

| | | | | |
|-------|------------|--------|-------|-------|
| 10MHz | 1 RB high | 3545 | 64QAM | 19.20 |
| 10MHz | 50% RB mid | 3545 | 64QAM | 18.03 |
| 10MHz | 100% RB | 3545 | 64QAM | 17.99 |
| 15MHz | 1 RB low | 3457.5 | QPSK | 18.45 |
| 15MHz | 1 RB high | 3457.5 | QPSK | 18.99 |
| 15MHz | 50% RB mid | 3457.5 | QPSK | 17.79 |
| 15MHz | 100% RB | 3457.5 | QPSK | 17.82 |
| 15MHz | 1 RB low | 3457.5 | 16QAM | 17.52 |
| 15MHz | 1 RB high | 3457.5 | 16QAM | 18.05 |
| 15MHz | 50% RB mid | 3457.5 | 16QAM | 16.78 |
| 15MHz | 100% RB | 3457.5 | 16QAM | 16.82 |
| 15MHz | 1 RB low | 3457.5 | 64QAM | 16.63 |
| 15MHz | 1 RB high | 3457.5 | 64QAM | 17.15 |
| 15MHz | 50% RB mid | 3457.5 | 64QAM | 15.80 |
| 15MHz | 100% RB | 3457.5 | 64QAM | 15.78 |
| 15MHz | 1 RB low | 3500 | QPSK | 20.33 |
| 15MHz | 1 RB high | 3500 | QPSK | 19.80 |
| 15MHz | 50% RB mid | 3500 | QPSK | 19.21 |
| 15MHz | 100% RB | 3500 | QPSK | 19.20 |
| 15MHz | 1 RB low | 3500 | 16QAM | 19.50 |
| 15MHz | 1 RB high | 3500 | 16QAM | 18.91 |
| 15MHz | 50% RB mid | 3500 | 16QAM | 18.23 |
| 15MHz | 100% RB | 3500 | 16QAM | 18.20 |
| 15MHz | 1 RB low | 3500 | 64QAM | 18.66 |
| 15MHz | 1 RB high | 3500 | 64QAM | 18.03 |
| 15MHz | 50% RB mid | 3500 | 64QAM | 17.19 |
| 15MHz | 100% RB | 3500 | 64QAM | 17.16 |
| 15MHz | 1 RB low | 3542.5 | QPSK | 20.21 |
| 15MHz | 1 RB high | 3542.5 | QPSK | 20.65 |
| 15MHz | 50% RB mid | 3542.5 | QPSK | 19.68 |
| 15MHz | 100% RB | 3542.5 | QPSK | 19.65 |
| 15MHz | 1 RB low | 3542.5 | 16QAM | 19.30 |
| 15MHz | 1 RB high | 3542.5 | 16QAM | 19.79 |
| 15MHz | 50% RB mid | 3542.5 | 16QAM | 18.66 |
| 15MHz | 100% RB | 3542.5 | 16QAM | 18.64 |
| 15MHz | 1 RB low | 3542.5 | 64QAM | 18.37 |
| 15MHz | 1 RB high | 3542.5 | 64QAM | 18.88 |
| 15MHz | 50% RB mid | 3542.5 | 64QAM | 17.67 |
| 15MHz | 100% RB | 3542.5 | 64QAM | 17.60 |
| 20MHz | 1 RB low | 3460 | QPSK | 18.40 |
| 20MHz | 1 RB high | 3460 | QPSK | 19.17 |
| 20MHz | 50% RB mid | 3460 | QPSK | 17.81 |
| 20MHz | 100% RB | 3460 | QPSK | 17.77 |
| 20MHz | 1 RB low | 3460 | 16QAM | 17.49 |
| 20MHz | 1 RB high | 3460 | 16QAM | 18.12 |
| 20MHz | 50% RB mid | 3460 | 16QAM | 16.81 |
| 20MHz | 100% RB | 3460 | 16QAM | 16.82 |
| 20MHz | 1 RB low | 3460 | 64QAM | 16.51 |
| 20MHz | 1 RB high | 3460 | 64QAM | 17.29 |
| 20MHz | 50% RB mid | 3460 | 64QAM | 15.81 |
| 20MHz | 100% RB | 3460 | 64QAM | 15.77 |

| | | | | |
|-------|------------|------|-------|-------|
| 20MHz | 1 RB low | 3500 | QPSK | 20.42 |
| 20MHz | 1 RB high | 3500 | QPSK | 19.72 |
| 20MHz | 50% RB mid | 3500 | QPSK | 19.20 |
| 20MHz | 100% RB | 3500 | QPSK | 19.18 |
| 20MHz | 1 RB low | 3500 | 16QAM | 19.66 |
| 20MHz | 1 RB high | 3500 | 16QAM | 18.94 |
| 20MHz | 50% RB mid | 3500 | 16QAM | 18.23 |
| 20MHz | 100% RB | 3500 | 16QAM | 18.19 |
| 20MHz | 1 RB low | 3500 | 64QAM | 18.42 |
| 20MHz | 1 RB high | 3500 | 64QAM | 17.90 |
| 20MHz | 50% RB mid | 3500 | 64QAM | 17.22 |
| 20MHz | 100% RB | 3500 | 64QAM | 17.21 |
| 20MHz | 1 RB low | 3540 | QPSK | 19.89 |
| 20MHz | 1 RB high | 3540 | QPSK | 20.71 |
| 20MHz | 50% RB mid | 3540 | QPSK | 19.51 |
| 20MHz | 100% RB | 3540 | QPSK | 19.43 |
| 20MHz | 1 RB low | 3540 | 16QAM | 19.16 |
| 20MHz | 1 RB high | 3540 | 16QAM | 19.80 |
| 20MHz | 50% RB mid | 3540 | 16QAM | 18.47 |
| 20MHz | 100% RB | 3540 | 16QAM | 18.44 |
| 20MHz | 1 RB low | 3540 | 64QAM | 18.04 |
| 20MHz | 1 RB high | 3540 | 64QAM | 18.91 |
| 20MHz | 50% RB mid | 3540 | 64QAM | 17.49 |
| 20MHz | 100% RB | 3540 | 64QAM | 17.45 |

LTE BAND 43(part 27)

| Bandwidth | RB size/offset | Frequency (MHz) | Modulation | Avg Power (dBm) |
|-----------|----------------|-----------------|------------|-----------------|
| 5MHz | 1 RB low | 3702.5 | QPSK | 22.93 |
| 5MHz | 1 RB high | 3702.5 | QPSK | 22.78 |
| 5MHz | 50% RB mid | 3702.5 | QPSK | 21.86 |
| 5MHz | 100% RB | 3702.5 | QPSK | 21.82 |
| 5MHz | 1 RB low | 3702.5 | 16QAM | 22.06 |
| 5MHz | 1 RB high | 3702.5 | 16QAM | 21.94 |
| 5MHz | 50% RB mid | 3702.5 | 16QAM | 20.93 |
| 5MHz | 100% RB | 3702.5 | 16QAM | 20.86 |
| 5MHz | 1 RB low | 3702.5 | 64QAM | 21.16 |
| 5MHz | 1 RB high | 3702.5 | 64QAM | 20.94 |
| 5MHz | 50% RB mid | 3702.5 | 64QAM | 19.91 |
| 5MHz | 100% RB | 3702.5 | 64QAM | 19.83 |
| 5MHz | 1 RB low | 3750 | QPSK | 22.88 |
| 5MHz | 1 RB high | 3750 | QPSK | 22.86 |
| 5MHz | 50% RB mid | 3750 | QPSK | 21.91 |
| 5MHz | 100% RB | 3750 | QPSK | 21.86 |
| 5MHz | 1 RB low | 3750 | 16QAM | 22.12 |
| 5MHz | 1 RB high | 3750 | 16QAM | 22.05 |
| 5MHz | 50% RB mid | 3750 | 16QAM | 20.91 |
| 5MHz | 100% RB | 3750 | 16QAM | 20.90 |
| 5MHz | 1 RB low | 3750 | 64QAM | 21.13 |
| 5MHz | 1 RB high | 3750 | 64QAM | 21.18 |
| 5MHz | 50% RB mid | 3750 | 64QAM | 19.98 |
| 5MHz | 100% RB | 3750 | 64QAM | 19.88 |

| | | | | |
|-------|------------|--------|-------|-------|
| 5MHz | 1 RB low | 3797.5 | QPSK | 21.97 |
| 5MHz | 1 RB high | 3797.5 | QPSK | 22.03 |
| 5MHz | 50% RB mid | 3797.5 | QPSK | 21.04 |
| 5MHz | 100% RB | 3797.5 | QPSK | 20.97 |
| 5MHz | 1 RB low | 3797.5 | 16QAM | 20.94 |
| 5MHz | 1 RB high | 3797.5 | 16QAM | 21.08 |
| 5MHz | 50% RB mid | 3797.5 | 16QAM | 20.14 |
| 5MHz | 100% RB | 3797.5 | 16QAM | 20.02 |
| 5MHz | 1 RB low | 3797.5 | 64QAM | 20.29 |
| 5MHz | 1 RB high | 3797.5 | 64QAM | 20.26 |
| 5MHz | 50% RB mid | 3797.5 | 64QAM | 19.11 |
| 5MHz | 100% RB | 3797.5 | 64QAM | 18.98 |
| 10MHz | 1 RB low | 3705 | QPSK | 22.78 |
| 10MHz | 1 RB high | 3705 | QPSK | 22.51 |
| 10MHz | 50% RB mid | 3705 | QPSK | 21.67 |
| 10MHz | 100% RB | 3705 | QPSK | 21.70 |
| 10MHz | 1 RB low | 3705 | 16QAM | 22.13 |
| 10MHz | 1 RB high | 3705 | 16QAM | 21.80 |
| 10MHz | 50% RB mid | 3705 | 16QAM | 20.73 |
| 10MHz | 100% RB | 3705 | 16QAM | 20.66 |
| 10MHz | 1 RB low | 3705 | 64QAM | 21.10 |
| 10MHz | 1 RB high | 3705 | 64QAM | 20.91 |
| 10MHz | 50% RB mid | 3705 | 64QAM | 19.73 |
| 10MHz | 100% RB | 3705 | 64QAM | 19.61 |
| 10MHz | 1 RB low | 3750 | QPSK | 22.82 |
| 10MHz | 1 RB high | 3750 | QPSK | 22.72 |
| 10MHz | 50% RB mid | 3750 | QPSK | 21.91 |
| 10MHz | 100% RB | 3750 | QPSK | 21.86 |
| 10MHz | 1 RB low | 3750 | 16QAM | 22.05 |
| 10MHz | 1 RB high | 3750 | 16QAM | 21.78 |
| 10MHz | 50% RB mid | 3750 | 16QAM | 20.91 |
| 10MHz | 100% RB | 3750 | 16QAM | 20.87 |
| 10MHz | 1 RB low | 3750 | 64QAM | 21.14 |
| 10MHz | 1 RB high | 3750 | 64QAM | 20.96 |
| 10MHz | 50% RB mid | 3750 | 64QAM | 19.92 |
| 10MHz | 100% RB | 3750 | 64QAM | 19.88 |
| 10MHz | 1 RB low | 3795 | QPSK | 21.79 |
| 10MHz | 1 RB high | 3795 | QPSK | 21.92 |
| 10MHz | 50% RB mid | 3795 | QPSK | 20.93 |
| 10MHz | 100% RB | 3795 | QPSK | 20.90 |
| 10MHz | 1 RB low | 3795 | 16QAM | 21.09 |
| 10MHz | 1 RB high | 3795 | 16QAM | 21.23 |
| 10MHz | 50% RB mid | 3795 | 16QAM | 19.89 |
| 10MHz | 100% RB | 3795 | 16QAM | 19.88 |
| 10MHz | 1 RB low | 3795 | 64QAM | 19.92 |
| 10MHz | 1 RB high | 3795 | 64QAM | 19.99 |
| 10MHz | 50% RB mid | 3795 | 64QAM | 18.88 |
| 10MHz | 100% RB | 3795 | 64QAM | 18.88 |
| 15MHz | 1 RB low | 3707.5 | QPSK | 22.57 |
| 15MHz | 1 RB high | 3707.5 | QPSK | 22.14 |
| 15MHz | 50% RB mid | 3707.5 | QPSK | 21.48 |

