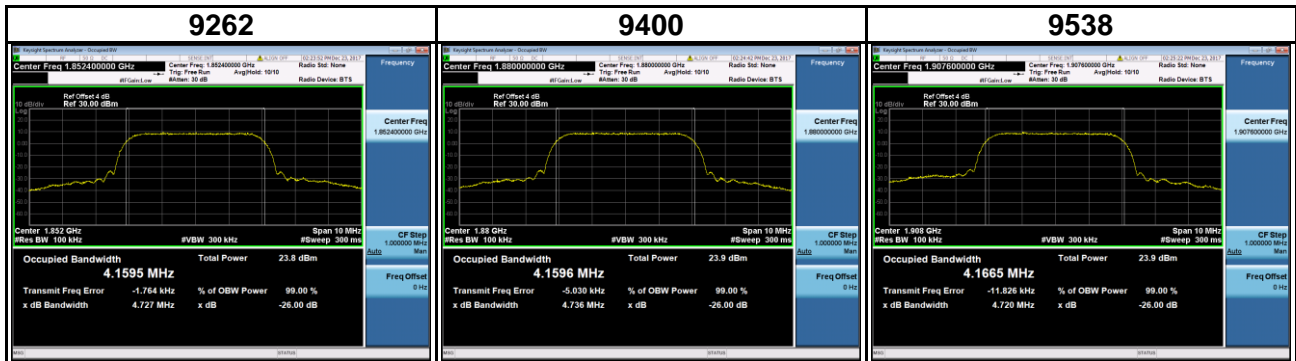


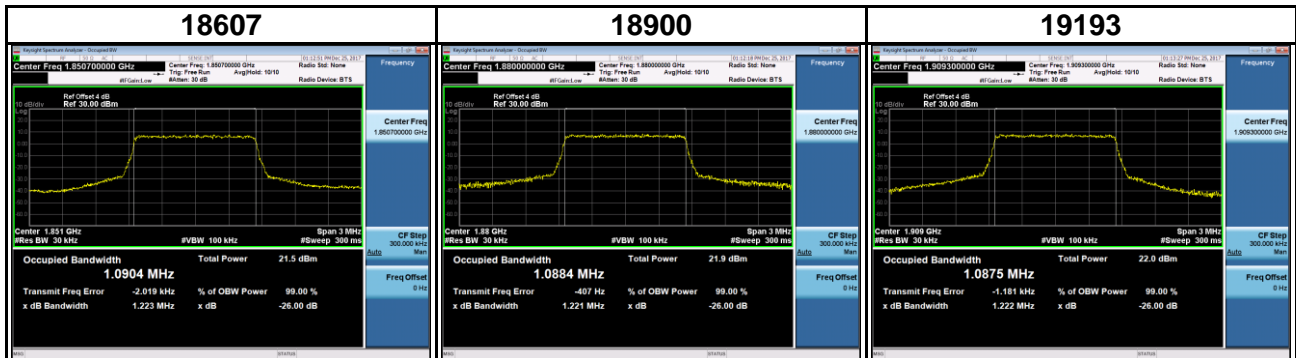
## APPENDIX C OCCUPIED BANDWIDTH

CONTINUE ON NEXT PAGE

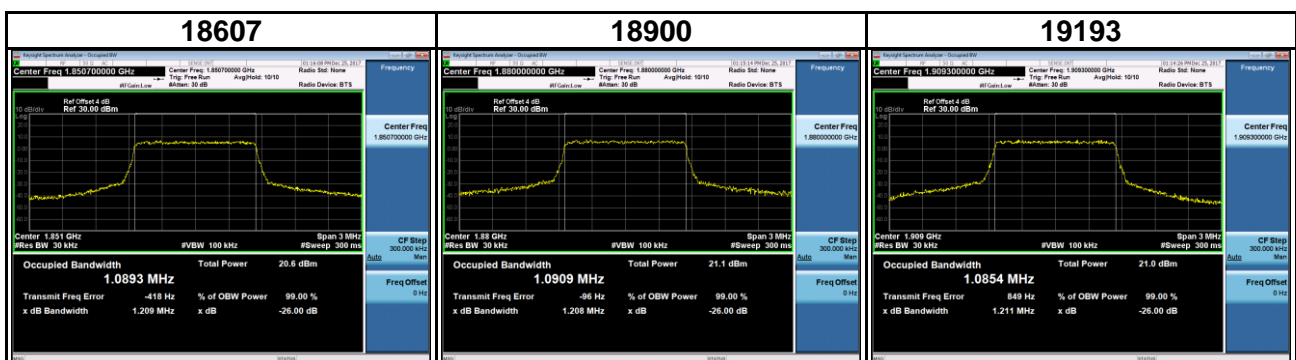
| Band    | WCDMA Band II   |                               |                       |
|---------|-----------------|-------------------------------|-----------------------|
| Channel | Frequency (MHz) | 99 % Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
| 9262    | 1852.4          | 4.1595                        | 4.727                 |
| 9400    | 1880.0          | 4.1596                        | 4.736                 |
| 9538    | 1907.6          | 4.1665                        | 4.720                 |



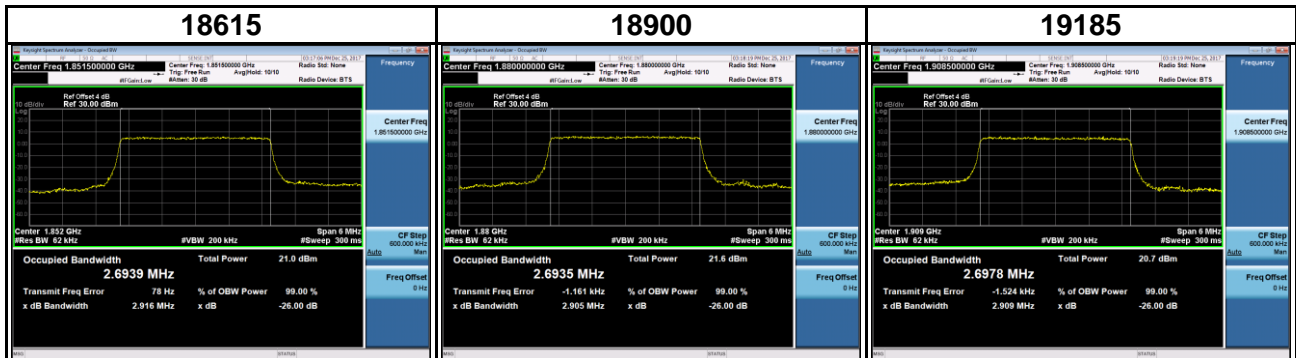
| Band                    | LTE Band 2      |                               |                       |
|-------------------------|-----------------|-------------------------------|-----------------------|
| Channel Bandwidth (MHz) | 1.4             | Modulation                    | QPSK                  |
| Channel                 | Frequency (MHz) | 99 % Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
| 18607                   | 1850.7          | 1.0904                        | 1.223                 |
| 18900                   | 1880.0          | 1.0884                        | 1.221                 |
| 19193                   | 1909.3          | 1.0875                        | 1.222                 |



