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|       |     |                                                   |           |       |         |
|-------|-----|---------------------------------------------------|-----------|-------|---------|
| 10625 | AAC | IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc)         | WLAN      | 8.96  | ± 9.6 % |
| 10626 | AAC | IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc)         | WLAN      | 8.83  | ± 9.6 % |
| 10627 | AAC | IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc)         | WLAN      | 8.88  | ± 9.6 % |
| 10628 | AAC | IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc)         | WLAN      | 8.71  | ± 9.6 % |
| 10629 | AAC | IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc)         | WLAN      | 8.85  | ± 9.6 % |
| 10630 | AAC | IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc)         | WLAN      | 8.72  | ± 9.6 % |
| 10631 | AAC | IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc)         | WLAN      | 8.81  | ± 9.6 % |
| 10632 | AAC | IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc)         | WLAN      | 8.74  | ± 9.6 % |
| 10633 | AAC | IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc)         | WLAN      | 8.83  | ± 9.6 % |
| 10634 | AAC | IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc)         | WLAN      | 8.80  | ± 9.6 % |
| 10635 | AAC | IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc)         | WLAN      | 8.81  | ± 9.6 % |
| 10636 | AAC | IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc)        | WLAN      | 8.83  | ± 9.6 % |
| 10637 | AAC | IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc)        | WLAN      | 8.79  | ± 9.6 % |
| 10638 | AAC | IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc)        | WLAN      | 8.86  | ± 9.6 % |
| 10639 | AAC | IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc)        | WLAN      | 8.85  | ± 9.6 % |
| 10640 | AAC | IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc)        | WLAN      | 8.98  | ± 9.6 % |
| 10641 | AAC | IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc)        | WLAN      | 9.06  | ± 9.6 % |
| 10642 | AAC | IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc)        | WLAN      | 9.06  | ± 9.6 % |
| 10643 | AAC | IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc)        | WLAN      | 8.89  | ± 9.6 % |
| 10644 | AAC | IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc)        | WLAN      | 9.05  | ± 9.6 % |
| 10645 | AAC | IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc)        | WLAN      | 9.11  | ± 9.6 % |
| 10646 | AAC | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)  | LTE-TDD   | 11.96 | ± 9.6 % |
| 10647 | AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7) | LTE-TDD   | 11.96 | ± 9.6 % |
| 10648 | AAC | CDMA2000 (1x Advanced)                            | CDMA2000  | 3.45  | ± 9.6 % |
| 10652 | AAC | LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)    | LTE-TDD   | 6.91  | ± 9.6 % |
| 10653 | AAC | LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)   | LTE-TDD   | 7.42  | ± 9.6 % |
| 10654 | AAC | LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)   | LTE-TDD   | 6.96  | ± 9.6 % |
| 10655 | AAC | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)   | LTE-TDD   | 7.21  | ± 9.6 % |
| 10658 | AAC | Pulse Waveform (200Hz, 10%)                       | Test      | 10.00 | ± 9.6 % |
| 10659 | AAC | Pulse Waveform (200Hz, 20%)                       | Test      | 6.99  | ± 9.6 % |
| 10660 | AAC | Pulse Waveform (200Hz, 40%)                       | Test      | 3.98  | ± 9.6 % |
| 10661 | AAC | Pulse Waveform (200Hz, 60%)                       | Test      | 2.22  | ± 9.6 % |
| 10662 | AAC | Pulse Waveform (200Hz, 80%)                       | Test      | 0.97  | ± 9.6 % |
| 10670 | AAC | Bluetooth Low Energy                              | Bluetooth | 2.19  | ± 9.6 % |
| 10671 | AAD | IEEE 802.11ax (20MHz, MCS0, 90pc dc)              | WLAN      | 9.09  | ± 9.6 % |
| 10672 | AAD | IEEE 802.11ax (20MHz, MCS1, 90pc dc)              | WLAN      | 8.57  | ± 9.6 % |
| 10673 | AAD | IEEE 802.11ax (20MHz, MCS2, 90pc dc)              | WLAN      | 8.78  | ± 9.6 % |
| 10674 | AAD | IEEE 802.11ax (20MHz, MCS3, 90pc dc)              | WLAN      | 8.74  | ± 9.6 % |
| 10675 | AAD | IEEE 802.11ax (20MHz, MCS4, 90pc dc)              | WLAN      | 8.90  | ± 9.6 % |
| 10676 | AAD | IEEE 802.11ax (20MHz, MCS5, 90pc dc)              | WLAN      | 8.77  | ± 9.6 % |
| 10677 | AAD | IEEE 802.11ax (20MHz, MCS6, 90pc dc)              | WLAN      | 8.73  | ± 9.6 % |
| 10678 | AAD | IEEE 802.11ax (20MHz, MCS7, 90pc dc)              | WLAN      | 8.78  | ± 9.6 % |
| 10679 | AAD | IEEE 802.11ax (20MHz, MCS8, 90pc dc)              | WLAN      | 8.89  | ± 9.6 % |
| 10680 | AAD | IEEE 802.11ax (20MHz, MCS9, 90pc dc)              | WLAN      | 8.80  | ± 9.6 % |
| 10681 | AAG | IEEE 802.11ax (20MHz, MCS10, 90pc dc)             | WLAN      | 8.62  | ± 9.6 % |
| 10682 | AAF | IEEE 802.11ax (20MHz, MCS11, 90pc dc)             | WLAN      | 8.83  | ± 9.6 % |
| 10683 | AAA | IEEE 802.11ax (20MHz, MCS0, 99pc dc)              | WLAN      | 8.42  | ± 9.6 % |
| 10684 | AAC | IEEE 802.11ax (20MHz, MCS1, 99pc dc)              | WLAN      | 8.26  | ± 9.6 % |
| 10685 | AAC | IEEE 802.11ax (20MHz, MCS2, 99pc dc)              | WLAN      | 8.33  | ± 9.6 % |
| 10686 | AAC | IEEE 802.11ax (20MHz, MCS3, 99pc dc)              | WLAN      | 8.28  | ± 9.6 % |
| 10687 | AAE | IEEE 802.11ax (20MHz, MCS4, 99pc dc)              | WLAN      | 8.45  | ± 9.6 % |
| 10688 | AAE | IEEE 802.11ax (20MHz, MCS5, 99pc dc)              | WLAN      | 8.29  | ± 9.6 % |
| 10689 | AAD | IEEE 802.11ax (20MHz, MCS6, 99pc dc)              | WLAN      | 8.55  | ± 9.6 % |
| 10690 | AAE | IEEE 802.11ax (20MHz, MCS7, 99pc dc)              | WLAN      | 8.29  | ± 9.6 % |
| 10691 | AAB | IEEE 802.11ax (20MHz, MCS8, 99pc dc)              | WLAN      | 8.25  | ± 9.6 % |
| 10692 | AAA | IEEE 802.11ax (20MHz, MCS9, 99pc dc)              | WLAN      | 8.29  | ± 9.6 % |
| 10693 | AAA | IEEE 802.11ax (20MHz, MCS10, 99pc dc)             | WLAN      | 8.25  | ± 9.6 % |
| 10694 | AAA | IEEE 802.11ax (20MHz, MCS11, 99pc dc)             | WLAN      | 8.57  | ± 9.6 % |
| 10695 | AAA | IEEE 802.11ax (40MHz, MCS0, 90pc dc)              | WLAN      | 8.78  | ± 9.6 % |



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|-------|-----|----------------------------------------|------|------|---------|
| 10696 | AAA | IEEE 802.11ax (40MHz, MCS1, 90pc dc)   | WLAN | 8.91 | ± 9.6 % |
| 10697 | AAA | IEEE 802.11ax (40MHz, MCS2, 90pc dc)   | WLAN | 8.61 | ± 9.6 % |
| 10698 | AAA | IEEE 802.11ax (40MHz, MCS3, 90pc dc)   | WLAN | 8.89 | ± 9.6 % |
| 10699 | AAA | IEEE 802.11ax (40MHz, MCS4, 90pc dc)   | WLAN | 8.82 | ± 9.6 % |
| 10700 | AAA | IEEE 802.11ax (40MHz, MCS5, 90pc dc)   | WLAN | 8.73 | ± 9.6 % |
| 10701 | AAA | IEEE 802.11ax (40MHz, MCS6, 90pc dc)   | WLAN | 8.86 | ± 9.6 % |
| 10702 | AAA | IEEE 802.11ax (40MHz, MCS7, 90pc dc)   | WLAN | 8.70 | ± 9.6 % |
| 10703 | AAA | IEEE 802.11ax (40MHz, MCS8, 90pc dc)   | WLAN | 8.82 | ± 9.6 % |
| 10704 | AAA | IEEE 802.11ax (40MHz, MCS9, 90pc dc)   | WLAN | 8.56 | ± 9.6 % |
| 10705 | AAA | IEEE 802.11ax (40MHz, MCS10, 90pc dc)  | WLAN | 8.69 | ± 9.6 % |
| 10706 | AAC | IEEE 802.11ax (40MHz, MCS11, 90pc dc)  | WLAN | 8.66 | ± 9.6 % |
| 10707 | AAC | IEEE 802.11ax (40MHz, MCS0, 99pc dc)   | WLAN | 8.32 | ± 9.6 % |
| 10708 | AAC | IEEE 802.11ax (40MHz, MCS1, 99pc dc)   | WLAN | 8.55 | ± 9.6 % |
| 10709 | AAC | IEEE 802.11ax (40MHz, MCS2, 99pc dc)   | WLAN | 8.33 | ± 9.6 % |
| 10710 | AAC | IEEE 802.11ax (40MHz, MCS3, 99pc dc)   | WLAN | 8.29 | ± 9.6 % |
| 10711 | AAC | IEEE 802.11ax (40MHz, MCS4, 99pc dc)   | WLAN | 8.39 | ± 9.6 % |
| 10712 | AAC | IEEE 802.11ax (40MHz, MCS5, 99pc dc)   | WLAN | 8.67 | ± 9.6 % |
| 10713 | AAC | IEEE 802.11ax (40MHz, MCS6, 99pc dc)   | WLAN | 8.33 | ± 9.6 % |
| 10714 | AAC | IEEE 802.11ax (40MHz, MCS7, 99pc dc)   | WLAN | 8.26 | ± 9.6 % |
| 10715 | AAC | IEEE 802.11ax (40MHz, MCS8, 99pc dc)   | WLAN | 8.45 | ± 9.6 % |
| 10716 | AAC | IEEE 802.11ax (40MHz, MCS9, 99pc dc)   | WLAN | 8.30 | ± 9.6 % |
| 10717 | AAC | IEEE 802.11ax (40MHz, MCS10, 99pc dc)  | WLAN | 8.48 | ± 9.6 % |
| 10718 | AAC | IEEE 802.11ax (40MHz, MCS11, 99pc dc)  | WLAN | 8.24 | ± 9.6 % |
| 10719 | AAC | IEEE 802.11ax (80MHz, MCS0, 90pc dc)   | WLAN | 8.81 | ± 9.6 % |
| 10720 | AAC | IEEE 802.11ax (80MHz, MCS1, 90pc dc)   | WLAN | 8.87 | ± 9.6 % |
| 10721 | AAC | IEEE 802.11ax (80MHz, MCS2, 90pc dc)   | WLAN | 8.76 | ± 9.6 % |
| 10722 | AAC | IEEE 802.11ax (80MHz, MCS3, 90pc dc)   | WLAN | 8.55 | ± 9.6 % |
| 10723 | AAC | IEEE 802.11ax (80MHz, MCS4, 90pc dc)   | WLAN | 8.70 | ± 9.6 % |
| 10724 | AAC | IEEE 802.11ax (80MHz, MCS5, 90pc dc)   | WLAN | 8.90 | ± 9.6 % |
| 10725 | AAC | IEEE 802.11ax (80MHz, MCS6, 90pc dc)   | WLAN | 8.74 | ± 9.6 % |
| 10726 | AAC | IEEE 802.11ax (80MHz, MCS7, 90pc dc)   | WLAN | 8.72 | ± 9.6 % |
| 10727 | AAC | IEEE 802.11ax (80MHz, MCS8, 90pc dc)   | WLAN | 8.66 | ± 9.6 % |
| 10728 | AAC | IEEE 802.11ax (80MHz, MCS9, 90pc dc)   | WLAN | 8.65 | ± 9.6 % |
| 10729 | AAC | IEEE 802.11ax (80MHz, MCS10, 90pc dc)  | WLAN | 8.64 | ± 9.6 % |
| 10730 | AAC | IEEE 802.11ax (80MHz, MCS11, 90pc dc)  | WLAN | 8.67 | ± 9.6 % |
| 10731 | AAC | IEEE 802.11ax (80MHz, MCS0, 99pc dc)   | WLAN | 8.42 | ± 9.6 % |
| 10732 | AAC | IEEE 802.11ax (80MHz, MCS1, 99pc dc)   | WLAN | 8.46 | ± 9.6 % |
| 10733 | AAC | IEEE 802.11ax (80MHz, MCS2, 99pc dc)   | WLAN | 8.40 | ± 9.6 % |
| 10734 | AAC | IEEE 802.11ax (80MHz, MCS3, 99pc dc)   | WLAN | 8.25 | ± 9.6 % |
| 10735 | AAC | IEEE 802.11ax (80MHz, MCS4, 99pc dc)   | WLAN | 8.33 | ± 9.6 % |
| 10736 | AAC | IEEE 802.11ax (80MHz, MCS5, 99pc dc)   | WLAN | 8.27 | ± 9.6 % |
| 10737 | AAC | IEEE 802.11ax (80MHz, MCS6, 99pc dc)   | WLAN | 8.36 | ± 9.6 % |
| 10738 | AAC | IEEE 802.11ax (80MHz, MCS7, 99pc dc)   | WLAN | 8.42 | ± 9.6 % |
| 10739 | AAC | IEEE 802.11ax (80MHz, MCS8, 99pc dc)   | WLAN | 8.29 | ± 9.6 % |
| 10740 | AAC | IEEE 802.11ax (80MHz, MCS9, 99pc dc)   | WLAN | 8.48 | ± 9.6 % |
| 10741 | AAC | IEEE 802.11ax (80MHz, MCS10, 99pc dc)  | WLAN | 8.40 | ± 9.6 % |
| 10742 | AAC | IEEE 802.11ax (80MHz, MCS11, 99pc dc)  | WLAN | 8.43 | ± 9.6 % |
| 10743 | AAC | IEEE 802.11ax (160MHz, MCS0, 90pc dc)  | WLAN | 8.94 | ± 9.6 % |
| 10744 | AAC | IEEE 802.11ax (160MHz, MCS1, 90pc dc)  | WLAN | 9.16 | ± 9.6 % |
| 10745 | AAC | IEEE 802.11ax (160MHz, MCS2, 90pc dc)  | WLAN | 8.93 | ± 9.6 % |
| 10746 | AAC | IEEE 802.11ax (160MHz, MCS3, 90pc dc)  | WLAN | 9.11 | ± 9.6 % |
| 10747 | AAC | IEEE 802.11ax (160MHz, MCS4, 90pc dc)  | WLAN | 9.04 | ± 9.6 % |
| 10748 | AAC | IEEE 802.11ax (160MHz, MCS5, 90pc dc)  | WLAN | 8.93 | ± 9.6 % |
| 10749 | AAC | IEEE 802.11ax (160MHz, MCS6, 90pc dc)  | WLAN | 8.90 | ± 9.6 % |
| 10750 | AAC | IEEE 802.11ax (160MHz, MCS7, 90pc dc)  | WLAN | 8.79 | ± 9.6 % |
| 10751 | AAC | IEEE 802.11ax (160MHz, MCS8, 90pc dc)  | WLAN | 8.82 | ± 9.6 % |
| 10752 | AAC | IEEE 802.11ax (160MHz, MCS9, 90pc dc)  | WLAN | 8.81 | ± 9.6 % |
| 10753 | AAC | IEEE 802.11ax (160MHz, MCS10, 90pc dc) | WLAN | 9.00 | ± 9.6 % |
| 10754 | AAC | IEEE 802.11ax (160MHz, MCS11, 90pc dc) | WLAN | 8.94 | ± 9.6 % |



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|-------|-----|------------------------------------------------|---------------|------|---------|
| 10755 | AAC | IEEE 802.11ax (160MHz, MCS0, 99pc dc)          | WLAN          | 8.64 | ± 9.6 % |
| 10756 | AAC | IEEE 802.11ax (160MHz, MCS1, 99pc dc)          | WLAN          | 8.77 | ± 9.6 % |
| 10757 | AAC | IEEE 802.11ax (160MHz, MCS2, 99pc dc)          | WLAN          | 8.77 | ± 9.6 % |
| 10758 | AAC | IEEE 802.11ax (160MHz, MCS3, 99pc dc)          | WLAN          | 8.69 | ± 9.6 % |
| 10759 | AAC | IEEE 802.11ax (160MHz, MCS4, 99pc dc)          | WLAN          | 8.58 | ± 9.6 % |
| 10760 | AAC | IEEE 802.11ax (160MHz, MCS5, 99pc dc)          | WLAN          | 8.49 | ± 9.6 % |
| 10761 | AAC | IEEE 802.11ax (160MHz, MCS6, 99pc dc)          | WLAN          | 8.58 | ± 9.6 % |
| 10762 | AAC | IEEE 802.11ax (160MHz, MCS7, 99pc dc)          | WLAN          | 8.49 | ± 9.6 % |
| 10763 | AAC | IEEE 802.11ax (160MHz, MCS8, 99pc dc)          | WLAN          | 8.53 | ± 9.6 % |
| 10764 | AAC | IEEE 802.11ax (160MHz, MCS9, 99pc dc)          | WLAN          | 8.54 | ± 9.6 % |
| 10765 | AAC | IEEE 802.11ax (160MHz, MCS10, 99pc dc)         | WLAN          | 8.54 | ± 9.6 % |
| 10766 | AAC | IEEE 802.11ax (160MHz, MCS11, 99pc dc)         | WLAN          | 8.51 | ± 9.6 % |
| 10767 | AAC | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)     | 5G NR FR1 TDD | 7.99 | ± 9.6 % |
| 10768 | AAC | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.01 | ± 9.6 % |
| 10769 | AAC | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.01 | ± 9.6 % |
| 10770 | AAC | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.02 | ± 9.6 % |
| 10771 | AAC | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.02 | ± 9.6 % |
| 10772 | AAC | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.23 | ± 9.6 % |
| 10773 | AAC | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.03 | ± 9.6 % |
| 10774 | AAC | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.02 | ± 9.6 % |
| 10775 | AAC | 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.31 | ± 9.6 % |
| 10776 | AAC | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.30 | ± 9.6 % |
| 10777 | AAC | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.30 | ± 9.6 % |
| 10778 | AAC | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10779 | AAC | 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.42 | ± 9.6 % |
| 10780 | AAC | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.38 | ± 9.6 % |
| 10781 | AAC | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.38 | ± 9.6 % |
| 10782 | AAC | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.43 | ± 9.6 % |
| 10783 | AAC | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.31 | ± 9.6 % |
| 10784 | AAC | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.29 | ± 9.6 % |
| 10785 | AAC | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.40 | ± 9.6 % |
| 10786 | AAC | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10787 | AAC | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.44 | ± 9.6 % |
| 10788 | AAC | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.39 | ± 9.6 % |
| 10789 | AAC | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10790 | AAC | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.39 | ± 9.6 % |
| 10791 | AAC | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.83 | ± 9.6 % |
| 10792 | AAC | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.92 | ± 9.6 % |
| 10793 | AAC | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.95 | ± 9.6 % |
| 10794 | AAC | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.82 | ± 9.6 % |
| 10795 | AAC | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.84 | ± 9.6 % |
| 10796 | AAC | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.82 | ± 9.6 % |
| 10797 | AAC | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 8.01 | ± 9.6 % |
| 10798 | AAC | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.89 | ± 9.6 % |
| 10799 | AAC | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.93 | ± 9.6 % |
| 10801 | AAC | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.89 | ± 9.6 % |
| 10802 | AAC | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.87 | ± 9.6 % |
| 10803 | AAC | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 7.93 | ± 9.6 % |
| 10805 | AAD | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10806 | AAD | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10809 | AAD | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10810 | AAD | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10812 | AAD | 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10817 | AAD | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10818 | AAD | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10819 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.33 | ± 9.6 % |
| 10820 | AAD | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.30 | ± 9.6 % |
| 10821 | AAC | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10822 | AAD | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |



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|-------|-----|------------------------------------------------------|---------------|------|---------|
| 10823 | AAC | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 8.36 | ± 9.6 % |
| 10824 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 8.39 | ± 9.6 % |
| 10825 | AAD | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10827 | AAD | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 8.42 | ± 9.6 % |
| 10828 | AAE | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 8.43 | ± 9.6 % |
| 10829 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 8.40 | ± 9.6 % |
| 10830 | AAD | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.63 | ± 9.6 % |
| 10831 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.73 | ± 9.6 % |
| 10832 | AAD | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.74 | ± 9.6 % |
| 10833 | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.70 | ± 9.6 % |
| 10834 | AAD | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.75 | ± 9.6 % |
| 10835 | AAD | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.70 | ± 9.6 % |
| 10836 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.66 | ± 9.6 % |
| 10837 | AAD | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.68 | ± 9.6 % |
| 10839 | AAD | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.70 | ± 9.6 % |
| 10840 | AAD | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.67 | ± 9.6 % |
| 10841 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)         | 5G NR FR1 TDD | 7.71 | ± 9.6 % |
| 10843 | AAD | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)        | 5G NR FR1 TDD | 8.49 | ± 9.6 % |
| 10844 | AAD | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)        | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10846 | AAD | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)        | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10854 | AAD | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10855 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.36 | ± 9.6 % |
| 10856 | AAD | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10857 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10858 | AAD | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.36 | ± 9.6 % |
| 10859 | AAD | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10860 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10861 | AAD | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.40 | ± 9.6 % |
| 10863 | AAD | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10864 | AAE | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10865 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)      | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10866 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10868 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.89 | ± 9.6 % |
| 10869 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)     | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10870 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)  | 5G NR FR2 TDD | 5.86 | ± 9.6 % |
| 10871 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)    | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10872 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.52 | ± 9.6 % |
| 10873 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)    | 5G NR FR2 TDD | 6.61 | ± 9.6 % |
| 10874 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.65 | ± 9.6 % |
| 10875 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)        | 5G NR FR2 TDD | 7.78 | ± 9.6 % |
| 10876 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)     | 5G NR FR2 TDD | 8.39 | ± 9.6 % |
| 10877 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)       | 5G NR FR2 TDD | 7.95 | ± 9.6 % |
| 10878 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)    | 5G NR FR2 TDD | 8.41 | ± 9.6 % |
| 10879 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)       | 5G NR FR2 TDD | 8.12 | ± 9.6 % |
| 10880 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)    | 5G NR FR2 TDD | 8.38 | ± 9.6 % |
| 10881 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)      | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10882 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)   | 5G NR FR2 TDD | 5.96 | ± 9.6 % |
| 10883 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)     | 5G NR FR2 TDD | 6.57 | ± 9.6 % |
| 10884 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)  | 5G NR FR2 TDD | 6.53 | ± 9.6 % |
| 10885 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)     | 5G NR FR2 TDD | 6.61 | ± 9.6 % |
| 10886 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)  | 5G NR FR2 TDD | 6.65 | ± 9.6 % |
| 10887 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)         | 5G NR FR2 TDD | 7.78 | ± 9.6 % |
| 10888 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)      | 5G NR FR2 TDD | 8.35 | ± 9.6 % |
| 10889 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)        | 5G NR FR2 TDD | 8.02 | ± 9.6 % |
| 10890 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)     | 5G NR FR2 TDD | 8.40 | ± 9.6 % |
| 10891 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)        | 5G NR FR2 TDD | 8.13 | ± 9.6 % |
| 10892 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)     | 5G NR FR2 TDD | 8.41 | ± 9.6 % |
| 10897 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)        | 5G NR FR1 TDD | 5.66 | ± 9.6 % |
| 10898 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.67 | ± 9.6 % |



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|-------|-----|----------------------------------------------------|---------------|------|---------|
| 10899 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.67 | ± 9.6 % |
| 10900 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10901 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10902 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10903 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10904 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10905 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10906 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10907 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.78 | ± 9.6 % |
| 10908 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.93 | ± 9.6 % |
| 10909 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.96 | ± 9.6 % |
| 10910 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.83 | ± 9.6 % |
| 10911 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.93 | ± 9.6 % |
| 10912 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10913 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10914 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.85 | ± 9.6 % |
| 10915 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.83 | ± 9.6 % |
| 10916 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.87 | ± 9.6 % |
| 10917 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 5.94 | ± 9.6 % |
| 10918 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.86 | ± 9.6 % |
| 10919 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 5.86 | ± 9.6 % |
| 10920 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 5.87 | ± 9.6 % |
| 10921 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10922 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 5.82 | ± 9.6 % |
| 10923 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10924 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10925 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 5.95 | ± 9.6 % |
| 10926 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10927 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 5.94 | ± 9.6 % |
| 10928 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.52 | ± 9.6 % |
| 10929 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)     | 5G NR FR1 FDD | 5.52 | ± 9.6 % |
| 10930 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)     | 5G NR FR1 FDD | 5.52 | ± 9.6 % |
| 10931 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)     | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10932 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)     | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10933 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)     | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10934 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)     | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10935 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)     | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10936 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.90 | ± 9.6 % |
| 10937 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.77 | ± 9.6 % |
| 10938 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.90 | ± 9.6 % |
| 10939 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.82 | ± 9.6 % |
| 10940 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.89 | ± 9.6 % |
| 10941 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.83 | ± 9.6 % |
| 10942 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.85 | ± 9.6 % |
| 10943 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.95 | ± 9.6 % |
| 10944 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.81 | ± 9.6 % |
| 10945 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)  | 5G NR FR1 FDD | 5.85 | ± 9.6 % |
| 10946 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)  | 5G NR FR1 FDD | 5.83 | ± 9.6 % |
| 10947 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)  | 5G NR FR1 FDD | 5.87 | ± 9.6 % |
| 10948 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)  | 5G NR FR1 FDD | 5.94 | ± 9.6 % |
| 10949 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)  | 5G NR FR1 FDD | 5.87 | ± 9.6 % |
| 10950 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)  | 5G NR FR1 FDD | 5.94 | ± 9.6 % |
| 10951 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)  | 5G NR FR1 FDD | 5.92 | ± 9.6 % |
| 10952 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.25 | ± 9.6 % |
| 10953 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.15 | ± 9.6 % |
| 10954 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.23 | ± 9.6 % |
| 10955 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.42 | ± 9.6 % |
| 10956 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.14 | ± 9.6 % |
| 10957 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.31 | ± 9.6 % |