| | | | | |
|-------|------------|--------|-------|-------|
| 15MHz | 100% RB | 3707.5 | QPSK | 21.43 |
| 15MHz | 1 RB low | 3707.5 | 16QAM | 21.82 |
| 15MHz | 1 RB high | 3707.5 | 16QAM | 21.28 |
| 15MHz | 50% RB mid | 3707.5 | 16QAM | 20.56 |
| 15MHz | 100% RB | 3707.5 | 16QAM | 20.44 |
| 15MHz | 1 RB low | 3707.5 | 64QAM | 20.89 |
| 15MHz | 1 RB high | 3707.5 | 64QAM | 20.46 |
| 15MHz | 50% RB mid | 3707.5 | 64QAM | 19.54 |
| 15MHz | 100% RB | 3707.5 | 64QAM | 19.51 |
| 15MHz | 1 RB low | 3750 | QPSK | 22.48 |
| 15MHz | 1 RB high | 3750 | QPSK | 22.43 |
| 15MHz | 50% RB mid | 3750 | QPSK | 21.75 |
| 15MHz | 100% RB | 3750 | QPSK | 21.71 |
| 15MHz | 1 RB low | 3750 | 16QAM | 21.72 |
| 15MHz | 1 RB high | 3750 | 16QAM | 21.62 |
| 15MHz | 50% RB mid | 3750 | 16QAM | 20.78 |
| 15MHz | 100% RB | 3750 | 16QAM | 20.74 |
| 15MHz | 1 RB low | 3750 | 64QAM | 20.68 |
| 15MHz | 1 RB high | 3750 | 64QAM | 20.69 |
| 15MHz | 50% RB mid | 3750 | 64QAM | 19.80 |
| 15MHz | 100% RB | 3750 | 64QAM | 19.72 |
| 15MHz | 1 RB low | 3792.5 | QPSK | 21.71 |
| 15MHz | 1 RB high | 3792.5 | QPSK | 21.73 |
| 15MHz | 50% RB mid | 3792.5 | QPSK | 20.82 |
| 15MHz | 100% RB | 3792.5 | QPSK | 20.82 |
| 15MHz | 1 RB low | 3792.5 | 16QAM | 20.97 |
| 15MHz | 1 RB high | 3792.5 | 16QAM | 21.06 |
| 15MHz | 50% RB mid | 3792.5 | 16QAM | 19.87 |
| 15MHz | 100% RB | 3792.5 | 16QAM | 19.86 |
| 15MHz | 1 RB low | 3792.5 | 64QAM | 19.88 |
| 15MHz | 1 RB high | 3792.5 | 64QAM | 19.97 |
| 15MHz | 50% RB mid | 3792.5 | 64QAM | 18.87 |
| 15MHz | 100% RB | 3792.5 | 64QAM | 18.86 |
| 20MHz | 1 RB low | 3710 | QPSK | 22.59 |
| 20MHz | 1 RB high | 3710 | QPSK | 22.21 |
| 20MHz | 50% RB mid | 3710 | QPSK | 21.45 |
| 20MHz | 100% RB | 3710 | QPSK | 21.47 |
| 20MHz | 1 RB low | 3710 | 16QAM | 21.79 |
| 20MHz | 1 RB high | 3710 | 16QAM | 21.33 |
| 20MHz | 50% RB mid | 3710 | 16QAM | 20.48 |
| 20MHz | 100% RB | 3710 | 16QAM | 20.49 |
| 20MHz | 1 RB low | 3710 | 64QAM | 20.58 |
| 20MHz | 1 RB high | 3710 | 64QAM | 20.46 |
| 20MHz | 50% RB mid | 3710 | 64QAM | 19.49 |
| 20MHz | 100% RB | 3710 | 64QAM | 19.48 |
| 20MHz | 1 RB low | 3750 | QPSK | 22.56 |
| 20MHz | 1 RB high | 3750 | QPSK | 22.42 |
| 20MHz | 50% RB mid | 3750 | QPSK | 21.77 |
| 20MHz | 100% RB | 3750 | QPSK | 21.75 |
| 20MHz | 1 RB low | 3750 | 16QAM | 21.60 |
| 20MHz | 1 RB high | 3750 | 16QAM | 21.51 |

| | | | | |
|-------|------------|------|-------|-------|
| 20MHz | 50% RB mid | 3750 | 16QAM | 20.81 |
| 20MHz | 100% RB | 3750 | 16QAM | 20.77 |
| 20MHz | 1 RB low | 3750 | 64QAM | 20.81 |
| 20MHz | 1 RB high | 3750 | 64QAM | 20.61 |
| 20MHz | 50% RB mid | 3750 | 64QAM | 19.81 |
| 20MHz | 100% RB | 3750 | 64QAM | 19.75 |
| 20MHz | 1 RB low | 3790 | QPSK | 21.83 |
| 20MHz | 1 RB high | 3790 | QPSK | 21.85 |
| 20MHz | 50% RB mid | 3790 | QPSK | 20.79 |
| 20MHz | 100% RB | 3790 | QPSK | 20.78 |
| 20MHz | 1 RB low | 3790 | 16QAM | 21.10 |
| 20MHz | 1 RB high | 3790 | 16QAM | 21.10 |
| 20MHz | 50% RB mid | 3790 | 16QAM | 19.82 |
| 20MHz | 100% RB | 3790 | 16QAM | 19.82 |
| 20MHz | 1 RB low | 3790 | 64QAM | 19.92 |
| 20MHz | 1 RB high | 3790 | 64QAM | 20.12 |
| 20MHz | 50% RB mid | 3790 | 64QAM | 18.80 |
| 20MHz | 100% RB | 3790 | 64QAM | 18.80 |

LTE BAND 66

| Bandwidth | RB size/offset | Frequency (MHz) | Modulation | Avg Power (dBm) |
|-----------|----------------|-----------------|------------|-----------------|
| 1.4MHz | 1 RB low | 1710.7 | QPSK | 22.06 |
| 1.4MHz | 1 RB mid | 1710.7 | QPSK | 22.06 |
| 1.4MHz | 1 RB high | 1710.7 | QPSK | 22.01 |
| 1.4MHz | 50%,low | 1710.7 | QPSK | 22.10 |
| 1.4MHz | 50% RB mid | 1710.7 | QPSK | 22.10 |
| 1.4MHz | 50%,high | 1710.7 | QPSK | 22.19 |
| 1.4MHz | 100% RB | 1710.7 | QPSK | 21.10 |
| 1.4MHz | 1 RB low | 1710.7 | 16QAM | 21.14 |
| 1.4MHz | 1 RB mid | 1710.7 | 16QAM | 21.23 |
| 1.4MHz | 1 RB high | 1710.7 | 16QAM | 21.17 |
| 1.4MHz | 50%,low | 1710.7 | 16QAM | 22.17 |
| 1.4MHz | 50% RB mid | 1710.7 | 16QAM | 21.20 |
| 1.4MHz | 50%,high | 1710.7 | 16QAM | 22.19 |
| 1.4MHz | 100% RB | 1710.7 | 16QAM | 20.23 |
| 1.4MHz | 1 RB low | 1710.7 | 64QAM | 20.26 |
| 1.4MHz | 1 RB mid | 1710.7 | 64QAM | 20.30 |
| 1.4MHz | 1 RB high | 1710.7 | 64QAM | 20.33 |
| 1.4MHz | 50%,low | 1710.7 | 64QAM | 22.20 |
| 1.4MHz | 50% RB mid | 1710.7 | 64QAM | 20.30 |
| 1.4MHz | 50%,high | 1710.7 | 64QAM | 22.22 |
| 1.4MHz | 100% RB | 1710.7 | 64QAM | 19.18 |
| 1.4MHz | 1 RB low | 1745 | QPSK | 22.00 |
| 1.4MHz | 1 RB mid | 1745 | QPSK | 22.08 |
| 1.4MHz | 1 RB high | 1745 | QPSK | 21.92 |
| 1.4MHz | 50%,low | 1745 | QPSK | 21.91 |
| 1.4MHz | 50% RB mid | 1745 | QPSK | 22.02 |
| 1.4MHz | 50%,high | 1745 | QPSK | 21.92 |
| 1.4MHz | 100% RB | 1745 | QPSK | 20.98 |

| | | | | |
|--------|------------|--------|-------|-------|
| 1.4MHz | 1 RB low | 1745 | 16QAM | 21.07 |
| 1.4MHz | 1 RB mid | 1745 | 16QAM | 21.04 |
| 1.4MHz | 1 RB high | 1745 | 16QAM | 21.00 |
| 1.4MHz | 50%,low | 1745 | 16QAM | 21.99 |
| 1.4MHz | 50% RB mid | 1745 | 16QAM | 21.18 |
| 1.4MHz | 50%,high | 1745 | 16QAM | 21.99 |
| 1.4MHz | 100% RB | 1745 | 16QAM | 20.03 |
| 1.4MHz | 1 RB low | 1745 | 64QAM | 20.11 |
| 1.4MHz | 1 RB mid | 1745 | 64QAM | 20.06 |
| 1.4MHz | 1 RB high | 1745 | 64QAM | 20.00 |
| 1.4MHz | 50%,low | 1745 | 64QAM | 21.95 |
| 1.4MHz | 50% RB mid | 1745 | 64QAM | 20.09 |
| 1.4MHz | 50%,high | 1745 | 64QAM | 21.96 |
| 1.4MHz | 100% RB | 1745 | 64QAM | 19.06 |
| 1.4MHz | 1 RB low | 1779.3 | QPSK | 22.38 |
| 1.4MHz | 1 RB mid | 1779.3 | QPSK | 22.41 |
| 1.4MHz | 1 RB high | 1779.3 | QPSK | 22.36 |
| 1.4MHz | 50%,low | 1779.3 | QPSK | 22.55 |
| 1.4MHz | 50% RB mid | 1779.3 | QPSK | 22.45 |
| 1.4MHz | 50%,high | 1779.3 | QPSK | 22.51 |
| 1.4MHz | 100% RB | 1779.3 | QPSK | 21.43 |
| 1.4MHz | 1 RB low | 1779.3 | 16QAM | 21.67 |
| 1.4MHz | 1 RB mid | 1779.3 | 16QAM | 21.72 |
| 1.4MHz | 1 RB high | 1779.3 | 16QAM | 21.58 |
| 1.4MHz | 50%,low | 1779.3 | 16QAM | 22.50 |
| 1.4MHz | 50% RB mid | 1779.3 | 16QAM | 21.57 |
| 1.4MHz | 50%,high | 1779.3 | 16QAM | 22.53 |
| 1.4MHz | 100% RB | 1779.3 | 16QAM | 20.54 |
| 1.4MHz | 1 RB low | 1779.3 | 64QAM | 20.58 |
| 1.4MHz | 1 RB mid | 1779.3 | 64QAM | 20.64 |
| 1.4MHz | 1 RB high | 1779.3 | 64QAM | 20.68 |
| 1.4MHz | 50%,low | 1779.3 | 64QAM | 22.48 |
| 1.4MHz | 50% RB mid | 1779.3 | 64QAM | 20.61 |
| 1.4MHz | 50%,high | 1779.3 | 64QAM | 22.54 |
| 1.4MHz | 100% RB | 1779.3 | 64QAM | 19.45 |
| 3MHz | 1 RB low | 1711.5 | QPSK | 22.06 |
| 3MHz | 1 RB mid | 1711.5 | QPSK | 22.18 |
| 3MHz | 1 RB high | 1711.5 | QPSK | 22.11 |
| 3MHz | 50%,low | 1711.5 | QPSK | 22.20 |
| 3MHz | 50% RB mid | 1711.5 | QPSK | 21.22 |
| 3MHz | 50%,high | 1711.5 | QPSK | 22.19 |
| 3MHz | 100% RB | 1711.5 | QPSK | 21.21 |
| 3MHz | 1 RB low | 1711.5 | 16QAM | 21.17 |
| 3MHz | 1 RB mid | 1711.5 | 16QAM | 21.37 |
| 3MHz | 1 RB high | 1711.5 | 16QAM | 21.22 |
| 3MHz | 50%,low | 1711.5 | 16QAM | 22.20 |
| 3MHz | 50% RB mid | 1711.5 | 16QAM | 20.36 |
| 3MHz | 50%,high | 1711.5 | 16QAM | 22.19 |
| 3MHz | 100% RB | 1711.5 | 16QAM | 20.27 |
| 3MHz | 1 RB low | 1711.5 | 64QAM | 20.41 |
| 3MHz | 1 RB mid | 1711.5 | 64QAM | 20.55 |