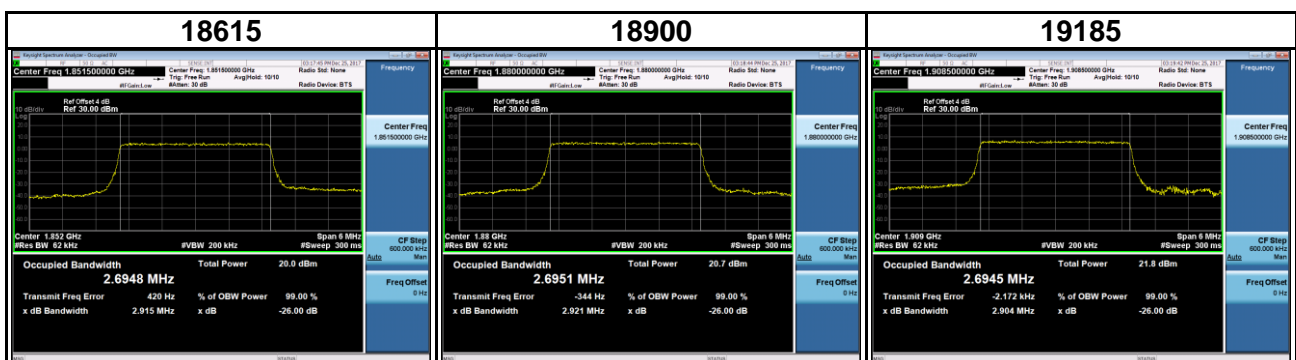
| Band                    | LTE Band 2      |                               |                       |
|-------------------------|-----------------|-------------------------------|-----------------------|
| Channel Bandwidth (MHz) | 1.4             | Modulation                    | 16QAM                 |
| Channel                 | Frequency (MHz) | 99 % Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
| 18607                   | 1850.7          | 1.0893                        | 1.209                 |
| 18900                   | 1880.0          | 1.0909                        | 1.208                 |
| 19193                   | 1909.3          | 1.0854                        | 1.211                 |



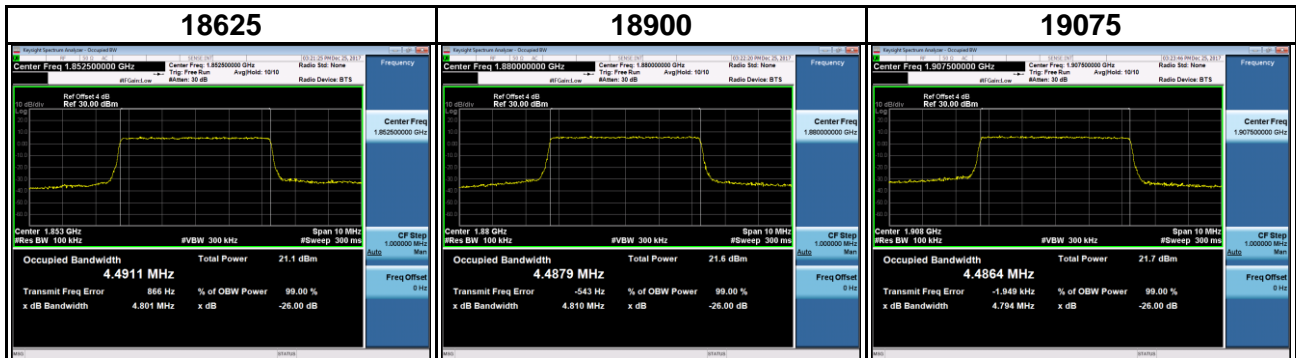
| Band                    | LTE Band 2      |                               |                       |
|-------------------------|-----------------|-------------------------------|-----------------------|
| Channel Bandwidth (MHz) | 3               | Modulation                    | QPSK                  |
| Channel                 | Frequency (MHz) | 99 % Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
| 18615                   | 1851.5          | 2.6939                        | 2.916                 |
| 18900                   | 1880.0          | 2.6935                        | 2.905                 |
| 19185                   | 1908.5          | 2.6978                        | 2.909                 |



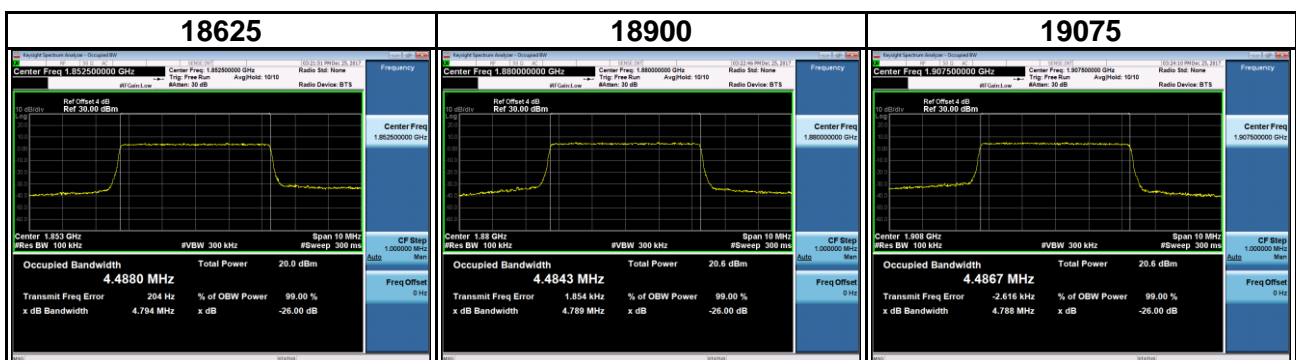
| Band                    | LTE Band 2      |                               |                       |
|-------------------------|-----------------|-------------------------------|-----------------------|
| Channel Bandwidth (MHz) | 3               | Modulation                    | 16QAM                 |
| Channel                 | Frequency (MHz) | 99 % Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
| 18615                   | 1851.5          | 2.6948                        | 2.915                 |
| 18900                   | 1880.0          | 2.6951                        | 2.921                 |
| 19185                   | 1908.5          | 2.6945                        | 2.904                 |