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| 10958 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.61  | ± 9.6 % |
| 10959 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.33  | ± 9.6 % |
| 10960 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)   | 5G NR FR1 TDD | 9.32  | ± 9.6 % |
| 10961 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.36  | ± 9.6 % |
| 10962 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.40  | ± 9.6 % |
| 10963 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.55  | ± 9.6 % |
| 10964 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)   | 5G NR FR1 TDD | 9.29  | ± 9.6 % |
| 10965 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.37  | ± 9.6 % |
| 10966 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.55  | ± 9.6 % |
| 10967 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.42  | ± 9.6 % |
| 10968 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.49  | ± 9.6 % |
| 10972 | AAB | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         | 5G NR FR1 TDD | 11.59 | ± 9.6 % |
| 10973 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 9.06  | ± 9.6 % |
| 10974 | AAB | 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)  | 5G NR FR1 TDD | 10.28 | ± 9.6 % |
| 10978 | AAA | ULLA BDR                                            | ULLA          | 1.16  | ± 9.6 % |
| 10979 | AAA | ULLA HDR4                                           | ULLA          | 8.58  | ± 9.6 % |
| 10980 | AAA | ULLA HDR8                                           | ULLA          | 10.32 | ± 9.6 % |
| 10981 | AAA | ULLA HDRp4                                          | ULLA          | 3.19  | ± 9.6 % |
| 10982 | AAA | ULLA HDRp8                                          | ULLA          | 3.43  | ± 9.6 % |
| 10983 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.31  | ± 9.6 % |
| 10984 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.42  | ± 9.6 % |
| 10985 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.54  | ± 9.6 % |
| 10986 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.50  | ± 9.6 % |
| 10987 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.53  | ± 9.6 % |
| 10988 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.38  | ± 9.6 % |
| 10989 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.33  | ± 9.6 % |
| 10990 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.52  | ± 9.6 % |
| 11003 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 10.24 | ± 9.6 % |
| 11004 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 10.73 | ± 9.6 % |
| 11005 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.70  | ± 9.6 % |
| 11006 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.55  | ± 9.6 % |
| 11007 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.46  | ± 9.6 % |
| 11008 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.51  | ± 9.6 % |
| 11009 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.76  | ± 9.6 % |
| 11010 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.95  | ± 9.6 % |
| 11011 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.96  | ± 9.6 % |
| 11012 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.68  | ± 9.6 % |
| 11013 | AAB | IEEE 802.11be (320MHz, MCS1, 99pc duty cycle)       | WLAN          | 8.47  | ± 9.6 % |
| 11014 | AAB | IEEE 802.11be (320MHz, MCS2, 99pc duty cycle)       | WLAN          | 8.45  | ± 9.6 % |
| 11015 | AAB | IEEE 802.11be (320MHz, MCS3, 99pc duty cycle)       | WLAN          | 8.44  | ± 9.6 % |
| 11016 | AAB | IEEE 802.11be (320MHz, MCS4, 99pc duty cycle)       | WLAN          | 8.44  | ± 9.6 % |
| 11017 | AAB | IEEE 802.11be (320MHz, MCS5, 99pc duty cycle)       | WLAN          | 8.41  | ± 9.6 % |
| 11018 | AAB | IEEE 802.11be (320MHz, MCS6, 99pc duty cycle)       | WLAN          | 8.40  | ± 9.6 % |
| 11019 | AAB | IEEE 802.11be (320MHz, MCS7, 99pc duty cycle)       | WLAN          | 8.29  | ± 9.6 % |
| 11020 | AAB | IEEE 802.11be (320MHz, MCS8, 99pc duty cycle)       | WLAN          | 8.27  | ± 9.6 % |
| 11021 | AAB | IEEE 802.11be (320MHz, MCS9, 99pc duty cycle)       | WLAN          | 8.46  | ± 9.6 % |
| 11022 | AAB | IEEE 802.11be (320MHz, MCS10, 99pc duty cycle)      | WLAN          | 8.36  | ± 9.6 % |
| 11023 | AAB | IEEE 802.11be (320MHz, MCS11, 99pc duty cycle)      | WLAN          | 8.09  | ± 9.6 % |
| 11024 | AAB | IEEE 802.11be (320MHz, MCS12, 99pc duty cycle)      | WLAN          | 8.42  | ± 9.6 % |
| 11025 | AAB | IEEE 802.11be (320MHz, MCS13, 99pc duty cycle)      | WLAN          | 8.37  | ± 9.6 % |
| 11026 | AAB | IEEE 802.11be (320MHz, MCS0, 99pc duty cycle)       | WLAN          | 8.39  | ± 9.6 % |

<sup>E</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.



Client : **7layers**

Certificate No: **24J02Z000385**

## CALIBRATION CERTIFICATE

Object **DAE4 - SN: 755**

Calibration Procedure(s) **FF-Z11-002-01**  
**Calibration Procedure for the Data Acquisition Electronics (DAEx)**

Calibration date: **July 05, 2024**

This calibration Certificate documents the traceability to national standards, which realize the physical units of measurements(SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature( $22\pm 3$ ) $^{\circ}\text{C}$  and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards      | ID #    | Cal Date(Calibrated by, Certificate No.) | Scheduled Calibration |
|------------------------|---------|------------------------------------------|-----------------------|
| Process Calibrator 753 | 1971018 | 11-Jun-24 (CTTL, No.24J02X005147)        | Jun-25                |

|                |             |                    |
|----------------|-------------|--------------------|
|                | Name        | Function           |
| Calibrated by: | Yu Zongying | SAR Test Engineer  |
| Reviewed by:   | Lin Jun     | SAR Test Engineer  |
| Approved by:   | Qi Dianyuan | SAR Project Leader |

Signature



Issued: July 07, 2024

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.



In Collaboration with

**s p e a g**  
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### **Glossary:**

DAE data acquisition electronics  
Connector angle information used in DASY system to align probe sensor X to the robot coordinate system.

### **Methods Applied and Interpretation of Parameters:**

- *DC Voltage Measurement:* Calibration Factor assessed for use in DASY system by comparison with a calibrated instrument traceable to national standards. The figure given corresponds to the full scale range of the voltmeter in the respective range.
- *Connector angle:* The angle of the connector is assessed measuring the angle mechanically by a tool inserted. Uncertainty is not required.
- The report provide only calibration results for DAE, it does not contain other performance test results.





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## DC Voltage Measurement

A/D - Converter Resolution nominal

High Range: 1LSB =  $6.1\mu\text{V}$ , full range = -100...+300 mV

Low Range: 1LSB =  $61\text{nV}$ , full range = -1.....+3mV

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

| Calibration Factors | X                          | Y                          | Z                          |
|---------------------|----------------------------|----------------------------|----------------------------|
| High Range          | $405.325 \pm 0.15\% (k=2)$ | $404.544 \pm 0.15\% (k=2)$ | $405.090 \pm 0.15\% (k=2)$ |
| Low Range           | $3.93382 \pm 0.7\% (k=2)$  | $3.95511 \pm 0.7\% (k=2)$  | $3.93494 \pm 0.7\% (k=2)$  |

## Connector Angle

|                                           |                         |
|-------------------------------------------|-------------------------|
| Connector Angle to be used in DASY system | $332^\circ \pm 1^\circ$ |
|-------------------------------------------|-------------------------|





## Appendix D. Conducted RF Output Power Table

The detailed power table are shown as follows.



<Full Power For LTE Modes>

| BWP (MHz) | Modulation | LTE Band 2      |                 |                 |                 |                 |                 |                 |                 |                 |                 | BWP (MHz) | Modulation | LTE Band 4      |                 |                 |                 |                   |                 |                 |                 |                 |                 | BWP (MHz) | Modulation | LTE Band 5      |                 |                 |                 |                 |                 |                 |                 |                 |                 |                   |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                   |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |  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    |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|-----------|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------|------------|-----------------|-----------------|-----------------|-----------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----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|           |            | RB Size         |                 | RB Offset       |                 | Channel         |                 | Low             |                 | Mid             |                 |           |            | High            |                 | SPPB (MHz)      |                 | Max. Turn-on (ms) |                 | RB Size         |                 | RB Offset       |                 |           |            | Channel         |                 | Low             |                 | Mid             |                 | High            |                 | SPPB (MHz)      |                 | Max. Turn-on (ms) |                 | RB Size         |                 | RB Offset       |                 | Channel         |                 | Low             |                 | Mid             |                 | High            |                 | SPPB (MHz)      |                 | Max. Turn-on (ms) |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |               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|           |            | Frequency (MHz) | Bandwidth (MHz) | Frequency (MHz) | Bandwidth (MHz) | Frequency (MHz) | Bandwidth (MHz) | Frequency (MHz) | Bandwidth (MHz) | Frequency (MHz) | Bandwidth (MHz) |           |            | Frequency (MHz) | Bandwidth (MHz) | Frequency (MHz) | Bandwidth (MHz) | Frequency (MHz)   | Bandwidth (MHz) | Frequency (MHz) | Bandwidth (MHz) | Frequency (MHz) | Bandwidth (MHz) |           |            | Frequency (MHz) | Bandwidth (MHz) | Frequency (MHz) | Bandwidth (MHz) | Frequency (MHz) | Bandwidth (MHz) | Frequency (MHz) | Bandwidth (MHz) | Frequency (MHz) | Bandwidth (MHz) | Frequency (MHz)   | Bandwidth (MHz) | Frequency (MHz) | Bandwidth (MHz) | Frequency (MHz) | Bandwidth (MHz) | Frequency (MHz) | Bandwidth (MHz) | Frequency (MHz) | Bandwidth (MHz) | Frequency (MHz) | Bandwidth (MHz) | Frequency (MHz) | Bandwidth (MHz) | Frequency (MHz) | Bandwidth (MHz) | Frequency (MHz)   | Bandwidth (MHz) | Frequency (MHz) | Bandwidth (MHz) | Frequency (MHz) | 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| LTE Band 7 |            |                 |           |       |       |       |          |                    |  |  |
|------------|------------|-----------------|-----------|-------|-------|-------|----------|--------------------|--|--|
| BW (MHz)   | Modulation | RB Size         | RB Offset | Low   | Mid   | High  | SC-FDMA  | Max. Turn-up (MHz) |  |  |
|            |            | Channel         |           | 23050 | 23150 | 23350 | SPR (dB) |                    |  |  |
| 20         | QPSK       | Frequency (MHz) | 22630     | 22730 | 22830 |       | 0        | 24                 |  |  |
|            |            | 1               | 0         | 22630 | 22730 | 22830 | 0        | 24                 |  |  |
|            |            | 1               | 50        | 22632 | 22638 | 22647 | 0        | 24                 |  |  |
|            |            | 1               | 100       | 22636 | 22642 | 22651 | 0        | 24                 |  |  |
|            |            | 50              | 0         | 21500 | 21493 | 21490 | 1        | 23                 |  |  |
|            |            | 50              | 25        | 21495 | 21492 | 21489 | 1        | 23                 |  |  |
|            |            | 50              | 50        | 21497 | 21494 | 21491 | 1        | 23                 |  |  |
|            |            | 100             | 0         | 20340 | 20333 | 20330 | 1        | 23                 |  |  |
|            |            | 100             | 50        | 20342 | 20339 | 20336 | 1        | 23                 |  |  |
|            |            | 1               | 0         | 21800 | 21796 | 21791 | 1        | 23                 |  |  |
| 20         | 16QAM      | Frequency (MHz) | 22630     | 22730 | 22830 |       | 0        | 24                 |  |  |
|            |            | 1               | 50        | 22636 | 22642 | 22651 | 1        | 23                 |  |  |
|            |            | 50              | 0         | 21500 | 21493 | 21490 | 1        | 23                 |  |  |
|            |            | 50              | 25        | 21495 | 21492 | 21489 | 1        | 23                 |  |  |
|            |            | 100             | 0         | 20340 | 20333 | 20330 | 1        | 23                 |  |  |
|            |            | 100             | 50        | 20342 | 20339 | 20336 | 1        | 23                 |  |  |
|            |            | 1               | 0         | 21800 | 21796 | 21791 | 1        | 23                 |  |  |
|            |            | 1               | 90        | 21802 | 21798 | 21793 | 2        | 22                 |  |  |
|            |            | 50              | 0         | 18533 | 18530 | 18527 | 3        | 21                 |  |  |
|            |            | 50              | 25        | 18535 | 18532 | 18529 | 3        | 21                 |  |  |
| 20         | 64QAM      | Frequency (MHz) | 22630     | 22730 | 22830 |       | 0        | 24                 |  |  |
|            |            | 1               | 0         | 22630 | 22730 | 22830 | 0        | 24                 |  |  |
|            |            | 1               | 90        | 21802 | 21798 | 21793 | 2        | 22                 |  |  |
|            |            | 50              | 0         | 18533 | 18530 | 18527 | 3        | 21                 |  |  |
|            |            | 50              | 25        | 18535 | 18532 | 18529 | 3        | 21                 |  |  |
|            |            | 100             | 0         | 20340 | 20333 | 20330 | 1        | 23                 |  |  |
|            |            | 100             | 50        | 20342 | 20339 | 20336 | 1        | 23                 |  |  |
|            |            | 1               | 0         | 21800 | 21796 | 21791 | 1        | 23                 |  |  |
|            |            | 1               | 90        | 21802 | 21798 | 21793 | 2        | 22                 |  |  |
|            |            | 50              | 0         | 18533 | 18530 | 18527 | 3        | 21                 |  |  |
| 20         | 256QAM     | Frequency (MHz) | 22630     | 22730 | 22830 |       | 0        | 24                 |  |  |
|            |            | 1               | 0         | 22630 | 22730 | 22830 | 0        | 24                 |  |  |
|            |            | 1               | 90        | 21802 | 21798 | 21793 | 2        | 22                 |  |  |
|            |            | 50              | 0         | 18533 | 18530 | 18527 | 3        | 21                 |  |  |
|            |            | 50              | 25        | 18535 | 18532 | 18529 | 3        | 21                 |  |  |
|            |            | 100             | 0         | 20340 | 20333 | 20330 | 1        | 23                 |  |  |
|            |            | 100             | 50        | 20342 | 20339 | 20336 | 1        | 23                 |  |  |
|            |            | 1               | 0         | 21800 | 21796 | 21791 | 1        | 23                 |  |  |
|            |            | 1               | 90        | 21802 | 21798 | 21793 | 2        | 22                 |  |  |
|            |            | 50              | 0         | 18533 | 18530 | 18527 | 3        | 21                 |  |  |
| 20         | QPSK       | Channel         | 22630     | 22630 | 22630 |       | 0        | 24                 |  |  |
|            |            | Frequency (MHz) | 22630     | 22630 | 22630 |       | 0        | 24                 |  |  |
|            |            | 1               | 0         | 22630 | 22630 | 22630 | 0        | 24                 |  |  |
|            |            | 1               | 37        | 22640 | 22640 | 22640 | 0        | 24                 |  |  |
|            |            | 1               | 74        | 22643 | 22643 | 22643 | 0        | 24                 |  |  |
|            |            | 30              | 0         | 21490 | 21490 | 21490 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 21493 | 21493 | 21493 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 21496 | 21496 | 21496 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 21504 | 21504 | 21504 | 1        | 23                 |  |  |
|            |            | 30              | 0         | 20330 | 20330 | 20330 | 1        | 23                 |  |  |
| 20         | 16QAM      | Channel         | 22630     | 22630 | 22630 |       | 0        | 24                 |  |  |
|            |            | Frequency (MHz) | 22630     | 22630 | 22630 |       | 0        | 24                 |  |  |
|            |            | 1               | 37        | 22640 | 22640 | 22640 | 1        | 23                 |  |  |
|            |            | 1               | 74        | 22643 | 22643 | 22643 | 1        | 23                 |  |  |
|            |            | 30              | 0         | 21490 | 21490 | 21490 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 21493 | 21493 | 21493 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 21496 | 21496 | 21496 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 21504 | 21504 | 21504 | 1        | 23                 |  |  |
|            |            | 30              | 0         | 20330 | 20330 | 20330 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 20333 | 20333 | 20333 | 1        | 23                 |  |  |
| 20         | 64QAM      | Channel         | 22630     | 22630 | 22630 |       | 0        | 24                 |  |  |
|            |            | Frequency (MHz) | 22630     | 22630 | 22630 |       | 0        | 24                 |  |  |
|            |            | 1               | 37        | 22640 | 22640 | 22640 | 1        | 23                 |  |  |
|            |            | 1               | 74        | 22643 | 22643 | 22643 | 1        | 23                 |  |  |
|            |            | 30              | 0         | 21490 | 21490 | 21490 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 21493 | 21493 | 21493 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 21496 | 21496 | 21496 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 21504 | 21504 | 21504 | 1        | 23                 |  |  |
|            |            | 30              | 0         | 20330 | 20330 | 20330 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 20333 | 20333 | 20333 | 1        | 23                 |  |  |
| 20         | 256QAM     | Channel         | 22630     | 22630 | 22630 |       | 0        | 24                 |  |  |
|            |            | Frequency (MHz) | 22630     | 22630 | 22630 |       | 0        | 24                 |  |  |
|            |            | 1               | 37        | 22640 | 22640 | 22640 | 1        | 23                 |  |  |
|            |            | 1               | 74        | 22643 | 22643 | 22643 | 1        | 23                 |  |  |
|            |            | 30              | 0         | 21490 | 21490 | 21490 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 21493 | 21493 | 21493 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 21496 | 21496 | 21496 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 21504 | 21504 | 21504 | 1        | 23                 |  |  |
|            |            | 30              | 0         | 20330 | 20330 | 20330 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 20333 | 20333 | 20333 | 1        | 23                 |  |  |
| 20         | QPSK       | Channel         | 22630     | 22630 | 22630 |       | 0        | 24                 |  |  |
|            |            | Frequency (MHz) | 22630     | 22630 | 22630 |       | 0        | 24                 |  |  |
|            |            | 1               | 0         | 22630 | 22630 | 22630 | 0        | 24                 |  |  |
|            |            | 1               | 37        | 22640 | 22640 | 22640 | 0        | 24                 |  |  |
|            |            | 1               | 74        | 22643 | 22643 | 22643 | 0        | 24                 |  |  |
|            |            | 30              | 0         | 21490 | 21490 | 21490 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 21493 | 21493 | 21493 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 21496 | 21496 | 21496 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 21504 | 21504 | 21504 | 1        | 23                 |  |  |
|            |            | 30              | 0         | 20330 | 20330 | 20330 | 1        | 23                 |  |  |
| 20         | 16QAM      | Channel         | 22630     | 22630 | 22630 |       | 0        | 24                 |  |  |
|            |            | Frequency (MHz) | 22630     | 22630 | 22630 |       | 0        | 24                 |  |  |
|            |            | 1               | 37        | 22640 | 22640 | 22640 | 1        | 23                 |  |  |
|            |            | 1               | 74        | 22643 | 22643 | 22643 | 1        | 23                 |  |  |
|            |            | 30              | 0         | 21490 | 21490 | 21490 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 21493 | 21493 | 21493 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 21496 | 21496 | 21496 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 21504 | 21504 | 21504 | 1        | 23                 |  |  |
|            |            | 30              | 0         | 20330 | 20330 | 20330 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 20333 | 20333 | 20333 | 1        | 23                 |  |  |
| 20         | 64QAM      | Channel         | 22630     | 22630 | 22630 |       | 0        | 24                 |  |  |
|            |            | Frequency (MHz) | 22630     | 22630 | 22630 |       | 0        | 24                 |  |  |
|            |            | 1               | 37        | 22640 | 22640 | 22640 | 1        | 23                 |  |  |
|            |            | 1               | 74        | 22643 | 22643 | 22643 | 1        | 23                 |  |  |
|            |            | 30              | 0         | 21490 | 21490 | 21490 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 21493 | 21493 | 21493 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 21496 | 21496 | 21496 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 21504 | 21504 | 21504 | 1        | 23                 |  |  |
|            |            | 30              | 0         | 20330 | 20330 | 20330 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 20333 | 20333 | 20333 | 1        | 23                 |  |  |
| 20         | 256QAM     | Channel         | 22630     | 22630 | 22630 |       | 0        | 24                 |  |  |
|            |            | Frequency (MHz) | 22630     | 22630 | 22630 |       | 0        | 24                 |  |  |
|            |            | 1               | 37        | 22640 | 22640 | 22640 | 1        | 23                 |  |  |
|            |            | 1               | 74        | 22643 | 22643 | 22643 | 1        | 23                 |  |  |
|            |            | 30              | 0         | 21490 | 21490 | 21490 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 21493 | 21493 | 21493 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 21496 | 21496 | 21496 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 21504 | 21504 | 21504 | 1        | 23                 |  |  |
|            |            | 30              | 0         | 20330 | 20330 | 20330 | 1        | 23                 |  |  |
|            |            | 30              | 30        | 20333 | 20333 | 20333 | 1        | 23                 |  |  |