| | | | | |
|------|------------|--------|-------|-------|
| 3MHz | 1 RB high | 1711.5 | 64QAM | 20.40 |
| 3MHz | 50%,low | 1711.5 | 64QAM | 22.21 |
| 3MHz | 50% RB mid | 1711.5 | 64QAM | 19.29 |
| 3MHz | 50%,high | 1711.5 | 64QAM | 22.24 |
| 3MHz | 100% RB | 1711.5 | 64QAM | 19.20 |
| 3MHz | 1 RB low | 1745 | QPSK | 21.95 |
| 3MHz | 1 RB mid | 1745 | QPSK | 22.03 |
| 3MHz | 1 RB high | 1745 | QPSK | 21.95 |
| 3MHz | 50%,low | 1745 | QPSK | 21.78 |
| 3MHz | 50% RB mid | 1745 | QPSK | 21.07 |
| 3MHz | 50%,high | 1745 | QPSK | 21.84 |
| 3MHz | 100% RB | 1745 | QPSK | 21.00 |
| 3MHz | 1 RB low | 1745 | 16QAM | 20.92 |
| 3MHz | 1 RB mid | 1745 | 16QAM | 21.11 |
| 3MHz | 1 RB high | 1745 | 16QAM | 21.09 |
| 3MHz | 50%,low | 1745 | 16QAM | 21.80 |
| 3MHz | 50% RB mid | 1745 | 16QAM | 20.15 |
| 3MHz | 50%,high | 1745 | 16QAM | 21.83 |
| 3MHz | 100% RB | 1745 | 16QAM | 20.02 |
| 3MHz | 1 RB low | 1745 | 64QAM | 20.02 |
| 3MHz | 1 RB mid | 1745 | 64QAM | 20.09 |
| 3MHz | 1 RB high | 1745 | 64QAM | 20.06 |
| 3MHz | 50%,low | 1745 | 64QAM | 21.81 |
| 3MHz | 50% RB mid | 1745 | 64QAM | 19.07 |
| 3MHz | 50%,high | 1745 | 64QAM | 21.83 |
| 3MHz | 100% RB | 1745 | 64QAM | 19.06 |
| 3MHz | 1 RB low | 1778.5 | QPSK | 22.39 |
| 3MHz | 1 RB mid | 1778.5 | QPSK | 22.46 |
| 3MHz | 1 RB high | 1778.5 | QPSK | 22.35 |
| 3MHz | 50%,low | 1778.5 | QPSK | 22.60 |
| 3MHz | 50% RB mid | 1778.5 | QPSK | 21.42 |
| 3MHz | 50%,high | 1778.5 | QPSK | 22.60 |
| 3MHz | 100% RB | 1778.5 | QPSK | 21.39 |
| 3MHz | 1 RB low | 1778.5 | 16QAM | 21.48 |
| 3MHz | 1 RB mid | 1778.5 | 16QAM | 21.61 |
| 3MHz | 1 RB high | 1778.5 | 16QAM | 21.61 |
| 3MHz | 50%,low | 1778.5 | 16QAM | 22.61 |
| 3MHz | 50% RB mid | 1778.5 | 16QAM | 20.47 |
| 3MHz | 50%,high | 1778.5 | 16QAM | 22.61 |
| 3MHz | 100% RB | 1778.5 | 16QAM | 20.43 |
| 3MHz | 1 RB low | 1778.5 | 64QAM | 20.52 |
| 3MHz | 1 RB mid | 1778.5 | 64QAM | 20.72 |
| 3MHz | 1 RB high | 1778.5 | 64QAM | 20.49 |
| 3MHz | 50%,low | 1778.5 | 64QAM | 22.59 |
| 3MHz | 50% RB mid | 1778.5 | 64QAM | 19.42 |
| 3MHz | 50%,high | 1778.5 | 64QAM | 22.56 |
| 3MHz | 100% RB | 1778.5 | 64QAM | 19.42 |
| 5MHz | 1 RB low | 1712.5 | QPSK | 22.14 |
| 5MHz | 1 RB mid | 1712.5 | QPSK | 22.28 |
| 5MHz | 1 RB high | 1712.5 | QPSK | 22.24 |
| 5MHz | 50%,low | 1712.5 | QPSK | 21.22 |

| | | | | |
|------|------------|--------|-------|-------|
| 5MHz | 50% RB mid | 1712.5 | QPSK | 21.23 |
| 5MHz | 50%,high | 1712.5 | QPSK | 21.29 |
| 5MHz | 100% RB | 1712.5 | QPSK | 21.24 |
| 5MHz | 1 RB low | 1712.5 | 16QAM | 21.35 |
| 5MHz | 1 RB mid | 1712.5 | 16QAM | 21.38 |
| 5MHz | 1 RB high | 1712.5 | 16QAM | 21.35 |
| 5MHz | 50%,low | 1712.5 | 16QAM | 20.25 |
| 5MHz | 50% RB mid | 1712.5 | 16QAM | 20.24 |
| 5MHz | 50%,high | 1712.5 | 16QAM | 20.25 |
| 5MHz | 100% RB | 1712.5 | 16QAM | 20.23 |
| 5MHz | 1 RB low | 1712.5 | 64QAM | 20.08 |
| 5MHz | 1 RB mid | 1712.5 | 64QAM | 20.40 |
| 5MHz | 1 RB high | 1712.5 | 64QAM | 20.30 |
| 5MHz | 50%,low | 1712.5 | 64QAM | 19.28 |
| 5MHz | 50% RB mid | 1712.5 | 64QAM | 19.26 |
| 5MHz | 50%,high | 1712.5 | 64QAM | 19.32 |
| 5MHz | 100% RB | 1712.5 | 64QAM | 19.25 |
| 5MHz | 1 RB low | 1745 | QPSK | 22.01 |
| 5MHz | 1 RB mid | 1745 | QPSK | 22.12 |
| 5MHz | 1 RB high | 1745 | QPSK | 22.04 |
| 5MHz | 50%,low | 1745 | QPSK | 20.94 |
| 5MHz | 50% RB mid | 1745 | QPSK | 20.99 |
| 5MHz | 50%,high | 1745 | QPSK | 21.01 |
| 5MHz | 100% RB | 1745 | QPSK | 21.06 |
| 5MHz | 1 RB low | 1745 | 16QAM | 21.13 |
| 5MHz | 1 RB mid | 1745 | 16QAM | 21.18 |
| 5MHz | 1 RB high | 1745 | 16QAM | 21.18 |
| 5MHz | 50%,low | 1745 | 16QAM | 20.08 |
| 5MHz | 50% RB mid | 1745 | 16QAM | 20.06 |
| 5MHz | 50%,high | 1745 | 16QAM | 20.11 |
| 5MHz | 100% RB | 1745 | 16QAM | 20.08 |
| 5MHz | 1 RB low | 1745 | 64QAM | 20.10 |
| 5MHz | 1 RB mid | 1745 | 64QAM | 20.21 |
| 5MHz | 1 RB high | 1745 | 64QAM | 20.07 |
| 5MHz | 50%,low | 1745 | 64QAM | 19.11 |
| 5MHz | 50% RB mid | 1745 | 64QAM | 19.08 |
| 5MHz | 50%,high | 1745 | 64QAM | 19.16 |
| 5MHz | 100% RB | 1745 | 64QAM | 19.04 |
| 5MHz | 1 RB low | 1777.5 | QPSK | 22.48 |
| 5MHz | 1 RB mid | 1777.5 | QPSK | 22.53 |
| 5MHz | 1 RB high | 1777.5 | QPSK | 22.38 |
| 5MHz | 50%,low | 1777.5 | QPSK | 21.42 |
| 5MHz | 50% RB mid | 1777.5 | QPSK | 21.48 |
| 5MHz | 50%,high | 1777.5 | QPSK | 21.44 |
| 5MHz | 100% RB | 1777.5 | QPSK | 21.46 |
| 5MHz | 1 RB low | 1777.5 | 16QAM | 21.68 |
| 5MHz | 1 RB mid | 1777.5 | 16QAM | 21.81 |
| 5MHz | 1 RB high | 1777.5 | 16QAM | 21.63 |
| 5MHz | 50%,low | 1777.5 | 16QAM | 20.45 |
| 5MHz | 50% RB mid | 1777.5 | 16QAM | 20.62 |
| 5MHz | 50%,high | 1777.5 | 16QAM | 20.52 |

| | | | | |
|-------|------------|--------|-------|-------|
| 5MHz | 100% RB | 1777.5 | 16QAM | 20.53 |
| 5MHz | 1 RB low | 1777.5 | 64QAM | 20.56 |
| 5MHz | 1 RB mid | 1777.5 | 64QAM | 20.68 |
| 5MHz | 1 RB high | 1777.5 | 64QAM | 20.68 |
| 5MHz | 50%,low | 1777.5 | 64QAM | 19.47 |
| 5MHz | 50% RB mid | 1777.5 | 64QAM | 19.43 |
| 5MHz | 50%,high | 1777.5 | 64QAM | 19.57 |
| 5MHz | 100% RB | 1777.5 | 64QAM | 19.53 |
| 10MHz | 1 RB low | 1715 | QPSK | 22.07 |
| 10MHz | 1 RB mid | 1715 | QPSK | 22.28 |
| 10MHz | 1 RB high | 1715 | QPSK | 22.32 |
| 10MHz | 50%,low | 1715 | QPSK | 21.21 |
| 10MHz | 50% RB mid | 1715 | QPSK | 21.35 |
| 10MHz | 50%,high | 1715 | QPSK | 21.40 |
| 10MHz | 100% RB | 1715 | QPSK | 21.33 |
| 10MHz | 1 RB low | 1715 | 16QAM | 21.29 |
| 10MHz | 1 RB mid | 1715 | 16QAM | 21.47 |
| 10MHz | 1 RB high | 1715 | 16QAM | 21.56 |
| 10MHz | 50%,low | 1715 | 16QAM | 20.19 |
| 10MHz | 50% RB mid | 1715 | 16QAM | 20.40 |
| 10MHz | 50%,high | 1715 | 16QAM | 20.47 |
| 10MHz | 100% RB | 1715 | 16QAM | 20.35 |
| 10MHz | 1 RB low | 1715 | 64QAM | 20.36 |
| 10MHz | 1 RB mid | 1715 | 64QAM | 20.62 |
| 10MHz | 1 RB high | 1715 | 64QAM | 20.60 |
| 10MHz | 50%,low | 1715 | 64QAM | 19.24 |
| 10MHz | 50% RB mid | 1715 | 64QAM | 19.37 |
| 10MHz | 50%,high | 1715 | 64QAM | 19.41 |
| 10MHz | 100% RB | 1715 | 64QAM | 19.35 |
| 10MHz | 1 RB low | 1745 | QPSK | 22.02 |
| 10MHz | 1 RB mid | 1745 | QPSK | 22.01 |
| 10MHz | 1 RB high | 1745 | QPSK | 22.01 |
| 10MHz | 50%,low | 1745 | QPSK | 21.03 |
| 10MHz | 50% RB mid | 1745 | QPSK | 21.03 |
| 10MHz | 50%,high | 1745 | QPSK | 21.05 |
| 10MHz | 100% RB | 1745 | QPSK | 21.07 |
| 10MHz | 1 RB low | 1745 | 16QAM | 21.17 |
| 10MHz | 1 RB mid | 1745 | 16QAM | 21.15 |
| 10MHz | 1 RB high | 1745 | 16QAM | 21.26 |
| 10MHz | 50%,low | 1745 | 16QAM | 20.03 |
| 10MHz | 50% RB mid | 1745 | 16QAM | 20.07 |
| 10MHz | 50%,high | 1745 | 16QAM | 20.06 |
| 10MHz | 100% RB | 1745 | 16QAM | 20.06 |
| 10MHz | 1 RB low | 1745 | 64QAM | 20.34 |
| 10MHz | 1 RB mid | 1745 | 64QAM | 20.33 |
| 10MHz | 1 RB high | 1745 | 64QAM | 20.31 |
| 10MHz | 50%,low | 1745 | 64QAM | 19.02 |
| 10MHz | 50% RB mid | 1745 | 64QAM | 19.04 |
| 10MHz | 50%,high | 1745 | 64QAM | 19.09 |
| 10MHz | 100% RB | 1745 | 64QAM | 19.09 |
| 10MHz | 1 RB low | 1775 | QPSK | 22.59 |