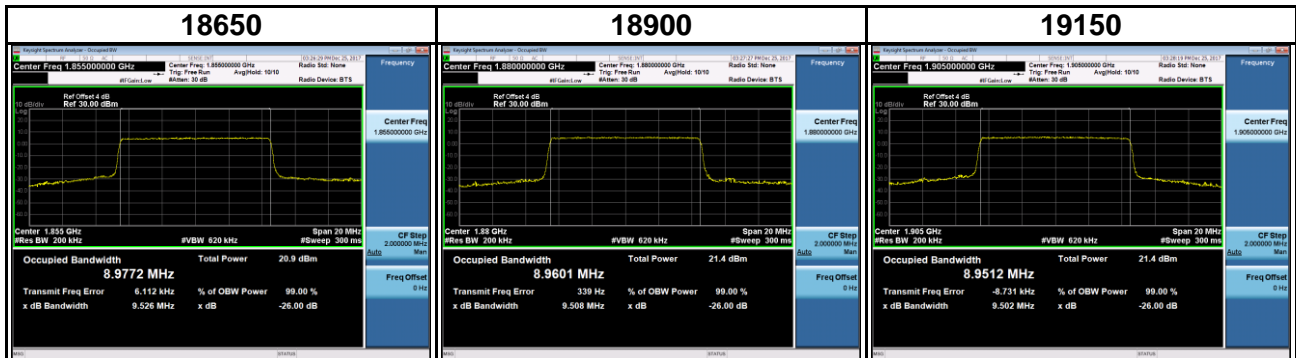
| Band                    | LTE Band 2      |                               |                       |
|-------------------------|-----------------|-------------------------------|-----------------------|
| Channel Bandwidth (MHz) | 5               | Modulation                    | QPSK                  |
| Channel                 | Frequency (MHz) | 99 % Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
| 18625                   | 1852.5          | 4.4911                        | 4.801                 |
| 18900                   | 1880.0          | 4.4879                        | 4.810                 |
| 19075                   | 1907.5          | 4.4864                        | 4.794                 |



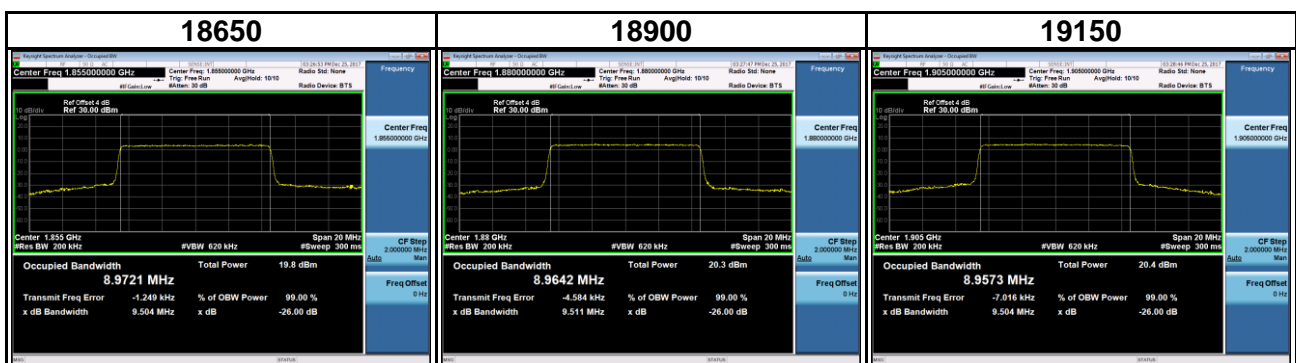
| Band                    | LTE Band 2      |                               |                       |
|-------------------------|-----------------|-------------------------------|-----------------------|
| Channel Bandwidth (MHz) | 5               | Modulation                    | 16QAM                 |
| Channel                 | Frequency (MHz) | 99 % Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
| 18625                   | 1852.5          | 4.4880                        | 4.794                 |
| 18900                   | 1880.0          | 4.4843                        | 4.789                 |
| 19075                   | 1907.5          | 4.4867                        | 4.788                 |



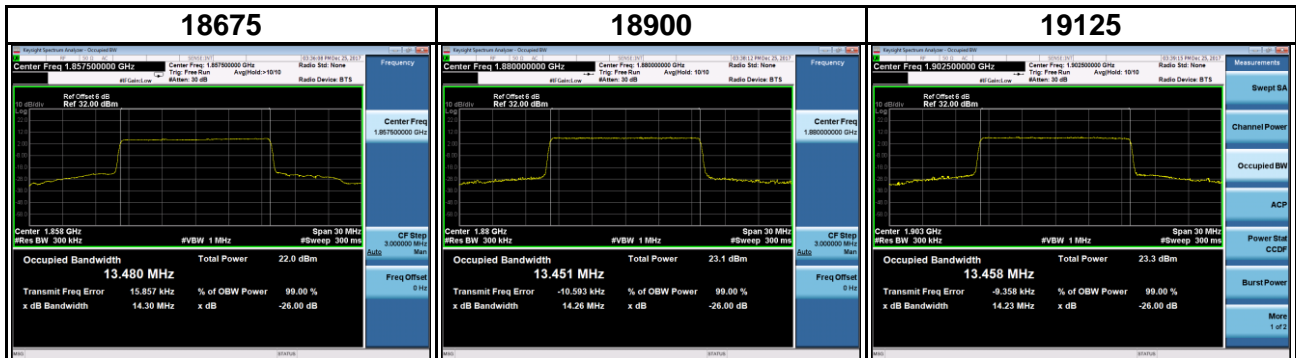
| Band                    | LTE Band 2      |                               |                       |
|-------------------------|-----------------|-------------------------------|-----------------------|
| Channel Bandwidth (MHz) | 10              | Modulation                    | QPSK                  |
| Channel                 | Frequency (MHz) | 99 % Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
| 18650                   | 1855.0          | 8.9772                        | 9.526                 |
| 18900                   | 1880.0          | 8.9601                        | 9.508                 |
| 19150                   | 1905.0          | 8.9512                        | 9.502                 |