| LTE Band 12 |            |                 |           |       |       |       |               |                    |          |  |
|-------------|------------|-----------------|-----------|-------|-------|-------|---------------|--------------------|----------|--|
| BW (MHz)    | Modulation | RB Size         | RB Offset | Low   | Mid   | High  | SC-FDMA (MHz) | Max. Turn-up (MHz) |          |  |
|             |            | Channel         |           | 23050 | 23050 | 23150 |               |                    | SPR (dB) |  |
| 10          | QPSK       | Frequency (MHz) | 700.5     | 700.5 | 700.5 |       | 0             | 24                 |          |  |
|             |            | 1               | 0         | 22830 | 22830 | 22830 | 0             | 24                 |          |  |
|             |            | 1               | 24        | 22830 | 22830 | 22830 | 0             | 24                 |          |  |
|             |            | 1               | 40        | 22830 | 22830 | 22830 | 0             | 24                 |          |  |
|             |            | 25              | 0         | 21800 | 21800 | 21800 | 1             | 23                 |          |  |
|             |            | 25              | 12        | 21804 | 21804 | 21804 | 1             | 23                 |          |  |
|             |            | 25              | 25        | 21808 | 21808 | 21808 | 1             | 23                 |          |  |
|             |            | 50              | 0         | 20330 | 20330 | 20330 | 1             | 23                 |          |  |
|             |            | 50              | 50        | 20334 | 20334 | 20334 | 1             | 23                 |          |  |
|             |            | 1               | 24        | 20330 | 20330 | 20330 | 0             | 23                 |          |  |
| 10          | 16QAM      | Frequency (MHz) | 700.5     | 700.5 | 700.5 |       | 0             | 24                 |          |  |
|             |            | 1               | 24        | 22830 | 22830 | 22830 | 1             | 23                 |          |  |
|             |            | 1               | 40        | 22830 | 22830 | 22830 | 1             | 23                 |          |  |
|             |            | 25              | 0         | 21800 | 21800 | 21800 | 2             | 22                 |          |  |
|             |            | 25              | 12        | 20607 | 20607 | 20607 | 2             | 22                 |          |  |
|             |            | 25              | 25        | 20611 | 20611 | 20611 | 2             | 22                 |          |  |
|             |            | 50              | 0         | 20170 | 20170 | 20170 | 2             | 22                 |          |  |
|             |            | 50              | 50        | 20174 | 20174 | 20174 | 2             | 22                 |          |  |
|             |            | 1               | 24        | 20170 | 20170 | 20170 | 2             | 22                 |          |  |
|             |            | 1               | 40        | 20174 | 20174 | 20174 | 2             | 22                 |          |  |
| 20          | QPSK       | Frequency (MHz) | 700.5     | 700.5 | 700.5 |       | 0             | 24                 |          |  |
|             |            | 1               | 24        | 22830 | 22830 | 22830 | 5             | 19                 |          |  |
|             |            | 1               | 24        | 17880 | 17880 | 17880 | 5             | 19                 |          |  |
|             |            | 1               | 40        | 17880 | 17880 | 17880 | 5             | 19                 |          |  |
|             |            | 25              | 0         | 17610 | 17610 | 17610 | 5             | 19                 |          |  |
|             |            | 25              | 12        | 18006 | 18006 | 18006 | 5             | 19                 |          |  |
|             |            | 25              | 25        | 18010 | 18010 | 18010 | 5             | 19                 |          |  |
|             |            | 50              | 0         | 17370 | 17370 | 17370 | 5             | 19                 |          |  |
|             |            | 50              | 50        | 17374 | 17374 | 17374 | 5             | 19                 |          |  |
|             |            | 1               | 24        | 17370 | 17370 | 17370 | 5             | 19                 |          |  |
| 20          | 16QAM      | Frequency (MHz) | 700.5     | 700.5 | 700.5 |       | 0             | 24                 |          |  |
|             |            | 1               | 24        | 22830 | 22830 | 22830 | 5             | 19                 |          |  |
|             |            | 1               | 24        | 17880 | 17880 | 17880 | 5             | 19                 |          |  |
|             |            | 1               | 40        | 17880 | 17880 | 17880 | 5             | 19                 |          |  |
|             |            | 25              | 0         | 17610 | 17610 | 17610 | 5             | 19                 |          |  |
|             |            | 25              | 12        | 18006 | 18006 | 18006 | 5             | 19                 |          |  |
|             |            | 25              | 25        | 18010 | 18010 | 18010 | 5             | 19                 |          |  |
|             |            | 50              | 0         | 17370 | 17370 | 17370 | 5             | 19                 |          |  |
|             |            | 50              | 50        | 17374 | 17374 | 17374 | 5             | 19                 |          |  |
|             |            | 1               | 24        | 17370 | 17370 | 17370 | 5             | 19                 |          |  |
| 20          | 64QAM      | Frequency (MHz) | 700.5     | 700.5 | 700.5 |       | 0             | 24                 |          |  |
|             |            | 1               | 24        | 22830 | 22830 | 22830 | 5             | 19                 |          |  |
|             |            | 1               | 24        | 17880 | 17880 | 17880 | 5             | 19                 |          |  |
|             |            | 1               | 40        | 17880 | 17880 | 17880 | 5             | 19                 |          |  |
|             |            | 25              | 0         | 17610 | 17610 | 17610 | 5             | 19                 |          |  |
|             |            | 25              | 12        | 18006 | 18006 | 18006 | 5             | 19                 |          |  |
|             |            | 25              | 25        | 18010 | 18010 | 18010 | 5             | 19                 |          |  |
|             |            | 50              | 0         | 17370 | 17370 | 17370 | 5             | 19                 |          |  |
|             |            | 50              | 50        | 17374 | 17374 | 17374 | 5             | 19                 |          |  |
|             |            | 1               | 24        | 17370 | 17370 | 17370 | 5             | 19                 |          |  |
| 20          | 256QAM     | Frequency (MHz) | 700.5     | 700.5 | 700.5 |       | 0             | 24                 |          |  |
|             |            | 1               | 24        | 22830 | 22830 | 22830 | 5             | 19                 |          |  |
|             |            | 1               | 24        | 17880 | 17880 | 17880 | 5             | 19                 |          |  |
|             |            | 1               | 40        | 17880 | 17880 | 17880 | 5             | 19                 |          |  |
|             |            | 25              | 0         | 17610 | 17610 | 17610 | 5             | 19                 |          |  |
|             |            | 25              | 12        | 18006 | 18006 | 18006 | 5             | 19                 |          |  |
|             |            | 25              | 25        | 18010 | 18010 | 18010 | 5             | 19                 |          |  |
|             |            | 50              | 0         | 17370 | 17370 | 17370 | 5             | 19                 |          |  |
|             |            | 50              | 50        | 17374 | 17374 | 17374 | 5             | 19                 |          |  |
|             |            | 1               | 24        | 17370 | 17370 | 17370 | 5             | 19                 |          |  |
| 20          | BW (MHz)   | Channel         | 700.5     | 700.5 | 700.5 |       | 0             | 24                 |          |  |
|             |            | 1               | 0         | 22570 | 22570 | 22570 | 5             | 19                 |          |  |
|             |            | 1               | 7         | 22820 | 22820 | 22820 | 0             | 24                 |          |  |
|             |            | 1               | 14        | 23220 | 23220 | 23220 | 0             | 24                 |          |  |
|             |            | 8               | 7         | 21810 | 21780 | 21810 | 1             | 23                 |          |  |
|             |            | 8               | 7         | 21810 | 21810 | 21810 | 1             | 23                 |          |  |
|             |            | 15              | 0         | 20580 | 20580 | 20570 | 1             | 23                 |          |  |
|             |            | 15              | 7         | 20580 | 20580 | 20570 | 1             | 23                 |          |  |
|             |            | 1               | 7         | 21810 | 20580 | 21730 | 1             | 23                 |          |  |
|             |            | 1               | 14        | 20570 | 20580 | 20570 | 1             | 23                 |          |  |
| 30          | 16QAM      | Frequency (MHz) | 700.5     | 700.5 | 700.5 |       | 0             | 24                 |          |  |
|             |            | 1               | 24        | 22830 | 22830 | 22830 | 2             | 22                 |          |  |
|             |            | 1               | 40        | 22830 | 22830 | 22830 | 2             | 22                 |          |  |
|             |            | 25              | 0         | 21800 | 21800 | 21810 | 2             | 22                 |          |  |
|             |            | 25              | 12        | 20607 | 20607 | 20607 | 2             | 22                 |          |  |
|             |            | 25              | 25        | 20611 | 20611 | 20611 | 2             | 22                 |          |  |
|             |            | 50              | 0         | 20170 | 20170 | 20170 | 2             | 22                 |          |  |
|             |            | 50              | 50        | 20174 | 20174 | 20174 | 2             | 22                 |          |  |
|             |            | 1               | 24        | 20170 | 20170 | 20170 | 2             | 22                 |          |  |
|             |            | 1               | 40        | 20174 | 20174 | 20174 | 2             | 22                 |          |  |
| 30          | 64QAM      | Frequency (MHz) | 700.5     | 700.5 | 700.5 |       | 0             | 24                 |          |  |
|             |            | 1               | 24        | 22830 | 22830 | 22830 | 2             | 22                 |          |  |
|             |            | 1               | 24        | 17880 | 17880 | 17880 | 2             | 22                 |          |  |
|             |            | 1               | 40        | 17880 | 17880 | 17880 | 2             | 22                 |          |  |
|             |            | 25              | 0         | 17610 | 17610 | 17610 | 2             | 22                 |          |  |
|             |            | 25              | 12        | 18006 | 18006 | 18006 | 2             | 22                 |          |  |
|             |            | 25              | 25        | 18010 | 18010 | 18010 | 2             | 22                 |          |  |
|             |            | 50              | 0         | 17370 | 17370 | 17370 | 2             | 22                 |          |  |
|             |            | 50              | 50        | 17374 | 17374 | 17374 | 2             | 22                 |          |  |
|             |            | 1               | 24        | 17370 | 17370 | 17370 | 2             | 22                 |          |  |
| 30          | 256QAM     | Frequency (MHz) | 700.5     | 700.5 | 700.5 |       | 0             | 24                 |          |  |
|             |            | 1               | 24        | 22830 | 22830 | 22830 | 2             | 22                 |          |  |
|             |            | 1               | 24        | 17880 | 17880 | 17880 | 2             | 22                 |          |  |
|             |            | 1               | 40        | 17880 | 17880 | 17880 | 2             | 22                 |          |  |
|             |            | 25              | 0         | 17610 | 17610 | 17610 | 2             | 22                 |          |  |
|             |            | 25              | 12        | 18006 | 18006 | 18006 | 2             | 22                 |          |  |
|             |            | 25              | 25        | 18010 | 18010 | 18010 | 2             | 22                 |          |  |
|             |            | 50              | 0         | 17370 | 17370 | 17370 | 2             | 22                 |          |  |
|             |            | 50              | 50        | 17374 | 17374 | 17374 | 2             | 22                 |          |  |
|             |            | 1               | 24        | 17370 | 17370 | 17370 | 2             | 22                 |          |  |
| 30          | BW (MHz)   | Channel         | 700.5     | 700.5 | 700.5 |       | 0             | 24                 |          |  |
|             |            | 1               | 0         | 22570 | 22570 | 22570 | 5             | 19                 |          |  |
|             |            | 1               | 7         | 22820 | 22820 | 22820 | 0             | 24                 |          |  |
|             |            | 1               | 14        | 23220 | 23220 | 23220 | 0             | 24                 |          |  |
|             |            | 8               | 7         | 21810 | 21780 | 21810 | 1             | 23                 |          |  |
|             |            | 8               | 7         | 21810 | 21810 | 21810 | 1             | 23                 |          |  |
|             |            | 15              | 0         | 20580 | 20580 | 20570 | 1             | 23                 |          |  |
|             |            | 15              | 7         | 20580 | 20580 | 20570 | 1             | 23                 |          |  |
|             |            | 1               | 7         | 21810 | 20580 | 21730 | 1             | 23                 |          |  |
|             |            | 1               | 14        | 20570 | 20580 | 20570 | 1             | 23                 |          |  |
| 30          | 16QAM      | Frequency (MHz) | 680.5     | 700.5 | 720.5 |       | 0             | 24                 |          |  |
|             |            | 1               | 0         | 22860 | 22870 | 22880 | 0             | 24                 |          |  |
|             |            | 1               | 5         | 22861 | 22867 | 22873 | 0             | 24                 |          |  |
|             |            | 1               | 5         | 22862 | 22868 | 22874 | 0             | 24                 |          |  |
|             |            | 1               | 5         | 22863 | 22869 | 22875 | 0             | 24                 |          |  |
|             |            | 3               | 3         | 22868 | 22873 | 22878 | 0             | 24                 |          |  |
|             |            | 1               | 0         | 21816 | 21821 | 21826 | 0             | 24                 |          |  |
|             |            | 1               | 0         | 21817 | 21822 | 21827 | 0             | 24                 |          |  |
|             |            | 1               | 0         | 21818 | 21823 | 21828 | 0             | 24                 |          |  |
|             |            | 1               | 0         | 21819 | 21824 | 21829 | 0             | 24                 |          |  |
| 30          | 16QAM      | Frequency (MHz) | 680.5     | 700.5 | 720.5 |       | 0             | 24                 |          |  |
|             |            | 1               | 0         | 21816 | 21821 | 21826 | 1             | 23                 |          |  |
|             |            | 1               | 0         | 21817 | 21822 | 21827 | 1             | 23                 |          |  |
|             |            | 1               | 0         | 21818 | 21823 | 21828 | 1             | 23                 |          |  |
|             |            | 1               | 0         | 21819 | 21824 | 21829 | 1             | 23                 |          |  |
|             |            | 1               | 2         | 20611 | 20616 | 20621 | 2             | 22                 |          |  |
|             |            | 1               | 2         | 20612 | 20617 | 20622 | 2             | 22                 |          |  |
|             |            | 1               | 2         | 20613 | 20618 | 20623 | 2             | 22                 |          |  |
|             |            | 1               | 2         | 20614 | 20619 | 20624 | 2             | 22                 |          |  |
|             |            | 1               | 2         | 20615 | 20620 | 20625 | 2             | 22                 |          |  |
| 30          | 64QAM      | Frequency (MHz) | 680.5     | 700.5 | 720.5 |       | 0             | 24                 |          |  |
|             |            | 1               | 0         | 21816 | 21821 | 21826 | 1             | 23                 |          |  |
|             |            | 1               | 0         | 21817 | 21822 | 21827 | 1             | 23                 |          |  |
|             |            | 1               | 0         | 21818 | 21823 | 21828 | 1             | 23                 |          |  |
|             |            | 1               | 0         | 21819 | 21824 | 21829 | 1             | 23                 |          |  |
|             |            | 1               | 3         | 20718 | 20723 | 20728 | 2             | 22                 |          |  |
|             |            | 1               | 3         | 20719 | 20724 | 20729 | 2             | 22                 |          |  |
|             |            | 1               | 3         | 20720 | 20725 | 20730 | 2             | 22                 |          |  |
|             |            | 1               | 3         | 20721 | 20726 | 20731 | 2             | 22                 |          |  |
|             |            | 1               | 3         | 20722 | 20727 | 20732 | 2             | 22                 |          |  |
| 30          | 256QAM     | Frequency (MHz) | 680.5     | 700.5 | 720.5 |       | 0             | 24                 |          |  |
|             |            | 1               | 0         | 21816 | 21821 | 21826 | 1             | 23                 |          |  |
|             |            | 1               | 0         | 21817 | 21822 | 21827 | 1             | 23                 |          |  |
|             |            | 1               | 0         | 21818 | 21823 | 21828 | 1             | 23                 |          |  |
|             |            | 1               | 0         | 21819 | 21824 | 21829 | 1             | 23                 |          |  |
|             |            | 1               | 3         | 20718 | 20723 | 20728 | 2             | 22                 |          |  |
|             |            | 1               | 3         | 20719 | 20724 | 20729 | 2             | 22                 |          |  |
|             |            | 1               | 3         | 20720 | 20725 | 20730 | 2             | 22                 |          |  |
|             |            | 1               | 3         | 20721 | 20726 | 20731 | 2             | 22                 |          |  |
|             |            | 1               | 3         | 20722 | 20727 | 20732 | 2             | 22                 |          |  |









| LTE Band 42    |            |                  |                    |                            |              |              |               |               |                |                         |    |    |
|----------------|------------|------------------|--------------------|----------------------------|--------------|--------------|---------------|---------------|----------------|-------------------------|----|----|
| EUTRA<br>[MHz] | Modulation | RB Size<br>[MHz] | RB Offset<br>[MHz] | Low Band 42                |              |              |               |               | 20MHz<br>[MHz] | Max<br>Time-up<br>[dBm] |    |    |
|                |            |                  |                    | Channel<br>Frequency [MHz] | Low<br>42190 | Mid<br>42360 | High<br>42530 | High<br>42690 |                |                         |    |    |
|                |            |                  |                    | Frequency [MHz]            | 24110        | 24270        | 24430         | 24590         |                |                         |    |    |
| 20             | QPSK       | 1                | 0                  | 1                          | 22.61        | 22.65        | 22.69         | 22.73         | 0              | 24                      |    |    |
|                |            |                  |                    | 1                          | 50           | 22.69        | 22.73         | 22.84         | 22.88          | 22.78                   | 0  | 24 |
|                |            |                  |                    | 1                          | 90           | 21.61        | 21.65         | 21.69         | 21.73          | 0                       | 24 |    |
|                |            |                  |                    | 50                         | 0            | 21.53        | 21.53         | 21.78         | 21.87          | 21.87                   | 1  | 23 |
|                |            |                  |                    | 50                         | 25           | 21.54        | 21.55         | 21.83         | 21.87          | 21.88                   | 1  | 23 |
|                |            | 10               | 0                  | 1                          | 50           | 21.53        | 21.56         | 21.86         | 21.92          | 21.92                   | 1  | 23 |
|                |            |                  |                    | 100                        | 0            | 21.68        | 21.73         | 21.82         | 21.98          | 21.75                   | 1  | 23 |
|                |            |                  |                    | 1                          | 0            | 21.74        | 21.92         | 22.05         | 21.99          | 21.97                   | 1  | 23 |
|                |            |                  |                    | 1                          | 50           | 21.95        | 22.03         | 22.15         | 22.14          | 22.14                   | 1  | 23 |
|                |            |                  |                    | 5                          | 30           | 21.79        | 21.85         | 22.63         | 21.79          | 21.77                   | 1  | 23 |
|                | 16QAM      | 1                | 0                  | 1                          | 50           | 20.53        | 20.55         | 20.59         | 20.66          | 20.67                   | 0  | 22 |
|                |            |                  |                    | 50                         | 25           | 20.78        | 20.73         | 20.91         | 20.86          | 20.86                   | 0  | 22 |
|                |            |                  |                    | 50                         | 50           | 20.62        | 20.60         | 20.89         | 20.81          | 20.75                   | 2  | 22 |
|                |            |                  |                    | 100                        | 0            | 20.74        | 20.69         | 20.89         | 20.86          | 20.87                   | 2  | 22 |
|                |            |                  |                    | 1                          | 0            | 20.93        | 20.96         | 21.19         | 21.15          | 21.13                   | 0  | 22 |
|                | 64QAM      | 1                | 0                  | 1                          | 90           | 21.61        | 21.65         | 21.69         | 21.73          | 21.73                   | 0  | 22 |
|                |            |                  |                    | 50                         | 0            | 18.81        | 18.84         | 18.88         | 18.71          | 18.85                   | 0  | 21 |
|                |            |                  |                    | 50                         | 50           | 18.66        | 18.57         | 18.77         | 18.68          | 18.53                   | 1  | 21 |
|                |            |                  |                    | 100                        | 0            | 18.87        | 18.84         | 18.78         | 18.60          | 18.54                   | 0  | 21 |
|                |            |                  |                    | 1                          | 0            | 17.50        | 17.53         | 17.59         | 17.59          | 17.59                   | 0  | 19 |
|                | 256QAM     | 1                | 0                  | 1                          | 50           | 17.87        | 17.86         | 17.78         | 17.64          | 17.59                   | 0  | 19 |
|                |            |                  |                    | 1                          | 90           | 17.81        | 17.85         | 17.75         | 17.63          | 17.64                   | 0  | 19 |
|                |            |                  |                    | 50                         | 0            | 17.40        | 17.58         | 17.71         | 17.60          | 17.58                   | 0  | 19 |
|                |            |                  |                    | 50                         | 25           | 17.51        | 17.66         | 17.83         | 17.78          | 17.72                   | 0  | 19 |
|                |            |                  |                    | 50                         | 50           | 17.59        | 17.50         | 17.72         | 17.48          | 17.50                   | 0  | 19 |
| 15             | QPSK       | 1                | 0                  | 1                          | 22.62        | 22.66        | 22.74         | 22.86         | 22.84          | 0                       | 24 |    |
|                |            |                  |                    | 1                          | 37           | 22.49        | 22.63         | 22.79         | 22.82          | 22.74                   | 0  | 24 |
|                |            |                  |                    | 1                          | 74           | 22.60        | 22.67         | 22.67         | 22.64          | 22.67                   | 0  | 24 |
|                |            |                  |                    | 30                         | 0            | 21.37        | 21.35         | 21.73         | 21.64          | 21.64                   | 1  | 23 |
|                |            |                  |                    | 30                         | 25           | 21.36        | 21.32         | 21.60         | 21.56          | 21.59                   | 1  | 23 |
|                |            | 10               | 0                  | 30                         | 30           | 21.53        | 21.71         | 21.76         | 21.63          | 21.64                   | 1  | 23 |
|                |            |                  |                    | 70                         | 0            | 21.67        | 21.72         | 21.63         | 21.67          | 21.68                   | 1  | 23 |
|                |            |                  |                    | 70                         | 0            | 21.69        | 21.71         | 21.68         | 21.70          | 21.71                   | 0  | 23 |
|                |            |                  |                    | 1                          | 37           | 21.78        | 21.64         | 22.15         | 21.75          | 21.81                   | 1  | 23 |
|                |            |                  |                    | 1                          | 74           | 21.67        | 21.73         | 22.02         | 21.77          | 21.85                   | 1  | 23 |
|                | 16QAM      | 1                | 0                  | 1                          | 74           | 20.57        | 20.46         | 20.50         | 20.40          | 20.46                   | 0  | 22 |
|                |            |                  |                    | 30                         | 19           | 20.67        | 20.74         | 20.89         | 20.84          | 20.73                   | 2  | 22 |
|                |            |                  |                    | 70                         | 0            | 20.55        | 20.61         | 20.62         | 20.59          | 20.61                   | 0  | 22 |
|                |            |                  |                    | 70                         | 0            | 20.69        | 20.64         | 20.78         | 20.67          | 20.52                   | 2  | 22 |
|                |            |                  |                    | 1                          | 0            | 20.83        | 20.85         | 21.14         | 21.03          | 20.93                   | 0  | 22 |
|                | 64QAM      | 1                | 0                  | 1                          | 37           | 20.83        | 20.87         | 21.25         | 21.00          | 20.88                   | 0  | 22 |
|                |            |                  |                    | 1                          | 74           | 20.84        | 20.85         | 20.99         | 20.85          | 20.92                   | 0  | 22 |
|                |            |                  |                    | 30                         | 19           | 20.55        | 20.55         | 20.85         | 20.74          | 20.74                   | 1  | 21 |
|                |            |                  |                    | 30                         | 30           | 18.45        | 18.54         | 18.73         | 18.58          | 18.33                   | 0  | 21 |
|                |            |                  |                    | 70                         | 0            | 20.53        | 20.58         | 20.58         | 20.53          | 20.53                   | 0  | 21 |
| 10             | QPSK       | 1                | 0                  | 1                          | 22.62        | 22.66        | 22.74         | 22.86         | 22.84          | 0                       | 24 |    |
|                |            |                  |                    | 1                          | 37           | 22.49        | 22.63         | 22.79         | 22.82          | 22.74                   | 0  | 24 |
|                |            |                  |                    | 1                          | 74           | 22.61        | 22.64         | 22.64         | 22.64          | 22.64                   | 0  | 24 |
|                |            |                  |                    | 30                         | 0            | 21.37        | 21.35         | 21.73         | 21.64          | 21.64                   | 1  | 23 |
|                |            |                  |                    | 30                         | 25           | 21.36        | 21.32         | 21.60         | 21.56          | 21.59                   | 1  | 23 |
|                |            | 10               | 0                  | 30                         | 30           | 21.53        | 21.71         | 21.76         | 21.63          | 21.64                   | 1  | 23 |
|                |            |                  |                    | 70                         | 0            | 21.67        | 21.72         | 21.63         | 21.67          | 21.68                   | 1  | 23 |
|                |            |                  |                    | 70                         | 0            | 21.69        | 21.71         | 21.68         | 21.70          | 21.71                   | 0  | 23 |
|                |            |                  |                    | 1                          | 37           | 21.78        | 21.64         | 22.15         | 21.75          | 21.81                   | 1  | 23 |
|                |            |                  |                    | 1                          | 74           | 21.67        | 21.73         | 22.02         | 21.77          | 21.85                   | 1  | 23 |
|                | 16QAM      | 1                | 0                  | 1                          | 74           | 20.57        | 20.46         | 20.50         | 20.40          | 20.46                   | 0  | 22 |
|                |            |                  |                    | 30                         | 19           | 20.67        | 20.74         | 20.89         | 20.84          | 20.73                   | 2  | 22 |
|                |            |                  |                    | 70                         | 0            | 20.55        | 20.61         | 20.62         | 20.59          | 20.61                   | 0  | 22 |
|                |            |                  |                    | 70                         | 0            | 20.69        | 20.64         | 20.78         | 20.67          | 20.52                   | 2  | 22 |
|                |            |                  |                    | 1                          | 0            | 20.83        | 20.85         | 21.14         | 21.03          | 20.93                   | 0  | 22 |
| 5              | QPSK       | 1                | 0                  | 1                          | 22.62        | 22.66        | 22.74         | 22.86         | 22.84          | 0                       | 24 |    |
|                |            |                  |                    | 1                          | 37           | 22.49        | 22.63         | 22.79         | 22.82          | 22.74                   | 0  | 24 |
|                |            |                  |                    | 1                          | 74           | 22.61        | 22.64         | 22.64         | 22.64          | 22.64                   | 0  | 24 |
|                |            |                  |                    | 30                         | 0            | 21.37        | 21.35         | 21.73         | 21.64          | 21.64                   | 1  | 23 |
|                |            |                  |                    | 30                         | 25           | 21.36        | 21.32         | 21.60         | 21.56          | 21.59                   | 1  | 23 |
|                |            | 10               | 0                  | 30                         | 30           | 21.53        | 21.71         | 21.76         | 21.63          | 21.64                   | 1  | 23 |
|                |            |                  |                    | 70                         | 0            | 21.67        | 21.72         | 21.63         | 21.67          | 21.68                   | 1  | 23 |
|                |            |                  |                    | 70                         | 0            | 21.69        | 21.71         | 21.68         | 21.70          | 21.71                   | 0  | 23 |
|                |            |                  |                    | 1                          | 37           | 21.78        | 21.64         | 22.15         | 21.75          | 21.81                   | 1  | 23 |
|                |            |                  |                    | 1                          | 74           | 21.67        | 21.73         | 22.02         | 21.77          | 21.85                   | 1  | 23 |
|                | 16QAM      | 1                | 0                  | 1                          | 74           | 20.57        | 20.46         | 20.50         | 20.40          | 20.46                   | 0  | 22 |
|                |            |                  |                    | 30                         | 19           | 20.67        | 20.74         | 20.89         | 20.84          | 20.73                   | 2  | 22 |
|                |            |                  |                    | 70                         | 0            | 20.55        | 20.61         | 20.62         | 20.59          | 20.61                   | 0  | 22 |
|                |            |                  |                    | 70                         | 0            | 20.69        | 20.64         | 20.78         | 20.67          | 20.52                   | 2  | 22 |
|                |            |                  |                    | 1                          | 0            | 20.83        | 20.85         | 21.14         | 21.03          | 20.93                   | 0  | 22 |
| 5              | QPSK       | 1                | 0                  | 1                          | 22.62        | 22.66        | 22.74         | 22.86         | 22.84          | 0                       | 24 |    |
|                |            |                  |                    | 1                          | 37           | 22.49        | 22.63         | 22.79         | 22.82          | 22.74                   | 0  | 24 |
|                |            |                  |                    | 1                          | 74           | 22.61        | 22.64         | 22.64         | 22.64          | 22.64                   | 0  | 24 |
|                |            |                  |                    | 30                         | 0            | 21.37        | 21.35         | 21.73         | 21.64          | 21.64                   | 1  | 23 |
|                |            |                  |                    | 30                         | 25           | 21.36        | 21.32         | 21.60         | 21.56          | 21.59                   | 1  | 23 |
|                |            | 10               | 0                  | 30                         | 30           | 21.53        | 21.71         | 21.76         | 21.63          | 21.64                   | 1  | 23 |
|                |            |                  |                    | 70                         | 0            | 21.67        | 21.72         | 21.63         | 21.67          | 21.68                   | 1  | 23 |
|                |            |                  |                    | 70                         | 0            | 21.69        | 21.71         | 21.68         | 21.70          | 21.71                   | 0  | 23 |
|                |            |                  |                    | 1                          | 37           | 21.78        | 21.64         | 22.15         | 21.75          | 21.81                   | 1  | 23 |
|                |            |                  |                    | 1                          | 74           | 21.67        | 21.73         | 22.02         | 21.77          | 21.85                   | 1  | 23 |
|                | 16QAM      | 1                | 0                  | 1                          | 74           | 20.57        | 20.46         | 20.50         | 20.40          | 20.46                   | 0  | 22 |
|                |            |                  |                    | 30                         | 19           | 20.67        | 20.74         | 20.89         | 20.84          | 20.73                   | 2  | 22 |
|                |            |                  |                    | 70                         | 0            | 20.55        | 20.61         | 20.62         | 20.59          | 20.61                   | 0  | 22 |
|                |            |                  |                    | 70                         | 0            | 20.69        | 20.64         | 20.78         | 20.67          | 20.52                   | 2  | 22 |
|                |            |                  |                    | 1                          | 0            | 20.83        | 20.85         | 21.14         | 21.03          | 20.93                   | 0  | 22 |