| | | | | |
|-------|------------|--------|-------|-------|
| 10MHz | 1 RB mid | 1775 | QPSK | 22.51 |
| 10MHz | 1 RB high | 1775 | QPSK | 22.39 |
| 10MHz | 50%,low | 1775 | QPSK | 21.50 |
| 10MHz | 50% RB mid | 1775 | QPSK | 21.46 |
| 10MHz | 50%,high | 1775 | QPSK | 21.49 |
| 10MHz | 100% RB | 1775 | QPSK | 21.41 |
| 10MHz | 1 RB low | 1775 | 16QAM | 21.61 |
| 10MHz | 1 RB mid | 1775 | 16QAM | 21.60 |
| 10MHz | 1 RB high | 1775 | 16QAM | 21.54 |
| 10MHz | 50%,low | 1775 | 16QAM | 20.47 |
| 10MHz | 50% RB mid | 1775 | 16QAM | 20.50 |
| 10MHz | 50%,high | 1775 | 16QAM | 20.51 |
| 10MHz | 100% RB | 1775 | 16QAM | 20.43 |
| 10MHz | 1 RB low | 1775 | 64QAM | 20.56 |
| 10MHz | 1 RB mid | 1775 | 64QAM | 20.63 |
| 10MHz | 1 RB high | 1775 | 64QAM | 20.58 |
| 10MHz | 50%,low | 1775 | 64QAM | 19.54 |
| 10MHz | 50% RB mid | 1775 | 64QAM | 19.53 |
| 10MHz | 50%,high | 1775 | 64QAM | 19.56 |
| 10MHz | 100% RB | 1775 | 64QAM | 19.46 |
| 15MHz | 1 RB low | 1717.5 | QPSK | 21.94 |
| 15MHz | 1 RB mid | 1717.5 | QPSK | 22.16 |
| 15MHz | 1 RB high | 1717.5 | QPSK | 22.25 |
| 15MHz | 50%,low | 1717.5 | QPSK | 21.14 |
| 15MHz | 50% RB mid | 1717.5 | QPSK | 21.28 |
| 15MHz | 50%,high | 1717.5 | QPSK | 21.34 |
| 15MHz | 100% RB | 1717.5 | QPSK | 21.25 |
| 15MHz | 1 RB low | 1717.5 | 16QAM | 21.12 |
| 15MHz | 1 RB mid | 1717.5 | 16QAM | 21.41 |
| 15MHz | 1 RB high | 1717.5 | 16QAM | 21.45 |
| 15MHz | 50%,low | 1717.5 | 16QAM | 20.13 |
| 15MHz | 50% RB mid | 1717.5 | 16QAM | 20.32 |
| 15MHz | 50%,high | 1717.5 | 16QAM | 20.40 |
| 15MHz | 100% RB | 1717.5 | 16QAM | 20.28 |
| 15MHz | 1 RB low | 1717.5 | 64QAM | 20.42 |
| 15MHz | 1 RB mid | 1717.5 | 64QAM | 20.56 |
| 15MHz | 1 RB high | 1717.5 | 64QAM | 20.62 |
| 15MHz | 50%,low | 1717.5 | 64QAM | 19.14 |
| 15MHz | 50% RB mid | 1717.5 | 64QAM | 19.30 |
| 15MHz | 50%,high | 1717.5 | 64QAM | 19.34 |
| 15MHz | 100% RB | 1717.5 | 64QAM | 19.30 |
| 15MHz | 1 RB low | 1745 | QPSK | 21.97 |
| 15MHz | 1 RB mid | 1745 | QPSK | 21.87 |
| 15MHz | 1 RB high | 1745 | QPSK | 22.08 |
| 15MHz | 50%,low | 1745 | QPSK | 20.90 |
| 15MHz | 50% RB mid | 1745 | QPSK | 20.85 |
| 15MHz | 50%,high | 1745 | QPSK | 20.96 |
| 15MHz | 100% RB | 1745 | QPSK | 20.98 |
| 15MHz | 1 RB low | 1745 | 16QAM | 20.99 |
| 15MHz | 1 RB mid | 1745 | 16QAM | 20.92 |
| 15MHz | 1 RB high | 1745 | 16QAM | 21.22 |

| | | | | |
|-------|------------|--------|-------|-------|
| 15MHz | 50%,low | 1745 | 16QAM | 19.90 |
| 15MHz | 50% RB mid | 1745 | 16QAM | 19.88 |
| 15MHz | 50%,high | 1745 | 16QAM | 19.98 |
| 15MHz | 100% RB | 1745 | 16QAM | 19.96 |
| 15MHz | 1 RB low | 1745 | 64QAM | 20.15 |
| 15MHz | 1 RB mid | 1745 | 64QAM | 20.04 |
| 15MHz | 1 RB high | 1745 | 64QAM | 20.22 |
| 15MHz | 50%,low | 1745 | 64QAM | 18.91 |
| 15MHz | 50% RB mid | 1745 | 64QAM | 18.88 |
| 15MHz | 50%,high | 1745 | 64QAM | 18.98 |
| 15MHz | 100% RB | 1745 | 64QAM | 19.00 |
| 15MHz | 1 RB low | 1772.5 | QPSK | 22.37 |
| 15MHz | 1 RB mid | 1772.5 | QPSK | 22.41 |
| 15MHz | 1 RB high | 1772.5 | QPSK | 22.20 |
| 15MHz | 50%,low | 1772.5 | QPSK | 21.43 |
| 15MHz | 50% RB mid | 1772.5 | QPSK | 21.44 |
| 15MHz | 50%,high | 1772.5 | QPSK | 21.42 |
| 15MHz | 100% RB | 1772.5 | QPSK | 21.43 |
| 15MHz | 1 RB low | 1772.5 | 16QAM | 21.60 |
| 15MHz | 1 RB mid | 1772.5 | 16QAM | 21.44 |
| 15MHz | 1 RB high | 1772.5 | 16QAM | 21.34 |
| 15MHz | 50%,low | 1772.5 | 16QAM | 20.42 |
| 15MHz | 50% RB mid | 1772.5 | 16QAM | 20.47 |
| 15MHz | 50%,high | 1772.5 | 16QAM | 20.41 |
| 15MHz | 100% RB | 1772.5 | 16QAM | 20.46 |
| 15MHz | 1 RB low | 1772.5 | 64QAM | 20.53 |
| 15MHz | 1 RB mid | 1772.5 | 64QAM | 20.55 |
| 15MHz | 1 RB high | 1772.5 | 64QAM | 20.42 |
| 15MHz | 50%,low | 1772.5 | 64QAM | 19.41 |
| 15MHz | 50% RB mid | 1772.5 | 64QAM | 19.43 |
| 15MHz | 50%,high | 1772.5 | 64QAM | 19.43 |
| 15MHz | 100% RB | 1772.5 | 64QAM | 19.42 |
| 20MHz | 1 RB low | 1720 | QPSK | 21.99 |
| 20MHz | 1 RB mid | 1720 | QPSK | 22.23 |
| 20MHz | 1 RB high | 1720 | QPSK | 22.19 |
| 20MHz | 50%,low | 1720 | QPSK | 21.13 |
| 20MHz | 50% RB mid | 1720 | QPSK | 21.31 |
| 20MHz | 50%,high | 1720 | QPSK | 21.31 |
| 20MHz | 100% RB | 1720 | QPSK | 21.28 |
| 20MHz | 1 RB low | 1720 | 16QAM | 21.16 |
| 20MHz | 1 RB mid | 1720 | 16QAM | 21.41 |
| 20MHz | 1 RB high | 1720 | 16QAM | 21.14 |
| 20MHz | 50%,low | 1720 | 16QAM | 20.20 |
| 20MHz | 50% RB mid | 1720 | 16QAM | 20.34 |
| 20MHz | 50%,high | 1720 | 16QAM | 20.35 |
| 20MHz | 100% RB | 1720 | 16QAM | 20.32 |
| 20MHz | 1 RB low | 1720 | 64QAM | 20.23 |
| 20MHz | 1 RB mid | 1720 | 64QAM | 20.49 |
| 20MHz | 1 RB high | 1720 | 64QAM | 20.35 |
| 20MHz | 50%,low | 1720 | 64QAM | 19.16 |
| 20MHz | 50% RB mid | 1720 | 64QAM | 19.30 |

| | | | | |
|-------|------------|------|-------|-------|
| 20MHz | 50%,high | 1720 | 64QAM | 19.32 |
| 20MHz | 100% RB | 1720 | 64QAM | 19.30 |
| 20MHz | 1 RB low | 1745 | QPSK | 22.02 |
| 20MHz | 1 RB mid | 1745 | QPSK | 21.86 |
| 20MHz | 1 RB high | 1745 | QPSK | 21.99 |
| 20MHz | 50%,low | 1745 | QPSK | 20.94 |
| 20MHz | 50% RB mid | 1745 | QPSK | 20.96 |
| 20MHz | 50%,high | 1745 | QPSK | 21.00 |
| 20MHz | 100% RB | 1745 | QPSK | 21.02 |
| 20MHz | 1 RB low | 1745 | 16QAM | 21.33 |
| 20MHz | 1 RB mid | 1745 | 16QAM | 21.19 |
| 20MHz | 1 RB high | 1745 | 16QAM | 21.34 |
| 20MHz | 50%,low | 1745 | 16QAM | 19.95 |
| 20MHz | 50% RB mid | 1745 | 16QAM | 19.98 |
| 20MHz | 50%,high | 1745 | 16QAM | 19.96 |
| 20MHz | 100% RB | 1745 | 16QAM | 19.98 |
| 20MHz | 1 RB low | 1745 | 64QAM | 20.42 |
| 20MHz | 1 RB mid | 1745 | 64QAM | 20.13 |
| 20MHz | 1 RB high | 1745 | 64QAM | 20.30 |
| 20MHz | 50%,low | 1745 | 64QAM | 18.94 |
| 20MHz | 50% RB mid | 1745 | 64QAM | 18.95 |
| 20MHz | 50%,high | 1745 | 64QAM | 18.97 |
| 20MHz | 100% RB | 1745 | 64QAM | 18.98 |
| 20MHz | 1 RB low | 1770 | QPSK | 22.34 |
| 20MHz | 1 RB mid | 1770 | QPSK | 22.41 |
| 20MHz | 1 RB high | 1770 | QPSK | 22.25 |
| 20MHz | 50%,low | 1770 | QPSK | 21.39 |
| 20MHz | 50% RB mid | 1770 | QPSK | 21.38 |
| 20MHz | 50%,high | 1770 | QPSK | 21.38 |
| 20MHz | 100% RB | 1770 | QPSK | 21.34 |
| 20MHz | 1 RB low | 1770 | 16QAM | 21.49 |
| 20MHz | 1 RB mid | 1770 | 16QAM | 21.59 |
| 20MHz | 1 RB high | 1770 | 16QAM | 21.43 |
| 20MHz | 50%,low | 1770 | 16QAM | 20.38 |
| 20MHz | 50% RB mid | 1770 | 16QAM | 20.36 |
| 20MHz | 50%,high | 1770 | 16QAM | 20.39 |
| 20MHz | 100% RB | 1770 | 16QAM | 20.32 |
| 20MHz | 1 RB low | 1770 | 64QAM | 20.57 |
| 20MHz | 1 RB mid | 1770 | 64QAM | 20.68 |
| 20MHz | 1 RB high | 1770 | 64QAM | 20.30 |
| 20MHz | 50%,low | 1770 | 64QAM | 19.37 |
| 20MHz | 50% RB mid | 1770 | 64QAM | 19.37 |
| 20MHz | 50%,high | 1770 | 64QAM | 19.40 |
| 20MHz | 100% RB | 1770 | 64QAM | 19.33 |

