

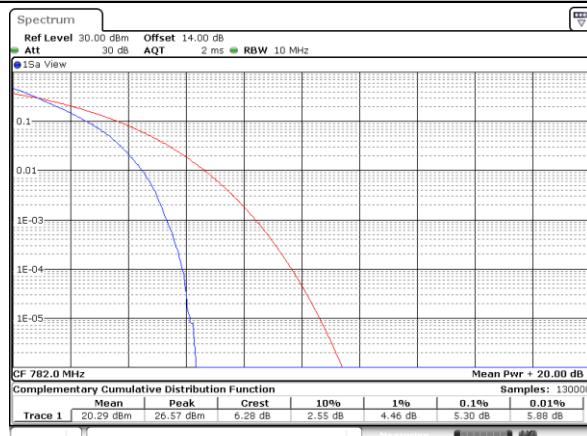


LTE Band 13 / 10MHz / QPSK

Middle Channel/ 1RB



Middle Channel / Full RB

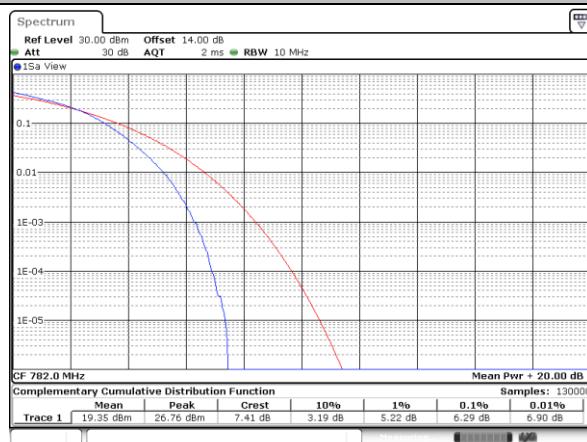


LTE Band 13 / 10MHz / 16QAM

Middle Channel/ 1RB



Middle Channel / Full RB

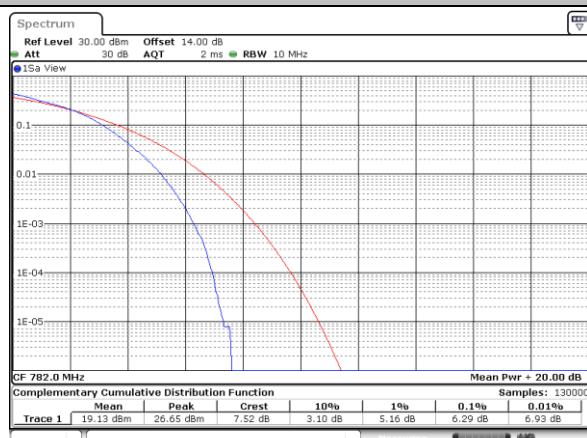


LTE Band 13 / 10MHz / 64QAM

Middle Channel / 1RB



Middle Channel / Full RB



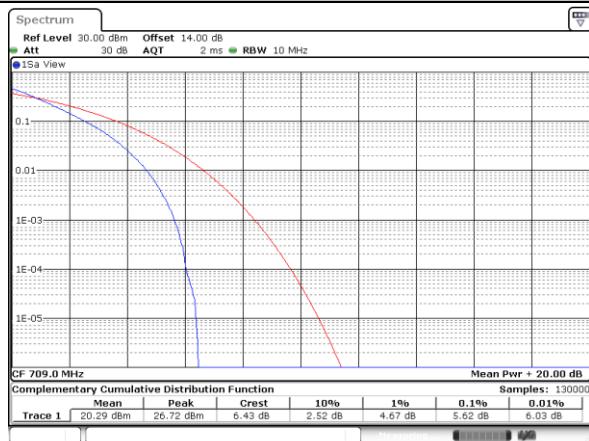


LTE Band 17 / 10MHz / QPSK

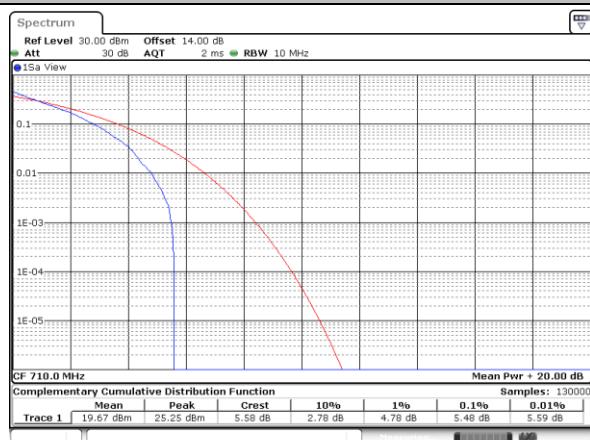
Lowest Channel / 1RB



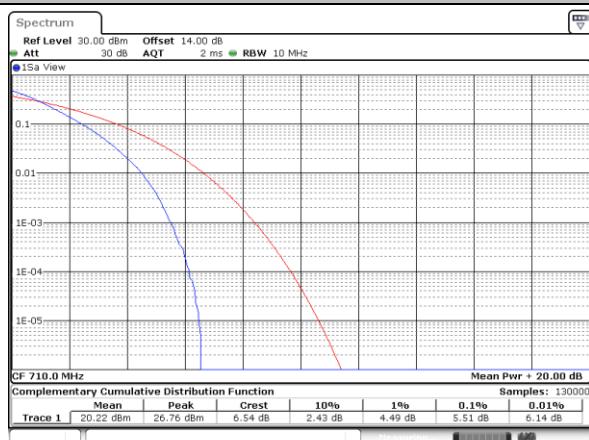
Lowest Channel / Full RB



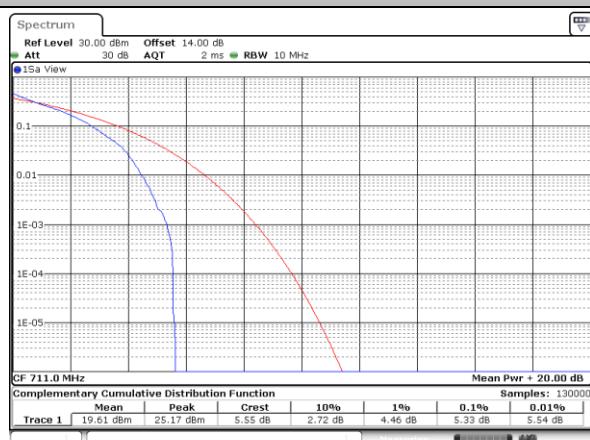
Middle Channel/ 1RB



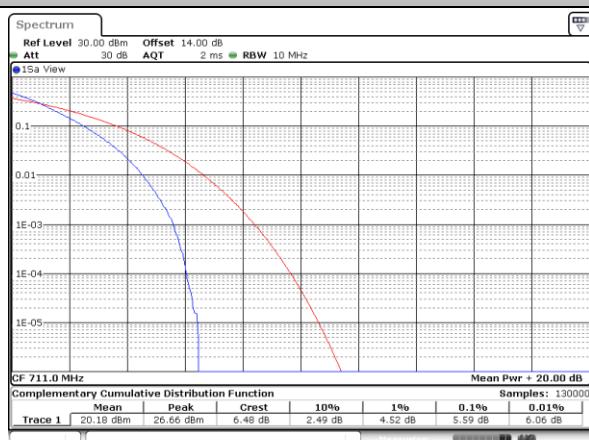
Middle Channel / Full RB

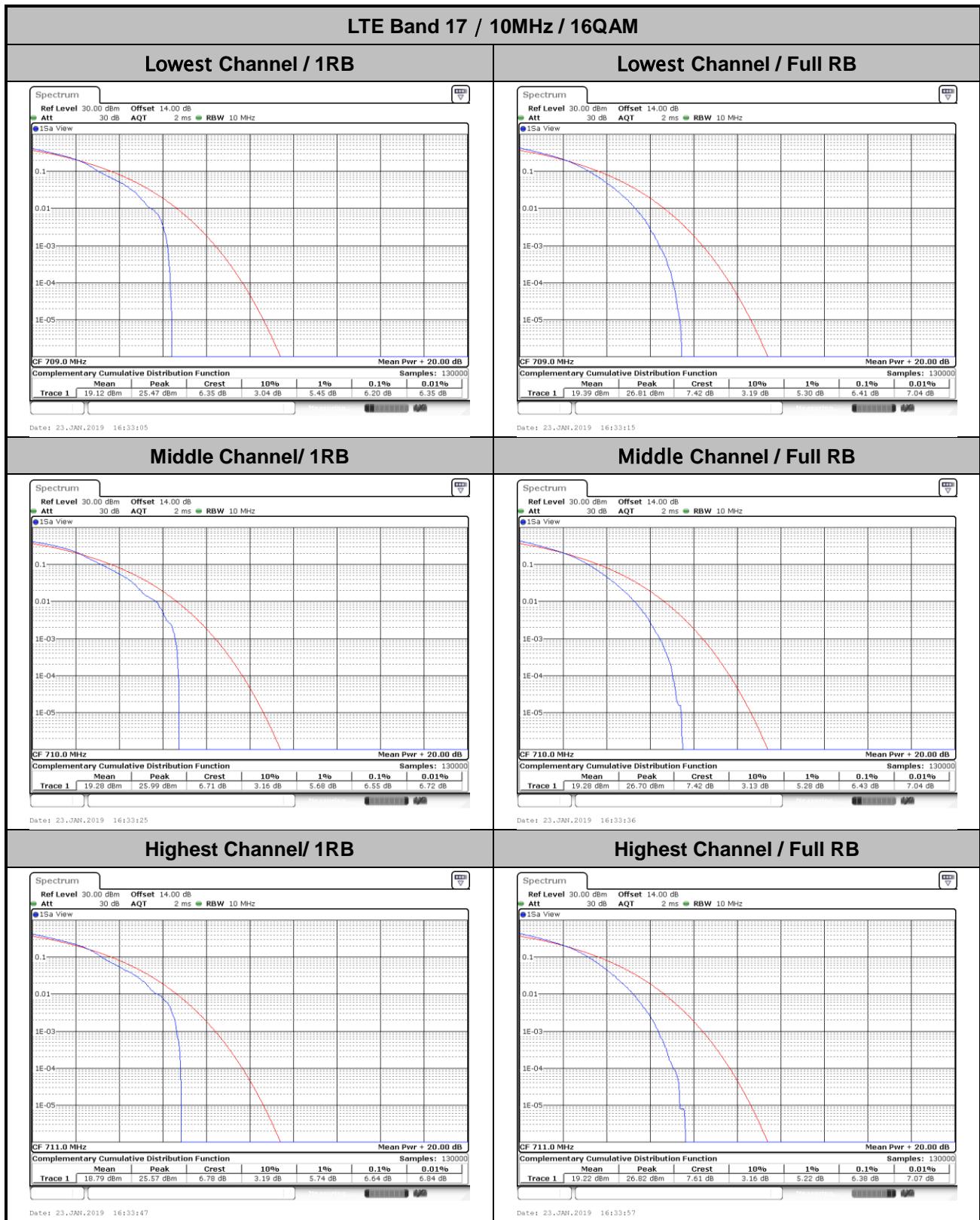


Highest Channel/ 1RB