| Part2Q LTE Band 42 |            |                  |                    |                            |              |              |               |               |                |                         |  |  |
|--------------------|------------|------------------|--------------------|----------------------------|--------------|--------------|---------------|---------------|----------------|-------------------------|--|--|
| EUTRA<br>[MHz]     | Modulation | RB Size<br>[MHz] | RB Offset<br>[MHz] | Low Band 42                |              |              |               |               | 20MHz<br>[MHz] | Max<br>Time-up<br>[dBm] |  |  |
|                    |            |                  |                    | Channel<br>Frequency [MHz] | Low<br>42190 | Mid<br>42360 | High<br>42530 | High<br>42690 |                |                         |  |  |
|                    |            |                  |                    | Frequency [MHz]            | 24110        | 24270        | 24430         | 24590         |                |                         |  |  |
| 20                 | QPSK       | 1                | 0                  | 21.48                      | 21.50        | 21.50        | 21.50         | 0             | 22.5           |                         |  |  |
|                    |            |                  | 1                  | 50                         | 21.34        | 21.19        | 20.87         | 0             | 22.5           |                         |  |  |
|                    |            |                  | 1                  | 90                         | 21.37        | 21.20        | 20.87         | 0             | 22.5           |                         |  |  |
|                    |            |                  | 50                 | 0                          | 20.23        | 20.18        | 20.05         | 0             | 21.5           |                         |  |  |
|                    |            | 50               | 25                 | 20.88                      | 20.83        | 20.68        | 0             | 21.5          |                |                         |  |  |
|                    |            |                  | 50                 | 50                         | 20.38        | 20.33        | 19.98         | 1             | 21.5           |                         |  |  |
|                    |            |                  | 100                | 0                          | 20.68        | 20.14        | 20.00         | 1             | 21.5           |                         |  |  |
|                    |            |                  | 1                  | 50                         | 20.74        | 20.59        | 20.00         | 1             | 21.5           |                         |  |  |
|                    | 150        | 1                | 50                 | 20.74                      | 20.53        | 19.99        | 1             | 21.5          |                |                         |  |  |
|                    |            | 1                | 50                 | 150                        | 148.58       | 148.58       | 148.58        | 1             | 21.5           |                         |  |  |
|                    |            | 50               | 50                 | 19.54                      | 19.49        | 19.25        | 2             | 20.5          |                |                         |  |  |
|                    |            | 100              | 0                  | 19.35                      | 19.30        | 19.05        | 2             | 20.5          |                |                         |  |  |
|                    | 16QAM      | 1                | 50                 | 19.68                      | 19.54        | 19.03        | 2             | 20.5          |                |                         |  |  |
|                    |            |                  | 1                  | 50                         | 19.79        | 19.53        | 19.52         | 2             | 20.5           |                         |  |  |
|                    |            |                  | 1                  | 50                         | 19.58        | 19.58        | 19.58         | 1             | 19.5           |                         |  |  |
|                    |            |                  | 50                 | 50                         | 18.45        | 18.39        | 18.15         | 3             | 19.5           |                         |  |  |
| 50                 |            | 50               | 35                 | 18.42                      | 18.17        | 18.12        | 3             | 19.5          |                |                         |  |  |
|                    |            | 1                | 50                 | 35                         | 18.43        | 18.33        | 18.33         | 3             | 19.5           |                         |  |  |
|                    |            | 1                | 90                 | 18.47                      | 18.48        | 18.47        | 5             | 17.5          |                |                         |  |  |
|                    |            | 50               | 25                 | 18.09                      | 18.06        | 18.20        | 5             | 17.5          |                |                         |  |  |
| 250                | 50         | 25               | 18.48              | 18.48                      | 18.48        | 5            | 17.5          |               |                |                         |  |  |
|                    | 50         | 50               | 18.46              | 18.46                      | 18.46        | 5            | 17.5          |               |                |                         |  |  |
|                    | 100        | 0                | 18.43              | 18.43                      | 18.32        | 5            | 17.5          |               |                |                         |  |  |
|                    | 50         | 50               | 18.44              | 18.44                      | 18.32        | 5            | 17.5          |               |                |                         |  |  |
| 50                 | QPSK       | 1                | 0                  | 21.48                      | 21.50        | 21.50        | 21.50         | 0             | 22.5           |                         |  |  |
|                    |            |                  | 1                  | 37                         | 21.34        | 21.03        | 20.89         | 0             | 22.5           |                         |  |  |
|                    |            |                  | 1                  | 74                         | 21.35        | 20.99        | 20.87         | 0             | 22.5           |                         |  |  |
|                    |            |                  | 38                 | 19                         | 20.52        | 20.38        | 20.11         | 1             | 21.5           |                         |  |  |
|                    |            | 150              | 38                 | 35                         | 20.09        | 19.96        | 19.79         | 1             | 21.5           |                         |  |  |
|                    |            |                  | 1                  | 38                         | 20.36        | 20.00        | 19.88         | 1             | 21.5           |                         |  |  |
|                    |            |                  | 1                  | 0                          | 20.63        | 20.43        | 20.00         | 1             | 21.5           |                         |  |  |
|                    |            |                  | 37                 | 0                          | 20.37        | 20.33        | 20.00         | 1             | 21.5           |                         |  |  |
|                    | 16QAM      | 1                | 74                 | 20.66                      | 20.38        | 20.18        | 1             | 21.5          |                |                         |  |  |
|                    |            | 0                | 38                 | 19.42                      | 19.04        | 18.02        | 2             | 20.5          |                |                         |  |  |
|                    |            | 38               | 19                 | 19.29                      | 18.99        | 18.87        | 2             | 20.5          |                |                         |  |  |
|                    |            | 38               | 35                 | 18.44                      | 18.20        | 18.21        | 2             | 20.5          |                |                         |  |  |
|                    | 64QAM      | 1                | 38                 | 35                         | 18.43        | 18.23        | 18.23         | 2             | 20.5           |                         |  |  |
|                    |            |                  | 1                  | 0                          | 19.54        | 19.43        | 19.33         | 2             | 20.5           |                         |  |  |
|                    |            |                  | 1                  | 37                         | 19.60        | 19.40        | 19.47         | 2             | 20.5           |                         |  |  |
|                    |            |                  | 1                  | 48                         | 19.72        | 19.62        | 19.23         | 2             | 20.5           |                         |  |  |
| 50                 |            | 0                | 38                 | 18.51                      | 18.03        | 18.11        | 3             | 19.5          |                |                         |  |  |
|                    |            | 38               | 15                 | 18.36                      | 18.29        | 18.00        | 3             | 19.5          |                |                         |  |  |
|                    |            | 38               | 14                 | 18.46                      | 18.30        | 18.00        | 3             | 19.5          |                |                         |  |  |
|                    |            | 75               | 0                  | 18.23                      | 18.04        | 17.87        | 3             | 19.5          |                |                         |  |  |
| 250                | 1          | 38               | 15                 | 18.54                      | 18.29        | 18.23        | 3             | 19.5          |                |                         |  |  |
|                    |            | 1                | 37                 | 18.54                      | 18.29        | 18.23        | 3             | 19.5          |                |                         |  |  |
|                    |            | 1                | 74                 | 18.50                      | 18.46        | 18.25        | 3             | 17.5          |                |                         |  |  |
|                    |            | 38               | 14                 | 18.44                      | 18.33        | 18.13        | 3             | 17.5          |                |                         |  |  |
|                    | 50         | 38               | 15                 | 18.47                      | 18.35        | 18.07        | 3             | 17.5          |                |                         |  |  |
|                    |            | 38               | 14                 | 18.46                      | 18.36        | 18.07        | 3             | 17.5          |                |                         |  |  |
|                    |            | 100              | 0                  | 18.43                      | 18.43        | 18.37        | 3             | 17.5          |                |                         |  |  |
|                    |            | 50               | 0                  | 18.35                      | 18.27        | 18.17        | 3             | 17.5          |                |                         |  |  |
| 50                 | QPSK       | 1                | 0                  | 21.48                      | 21.50        | 21.50        | 21.50         | 0             | 22.5           |                         |  |  |
|                    |            |                  | 1                  | 24                         | 21.32        | 21.17        | 20.98         | 0             | 22.5           |                         |  |  |
|                    |            |                  | 1                  | 21.13                      | 20.98        | 20.89        | 0             | 22.5          |                |                         |  |  |
|                    |            |                  | 25                 | 0                          | 20.26        | 20.09        | 19.89         | 1             | 21.5           |                         |  |  |
|                    |            | 150              | 25                 | 12                         | 20.45        | 20.08        | 19.81         | 1             | 21.5           |                         |  |  |
|                    |            |                  | 25                 | 13                         | 20.13        | 20.09        | 19.99         | 1             | 21.5           |                         |  |  |
|                    |            |                  | 50                 | 0                          | 20.29        | 20.05        | 19.80         | 1             | 21.5           |                         |  |  |
|                    |            |                  | 1                  | 24                         | 20.08        | 20.04        | 19.93         | 1             | 21.5           |                         |  |  |
|                    | 16QAM      | 1                | 48                 | 20                         | 19.73        | 19.24        | 19.33         | 1             | 21.5           |                         |  |  |
|                    |            | 1                | 24                 | 19.80                      | 19.68        | 19.68        | 2             | 20.5          |                |                         |  |  |
|                    |            | 25               | 12                 | 19.36                      | 19.33        | 18.77        | 2             | 20.5          |                |                         |  |  |
|                    |            | 25               | 12                 | 19.52                      | 19.33        | 18.77        | 2             | 20.5          |                |                         |  |  |
|                    | 64QAM      | 1                | 48                 | 19                         | 19.23        | 19.03        | 18.96         | 2             | 20.5           |                         |  |  |
|                    |            | 1                | 0                  | 19.68                      | 19.49        | 19.39        | 2             | 20.5          |                |                         |  |  |
|                    |            | 1                | 24                 | 19.60                      | 19.40        | 19.39        | 2             | 20.5          |                |                         |  |  |
|                    |            | 1                | 40                 | 19.77                      | 19.48        | 19.34        | 2             | 20.5          |                |                         |  |  |
| 250                | 1          | 25               | 0                  | 18.42                      | 18.29        | 18.15        | 3             | 19.5          |                |                         |  |  |
|                    |            | 25               | 0                  | 18.42                      | 18.29        | 18.15        | 3             | 19.5          |                |                         |  |  |
|                    |            | 25               | 25                 | 18.29                      | 18.20        | 17.91        | 3             | 19.5          |                |                         |  |  |
|                    |            | 60               | 0                  | 18.52                      | 18.28        | 18.20        | 3             | 18.5          |                |                         |  |  |
|                    | 50         | 1                | 0                  | 18.52                      | 18.28        | 18.21        | 3             | 17.5          |                |                         |  |  |
|                    |            | 1                | 24                 | 18.53                      | 18.38        | 18.25        | 3             | 17.5          |                |                         |  |  |
|                    |            | 1                | 48                 | 18.51                      | 18.45        | 18.27        | 3             | 17.5          |                |                         |  |  |
|                    |            | 25               | 0                  | 18.58                      | 18.38        | 18.14        | 3             | 17.5          |                |                         |  |  |
| 250                | 25         | 0                | 18.58              | 18.38                      | 18.14        | 3            | 17.5          |               |                |                         |  |  |
|                    | 25         | 25               | 18.46              | 18.46                      | 18.30        | 3            | 17.5          |               |                |                         |  |  |
|                    | 25         | 25               | 18.46              | 18.46                      | 18.30        | 3            | 17.5          |               |                |                         |  |  |
|                    | 50         | 0                | 18.44              | 18.43                      | 18.32        | 3            | 17.5          |               |                |                         |  |  |
| 50                 | QPSK       | 1                | 0                  | 21.48                      | 21.50        | 21.50        | 21.50         | 0             | 22.5           |                         |  |  |
|                    |            |                  | 1                  | 0                          | 21.45        | 21.18        | 20.99         | 0             | 22.5           |                         |  |  |
|                    |            |                  | 1                  | 21                         | 21.22        | 21.03        | 20.86         | 0             | 22.5           |                         |  |  |
|                    |            |                  | 1                  | 24                         | 21.12        | 21.01        | 20.86         | 0             | 22.5           |                         |  |  |
|                    |            | 150              | 12                 | 0                          | 20.42        | 20.25        | 19.82         | 1             | 21.5           |                         |  |  |
|                    |            |                  | 12                 | 0                          | 20.48        | 20.37        | 19.77         | 1             | 21.5           |                         |  |  |
|                    |            |                  | 12                 | 13                         | 20.08        | 20.00        | 19.75         | 1             | 21.5           |                         |  |  |
|                    |            |                  | 1                  | 0                          | 19.48        | 19.48        | 19.48         | 1             | 21.5           |                         |  |  |
|                    | 16QAM      | 1                | 0                  | 20.67                      | 20.42        | 19.92        | 1             | 21.5          |                |                         |  |  |
|                    |            | 1                | 12                 | 20                         | 19.70        | 19.34        | 19.34         | 1             | 21.5           |                         |  |  |
|                    |            | 1                | 24                 | 19.71                      | 19.49        | 19.17        | 1             | 21.5          |                |                         |  |  |
|                    |            | 1                | 0                  | 19.36                      | 19.31        | 18.97        | 2             | 20.5          |                |                         |  |  |
|                    | 64QAM      | 1                | 0                  | 19.57                      | 19.37        | 18.96        | 2             | 20.5          |                |                         |  |  |
|                    |            | 12               | 13                 | 18.48                      | 18.24        | 18.08        | 2             | 20.5          |                |                         |  |  |
|                    |            | 25               | 0                  | 19.27                      | 19.27        | 18.95        | 2             | 20.5          |                |                         |  |  |
|                    |            | 1                | 12                 | 19.69                      | 19.49        | 19.37        | 2             | 20.5          |                |                         |  |  |
| 250                | 1          | 24               | 0                  | 18.05                      | 17.93        | 18.04        | 2             | 19.5          |                |                         |  |  |
|                    |            | 12               | 13                 | 18.33                      | 18.33        | 18.09        | 2             | 19.5          |                |                         |  |  |
|                    |            | 1                | 0                  | 18.38                      | 18.11        | 18.15        | 3             | 19.5          |                |                         |  |  |
|                    |            | 12               | 13                 | 18.33                      | 18.33        | 18.09        | 2             | 19.5          |                |                         |  |  |
|                    | 50         | 25               | 0                  | 18.28                      | 18.04        | 17.81        | 3             | 19.5          |                |                         |  |  |
|                    |            | 1                | 0                  | 18.46                      | 18.39        | 18.28        | 3             | 17.5          |                |                         |  |  |
|                    |            | 1                | 24                 | 18.41                      | 18.40        | 18.20        | 3             | 17.5          |                |                         |  |  |
|                    |            | 12               | 13                 | 18.40                      | 18.40        | 18.20        | 3             | 17.5          |                |                         |  |  |
| 250                | 1          | 24               | 0                  | 18.37                      | 18.29        | 18.12        | 3             | 17.5          |                |                         |  |  |
|                    |            | 12               | 13                 | 18.43                      | 18.43        | 18.25        | 3             | 17.5          |                |                         |  |  |
|                    |            | 12               | 13                 | 18.40                      | 18.40        | 18.25        | 3             | 17.5          |                |                         |  |  |
|                    |            | 12               | 13                 | 18.40                      | 18.40        | 18.25        | 3             | 17.5          |                |                         |  |  |
|                    | 50         | 12               | 13                 | 18.40                      | 18.40        | 18.25        | 3             | 17.5          |                |                         |  |  |
|                    |            | 12               | 13                 | 18.40                      | 18.40        | 18.25        | 3             | 17.5          |                |                         |  |  |
|                    |            | 12               | 13                 | 18.40                      | 18.40        | 18.25        | 3             | 17.5          |                |                         |  |  |
|                    |            | 12               | 13                 | 18.40                      | 18.40        | 18.25        | 3             | 17.5          |                |                         |  |  |
| 50                 | QPSK       | 1                | 0                  | 21.48                      | 21.50        | 21.50        | 21.50         | 0             | 22.5           |                         |  |  |
|                    |            |                  | 1                  | 24                         | 21.12        | 21.01        | 20.86         | 0             | 22.5           |                         |  |  |
|                    |            |                  | 1                  | 0                          | 20.42        | 20.25        | 19.82         | 1             | 21.5           |                         |  |  |
|                    |            |                  | 12                 | 0                          | 20.48        | 20.37        | 19.77         | 1             | 21.5           |                         |  |  |
|                    |            | 150              | 12                 | 13                         | 20.08        | 20.00        | 19.75         | 1             | 21.5           |                         |  |  |
|                    |            |                  | 1                  | 0                          | 19.48        | 19.48        | 19.48         | 1             | 21.5           |                         |  |  |
|                    |            |                  | 1                  | 0                          | 20.67        | 20.42        | 19.92         | 1             | 21.5           |                         |  |  |
|                    |            |                  | 1                  | 12                         | 20           | 19.70        | 19.34         | 19.34         | 1              | 21.5                    |  |  |
|                    | 16QAM      | 1                | 24                 | 19.71                      | 19.49        | 19.17        | 1             | 21.5          |                |                         |  |  |
|                    |            | 1                | 0                  | 19.36                      | 19.31        | 18.97        | 2             | 20.5          |                |                         |  |  |
|                    |            | 1                | 0                  | 19.57                      | 19.37        | 18.96        | 2             | 20.5          |                |                         |  |  |
|                    |            | 12               | 13                 | 18.48                      | 18.24        | 18.08        | 2             | 20.5          |                |                         |  |  |
|                    | 250        | 1                | 24                 | 0                          | 18.37        | 18.29        | 18.12         | 3             | 17.5           |                         |  |  |
|                    |            |                  | 12                 | 13                         | 18.43        | 18.43        | 18.25         | 3             | 17.5           |                         |  |  |
|                    |            |                  | 12                 | 13                         | 18.40        | 18.40        | 18.25         | 3             | 17.5           |                         |  |  |
|                    |            |                  | 12                 | 13                         | 18.40        | 18.40        | 18.25         | 3             | 17.5           |                         |  |  |
| 50                 |            | 12               | 13                 | 18.40                      | 18.40        | 18.25        | 3             | 17.5          |                |                         |  |  |
|                    |            | 12               | 13                 | 18.40                      | 18.40        | 18.25        | 3             | 17.5          |                |                         |  |  |
|                    |            | 12               | 13                 | 18.40                      | 18.40        | 18.25        | 3             | 17.5          |                |                         |  |  |
|                    |            | 12               | 13                 | 18.40                      | 18.40        | 18.25        | 3             | 17.5          |                |                         |  |  |



| Part 96 LTE Band 40 |            |         |           |                 |       |       |       |          |       |           |                    |                    |
|---------------------|------------|---------|-----------|-----------------|-------|-------|-------|----------|-------|-----------|--------------------|--------------------|
| BW [MHz]            | Modulation | RB Size | RB Offset | Low             |       |       |       | Mid-High | High  | SCS [MHz] | Max. Time-up [MHz] | Max. Time-up [MHz] |
|                     |            |         |           | Channel         | 55040 | 55030 | 55020 |          |       |           |                    |                    |
| 20                  | QPSK       | 1       | 0         | Frequency [MHz] | 20.47 | 20.57 | 20.67 | 20.77    | 20.87 | 0         | 22                 | 22                 |
|                     |            |         |           | 1               | 50    | 20.45 | 20.53 | 20.59    | 20.64 | 0         | 22                 | 22                 |
|                     |            |         |           | 1               | 50    | 20.54 | 20.62 | 20.68    | 20.73 | 0         | 22                 | 22                 |
|                     |            |         |           | 50              | 0     | 19.49 | 19.44 | 19.56    | 19.47 | 1         | 21                 | 21                 |
|                     |            |         |           | 50              | 25    | 19.53 | 19.64 | 19.63    | 19.56 | 1         | 21                 | 21                 |
|                     |            |         |           | 50              | 50    | 19.57 | 19.54 | 19.54    | 19.56 | 1         | 21                 | 21                 |
|                     |            |         |           | 50              | 0     | 19.46 | 19.40 | 19.46    | 19.40 | 1         | 20                 | 20                 |
|                     |            |         |           | 100             | 0     | 19.46 | 19.49 | 19.50    | 19.51 | 1         | 21                 | 21                 |
|                     |            |         |           | 1               | 0     | 19.68 | 19.70 | 19.63    | 19.74 | 1         | 21                 | 21                 |
|                     |            |         |           | 1               | 50    | 19.63 | 19.59 | 19.56    | 19.54 | 1         | 21                 | 21                 |
| 10                  | 16QAM      | 1       | 0         | 50              | 0     | 19.76 | 19.72 | 19.68    | 19.65 | 1         | 20                 | 20                 |
|                     |            |         |           | 50              | 25    | 19.62 | 19.64 | 19.58    | 19.61 | 2         | 20                 | 20                 |
|                     |            |         |           | 50              | 50    | 19.46 | 19.46 | 19.58    | 19.42 | 2         | 20                 | 20                 |
|                     |            |         |           | 100             | 0     | 19.65 | 19.67 | 19.64    | 19.63 | 2         | 20                 | 20                 |
|                     |            |         |           | 1               | 0     | 19.89 | 19.89 | 19.81    | 19.87 | 2         | 20                 | 20                 |
|                     |            |         |           | 1               | 50    | 19.89 | 19.85 | 19.85    | 19.81 | 2         | 20                 | 20                 |
|                     |            |         |           | 50              | 0     | 19.76 | 19.74 | 19.76    | 19.74 | 3         | 19                 | 19                 |
|                     |            |         |           | 50              | 50    | 19.62 | 19.64 | 19.58    | 19.61 | 2         | 20                 | 20                 |
|                     |            |         |           | 100             | 0     | 19.60 | 19.62 | 19.59    | 19.58 | 2         | 20                 | 20                 |
|                     |            |         |           | 1               | 0     | 19.89 | 19.89 | 19.81    | 19.87 | 2         | 20                 | 20                 |
| 5                   | 64QAM      | 1       | 0         | 50              | 0     | 19.89 | 19.85 | 19.85    | 19.81 | 2         | 20                 | 20                 |
|                     |            |         |           | 50              | 25    | 19.62 | 19.64 | 19.58    | 19.61 | 2         | 20                 | 20                 |
|                     |            |         |           | 50              | 50    | 19.46 | 19.46 | 19.58    | 19.42 | 2         | 20                 | 20                 |
|                     |            |         |           | 100             | 0     | 19.65 | 19.67 | 19.64    | 19.63 | 2         | 20                 | 20                 |
|                     |            |         |           | 1               | 0     | 19.89 | 19.89 | 19.81    | 19.87 | 2         | 20                 | 20                 |
|                     |            |         |           | 1               | 50    | 19.89 | 19.85 | 19.85    | 19.81 | 2         | 20                 | 20                 |
|                     |            |         |           | 50              | 0     | 19.76 | 19.74 | 19.76    | 19.74 | 3         | 19                 | 19                 |
|                     |            |         |           | 50              | 50    | 19.62 | 19.64 | 19.58    | 19.61 | 2         | 20                 | 20                 |
|                     |            |         |           | 100             | 0     | 19.60 | 19.62 | 19.59    | 19.58 | 2         | 20                 | 20                 |
|                     |            |         |           | 1               | 0     | 19.89 | 19.89 | 19.81    | 19.87 | 2         | 20                 | 20                 |
| 2.5                 | 256QAM     | 1       | 0         | 50              | 0     | 19.89 | 19.85 | 19.85    | 19.81 | 2         | 20                 | 20                 |
|                     |            |         |           | 50              | 25    | 19.62 | 19.64 | 19.58    | 19.61 | 2         | 20                 | 20                 |
|                     |            |         |           | 50              | 50    | 19.46 | 19.46 | 19.58    | 19.42 | 2         | 20                 | 20                 |
|                     |            |         |           | 100             | 0     | 19.65 | 19.67 | 19.64    | 19.63 | 2         | 20                 | 20                 |
|                     |            |         |           | 1               | 0     | 19.89 | 19.89 | 19.81    | 19.87 | 2         | 20                 | 20                 |
|                     |            |         |           | 1               | 50    | 19.89 | 19.85 | 19.85    | 19.81 | 2         | 20                 | 20                 |
|                     |            |         |           | 50              | 0     | 19.76 | 19.74 | 19.76    | 19.74 | 3         | 19                 | 19                 |
|                     |            |         |           | 50              | 50    | 19.62 | 19.64 | 19.58    | 19.61 | 2         | 20                 | 20                 |
|                     |            |         |           | 100             | 0     | 19.60 | 19.62 | 19.59    | 19.58 | 2         | 20                 | 20                 |
|                     |            |         |           | 1               | 0     | 19.89 | 19.89 | 19.81    | 19.87 | 2         | 20                 | 20                 |