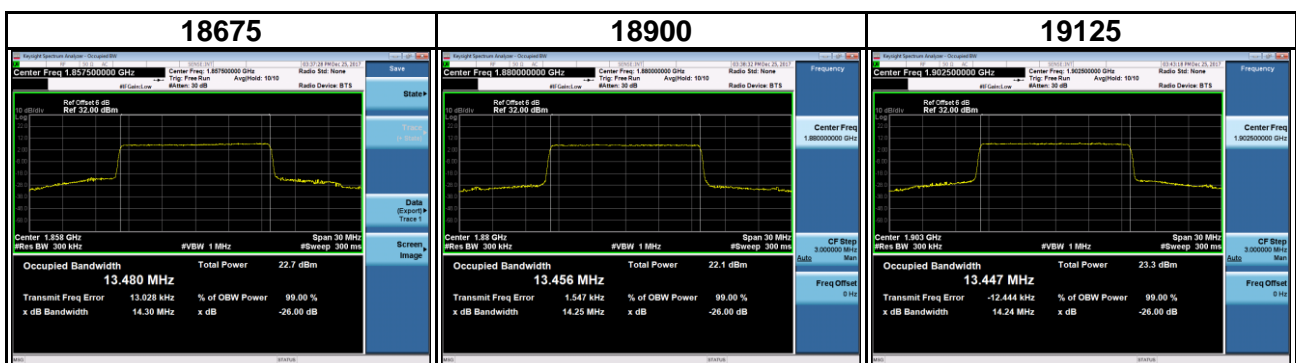
| Band                    | LTE Band 2      |                               |                       |
|-------------------------|-----------------|-------------------------------|-----------------------|
| Channel Bandwidth (MHz) | 10              | Modulation                    | 16QAM                 |
| Channel                 | Frequency (MHz) | 99 % Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
| 18650                   | 1855.0          | 8.9721                        | 9.504                 |
| 18900                   | 1880.0          | 8.9642                        | 9.511                 |
| 19150                   | 1905.0          | 8.9573                        | 9.504                 |



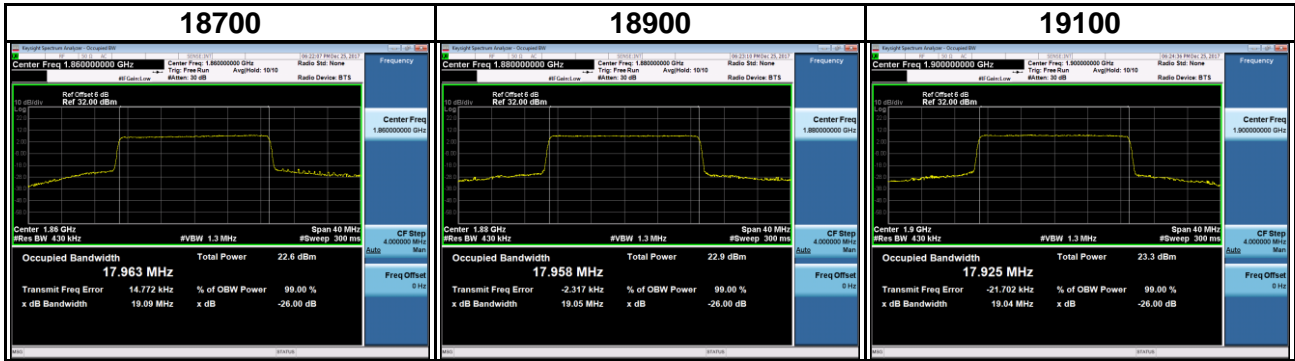
| Band                    | LTE Band 2      |                               |                       |
|-------------------------|-----------------|-------------------------------|-----------------------|
| Channel Bandwidth (MHz) | 15              | Modulation                    | QPSK                  |
| Channel                 | Frequency (MHz) | 99 % Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
| 18675                   | 1857.5          | 13.480                        | 14.30                 |
| 18900                   | 1880.0          | 13.451                        | 14.26                 |
| 19125                   | 1902.5          | 13.458                        | 14.23                 |



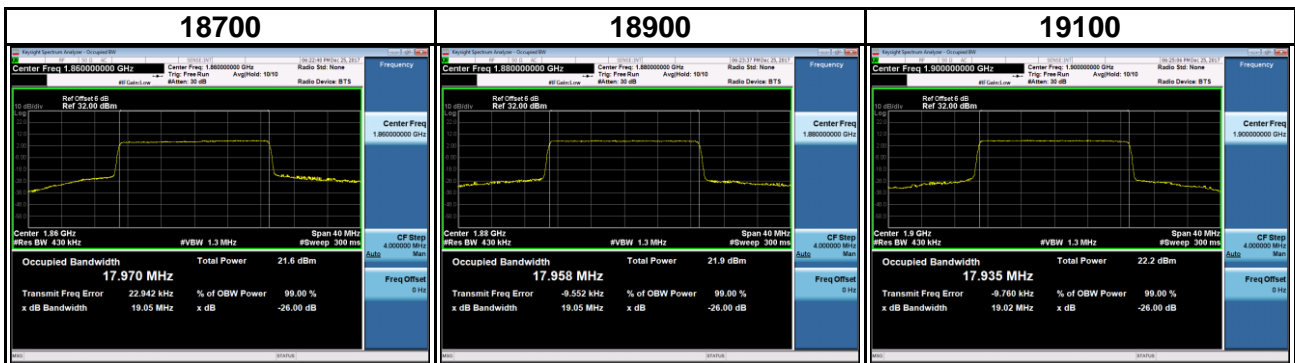
| Band                    | LTE Band 2      |                               |                       |
|-------------------------|-----------------|-------------------------------|-----------------------|
| Channel Bandwidth (MHz) | 15              | Modulation                    | 16QAM                 |
| Channel                 | Frequency (MHz) | 99 % Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
| 18675                   | 1857.5          | 13.480                        | 14.30                 |
| 18900                   | 1880.0          | 13.456                        | 14.25                 |
| 19125                   | 1902.5          | 13.447                        | 14.24                 |