LTE BAND 71

| Bandwidth | RB size/offset | Frequency (MHz) | Modulation | Avg Power (dBm) |
|-----------|----------------|-----------------|------------|-----------------|
| 5MHz | 1 RB low | 665.5 | QPSK | 22.52 |
| 5MHz | 1 RB mid | 665.5 | QPSK | 22.55 |
| 5MHz | 1 RB high | 665.5 | QPSK | 22.35 |
| 5MHz | 50%,low | 665.5 | QPSK | 21.41 |

| | | | | |
|------|------------|-------|-------|-------|
| 5MHz | 50% RB mid | 665.5 | QPSK | 21.52 |
| 5MHz | 50%,high | 665.5 | QPSK | 21.47 |
| 5MHz | 100% RB | 665.5 | QPSK | 21.48 |
| 5MHz | 1 RB low | 665.5 | 16QAM | 21.57 |
| 5MHz | 1 RB mid | 665.5 | 16QAM | 21.70 |
| 5MHz | 1 RB high | 665.5 | 16QAM | 21.50 |
| 5MHz | 50%,low | 665.5 | 16QAM | 20.47 |
| 5MHz | 50% RB mid | 665.5 | 16QAM | 20.51 |
| 5MHz | 50%,high | 665.5 | 16QAM | 20.49 |
| 5MHz | 100% RB | 665.5 | 16QAM | 20.52 |
| 5MHz | 1 RB low | 665.5 | 64QAM | 20.64 |
| 5MHz | 1 RB mid | 665.5 | 64QAM | 20.57 |
| 5MHz | 1 RB high | 665.5 | 64QAM | 20.54 |
| 5MHz | 50%,low | 665.5 | 64QAM | 19.40 |
| 5MHz | 50% RB mid | 665.5 | 64QAM | 19.49 |
| 5MHz | 50%,high | 665.5 | 64QAM | 19.52 |
| 5MHz | 100% RB | 665.5 | 64QAM | 19.48 |
| 5MHz | 1 RB low | 680.5 | QPSK | 22.47 |
| 5MHz | 1 RB mid | 680.5 | QPSK | 22.60 |
| 5MHz | 1 RB high | 680.5 | QPSK | 22.44 |
| 5MHz | 50%,low | 680.5 | QPSK | 21.45 |
| 5MHz | 50% RB mid | 680.5 | QPSK | 21.47 |
| 5MHz | 50%,high | 680.5 | QPSK | 21.52 |
| 5MHz | 100% RB | 680.5 | QPSK | 21.42 |
| 5MHz | 1 RB low | 680.5 | 16QAM | 21.76 |
| 5MHz | 1 RB mid | 680.5 | 16QAM | 21.77 |
| 5MHz | 1 RB high | 680.5 | 16QAM | 21.71 |
| 5MHz | 50%,low | 680.5 | 16QAM | 20.57 |
| 5MHz | 50% RB mid | 680.5 | 16QAM | 20.60 |
| 5MHz | 50%,high | 680.5 | 16QAM | 20.51 |
| 5MHz | 100% RB | 680.5 | 16QAM | 20.44 |
| 5MHz | 1 RB low | 680.5 | 64QAM | 20.54 |
| 5MHz | 1 RB mid | 680.5 | 64QAM | 20.74 |
| 5MHz | 1 RB high | 680.5 | 64QAM | 20.54 |
| 5MHz | 50%,low | 680.5 | 64QAM | 19.47 |
| 5MHz | 50% RB mid | 680.5 | 64QAM | 19.62 |
| 5MHz | 50%,high | 680.5 | 64QAM | 19.52 |
| 5MHz | 100% RB | 680.5 | 64QAM | 19.49 |
| 5MHz | 1 RB low | 695.5 | QPSK | 22.48 |
| 5MHz | 1 RB mid | 695.5 | QPSK | 22.64 |
| 5MHz | 1 RB high | 695.5 | QPSK | 22.48 |
| 5MHz | 50%,low | 695.5 | QPSK | 21.45 |
| 5MHz | 50% RB mid | 695.5 | QPSK | 21.49 |
| 5MHz | 50%,high | 695.5 | QPSK | 21.56 |
| 5MHz | 100% RB | 695.5 | QPSK | 21.49 |
| 5MHz | 1 RB low | 695.5 | 16QAM | 21.52 |
| 5MHz | 1 RB mid | 695.5 | 16QAM | 21.68 |
| 5MHz | 1 RB high | 695.5 | 16QAM | 21.57 |
| 5MHz | 50%,low | 695.5 | 16QAM | 20.53 |
| 5MHz | 50% RB mid | 695.5 | 16QAM | 20.53 |
| 5MHz | 50%,high | 695.5 | 16QAM | 20.57 |

| | | | | |
|-------|------------|-------|-------|-------|
| 5MHz | 100% RB | 695.5 | 16QAM | 20.51 |
| 5MHz | 1 RB low | 695.5 | 64QAM | 20.62 |
| 5MHz | 1 RB mid | 695.5 | 64QAM | 20.58 |
| 5MHz | 1 RB high | 695.5 | 64QAM | 20.51 |
| 5MHz | 50%,low | 695.5 | 64QAM | 19.45 |
| 5MHz | 50% RB mid | 695.5 | 64QAM | 19.53 |
| 5MHz | 50%,high | 695.5 | 64QAM | 19.56 |
| 5MHz | 100% RB | 695.5 | 64QAM | 19.46 |
| 10MHz | 1 RB low | 668 | QPSK | 22.27 |
| 10MHz | 1 RB mid | 668 | QPSK | 22.31 |
| 10MHz | 1 RB high | 668 | QPSK | 22.17 |
| 10MHz | 50%,low | 668 | QPSK | 21.37 |
| 10MHz | 50% RB mid | 668 | QPSK | 21.39 |
| 10MHz | 50%,high | 668 | QPSK | 21.23 |
| 10MHz | 100% RB | 668 | QPSK | 21.36 |
| 10MHz | 1 RB low | 668 | 16QAM | 21.49 |
| 10MHz | 1 RB mid | 668 | 16QAM | 21.49 |
| 10MHz | 1 RB high | 668 | 16QAM | 21.43 |
| 10MHz | 50%,low | 668 | 16QAM | 20.43 |
| 10MHz | 50% RB mid | 668 | 16QAM | 20.45 |
| 10MHz | 50%,high | 668 | 16QAM | 20.29 |
| 10MHz | 100% RB | 668 | 16QAM | 20.35 |
| 10MHz | 1 RB low | 668 | 64QAM | 20.64 |
| 10MHz | 1 RB mid | 668 | 64QAM | 20.64 |
| 10MHz | 1 RB high | 668 | 64QAM | 20.50 |
| 10MHz | 50%,low | 668 | 64QAM | 19.40 |
| 10MHz | 50% RB mid | 668 | 64QAM | 19.40 |
| 10MHz | 50%,high | 668 | 64QAM | 19.27 |
| 10MHz | 100% RB | 668 | 64QAM | 19.37 |
| 10MHz | 1 RB low | 680.5 | QPSK | 22.37 |
| 10MHz | 1 RB mid | 680.5 | QPSK | 22.52 |
| 10MHz | 1 RB high | 680.5 | QPSK | 22.27 |
| 10MHz | 50%,low | 680.5 | QPSK | 21.39 |
| 10MHz | 50% RB mid | 680.5 | QPSK | 21.41 |
| 10MHz | 50%,high | 680.5 | QPSK | 21.41 |
| 10MHz | 100% RB | 680.5 | QPSK | 21.44 |
| 10MHz | 1 RB low | 680.5 | 16QAM | 21.56 |
| 10MHz | 1 RB mid | 680.5 | 16QAM | 21.59 |
| 10MHz | 1 RB high | 680.5 | 16QAM | 21.39 |
| 10MHz | 50%,low | 680.5 | 16QAM | 20.45 |
| 10MHz | 50% RB mid | 680.5 | 16QAM | 20.43 |
| 10MHz | 50%,high | 680.5 | 16QAM | 20.46 |
| 10MHz | 100% RB | 680.5 | 16QAM | 20.43 |
| 10MHz | 1 RB low | 680.5 | 64QAM | 20.48 |
| 10MHz | 1 RB mid | 680.5 | 64QAM | 20.53 |
| 10MHz | 1 RB high | 680.5 | 64QAM | 20.41 |
| 10MHz | 50%,low | 680.5 | 64QAM | 19.47 |
| 10MHz | 50% RB mid | 680.5 | 64QAM | 19.42 |
| 10MHz | 50%,high | 680.5 | 64QAM | 19.48 |
| 10MHz | 100% RB | 680.5 | 64QAM | 19.39 |
| 10MHz | 1 RB low | 693 | QPSK | 22.43 |

| | | | | |
|-------|------------|-------|-------|-------|
| 10MHz | 1 RB mid | 693 | QPSK | 22.44 |
| 10MHz | 1 RB high | 693 | QPSK | 22.44 |
| 10MHz | 50%,low | 693 | QPSK | 21.36 |
| 10MHz | 50% RB mid | 693 | QPSK | 21.39 |
| 10MHz | 50%,high | 693 | QPSK | 21.51 |
| 10MHz | 100% RB | 693 | QPSK | 21.48 |
| 10MHz | 1 RB low | 693 | 16QAM | 21.59 |
| 10MHz | 1 RB mid | 693 | 16QAM | 21.68 |
| 10MHz | 1 RB high | 693 | 16QAM | 21.46 |
| 10MHz | 50%,low | 693 | 16QAM | 20.39 |
| 10MHz | 50% RB mid | 693 | 16QAM | 20.40 |
| 10MHz | 50%,high | 693 | 16QAM | 20.48 |
| 10MHz | 100% RB | 693 | 16QAM | 20.49 |
| 10MHz | 1 RB low | 693 | 64QAM | 20.61 |
| 10MHz | 1 RB mid | 693 | 64QAM | 20.62 |
| 10MHz | 1 RB high | 693 | 64QAM | 20.75 |
| 10MHz | 50%,low | 693 | 64QAM | 19.35 |
| 10MHz | 50% RB mid | 693 | 64QAM | 19.40 |
| 10MHz | 50%,high | 693 | 64QAM | 19.50 |
| 10MHz | 100% RB | 693 | 64QAM | 19.47 |
| 15MHz | 1 RB low | 670.5 | QPSK | 22.14 |
| 15MHz | 1 RB mid | 670.5 | QPSK | 22.04 |
| 15MHz | 1 RB high | 670.5 | QPSK | 22.11 |
| 15MHz | 50%,low | 670.5 | QPSK | 21.20 |
| 15MHz | 50% RB mid | 670.5 | QPSK | 21.18 |
| 15MHz | 50%,high | 670.5 | QPSK | 21.10 |
| 15MHz | 100% RB | 670.5 | QPSK | 21.30 |
| 15MHz | 1 RB low | 670.5 | 16QAM | 21.36 |
| 15MHz | 1 RB mid | 670.5 | 16QAM | 21.27 |
| 15MHz | 1 RB high | 670.5 | 16QAM | 21.25 |
| 15MHz | 50%,low | 670.5 | 16QAM | 20.21 |
| 15MHz | 50% RB mid | 670.5 | 16QAM | 20.12 |
| 15MHz | 50%,high | 670.5 | 16QAM | 20.15 |
| 15MHz | 100% RB | 670.5 | 16QAM | 20.23 |
| 15MHz | 1 RB low | 670.5 | 64QAM | 20.56 |
| 15MHz | 1 RB mid | 670.5 | 64QAM | 20.42 |
| 15MHz | 1 RB high | 670.5 | 64QAM | 20.44 |
| 15MHz | 50%,low | 670.5 | 64QAM | 19.20 |
| 15MHz | 50% RB mid | 670.5 | 64QAM | 19.16 |
| 15MHz | 50%,high | 670.5 | 64QAM | 19.09 |
| 15MHz | 100% RB | 670.5 | 64QAM | 19.24 |
| 15MHz | 1 RB low | 680.5 | QPSK | 22.06 |
| 15MHz | 1 RB mid | 680.5 | QPSK | 22.31 |
| 15MHz | 1 RB high | 680.5 | QPSK | 22.07 |
| 15MHz | 50%,low | 680.5 | QPSK | 21.28 |
| 15MHz | 50% RB mid | 680.5 | QPSK | 21.31 |
| 15MHz | 50%,high | 680.5 | QPSK | 21.24 |
| 15MHz | 100% RB | 680.5 | QPSK | 21.30 |
| 15MHz | 1 RB low | 680.5 | 16QAM | 21.15 |
| 15MHz | 1 RB mid | 680.5 | 16QAM | 21.47 |
| 15MHz | 1 RB high | 680.5 | 16QAM | 21.32 |

