 22.61 | 22.63 | 23.5 |
| | | | 64QAM | 22.62 | 22.61 | 22.64 | 23.5 |

< Hotspot on >- PC2

| LTE-FDD Band 41 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|---------|---------|-------------|
| Band-width | | | | High | Middle | Low | |
| 20 MHz | RB allocation | RB offset | Modulation | 2680MHz | 2593MHz | 2506MHz | |
| | 1RB | High | QPSK | 22.45 | 22.45 | 22.49 | 23.5 |
| | | | 16QAM | 22.61 | 22.62 | 22.64 | 23.5 |
| | | | 64QAM | 22.60 | 22.63 | 22.66 | 23.5 |
| | | Middle | QPSK | 22.66 | 22.66 | 22.70 | 23.5 |
| | | | 16QAM | 22.78 | 22.79 | 22.82 | 23.5 |
| | | | 64QAM | 22.80 | 22.80 | 22.83 | 23.5 |
| | | Low | QPSK | 22.40 | 22.39 | 22.47 | 23.5 |
| | | | 16QAM | 22.59 | 22.61 | 22.64 | 23.5 |
| | | | 64QAM | 22.60 | 22.60 | 22.66 | 23.5 |
| | 36RB | High | QPSK | 22.61 | 22.63 | 22.66 | 23.5 |
| | | | 16QAM | 22.62 | 22.63 | 22.68 | 23.5 |
| | | | 64QAM | 22.62 | 22.63 | 22.67 | 23.5 |
| | | Middle | QPSK | 22.65 | 22.67 | 22.69 | 23.5 |
| | | | 16QAM | 22.64 | 22.66 | 22.69 | 23.5 |
| | | | 64QAM | 22.65 | 22.65 | 22.68 | 23.5 |
| | | Low | QPSK | 22.60 | 22.59 | 22.57 | 23.5 |
| | | | 16QAM | 22.61 | 22.60 | 22.59 | 23.5 |
| | | | 64QAM | 22.60 | 22.61 | 22.60 | 23.5 |
| | 75RB | / | QPSK | 22.68 | 22.68 | 22.67 | 23.5 |
| | | | 16QAM | 22.69 | 22.68 | 22.67 | 23.5 |
| | | | 64QAM | 22.67 | 22.69 | 22.67 | 23.5 |

< Hotspot on >- PC2

| LTE-FDD Band 41 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|---|-----------|-------------|
| Band-width | | | | Mid-High | / | Mid-Low | |
| 5 MHz | RB allocation | RB offset | Modulation | 2640.3MHz | / | 2545.8MHz | |
| | 1RB | High | QPSK | 22.48 | / | 22.50 | 23.5 |
| | | | 16QAM | 22.61 | / | 22.64 | 23.5 |
| | | | 64QAM | 22.63 | / | 22.66 | 23.5 |
| | | Middle | QPSK | 22.61 | / | 22.62 | 23.5 |
| | | | 16QAM | 22.74 | / | 22.77 | 23.5 |
| | | | 64QAM | 22.74 | / | 22.77 | 23.5 |
| | | Low | QPSK | 22.48 | / | 22.50 | 23.5 |
| | | | 16QAM | 22.63 | / | 22.67 | 23.5 |
| | | | 64QAM | 22.64 | / | 22.66 | 23.5 |
| | 12RB | High | QPSK | 22.61 | / | 22.62 | 23.5 |
| | | | 16QAM | 22.63 | / | 22.63 | 23.5 |
| | | | 64QAM | 22.64 | / | 22.62 | 23.5 |
| | | Middle | QPSK | 22.68 | / | 22.70 | 23.5 |
| | | | 16QAM | 22.67 | / | 22.67 | 23.5 |
| | | | 64QAM | 22.68 | / | 22.69 | 23.5 |
| | | Low | QPSK | 22.61 | / | 22.64 | 23.5 |
| | | | 16QAM | 22.61 | / | 22.62 | 23.5 |
| | | | 64QAM | 22.63 | / | 22.64 | 23.5 |
| | 25RB | / | QPSK | 22.60 | / | 22.62 | 23.5 |
| | | | 16QAM | 22.62 | / | 22.65 | 23.5 |
| | | | 64QAM | 22.62 | / | 22.64 | 23.5 |

< Hotspot on >- PC2

| LTE-FDD Band 41 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|---|---------|-------------|
| Band-width | | | | Mid-High | / | Mid-Low | |
| 10 MHz | RB allocation | RB offset | Modulation | 2639MHz | / | 2547MHz | |
| | 1RB | High | QPSK | 22.62 | / | 22.64 | 23.5 |
| | | | 16QAM | 22.76 | / | 22.80 | 23.5 |
| | | | 64QAM | 22.77 | / | 22.80 | 23.5 |
| | | Middle | QPSK | 22.70 | / | 22.72 | 23.5 |
| | | | 16QAM | 22.85 | / | 22.87 | 23.5 |
| | | | 64QAM | 22.85 | / | 22.88 | 23.5 |
| | | Low | QPSK | 22.59 | / | 22.62 | 23.5 |
| | | | 16QAM | 22.78 | / | 22.80 | 23.5 |
| | | | 64QAM | 22.77 | / | 22.81 | 23.5 |
| | 25RB | High | QPSK | 22.68 | / | 22.71 | 23.5 |
| | | | 16QAM | 22.68 | / | 22.73 | 23.5 |
| | | | 64QAM | 22.69 | / | 22.73 | 23.5 |
| | | Middle | QPSK | 22.67 | / | 22.69 | 23.5 |
| | | | 16QAM | 22.69 | / | 22.69 | 23.5 |
| | | | 64QAM | 22.68 | / | 22.68 | 23.5 |
| | | Low | QPSK | 22.66 | / | 22.68 | 23.5 |
| | | | 16QAM | 22.68 | / | 22.70 | 23.5 |
| | | | 64QAM | 22.67 | / | 22.70 | 23.5 |
| | 50RB | / | QPSK | 22.72 | / | 22.73 | 23.5 |
| | | | 16QAM | 22.72 | / | 22.73 | 23.5 |
| | | | 64QAM | 22.72 | / | 22.73 | 23.5 |

< Hotspot on >- PC2

| LTE-FDD Band 41 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|---|-----------|-------------|
| Band-width | | | | Mid-High | / | Mid-Low | |
| 15 MHz | RB allocation | RB offset | Modulation | 2637.8MHz | / | 2548.3MHz | |
| | 1RB | High | QPSK | 22.50 | / | 22.53 | 23.5 |
| | | | 16QAM | 22.67 | / | 22.69 | 23.5 |
| | | | 64QAM | 22.67 | / | 22.69 | 23.5 |
| | | Middle | QPSK | 22.60 | / | 22.62 | 23.5 |
| | | | 16QAM | 22.74 | / | 22.77 | 23.5 |
| | | | 64QAM | 22.73 | / | 22.77 | 23.5 |
| | | Low | QPSK | 22.52 | / | 22.58 | 23.5 |
| | | | 16QAM | 22.67 | / | 22.69 | 23.5 |
| | | | 64QAM | 22.68 | / | 22.70 | 23.5 |
| | 36RB | High | QPSK | 22.64 | / | 22.66 | 23.5 |
| | | | 16QAM | 22.57 | / | 22.59 | 23.5 |
| | | | 64QAM | 22.59 | / | 22.62 | 23.5 |
| | | Middle | QPSK | 22.66 | / | 22.67 | 23.5 |
| | | | 16QAM | 22.58 | / | 22.62 | 23.5 |
| | | | 64QAM | 22.59 | / | 22.63 | 23.5 |
| | | Low | QPSK | 22.63 | / | 22.63 | 23.5 |
| | | | 16QAM | 22.56 | / | 22.55 | 23.5 |
| | | | 64QAM | 22.59 | / | 22.59 | 23.5 |
| | 75RB | / | QPSK | 22.64 | / | 22.66 | 23.5 |
| | | | 16QAM | 22.60 | / | 22.62 | 23.5 |
| | | | 64QAM | 22.62 | / | 22.63 | 23.5 |