| Band                    | LTE Band 2      |                               |                       |
|-------------------------|-----------------|-------------------------------|-----------------------|
| Channel Bandwidth (MHz) | 20              | Modulation                    | QPSK                  |
| Channel                 | Frequency (MHz) | 99 % Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
| 18700                   | 1860.0          | 17.963                        | 19.09                 |
| 18900                   | 1880.0          | 17.958                        | 19.05                 |
| 19100                   | 1900.0          | 17.925                        | 19.04                 |

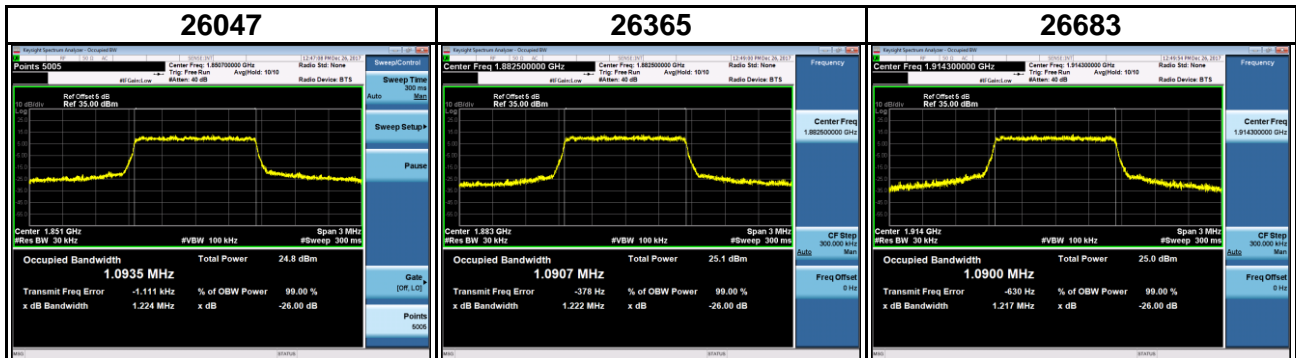


| Band                    | LTE Band 2      |                               |                       |
|-------------------------|-----------------|-------------------------------|-----------------------|
| Channel Bandwidth (MHz) | 20              | Modulation                    | 16QAM                 |
| Channel                 | Frequency (MHz) | 99 % Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
| 18700                   | 1860.0          | 17.970                        | 19.05                 |
| 18900                   | 1880.0          | 17.958                        | 19.05                 |
| 19100                   | 1900.0          | 17.935                        | 19.02                 |

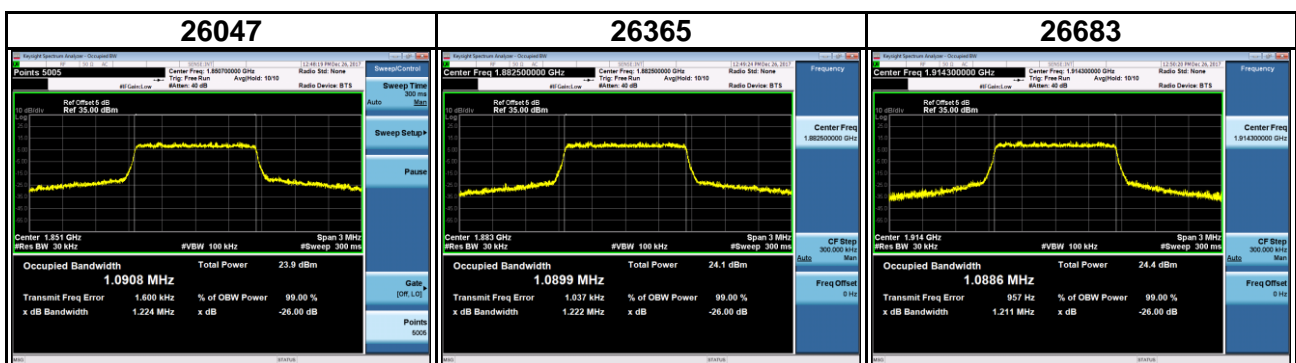




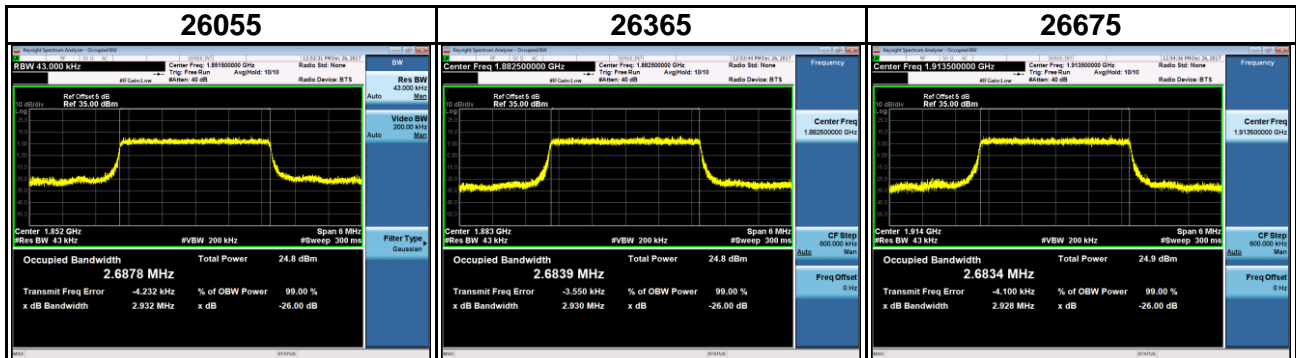
| Band                    | LTE Band 25     |                               |                       |
|-------------------------|-----------------|-------------------------------|-----------------------|
| Channel Bandwidth (MHz) | 1.4             | Modulation                    | QPSK                  |
| Channel                 | Frequency (MHz) | 99 % Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
| 26047                   | 1850.7          | 1.0935                        | 1.224                 |
| 26365                   | 1882.5          | 1.0907                        | 1.222                 |
| 26683                   | 1914.3          | 1.0900                        | 1.217                 |