| | | | | |
|-------|------------|-------|-------|-------|
| 15MHz | 50%,low | 680.5 | 16QAM | 20.28 |
| 15MHz | 50% RB mid | 680.5 | 16QAM | 20.26 |
| 15MHz | 50%,high | 680.5 | 16QAM | 20.22 |
| 15MHz | 100% RB | 680.5 | 16QAM | 20.33 |
| 15MHz | 1 RB low | 680.5 | 64QAM | 20.23 |
| 15MHz | 1 RB mid | 680.5 | 64QAM | 20.48 |
| 15MHz | 1 RB high | 680.5 | 64QAM | 20.30 |
| 15MHz | 50%,low | 680.5 | 64QAM | 19.29 |
| 15MHz | 50% RB mid | 680.5 | 64QAM | 19.28 |
| 15MHz | 50%,high | 680.5 | 64QAM | 19.23 |
| 15MHz | 100% RB | 680.5 | 64QAM | 19.26 |
| 15MHz | 1 RB low | 690.5 | QPSK | 22.27 |
| 15MHz | 1 RB mid | 690.5 | QPSK | 22.16 |
| 15MHz | 1 RB high | 690.5 | QPSK | 22.24 |
| 15MHz | 50%,low | 690.5 | QPSK | 21.26 |
| 15MHz | 50% RB mid | 690.5 | QPSK | 21.18 |
| 15MHz | 50%,high | 690.5 | QPSK | 21.25 |
| 15MHz | 100% RB | 690.5 | QPSK | 21.32 |
| 15MHz | 1 RB low | 690.5 | 16QAM | 21.44 |
| 15MHz | 1 RB mid | 690.5 | 16QAM | 21.28 |
| 15MHz | 1 RB high | 690.5 | 16QAM | 21.33 |
| 15MHz | 50%,low | 690.5 | 16QAM | 20.29 |
| 15MHz | 50% RB mid | 690.5 | 16QAM | 20.19 |
| 15MHz | 50%,high | 690.5 | 16QAM | 20.28 |
| 15MHz | 100% RB | 690.5 | 16QAM | 20.34 |
| 15MHz | 1 RB low | 690.5 | 64QAM | 20.47 |
| 15MHz | 1 RB mid | 690.5 | 64QAM | 20.37 |
| 15MHz | 1 RB high | 690.5 | 64QAM | 20.50 |
| 15MHz | 50%,low | 690.5 | 64QAM | 19.24 |
| 15MHz | 50% RB mid | 690.5 | 64QAM | 19.21 |
| 15MHz | 50%,high | 690.5 | 64QAM | 19.22 |
| 15MHz | 100% RB | 690.5 | 64QAM | 19.32 |
| 20MHz | 1 RB low | 673 | QPSK | 22.24 |
| 20MHz | 1 RB mid | 673 | QPSK | 22.12 |
| 20MHz | 1 RB high | 673 | QPSK | 22.33 |
| 20MHz | 50%,low | 673 | QPSK | 21.18 |
| 20MHz | 50% RB mid | 673 | QPSK | 21.17 |
| 20MHz | 50%,high | 673 | QPSK | 21.32 |
| 20MHz | 100% RB | 673 | QPSK | 21.32 |
| 20MHz | 1 RB low | 673 | 16QAM | 21.44 |
| 20MHz | 1 RB mid | 673 | 16QAM | 21.37 |
| 20MHz | 1 RB high | 673 | 16QAM | 21.30 |
| 20MHz | 50%,low | 673 | 16QAM | 20.19 |
| 20MHz | 50% RB mid | 673 | 16QAM | 20.25 |
| 20MHz | 50%,high | 673 | 16QAM | 20.32 |
| 20MHz | 100% RB | 673 | 16QAM | 20.29 |
| 20MHz | 1 RB low | 673 | 64QAM | 20.30 |
| 20MHz | 1 RB mid | 673 | 64QAM | 20.19 |
| 20MHz | 1 RB high | 673 | 64QAM | 20.35 |
| 20MHz | 50%,low | 673 | 64QAM | 19.16 |
| 20MHz | 50% RB mid | 673 | 64QAM | 19.21 |

| | | | | |
|-------|------------|-----|-------|-------|
| 20MHz | 50%,high | 673 | 64QAM | 19.25 |
| 20MHz | 100% RB | 673 | 64QAM | 19.27 |
| 20MHz | 1 RB low | 683 | QPSK | 22.06 |
| 20MHz | 1 RB mid | 683 | QPSK | 22.30 |
| 20MHz | 1 RB high | 683 | QPSK | 22.04 |
| 20MHz | 50%,low | 683 | QPSK | 21.38 |
| 20MHz | 50% RB mid | 683 | QPSK | 21.26 |
| 20MHz | 50%,high | 683 | QPSK | 21.26 |
| 20MHz | 100% RB | 683 | QPSK | 21.25 |
| 20MHz | 1 RB low | 683 | 16QAM | 21.08 |
| 20MHz | 1 RB mid | 683 | 16QAM | 21.31 |
| 20MHz | 1 RB high | 683 | 16QAM | 21.18 |
| 20MHz | 50%,low | 683 | 16QAM | 20.33 |
| 20MHz | 50% RB mid | 683 | 16QAM | 20.28 |
| 20MHz | 50%,high | 683 | 16QAM | 20.17 |
| 20MHz | 100% RB | 683 | 16QAM | 20.26 |
| 20MHz | 1 RB low | 683 | 64QAM | 20.14 |
| 20MHz | 1 RB mid | 683 | 64QAM | 20.47 |
| 20MHz | 1 RB high | 683 | 64QAM | 20.27 |
| 20MHz | 50%,low | 683 | 64QAM | 19.31 |
| 20MHz | 50% RB mid | 683 | 64QAM | 19.28 |
| 20MHz | 50%,high | 683 | 64QAM | 19.14 |
| 20MHz | 100% RB | 683 | 64QAM | 19.29 |
| 20MHz | 1 RB low | 688 | QPSK | 22.37 |
| 20MHz | 1 RB mid | 688 | QPSK | 22.19 |
| 20MHz | 1 RB high | 688 | QPSK | 22.23 |
| 20MHz | 50%,low | 688 | QPSK | 21.33 |
| 20MHz | 50% RB mid | 688 | QPSK | 21.35 |
| 20MHz | 50%,high | 688 | QPSK | 21.25 |
| 20MHz | 100% RB | 688 | QPSK | 21.29 |
| 20MHz | 1 RB low | 688 | 16QAM | 21.56 |
| 20MHz | 1 RB mid | 688 | 16QAM | 21.57 |
| 20MHz | 1 RB high | 688 | 16QAM | 21.55 |
| 20MHz | 50%,low | 688 | 16QAM | 20.31 |
| 20MHz | 50% RB mid | 688 | 16QAM | 20.34 |
| 20MHz | 50%,high | 688 | 16QAM | 20.22 |
| 20MHz | 100% RB | 688 | 16QAM | 20.29 |
| 20MHz | 1 RB low | 688 | 64QAM | 20.45 |
| 20MHz | 1 RB mid | 688 | 64QAM | 20.32 |
| 20MHz | 1 RB high | 688 | 64QAM | 20.43 |
| 20MHz | 50%,low | 688 | 64QAM | 19.28 |
| 20MHz | 50% RB mid | 688 | 64QAM | 19.28 |
| 20MHz | 50%,high | 688 | 64QAM | 19.24 |
| 20MHz | 100% RB | 688 | 64QAM | 19.30 |

LTE 2C

| Bandwidth | Frequency(MHz) | Frequency(MHz) | Modulation | PCC RB | | SCC RB | | Conducted Power(dBm) |
|------------|----------------|----------------|------------|--------|--------|--------|--------|----------------------|
| | | | | Size | Offset | Size | Offset | |
| 5MHz/20MHz | 1853.3 | 1865 | QPSK | 25 | 0 | 100 | 0 | 21.43 |
| 5MHz/20MHz | 1853.3 | 1865 | QPSK | 1 | 24 | 1 | 0 | 23.40 |
| 5MHz/20MHz | 1853.3 | 1865 | 16QAM | 25 | 0 | 100 | 0 | 20.48 |
| 5MHz/20MHz | 1853.3 | 1865 | 16QAM | 1 | 24 | 1 | 0 | 22.38 |

| Bandwidth | Frequency(MHz) | Frequency(MHz) | Modulation | PCC RB | | SCC RB | | Conducted Power(dBm) |
|-------------|----------------|----------------|------------|--------|--------|--------|--------|----------------------|
| | | | | Size | Offset | Size | Offset | |
| 5MHz/20MHz | 1853.3 | 1865 | 64QAM | 25 | 0 | 100 | 0 | 20.51 |
| 5MHz/20MHz | 1853.3 | 1865 | 64QAM | 1 | 24 | 1 | 0 | 21.42 |
| 5MHz/20MHz | 1870.8 | 1882.5 | QPSK | 25 | 0 | 100 | 0 | 21.42 |
| 5MHz/20MHz | 1870.8 | 1882.5 | QPSK | 1 | 24 | 1 | 0 | 23.36 |
| 5MHz/20MHz | 1870.8 | 1882.5 | 16QAM | 25 | 0 | 100 | 0 | 20.43 |
| 5MHz/20MHz | 1870.8 | 1882.5 | 16QAM | 1 | 24 | 1 | 0 | 22.47 |
| 5MHz/20MHz | 1870.8 | 1882.5 | 64QAM | 25 | 0 | 100 | 0 | 20.60 |
| 5MHz/20MHz | 1870.8 | 1882.5 | 64QAM | 1 | 24 | 1 | 0 | 21.38 |
| 5MHz/20MHz | 1888.3 | 1900 | QPSK | 25 | 0 | 100 | 0 | 21.48 |
| 5MHz/20MHz | 1888.3 | 1900 | QPSK | 1 | 24 | 1 | 0 | 23.46 |
| 5MHz/20MHz | 1888.3 | 1900 | 16QAM | 25 | 0 | 100 | 0 | 20.58 |
| 5MHz/20MHz | 1888.3 | 1900 | 16QAM | 1 | 24 | 1 | 0 | 22.48 |
| 5MHz/20MHz | 1888.3 | 1900 | 64QAM | 25 | 0 | 100 | 0 | 20.44 |
| 5MHz/20MHz | 1888.3 | 1900 | 64QAM | 1 | 24 | 1 | 0 | 21.52 |
| 10MHz/15MHz | 1855.3 | 1867.3 | QPSK | 50 | 0 | 75 | 0 | 21.47 |
| 10MHz/15MHz | 1855.3 | 1867.3 | QPSK | 1 | 49 | 1 | 0 | 23.42 |
| 10MHz/15MHz | 1855.3 | 1867.3 | 16QAM | 50 | 0 | 75 | 0 | 20.51 |
| 10MHz/15MHz | 1855.3 | 1867.3 | 16QAM | 1 | 49 | 1 | 0 | 22.34 |
| 10MHz/15MHz | 1855.3 | 1867.3 | 64QAM | 50 | 0 | 75 | 0 | 20.53 |
| 10MHz/15MHz | 1855.3 | 1867.3 | 64QAM | 1 | 49 | 1 | 0 | 21.56 |
| 10MHz/15MHz | 1872.9 | 1884.9 | QPSK | 50 | 0 | 75 | 0 | 21.51 |
| 10MHz/15MHz | 1872.9 | 1884.9 | QPSK | 1 | 49 | 1 | 0 | 23.45 |
| 10MHz/15MHz | 1872.9 | 1884.9 | 16QAM | 50 | 0 | 75 | 0 | 20.53 |
| 10MHz/15MHz | 1872.9 | 1884.9 | 16QAM | 1 | 49 | 1 | 0 | 22.45 |
| 10MHz/15MHz | 1872.9 | 1884.9 | 64QAM | 50 | 0 | 75 | 0 | 20.56 |
| 10MHz/15MHz | 1872.9 | 1884.9 | 64QAM | 1 | 49 | 1 | 0 | 21.53 |
| 10MHz/15MHz | 1890.5 | 1902.5 | QPSK | 50 | 0 | 75 | 0 | 21.47 |
| 10MHz/15MHz | 1890.5 | 1902.5 | QPSK | 1 | 49 | 1 | 0 | 23.44 |
| 10MHz/15MHz | 1890.5 | 1902.5 | 16QAM | 50 | 0 | 75 | 0 | 20.50 |
| 10MHz/15MHz | 1890.5 | 1902.5 | 16QAM | 1 | 49 | 1 | 0 | 22.45 |
| 10MHz/15MHz | 1890.5 | 1902.5 | 64QAM | 50 | 0 | 75 | 0 | 20.53 |
| 10MHz/15MHz | 1890.5 | 1902.5 | 64QAM | 1 | 49 | 1 | 0 | 21.52 |
| 10MHz/20MHz | 1855.5 | 1869.9 | QPSK | 50 | 0 | 100 | 0 | 21.51 |
| 10MHz/20MHz | 1855.5 | 1869.9 | QPSK | 1 | 49 | 1 | 0 | 23.42 |
| 10MHz/20MHz | 1855.5 | 1869.9 | 16QAM | 50 | 0 | 100 | 0 | 20.59 |
| 10MHz/20MHz | 1855.5 | 1869.9 | 16QAM | 1 | 49 | 1 | 0 | 22.41 |
| 10MHz/20MHz | 1855.5 | 1869.9 | 64QAM | 50 | 0 | 100 | 0 | 20.56 |
| 10MHz/20MHz | 1855.5 | 1869.9 | 64QAM | 1 | 49 | 1 | 0 | 21.55 |
| 10MHz/20MHz | 1870.6 | 1885 | QPSK | 50 | 0 | 100 | 0 | 21.48 |
| 10MHz/20MHz | 1870.6 | 1885 | QPSK | 1 | 49 | 1 | 0 | 23.41 |
| 10MHz/20MHz | 1870.6 | 1885 | 16QAM | 50 | 0 | 100 | 0 | 20.50 |
| 10MHz/20MHz | 1870.6 | 1885 | 16QAM | 1 | 49 | 1 | 0 | 22.43 |
| 10MHz/20MHz | 1870.6 | 1885 | 64QAM | 50 | 0 | 100 | 0 | 20.52 |
| 10MHz/20MHz | 1870.6 | 1885 | 64QAM | 1 | 49 | 1 | 0 | 21.42 |
| 10MHz/20MHz | 1885.6 | 1900 | QPSK | 50 | 0 | 100 | 0 | 21.46 |
| 10MHz/20MHz | 1885.6 | 1900 | QPSK | 1 | 49 | 1 | 0 | 23.40 |
| 10MHz/20MHz | 1885.6 | 1900 | 16QAM | 50 | 0 | 100 | 0 | 20.48 |
| 10MHz/20MHz | 1885.6 | 1900 | 16QAM | 1 | 49 | 1 | 0 | 22.37 |
| 10MHz/20MHz | 1885.6 | 1900 | 64QAM | 50 | 0 | 100 | 0 | 20.52 |
| 10MHz/20MHz | 1885.6 | 1900 | 64QAM | 1 | 49 | 1 | 0 | 21.48 |
| 15MHz/10MHz | 1857.5 | 1869.5 | QPSK | 75 | 0 | 50 | 0 | 21.42 |
| 15MHz/10MHz | 1857.5 | 1869.5 | QPSK | 1 | 74 | 1 | 0 | 23.40 |
| 15MHz/10MHz | 1857.5 | 1869.5 | 16QAM | 75 | 0 | 50 | 0 | 20.51 |
| 15MHz/10MHz | 1857.5 | 1869.5 | 16QAM | 1 | 74 | 1 | 0 | 22.41 |
| 15MHz/10MHz | 1857.5 | 1869.5 | 64QAM | 75 | 0 | 50 | 0 | 20.54 |
| 15MHz/10MHz | 1857.5 | 1869.5 | 64QAM | 1 | 74 | 1 | 0 | 21.61 |
| 15MHz/10MHz | 1875.1 | 1887.1 | QPSK | 75 | 0 | 50 | 0 | 21.43 |