< Hotspot on >- PC2

| LTE-FDD Band 41 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|---|-----------|-------------|
| Band-width | | | | Mid-High | / | Mid-Low | |
| 20 MHz | RB allocation | RB offset | Modulation | 2636.5MHz | / | 2549.5MHz | |
| | 1RB | High | QPSK | 22.45 | / | 22.47 | 23.5 |
| | | | 16QAM | 22.62 | / | 22.63 | 23.5 |
| | | | 64QAM | 22.61 | / | 22.64 | 23.5 |
| | | Middle | QPSK | 22.66 | / | 22.68 | 23.5 |
| | | | 16QAM | 22.79 | / | 22.81 | 23.5 |
| | | | 64QAM | 22.80 | / | 22.82 | 23.5 |
| | | Low | QPSK | 22.39 | / | 22.43 | 23.5 |
| | | | 16QAM | 22.60 | / | 22.62 | 23.5 |
| | | | 64QAM | 22.60 | / | 22.63 | 23.5 |
| | 36RB | High | QPSK | 22.62 | / | 22.64 | 23.5 |
| | | | 16QAM | 22.63 | / | 22.66 | 23.5 |
| | | | 64QAM | 22.63 | / | 22.65 | 23.5 |
| | | Middle | QPSK | 22.66 | / | 22.68 | 23.5 |
| | | | 16QAM | 22.65 | / | 22.68 | 23.5 |
| | | | 64QAM | 22.65 | / | 22.67 | 23.5 |
| | | Low | QPSK | 22.59 | / | 22.58 | 23.5 |
| | | | 16QAM | 22.61 | / | 22.60 | 23.5 |
| | | | 64QAM | 22.61 | / | 22.61 | 23.5 |
| | 75RB | / | QPSK | 22.68 | / | 22.67 | 23.5 |
| | | | 16QAM | 22.68 | / | 22.68 | 23.5 |
| | | | 64QAM | 22.68 | / | 22.68 | 23.5 |

< Hotspot on >

| LTE-FDD Band 66 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|---------|-----------|---------|
| Band-width | | | | High | Middle | Low | |
| 1.4 MHz | RB allocation | RB offset | Modulation | 1779.3MHz | 1745MHz | 1710.7MHz | |
| | 1RB | High | QPSK | 18.88 | 18.96 | 18.81 | 20 |
| | | | 16QAM | 19.12 | 19.18 | 19.03 | 20 |
| | | | 64QAM | 19.10 | 19.19 | 19.13 | 20 |
| | | Middle | QPSK | 19.27 | 19.25 | 19.07 | 20 |
| | | | 16QAM | 19.49 | 19.40 | 19.41 | 20 |
| | | | 64QAM | 19.47 | 19.41 | 19.42 | 20 |
| | | Low | QPSK | 19.11 | 18.97 | 18.84 | 20 |
| | | | 16QAM | 19.45 | 19.28 | 19.23 | 20 |
| | | | 64QAM | 19.43 | 19.30 | 19.23 | 20 |
| | 3RB | High | QPSK | 19.04 | 19.20 | 18.99 | 20 |
| | | | 16QAM | 19.10 | 19.16 | 19.05 | 20 |
| | | | 64QAM | 19.10 | 19.13 | 19.05 | 20 |
| | | Middle | QPSK | 19.23 | 19.28 | 19.12 | 20 |
| | | | 16QAM | 19.21 | 19.27 | 19.11 | 20 |
| | | | 64QAM | 19.19 | 19.27 | 19.11 | 20 |
| | | Low | QPSK | 19.26 | 19.26 | 19.15 | 20 |
| | | | 16QAM | 19.23 | 19.27 | 19.13 | 20 |
| | | | 64QAM | 19.26 | 19.23 | 19.16 | 20 |
| | 6RB | / | QPSK | 19.15 | 19.15 | 19.01 | 20 |
| | | | 16QAM | 19.11 | 19.14 | 19.01 | 20 |
| 64QAM | | | 19.11 | 19.14 | 19.03 | 20 | |

< Hotspot on >

| LTE-FDD Band 66 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|---------|-----------|---------|
| Band-width | | | | High | Middle | Low | |
| 3 MHz | RB allocation | RB offset | Modulation | 1778.5MHz | 1745MHz | 1711.5MHz | |
| | 1RB | High | QPSK | 19.06 | 18.89 | 18.72 | 20 |
| | | | 16QAM | 19.30 | 19.11 | 18.94 | 20 |
| | | | 64QAM | 19.28 | 19.12 | 19.03 | 20 |
| | | Middle | QPSK | 19.44 | 19.18 | 18.98 | 20 |
| | | | 16QAM | 19.67 | 19.33 | 19.32 | 20 |
| | | | 64QAM | 19.65 | 19.35 | 19.33 | 20 |
| | | Low | QPSK | 19.29 | 18.90 | 18.75 | 20 |
| | | | 16QAM | 19.63 | 19.21 | 19.14 | 20 |
| | | | 64QAM | 19.60 | 19.23 | 19.13 | 20 |
| | 8RB | High | QPSK | 19.22 | 19.13 | 18.90 | 20 |
| | | | 16QAM | 19.28 | 19.09 | 18.95 | 20 |
| | | | 64QAM | 19.28 | 19.06 | 18.95 | 20 |
| | | Middle | QPSK | 19.40 | 19.21 | 19.03 | 20 |
| | | | 16QAM | 19.39 | 19.21 | 19.02 | 20 |
| | | | 64QAM | 19.37 | 19.20 | 19.02 | 20 |
| | | Low | QPSK | 19.44 | 19.19 | 19.06 | 20 |
| | | | 16QAM | 19.41 | 19.20 | 19.04 | 20 |
| | | | 64QAM | 19.44 | 19.16 | 19.07 | 20 |
| | 15RB | / | QPSK | 19.32 | 19.08 | 18.92 | 20 |
| | | | 16QAM | 19.29 | 19.07 | 18.92 | 20 |
| 64QAM | | | 19.29 | 19.07 | 18.94 | 20 | |

< Hotspot on >

| LTE-FDD Band 66 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|---------|-----------|---------|
| Band-width | | | | High | Middle | Low | |
| 5 MHz | RB allocation | RB offset | Modulation | 1777.5MHz | 1745MHz | 1712.5MHz | |
| | 1RB | High | QPSK | 18.97 | 18.90 | 18.87 | 20 |
| | | | 16QAM | 19.21 | 19.12 | 19.09 | 20 |
| | | | 64QAM | 19.19 | 19.13 | 19.18 | 20 |
| | | Middle | QPSK | 19.36 | 19.19 | 19.13 | 20 |
| | | | 16QAM | 19.58 | 19.34 | 19.47 | 20 |
| | | | 64QAM | 19.56 | 19.36 | 19.48 | 20 |
| | | Low | QPSK | 19.20 | 18.92 | 18.90 | 20 |
| | | | 16QAM | 19.54 | 19.22 | 19.29 | 20 |
| | | | 64QAM | 19.52 | 19.25 | 19.28 | 20 |
| | 12RB | High | QPSK | 19.14 | 19.15 | 19.05 | 20 |
| | | | 16QAM | 19.19 | 19.10 | 19.11 | 20 |
| | | | 64QAM | 19.19 | 19.07 | 19.10 | 20 |
| | | Middle | QPSK | 19.32 | 19.22 | 19.18 | 20 |
| | | | 16QAM | 19.31 | 19.22 | 19.17 | 20 |
| | | | 64QAM | 19.28 | 19.22 | 19.17 | 20 |
| | | Low | QPSK | 19.35 | 19.20 | 19.21 | 20 |
| | | | 16QAM | 19.32 | 19.22 | 19.19 | 20 |
| | | | 64QAM | 19.35 | 19.18 | 19.22 | 20 |
| | 25RB | / | QPSK | 19.24 | 19.09 | 19.07 | 20 |
| | | | 16QAM | 19.21 | 19.09 | 19.07 | 20 |
| | | | 64QAM | 19.20 | 19.09 | 19.09 | 20 |

