













































Occupied Bandwidth

| Mode | LTE Band 2 : 99%OBW(MHz) | | | | | | | | | | | |
|------------|--------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.09 | 1.1 | 2.73 | 2.72 | 4.5 | 4.48 | 9.05 | 9.01 | 13.43 | 13.46 | 18.26 | 18.3 |
| Middle CH | 1.09 | 1.1 | 2.72 | 2.72 | 4.49 | 4.51 | 8.99 | 9.07 | 13.49 | 13.49 | 18.62 | 18.38 |
| Highest CH | 1.09 | 1.1 | 2.71 | 2.72 | 4.5 | 4.49 | 8.99 | 8.99 | 13.46 | 13.52 | 18.34 | 18.38 |

| Mode | LTE Band 4 : 99%OBW(MHz) | | | | | | | | | | | |
|------------|--------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.09 | 1.09 | 2.72 | 2.71 | 4.49 | 4.48 | 9.05 | 8.99 | 13.4 | 13.49 | 18.34 | 18.46 |
| Middle CH | 1.09 | 1.09 | 2.7 | 2.72 | 4.51 | 4.52 | 9.01 | 9.03 | 13.55 | 13.43 | 18.22 | 18.34 |
| Highest CH | 1.09 | 1.09 | 2.71 | 2.72 | 4.5 | 4.49 | 8.99 | 9.05 | 13.4 | 13.43 | 18.26 | 18.5 |

| Mode | LTE Band 5 : 99%OBW(MHz) | | | | | | | | | | | |
|------------|--------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.09 | 1.11 | 2.72 | 2.71 | 4.52 | 4.49 | 9.13 | 9.01 | - | - | - | - |
| Middle CH | 1.1 | 1.09 | 2.72 | 2.72 | 4.51 | 4.49 | 9.03 | 9.03 | - | - | - | - |
| Highest CH | 1.09 | 1.1 | 2.72 | 2.72 | 4.51 | 4.50 | 9.01 | 9.05 | - | - | - | - |

| Mode | LTE Band 7 : 99%OBW(MHz) | | | | | | | | | | | |
|------------|--------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | - | - | - | - | 4.51 | 4.52 | 9.05 | 9.01 | 13.52 | 13.43 | 18.46 | 18.5 |
| Middle CH | - | - | - | - | 4.51 | 4.5 | 9.09 | 9.03 | 13.49 | 13.46 | 18.5 | 18.34 |
| Highest CH | - | - | - | - | 4.51 | 4.51 | 9.13 | 9.03 | 13.49 | 13.43 | 18.58 | 18.54 |



| Mode | LTE Band 12 : 99%OBW(MHz) | | | | | | | | | | | |
|------------|---------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.09 | 1.11 | 2.71 | 2.72 | 4.51 | 4.51 | 9.05 | 9.05 | - | - | - | - |
| Middle CH | 1.09 | 1.1 | 2.72 | 2.72 | 4.51 | 4.52 | 9.05 | 8.97 | - | - | - | - |
| Highest CH | 1.09 | 1.1 | 2.72 | 2.72 | 4.51 | 4.48 | 9.03 | 9.05 | - | - | - | - |

| Mode | LTE Band 17 : 99%OBW(MHz) | | | | | | | | | | | |
|------------|---------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | - | - | - | - | 4.52 | 4.51 | 9.07 | 9.07 | - | - | - | - |
| Middle CH | - | - | - | - | 4.51 | 4.52 | 9.01 | 9.03 | - | - | - | - |
| Highest CH | - | - | - | - | 4.49 | 4.5 | 9.05 | 8.97 | - | - | - | - |