| Bandwidth | Frequency(MHz) | Frequency(MHz) | Modulation | PCC RB | | SCC RB | | Conducted Power(dBm) |
|-------------|----------------|----------------|------------|--------|--------|--------|--------|----------------------|
| | | | | Size | Offset | Size | Offset | |
| 15MHz/10MHz | 1875.1 | 1887.1 | QPSK | 1 | 74 | 1 | 0 | 23.28 |
| 15MHz/10MHz | 1875.1 | 1887.1 | 16QAM | 75 | 0 | 50 | 0 | 20.40 |
| 15MHz/10MHz | 1875.1 | 1887.1 | 16QAM | 1 | 74 | 1 | 0 | 22.37 |
| 15MHz/10MHz | 1875.1 | 1887.1 | 64QAM | 75 | 0 | 50 | 0 | 20.51 |
| 15MHz/10MHz | 1875.1 | 1887.1 | 64QAM | 1 | 74 | 1 | 0 | 21.39 |
| 15MHz/10MHz | 1892.7 | 1904.7 | QPSK | 75 | 0 | 50 | 0 | 21.42 |
| 15MHz/10MHz | 1892.7 | 1904.7 | QPSK | 1 | 74 | 1 | 0 | 23.37 |
| 15MHz/10MHz | 1892.7 | 1904.7 | 16QAM | 75 | 0 | 50 | 0 | 20.47 |
| 15MHz/10MHz | 1892.7 | 1904.7 | 16QAM | 1 | 74 | 1 | 0 | 22.36 |
| 15MHz/10MHz | 1892.7 | 1904.7 | 64QAM | 75 | 0 | 50 | 0 | 20.38 |
| 15MHz/10MHz | 1892.7 | 1904.7 | 64QAM | 1 | 74 | 1 | 0 | 21.43 |
| 15MHz/15MHz | 1857.5 | 1872.5 | QPSK | 75 | 0 | 75 | 0 | 21.40 |
| 15MHz/15MHz | 1857.5 | 1872.5 | QPSK | 1 | 74 | 1 | 0 | 23.36 |
| 15MHz/15MHz | 1857.5 | 1872.5 | 16QAM | 75 | 0 | 75 | 0 | 20.51 |
| 15MHz/15MHz | 1857.5 | 1872.5 | 16QAM | 1 | 74 | 1 | 0 | 22.32 |
| 15MHz/15MHz | 1857.5 | 1872.5 | 64QAM | 75 | 0 | 75 | 0 | 20.57 |
| 15MHz/15MHz | 1857.5 | 1872.5 | 64QAM | 1 | 74 | 1 | 0 | 21.58 |
| 15MHz/15MHz | 1872.5 | 1887.5 | QPSK | 75 | 0 | 75 | 0 | 21.44 |
| 15MHz/15MHz | 1872.5 | 1887.5 | QPSK | 1 | 74 | 1 | 0 | 23.43 |
| 15MHz/15MHz | 1872.5 | 1887.5 | 16QAM | 75 | 0 | 75 | 0 | 24.55 |
| 15MHz/15MHz | 1872.5 | 1887.5 | 16QAM | 1 | 74 | 1 | 0 | 26.42 |
| 15MHz/15MHz | 1872.5 | 1887.5 | 64QAM | 75 | 0 | 75 | 0 | 20.44 |
| 15MHz/15MHz | 1872.5 | 1887.5 | 64QAM | 1 | 74 | 1 | 0 | 21.45 |
| 15MHz/15MHz | 1887.5 | 1902.5 | QPSK | 75 | 0 | 75 | 0 | 21.81 |
| 15MHz/15MHz | 1887.5 | 1902.5 | QPSK | 1 | 74 | 1 | 0 | 23.43 |
| 15MHz/15MHz | 1887.5 | 1902.5 | 16QAM | 75 | 0 | 75 | 0 | 20.49 |
| 15MHz/15MHz | 1887.5 | 1902.5 | 16QAM | 1 | 74 | 1 | 0 | 22.46 |
| 15MHz/15MHz | 1887.5 | 1902.5 | 64QAM | 75 | 0 | 75 | 0 | 20.40 |
| 15MHz/15MHz | 1887.5 | 1902.5 | 64QAM | 1 | 74 | 1 | 0 | 21.38 |
| 15MHz/20MHz | 1857.8 | 1874.9 | QPSK | 75 | 0 | 100 | 0 | 21.49 |
| 15MHz/20MHz | 1857.8 | 1874.9 | QPSK | 1 | 74 | 1 | 0 | 23.38 |
| 15MHz/20MHz | 1857.8 | 1874.9 | 16QAM | 75 | 0 | 100 | 0 | 20.58 |
| 15MHz/20MHz | 1857.8 | 1874.9 | 16QAM | 1 | 74 | 1 | 0 | 22.41 |
| 15MHz/20MHz | 1857.8 | 1874.9 | 64QAM | 75 | 0 | 100 | 0 | 20.59 |
| 15MHz/20MHz | 1857.8 | 1874.9 | 64QAM | 1 | 74 | 1 | 0 | 21.46 |
| 15MHz/20MHz | 1870.3 | 1887.4 | QPSK | 75 | 0 | 100 | 0 | 21.51 |
| 15MHz/20MHz | 1870.3 | 1887.4 | QPSK | 1 | 74 | 1 | 0 | 23.70 |
| 15MHz/20MHz | 1870.3 | 1887.4 | 16QAM | 75 | 0 | 100 | 0 | 20.79 |
| 15MHz/20MHz | 1870.3 | 1887.4 | 16QAM | 1 | 74 | 1 | 0 | 22.32 |
| 15MHz/20MHz | 1870.3 | 1887.4 | 64QAM | 75 | 0 | 100 | 0 | 20.46 |
| 15MHz/20MHz | 1870.3 | 1887.4 | 64QAM | 1 | 74 | 1 | 0 | 21.47 |
| 15MHz/20MHz | 1882.9 | 1900 | QPSK | 75 | 0 | 100 | 0 | 21.75 |
| 15MHz/20MHz | 1882.9 | 1900 | QPSK | 1 | 74 | 1 | 0 | 23.78 |
| 15MHz/20MHz | 1882.9 | 1900 | 16QAM | 75 | 0 | 100 | 0 | 20.85 |
| 15MHz/20MHz | 1882.9 | 1900 | 16QAM | 1 | 74 | 1 | 0 | 22.80 |
| 15MHz/20MHz | 1882.9 | 1900 | 64QAM | 75 | 0 | 100 | 0 | 20.44 |
| 15MHz/20MHz | 1882.9 | 1900 | 64QAM | 1 | 74 | 1 | 0 | 21.35 |
| 20MHz/5MHz | 1860 | 1871.7 | QPSK | 100 | 0 | 25 | 0 | 21.65 |
| 20MHz/5MHz | 1860 | 1871.7 | QPSK | 1 | 99 | 1 | 0 | 23.55 |
| 20MHz/5MHz | 1860 | 1871.7 | 16QAM | 100 | 0 | 25 | 0 | 20.77 |
| 20MHz/5MHz | 1860 | 1871.7 | 16QAM | 1 | 99 | 1 | 0 | 22.58 |
| 20MHz/5MHz | 1860 | 1871.7 | 64QAM | 100 | 0 | 25 | 0 | 20.54 |
| 20MHz/5MHz | 1860 | 1871.7 | 64QAM | 1 | 99 | 1 | 0 | 21.42 |
| 20MHz/5MHz | 1877.5 | 1889.2 | QPSK | 100 | 0 | 25 | 0 | 21.82 |
| 20MHz/5MHz | 1877.5 | 1889.2 | QPSK | 1 | 99 | 1 | 0 | 23.81 |
| 20MHz/5MHz | 1877.5 | 1889.2 | 16QAM | 100 | 0 | 25 | 0 | 20.92 |
| 20MHz/5MHz | 1877.5 | 1889.2 | 16QAM | 1 | 99 | 1 | 0 | 22.85 |