< Hotspot on >

| LTE-FDD Band 66 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|---------|---------|---------|
| Band-width | | | | High | Middle | Low | |
| 10 MHz | RB allocation | RB offset | Modulation | 1775MHz | 1745MHz | 1715MHz | |
| | 1RB | High | QPSK | 18.92 | 18.93 | 18.82 | 20 |
| | | | 16QAM | 19.16 | 19.15 | 19.04 | 20 |
| | | | 64QAM | 19.13 | 19.16 | 19.13 | 20 |
| | | Middle | QPSK | 19.30 | 19.22 | 19.08 | 20 |
| | | | 16QAM | 19.53 | 19.37 | 19.42 | 20 |
| | | | 64QAM | 19.50 | 19.38 | 19.42 | 20 |
| | | Low | QPSK | 19.15 | 18.94 | 18.85 | 20 |
| | | | 16QAM | 19.49 | 19.25 | 19.24 | 20 |
| | | | 64QAM | 19.46 | 19.27 | 19.23 | 20 |
| | 25RB | High | QPSK | 19.08 | 19.17 | 19.00 | 20 |
| | | | 16QAM | 19.14 | 19.13 | 19.05 | 20 |
| | | | 64QAM | 19.14 | 19.10 | 19.05 | 20 |
| | | Middle | QPSK | 19.26 | 19.25 | 19.13 | 20 |
| | | | 16QAM | 19.25 | 19.24 | 19.12 | 20 |
| | | | 64QAM | 19.23 | 19.24 | 19.12 | 20 |
| | | Low | QPSK | 19.29 | 19.23 | 19.16 | 20 |
| | | | 16QAM | 19.26 | 19.24 | 19.14 | 20 |
| | | | 64QAM | 19.30 | 19.20 | 19.17 | 20 |
| | 50RB | / | QPSK | 19.18 | 19.12 | 19.02 | 20 |
| | | | 16QAM | 19.15 | 19.11 | 19.02 | 20 |
| | | | 64QAM | 19.14 | 19.11 | 19.04 | 20 |

< Hotspot on >

| LTE-FDD Band 66 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|---------|-----------|---------|
| Band-width | | | | High | Middle | Low | |
| 15 MHz | RB allocation | RB offset | Modulation | 1772.5MHz | 1745MHz | 1717.5MHz | |
| | 1RB | High | QPSK | 18.89 | 18.88 | 18.83 | 20 |
| | | | 16QAM | 19.09 | 19.14 | 19.05 | 20 |
| | | | 64QAM | 19.14 | 19.08 | 19.15 | 20 |
| | | Middle | QPSK | 19.15 | 19.30 | 19.09 | 20 |
| | | | 16QAM | 19.36 | 19.46 | 19.44 | 20 |
| | | | 64QAM | 19.39 | 19.43 | 19.44 | 20 |
| | | Low | QPSK | 18.86 | 19.16 | 18.86 | 20 |
| | | | 16QAM | 19.13 | 19.53 | 19.25 | 20 |
| | | | 64QAM | 19.15 | 19.52 | 19.25 | 20 |
| | 36RB | High | QPSK | 19.10 | 19.08 | 19.01 | 20 |
| | | | 16QAM | 19.09 | 19.10 | 19.07 | 20 |
| | | | 64QAM | 19.07 | 19.09 | 19.07 | 20 |
| | | Middle | QPSK | 19.17 | 19.27 | 19.14 | 20 |
| | | | 16QAM | 19.16 | 19.26 | 19.14 | 20 |
| | | | 64QAM | 19.16 | 19.24 | 19.13 | 20 |
| | | Low | QPSK | 19.16 | 19.29 | 19.17 | 20 |
| | | | 16QAM | 19.16 | 19.28 | 19.15 | 20 |
| | | | 64QAM | 19.13 | 19.30 | 19.18 | 20 |
| | 75RB | / | QPSK | 19.05 | 19.18 | 19.03 | 20 |
| | | | 16QAM | 19.05 | 19.14 | 19.04 | 20 |
| | | | 64QAM | 19.07 | 19.12 | 19.05 | 20 |

< Hotspot on >

| LTE-FDD Band 66 | | | | Actual output Power (dBm) | | | Tune up |
|-----------------|---------------|-----------|------------|---------------------------|---------|---------|---------|
| Band-width | | | | High | Middle | Low | |
| 20 MHz | RB allocation | RB offset | Modulation | 1770MHz | 1745MHz | 1720MHz | |
| | 1RB | High | QPSK | 18.94 | 18.87 | 18.85 | 20 |
| | | | 16QAM | 19.16 | 19.09 | 19.10 | 20 |
| | | | 64QAM | 19.15 | 19.12 | 19.14 | 20 |
| | | Middle | QPSK | 19.30 | 19.15 | 19.15 | 20 |
| | | | 16QAM | 19.51 | 19.38 | 19.39 | 20 |
| | | | 64QAM | 19.50 | 19.40 | 19.38 | 20 |
| | | Low | QPSK | 19.08 | 18.93 | 18.90 | 20 |
| | | | 16QAM | 19.32 | 19.30 | 19.29 | 20 |
| | | | 64QAM | 19.31 | 19.30 | 19.30 | 20 |
| | 36RB | High | QPSK | 19.10 | 19.08 | 19.07 | 20 |
| | | | 16QAM | 19.14 | 19.10 | 19.07 | 20 |
| | | | 64QAM | 19.13 | 19.08 | 19.05 | 20 |
| | | Middle | QPSK | 19.23 | 19.20 | 19.20 | 20 |
| | | | 16QAM | 19.22 | 19.20 | 19.19 | 20 |
| | | | 64QAM | 19.21 | 19.18 | 19.19 | 20 |
| | | Low | QPSK | 19.22 | 19.21 | 19.20 | 20 |
| | | | 16QAM | 19.22 | 19.21 | 19.20 | 20 |
| | | | 64QAM | 19.23 | 19.20 | 19.20 | 20 |
| | 75RB | / | QPSK | 19.15 | 19.08 | 19.07 | 20 |
| | | | 16QAM | 19.15 | 19.06 | 19.07 | 20 |
| | | | 64QAM | 19.14 | 19.07 | 19.07 | 20 |

According to November 2017 TCB workshop, Uplink CA SAR Test Guidance as follows:

- a) When the maximum output for UL CA is \leq standalone LTE mode (without CA)
 - PCC is configured according to the highest standalone SAR configuration tested
 - SCC and subsequent CCs are configured according to procedures used for power measurement and parameters (BW, RB etc.) similar to that used for the PCC
- b) When the Reported SAR for UL CA configuration, described above, is $>1.2W/kg$, UL CA SAR is also required for all required test channels (PCC based)
- c) UL CA SAR is also required for standalone SAR configurations $>1.2W/kg$ when they are scaled to the UL CA power level.

The measurement results of downlink LTE CA Conducted Power are as below (**Full Power**):

<>Inter-Band>

| CA List | PCC | | | | | | | SCC | | | | Power | |
|------------|---------|-------|-------|---------|------|-----|--------------|---------|-------|--------|---------|-----------|------------|
| | LTE | BW | UL | UL | Mod. | UL# | UL | LTE | BW | DL | DL | With CA | Without CA |
| | Band | (MHz) | Freq. | Channel | | RB | RB Offset | Band | (MHz) | Freq. | Channel | Tx. Power | |
| | | | (MHz) | | | | | | | (MHz) | | (dBm) | (dBm) |
| CA_25A-26A | Band 25 | 20M | 1860 | 26140 | QPSK | 1 | 50 | Band 26 | 15M | 876.5 | 8865 | 22.37 | 22.48 |
| | Band 26 | 15M | 841.5 | 26965 | QPSK | 1 | 50 | Band 25 | 20M | 1962.5 | 8365 | 22.76 | 22.90 |
| CA_25A-41A | Band 25 | 20M | 1860 | 26140 | QPSK | 1 | 50 | Band 41 | 20M | 2593 | 40620 | 22.42 | 22.48 |
| | Band 41 | 20M | 2506 | 39750 | QPSK | 1 | 50 | Band 25 | 20M | 1962.5 | 8365 | 23.08 | 23.12 |

<Intra-Band>

| CA List | PCC | | | | | | | SCC | | | | Power | |
|-----------------|---------|-------|-------|---------|------|-----|--------------|---------|-------|--------|---------|-----------|------------|
| | LTE | BW | UL | UL | Mod. | UL# | UL | LTE | BW | DL | DL | With CA | Without CA |
| | Band | (MHz) | Freq. | Channel | | RB | RB Offset | Band | (MHz) | Freq. | Channel | Tx. Power | |
| | | | (MHz) | | | | | | | (MHz) | | (dBm) | (dBm) |
| Contiguous | | | | | | | | | | | | | |
| CA_41C PC3 | Band 41 | 20M | 2506 | 39750 | QPSK | 1 | 50 | Band 41 | 20M | 2525.8 | 39948 | 23.01 | 23.12 |
| Non- Contiguous | | | | | | | | | | | | | |
| CA_25A-25A | Band 25 | 20M | 1860 | 26140 | QPSK | 1 | 50 | Band 25 | 5M | 1992.5 | 8665 | 22.34 | 22.48 |

Note: Testing is not required in bands or modes not intended/allowed for US operation.

