





















## Occupied Bandwidth

| 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  | 2.71 | 2.72  | 4.49 | 4.49  | 8.97  | 9.01  | 13.40 | 13.34 | 18.26 | 18.18 |
| Middle CH  | 1.09                     | 1.09  | 2.71 | 2.73  | 4.49 | 4.50  | 9.01  | 8.99  | 13.40 | 13.43 | 18.38 | 18.34 |
| Highest CH | 1.09                     | 1.10  | 2.72 | 2.72  | 4.46 | 4.48  | 8.99  | 9.01  | 13.40 | 13.37 | 18.34 | 18.22 |

| 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  | 1.10                     | 1.10  | 2.71 | 2.70  | 4.48 | 4.49  | 9.01  | 8.99  | -     | -     | -     | -     |
| Middle CH  | 1.09                     | 1.09  | 2.72 | 2.72  | 4.49 | 4.49  | 9.03  | 9.03  | -     | -     | -     | -     |
| Highest CH | 1.09                     | 1.10  | 2.71 | 2.72  | 4.50 | 4.47  | 9.01  | 9.03  | -     | -     | -     | -     |

| 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  | -                        | -     | -    | -     | 4.49 | 4.50  | 8.97  | 9.01  | 13.37 | 13.46 | 18.34 | 18.14 |
| Middle CH  | -                        | -     | -    | -     | 4.49 | 4.50  | 9.05  | 8.97  | 13.43 | 13.49 | 18.30 | 18.30 |
| Highest CH | -                        | -     | -    | -     | 4.46 | 4.49  | 9.01  | 9.03  | 13.49 | 13.46 | 18.26 | 18.14 |

| Mode       | LTE Band 38 : 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  | -                         | -     | -    | -     | 4.49 | 4.49  | 9.07  | 9.01  | 13.43 | 13.43 | 18.34 | 18.42 |
| Middle CH  | -                         | -     | -    | -     | 4.52 | 4.47  | 8.93  | 8.95  | 13.49 | 13.43 | 18.30 | 18.38 |
| Highest CH | -                         | -     | -    | -     | 4.48 | 4.48  | 8.95  | 8.99  | 13.43 | 13.46 | 18.38 | 18.22 |

