| LTE Band 66 |            |         |           |                 |       |       |       |       |       |           |                    |                    |
|-------------|------------|---------|-----------|-----------------|-------|-------|-------|-------|-------|-----------|--------------------|--------------------|
| BW [MHz]    | Modulation | RB Size | RB Offset | Low             |       |       |       | Mid   | High  | SCS [MHz] | Max. Time-up [MHz] | Max. Time-up [MHz] |
|             |            |         |           | Channel         | 13072 | 13072 | 13072 |       |       |           |                    |                    |
| 20          | QPSK       | 1       | 0         | Frequency [MHz] | 1775  | 1775  | 1775  | 1775  | 1775  | 0         | 24                 | 24                 |
|             |            |         |           | 1               | 0     | 22.38 | 22.49 | 22.80 | 22.80 | 0         | 24                 | 24                 |
|             |            |         |           | 1               | 50    | 22.49 | 22.64 | 22.76 | 22.76 | 0         | 24                 | 24                 |
|             |            |         |           | 1               | 75    | 22.50 | 22.55 | 22.82 | 22.82 | 0         | 24                 | 24                 |
|             |            |         |           | 50              | 0     | 21.41 | 21.52 | 21.65 | 21.65 | 1         | 23                 | 23                 |
|             |            |         |           | 50              | 25    | 21.53 | 21.45 | 21.78 | 21.78 | 1         | 23                 | 23                 |
|             |            |         |           | 50              | 50    | 21.47 | 21.59 | 21.73 | 21.73 | 1         | 23                 | 23                 |
|             |            |         |           | 100             | 0     | 21.53 | 21.48 | 21.83 | 21.83 | 1         | 23                 | 23                 |
|             |            |         |           | 1               | 0     | 21.67 | 21.63 | 21.95 | 21.95 | 1         | 23                 | 23                 |
|             |            |         |           | 1               | 50    | 21.63 | 21.58 | 21.93 | 21.93 | 1         | 23                 | 23                 |
| 10          | 16QAM      | 1       | 0         | 50              | 0     | 20.55 | 20.74 | 20.76 | 20.76 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 0     | 20.55 | 20.74 | 20.76 | 20.76 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 50    | 20.53 | 20.66 | 20.74 | 20.74 | 2         | 22                 | 22                 |
|             |            |         |           | 50              | 0     | 19.52 | 19.53 | 19.75 | 19.75 | 3         | 21                 | 21                 |
|             |            |         |           | 50              | 25    | 20.46 | 20.58 | 20.79 | 20.79 | 2         | 22                 | 22                 |
|             |            |         |           | 100             | 0     | 20.55 | 20.56 | 20.82 | 20.82 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 0     | 20.55 | 20.74 | 20.76 | 20.76 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 50    | 20.53 | 20.66 | 20.74 | 20.74 | 2         | 22                 | 22                 |
|             |            |         |           | 50              | 0     | 19.52 | 19.53 | 19.75 | 19.75 | 3         | 21                 | 21                 |
|             |            |         |           | 50              | 25    | 20.46 | 20.58 | 20.79 | 20.79 | 2         | 22                 | 22                 |
| 5           | 64QAM      | 1       | 0         | 50              | 0     | 19.52 | 19.53 | 19.75 | 19.75 | 3         | 21                 | 21                 |
|             |            |         |           | 50              | 25    | 20.46 | 20.58 | 20.79 | 20.79 | 2         | 22                 | 22                 |
|             |            |         |           | 100             | 0     | 20.55 | 20.56 | 20.82 | 20.82 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 0     | 20.55 | 20.74 | 20.76 | 20.76 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 50    | 20.53 | 20.66 | 20.74 | 20.74 | 2         | 22                 | 22                 |
|             |            |         |           | 50              | 0     | 19.52 | 19.53 | 19.75 | 19.75 | 3         | 21                 | 21                 |
|             |            |         |           | 50              | 25    | 20.46 | 20.58 | 20.79 | 20.79 | 2         | 22                 | 22                 |
|             |            |         |           | 100             | 0     | 20.55 | 20.56 | 20.82 | 20.82 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 0     | 20.55 | 20.74 | 20.76 | 20.76 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 50    | 20.53 | 20.66 | 20.74 | 20.74 | 2         | 22                 | 22                 |
| 20          | QPSK       | 1       | 0         | 50              | 0     | 17.47 | 17.50 | 17.69 | 17.69 | 5         | 19                 | 19                 |
|             |            |         |           | 1               | 0     | 17.47 | 17.50 | 17.69 | 17.69 | 5         | 19                 | 19                 |
|             |            |         |           | 1               | 50    | 17.49 | 17.50 | 17.77 | 17.77 | 5         | 19                 | 19                 |
|             |            |         |           | 50              | 0     | 17.47 | 17.50 | 17.69 | 17.69 | 5         | 19                 | 19                 |
|             |            |         |           | 50              | 25    | 17.52 | 17.53 | 17.73 | 17.73 | 5         | 19                 | 19                 |
|             |            |         |           | 50              | 50    | 17.52 | 17.50 | 17.69 | 17.69 | 5         | 19                 | 19                 |
|             |            |         |           | 100             | 0     | 17.51 | 17.47 | 17.82 | 17.82 | 5         | 19                 | 19                 |
|             |            |         |           | 1               | 0     | 17.65 | 17.62 | 17.92 | 17.92 | 5         | 19                 | 19                 |
|             |            |         |           | 1               | 50    | 17.62 | 17.59 | 17.89 | 17.89 | 5         | 19                 | 19                 |
|             |            |         |           | 1               | 75    | 17.68 | 17.67 | 17.97 | 17.97 | 5         | 19                 | 19                 |
| 10          | 16QAM      | 1       | 0         | 50              | 0     | 16.38 | 16.40 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 0     | 16.38 | 16.40 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 50    | 16.36 | 16.43 | 16.53 | 16.53 | 2         | 22                 | 22                 |
|             |            |         |           | 50              | 0     | 15.33 | 15.35 | 15.52 | 15.52 | 3         | 21                 | 21                 |
|             |            |         |           | 50              | 25    | 16.26 | 16.30 | 16.50 | 16.50 | 2         | 22                 | 22                 |
|             |            |         |           | 100             | 0     | 16.38 | 16.39 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 0     | 16.38 | 16.57 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 50    | 16.36 | 16.46 | 16.56 | 16.56 | 2         | 22                 | 22                 |
|             |            |         |           | 50              | 0     | 15.33 | 15.35 | 15.52 | 15.52 | 3         | 21                 | 21                 |
|             |            |         |           | 50              | 25    | 16.26 | 16.30 | 16.50 | 16.50 | 2         | 22                 | 22                 |
| 5           | 64QAM      | 1       | 0         | 50              | 0     | 15.33 | 15.35 | 15.52 | 15.52 | 3         | 21                 | 21                 |
|             |            |         |           | 50              | 25    | 16.26 | 16.30 | 16.50 | 16.50 | 2         | 22                 | 22                 |
|             |            |         |           | 100             | 0     | 16.38 | 16.39 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 0     | 16.38 | 16.57 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 50    | 16.36 | 16.46 | 16.56 | 16.56 | 2         | 22                 | 22                 |
|             |            |         |           | 50              | 0     | 15.33 | 15.35 | 15.52 | 15.52 | 3         | 21                 | 21                 |
|             |            |         |           | 50              | 25    | 16.26 | 16.30 | 16.50 | 16.50 | 2         | 22                 | 22                 |
|             |            |         |           | 100             | 0     | 16.38 | 16.39 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 0     | 16.38 | 16.57 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 50    | 16.36 | 16.46 | 16.56 | 16.56 | 2         | 22                 | 22                 |
| 20          | QPSK       | 1       | 0         | 50              | 0     | 17.47 | 17.50 | 17.69 | 17.69 | 5         | 19                 | 19                 |
|             |            |         |           | 1               | 0     | 17.47 | 17.50 | 17.69 | 17.69 | 5         | 19                 | 19                 |
|             |            |         |           | 1               | 50    | 17.49 | 17.50 | 17.77 | 17.77 | 5         | 19                 | 19                 |
|             |            |         |           | 50              | 0     | 17.47 | 17.50 | 17.69 | 17.69 | 5         | 19                 | 19                 |
|             |            |         |           | 50              | 25    | 17.52 | 17.53 | 17.73 | 17.73 | 5         | 19                 | 19                 |
|             |            |         |           | 50              | 50    | 17.52 | 17.50 | 17.69 | 17.69 | 5         | 19                 | 19                 |
|             |            |         |           | 100             | 0     | 17.51 | 17.47 | 17.82 | 17.82 | 5         | 19                 | 19                 |
|             |            |         |           | 1               | 0     | 17.65 | 17.62 | 17.92 | 17.92 | 5         | 19                 | 19                 |
|             |            |         |           | 1               | 50    | 17.62 | 17.59 | 17.89 | 17.89 | 5         | 19                 | 19                 |
|             |            |         |           | 1               | 75    | 17.68 | 17.67 | 17.97 | 17.97 | 5         | 19                 | 19                 |
| 10          | 16QAM      | 1       | 0         | 50              | 0     | 16.38 | 16.40 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 0     | 16.38 | 16.40 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 50    | 16.36 | 16.43 | 16.53 | 16.53 | 2         | 22                 | 22                 |
|             |            |         |           | 50              | 0     | 15.33 | 15.35 | 15.52 | 15.52 | 3         | 21                 | 21                 |
|             |            |         |           | 50              | 25    | 16.26 | 16.30 | 16.50 | 16.50 | 2         | 22                 | 22                 |
|             |            |         |           | 100             | 0     | 16.38 | 16.39 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 0     | 16.38 | 16.57 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 50    | 16.36 | 16.46 | 16.56 | 16.56 | 2         | 22                 | 22                 |
|             |            |         |           | 50              | 0     | 15.33 | 15.35 | 15.52 | 15.52 | 3         | 21                 | 21                 |
|             |            |         |           | 50              | 25    | 16.26 | 16.30 | 16.50 | 16.50 | 2         | 22                 | 22                 |
| 5           | 64QAM      | 1       | 0         | 50              | 0     | 15.33 | 15.35 | 15.52 | 15.52 | 3         | 21                 | 21                 |
|             |            |         |           | 50              | 25    | 16.26 | 16.30 | 16.50 | 16.50 | 2         | 22                 | 22                 |
|             |            |         |           | 100             | 0     | 16.38 | 16.39 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 0     | 16.38 | 16.57 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 50    | 16.36 | 16.46 | 16.56 | 16.56 | 2         | 22                 | 22                 |
|             |            |         |           | 50              | 0     | 15.33 | 15.35 | 15.52 | 15.52 | 3         | 21                 | 21                 |
|             |            |         |           | 50              | 25    | 16.26 | 16.30 | 16.50 | 16.50 | 2         | 22                 | 22                 |
|             |            |         |           | 100             | 0     | 16.38 | 16.39 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 0     | 16.38 | 16.57 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 50    | 16.36 | 16.46 | 16.56 | 16.56 | 2         | 22                 | 22                 |
| 20          | QPSK       | 1       | 0         | 50              | 0     | 17.47 | 17.50 | 17.69 | 17.69 | 5         | 19                 | 19                 |
|             |            |         |           | 1               | 0     | 17.47 | 17.50 | 17.69 | 17.69 | 5         | 19                 | 19                 |
|             |            |         |           | 1               | 50    | 17.49 | 17.50 | 17.77 | 17.77 | 5         | 19                 | 19                 |
|             |            |         |           | 50              | 0     | 17.47 | 17.50 | 17.69 | 17.69 | 5         | 19                 | 19                 |
|             |            |         |           | 50              | 25    | 17.52 | 17.53 | 17.73 | 17.73 | 5         | 19                 | 19                 |
|             |            |         |           | 50              | 50    | 17.52 | 17.50 | 17.69 | 17.69 | 5         | 19                 | 19                 |
|             |            |         |           | 100             | 0     | 17.51 | 17.47 | 17.82 | 17.82 | 5         | 19                 | 19                 |
|             |            |         |           | 1               | 0     | 17.65 | 17.62 | 17.92 | 17.92 | 5         | 19                 | 19                 |
|             |            |         |           | 1               | 50    | 17.62 | 17.59 | 17.89 | 17.89 | 5         | 19                 | 19                 |
|             |            |         |           | 1               | 75    | 17.68 | 17.67 | 17.97 | 17.97 | 5         | 19                 | 19                 |
| 10          | 16QAM      | 1       | 0         | 50              | 0     | 16.38 | 16.40 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 0     | 16.38 | 16.40 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 50    | 16.36 | 16.43 | 16.53 | 16.53 | 2         | 22                 | 22                 |
|             |            |         |           | 50              | 0     | 15.33 | 15.35 | 15.52 | 15.52 | 3         | 21                 | 21                 |
|             |            |         |           | 50              | 25    | 16.26 | 16.30 | 16.50 | 16.50 | 2         | 22                 | 22                 |
|             |            |         |           | 100             | 0     | 16.38 | 16.39 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 0     | 16.38 | 16.57 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 50    | 16.36 | 16.46 | 16.56 | 16.56 | 2         | 22                 | 22                 |
|             |            |         |           | 50              | 0     | 15.33 | 15.35 | 15.52 | 15.52 | 3         | 21                 | 21                 |
|             |            |         |           | 50              | 25    | 16.26 | 16.30 | 16.50 | 16.50 | 2         | 22                 | 22                 |
| 5           | 64QAM      | 1       | 0         | 50              | 0     | 15.33 | 15.35 | 15.52 | 15.52 | 3         | 21                 | 21                 |
|             |            |         |           | 50              | 25    | 16.26 | 16.30 | 16.50 | 16.50 | 2         | 22                 | 22                 |
|             |            |         |           | 100             | 0     | 16.38 | 16.39 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 0     | 16.38 | 16.57 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 50    | 16.36 | 16.46 | 16.56 | 16.56 | 2         | 22                 | 22                 |
|             |            |         |           | 50              | 0     | 15.33 | 15.35 | 15.52 | 15.52 | 3         | 21                 | 21                 |
|             |            |         |           | 50              | 25    | 16.26 | 16.30 | 16.50 | 16.50 | 2         | 22                 | 22                 |
|             |            |         |           | 100             | 0     | 16.38 | 16.39 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 0     | 16.38 | 16.57 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 50    | 16.36 | 16.46 | 16.56 | 16.56 | 2         | 22                 | 22                 |
| 20          | QPSK       | 1       | 0         | 50              | 0     | 17.47 | 17.50 | 17.69 | 17.69 | 5         | 19                 | 19                 |
|             |            |         |           | 1               | 0     | 17.47 | 17.50 | 17.69 | 17.69 | 5         | 19                 | 19                 |
|             |            |         |           | 1               | 50    | 17.49 | 17.50 | 17.77 | 17.77 | 5         | 19                 | 19                 |
|             |            |         |           | 50              | 0     | 17.47 | 17.50 | 17.69 | 17.69 | 5         | 19                 | 19                 |
|             |            |         |           | 50              | 25    | 17.52 | 17.53 | 17.73 | 17.73 | 5         | 19                 | 19                 |
|             |            |         |           | 50              | 50    | 17.52 | 17.50 | 17.69 | 17.69 | 5         | 19                 | 19                 |
|             |            |         |           | 100             | 0     | 17.51 | 17.47 | 17.82 | 17.82 | 5         | 19                 | 19                 |
|             |            |         |           | 1               | 0     | 17.65 | 17.62 | 17.92 | 17.92 | 5         | 19                 | 19                 |
|             |            |         |           | 1               | 50    | 17.62 | 17.59 | 17.89 | 17.89 | 5         | 19                 | 19                 |
|             |            |         |           | 1               | 75    | 17.68 | 17.67 | 17.97 | 17.97 | 5         | 19                 | 19                 |
| 10          | 16QAM      | 1       | 0         | 50              | 0     | 16.38 | 16.40 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 0     | 16.38 | 16.40 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 50    | 16.36 | 16.43 | 16.53 | 16.53 | 2         | 22                 | 22                 |
|             |            |         |           | 50              | 0     | 15.33 | 15.35 | 15.52 | 15.52 | 3         | 21                 | 21                 |
|             |            |         |           | 50              | 25    | 16.26 | 16.30 | 16.50 | 16.50 | 2         | 22                 | 22                 |
|             |            |         |           | 100             | 0     | 16.38 | 16.39 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 0     | 16.38 | 16.57 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 50    | 16.36 | 16.46 | 16.56 | 16.56 | 2         | 22                 | 22                 |
|             |            |         |           | 50              | 0     | 15.33 | 15.35 | 15.52 | 15.52 | 3         | 21                 | 21                 |
|             |            |         |           | 50              | 25    | 16.26 | 16.30 | 16.50 | 16.50 | 2         | 22                 | 22                 |
| 5           | 64QAM      | 1       | 0         | 50              | 0     | 15.33 | 15.35 | 15.52 | 15.52 | 3         | 21                 | 21                 |
|             |            |         |           | 50              | 25    | 16.26 | 16.30 | 16.50 | 16.50 | 2         | 22                 | 22                 |
|             |            |         |           | 100             | 0     | 16.38 | 16.39 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 0     | 16.38 | 16.57 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 50    | 16.36 | 16.46 | 16.56 | 16.56 | 2         | 22                 | 22                 |
|             |            |         |           | 50              | 0     | 15.33 | 15.35 | 15.52 | 15.52 | 3         | 21                 | 21                 |
|             |            |         |           | 50              | 25    | 16.26 | 16.30 | 16.50 | 16.50 | 2         | 22                 | 22                 |
|             |            |         |           | 100             | 0     | 16.38 | 16.39 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 0     | 16.38 | 16.57 | 16.58 | 16.58 | 2         | 22                 | 22                 |
|             |            |         |           | 1               | 50    | 16.36 | 16.46 | 16.56 | 16.56 | 2         | 22                 |                    |

| LTE Band 71 |            |         |                 |         |       |       |       |       |      |           |                    |                    |
|-------------|------------|---------|-----------------|---------|-------|-------|-------|-------|------|-----------|--------------------|--------------------|
| BW [MHz]    | Modulation | RB Size | RB Offset       | Low     |       |       |       | Mid   | High | SCS [MHz] | Max. Time-up [MHz] | Max. Time-up [MHz] |
|             |            |         |                 | Channel | 13332 | 13332 | 13332 |       |      |           |                    |                    |
| 20          | QPSK       | 1       | Frequency [MHz] | 0       | 23.08 | 23.08 | 23.09 | 0     | 24   | 24        |                    |                    |
|             |            |         |                 | 1       | 99    | 22.97 | 23.07 | 23.02 | 0    | 24        | 24                 |                    |
|             |            |         |                 | 50      | 0     | 21.79 | 21.80 | 21.80 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 50      | 25    | 21.89 | 21.89 | 21.81 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 50      | 50    | 21.84 | 21.81 | 21.71 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 100     | 0     | 21.89 | 21.89 | 21.71 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 1       | 0     | 22.08 | 22.08 | 21.84 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 1       | 50    | 22.11 | 22.17 | 21.80 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 1       | 75    | 22.10 | 22.16 | 21.79 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 1       | 99    | 22.07 | 22.13 | 21.78 | 1    | 23        | 23                 |                    |
| 10          | 16QAM      | 1       | Frequency [MHz] | 50      | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 25    | 20.80 | 20.82 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 100     | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 0     | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 50    | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 25    | 20.80 | 20.82 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 100     | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 0     | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 50    | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
| 5           | 64QAM      | 1       | Frequency [MHz] | 50      | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 25    | 20.80 | 20.82 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 100     | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 0     | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 50    | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 25    | 20.80 | 20.82 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 100     | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 0     | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 50    | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
| 20          | QPSK       | 1       | Frequency [MHz] | 0       | 23.08 | 23.08 | 23.09 | 0     | 24   | 24        |                    |                    |
|             |            |         |                 | 1       | 99    | 22.97 | 23.07 | 23.02 | 0    | 24        | 24                 |                    |
|             |            |         |                 | 50      | 0     | 21.79 | 21.80 | 21.80 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 50      | 25    | 21.89 | 21.89 | 21.81 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 50      | 50    | 21.84 | 21.81 | 21.71 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 100     | 0     | 21.89 | 21.89 | 21.71 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 1       | 0     | 22.08 | 22.08 | 21.84 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 1       | 50    | 22.11 | 22.17 | 21.80 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 1       | 75    | 22.10 | 22.16 | 21.79 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 1       | 99    | 22.07 | 22.13 | 21.78 | 1    | 23        | 23                 |                    |
| 10          | 16QAM      | 1       | Frequency [MHz] | 50      | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 25    | 20.80 | 20.82 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 100     | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 0     | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 50    | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 25    | 20.80 | 20.82 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 100     | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 0     | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 50    | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
| 5           | 64QAM      | 1       | Frequency [MHz] | 50      | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 25    | 20.80 | 20.82 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 100     | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 0     | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 50    | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 25    | 20.80 | 20.82 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 100     | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 0     | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 50    | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
| 20          | QPSK       | 1       | Frequency [MHz] | 0       | 23.08 | 23.08 | 23.09 | 0     | 24   | 24        |                    |                    |
|             |            |         |                 | 1       | 99    | 22.97 | 23.07 | 23.02 | 0    | 24        | 24                 |                    |
|             |            |         |                 | 50      | 0     | 21.79 | 21.80 | 21.80 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 50      | 25    | 21.89 | 21.89 | 21.81 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 50      | 50    | 21.84 | 21.81 | 21.71 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 100     | 0     | 21.89 | 21.89 | 21.71 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 1       | 0     | 22.08 | 22.08 | 21.84 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 1       | 50    | 22.11 | 22.17 | 21.80 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 1       | 75    | 22.10 | 22.16 | 21.79 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 1       | 99    | 22.07 | 22.13 | 21.78 | 1    | 23        | 23                 |                    |
| 10          | 16QAM      | 1       | Frequency [MHz] | 50      | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 25    | 20.80 | 20.82 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 100     | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 0     | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 50    | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 25    | 20.80 | 20.82 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 100     | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 0     | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 50    | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
| 5           | 64QAM      | 1       | Frequency [MHz] | 50      | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 25    | 20.80 | 20.82 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 100     | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 0     | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 50    | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 25    | 20.80 | 20.82 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 100     | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 0     | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 50    | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
| 20          | QPSK       | 1       | Frequency [MHz] | 0       | 23.08 | 23.08 | 23.09 | 0     | 24   | 24        |                    |                    |
|             |            |         |                 | 1       | 99    | 22.97 | 23.07 | 23.02 | 0    | 24        | 24                 |                    |
|             |            |         |                 | 50      | 0     | 21.79 | 21.80 | 21.80 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 50      | 25    | 21.89 | 21.89 | 21.81 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 50      | 50    | 21.84 | 21.81 | 21.71 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 100     | 0     | 21.89 | 21.89 | 21.71 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 1       | 0     | 22.08 | 22.08 | 21.84 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 1       | 50    | 22.11 | 22.17 | 21.80 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 1       | 75    | 22.10 | 22.16 | 21.79 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 1       | 99    | 22.07 | 22.13 | 21.78 | 1    | 23        | 23                 |                    |
| 10          | 16QAM      | 1       | Frequency [MHz] | 50      | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 25    | 20.80 | 20.82 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 100     | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 0     | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 50    | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 25    | 20.80 | 20.82 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 100     | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 0     | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 50    | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
| 5           | 64QAM      | 1       | Frequency [MHz] | 50      | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 25    | 20.80 | 20.82 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 100     | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 0     | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 50    | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 25    | 20.80 | 20.82 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 100     | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 0     | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 50    | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
| 20          | QPSK       | 1       | Frequency [MHz] | 0       | 23.08 | 23.08 | 23.09 | 0     | 24   | 24        |                    |                    |
|             |            |         |                 | 1       | 99    | 22.97 | 23.07 | 23.02 | 0    | 24        | 24                 |                    |
|             |            |         |                 | 50      | 0     | 21.79 | 21.80 | 21.80 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 50      | 25    | 21.89 | 21.89 | 21.81 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 50      | 50    | 21.84 | 21.81 | 21.71 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 100     | 0     | 21.89 | 21.89 | 21.71 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 1       | 0     | 22.08 | 22.08 | 21.84 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 1       | 50    | 22.11 | 22.17 | 21.80 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 1       | 75    | 22.10 | 22.16 | 21.79 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 1       | 99    | 22.07 | 22.13 | 21.78 | 1    | 23        | 23                 |                    |
| 10          | 16QAM      | 1       | Frequency [MHz] | 50      | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 25    | 20.80 | 20.82 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 100     | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 0     | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 50    | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 25    | 20.80 | 20.82 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 100     | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 0     | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 50    | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
| 5           | 64QAM      | 1       | Frequency [MHz] | 50      | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 25    | 20.80 | 20.82 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 100     | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 0     | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 50    | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 25    | 20.80 | 20.82 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 100     | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 0     | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 50    | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
| 20          | QPSK       | 1       | Frequency [MHz] | 0       | 23.08 | 23.08 | 23.09 | 0     | 24   | 24        |                    |                    |
|             |            |         |                 | 1       | 99    | 22.97 | 23.07 | 23.02 | 0    | 24        | 24                 |                    |
|             |            |         |                 | 50      | 0     | 21.79 | 21.80 | 21.80 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 50      | 25    | 21.89 | 21.89 | 21.81 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 50      | 50    | 21.84 | 21.81 | 21.71 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 100     | 0     | 21.89 | 21.89 | 21.71 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 1       | 0     | 22.08 | 22.08 | 21.84 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 1       | 50    | 22.11 | 22.17 | 21.80 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 1       | 75    | 22.10 | 22.16 | 21.79 | 1    | 23        | 23                 |                    |
|             |            |         |                 | 1       | 99    | 22.07 | 22.13 | 21.78 | 1    | 23        | 23                 |                    |
| 10          | 16QAM      | 1       | Frequency [MHz] | 50      | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 25    | 20.80 | 20.82 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 100     | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 0     | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 50    | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 50      | 25    | 20.80 | 20.82 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 100     | 0     | 20.87 | 20.87 | 20.88 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 0     | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
|             |            |         |                 | 1       | 50    | 21.12 | 21.12 | 20.79 | 2    | 22        | 22                 |                    |
| 5           | 64QAM      | 1       | Frequency [MHz] | 50      | 0     |       |       |       |      |           |                    |                    |