The measurement results of downlink LTE CA Conducted Power are as below (**Hotspot on**):

<>Inter-Band>

| CA List | PCC | | | | | | | SCC | | | | Power | |
|------------|---------|-------|-------|---------|------|-----|--------------|---------|-------|--------|---------|---------|------------|
| | LTE | BW | UL | UL | Mod. | UL# | UL | LTE | BW | DL | DL | With CA | Without CA |
| | Band | (MHz) | Freq. | Channel | | RB | RB Offset | Band | (MHz) | Freq. | Channel | | |
| | | | (MHz) | | | | | | | (MHz) | | (dBm) | (dBm) |
| CA_25A-26A | Band 25 | 20M | 1860 | 26140 | QPSK | 1 | 50 | Band 26 | 15M | 876.5 | 8865 | 18.32 | 18.46 |
| CA_25A-41A | Band 25 | 20M | 1860 | 26140 | QPSK | 1 | 50 | Band 41 | 20M | 2593 | 40620 | 18.27 | 18.46 |
| | Band 41 | 20M | 2506 | 39750 | QPSK | 1 | 50 | Band 25 | 20M | 1962.5 | 8365 | 20.02 | 20.11 |

<Intra-Band>

| CA List | PCC | | | | | | | SCC | | | | Power | |
|------------|---------|-------|-------|---------|------|-----|--------------|---------|-------|--------|---------|---------|------------|
| | LTE | BW | UL | UL | Mod. | UL# | UL | LTE | BW | DL | DL | With CA | Without CA |
| | Band | (MHz) | Freq. | Channel | | RB | RB Offset | Band | (MHz) | Freq. | Channel | | |
| | | | (MHz) | | | | | | | (MHz) | | (dBm) | (dBm) |
| Contiguous | | | | | | | | | | | | | |
| CA_41C PC3 | Band 41 | 20M | 2506 | 39750 | QPSK | 1 | 50 | Band 41 | 20M | 2525.8 | 39948 | 20.08 | 20.11 |
| CA_25A-25A | Band 25 | 20M | 1860 | 26140 | QPSK | 1 | 50 | Band 25 | 5M | 1992.5 | 8665 | 18.36 | 18.46 |

Note: Testing is not required in bands or modes not intended/allowed for US operation.

The measurement results of uplink LTE CA Conducted Power are as below (**Full Power**):

<Intra-Band>

| CA List | PCC | | | | | | | SCC | | | | | | | Power | |
|------------|---------|-------|-------|---------|------|-----|--------------|---------|-------|--------|---------|------|------|--------------|---------|------------|
| | LTE | BW | UL | UL | Mod. | UL# | UL | LTE | BW | DL | DL | Mod. | UL # | UL | With CA | Without CA |
| | Band | (MHz) | Freq. | Channel | | RB | RB Offset | Band | (MHz) | Freq. | Channel | | RB | RB Offset | | |
| | | | (MHz) | | | | | | | (MHz) | | | | | (dBm) | (dBm) |
| CA_41C PC3 | Band 41 | 20M | 2506 | 39750 | QPSK | 1 | 50 | Band 41 | 20M | 2486.2 | 39552 | QPSK | 1 | 99 | 23.05 | 23.12 |

Note: Testing is not required in bands or modes not intended/allowed for US operation.

The measurement results of uplink LTE CA Conducted Power are as below (**Hotspot on**):

<Intra-Band>

| CA List | PCC | | | | | | | SCC | | | | | | | Power | |
|------------|---------|-------|-------|---------|------|-----|--------------|---------|-------|--------|---------|------|------|--------------|---------|------------|
| | LTE | BW | UL | UL | Mod. | UL# | UL | LTE | BW | DL | DL | Mod. | UL # | UL | With CA | Without CA |
| | Band | (MHz) | Freq. | Channel | | RB | RB Offset | Band | (MHz) | Freq. | Channel | | RB | RB Offset | | |
| | | | (MHz) | | | | | | | (MHz) | | | | | (dBm) | (dBm) |
| CA_41C PC3 | Band 41 | 20M | 2506 | 39750 | QPSK | 1 | 50 | Band 41 | 20M | 2486.2 | 39552 | QPSK | 1 | 99 | 20.06 | 20.11 |

Note: Testing is not required in bands or modes not intended/allowed for US operation.

11.5 Wi-Fi and BT Measurement result

Table 11.6: The conducted Power measurement results for BT

| BT Mode | Tune up | Averaged Power (dBm) | | |
|---------------|---------|----------------------|-----------------|-----------------|
| | | Ch.0 (2402 MHz) | Ch39 (2441 MHz) | Ch78 (2480 MHz) |
| GFSK | 5 | 3.43 | 4.15 | 4.13 |
| EDR2M-4_DQPSK | 5 | 2.57 | 3.28 | 3.23 |
| EDR3M-8DPSK | 5 | 2.57 | 3.32 | 3.28 |
| / | / | Ch0 (2402MHz) | Ch19 (2440MHz) | Ch39 (2480MHz) |
| BLE | -4 | -7.93 | -6.93 | -7.38 |

Table 11.7: The conducted Power measurement results for 2.4G WIFI

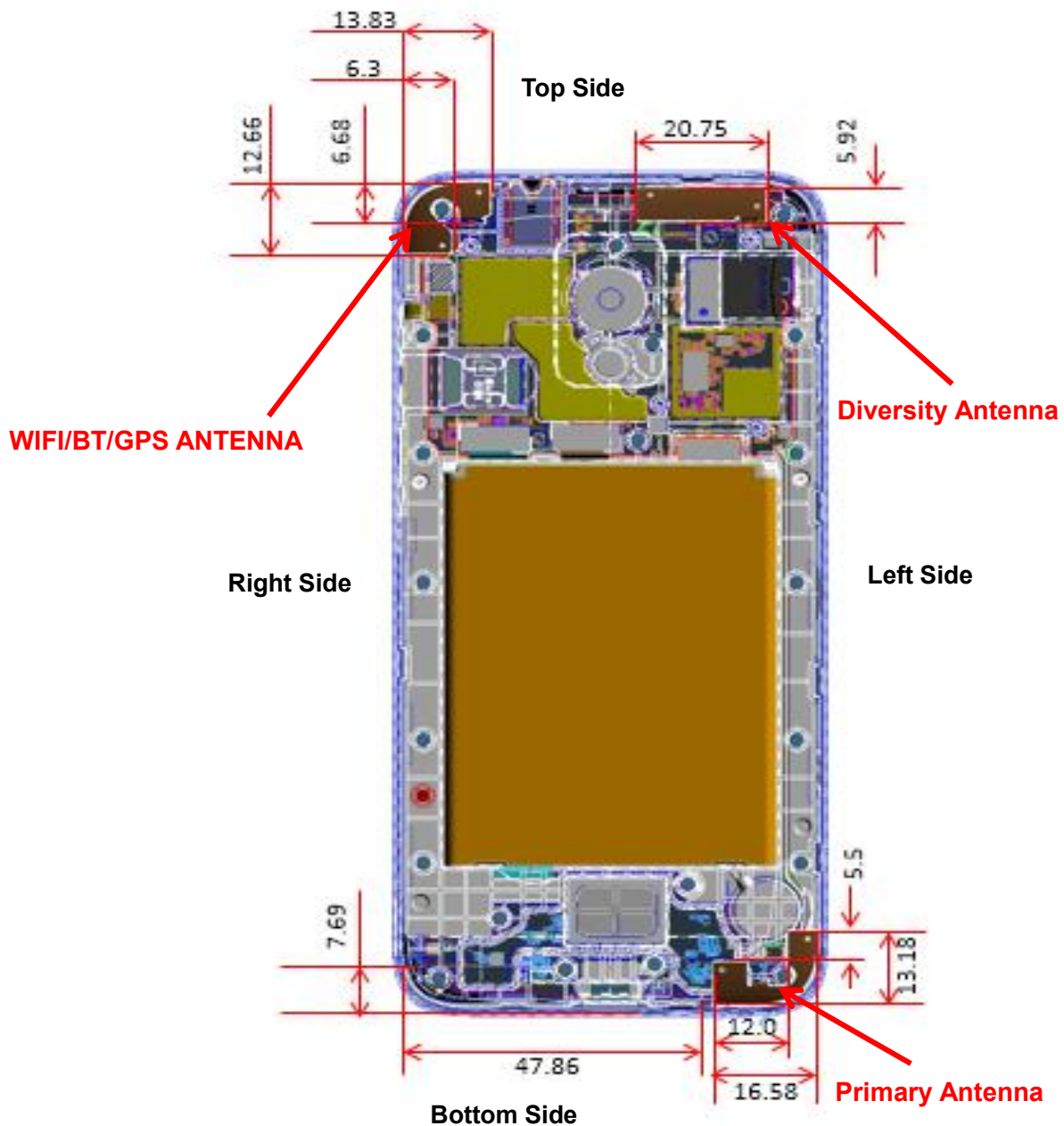
| WiFi 2.4GHz Mode | Tune up | Averaged Power (dBm) Duty Cycle: 100% | | |
|------------------|---------|---------------------------------------|---------------|----------------|
| | | Ch.1(2412 MHz) | Ch.6(2437Mhz) | Ch.11(2462MHz) |
| 802.11b | 16 | 15.38 | 15.55 | 15.61 |
| 802.11g | 14 | 13.44 | 13.62 | 13.46 |
| 802.11n(20MHz) | 14 | 13.41 | 13.57 | 13.54 |
| / | / | Ch.3(2422 MHz) | Ch.6(2437Mhz) | Ch.9(2452MHz) |
| 802.11n(40MHz) | 13 | 12.55 | 12.63 | 12.71 |