Highest Channel / Full RB







LTE Band 17 / 10MHz / 64QAM

Lowest Channel / 1RB



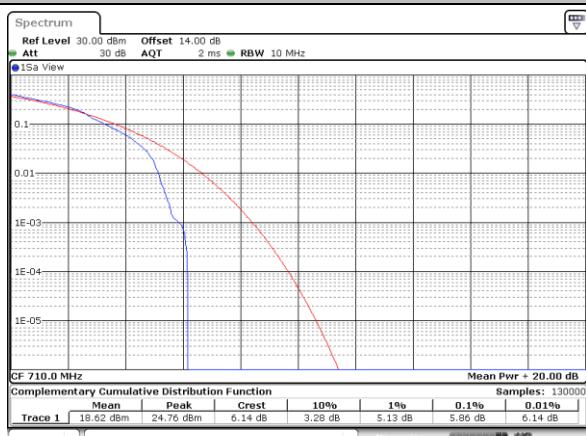
Date: 23 FEB 2019 14:04:43

Lowest Channel / Full RB



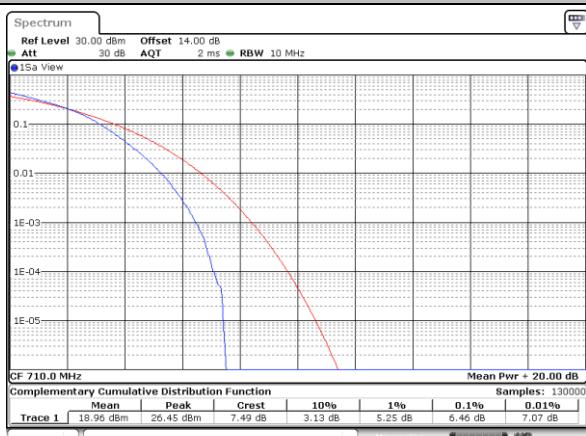
Date: 23 FEB 2019 14:04:55

Middle Channel / 1RB



Date: 23 FEB 2019 14:05:04

Middle Channel / Full RB



Date: 23 FEB 2019 14:05:13

Highest Channel / 1RB



Date: 23 FEB 2019 14:05:22

Highest Channel / Full RB



Date: 23 FEB 2019 14:05:31



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 | 1.276 | 1.267 | 2.979 | 2.979 | 4.885 | 4.825 | 9.67 | 9.71 | 14.326 | 14.296 | 20.18 | 20.46 |
| Middle CH | 1.278 | 1.217 | 2.949 | 2.943 | 4.845 | 4.905 | 9.85 | 9.81 | 14.356 | 14.266 | 20.26 | 20.1 |