<Full Power For NR Normal Mode>

| n12 (SCS 15kHz) |            |                 |           |       |       |       |                          |
|-----------------|------------|-----------------|-----------|-------|-------|-------|--------------------------|
| BW<br>(MHz)     | DFT-s-OFDM | RB Size         | RB Offset | Low   | Mid   | High  | Max.<br>Time-up<br>(dBm) |
|                 |            | Channel         |           | 37200 | 37600 | 38000 |                          |
| 20              | PUSCH      | Frequency (MHz) |           | 1860  | 1880  | 1900  | MPR<br>(dB)              |
|                 |            | 1               | 1         | 23.00 | 23.07 | 23.05 |                          |
|                 |            | 1               | 53        | 22.95 | 23.04 | 22.83 |                          |
|                 |            | 1               | 104       | 22.99 | 23.01 | 22.83 |                          |
|                 |            | 50              | 0         | 22.88 | 23.02 | 23.02 |                          |
|                 |            | 50              | 28        | 22.98 | 23.00 | 22.87 |                          |
|                 | QPSK       | 50              | 56        | 22.99 | 22.98 | 22.90 | 0                        |
|                 |            | 100             | 0         | 22.85 | 22.95 | 22.77 |                          |
|                 |            | 1               | 1         | 23.02 | 23.06 | 23.06 |                          |
|                 |            | 1               | 53        | 23.00 | 23.06 | 23.06 |                          |
|                 |            | 1               | 104       | 23.01 | 23.07 | 22.99 |                          |
|                 |            | 50              | 0         | 22.99 | 23.02 | 22.82 |                          |
|                 | 16QAM      | 50              | 28        | 23.00 | 23.06 | 23.03 | 0                        |
|                 |            | 50              | 56        | 22.96 | 22.90 | 22.90 |                          |
|                 |            | 100             | 0         | 22.95 | 23.02 | 22.98 |                          |
|                 | 64QAM      | 1               | 1         | 22.97 | 23.00 | 22.90 | 0                        |
|                 |            | 64QAM           | 1         | 1     | 21.64 | 21.68 |                          |
|                 | 256QAM     | 1               | 1         | 19.26 | 19.24 | 19.14 | 1.5                      |
|                 |            | 256QAM          | 1         | 1     | 19.26 | 19.24 |                          |
| BW<br>(MHz)     | DFT-s-OFDM | Channel         |           | 37200 | 37600 | 38000 | MPR<br>(dB)              |
| 15              | QPSK       | 1               | 1         | 22.82 | 22.80 | 22.95 | 0                        |
| BW<br>(MHz)     | DFT-s-OFDM | Channel         |           | 37200 | 37600 | 38000 | MPR<br>(dB)              |
| 5               | QPSK       | 1               | 1         | 22.93 | 22.99 | 22.85 | 0                        |
| BW<br>(MHz)     | DFT-s-OFDM | Channel         |           | 37200 | 37600 | 38000 | MPR<br>(dB)              |
| 5               | QPSK       | 1               | 1         | 22.81 | 22.97 | 22.88 | 0                        |

| n5 (SCS 15kHz) |            |                 |           |       |       |       |                          |
|----------------|------------|-----------------|-----------|-------|-------|-------|--------------------------|
| BW<br>(MHz)    | DFT-s-OFDM | RB Size         | RB Offset | Low   | Mid   | High  | Max.<br>Time-up<br>(dBm) |
|                |            | Channel         |           | 16600 | 16700 | 16700 |                          |
| 20             | PUSCH      | Frequency (MHz) |           | 834   | 834.5 | 839   | MPR<br>(dB)              |
|                |            | 1               | 1         | 23.22 | 23.32 | 23.29 |                          |
|                |            | 1               | 50        | 23.17 | 23.28 | 23.21 |                          |
|                |            | 1               | 104       | 23.19 | 23.31 | 23.19 |                          |
|                |            | 50              | 0         | 23.01 | 23.18 | 23.00 |                          |
|                |            | 50              | 28        | 23.16 | 23.32 | 23.19 |                          |
|                | QPSK       | 50              | 56        | 22.97 | 23.14 | 23.03 | 0                        |
|                |            | 100             | 0         | 23.29 | 23.32 | 23.14 |                          |
|                |            | 1               | 1         | 23.35 | 23.37 | 23.32 |                          |
|                |            | 1               | 53        | 23.17 | 23.18 | 23.22 |                          |
|                |            | 1               | 104       | 23.28 | 23.27 | 23.20 |                          |
|                |            | 50              | 0         | 23.24 | 23.33 | 23.23 |                          |
|                | 16QAM      | 50              | 28        | 23.32 | 23.35 | 23.30 | 0                        |
|                |            | 50              | 56        | 23.26 | 23.19 | 23.15 |                          |
|                |            | 100             | 0         | 23.30 | 23.33 | 23.26 |                          |
|                | 64QAM      | 1               | 1         | 23.20 | 23.24 | 23.03 | 0                        |
|                |            | 64QAM           | 1         | 1     | 21.58 | 21.79 |                          |
|                | 256QAM     | 1               | 1         | 19.19 | 19.02 | 19.00 | 1.5                      |
|                |            | 256QAM          | 1         | 1     | 19.19 | 19.02 |                          |
| BW<br>(MHz)    | DFT-s-OFDM | Channel         |           | 16600 | 16700 | 16700 | MPR<br>(dB)              |
| 15             | QPSK       | 1               | 1         | 23.32 | 23.30 | 23.31 | 0                        |
| BW<br>(MHz)    | DFT-s-OFDM | Channel         |           | 16600 | 16700 | 16700 | MPR<br>(dB)              |
| 5              | QPSK       | 1               | 1         | 23.28 | 23.18 | 23.24 | 0                        |
| BW<br>(MHz)    | DFT-s-OFDM | Channel         |           | 16600 | 16700 | 16700 | MPR<br>(dB)              |
| 1.5            | QPSK       | 1               | 1         | 23.22 | 23.28 | 23.30 | 0                        |

| n12 (SCS 15kHz) |            |                 |           |       |       |       |                          |
|-----------------|------------|-----------------|-----------|-------|-------|-------|--------------------------|
| BW<br>(MHz)     | DFT-s-OFDM | RB Size         | RB Offset | Low   | Mid   | High  | Max.<br>Time-up<br>(dBm) |
|                 |            | Channel         |           | 14100 | 14100 | 14100 |                          |
| 15              | PUSCH      | Frequency (MHz) |           | 706.5 | 707.5 | 708.5 | MPR<br>(dB)              |
|                 |            | 1               | 1         | 23.20 | 23.25 | 23.21 |                          |
|                 |            | 1               | 40        | 23.14 | 23.18 | 23.17 |                          |
|                 |            | 1               | 77        | 23.09 | 23.15 | 23.04 |                          |
|                 |            | 36              | 0         | 23.16 | 23.16 | 23.09 |                          |
|                 |            | 36              | 22        | 23.17 | 23.22 | 23.18 |                          |
|                 | QPSK       | 36              | 43        | 23.14 | 23.13 | 23.10 | 0                        |
|                 |            | 75              | 0         | 23.15 | 23.17 | 23.08 |                          |
|                 |            | 1               | 1         | 23.22 | 23.27 | 23.24 |                          |
|                 |            | 1               | 40        | 23.17 | 23.20 | 23.20 |                          |
|                 |            | 1               | 77        | 23.12 | 23.24 | 23.22 |                          |
|                 |            | 36              | 0         | 23.07 | 23.21 | 23.14 |                          |
|                 | 16QAM      | 36              | 22        | 23.20 | 23.24 | 23.22 | 0                        |
|                 |            | 36              | 43        | 23.18 | 23.20 | 23.13 |                          |
|                 |            | 75              | 0         | 23.17 | 23.22 | 23.20 |                          |
|                 | 64QAM      | 1               | 1         | 23.22 | 23.18 | 23.22 | 0                        |
|                 |            | 64QAM           | 1         | 1     | 21.42 | 21.46 |                          |
|                 | 256QAM     | 1               | 1         | 19.09 | 19.14 | 19.15 | 1.5                      |
|                 |            | 256QAM          | 1         | 1     | 19.09 | 19.14 |                          |
| BW<br>(MHz)     | DFT-s-OFDM | Channel         |           | 14000 | 14000 | 14000 | MPR<br>(dB)              |
| 10              | QPSK       | 1               | 1         | 23.23 | 23.13 | 23.11 | 0                        |
| BW<br>(MHz)     | DFT-s-OFDM | Channel         |           | 14000 | 14000 | 14000 | MPR<br>(dB)              |
| 5               | QPSK       | 1               | 1         | 23.22 | 23.25 | 23.21 | 0                        |



| n14 (SCS 15kHz) |            |                 |           |                 |        |        |             |                          |      |      |
|-----------------|------------|-----------------|-----------|-----------------|--------|--------|-------------|--------------------------|------|------|
| BW<br>(MHz)     | DFT-s-OFDM | RB Size         | RB Offset | Low             | Mid    | High   | MPR<br>(dB) | Max.<br>Time-up<br>(dBm) |      |      |
|                 |            | Channel         |           | Frequency (MHz) |        |        |             |                          |      |      |
| 10              | PUSC       | 1               | 1         | 15800           | 793    |        | 0           | 24.0                     |      |      |
|                 |            | 1               | 26        | 23.17           |        |        | 0           | 24.0                     |      |      |
|                 |            | 1               | 50        | 23.18           |        |        | 0           | 24.0                     |      |      |
|                 |            | 25              | 0         | 23.27           |        |        | 0           | 24.0                     |      |      |
|                 |            | 25              | 14        | 23.30           |        |        | 0           | 24.0                     |      |      |
|                 |            | 25              | 27        | 23.33           |        |        | 0           | 24.0                     |      |      |
|                 |            | 50              | 0         | 23.29           |        |        | 0           | 24.0                     |      |      |
|                 |            | 1               | 1         | 23.35           |        |        | 0           | 24.0                     |      |      |
|                 |            | 1               | 26        | 23.28           |        |        | 0           | 24.0                     |      |      |
|                 |            | 1               | 50        | 23.34           |        |        | 0           | 24.0                     |      |      |
|                 | QPSK       | 25              | 0         | 23.27           |        |        | 0           | 24.0                     |      |      |
|                 |            | 25              | 14        | 23.33           |        |        | 0           | 24.0                     |      |      |
|                 |            | 25              | 27        | 23.29           |        |        | 0           | 24.0                     |      |      |
|                 |            | 50              | 0         | 23.30           |        |        | 0           | 24.0                     |      |      |
|                 |            | 16QAM           | 1         | 1               | 23.33  |        |             | 0                        | 24.0 |      |
|                 |            | 64QAM           | 1         | 1               | 23.84  | 1.5    | 22.5        |                          |      |      |
|                 |            | 256QAM          | 1         | 1               | 19.79  | 3.5    | 20.5        |                          |      |      |
|                 |            | Channel         |           | 158100          | 158000 | 159100 | MPR         | Max.                     |      |      |
|                 |            | Frequency (MHz) |           | 790.5           | 793    | 795.5  | (dB)        | Time-up                  |      |      |
|                 |            | 5               | QPSK      | 1               | 1      | 23.29  | 23.33       | 23.32                    | 0    | 24.0 |

| n25 (SCS 15kHz) |            |                 |           |                 |        |        |             |                          |      |
|-----------------|------------|-----------------|-----------|-----------------|--------|--------|-------------|--------------------------|------|
| BW<br>(MHz)     | DFT-s-OFDM | RB Size         | RB Offset | Low             | Mid    | High   | MPR<br>(dB) | Max.<br>Time-up<br>(dBm) |      |
|                 |            | Channel         |           | Frequency (MHz) |        | MPR    |             |                          |      |
| 20              | PUSC       | 1               | 1         | 312.12          | 231.17 | 23.15  | 0           | 24.0                     |      |
|                 |            | 1               | 53        | 22.94           | 23.11  | 23.00  | 0           | 24.0                     |      |
|                 |            | 1               | 104       | 23.00           | 23.04  | 23.03  | 0           | 24.0                     |      |
|                 |            | 50              | 0         | 23.06           | 23.04  | 23.05  | 0           | 24.0                     |      |
|                 |            | 50              | 28        | 23.09           | 23.11  | 23.10  | 0           | 24.0                     |      |
|                 |            | 50              | 56        | 22.92           | 22.89  | 22.93  | 0           | 24.0                     |      |
|                 |            | 100             | 0         | 22.93           | 23.10  | 22.96  | 0           | 24.0                     |      |
|                 |            | 1               | 1         | 23.15           | 23.20  | 23.17  | 0           | 24.0                     |      |
|                 |            | 1               | 53        | 23.04           | 23.14  | 23.07  | 0           | 24.0                     |      |
|                 |            | 1               | 104       | 23.13           | 23.16  | 23.14  | 0           | 24.0                     |      |
|                 | QPSK       | 50              | 0         | 23.10           | 23.09  | 23.11  | 0           | 24.0                     |      |
|                 |            | 50              | 28        | 23.12           | 23.18  | 23.14  | 0           | 24.0                     |      |
|                 |            | 50              | 56        | 22.95           | 23.04  | 22.90  | 0           | 24.0                     |      |
|                 |            | 100             | 0         | 23.08           | 23.15  | 23.10  | 0           | 24.0                     |      |
|                 |            | 16QAM           | 1         | 1               | 23.09  | 23.15  | 23.11       | 0                        | 24.0 |
|                 |            | 64QAM           | 1         | 1               | 21.82  | 21.87  | 21.90       | 1.5                      | 22.5 |
|                 |            | 256QAM          | 1         | 1               | 19.50  | 19.56  | 19.50       | 3.5                      | 20.5 |
|                 |            | Channel         |           | 312000          | 312000 | 362000 | MPR         | Max.                     |      |
|                 |            | Frequency (MHz) |           | 1567.5          | 1562.5 | 1597.5 | (dB)        | Time-up                  |      |
|                 |            | 15              | QPSK      | 1               | 1      | 23.14  | 23.16       | 23.13                    | 0    |
| 5               | QPSK       | Channel         |           | 311800          | 311800 | 362000 | MPR         | Max.                     |      |
|                 |            | Frequency (MHz) |           | 1562.5          | 1562.5 | 1592.5 | (dB)        | Time-up                  |      |
| 10              | QPSK       | 1               | 1         | 23.11           | 23.16  | 23.15  | 0           | 24.0                     |      |
| 5               | QPSK       | Channel         |           | 311900          | 311900 | 362000 | MPR         | Max.                     |      |
|                 |            | Frequency (MHz) |           | 1562.5          | 1562.5 | 1592.5 | (dB)        | Time-up                  |      |
| 5               | QPSK       | 1               | 1         | 23.05           | 23.08  | 23.17  | 0           | 24.0                     |      |

| n30 (SCS 15kHz) |            |                            |           |        |        |        |             |                       |      |
|-----------------|------------|----------------------------|-----------|--------|--------|--------|-------------|-----------------------|------|
| BW<br>(MHz)     | DFT-s-OFDM | RB Size                    | RB Offset | Low    | Mid    | High   | MPR<br>(dB) | Max. Time-up<br>(dBm) |      |
|                 |            | Channel<br>Frequency (MHz) |           | 2307.5 | 2310   | 2312.5 |             |                       |      |
| 10              | PUSC       | 1                          | 1         | 21.27  | 21.30  |        | 0           | 22.0                  |      |
|                 |            | 1                          | 26        | 21.25  |        |        | 0           | 22.0                  |      |
|                 |            | 1                          | 50        | 21.20  |        |        | 0           | 22.0                  |      |
|                 |            | 25                         | 0         | 20.73  |        |        | 0.5         | 21.5                  |      |
|                 |            | 25                         | 14        | 21.24  |        |        | 0           | 22.0                  |      |
|                 |            | 25                         | 27        | 20.71  |        |        | 0.5         | 21.5                  |      |
|                 |            | 50                         | 0         | 20.75  |        |        | 0.5         | 21.5                  |      |
|                 |            | 1                          | 1         | 21.30  |        |        | 0           | 22.0                  |      |
|                 |            | 1                          | 26        | 21.26  |        |        | 0           | 22.0                  |      |
|                 |            | 1                          | 50        | 21.23  |        |        | 0           | 22.0                  |      |
|                 | QPSK       | 25                         | 0         | 20.27  |        |        | 1           | 21.0                  |      |
|                 |            | 25                         | 14        | 21.28  |        |        | 0           | 22.0                  |      |
|                 |            | 25                         | 27        | 20.36  |        |        | 1           | 21.0                  |      |
|                 |            | 50                         | 0         | 20.27  |        |        | 1           | 21.0                  |      |
|                 |            | 16QAM                      | 1         | 1      | 20.34  |        |             | 1                     | 21.0 |
|                 |            | 64QAM                      | 1         | 1      | 18.82  |        |             | 2.5                   | 19.5 |
|                 |            | 256QAM                     | 1         | 1      | 16.77  |        |             | 4.5                   | 17.5 |
|                 |            | Channel                    |           | 461000 | 462000 | 462000 | MPR         | Max.                  |      |
|                 |            | Frequency (MHz)            |           | 2307.5 | 2310   | 2312.5 | (dB)        | Time-up               |      |
|                 |            | 5                          | QPSK      | 1      | 1      | 21.13  | 21.25       | 21.20                 | 0    |





<Full Power For NR Redcap Mode>

| n2 (SCS 15kHz) |            |                 |           |       |       |       |              |                          |                          |  |
|----------------|------------|-----------------|-----------|-------|-------|-------|--------------|--------------------------|--------------------------|--|
| BW<br>(MHz)    | DFT-s-OFDM | RB Size         | RB Offset | Low   | Mid   | High  | MPR<br>(MHz) | Max.<br>Time-up<br>(dBm) | Max.<br>Time-up<br>(dBm) |  |
|                |            | Channel         |           | 37200 | 37600 | 38000 |              |                          |                          |  |
| 20             | PUSCH      | Frequency (MHz) |           | 1860  | 1880  | 1900  |              |                          |                          |  |
|                |            | 1               | 1         | 22.93 | 22.88 | 22.97 | 0            | 24.0                     |                          |  |
|                |            | 1               | 53        | 22.83 | 22.95 | 22.84 | 0            | 24.0                     |                          |  |
|                |            | 1               | 104       | 22.92 | 22.84 | 22.84 | 0            | 24.0                     |                          |  |
|                |            | 50              | 0         | 22.70 | 22.99 | 23.02 | 0            | 24.0                     |                          |  |
|                |            | 50              | 28        | 22.98 | 22.96 | 22.73 | 0            | 24.0                     |                          |  |
|                | QPSK       | 50              | 56        | 22.81 | 22.84 | 22.88 | 0            | 24.0                     |                          |  |
|                |            | 100             | 0         | 22.81 | 22.82 | 22.62 | 0            | 24.0                     |                          |  |
|                |            | 1               | 1         | 22.98 | 23.06 | 23.03 | 0            | 24.0                     |                          |  |
|                |            | 1               | 53        | 22.85 | 22.90 | 22.88 | 0            | 24.0                     |                          |  |
|                |            | 1               | 104       | 22.81 | 22.95 | 22.81 | 0            | 24.0                     |                          |  |
|                |            | 50              | 0         | 22.92 | 22.96 | 22.72 | 0            | 24.0                     |                          |  |
|                | 16QAM      | 50              | 28        | 22.96 | 23.03 | 22.89 | 0            | 24.0                     |                          |  |
|                |            | 50              | 56        | 22.94 | 22.79 | 22.87 | 0            | 24.0                     |                          |  |
|                |            | 100             | 0         | 22.94 | 23.00 | 22.96 | 0            | 24.0                     |                          |  |
|                |            | 64QAM           | 1         | 1     | 22.77 | 22.81 | 22.74        | 0                        | 24.0                     |  |
|                |            | 64QAM           | 1         | 1     | 21.63 | 21.66 | 21.38        | 1.5                      | 22.5                     |  |
|                |            | 256QAM          | 1         | 1     | 19.07 | 19.21 | 19.12        | 3.5                      | 20.5                     |  |
| BW<br>(MHz)    | DFT-s-OFDM | Channel         |           | 37200 | 37600 | 38000 | MPR<br>(MHz) | Max.<br>Time-up          | Max.<br>Time-up          |  |
| 15             | QPSK       | 1               | 1         | 22.89 | 23.03 | 22.95 | 0            | 24.0                     |                          |  |
| BW<br>(MHz)    | DFT-s-OFDM | Channel         |           | 37200 | 37600 | 38000 | MPR<br>(MHz) | Max.<br>Time-up          | Max.<br>Time-up          |  |
| 10             | QPSK       | 1               | 1         | 22.90 | 22.90 | 22.90 | 0            | 24.0                     |                          |  |
| BW<br>(MHz)    | DFT-s-OFDM | Channel         |           | 37200 | 37600 | 38000 | MPR<br>(MHz) | Max.<br>Time-up          | Max.<br>Time-up          |  |
| 5              | QPSK       | 1               | 1         | 22.91 | 22.88 | 22.95 | 0            | 24.0                     |                          |  |

| n5 (SCS 15kHz) |            |                 |           |       |       |       |              |                 |                 |
|----------------|------------|-----------------|-----------|-------|-------|-------|--------------|-----------------|-----------------|
| BW<br>(MHz)    | DFT-s-OFDM | RB Size         | RB Offset | Low   | Mid   | High  | MPR<br>(MHz) | Max.<br>Time-up | Max.<br>Time-up |
|                |            | Channel         |           | 16680 | 16700 | 16700 |              |                 |                 |
| 20             | PUSCH      | Frequency (MHz) |           | 834   | 835.5 | 839   |              |                 |                 |
|                |            | 1               | 1         | 23.29 | 23.29 | 23.19 | 0            | 24.0            |                 |
|                |            | 1               | 53        | 23.99 | 23.29 | 23.02 | 0            | 24.0            |                 |
|                |            | 1               | 104       | 23.15 | 23.15 | 23.19 | 0            | 24.0            |                 |
|                |            | 50              | 0         | 22.82 | 23.16 | 22.82 | 0            | 24.0            |                 |
|                |            | 50              | 28        | 23.00 | 23.23 | 23.08 | 0            | 24.0            |                 |
|                | QPSK       | 50              | 56        | 22.81 | 23.09 | 22.83 | 0            | 24.0            |                 |
|                |            | 100             | 0         | 23.20 | 23.25 | 22.98 | 0            | 24.0            |                 |
|                |            | 1               | 1         | 23.25 | 23.35 | 23.20 | 0            | 24.0            |                 |
|                |            | 1               | 53        | 23.02 | 23.18 | 23.01 | 0            | 24.0            |                 |
|                |            | 1               | 104       | 23.19 | 23.18 | 23.11 | 0            | 24.0            |                 |
|                |            | 50              | 0         | 23.13 | 23.29 | 23.06 | 0            | 24.0            |                 |
|                | 16QAM      | 50              | 28        | 23.22 | 23.33 | 23.18 | 0            | 24.0            |                 |
|                |            | 50              | 56        | 23.00 | 23.15 | 23.04 | 0            | 24.0            |                 |
|                |            | 100             | 0         | 23.20 | 23.30 | 23.11 | 0            | 24.0            |                 |
|                |            | 64QAM           | 1         | 1     | 23.12 | 23.19 | 23.02        | 0               | 24.0            |
|                |            | 64QAM           | 1         | 1     | 21.42 | 21.75 | 21.49        | 1.5             | 22.5            |
|                |            | 256QAM          | 1         | 1     | 19.61 | 19.67 | 19.62        | 3.5             | 20.5            |
| BW<br>(MHz)    | DFT-s-OFDM | Channel         |           | 16680 | 16700 | 16700 | MPR<br>(MHz) | Max.<br>Time-up | Max.<br>Time-up |
| 15             | QPSK       | 1               | 1         | 23.30 | 23.21 | 23.09 | 0            | 24.0            |                 |
| BW<br>(MHz)    | DFT-s-OFDM | Channel         |           | 16680 | 16700 | 16700 | MPR<br>(MHz) | Max.<br>Time-up | Max.<br>Time-up |
| 5              | QPSK       | 1               | 1         | 23.32 | 23.17 | 23.13 | 0            | 24.0            |                 |
| 10             | QPSK       | Frequency (MHz) |           | 829   | 835.5 | 840   |              |                 |                 |
| BW<br>(MHz)    | DFT-s-OFDM | Channel         |           | 16680 | 16700 | 16700 | MPR<br>(MHz) | Max.<br>Time-up | Max.<br>Time-up |
|                |            | Frequency (MHz) |           | 831.5 | 832   | 833.5 |              |                 |                 |
|                |            | 1               | 1         | 23.12 | 23.12 | 23.29 | 0            | 24.0            |                 |

| n12 (SCS 15kHz) |            |                 |           |        |        |        |              |                          |                          |  |
|-----------------|------------|-----------------|-----------|--------|--------|--------|--------------|--------------------------|--------------------------|--|
| BW<br>(MHz)     | DFT-s-OFDM | RB Size         | RB Offset | Low    | Mid    | High   | MPR<br>(MHz) | Max.<br>Time-up<br>(dBm) | Max.<br>Time-up<br>(dBm) |  |
|                 |            | Channel         |           | 141300 | 141300 | 141700 |              |                          |                          |  |
| 15              | PUSCH      | Frequency (MHz) |           | 706.5  | 707.5  | 708.5  |              |                          |                          |  |
|                 |            | 1               | 1         | 23.04  | 23.11  | 23.19  | 0            | 24.0                     |                          |  |
|                 |            | 1               | 40        | 23.00  | 23.11  | 23.07  | 0            | 24.0                     |                          |  |
|                 |            | 1               | 77        | 23.06  | 22.96  | 22.83  | 0            | 24.0                     |                          |  |
|                 |            | 36              | 0         | 23.02  | 23.02  | 23.05  | 0            | 24.0                     |                          |  |
|                 |            | 36              | 22        | 23.13  | 23.01  | 22.98  | 0            | 24.0                     |                          |  |
|                 | QPSK       | 36              | 43        | 22.96  | 23.03  | 23.05  | 0            | 24.0                     |                          |  |
|                 |            | 75              | 0         | 23.00  | 23.17  | 23.06  | 0            | 24.0                     |                          |  |
|                 |            | 1               | 1         | 23.13  | 23.24  | 23.16  | 0            | 24.0                     |                          |  |
|                 |            | 1               | 40        | 23.10  | 23.04  | 23.02  | 0            | 24.0                     |                          |  |
|                 |            | 1               | 77        | 22.94  | 23.19  | 23.11  | 0            | 24.0                     |                          |  |
|                 |            | 36              | 0         | 22.89  | 23.20  | 23.03  | 0            | 24.0                     |                          |  |
|                 | 16QAM      | 36              | 22        | 23.11  | 23.21  | 23.15  | 0            | 24.0                     |                          |  |
|                 |            | 36              | 43        | 23.10  | 23.16  | 23.11  | 0            | 24.0                     |                          |  |
|                 |            | 75              | 0         | 23.17  | 23.20  | 23.12  | 0            | 24.0                     |                          |  |
|                 |            | 16QAM           | 1         | 1      | 23.05  | 23.13  | 23.11        | 0                        | 24.0                     |  |
|                 |            | 64QAM           | 1         | 1      | 21.28  | 21.37  | 21.26        | 1.5                      | 22.5                     |  |
|                 |            | 256QAM          | 1         | 1      | 19.69  | 19.65  | 19.61        | 3.5                      | 20.5                     |  |
| BW<br>(MHz)     | DFT-s-OFDM | Channel         |           | 140800 | 140800 | 140800 | MPR<br>(MHz) | Max.<br>Time-up          | Max.<br>Time-up          |  |
| 10              | QPSK       | 1               | 1         | 23.05  | 23.10  | 23.12  | 0            | 24.0                     |                          |  |
| BW<br>(MHz)     | DFT-s-OFDM | Channel         |           | 140800 | 140800 | 140800 | MPR<br>(MHz) | Max.<br>Time-up          | Max.<br>Time-up          |  |
| 5               | QPSK       | 1               | 1         | 23.10  | 23.07  | 23.22  | 0            | 24.0                     |                          |  |