12 Simultaneous TX SAR Considerations

12.1 Introduction

The following procedures adopted from “FCC SAR Considerations for Cell Phones with Multiple Transmitters” are applicable to handsets with built-in unlicensed transmitters such as 802.11 a/b/g and Bluetooth devices which may simultaneously transmit with the licensed transmitter. For this device, the BT and Wi-Fi can transmit simultaneous with other transmitters.

12.2 Transmit Antenna Separation Distances



Picture 12.1 Antenna Locations (Back View)

12.3 SAR Measurement Positions

According to the KDB941225 D06 Hot Spot SAR, the edges with less than 25mm distance to the antennas need to be tested for SAR.

| SAR measurement positions | | | | | | |
|---------------------------|-------|------|-----------|------------|----------|-------------|
| Mode | Front | Rear | Left edge | Right edge | Top edge | Bottom edge |
| Main antenna | Yes | Yes | Yes | Yes | No | Yes |
| WIFI antenna | Yes | Yes | Yes | Yes | Yes | No |

12.4 Standalone SAR Test Exclusion Considerations

Standalone 1-g head or body SAR evaluation by measurement or numerical simulation is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied. The 1-g SAR test exclusion threshold for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR, where

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

Table 12.1: Standalone SAR test exclusion considerations

| Band/Mode | f(GHz) | Position | SAR test exclusion threshold (mW) | RF output power | | SAR test exclusion |
|-------------|--------|----------|-----------------------------------|-----------------|-------|--------------------|
| | | | | dBm | mW | |
| Bluetooth | 2.441 | Head | 9.60 | 5 | 3.16 | Yes |
| | | Body | 19.20 | 5 | 3.16 | Yes |
| 2.4GHz WLAN | 2.45 | Head | 9.58 | 16 | 19.81 | No |
| | | Body | 19.17 | 16 | 19.81 | No |

13 Evaluation of Simultaneous

Table 13.1: The sum of reported SAR values for main antenna and Wi-Fi

| / | Position | Main antenna | Wi-Fi | Sum |
|--|------------|--------------|-------|------|
| Highest reported SAR value for Head | Left Touch | 0.50 | 0.97 | 1.47 |
| Highest reported SAR value for Hotspot | Front | 0.97 | 0.17 | 1.14 |
| Highest reported SAR value for Body-worn | Front | 1.39 | 0.09 | 1.48 |

Table 13.2: The sum of reported SAR values for main antenna and Bluetooth

| / | Position | Main antenna | BT* | Sum |
|--|-------------|--------------|------|------|
| Highest reported SAR value for Head | Right Touch | 0.79 | 0.13 | 0.92 |
| Highest reported SAR value for Hotspot | Bottom | 1.11 | 0.07 | 1.18 |
| Highest reported SAR value for Body-worn | Front | 1.39 | 0.04 | 1.43 |

BT* - Estimated SAR for Bluetooth (see the table 13.3)

Table 13.3: Estimated SAR for Bluetooth

| Position | f (GHz) | Distance (mm) | Upper limit of power * | | Estimated _{1g} (W/kg) |
|----------|---------|---------------|------------------------|------|-----------------------------------|
| | | | dBm | mW | |
| Head | 2.441 | 5 | 5 | 3.16 | 0.13 |
| Body | 2.441 | 10 | 5 | 3.16 | 0.07 |
| Body | 2.441 | 15 | 5 | 3.16 | 0.04 |

* - Maximum possible output power declared by manufacturer

When standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:

$(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm}) \cdot [\sqrt{f(\text{GHz})}/x] \text{ W/kg}$ for test separation distances $\leq 50 \text{ mm}$;

Where $x = 7.5$ for 1-g SAR.

When the minimum test separation distance is $< 5 \text{ mm}$, a distance of 5 mm is applied to determine SAR test exclusion

Conclusion:

According to the above tables, the sum of reported SAR values is $< 1.6 \text{ W/kg}$. So the simultaneous transmission SAR with volume scans is not required.

14 SAR Test Result

It is determined by user manual for the distance between the EUT and the phantom bottom. The distances are 10mm, 15mm, and just applied to the condition of body worn accessory. It is performed for all SAR measurements with area scan based 1-g SAR estimation (Fast SAR). A zoom scan measurement is added when the estimated 1-g SAR is the highest measured SAR in each exposure configuration, wireless mode and frequency band combination or >1.2W/kg. The calculated SAR is obtained by the following formula:

$$\text{Reported SAR} = \text{Measured SAR} \times 10^{(P_{\text{Target}} - P_{\text{Measured}})/10}$$

Where P_{Target} is the power of manufacturing upper limit;

P_{Measured} is the measured power in chapter 11.

Duty Cycle

| Mode | Duty Cycle |
|---------------------------------------|------------|
| Speech for GSM850/1900 | 1:8.3 |
| GPRS for GSM850 | 1:4 |
| GPRS for GSM1900 | 1:2 |
| CDMA BC0/BC1/BC10 | 1:1 |
| WCDMA850/1700/1900 | 1:1 |
| FDD_LTE Band 2/4/5/12/13/25//26/66/71 | 1:1 |
| TDD_LTE Band 41 | 1:1.58 |

Note: B1 (Battery), Tianjin Lishen
B2 (Battery), Zhuhai Coslight

14.1 SAR results

Table 14.1: SAR Values (GSM 850 - Head)

| Frequency | | Test Mode | Test Position | Figure No. | Ambient Temperature: 22.5°C | | Liquid Temperature: 22.0°C | | Power Drift(dB) |
|-------------------------------|-----|-----------|---------------|--------------|-----------------------------|--------------------------|----------------------------|-------------------------|-----------------|
| MHz | Ch. | | | | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | |
| 836.6 | 190 | Speech | Left Touch | / | 33.87 | 34.5 | 0.353 | 0.41 | 0.01 |
| 836.6 | 190 | Speech | Left Tilt | / | 33.87 | 34.5 | 0.226 | 0.26 | 0.03 |
| 836.6 | 190 | Speech | Right Touch | Fig.1 | 33.87 | 34.5 | 0.395 | 0.46 | 0.09 |
| 836.6 | 190 | Speech | Right Tilt | / | 33.87 | 34.5 | 0.229 | 0.26 | 0.07 |
| The worst case with B2 | | | | | | | | | |
| 836.6 | 190 | Speech | Right Touch | / | 836.6 | 190 | 0.387 | 0.45 | 0.05 |