| Bandwidth | Frequency(MHz) | Frequency(MHz) | Modulation | PCC RB | | SCC RB | | Conducted Power(dBm) |
|-------------|----------------|----------------|------------|--------|--------|--------|--------|----------------------|
| | | | | Size | Offset | Size | Offset | |
| 20MHz/5MHz | 1877.5 | 1889.2 | 64QAM | 100 | 0 | 25 | 0 | 20.39 |
| 20MHz/5MHz | 1877.5 | 1889.2 | 64QAM | 1 | 99 | 1 | 0 | 21.23 |
| 20MHz/5MHz | 1895 | 1906.7 | QPSK | 100 | 0 | 25 | 0 | 21.71 |
| 20MHz/5MHz | 1895 | 1906.7 | QPSK | 1 | 99 | 1 | 0 | 23.62 |
| 20MHz/5MHz | 1895 | 1906.7 | 16QAM | 100 | 0 | 25 | 0 | 20.77 |
| 20MHz/5MHz | 1895 | 1906.7 | 16QAM | 1 | 99 | 1 | 0 | 22.75 |
| 20MHz/5MHz | 1895 | 1906.7 | 64QAM | 100 | 0 | 25 | 0 | 20.42 |
| 20MHz/5MHz | 1895 | 1906.7 | 64QAM | 1 | 99 | 1 | 0 | 21.35 |
| 20MHz/10MHz | 1860 | 1874.4 | QPSK | 100 | 0 | 50 | 0 | 21.78 |
| 20MHz/10MHz | 1860 | 1874.4 | QPSK | 1 | 99 | 1 | 0 | 23.64 |
| 20MHz/10MHz | 1860 | 1874.4 | 16QAM | 100 | 0 | 50 | 0 | 20.76 |
| 20MHz/10MHz | 1860 | 1874.4 | 16QAM | 1 | 99 | 1 | 0 | 22.52 |
| 20MHz/10MHz | 1860 | 1874.4 | 64QAM | 100 | 0 | 50 | 0 | 20.61 |
| 20MHz/10MHz | 1860 | 1874.4 | 64QAM | 1 | 99 | 1 | 0 | 21.48 |
| 20MHz/10MHz | 1875.1 | 1889.5 | QPSK | 100 | 0 | 50 | 0 | 21.84 |
| 20MHz/10MHz | 1875.1 | 1889.5 | QPSK | 1 | 99 | 1 | 0 | 23.84 |
| 20MHz/10MHz | 1875.1 | 1889.5 | 16QAM | 100 | 0 | 50 | 0 | 20.90 |
| 20MHz/10MHz | 1875.1 | 1889.5 | 16QAM | 1 | 99 | 1 | 0 | 22.89 |
| 20MHz/10MHz | 1875.1 | 1889.5 | 64QAM | 100 | 0 | 50 | 0 | 20.45 |
| 20MHz/10MHz | 1875.1 | 1889.5 | 64QAM | 1 | 99 | 1 | 0 | 21.37 |
| 20MHz/10MHz | 1890.1 | 1904.5 | QPSK | 100 | 0 | 50 | 0 | 21.75 |
| 20MHz/10MHz | 1890.1 | 1904.5 | QPSK | 1 | 99 | 1 | 0 | 23.70 |
| 20MHz/10MHz | 1890.1 | 1904.5 | 16QAM | 100 | 0 | 50 | 0 | 20.74 |
| 20MHz/10MHz | 1890.1 | 1904.5 | 16QAM | 1 | 99 | 1 | 0 | 22.72 |
| 20MHz/10MHz | 1890.1 | 1904.5 | 64QAM | 100 | 0 | 50 | 0 | 20.43 |
| 20MHz/10MHz | 1890.1 | 1904.5 | 64QAM | 1 | 99 | 1 | 0 | 21.33 |
| 20MHz/15MHz | 1860 | 1877.1 | QPSK | 100 | 0 | 75 | 0 | 21.77 |
| 20MHz/15MHz | 1860 | 1877.1 | QPSK | 1 | 99 | 1 | 0 | 23.62 |
| 20MHz/15MHz | 1860 | 1877.1 | 16QAM | 100 | 0 | 75 | 0 | 20.82 |
| 20MHz/15MHz | 1860 | 1877.1 | 16QAM | 1 | 99 | 1 | 0 | 22.63 |
| 20MHz/15MHz | 1860 | 1877.1 | 64QAM | 100 | 0 | 75 | 0 | 20.55 |
| 20MHz/15MHz | 1860 | 1877.1 | 64QAM | 1 | 99 | 1 | 0 | 21.57 |
| 20MHz/15MHz | 1872.6 | 1889.7 | QPSK | 100 | 0 | 75 | 0 | 21.81 |
| 20MHz/15MHz | 1872.6 | 1889.7 | QPSK | 1 | 99 | 1 | 0 | 23.84 |
| 20MHz/15MHz | 1872.6 | 1889.7 | 16QAM | 100 | 0 | 75 | 0 | 20.88 |
| 20MHz/15MHz | 1872.6 | 1889.7 | 16QAM | 1 | 99 | 1 | 0 | 22.86 |
| 20MHz/15MHz | 1872.6 | 1889.7 | 64QAM | 100 | 0 | 75 | 0 | 20.46 |
| 20MHz/15MHz | 1872.6 | 1889.7 | 64QAM | 1 | 99 | 1 | 0 | 21.39 |
| 20MHz/15MHz | 1885.1 | 1902.2 | QPSK | 100 | 0 | 75 | 0 | 21.81 |
| 20MHz/15MHz | 1885.1 | 1902.2 | QPSK | 1 | 99 | 1 | 0 | 23.79 |
| 20MHz/15MHz | 1885.1 | 1902.2 | 16QAM | 100 | 0 | 75 | 0 | 20.87 |
| 20MHz/15MHz | 1885.1 | 1902.2 | 16QAM | 1 | 99 | 1 | 0 | 22.75 |
| 20MHz/15MHz | 1885.1 | 1902.2 | 64QAM | 100 | 0 | 75 | 0 | 20.38 |
| 20MHz/15MHz | 1885.1 | 1902.2 | 64QAM | 1 | 99 | 1 | 0 | 21.35 |
| 20MHz/20MHz | 1860 | 1879.8 | QPSK | 100 | 0 | 100 | 0 | 21.81 |
| 20MHz/20MHz | 1860 | 1879.8 | QPSK | 1 | 99 | 1 | 0 | 23.59 |
| 20MHz/20MHz | 1860 | 1879.8 | 16QAM | 100 | 0 | 100 | 0 | 20.80 |
| 20MHz/20MHz | 1860 | 1879.8 | 16QAM | 1 | 99 | 1 | 0 | 22.61 |
| 20MHz/20MHz | 1860 | 1879.8 | 64QAM | 100 | 0 | 100 | 0 | 20.56 |
| 20MHz/20MHz | 1860 | 1879.8 | 64QAM | 1 | 99 | 1 | 0 | 21.47 |
| 20MHz/20MHz | 1870.1 | 1889.9 | QPSK | 100 | 0 | 100 | 0 | 21.78 |
| 20MHz/20MHz | 1870.1 | 1889.9 | QPSK | 1 | 99 | 1 | 0 | 23.83 |
| 20MHz/20MHz | 1870.1 | 1889.9 | 16QAM | 100 | 0 | 100 | 0 | 20.86 |
| 20MHz/20MHz | 1870.1 | 1889.9 | 16QAM | 1 | 99 | 1 | 0 | 22.83 |
| 20MHz/20MHz | 1870.1 | 1889.9 | 64QAM | 100 | 0 | 100 | 0 | 20.47 |
| 20MHz/20MHz | 1870.1 | 1889.9 | 64QAM | 1 | 99 | 1 | 0 | 21.42 |
| 20MHz/20MHz | 1880.2 | 1900 | QPSK | 100 | 0 | 100 | 0 | 21.82 |

| Bandwidth | Frequency(MHz) | Frequency(MHz) | Modulation | PCC RB | | SCC RB | | Conducted Power(dBm) |
|-------------|----------------|----------------|------------|--------|--------|--------|--------|----------------------|
| | | | | Size | Offset | Size | Offset | |
| 20MHz/20MHz | 1880.2 | 1900 | QPSK | 1 | 99 | 1 | 0 | 23.81 |
| 20MHz/20MHz | 1880.2 | 1900 | 16QAM | 100 | 0 | 100 | 0 | 20.82 |
| 20MHz/20MHz | 1880.2 | 1900 | 16QAM | 1 | 99 | 1 | 0 | 22.71 |
| 20MHz/20MHz | 1880.2 | 1900 | 64QAM | 100 | 0 | 100 | 0 | 20.41 |
| 20MHz/20MHz | 1880.2 | 1900 | 64QAM | 1 | 99 | 1 | 0 | 21.40 |

LTE 5B

| Bandwidth | Frequency(MHz) | Frequency(MHz) | Modulation | PCC RB | | SCC RB | | Conducted Power(dBm) |
|------------|----------------|----------------|------------|--------|--------|--------|--------|----------------------|
| | | | | Size | Offset | Size | Offset | |
| 3MHz/5MHz | 834.1 | 838 | QPSK | 15 | 0 | 25 | 0 | 22.35 |
| 3MHz/5MHz | 834.1 | 838 | QPSK | 1 | 14 | 1 | 0 | 22.29 |
| 3MHz/5MHz | 834.1 | 838 | 16QAM | 15 | 0 | 25 | 0 | 22.40 |
| 3MHz/5MHz | 834.1 | 838 | 16QAM | 1 | 14 | 1 | 0 | 22.22 |
| 3MHz/5MHz | 834.1 | 838 | 64QAM | 15 | 0 | 25 | 0 | 22.39 |
| 3MHz/5MHz | 834.1 | 838 | 64QAM | 1 | 14 | 1 | 0 | 22.38 |
| 3MHz/5MHz | 825.6 | 829.5 | QPSK | 15 | 0 | 25 | 0 | 24.60 |
| 3MHz/5MHz | 825.6 | 829.5 | QPSK | 1 | 14 | 1 | 0 | 16.59 |
| 3MHz/5MHz | 825.6 | 829.5 | 16QAM | 15 | 0 | 25 | 0 | 24.65 |
| 3MHz/5MHz | 825.6 | 829.5 | 16QAM | 1 | 14 | 1 | 0 | 16.60 |
| 3MHz/5MHz | 825.6 | 829.5 | 64QAM | 15 | 0 | 25 | 0 | 24.70 |
| 3MHz/5MHz | 825.6 | 829.5 | 64QAM | 1 | 14 | 1 | 0 | 16.69 |
| 3MHz/5MHz | 842.6 | 846.5 | QPSK | 15 | 0 | 25 | 0 | 24.57 |
| 3MHz/5MHz | 842.6 | 846.5 | QPSK | 1 | 14 | 1 | 0 | 24.49 |
| 3MHz/5MHz | 842.6 | 846.5 | 16QAM | 15 | 0 | 25 | 0 | 24.61 |
| 3MHz/5MHz | 842.6 | 846.5 | 16QAM | 1 | 14 | 1 | 0 | 24.52 |
| 3MHz/5MHz | 842.6 | 846.5 | 64QAM | 15 | 0 | 25 | 0 | 24.52 |
| 3MHz/5MHz | 842.6 | 846.5 | 64QAM | 1 | 14 | 1 | 0 | 24.51 |
| 5MHz/3MHz | 835 | 838.9 | QPSK | 25 | 0 | 15 | 0 | 22.27 |
| 5MHz/3MHz | 835 | 838.9 | QPSK | 1 | 24 | 1 | 0 | 22.16 |
| 5MHz/3MHz | 835 | 838.9 | 16QAM | 25 | 0 | 15 | 0 | 22.31 |
| 5MHz/3MHz | 835 | 838.9 | 16QAM | 1 | 24 | 1 | 0 | 22.19 |
| 5MHz/3MHz | 835 | 838.9 | 64QAM | 25 | 0 | 15 | 0 | 22.33 |
| 5MHz/3MHz | 835 | 838.9 | 64QAM | 1 | 24 | 1 | 0 | 22.18 |
| 5MHz/10MHz | 831.8 | 839 | QPSK | 25 | 0 | 50 | 0 | 20.22 |
| 5MHz/10MHz | 831.8 | 839 | QPSK | 1 | 24 | 1 | 0 | 22.20 |
| 5MHz/10MHz | 831.8 | 839 | 16QAM | 25 | 0 | 50 | 0 | 19.22 |
| 5MHz/10MHz | 831.8 | 839 | 16QAM | 1 | 24 | 1 | 0 | 21.21 |
| 5MHz/10MHz | 831.8 | 839 | 64QAM | 25 | 0 | 50 | 0 | 19.21 |
| 5MHz/10MHz | 831.8 | 839 | 64QAM | 1 | 24 | 1 | 0 | 20.26 |
| 5MHz/3MHz | 826.5 | 830.4 | QPSK | 25 | 0 | 15 | 0 | 24.67 |
| 5MHz/3MHz | 826.5 | 830.4 | QPSK | 1 | 24 | 1 | 0 | 24.58 |
| 5MHz/3MHz | 826.5 | 830.4 | 16QAM | 25 | 0 | 15 | 0 | 24.70 |
| 5MHz/3MHz | 826.5 | 830.4 | 16QAM | 1 | 24 | 1 | 0 | 24.63 |
| 5MHz/3MHz | 826.5 | 830.4 | 64QAM | 25 | 0 | 15 | 0 | 24.72 |
| 5MHz/3MHz | 826.5 | 830.4 | 64QAM | 1 | 24 | 1 | 0 | 24.52 |
| 5MHz/3MHz | 843.5 | 847.4 | QPSK | 25 | 0 | 15 | 0 | 24.55 |
| 5MHz/3MHz | 843.5 | 847.4 | QPSK | 1 | 24 | 1 | 0 | 16.45 |
| 5MHz/3MHz | 843.5 | 847.4 | 16QAM | 25 | 0 | 15 | 0 | 24.59 |
| 5MHz/3MHz | 843.5 | 847.4 | 16QAM | 1 | 24 | 1 | 0 | 16.50 |
| 5MHz/3MHz | 843.5 | 847.4 | 64QAM | 25 | 0 | 15 | 0 | 24.31 |
| 5MHz/3MHz | 843.5 | 847.4 | 64QAM | 1 | 24 | 1 | 0 | 16.40 |
| 5MHz/10MHz | 826.8 | 834 | QPSK | 25 | 0 | 50 | 0 | 22.54 |
| 5MHz/10MHz | 826.8 | 834 | QPSK | 1 | 24 | 1 | 0 | 24.45 |
| 5MHz/10MHz | 826.8 | 834 | 16QAM | 25 | 0 | 50 | 0 | 21.53 |
| 5MHz/10MHz | 826.8 | 834 | 16QAM | 1 | 24 | 1 | 0 | 23.42 |
| 5MHz/10MHz | 826.8 | 834 | 64QAM | 25 | 0 | 50 | 0 | 21.56 |
| 5MHz/10MHz | 826.8 | 834 | 64QAM | 1 | 24 | 1 | 0 | 22.39 |