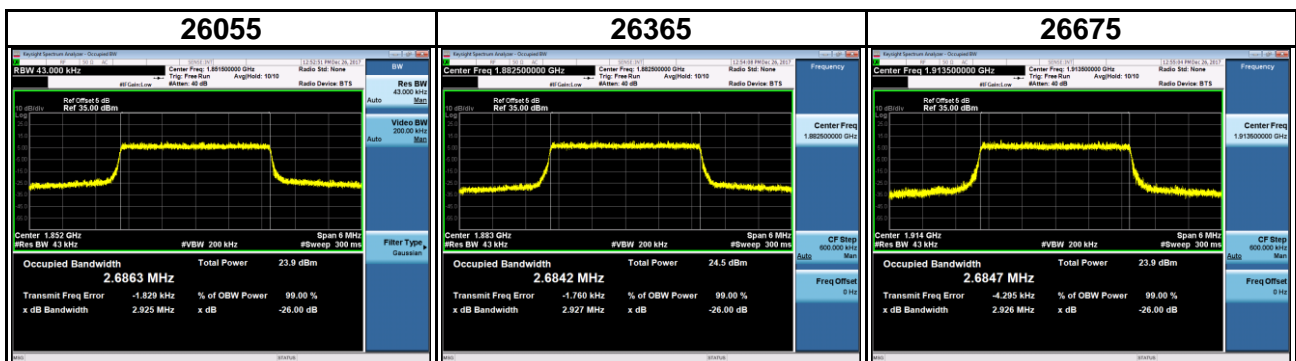
| Band                    | LTE Band 25     |                               |                       |
|-------------------------|-----------------|-------------------------------|-----------------------|
| Channel Bandwidth (MHz) | 1.4             | Modulation                    | 16QAM                 |
| Channel                 | Frequency (MHz) | 99 % Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
| 26047                   | 1850.7          | 1.0908                        | 1.224                 |
| 26365                   | 1882.5          | 1.0899                        | 1.222                 |
| 26683                   | 1914.3          | 1.0886                        | 1.211                 |



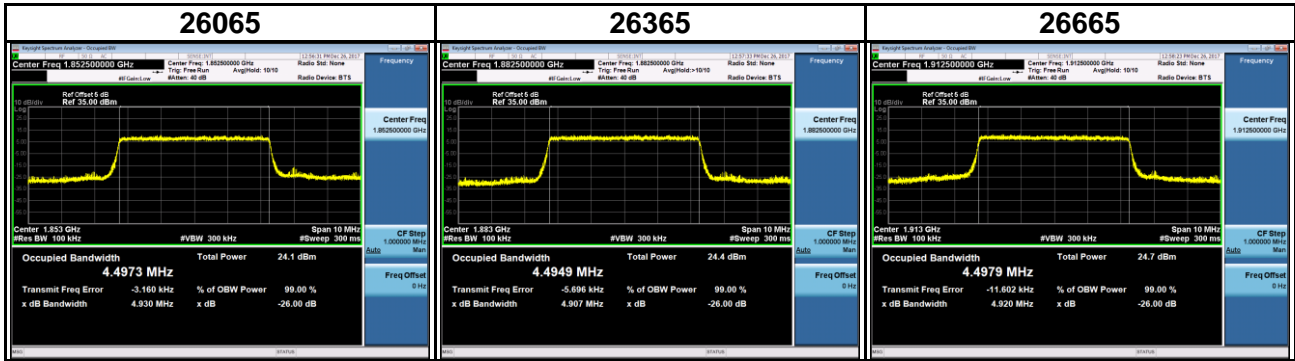
| Band                    | LTE Band 25     |                               |                       |
|-------------------------|-----------------|-------------------------------|-----------------------|
| Channel Bandwidth (MHz) | 3               | Modulation                    | QPSK                  |
| Channel                 | Frequency (MHz) | 99 % Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
| 26055                   | 1851.5          | 2.6878                        | 2.932                 |
| 26365                   | 1882.5          | 2.6839                        | 2.930                 |
| 26675                   | 1913.5          | 2.6834                        | 2.928                 |



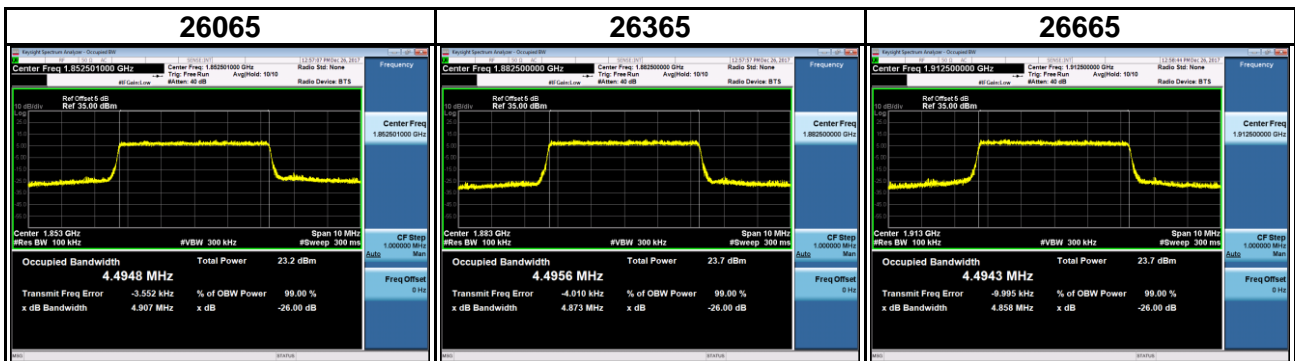
| Band                    | LTE Band 25     |                               |                       |
|-------------------------|-----------------|-------------------------------|-----------------------|
| Channel Bandwidth (MHz) | 3               | Modulation                    | 16QAM                 |
| Channel                 | Frequency (MHz) | 99 % Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
| 26055                   | 1851.5          | 2.6863                        | 2.925                 |
| 26365                   | 1882.5          | 2.6842                        | 2.927                 |
| 26675                   | 1913.5          | 2.6847                        | 2.926                 |