Table 14.2: SAR Values (GSM 850 -Body)

| Frequency | | Test Mode | Test Position | Figure No. | Ambient Temperature: 22.5°C | | Liquid Temperature: 22.0°C | | Power Drift(dB) |
|---|-----|-----------|---------------|--------------|-----------------------------|--------------------------|----------------------------|-------------------------|-----------------|
| MHz | Ch. | | | | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | |
| Hotspot / Body-Worn Test Data (10mm) | | | | | | | | | |
| 836.6 | 190 | GPRS | Front | Fig.2 | 32.96 | 33.5 | 0.578 | 0.65 | 0.01 |
| 836.6 | 190 | GPRS | Rear | / | 32.96 | 33.5 | 0.419 | 0.47 | 0.02 |
| 836.6 | 190 | GPRS | Left | / | 32.96 | 33.5 | 0.193 | 0.22 | 0.08 |
| 836.6 | 190 | GPRS | Right | / | 32.96 | 33.5 | 0.380 | 0.43 | 0.04 |
| 836.6 | 190 | GPRS | Bottom | / | 32.96 | 33.5 | 0.310 | 0.35 | -0.02 |
| 836.6 | 190 | EGPRS | Rear | / | 32.96 | 33.5 | 0.575 | 0.65 | 0.03 |
| The worst case with B2 | | | | | | | | | |
| 836.6 | 190 | GPRS | Front | / | 32.96 | 33.5 | 0.571 | 0.65 | 0.03 |

Table 14.3: SAR Values (GSM 1900 - Head)

| Frequency | | Test Mode | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift(dB) |
|---|-----|-----------|---------------|--------------|-----------------------|--------------------------|-------------------------|-------------------------|-----------------|
| MHz | Ch. | | | | | | | | |
| Ambient Temperature: 22.7°C Liquid Temperature: 22.2°C | | | | | | | | | |
| 1880 | 661 | Speech | Left Touch | / | 31.36 | 32 | 0.204 | 0.24 | 0.08 |
| 1880 | 661 | Speech | Left Tilt | / | 31.36 | 32 | 0.098 | 0.11 | 0.08 |
| 1880 | 661 | Speech | Right Touch | Fig.3 | 31.36 | 32 | 0.396 | 0.46 | 0.03 |
| 1880 | 661 | Speech | Right Tilt | / | 31.36 | 32 | 0.083 | 0.10 | 0.06 |
| The worst case with B2 | | | | | | | | | |
| 1880 | 661 | Speech | Right Touch | / | 31.36 | 32 | 0.385 | 0.45 | 0.10 |

Table 14.4: SAR Values (GSM 1900 - Body)

| Frequency | | Test Mode | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift(dB) |
|---|-----|-----------|---------------|--------------|-----------------------|--------------------------|-------------------------|-------------------------|-----------------|
| MHz | Ch. | | | | | | | | |
| Ambient Temperature: 22.4°C Liquid Temperature: 22.0°C | | | | | | | | | |
| Hotspot Test Data (10mm) | | | | | | | | | |
| 1880 | 661 | GPRS | Front | / | 22.29 | 23 | 0.827 | 0.97 | 0.03 |
| 1880 | 661 | GPRS | Rear | / | 22.29 | 23 | 0.378 | 0.45 | 0.09 |
| 1880 | 661 | GPRS | Left | / | 22.29 | 23 | 0.012 | 0.01 | 0.13 |
| 1880 | 661 | GPRS | Right | / | 22.29 | 23 | 0.275 | 0.32 | 0.06 |
| 1880 | 661 | GPRS | Bottom | / | 22.29 | 23 | 0.853 | 1.00 | 0.01 |
| 1909.8 | 810 | GPRS | Front | / | 22.63 | 23 | 0.673 | 0.73 | 0.04 |
| 1850.2 | 512 | GPRS | Front | / | 22.15 | 23 | 0.650 | 0.79 | 0.09 |
| 1909.8 | 810 | GPRS | Bottom | / | 22.63 | 23 | 0.693 | 0.75 | -0.01 |
| 1850.2 | 512 | GPRS | Bottom | / | 22.15 | 23 | 0.648 | 0.79 | -0.01 |
| 1880 | 661 | EGPRS | Bottom | / | 22.29 | 23 | 0.836 | 0.98 | 0.08 |
| Body-Worn Test Data (15mm) | | | | | | | | | |
| 1880 | 661 | GPRS | Front | Fig.4 | 27.83 | 28.5 | 1.190 | 1.39 | 0.09 |
| 1880 | 661 | GPRS | Rear | / | 27.83 | 28.5 | 0.742 | 0.87 | -0.10 |
| 1909.8 | 810 | GPRS | Front | / | 27.91 | 28.5 | 0.919 | 1.05 | 0.09 |
| 1850.2 | 512 | GPRS | Front | / | 27.67 | 28.5 | 1.030 | 1.25 | 0.04 |
| 1909.8 | 810 | GPRS | Rear | / | 27.91 | 28.5 | 0.547 | 0.63 | -0.06 |
| 1850.2 | 512 | GPRS | Rear | / | 27.67 | 28.5 | 0.651 | 0.79 | -0.11 |
| 1880 | 661 | EGPRS | Front | / | 27.83 | 28.5 | 1.180 | 1.38 | 0.05 |
| The worst case with Headset | | | | | | | | | |
| 1880 | 661 | GPRS | Front | / | 27.83 | 28.5 | 1.130 | 1.32 | 0.04 |
| The worst case with B2 | | | | | | | | | |
| 1880 | 661 | GPRS | Front | / | 27.83 | 28.5 | 1.160 | 1.35 | -0.02 |

Table 14.5: SAR Values (CDMA BC0 - Head)

| Frequency | | Test Mode | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift(dB) |
|---|-----|-----------|---------------|--------------|-----------------------|--------------------------|-------------------------|-------------------------|-----------------|
| MHz | Ch. | | | | | | | | |
| Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C | | | | | | | | | |
| 836.52 | 384 | SO55 | Left Touch | / | 23.63 | 24.5 | 0.314 | 0.38 | -0.06 |
| 836.52 | 384 | SO55 | Left Tilt | / | 23.63 | 24.5 | 0.185 | 0.23 | 0.11 |
| 836.52 | 384 | SO55 | Right Touch | Fig.5 | 23.63 | 24.5 | 0.322 | 0.39 | 0.09 |
| 836.52 | 384 | SO55 | Right Tilt | / | 23.63 | 24.5 | 0.175 | 0.21 | 0.02 |
| The worst case with B2 | | | | | | | | | |
| 836.52 | 384 | SO55 | Right Touch | / | 23.63 | 24.5 | 0.306 | 0.37 | -0.08 |

Table 14.6: SAR Values (CDMA BC0 -Body)

| Frequency | | Test Mode | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift(dB) |
|---|-----|-----------|---------------|--------------|-----------------------|--------------------------|-------------------------|-------------------------|-----------------|
| MHz | Ch. | | | | | | | | |
| Ambient Temperature: 22.8°C Liquid Temperature: 22.2°C | | | | | | | | | |
| Hotspot / Body-Worn Test Data (10mm) | | | | | | | | | |
| 836.52 | 384 | SO32 | Front | / | 23.62 | 24.5 | 0.256 | 0.31 | 0.04 |
| 836.52 | 384 | SO32 | Rear | / | 23.62 | 24.5 | 0.240 | 0.29 | 0.04 |
| 836.52 | 384 | SO32 | Left | / | 23.62 | 24.5 | 0.142 | 0.17 | 0.02 |
| 836.52 | 384 | SO32 | Right | / | 23.62 | 24.5 | 0.218 | 0.27 | 0.06 |
| 836.52 | 384 | SO32 | Bottom | / | 23.62 | 24.5 | 0.147 | 0.18 | 0.01 |
| The worst case with B2 | | | | | | | | | |
| 836.52 | 384 | SO32 | Front | Fig.6 | 23.62 | 24.5 | 0.265 | 0.32 | 0.08 |

