





26dB Bandwidth

| Mode | LTE Band 2 : 26dB BW(MHz) | | | | | | | | | | | |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.217 | 1.225 | 3.063 | 3.027 | 4.875 | 4.865 | 9.93 | 9.79 | 14.236 | 14.386 | 20.26 | 20.14 |
| Middle CH | 1.228 | 1.231 | 3.081 | 3.015 | 4.935 | 4.895 | 9.67 | 9.77 | 14.476 | 14.266 | 20.22 | 20.3 |
| Highest CH | 1.248 | 1.217 | 2.997 | 3.081 | 4.905 | 4.885 | 9.79 | 9.67 | 14.356 | 14.236 | 20.22 | 20.22 |
| Mode | LTE Band 2 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | 1.236 | | 2.991 | | 4.865 | | 9.83 | | 14.146 | | 20.14 | |
| Middle CH | 1.242 | | 3.027 | | 4.935 | | 9.81 | | 14.416 | | 20.18 | |
| Highest CH | 1.217 | | 3.051 | | 4.925 | | 9.77 | | 14.386 | | 20.1 | |

| Mode | LTE Band 4 : 26dB BW(MHz) | | | | | | | | | | | |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.245 | 1.222 | 3.051 | 3.009 | 4.935 | 4.945 | 9.91 | 9.75 | 14.625 | 14.206 | 20.02 | 20.14 |
| Middle CH | 1.231 | 1.222 | 2.979 | 3.057 | 4.895 | 4.905 | 9.73 | 9.85 | 14.206 | 14.356 | 20.26 | 20.22 |
| Highest CH | 1.234 | 1.242 | 3.021 | 3.051 | 4.945 | 4.895 | 9.97 | 9.71 | 14.326 | 14.535 | 20.06 | 20.06 |
| Mode | LTE Band 4 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | 1.222 | | 2.979 | | 4.895 | | 9.85 | | 14.595 | | 20.22 | |
| Middle CH | 1.239 | | 3.039 | | 4.985 | | 9.75 | | 14.266 | | 20.22 | |
| Highest CH | 1.225 | | 3.015 | | 4.925 | | 9.95 | | 14.326 | | 20.14 | |



| Mode | LTE Band 5 : 26dB BW(MHz) | | | | | | | | | | | |
|------------|---------------------------|-------|-------|-------|-------|--|-------|-------|-------|-------|-------|-------|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.225 | 1.228 | 3.039 | 3.027 | 4.935 | 4.785 | 9.63 | 9.67 | | | | |
| Middle CH | 1.239 | 1.22 | 3.075 | 3.039 | 4.975 | 4.895 | 9.77 | 9.75 | | | | |
| Highest CH | 1.225 | 1.22 | 3.039 | 3.009 | 4.945 | 4.725 | 9.71 | 9.77 | | | | |
| Mode | LTE Band 5 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | | | | |
| Mod. | 64QAM | | 64QAM | | 64QAM | <th>64QAM</th> <td></td> <td></td> <td></td> <td></td> <td></td> | 64QAM | | | | | |
| Lowest CH | 1.225 | | 3.039 | | 4.865 | | 9.65 | | | | | |
| Middle CH | 1.217 | | 3.039 | | 4.885 | | 9.67 | | | | | |
| Highest CH | 1.222 | | 3.015 | | 4.885 | | 9.63 | | | | | |

| Mode | LTE Band 7 : 26dB BW(MHz) | | | | | | | | | | | |
|------------|---------------------------|-------|-------|-------|--------|--------|-------|-------|-------|-------|--------|-------|
| BW | 5MHz | | 10MHz | | 15MHz | | 20MHz | | 5MHz | 10MHz | 15MHz | 20MHz |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | 64QAM | 64QAM | 64QAM | 64QAM |
| Lowest CH | 4.855 | 4.935 | 9.83 | 9.71 | 14.356 | 14.386 | 20.14 | 20.14 | 4.955 | 9.69 | 14.296 | 20.14 |
| Middle CH | 4.925 | 4.865 | 9.71 | 9.77 | 14.176 | 14.356 | 20.22 | 20.26 | 4.875 | 9.73 | 14.595 | 20.26 |
| Highest CH | 4.965 | 4.895 | 9.81 | 9.79 | 14.476 | 14.296 | 20.18 | 20.1 | 4.875 | 9.77 | 14.416 | 20.18 |