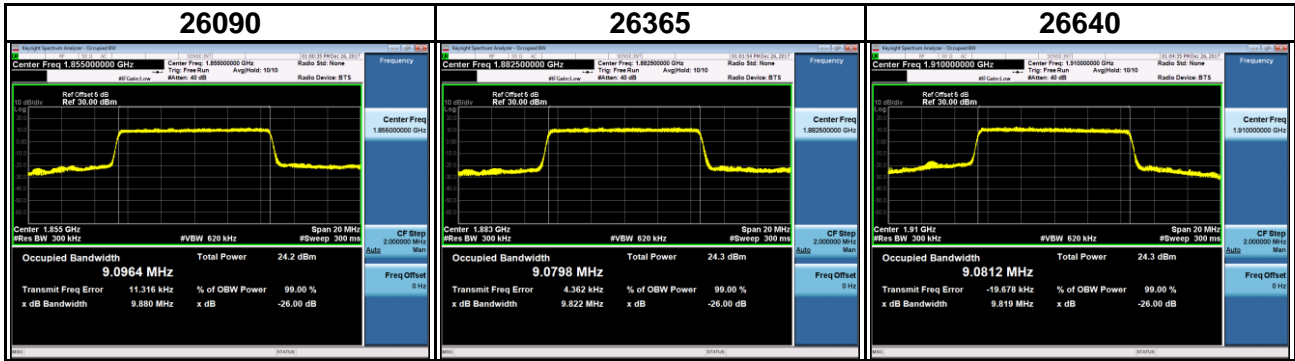
| Band                    | LTE Band 25     |                               |                       |
|-------------------------|-----------------|-------------------------------|-----------------------|
| Channel Bandwidth (MHz) | 5               | Modulation                    | QPSK                  |
| Channel                 | Frequency (MHz) | 99 % Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
| 26065                   | 1852.5          | 4.4973                        | 4.930                 |
| 26365                   | 1882.5          | 4.4949                        | 4.907                 |
| 26665                   | 1912.5          | 4.4979                        | 4.920                 |



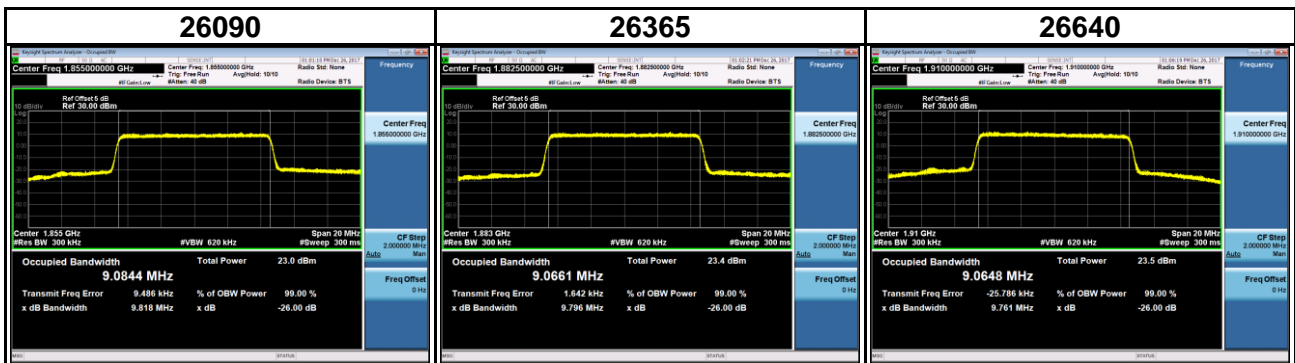
| Band                    | LTE Band 25     |                               |                       |
|-------------------------|-----------------|-------------------------------|-----------------------|
| Channel Bandwidth (MHz) | 5               | Modulation                    | 16QAM                 |
| Channel                 | Frequency (MHz) | 99 % Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
| 26065                   | 1852.5          | 4.4948                        | 4.907                 |
| 26365                   | 1882.5          | 4.4956                        | 4.873                 |
| 26665                   | 1912.5          | 4.4943                        | 4.858                 |



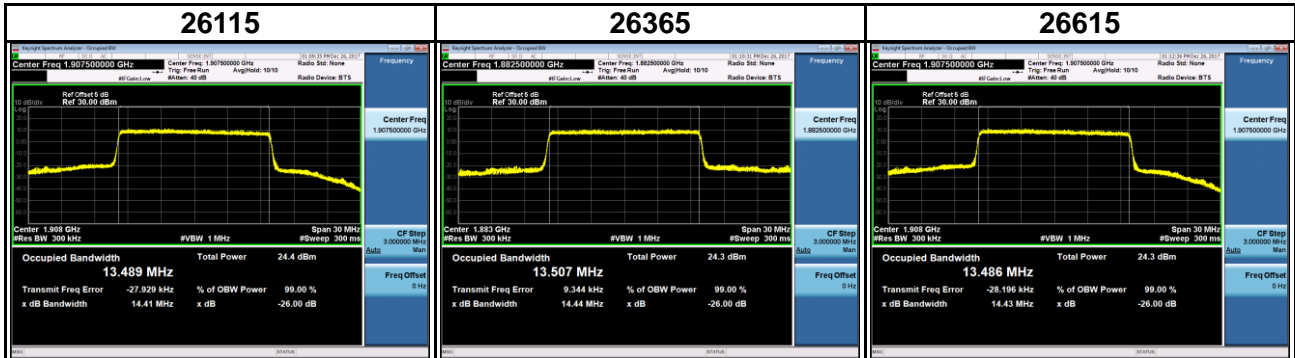
| Band                    | LTE Band 25     |                               |                       |
|-------------------------|-----------------|-------------------------------|-----------------------|
| Channel Bandwidth (MHz) | 10              | Modulation                    | QPSK                  |
| Channel                 | Frequency (MHz) | 99 % Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
| 26090                   | 1855.0          | 9.9064                        | 9.880                 |
| 26365                   | 1882.5          | 9.0798                        | 9.822                 |
| 26640                   | 1910.0          | 9.0812                        | 9.819                 |