Table 14.7: SAR Values (CDMA BC1 - Head)

| Frequency | | Test Mode | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift(dB) |
|---|-----|-----------|---------------|--------------|-----------------------|--------------------------|-------------------------|-------------------------|-----------------|
| MHz | Ch. | | | | | | | | |
| Ambient Temperature: 22.7°C Liquid Temperature: 22.2°C | | | | | | | | | |
| 1880 | 600 | SO55 | Left Touch | / | 23.42 | 24 | 0.360 | 0.41 | 0.07 |
| 1880 | 600 | SO55 | Left Tilt | / | 23.42 | 24 | 0.177 | 0.20 | -0.03 |
| 1880 | 600 | SO55 | Right Touch | Fig.7 | 23.42 | 24 | 0.569 | 0.65 | 0.05 |
| 1880 | 600 | SO55 | Right Tilt | / | 23.42 | 24 | 0.114 | 0.13 | 0.07 |
| The worst case with B2 | | | | | | | | | |
| 1880 | 600 | SO55 | Right Touch | / | 23.42 | 24 | 0.554 | 0.63 | -0.03 |

Table 14.8: SAR Values (CDMA BC1 - Body)

| Frequency | | Test Mode | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift(dB) |
|---|------|-----------|---------------|--------------|-----------------------|--------------------------|-------------------------|-------------------------|-----------------|
| MHz | Ch. | | | | | | | | |
| Ambient Temperature: 22.4°C Liquid Temperature: 22.0°C | | | | | | | | | |
| Hotspot Test Data (10mm) | | | | | | | | | |
| 1880 | 600 | SO32 | Front | / | 18.32 | 19 | 0.484 | 0.57 | 0.07 |
| 1880 | 600 | SO32 | Rear | / | 18.32 | 19 | 0.137 | 0.16 | 0.04 |
| 1880 | 600 | SO32 | Left | / | 18.32 | 19 | 0.013 | 0.01 | 0.06 |
| 1880 | 600 | SO32 | Right | / | 18.32 | 19 | 0.104 | 0.12 | 0.08 |
| 1880 | 600 | SO32 | Bottom | / | 18.32 | 19 | 0.463 | 0.54 | 0.05 |
| Body-Worn Test Data (15mm) | | | | | | | | | |
| 1880 | 600 | SO32 | Front | Fig.8 | 23.47 | 24 | 0.921 | 1.04 | 0.11 |
| 1880 | 600 | SO32 | Rear | / | 23.47 | 24 | 0.178 | 0.20 | 0.13 |
| 1908.75 | 1175 | SO32 | Front | / | 23.42 | 24 | 0.557 | 0.64 | 0.03 |
| 1851.25 | 25 | SO32 | Front | / | 23.14 | 24 | 0.383 | 0.47 | 0.04 |
| The worst case with B2 | | | | | | | | | |
| 1880 | 600 | SO32 | Front | / | 23.47 | 24 | 0.903 | 1.03 | 0.05 |

Table 14.9: SAR Values (CDMA BC10 - Head)

| Frequency | | Test Mode | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift(dB) |
|---|-----|-----------|---------------|--------------|-----------------------|--------------------------|-------------------------|-------------------------|-----------------|
| MHz | Ch. | | | | | | | | |
| Ambient Temperature: 22.9°C Liquid Temperature: 22.4°C | | | | | | | | | |
| 820.5 | 580 | SO55 | Left Touch | / | 23.57 | 24.5 | 0.256 | 0.32 | -0.08 |
| 820.5 | 580 | SO55 | Left Tilt | / | 23.57 | 24.5 | 0.143 | 0.18 | 0.10 |
| 820.5 | 580 | SO55 | Right Touch | / | 23.57 | 24.5 | 0.249 | 0.31 | -0.04 |
| 820.5 | 580 | SO55 | Right Tilt | / | 23.57 | 24.5 | 0.132 | 0.16 | 0.09 |
| The worst case with B2 | | | | | | | | | |
| 820.5 | 580 | SO55 | Right Touch | Fig.9 | 23.57 | 24.5 | 0.259 | 0.32 | 0.02 |

Table 14.10: SAR Values (CDMA BC10 - Body)

| Frequency | | Test Mode | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift(dB) |
|---|-----|-----------|---------------|---------------|-----------------------|--------------------------|-------------------------|-------------------------|-----------------|
| MHz | Ch. | | | | | | | | |
| Ambient Temperature: 22.6°C Liquid Temperature: 22.1°C | | | | | | | | | |
| Hotspot / Body-Worn Test Data (10mm) | | | | | | | | | |
| 820.5 | 580 | SO32 | Front | Fig.10 | 23.55 | 24.5 | 0.217 | 0.27 | 0.02 |
| 820.5 | 580 | SO32 | Rear | / | 23.55 | 24.5 | 0.199 | 0.25 | 0.02 |
| 820.5 | 580 | SO32 | Left | / | 23.55 | 24.5 | 0.114 | 0.14 | 0.14 |
| 820.5 | 580 | SO32 | Right | / | 23.55 | 24.5 | 0.181 | 0.23 | 0.05 |
| 820.5 | 580 | SO32 | Bottom | / | 23.55 | 24.5 | 0.111 | 0.14 | -0.01 |
| The worst case with B2 | | | | | | | | | |
| 820.5 | 580 | SO32 | Front | / | 23.55 | 24.5 | 0.211 | 0.26 | 0.10 |

Table 14.11: SAR Values (WCDMA 850 - Head)

| Frequency | | Test Mode | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift(dB) |
|---|------|-----------|---------------|---------------|-----------------------|--------------------------|-------------------------|-------------------------|-----------------|
| MHz | Ch. | | | | | | | | |
| Ambient Temperature: 22.5°C Liquid Temperature: 22.0°C | | | | | | | | | |
| 836.4 | 4182 | RMC | Left Touch | Fig.11 | 23.4 | 24.5 | 0.332 | 0.43 | 0.03 |
| 836.4 | 4182 | RMC | Left Tilt | / | 23.4 | 24.5 | 0.207 | 0.27 | 0.10 |
| 836.4 | 4182 | RMC | Right Touch | / | 23.4 | 24.5 | 0.328 | 0.42 | 0.02 |
| 836.4 | 4182 | RMC | Right Tilt | / | 23.4 | 24.5 | 0.194 | 0.25 | 0.07 |
| The worst case with B2 | | | | | | | | | |
| 836.4 | 4182 | RMC | Left Touch | / | 23.4 | 24.5 | 0.281 | 0.36 | -0.04 |

Table 14.12: SAR Values (WCDMA 850 -Body)

| Frequency | | Test Mode | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift(dB) |
|---|------|-----------|---------------|---------------|-----------------------|--------------------------|-------------------------|-------------------------|-----------------|
| MHz | Ch. | | | | | | | | |
| Ambient Temperature: 22.8°C Liquid Temperature: 22.2°C | | | | | | | | | |
| Hotspot / Body-Worn Test Data (10mm) | | | | | | | | | |
| 836.4 | 4182 | RMC | Front | / | 23.4 | 24.5 | 0.231 | 0.30 | 0.02 |
| 836.4 | 4182 | RMC | Rear | / | 23.4 | 24.5 | 0.274 | 0.35 | 0.05 |
| 836.4 | 4182 | RMC | Left | / | 23.4 | 24.5 | 0.191 | 0.25 | -0.01 |
| 836.4 | 4182 | RMC | Right | / | 23.4 | 24.5 | 0.118 | 0.15 | -0.01 |
| 836.4 | 4182 | RMC | Bottom | / | 23.4 | 24.5 | 0.145 | 0.19 | -0.07 |
| The worst case with B2 | | | | | | | | | |
| 836.4 | 4182 | RMC | Rear | Fig.12 | 23.4 | 24.5 | 0.281 | 0.36 | -0.14 |