| Mode | LTE Band 38 : 26dB BW(MHz) | | | | | | | | | | | |
|------------|----------------------------|-------|------|-------|-------|--|-------|---|--------|--------------------------|-------|-------|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | - | - | - | - | 4.815 | 4.795 | 9.67 | 9.65 | 14.505 | 14.116 | 20.26 | 20.26 |
| Middle CH | - | - | - | - | 4.825 | 4.875 | 9.77 | 9.65 | 14.116 | 14.236 | 20.02 | 20.26 |
| Highest CH | - | - | - | - | 5.005 | 4.885 | 9.77 | 9.73 | 14.685 | 14.356 | 20.14 | 20.1 |
| Mode | LTE Band 38 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | | | | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | | | | | 64QAM | <th>64QAM</th> <td><th>64QAM</th><td><th>64QAM</th><td></td></td></td> | 64QAM | <th>64QAM</th> <td><th>64QAM</th><td></td></td> | 64QAM | <th>64QAM</th> <td></td> | 64QAM | |
| Lowest CH | - | - | - | - | 4.855 | | 9.79 | | 14.116 | | 20.1 | |
| Middle CH | - | - | - | - | 4.885 | | 9.69 | | 14.146 | | 20.1 | |
| Highest CH | - | - | - | - | 4.795 | | 9.71 | | 14.116 | | 20.14 | |



For CA

| Mode | LTE Band 7 : 26dB BW(MHz) | | | |
|------------|---------------------------|-------------|-------------|-------------|
| QPSK | | | | |
| BW | 10MHz+20MHz | 15MHz+5MHz | 15MHz+10MHz | 15MHz+15MHz |
| Lowest CH | 29.73 | | 25.225 | 30.629 |
| Middle CH | 29.85 | | 25.275 | 30.45 |
| Highest CH | 29.79 | | 25.275 | 30.689 |
| BW | 15MHz+20MHz | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Lowest CH | 34.825 | 30.21 | 35.245 | 39.8 |
| Middle CH | 34.965 | 29.97 | 35.245 | 39.96 |
| Highest CH | 34.895 | 30.15 | 34.825 | 39.8 |

| Mode | LTE Band 7 : 26dB BW(MHz) | | | |
|------------|---------------------------|-------------|-------------|-------------|
| 16QAM | | | | |
| BW | 10MHz+20MHz | 15MHz+5MHz | 15MHz+10MHz | 15MHz+15MHz |
| Lowest CH | 29.67 | | 25.125 | 30.509 |
| Middle CH | 29.97 | | 25.175 | 30.629 |
| Highest CH | 29.85 | | 25.225 | 30.509 |
| BW | 15MHz+20MHz | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Lowest CH | 34.965 | 29.97 | 35.035 | 39.72 |
| Middle CH | 34.965 | 29.97 | 34.965 | 39.88 |
| Highest CH | 34.825 | 29.97 | 35.105 | 39.72 |

| Mode | LTE Band 7 : 26dB BW(MHz) | | | |
|------------|---------------------------|-------------|-------------|-------------|
| 64QAM | | | | |
| BW | 10MHz+20MHz | 15MHz+5MHz | 15MHz+10MHz | 15MHz+15MHz |
| Lowest CH | 29.91 | | 25.175 | 30.569 |
| Middle CH | 29.91 | | 25.325 | 30.569 |
| Highest CH | 29.79 | | 25.175 | 30.569 |
| BW | 15MHz+20MHz | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Lowest CH | 34.825 | 30.09 | 34.895 | 39.72 |
| Middle CH | 34.755 | 30.03 | 34.895 | 39.88 |
| Highest CH | 34.825 | 29.97 | 34.755 | 39.88 |



| Mode | LTE Band 38 : 26dB BW(MHz) | | | |
|------------|----------------------------|-------------|-------------|-------------|
| Mod. | QPSK | | 16QAM | |
| BW | 15MHz+15MHz | 20MHz+20MHz | 15MHz+15MHz | 20MHz+20MHz |
| Lowest CH | 30.629 | 40.12 | 30.629 | 39.88 |
| Middle CH | 30.45 | 40.04 | 30.689 | 39.88 |
| Highest CH | 30.509 | 39.88 | 30.569 | 39.88 |

| Mode | LTE Band 38 : 26dB BW(MHz) | | | |
|------------|----------------------------|-------------|---|---|
| Mod. | 64QAM | | - | |
| BW | 15MHz+15MHz | 20MHz+20MHz | - | - |
| Lowest CH | 30.569 | 39.88 | - | - |
| Middle CH | 30.569 | 39.96 | - | - |
| Highest CH | 30.689 | 40.04 | - | - |









