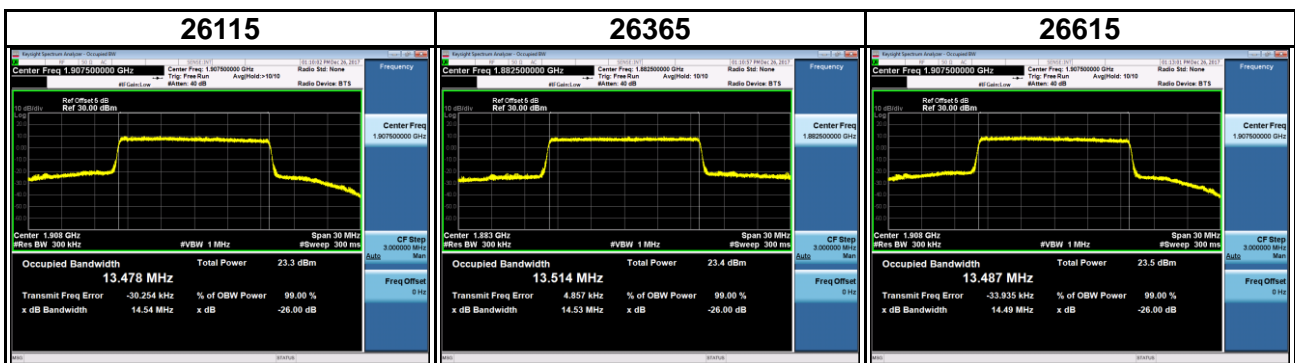
| Band                    | LTE Band 25     |                               |                       |
|-------------------------|-----------------|-------------------------------|-----------------------|
| Channel Bandwidth (MHz) | 10              | Modulation                    | 16QAM                 |
| Channel                 | Frequency (MHz) | 99 % Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
| 26090                   | 1855.0          | 9.0844                        | 9.818                 |
| 26365                   | 1882.5          | 9.0661                        | 9.796                 |
| 26640                   | 1910.0          | 9.0648                        | 9.761                 |



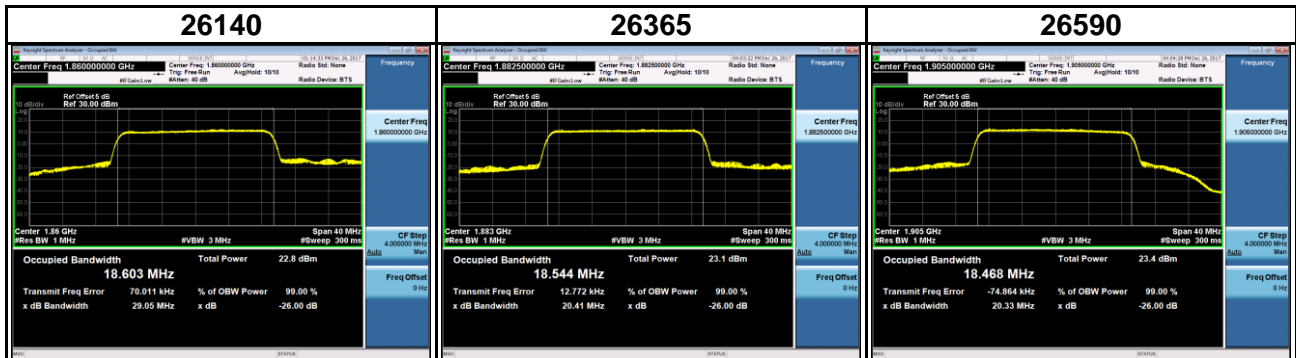
| Band                    | LTE Band 25     |                               |                       |
|-------------------------|-----------------|-------------------------------|-----------------------|
| Channel Bandwidth (MHz) | 15              | Modulation                    | QPSK                  |
| Channel                 | Frequency (MHz) | 99 % Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
| 26115                   | 1907.5          | 13.489                        | 14.41                 |
| 26365                   | 1882.5          | 13.507                        | 14.44                 |
| 26615                   | 1907.5          | 13.486                        | 14.43                 |



| Band                    | LTE Band 25     |                               |                       |
|-------------------------|-----------------|-------------------------------|-----------------------|
| Channel Bandwidth (MHz) | 15              | Modulation                    | 16QAM                 |
| Channel                 | Frequency (MHz) | 99 % Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
| 26115                   | 1907.5          | 13.478                        | 14.54                 |
| 26365                   | 1882.5          | 13.514                        | 14.53                 |
| 26615                   | 1907.5          | 13.487                        | 14.49                 |



| Band                    | LTE Band 25     |                               |                       |
|-------------------------|-----------------|-------------------------------|-----------------------|
| Channel Bandwidth (MHz) | 20              | Modulation                    | QPSK                  |
| Channel                 | Frequency (MHz) | 99 % Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
| 26140                   | 1860.0          | 18.603                        | 29.05                 |
| 26365                   | 1882.5          | 18.544                        | 20.41                 |
| 26590                   | 1905.0          | 18.468                        | 20.33                 |



| Band                    | LTE Band 25     |                               |                       |
|-------------------------|-----------------|-------------------------------|-----------------------|
| Channel Bandwidth (MHz) | 20              | Modulation                    | 16QAM                 |
| Channel                 | Frequency (MHz) | 99 % Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
| 26140                   | 1860.0          | 18.600                        | 28.54                 |
| 26365                   | 1882.5          | 18.567                        | 20.43                 |
| 26590                   | 1905.0          | 18.477                        | 20.35                 |