Table 14.13: SAR Values (WCDMA1900 - Head)

| Frequency | | Test Mode | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift(dB) |
|---|------|-----------|---------------|---------------|-----------------------|--------------------------|-------------------------|-------------------------|-----------------|
| MHz | Ch. | | | | | | | | |
| Ambient Temperature: 22.7°C Liquid Temperature: 22.2°C | | | | | | | | | |
| 1880 | 9400 | RMC | Left Touch | / | 23.6 | 24.5 | 0.405 | 0.50 | -0.12 |
| 1880 | 9400 | RMC | Left Tilt | / | 23.6 | 24.5 | 0.218 | 0.27 | 0.05 |
| 1880 | 9400 | RMC | Right Touch | Fig.13 | 23.6 | 24.5 | 0.644 | 0.79 | 0.09 |
| 1880 | 9400 | RMC | Right Tilt | / | 23.6 | 24.5 | 0.158 | 0.19 | 0.10 |
| The worst case with B2 | | | | | | | | | |
| 1880 | 9400 | RMC | Right Touch | / | 23.6 | 24.5 | 0.625 | 0.77 | 0.06 |

Table 14.14: SAR Values (WCDMA1900 - Body)

| Frequency | | Test Mode | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift(dB) |
|---|------|-----------|---------------|---------------|-----------------------|--------------------------|-------------------------|-------------------------|-----------------|
| MHz | Ch. | | | | | | | | |
| Ambient Temperature: 22.4°C Liquid Temperature: 22.0°C | | | | | | | | | |
| Hotspot Test Data (10mm) | | | | | | | | | |
| 1880 | 9400 | RMC | Front | / | 19.2 | 20 | 0.801 | 0.96 | 0.06 |
| 1880 | 9400 | RMC | Rear | / | 19.2 | 20 | 0.517 | 0.62 | 0.13 |
| 1880 | 9400 | RMC | Left | / | 19.2 | 20 | 0.010 | 0.01 | 0.04 |
| 1880 | 9400 | RMC | Right | / | 19.2 | 20 | 0.303 | 0.36 | 0.02 |
| 1880 | 9400 | RMC | Bottom | / | 19.2 | 20 | 0.926 | 1.11 | 0.05 |
| 1907.6 | 9538 | RMC | Front | / | 19.2 | 20 | 0.734 | 0.88 | 0.15 |
| 1852.4 | 9262 | RMC | Front | / | 19.2 | 20 | 0.798 | 0.96 | 0.02 |
| 1907.6 | 9538 | RMC | Bottom | / | 19.2 | 20 | 0.771 | 0.93 | -0.03 |
| 1852.4 | 9262 | RMC | Bottom | / | 19.2 | 20 | 0.862 | 1.04 | -0.10 |
| Body-Worn Test Data (15mm) | | | | | | | | | |
| 1880 | 9400 | RMC | Front | / | 23.6 | 24.5 | 1.100 | 1.35 | 0.02 |
| 1880 | 9400 | RMC | Rear | / | 23.6 | 24.5 | 0.665 | 0.82 | 0.01 |
| 1907.6 | 9538 | RMC | Front | / | 23.6 | 24.5 | 0.890 | 1.09 | 0.10 |
| 1852.4 | 9262 | RMC | Front | / | 23.7 | 24.5 | 1.010 | 1.21 | 0.08 |
| 1907.6 | 9538 | RMC | Rear | / | 23.6 | 24.5 | 0.555 | 0.68 | 0.04 |
| 1852.4 | 9262 | RMC | Rear | / | 23.7 | 24.5 | 0.736 | 0.88 | 0.01 |
| The worst case with Headset | | | | | | | | | |
| 1880 | 9400 | RMC | Front | / | 23.6 | 24.5 | 1.020 | 1.25 | -0.04 |
| The worst case with B2 | | | | | | | | | |
| 1880 | 9400 | RMC | Front | Fig.14 | 23.6 | 24.5 | 1.120 | 1.38 | 0.04 |

Table 14.15: SAR Values (WCDMA 1700 - Head)

| Frequency | | Test Mode | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift(dB) |
|---|------|-----------|---------------|---------------|-----------------------|--------------------------|-------------------------|-------------------------|-----------------|
| MHz | Ch. | | | | | | | | |
| Ambient Temperature: 22.9°C Liquid Temperature: 22.4°C | | | | | | | | | |
| 1732.6 | 1413 | RMC | Left Touch | / | 23.5 | 24.5 | 0.119 | 0.15 | 0.05 |
| 1732.6 | 1413 | RMC | Left Tilt | / | 23.5 | 24.5 | 0.101 | 0.13 | 0.03 |
| 1732.6 | 1413 | RMC | Right Touch | Fig.15 | 23.5 | 24.5 | 0.193 | 0.24 | 0.08 |
| 1732.6 | 1413 | RMC | Right Tilt | / | 23.5 | 24.5 | 0.055 | 0.07 | 0.02 |
| The worst case with B2 | | | | | | | | | |
| 1732.6 | 1413 | RMC | Right Touch | / | 23.5 | 24.5 | 0.182 | 0.23 | 0.09 |

Table 14.16: SAR Values (WCDMA 1700 - Body)

| Frequency | | Test Mode | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift(dB) |
|---|------|-----------|---------------|---------------|-----------------------|--------------------------|-------------------------|-------------------------|-----------------|
| MHz | Ch. | | | | | | | | |
| Ambient Temperature: 22.6°C Liquid Temperature: 22.1°C | | | | | | | | | |
| Hotspot Test Data (10mm) | | | | | | | | | |
| 1732.6 | 1413 | RMC | Front | / | 20 | 21 | 0.407 | 0.51 | 0.05 |
| 1732.6 | 1413 | RMC | Rear | / | 20 | 21 | 0.259 | 0.33 | 0.08 |
| 1732.6 | 1413 | RMC | Left | / | 20 | 21 | 0.007 | 0.01 | 0.13 |
| 1732.6 | 1413 | RMC | Right | / | 20 | 21 | 0.183 | 0.23 | 0.08 |
| 1732.6 | 1413 | RMC | Bottom | / | 20 | 21 | 0.425 | 0.54 | -0.09 |
| Body-Worn Test Data (15mm) | | | | | | | | | |
| 1732.6 | 1413 | RMC | Front | / | 23.5 | 24.5 | 0.502 | 0.63 | 0.06 |
| 1732.6 | 1413 | RMC | Rear | / | 23.5 | 24.5 | 0.313 | 0.39 | 0.06 |
| The worst case with B2 | | | | | | | | | |
| 1732.6 | 1413 | RMC | Front | Fig.16 | 23.5 | 24.5 | 0.504 | 0.63 | 0.06 |

Table 14.17: SAR Values (LTE Band 2 - Head)

| Frequency | | Test Mode | Test Position | Figure No. | Conducted Power (dBm) | Max. tune-up Power (dBm) | Measured SAR(1g) (W/kg) | Reported SAR(1g) (W/kg) | Power Drift(dB) |
|-------------------------------|-------|----------------------------|---------------|---------------|-----------------------|--------------------------|-------------------------|-------------------------|-----------------|
| MHz | Ch. | | | | | | | | |
| Ambient Temperature: 22.7°C | | Liquid Temperature: 22.2°C | | | | | | | |
| 1860 | 18700 | 1RB_Mid | Left Touch | / | 22.49 | 23.5 | 0.284 | 0.36 | 0.10 |
| 1860 | 18700 | 50RB_Mid | Left Touch | / | 21.53 | 22.5 | 0.225 | 0.28 | 0.06 |
| 1860 | 18700 | 1RB_Mid | Left Tilt | / | 22.49 | 23.5 | 0.154 | 0.19 | 0.02 |
| 1860 | 18700 | 50RB_Mid | Left Tilt | / | 21.53 | 22.5 | 0.119 | 0.15 | 0.09 |
| 1860 | 18700 | 1RB_Mid | Right Touch | Fig.17 | 22.49 | 23.5 | 0.533 | 0.67 | 0.02 |
| 1860 | 18700 | 50RB_Mid | Right Touch | / | 21.53 | 22.5 | 0.423 | 0.53 | -0.02 |
| 1860 | 18700 | 1RB_Mid | Right Tilt | / | 22.49 | 23.5 | 0.116 | 0.15 | 0.02 |
| 1860 | 18700 | 50RB_Mid | Right Tilt | / | 21.53 | 22.5 | 0.090 | 0.11 | 0.11 |
| The worst case with B2 | | | | | | | | | |
| 1860 | 18700 | 1RB_Mid | Right Touch | / | 22.49 | 23.5 | 0.516 | 0.65 | 0.06 |