| n14 (SCS 15kHz) |            |                 |           |                 |        |        |             |                          |      |
|-----------------|------------|-----------------|-----------|-----------------|--------|--------|-------------|--------------------------|------|
| BW<br>(MHz)     | DFT-s-OFDM | RB Size         | RB Offset | Low             | Mid    | High   | MPR<br>(dB) | Max.<br>Time-up<br>(dBm) |      |
|                 |            | Channel         |           | Frequency (MHz) |        |        |             |                          |      |
| 10              | PUSC       | 1               | 1         | 15800           | 793    |        |             | 0                        | 24.0 |
|                 |            | 1               | 26        | 23.11           | 23.00  |        | 0           | 24.0                     |      |
|                 |            | 1               | 50        | 23.19           | 23.19  |        | 0           | 24.0                     |      |
|                 |            | 25              | 0         | 23.07           | 23.07  |        | 0           | 24.0                     |      |
|                 |            | 25              | 14        | 23.11           | 23.11  |        | 0           | 24.0                     |      |
|                 |            | 25              | 27        | 23.07           | 23.07  |        | 0           | 24.0                     |      |
|                 |            | 50              | 0         | 23.20           | 23.20  |        | 0           | 24.0                     |      |
|                 |            | 1               | 1         | 23.23           | 23.23  |        | 0           | 24.0                     |      |
|                 |            | 1               | 26        | 23.13           | 23.13  |        | 0           | 24.0                     |      |
|                 |            | 1               | 50        | 23.17           | 23.17  |        | 0           | 24.0                     |      |
|                 | QPSK       | 25              | 0         | 23.07           | 23.07  |        | 0           | 24.0                     |      |
|                 |            | 25              | 14        | 23.30           | 23.30  |        | 0           | 24.0                     |      |
|                 |            | 25              | 27        | 23.29           | 23.29  |        | 0           | 24.0                     |      |
|                 |            | 50              | 0         | 23.26           | 23.26  |        | 0           | 24.0                     |      |
|                 |            | 16QAM           | 1         | 1               | 23.21  | 23.21  |             | 0                        | 24.0 |
|                 |            | 64QAM           | 1         | 1               | 23.08  | 23.08  | 1.5         | 22.5                     |      |
|                 |            | 256QAM          | 1         | 1               | 19.76  | 19.76  | 3.5         | 20.5                     |      |
|                 |            | Channel         |           | 158100          | 158000 | 159100 | MPR         | Max.                     |      |
|                 |            | Frequency (MHz) |           | 790.5           | 793    | 795.5  | (dB)        | Time-up                  |      |
|                 |            | 5               | QPSK      | 1               | 1      | 23.18  | 23.23       | 23.25                    | 0    |

| n25 (SCS 15kHz) |            |         |                 |                 |        |         |             |                          |         |  |
|-----------------|------------|---------|-----------------|-----------------|--------|---------|-------------|--------------------------|---------|--|
| BW<br>(MHz)     | DFT-s-OFDM | RB Size | RB Offset       | Low             | Mid    | High    | MPR<br>(dB) | Max.<br>Time-up<br>(dBm) |         |  |
|                 |            | Channel |                 | Frequency (MHz) |        |         |             |                          |         |  |
| 20              | PUSC       | 1       | 1               | 31200           | 1560   | 31100   |             | 24.0                     |         |  |
|                 |            | 1       | 1               | 23.09           | 23.12  | 23.04   | 0           | 24.0                     |         |  |
|                 |            | 1       | 53              | 22.81           | 23.06  | 22.82   | 0           | 24.0                     |         |  |
|                 |            | 1       | 104             | 22.99           | 22.99  | 22.86   | 0           | 24.0                     |         |  |
|                 |            | 50      | 0               | 23.02           | 23.04  | 22.95   | 0           | 24.0                     |         |  |
|                 |            | 50      | 28              | 23.03           | 23.01  | 22.93   | 0           | 24.0                     |         |  |
|                 |            | 50      | 56              | 22.92           | 22.75  | 22.82   | 0           | 24.0                     |         |  |
|                 |            | 100     | 0               | 22.81           | 22.90  | 22.96   | 0           | 24.0                     |         |  |
|                 |            | 1       | 1               | 23.16           | 23.18  | 23.11   | 0           | 24.0                     |         |  |
|                 |            | 1       | 53              | 22.89           | 23.02  | 22.86   | 0           | 24.0                     |         |  |
|                 | QPSK       | 1       | 104             | 22.95           | 23.07  | 22.98   | 0           | 24.0                     |         |  |
|                 |            | 50      | 0               | 23.11           | 23.05  | 22.99   | 0           | 24.0                     |         |  |
|                 |            | 50      | 28              | 23.14           | 23.15  | 23.08   | 0           | 24.0                     |         |  |
|                 |            | 50      | 56              | 22.96           | 22.92  | 22.92   | 0           | 24.0                     |         |  |
|                 |            | 100     | 0               | 22.92           | 23.11  | 23.01   | 0           | 24.0                     |         |  |
|                 |            | 16QAM   | 1               | 1               | 22.92  | 23.08   | 23.03       | 0                        | 24.0    |  |
|                 |            | 64QAM   | 1               | 1               | 21.63  | 21.77   | 21.73       | 1.5                      | 22.5    |  |
|                 |            | 256QAM  | 1               | 1               | 19.53  | 19.47   | 19.37       | 3.5                      | 20.5    |  |
|                 |            | Channel |                 | 311500          | 315000 | 361500  | MPR         | Max.                     |         |  |
| Frequency (MHz) |            | 1557.5  | 1562.5          | 1597.5          | (dB)   | Time-up |             |                          |         |  |
| BW<br>(MHz)     | 15         | QPSK    | Channel         |                 | 311000 | 315000  | 361000      | MPR                      | Max.    |  |
|                 |            |         | Frequency (MHz) |                 | 1555   | 1562.5  | 1592        | (dB)                     | Time-up |  |
|                 |            |         | 1               | 1               | 22.95  | 22.99   | 23.14       | 0                        | 24.0    |  |
|                 | 5          | QPSK    | Channel         |                 | 311000 | 315000  | 361000      | MPR                      | Max.    |  |
|                 |            |         | Frequency (MHz) |                 | 1555   | 1562.5  | 1592        | (dB)                     | Time-up |  |
|                 |            |         | 1               | 1               | 23.08  | 22.96   | 23.15       | 0                        | 24.0    |  |
| BW<br>(MHz)     | 10         | QPSK    | Channel         |                 | 311000 | 315000  | 361000      | MPR                      | Max.    |  |
|                 |            |         | Frequency (MHz) |                 | 1562.5 | 1562.5  | 1592.5      | (dB)                     | Time-up |  |
|                 |            |         | 1               | 1               | 23.10  | 22.98   | 23.05       | 0                        | 24.0    |  |

| n30 (SCS 15kHz) |                 |         |           |                 |        |       |             |                          |      |  |
|-----------------|-----------------|---------|-----------|-----------------|--------|-------|-------------|--------------------------|------|--|
| BW<br>(MHz)     | DFT-s-OFDM      | RB Size | RB Offset | Low             | Mid    | High  | MPR<br>(dB) | Max.<br>Turn-up<br>(dBm) |      |  |
|                 |                 | Channel |           | Frequency (MHz) |        |       |             |                          |      |  |
| 10              | PUSC            | 1       | 1         | 46200           | 2310   |       | 0           | 22.0                     |      |  |
|                 |                 | 1       | 26        | 21.18           | 21.09  | 0     | 22.0        |                          |      |  |
|                 |                 | 1       | 50        | 21.09           | 21.09  | 0     | 22.0        |                          |      |  |
|                 |                 | 25      | 0         | 20.74           |        | 0.5   | 21.5        |                          |      |  |
|                 |                 | 25      | 14        | 21.22           |        | 0     | 22.0        |                          |      |  |
|                 |                 | 25      | 27        | 20.64           |        | 0.5   | 21.5        |                          |      |  |
|                 |                 | 50      | 0         | 20.74           |        | 0.5   | 21.5        |                          |      |  |
|                 |                 | 1       | 1         | 21.26           |        | 0     | 22.0        |                          |      |  |
|                 |                 | 1       | 26        | 21.22           |        | 0     | 22.0        |                          |      |  |
|                 |                 | 1       | 50        | 21.24           |        | 0     | 22.0        |                          |      |  |
|                 | 25              | 14      | 21.29     |                 | 0      | 22.0  |             |                          |      |  |
|                 | 25              | 27      | 20.36     |                 | 1      | 21.0  |             |                          |      |  |
|                 | 50              | 0       | 20.22     |                 | 1      | 21.0  |             |                          |      |  |
|                 | 16QAM           | 1       | 1         | 20.14           |        | 1     | 21.0        |                          |      |  |
|                 | 64QAM           | 1       | 1         | 18.78           |        | 2.5   | 19.5        |                          |      |  |
|                 | 256QAM          | 1       | 1         | 16.63           |        | 4.5   | 17.5        |                          |      |  |
|                 | Channel         |         | 461500    | 462000          | 462000 | MPR   | Max.        |                          |      |  |
|                 | Frequency (MHz) |         | 2307.5    | 2310            | 2312.5 | (dB)  | Turn-up     |                          |      |  |
|                 | 5               | QPSK    | 1         | 1               | 21.06  | 21.16 | 21.21       | 0                        | 22.0 |  |



| n58 (SCS 30MHz) |            |            |                 |                 |       |       |             |                          |                          |       |
|-----------------|------------|------------|-----------------|-----------------|-------|-------|-------------|--------------------------|--------------------------|-------|
| BW<br>(MHz)     | DFT-s-OFDM | RB Size    | RB Offset       |                 | Low   | Mid   | High        | MPR<br>(RB)              | Max.<br>Tune-up<br>(dBm) |       |
|                 |            |            | Channel         | Frequency (MHz) |       |       |             |                          |                          |       |
| 20              | P-V2 BPSK  |            | 1               | 1               | 22.88 | 22.80 | 22.96       | 0                        | 24.0                     |       |
|                 |            |            |                 | 25              | 26    | 22.78 | 22.83       | 22.77                    | 0                        | 24.0  |
|                 |            |            |                 | 1               | 49    | 22.87 | 22.82       | 22.78                    | 0                        | 24.0  |
|                 |            |            |                 | 25              | 0     | 22.83 | 22.73       | 22.93                    | 0                        | 24.0  |
|                 |            |            |                 | 25              | 13    | 22.78 | 22.86       | 22.95                    | 0                        | 24.0  |
|                 |            |            |                 | 25              | 26    | 22.77 | 22.74       | 22.75                    | 0                        | 24.0  |
|                 |            |            |                 | 50              | 0     | 22.73 | 22.82       | 22.91                    | 0                        | 24.0  |
|                 |            |            |                 | 1               | 1     | 22.90 | 22.84       | 23.02                    | 0                        | 24.0  |
|                 |            |            |                 | 1               | 26    | 22.82 | 22.83       | 22.90                    | 0                        | 24.0  |
|                 |            |            |                 | QPSK            |       | 1     | 49          | 22.88                    | 22.92                    | 22.90 |
|                 | 25         | 0          | 22.76           |                 |       |       | 22.83       | 22.97                    | 0                        | 24.0  |
|                 | 25         | 13         | 22.87           |                 |       |       | 22.92       | 23.00                    | 0                        | 24.0  |
|                 | 25         | 26         | 22.85           |                 |       |       | 22.79       | 22.92                    | 0                        | 24.0  |
|                 | 50         | 0          | 22.84           |                 |       |       | 22.90       | 22.96                    | 0                        | 24.0  |
|                 | 16QAM      |            | 1               | 1               | 22.83 | 22.90 | 23.00       | 0                        | 24.0                     |       |
| 1               |            |            |                 | 1               | 21.29 | 21.36 | 21.43       | 1.5                      | 22.5                     |       |
| 64QAM           |            | 1          | 1               | 15.11           | 19.35 | 19.42 | 1.5         | 22.5                     |                          |       |
|                 |            |            | 1               | 1               | 15.11 | 19.35 | 19.42       | 1.5                      | 22.5                     |       |
| BW<br>(MHz)     | DFT-s-OFDM | Channel    | Frequency (MHz) | 51800           | 51900 | 52000 | MPR<br>(RB) | Max.<br>Tune-up<br>(dBm) |                          |       |
|                 |            |            |                 | 1               | 1     | 22.79 | 22.73       | 22.97                    | 0                        | 24.0  |
|                 |            |            |                 | 1               | 1     | 22.79 | 22.73       | 22.97                    | 0                        | 24.0  |
| 15              | QPSK       | DFT-s-OFDM | Channel         | 51800           | 51900 | 52000 | MPR<br>(RB) | Max.<br>Tune-up<br>(dBm) |                          |       |
|                 |            |            |                 | 1               | 1     | 22.79 | 22.73       | 22.97                    | 0                        | 24.0  |
|                 |            |            |                 | 1               | 1     | 22.79 | 22.73       | 22.97                    | 0                        | 24.0  |
| 10              | QPSK       | DFT-s-OFDM | Channel         | 51800           | 51900 | 52000 | MPR<br>(RB) | Max.<br>Tune-up<br>(dBm) |                          |       |
|                 |            |            |                 | 1               | 1     | 22.79 | 22.73       | 22.97                    | 0                        | 24.0  |
|                 |            |            |                 | 1               | 1     | 22.89 | 22.77       | 22.85                    | 0                        | 24.0  |

| n41 (SCS 30MHz) |            |                 |                 |       |       |       |       |             |                         |       |
|-----------------|------------|-----------------|-----------------|-------|-------|-------|-------|-------------|-------------------------|-------|
| BW<br>(MHz)     | DFT-s-OFDM | RB Size         | RB Offset       |       | Low   | Mid   | High  | MPR<br>(RB) | Max.<br>Tune-up<br>(dB) |       |
|                 |            |                 | Channel         |       |       |       |       |             |                         |       |
| 20              | P-V2 BPSK  | Frequency (MHz) |                 | 50402 | 51808 | 53088 | 28780 | 0           | 24.0                    |       |
|                 |            | 1               |                 | 23.12 | 23.17 | 23.15 | 0     | 24.0        |                         |       |
|                 |            | 1               |                 | 26    | 23.10 | 23.18 | 23.09 | 0           | 24.0                    |       |
|                 |            | 1               |                 | 49    | 23.06 | 23.06 | 22.98 | 0           | 24.0                    |       |
|                 |            | 25              |                 | 0     | 23.02 | 22.95 | 22.94 | 0           | 24.0                    |       |
|                 |            | 25              |                 | 13    | 23.02 | 23.14 | 23.11 | 0           | 24.0                    |       |
|                 |            | 25              |                 | 26    | 22.86 | 23.07 | 22.91 | 0           | 24.0                    |       |
|                 |            | 50              |                 | 0     | 23.07 | 23.11 | 23.09 | 0           | 24.0                    |       |
|                 |            | 1               |                 | 1     | 23.15 | 23.20 | 23.17 | 0           | 24.0                    |       |
|                 |            | 1               |                 | 26    | 23.08 | 23.18 | 23.06 | 0           | 24.0                    |       |
|                 | 25         |                 | 0               | 23.07 | 23.06 | 22.99 | 0     | 24.0        |                         |       |
|                 | 25         |                 | 13              | 23.12 | 23.18 | 23.14 | 0     | 24.0        |                         |       |
|                 | 25         |                 | 26              | 23.00 | 23.12 | 22.90 | 0     | 24.0        |                         |       |
|                 | 50         |                 | 0               | 23.10 | 23.15 | 23.11 | 0     | 24.0        |                         |       |
|                 | 10MHz      |                 | 1               | 1     | 22.87 | 23.01 | 22.93 | 0           | 24.0                    |       |
| 60MHz           |            | 1               | 1               | 22.97 | 23.14 | 22.96 | 0     | 24.0        |                         |       |
| 20MHz           |            | 1               | 1               | 23.54 | 23.53 | 23.47 | 1.5   | 22.5        |                         |       |
| BW<br>(MHz)     | DFT-s-OFDM | Channel         | Frequency (MHz) |       | 50700 | 51808 | 53088 | 28780       | 0                       | 24.0  |
|                 |            |                 | 15              |       | QPSK  | 1     | 1     | 23.13       | 23.12                   | 23.02 |
| 15              | QPSK       | Channel         | Frequency (MHz) |       | 50653 | 51808 | 53088 | 28688       | 0                       | 24.0  |
|                 |            |                 | 15              |       | QPSK  | 1     | 1     | 23.13       | 23.12                   | 23.02 |
| BW<br>(MHz)     | DFT-s-OFDM | Channel         | Frequency (MHz) |       | 50515 | 51808 | 53088 | 28688       | 0                       | 24.0  |
|                 |            |                 | 10              |       | QPSK  | 1     | 1     | 23.12       | 23.15                   | 23.13 |

| n66 (SCS 15kHz) |                 |                 |           |       |       |       |             |                          |                          |      |
|-----------------|-----------------|-----------------|-----------|-------|-------|-------|-------------|--------------------------|--------------------------|------|
| BW<br>(MHz)     | DFT-s-OFDM      | RB Size         | RB Offset | Low   | Mid   | High  | MPR<br>(dB) | Max.<br>Tune-up<br>(dBm) |                          |      |
|                 |                 | Channel         |           |       |       |       |             |                          |                          |      |
| 20              | P-V2 BPSK       | Frequency (MHz) |           | 34000 | 34760 | 35520 |             |                          |                          |      |
|                 |                 | 1               | 1         | 22.50 | 22.80 | 22.80 | 0           | 24.0                     |                          |      |
|                 |                 | 1               | 53        | 22.67 | 22.45 | 22.61 | 0           | 24.0                     |                          |      |
|                 |                 | 1               | 104       | 22.54 | 22.57 | 22.67 | 0           | 24.0                     |                          |      |
|                 |                 | 50              | 0         | 22.43 | 22.52 | 22.69 | 0           | 24.0                     |                          |      |
|                 |                 | 50              | 28        | 22.58 | 22.70 | 22.84 | 0           | 24.0                     |                          |      |
|                 |                 | 50              | 56        | 22.53 | 22.56 | 22.65 | 0           | 24.0                     |                          |      |
|                 |                 | 100             | 0         | 22.55 | 22.62 | 22.85 | 0           | 24.0                     |                          |      |
|                 |                 | 1               | 1         | 22.79 | 22.84 | 22.96 | 0           | 24.0                     |                          |      |
|                 |                 | 1               | 53        | 22.53 | 22.57 | 22.66 | 0           | 24.0                     |                          |      |
|                 | 50              | 0               | 22.59     | 22.47 | 22.76 | 0     | 24.0        |                          |                          |      |
|                 | 50              | 28              | 22.73     | 22.80 | 22.95 | 0     | 24.0        |                          |                          |      |
|                 | 50              | 56              | 22.61     | 22.75 | 22.68 | 0     | 24.0        |                          |                          |      |
|                 | 100             | 0               | 22.71     | 22.77 | 22.82 | 0     | 24.0        |                          |                          |      |
|                 | BQAM            |                 | 1         | 1     | 22.72 | 22.66 | 22.71       | 0                        | 24.0                     |      |
| BQAM            |                 | 1               | 1         | 21.45 | 21.37 | 21.41 | 1.5         | 22.5                     |                          |      |
| BW<br>(MHz)     |                 | Channel         | 34000     | 34760 | 35520 |       | 0           | 24.0                     |                          |      |
| DFT-s-OFDM      | Frequency (MHz) |                 | 1         | 1     | 22.72 | 22.66 | 22.73       | 0                        | 24.0                     |      |
|                 | 15              | QPSK            | 1         | 1     | 22.75 | 22.60 | 22.65       | 0                        | 24.0                     |      |
| BW<br>(MHz)     | DFT-s-OFDM      | Channel         |           | 34000 | 34760 | 35520 |             | 0                        | 24.0                     |      |
|                 |                 | Frequency (MHz) |           | 1     | 1     | 22.75 | 22.66       | 22.73                    | 0                        | 24.0 |
| 10              | QPSK            | Frequency (MHz) |           | 1     | 1     | 22.73 | 22.80       | 22.93                    | 0                        | 24.0 |
|                 |                 | Channel         |           | 34000 | 34760 | 35520 |             | 0                        | 24.0                     |      |
| BW<br>(MHz)     | DFT-s-OFDM      | Channel         |           | 34000 | 34760 | 35520 |             | MPR<br>(dB)              | Max.<br>Tune-up<br>(dBm) |      |
|                 |                 | Frequency (MHz) |           | 1     | 1     | 22.61 | 22.76       | 22.75                    | 0                        | 24.0 |

| n71 (SCS 15kHz) |            |         |                 |                 |                 |        |        |        |             |                         |                   |
|-----------------|------------|---------|-----------------|-----------------|-----------------|--------|--------|--------|-------------|-------------------------|-------------------|
| BW<br>[MHz]     | DFT-s-OFDM | RB Size |                 | RB Offset       |                 | Low    | Mid    | High   | MPR<br>(dB) | Max.<br>Time-up<br>(dB) |                   |
|                 |            | Channel | Frequency (MHz) | Channel         | Frequency (MHz) |        |        |        |             |                         |                   |
| 20              | P-V2 BPSK  | 1       | 1               | 23.06           | 23.02           | 23.06  | 0      | 24.0   |             |                         |                   |
|                 |            | 1       | 53              | 22.77           | 23.03           | 22.78  | 0      | 24.0   |             |                         |                   |
|                 |            | 1       | 104             | 23.06           | 22.96           | 22.92  | 0      | 24.0   |             |                         |                   |
|                 |            | 50      | 0               | 22.90           | 23.06           | 23.04  | 0      | 24.0   |             |                         |                   |
|                 |            | 50      | 26              | 22.98           | 23.10           | 22.93  | 0      | 24.0   |             |                         |                   |
|                 |            | 50      | 56              | 22.92           | 22.98           | 22.82  | 0      | 24.0   |             |                         |                   |
|                 |            | 100     | 0               | 22.86           | 22.93           | 22.99  | 0      | 24.0   |             |                         |                   |
|                 |            | 1       | 1               | 23.06           | 23.18           | 23.09  | 0      | 24.0   |             |                         |                   |
|                 |            | 1       | 53              | 22.99           | 23.09           | 23.00  | 0      | 24.0   |             |                         |                   |
|                 | QPSK       | 1       | 104             | 22.96           | 23.09           | 23.00  | 0      | 24.0   |             |                         |                   |
|                 |            | 50      | 0               | 22.91           | 23.10           | 22.99  | 0      | 24.0   |             |                         |                   |
|                 |            | 50      | 26              | 23.03           | 23.13           | 23.07  | 0      | 24.0   |             |                         |                   |
|                 |            | 50      | 56              | 22.95           | 23.09           | 22.95  | 0      | 24.0   |             |                         |                   |
|                 |            | 100     | 0               | 23.02           | 23.10           | 23.02  | 0      | 24.0   |             |                         |                   |
|                 |            | 16QAM   | 1               | 1               | 22.42           | 22.51  | 22.51  | 0      | 24.0        |                         |                   |
|                 | 64QAM      | 1       | 1               | 20.94           | 20.97           | 20.87  | 1.5    | 22.5   |             |                         |                   |
|                 |            | 256QAM  | 1               | 1               | 18.30           | 18.77  | 18.68  | 3.5    | 20.5        |                         |                   |
| BW [MHz]        | DFT-s-OFDM | Channel |                 | Frequency (MHz) |                 | 134000 | 136500 | 138100 | MPR (dB)    | Max. Time-up (dB)       |                   |
|                 |            | Channel |                 | Frequency (MHz) |                 | 670    | 680.5  | 690.5  | MPR (dB)    | Max. Time-up (dB)       |                   |
|                 |            | Channel |                 | Frequency (MHz) |                 | 670    | 680.5  | 690.5  | MPR (dB)    | Max. Time-up (dB)       |                   |
|                 | 15         | QPSK    | 1               | 1               | 22.56           | 22.59  | 22.57  | 0      | 24.0        |                         |                   |
|                 |            |         | Channel         |                 | Frequency (MHz) |        | 134000 | 136500 | 138100      | MPR (dB)                | Max. Time-up (dB) |
|                 |            |         | Channel         |                 | Frequency (MHz) |        | 688    | 680.5  | 683         | 0                       | 24.0              |
| 10              | DFT-s-OFDM | 1       | 1               | 22.88           | 23.07           | 23.04  | 0      | 24.0   |             |                         |                   |
|                 |            | Channel |                 | Frequency (MHz) |                 | 134000 | 136500 | 138100 | MPR (dB)    | Max. Time-up (dB)       |                   |
|                 |            | Channel |                 | Frequency (MHz) |                 | 680.5  | 680.5  | 680.5  | 0           | 24.0                    |                   |
| 5               | QPSK       | 1       | 1               | 23.05           | 23.08           | 23.10  | 0      | 24.0   |             |                         |                   |
|                 |            | Channel |                 | Frequency (MHz) |                 | 134000 | 136500 | 138100 | MPR (dB)    | Max. Time-up (dB)       |                   |
|                 |            | Channel |                 | Frequency (MHz) |                 | 680.5  | 680.5  | 680.5  | 0           | 24.0                    |                   |