| Highest CH | 1.262 | 1.264 | 2.979 | 2.973 | 4.815 | 4.845 | 9.65 | 9.67 | 14.116 | 14.296 | 20.18 | 20.18 |
| Mode | LTE Band 2 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | 1.284 | | 2.925 | | 4.795 | | 9.65 | | 14.505 | | 20.22 | |
| Middle CH | 1.29 | | 2.943 | | 4.785 | | 9.69 | | 14.416 | | 20.3 | |
| Highest CH | 1.276 | | 2.961 | | 4.875 | | 9.83 | | 14.206 | | 19.98 | |

| 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 | 1.259 | 1.278 | 2.973 | 2.943 | 4.875 | 4.925 | 9.65 | 9.73 | 14.416 | 14.176 | 20.3 | 20.34 |
| Middle CH | 1.278 | 1.315 | 2.943 | 2.991 | 4.845 | 4.815 | 9.77 | 9.81 | 14.146 | 14.356 | 20.26 | 20.18 |
| Highest CH | 1.27 | 1.273 | 2.949 | 2.949 | 4.905 | 4.835 | 9.69 | 9.85 | 14.206 | 14.296 | 20.26 | 20.18 |
| Mode | LTE Band 4 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | 1.281 | | 2.937 | | 4.805 | | 9.75 | | 14.476 | | 20.26 | |
| Middle CH | 1.276 | | 2.949 | | 4.785 | | 9.75 | | 14.146 | | 20.1 | |
| Highest CH | 1.276 | | 2.967 | | 4.855 | | 9.65 | | 14.296 | | 20.18 | |

| Mode | LTE Band 5 : 26dB BW(MHz) | | | | | | | | | | | |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 1.4M | 3M | 5M | 10M |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | 64QAM | 64QAM | 64QAM | 64QAM |
| Lowest CH | 1.292 | 1.276 | 2.955 | 2.955 | 4.855 | 4.865 | 9.79 | 9.75 | 1.27 | 2.943 | 4.905 | 9.69 |
| Middle CH | 1.281 | 1.298 | 2.973 | 2.925 | 4.815 | 4.825 | 9.69 | 9.67 | 1.256 | 2.979 | 4.775 | 9.71 |
| Highest CH | 1.276 | 1.295 | 2.961 | 2.925 | 4.885 | 4.825 | 9.73 | 9.67 | 1.298 | 2.967 | 4.825 | 9.75 |



| Mode | LTE Band 7 : 26dB BW(MHz) | | | | | | | | | | | |
|------------|---------------------------|-------|-------|-------|--------|--------|-------|-------|--|--|--|--|
| BW | 5MHz | | 10MHz | | 15MHz | | 20MHz | | | | | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | | | | |
| Lowest CH | 4.885 | 4.835 | 9.79 | 9.77 | 14.236 | 14.505 | 20.18 | 20.18 | | | | |
| Middle CH | 4.885 | 4.875 | 9.65 | 9.69 | 14.236 | 14.416 | 20.06 | 20.14 | | | | |
| Highest CH | 4.845 | 4.815 | 9.69 | 9.71 | 14.476 | 14.356 | 20.14 | 20.26 | | | | |

| Mode | LTE Band 7 : 26dB BW(MHz) | | | | | | | | | | | |
|------------|---------------------------|--|-------|--|--------|--|-------|--|--|--|--|--|
| BW | 5MHz | | 10MHz | | 15MHz | | 20MHz | | | | | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | | | | |
| Lowest CH | 4.745 | | 9.71 | | 14.446 | | 20.18 | | | | | |
| Middle CH | 4.825 | | 9.75 | | 14.386 | | 20.14 | | | | | |
| Highest CH | 4.905 | | 9.67 | | 14.476 | | 20.1 | | | | | |

| Mode | LTE Band 12 : 26dB BW(MHz) | | | | | | | | | | | |
|------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 1.4MHz | 3MHz | 5MHz | 10MHz |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | 64QAM | 64QAM | 64QAM | 64QAM |
| Lowest CH | 1.245 | 1.262 | 2.949 | 2.961 | 5.205 | 5.045 | 10.11 | 9.75 | 1.278 | 2.919 | 5.035 | 9.65 |
| Middle CH | 1.281 | 1.276 | 2.949 | 2.955 | 5.025 | 5.175 | 9.81 | 9.99 | 1.284 | 2.931 | 4.925 | 10.27 |
| Highest CH | 1.273 | 1.262 | 2.973 | 2.961 | 5.095 | 5.095 | 9.83 | 10.07 | 1.245 | 2.925 | 4.945 | 9.75 |

| Mode | LTE Band 13 : 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 | - | - | - | - | 5.105 | 4.985 | - | - | - | - | - | - |
| Middle CH | - | - | - | - | 5.085 | 5.015 | 9.95 | 9.81 | - | - | - | - |
| Highest CH | - | - | - | - | 5.035 | 5.105 | - | - | - | - | - | - |

| Mode | LTE Band 13 : 26dB BW(MHz) | | | | | | | | | | | |
|------------|----------------------------|---|-------|---|-------|---|-------|---|-------|---|-------|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | - | - | - | - | 4.955 | - | - | - | - | - | - | - |
| Middle CH | - | - | - | - | 4.945 | - | 9.81 | - | - | - | - | - |
| Highest CH | - | - | - | - | 4.955 | - | - | - | - | - | - | - |



| Mode | LTE Band 17 : 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 | - | - | - | - | 5.255 | 4.985 | 9.85 | 10.09 | - | - | - | - |
| Middle CH | - | - | - | - | 4.935 | 4.935 | 9.69 | 10.25 | - | - | - | - |
| Highest CH | - | - | - | - | 5.015 | 5.065 | 9.89 | 9.87 | - | - | - | - |
| Mode | LTE Band 17 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | - | | - | | 5.035 | | 9.81 | | - | | - | |
| Middle CH | - | | - | | 5.005 | | 10.01 | | - | | - | |
| Highest CH | - | | - | | 5.065 | | 10.11 | | - | | - | |