| Part270 n77 (SCS 30kHz) |            |                 |         |                 |         |         |         |         |             |                       |
|-------------------------|------------|-----------------|---------|-----------------|---------|---------|---------|---------|-------------|-----------------------|
| BW<br>[MHz]             | DFT-s-OFDM | RB Size         |         | RB Offset       |         | Low     | Mid     | High    | MPR<br>(dB) | Max. Time-up<br>(dBm) |
|                         |            | Channel         | Channel | Channel         | Channel |         |         |         |             |                       |
| 20                      | P-V2 BPSK  | Frequency (MHz) |         | Frequency (MHz) |         | 3460.02 | 3499.98 | 3542.48 |             |                       |
|                         |            | 1               | 1       | 23.11           | 23.13   | 23.00   | 0       | 24.0    |             |                       |
|                         |            | 1               | 26      | 23.01           | 23.08   | 22.98   | 0       | 24.0    |             |                       |
|                         |            | 1               | 49      | 22.94           | 23.07   | 22.92   | 0       | 24.0    |             |                       |
|                         |            | 25              | 0       | 23.00           | 23.04   | 22.90   | 0       | 24.0    |             |                       |
|                         |            | 25              | 13      | 23.07           | 23.10   | 22.95   | 0       | 24.0    |             |                       |
|                         |            | 25              | 26      | 22.99           | 23.03   | 22.92   | 0       | 24.0    |             |                       |
|                         |            | 50              | 0       | 23.03           | 23.06   | 22.92   | 0       | 24.0    |             |                       |
|                         |            | 1               | 1       | 23.14           | 23.15   | 23.02   | 0       | 24.0    |             |                       |
|                         | QPSK       | 1               | 26      | 23.10           | 23.13   | 22.97   | 0       | 24.0    |             |                       |
|                         |            | 25              | 49      | 23.08           | 23.10   | 23.00   | 0       | 24.0    |             |                       |
|                         |            | 25              | 0       | 23.07           | 23.08   | 22.94   | 0       | 24.0    |             |                       |
|                         |            | 25              | 13      | 23.12           | 23.13   | 23.00   | 0       | 24.0    |             |                       |
|                         |            | 25              | 26      | 22.94           | 23.06   | 22.96   | 0       | 24.0    |             |                       |
|                         |            | 50              | 0       | 23.08           | 23.10   | 22.97   | 0       | 24.0    |             |                       |
|                         |            | 16QAM           | 1       | 1               | 22.96   | 23.12   | 22.95   | 0       | 24.0        |                       |
|                         |            | 64QAM           | 1       | 1               | 23.03   | 23.08   | 22.98   | 0       | 24.0        |                       |
| 256QAM                  | 1          | 1               | 21.51   | 21.59           | 21.47   | 1.5     | 22.5    |         |             |                       |
| BW [MHz]                | DFT-s-OFDM | Channel         |         | Frequency (MHz) |         | 639500  | 63332   | 63008   | MPR (dB)    | Time-up (dBm)         |
|                         |            | Channel         |         | Frequency (MHz) |         | 3467.5  | 3499.98 | 3542.48 | MPR (dB)    | Time-up (dBm)         |
|                         |            | Channel         |         | Frequency (MHz) |         | 3467.5  | 3499.98 | 3542.48 | MPR (dB)    | Time-up (dBm)         |
| 15                      | QPSK       | Channel         |         | Frequency (MHz) |         | 639500  | 63332   | 63008   | MPR (dB)    | Time-up (dBm)         |
|                         |            | Channel         |         | Frequency (MHz) |         | 3467.5  | 3499.98 | 3542.48 | MPR (dB)    | Time-up (dBm)         |
|                         |            | Channel         |         | Frequency (MHz) |         | 3467.5  | 3499.98 | 3542.48 | MPR (dB)    | Time-up (dBm)         |
| 10                      | QPSK       | Channel         |         | Frequency (MHz) |         | 639500  | 63332   | 63008   | MPR (dB)    | Time-up (dBm)         |
|                         |            | Channel         |         | Frequency (MHz) |         | 3467.5  | 3499.98 | 3542.48 | MPR (dB)    | Time-up (dBm)         |
|                         |            | Channel         |         | Frequency (MHz) |         | 3467.5  | 3499.98 | 3542.48 | MPR (dB)    | Time-up (dBm)         |

| Part270 n77 (SCS 30kHz) |            |                 |           |         |        |         |             |                          |      |
|-------------------------|------------|-----------------|-----------|---------|--------|---------|-------------|--------------------------|------|
| BW<br>[MHz]             | DFT-s-OFDM | RB Size         | RB Offset | Low     | Mid    | High    | MPR<br>(dB) | Max.<br>Time-up<br>(dBm) |      |
|                         |            | Channel         | Channel   | 647180  | 647180 | 64602   |             |                          |      |
| 20                      | P-V2 BPSK  | Frequency (MHz) |           | 3707.52 | 3840   | 3969.96 |             |                          |      |
|                         |            | 1               | 1         | 22.83   | 23.03  | 22.75   | 0           | 24.0                     |      |
|                         |            | 1               | 26        | 22.65   | 23.00  | 22.64   | 0           | 24.0                     |      |
|                         |            | 1               | 49        | 22.80   | 22.80  | 22.53   | 0           | 24.0                     |      |
|                         |            | 25              | 0         | 22.62   | 22.96  | 22.56   | 0           | 24.0                     |      |
|                         |            | 25              | 13        | 22.80   | 23.01  | 22.72   | 0           | 24.0                     |      |
|                         |            | 25              | 26        | 22.64   | 22.83  | 22.68   | 0           | 24.0                     |      |
|                         |            | 50              | 0         | 22.78   | 22.98  | 22.70   | 0           | 24.0                     |      |
|                         |            | 1               | 1         | 22.85   | 23.06  | 22.78   | 0           | 24.0                     |      |
|                         | QPSK       | 1               | 26        | 22.76   | 23.03  | 22.74   | 0           | 24.0                     |      |
|                         |            | 1               | 49        | 22.83   | 22.95  | 22.65   | 0           | 24.0                     |      |
|                         |            | 25              | 0         | 22.75   | 22.96  | 22.69   | 0           | 24.0                     |      |
|                         |            | 25              | 13        | 22.82   | 23.04  | 22.75   | 0           | 24.0                     |      |
|                         |            | 25              | 26        | 22.76   | 22.96  | 22.72   | 0           | 24.0                     |      |
|                         |            | 50              | 0         | 22.80   | 23.02  | 22.72   | 0           | 24.0                     |      |
|                         |            | 16QAM           | 1         | 1       | 22.76  | 22.93   | 22.79       | 0                        | 24.0 |
|                         |            | 64QAM           | 1         | 1       | 22.76  | 23.01   | 22.74       | 0                        | 24.0 |
| BW [MHz]                | DFT-s-OFDM | Channel         |           | 647180  | 647180 | 64602   | MPR (dB)    | Time-up (dBm)            |      |
|                         |            | Frequency (MHz) |           | 3707.52 | 3840   | 3972.48 |             |                          |      |
|                         |            | Channel         |           | 3707.52 | 3840   | 3972.48 |             |                          |      |
| 15                      | QPSK       | Channel         |           | 3707.52 | 3840   | 3972.48 | MPR (dB)    | Time-up (dBm)            |      |
|                         |            | Frequency (MHz) |           | 3707.52 | 3840   | 3972.48 |             |                          |      |
|                         |            | Channel         |           | 3707.52 | 3840   | 3972.48 |             |                          |      |
| 10                      | QPSK       | Channel         |           | 3707.52 | 3840   | 3972.48 | MPR (dB)    | Time-up (dBm)            |      |
|                         |            | Frequency (MHz) |           | 3707.52 | 3840   | 3972.48 |             |                          |      |
|                         |            | Channel         |           | 3707.52 | 3840   | 3972.48 |             |                          |      |

| Part27Q, n78 (SCS 30kHz) |      |                  |           |                 |             |                 |                 |             |                 |             |             |         |      |
|--------------------------|------|------------------|-----------|-----------------|-------------|-----------------|-----------------|-------------|-----------------|-------------|-------------|---------|------|
| BW<br>[MHz]              | OFDM | RB Size<br>[MHz] | RB Offset | Channel         |             | Low             |                 | High        |                 |             |             |         |      |
|                          |      |                  |           | Frequency (MHz) | Power (dBm) | Frequency (MHz) | Power (dBm)     |             |                 |             |             |         |      |
| 20                       | PUSC | 1                | 1         | 630668          | 3460.02     | 633332          | 3469.98         | 0           | 24.0            |             |             |         |      |
|                          |      |                  |           | 1               | 1           | 23.09           | 23.12           | 23.09       | 23.12           |             |             |         |      |
|                          |      |                  |           | 1               | 25          | 22.90           | 23.05           | 22.87       | 0               | 24.0        |             |         |      |
|                          |      |                  |           | 1               | 49          | 22.78           | 22.92           | 22.98       | 0               | 24.0        |             |         |      |
|                          |      |                  |           | 1               | 25          | 0               | 22.89           | 22.94       | 0               | 24.0        |             |         |      |
|                          |      |                  |           | 1               | 25          | 13              | 23.06           | 23.10       | 22.98           | 0           | 24.0        |         |      |
|                          |      |                  |           | 1               | 25          | 26              | 22.83           | 22.92       | 22.80           | 0           | 24.0        |         |      |
|                          |      |                  |           | 1               | 50          | 23.03           | 23.08           | 22.99       | 0               | 24.0        |             |         |      |
|                          |      |                  |           | 1               | 1           | 23.12           | 23.14           | 23.03       | 0               | 24.0        |             |         |      |
|                          |      |                  |           | 1               | 1           | 26              | 23.10           | 23.09       | 23.01           | 0           | 24.0        |         |      |
|                          | QPSK | 1                | 1         | 49              | 22.98       | 23.11           | 23.00           | 0           | 24.0            |             |             |         |      |
|                          |      |                  |           | 25              | 0           | 23.09           | 23.12           | 0           | 24.0            |             |             |         |      |
|                          |      |                  |           | 25              | 13          | 23.10           | 23.12           | 22.98       | 0               | 24.0        |             |         |      |
|                          |      |                  |           | 25              | 26          | 23.02           | 23.07           | 22.95       | 0               | 24.0        |             |         |      |
|                          |      |                  |           | 50              | 23.03       | 23.07           | 22.97           | 0           | 24.0            |             |             |         |      |
|                          |      |                  |           | 150MHz          | 1           | 1               | 22.99           | 23.06       | 22.90           | 0           | 24.0        |         |      |
|                          |      |                  |           | 60MHz           | 1           | 1               | 23.10           | 23.04       | 22.83           | 0           | 24.0        |         |      |
|                          |      |                  |           | 60MHz           | 1           | 1               | 23.12           | 23.11       | 23.05           | 1.5         | 22.5        |         |      |
|                          |      |                  |           | PUSC            | 1           | 1               | Channel         |             | 630668          |             | 633332      | 0       | 24.0 |
|                          |      |                  |           |                 |             |                 | Frequency (MHz) | Power (dBm) | Frequency (MHz) | Power (dBm) | Power (dBm) | Tune-up |      |
| 15                       | QPSK | 1                | 1         | Channel         |             | 630668          |                 | 633332      | 0               | 24.0        |             |         |      |
|                          |      |                  |           | Frequency (MHz) | Power (dBm) | Frequency (MHz) | Power (dBm)     | Power (dBm) | Tune-up         |             |             |         |      |
| 10                       | QPSK | 1                | 1         | Channel         |             | 630668          |                 | 633332      | 0               | 24.0        |             |         |      |
|                          |      |                  |           | Frequency (MHz) | Power (dBm) | Frequency (MHz) | Power (dBm)     | Power (dBm) | Tune-up         |             |             |         |      |



<Sensor on Power For LTE Mode>

| LTE Band 2 |            |                            |           |        |        |        |                          |                           |    |  |
|------------|------------|----------------------------|-----------|--------|--------|--------|--------------------------|---------------------------|----|--|
| BW (MHz)   | Modulation | Channel<br>Frequency (MHz) | RB Offset | Low    | Mid    | High   | SC-FDMA<br>NPRF<br>(MHz) | Max. Turn-on<br>Time (ms) |    |  |
|            |            |                            |           | 1875.0 | 1880.0 | 1910.0 |                          |                           |    |  |
| 20         | QPSK       | 1                          | 0         | 17.77  | 17.73  | 17.69  | 0                        | 13                        |    |  |
|            |            | 1                          | 50        | 17.77  | 17.73  | 17.69  | 0                        | 13                        |    |  |
|            |            | 1                          | 99        | 17.77  | 17.64  | 17.42  | 0                        | 13                        |    |  |
|            |            | 50                         | 0         | 16.63  | 16.79  | 16.68  | 1                        | 13                        |    |  |
|            |            | 50                         | 25        | 16.67  | 16.69  | 16.78  | 1                        | 13                        |    |  |
|            | 16QAM      | 1                          | 0         | 16.62  | 16.76  | 16.71  | 1                        | 13                        |    |  |
|            |            | 1                          | 50        | 16.76  | 16.81  | 16.78  | 1                        | 13                        |    |  |
|            |            | 1                          | 99        | 16.80  | 16.64  | 16.62  | 1                        | 13                        |    |  |
|            |            | 50                         | 0         | 15.49  | 15.58  | 15.58  | 2                        | 17                        |    |  |
|            |            | 50                         | 25        | 15.58  | 15.56  | 15.43  | 2                        | 17                        |    |  |
| 20         | 16QAM      | 50                         | 50        | 15.68  | 15.56  | 15.51  | 2                        | 17                        |    |  |
|            |            | 100                        | 0         | 15.47  | 15.59  | 15.59  | 2                        | 17                        |    |  |
|            |            | 1                          | 0         | 15.72  | 15.79  | 15.79  | 2                        | 17                        |    |  |
|            |            | 1                          | 99        | 15.76  | 15.74  | 15.94  | 2                        | 17                        |    |  |
|            |            | 50                         | 0         | 14.55  | 14.72  | 14.58  | 3                        | 16                        |    |  |
|            | 64QAM      | 50                         | 25        | 14.62  | 14.77  | 14.53  | 3                        | 16                        |    |  |
|            |            | 100                        | 0         | 14.58  | 14.59  | 14.65  | 3                        | 16                        |    |  |
|            |            | 1                          | 0         | 13.45  | 13.52  | 13.65  | 3                        | 16                        |    |  |
|            |            | 1                          | 50        | 12.54  | 12.54  | 12.65  | 5                        | 14                        |    |  |
|            |            | 1                          | 99        | 12.57  | 12.57  | 12.72  | 5                        | 14                        |    |  |
| 20         | 256QAM     | 50                         | 0         | 12.58  | 12.53  | 12.70  | 5                        | 14                        |    |  |
|            |            | 50                         | 25        | 12.74  | 12.68  | 12.95  | 5                        | 14                        |    |  |
|            |            | 50                         | 50        | 12.63  | 12.50  | 12.98  | 5                        | 14                        |    |  |
|            |            | 100                        | 0         | 12.55  | 12.78  | 12.53  | 5                        | 14                        |    |  |
|            |            | 1                          | 0         | 12.54  | 12.54  | 12.65  | 5                        | 14                        |    |  |
|            | 20         | QPSK                       | 1         | 37     | 17.67  | 17.73  | 17.58                    | 0                         | 13 |  |
|            |            |                            | 1         | 74     | 17.67  | 17.73  | 17.43                    | 0                         | 13 |  |
|            |            |                            | 38        | 19     | 16.53  | 16.80  | 16.67                    | 1                         | 13 |  |
|            |            |                            | 38        | 38     | 16.53  | 16.38  | 16.40                    | 1                         | 13 |  |
|            |            |                            | 38        | 0      | 16.75  | 16.67  | 16.52                    | 1                         | 13 |  |
| 16QAM      |            | 1                          | 0         | 16.73  | 16.72  | 16.74  | 1                        | 13                        |    |  |
|            |            | 1                          | 37        | 16.50  | 16.60  | 16.63  | 1                        | 13                        |    |  |
|            |            | 1                          | 74        | 16.45  | 16.76  | 16.59  | 1                        | 13                        |    |  |
|            |            | 38                         | 39        | 15.62  | 15.49  | 15.35  | 2                        | 17                        |    |  |
|            |            | 38                         | 38        | 15.38  | 15.48  | 15.35  | 2                        | 17                        |    |  |
| 20         | 16QAM      | 1                          | 0         | 15.58  | 15.57  | 15.63  | 2                        | 17                        |    |  |
|            |            | 1                          | 37        | 15.50  | 15.63  | 15.52  | 2                        | 17                        |    |  |
|            |            | 1                          | 74        | 15.74  | 15.74  | 15.92  | 2                        | 17                        |    |  |
|            |            | 38                         | 0         | 14.55  | 14.54  | 14.51  | 3                        | 16                        |    |  |
|            |            | 38                         | 38        | 14.48  | 14.60  | 14.45  | 3                        | 16                        |    |  |
|            | 64QAM      | 38                         | 0         | 14.55  | 14.54  | 14.51  | 3                        | 16                        |    |  |
|            |            | 38                         | 38        | 14.48  | 14.60  | 14.45  | 3                        | 16                        |    |  |
|            |            | 5                          | 0         | 14.50  | 14.58  | 14.58  | 3                        | 16                        |    |  |
|            |            | 1                          | 0         | 12.57  | 12.69  | 12.43  | 5                        | 14                        |    |  |
|            |            | 1                          | 37        | 12.58  | 12.64  | 12.53  | 5                        | 14                        |    |  |
| 20         | 256QAM     | 1                          | 37        | 12.48  | 12.44  | 12.53  | 5                        | 14                        |    |  |
|            |            | 38                         | 19        | 12.72  | 12.59  | 12.37  | 5                        | 14                        |    |  |
|            |            | 38                         | 38        | 12.46  | 12.46  | 12.46  | 5                        | 14                        |    |  |
|            |            | 38                         | 38        | 12.46  | 12.24  | 12.37  | 5                        | 14                        |    |  |
|            |            | 72                         | 0         | 12.53  | 12.76  | 12.54  | 5                        | 14                        |    |  |
|            | 20         | QPSK                       | 1         | 0      | 17.85  | 17.87  | 17.52                    | 0                         | 13 |  |
|            |            |                            | 1         | 37     | 17.75  | 17.74  | 17.64                    | 0                         | 13 |  |
|            |            |                            | 1         | 40     | 17.70  | 17.65  | 17.36                    | 0                         | 13 |  |
|            |            |                            | 25        | 0      | 16.49  | 16.76  | 16.52                    | 1                         | 13 |  |
|            |            |                            | 25        | 12     | 16.77  | 16.76  | 16.59                    | 1                         | 13 |  |
| 16QAM      |            | 25                         | 0         | 16.63  | 16.38  | 16.40  | 1                        | 13                        |    |  |
|            |            | 25                         | 0         | 16.63  | 16.67  | 16.68  | 1                        | 13                        |    |  |
|            |            | 1                          | 24        | 16.67  | 16.69  | 16.78  | 1                        | 13                        |    |  |
|            |            | 1                          | 40        | 16.63  | 16.65  | 16.62  | 1                        | 13                        |    |  |
|            |            | 25                         | 12        | 15.57  | 15.59  | 15.61  | 2                        | 17                        |    |  |
| 20         | 16QAM      | 25                         | 12        | 15.50  | 15.50  | 15.48  | 2                        | 17                        |    |  |
|            |            | 50                         | 0         | 15.39  | 15.43  | 15.60  | 2                        | 17                        |    |  |
|            |            | 1                          | 0         | 14.54  | 14.58  | 14.56  | 2                        | 17                        |    |  |
|            |            | 1                          | 24        | 15.55  | 15.05  | 15.56  | 2                        | 17                        |    |  |
|            |            | 1                          | 49        | 15.70  | 15.07  | 15.78  | 2                        | 17                        |    |  |
|            | 64QAM      | 25                         | 0         | 14.56  | 14.73  | 14.51  | 3                        | 16                        |    |  |
|            |            | 25                         | 12        | 14.53  | 14.48  | 14.47  | 3                        | 16                        |    |  |
|            |            | 50                         | 0         | 14.42  | 14.42  | 14.42  | 3                        | 16                        |    |  |
|            |            | 50                         | 0         | 13.37  | 14.55  | 14.55  | 3                        | 16                        |    |  |
|            |            | 1                          | 0         | 12.27  | 12.66  | 12.42  | 5                        | 14                        |    |  |
| 20         | 256QAM     | 1                          | 0         | 12.27  | 12.66  | 12.42  | 5                        | 14                        |    |  |
|            |            | 1                          | 24        | 12.55  | 12.34  | 12.40  | 5                        | 14                        |    |  |
|            |            | 1                          | 40        | 12.42  | 12.37  | 12.60  | 5                        | 14                        |    |  |
|            |            | 25                         | 0         | 12.42  | 12.42  | 12.59  | 5                        | 14                        |    |  |
|            |            | 25                         | 12        | 12.38  | 12.38  | 12.45  | 5                        | 14                        |    |  |
|            | 20         | QPSK                       | 25        | 12     | 12.58  | 12.58  | 12.45                    | 5                         | 14 |  |
|            |            |                            | 25        | 25     | 12.53  | 12.47  | 12.48                    | 5                         | 14 |  |
|            |            |                            | 50        | 0      | 12.53  | 12.76  | 12.56                    | 5                         | 14 |  |
|            |            |                            | 1         | 0      | 12.53  | 12.66  | 12.42                    | 5                         | 14 |  |
|            |            |                            | 1         | 24     | 12.55  | 12.34  | 12.40                    | 5                         | 14 |  |
| 20         | QPSK       | 1                          | 0         | 17.62  | 17.61  | 17.59  | 0                        | 13                        |    |  |
|            |            | 1                          | 37        | 17.62  | 17.61  | 17.59  | 0                        | 13                        |    |  |
|            |            | 1                          | 37        | 17.62  | 17.61  | 17.59  | 0                        | 13                        |    |  |
|            |            | 1                          | 37        | 17.62  | 17.61  | 17.59  | 0                        | 13                        |    |  |
|            |            | 1                          | 37        | 17.62  | 17.61  | 17.59  | 0                        | 13                        |    |  |
|            | 16QAM      | 1                          | 0         | 16.67  | 16.53  | 16.60  | 1                        | 13                        |    |  |
|            |            | 1                          | 0         | 16.57  | 16.60  | 16.58  | 1                        | 13                        |    |  |
|            |            | 1                          | 0         | 16.51  | 16.65  | 16.73  | 1                        | 13                        |    |  |
|            |            | 1                          | 14        | 16.47  | 16.68  | 16.44  | 1                        | 13                        |    |  |
|            |            | 1                          | 0         | 15.51  | 15.52  | 15.57  | 2                        | 17                        |    |  |
| 20         | 16QAM      | 1                          | 0         | 15.52  | 15.50  | 15.54  | 2                        | 17                        |    |  |
|            |            | 1                          | 0         | 15.52  | 15.55  | 15.39  | 2                        | 17                        |    |  |
|            |            | 1                          | 0         | 15.40  | 15.38  | 15.48  | 2                        | 17                        |    |  |
|            |            | 1                          | 0         | 15.62  | 15.63  | 15.75  | 2                        | 17                        |    |  |
|            |            | 1                          | 0         | 15.51  | 15.69  | 15.71  | 2                        | 17                        |    |  |
|            | 64QAM      | 1                          | 14        | 15.56  | 15.75  | 15.77  | 2                        | 17                        |    |  |
|            |            | 1                          | 14        | 15.56  | 15.75  | 15.77  | 2                        | 17                        |    |  |
|            |            | 1                          | 0         | 14.49  | 14.68  | 14.48  | 3                        | 16                        |    |  |
|            |            | 1                          | 0         | 14.64  | 14.63  | 14.53  | 3                        | 16                        |    |  |
|            |            | 1                          | 0         | 14.43  | 14.78  | 14.37  | 3                        | 16                        |    |  |
| 20         | 256QAM     | 1                          | 0         | 14.56  | 14.47  | 14.47  | 3                        | 16                        |    |  |
|            |            | 1                          | 0         | 13.25  | 12.44  | 12.42  | 5                        | 14                        |    |  |
|            |            | 1                          | 0         | 12.46  | 12.54  | 12.63  | 5                        | 14                        |    |  |
|            |            | 1                          | 0         | 12.46  | 12.51  | 12.61  | 5                        | 14                        |    |  |
|            |            | 1                          | 0         | 12.87  | 12.59  | 12.42  | 5                        | 14                        |    |  |
|            | 20         | QPSK                       | 1         | 0      | 17.44  | 17.44  | 17.38                    | 0                         | 13 |  |
|            |            |                            | 1         | 0      | 17.47  | 17.72  | 17.39                    | 0                         | 13 |  |
|            |            |                            | 1         | 0      | 17.72  | 17.63  | 17.71                    | 0                         | 13 |  |
|            |            |                            | 1         | 2      | 17.69  | 17.68  | 17.65                    | 0                         | 13 |  |
|            |            |                            | 1         | 5      | 17.72  | 17.68  | 17.24                    | 0                         | 13 |  |
| 20         | QPSK       | 1                          | 0         | 17.51  | 17.70  | 17.66  | 0                        | 13                        |    |  |
|            |            | 1                          | 0         | 17.61  | 17.64  | 17.78  | 0                        | 13                        |    |  |
|            |            | 1                          | 3         | 17.49  | 17.42  | 17.44  | 0                        | 13                        |    |  |
|            |            | 1                          | 3         | 17.51  | 17.48  | 17.48  | 0                        | 13                        |    |  |
|            |            | 1                          | 3         | 17.50  | 17.40  | 17.57  | 1                        | 13                        |    |  |
|            | 16QAM      | 1                          | 0         | 16.67  | 16.53  | 16.60  | 1                        | 13                        |    |  |
|            |            | 1                          | 0         | 16.57  | 16.60  | 16.57  | 1                        | 13                        |    |  |
|            |            | 1                          | 0         | 16.55  | 16.65  | 16.73  | 1                        | 13                        |    |  |
|            |            | 1                          | 14        | 16.47  | 16.68  | 16.44  | 1                        | 13                        |    |  |
|            |            | 1                          | 0         | 15.52  | 15.49  | 15.59  | 2                        | 17                        |    |  |
| 20         | 16QAM      | 1                          | 0         | 15.48  | 15.57  | 15.48  | 2                        | 17                        |    |  |
|            |            | 1                          | 0         | 15.42  | 15.48  | 15.48  | 2                        | 17                        |    |  |
|            |            | 1                          | 0         | 15.41  | 15.41  | 15.54  | 3                        | 16                        |    |  |
|            |            | 1                          | 0         | 15.23  | 15.26  | 15.39  | 5                        | 14                        |    |  |
|            |            | 1                          | 0         | 15.23  | 15.26  | 15.39  | 5                        | 14                        |    |  |
|            | 20         | 256QAM                     | 1         | 0      | 12.47  | 12.51  | 12.61                    | 5                         | 14 |  |
|            |            |                            | 1         | 0      | 12.47  | 12.51  | 12.61                    | 5                         | 14 |  |
|            |            |                            | 1         | 0      | 12.87  | 12.59  | 12.42                    | 5                         | 14 |  |
|            |            |                            | 1         | 0      | 12.47  | 12.59  | 12.42                    | 5                         | 14 |  |
|            |            |                            | 1         | 0      | 12.47  | 12.59  | 12.42                    | 5                         | 14 |  |

| LTE Band 7 |                         |                         |           |       |       |       |               |                    |               |               |  |
|------------|-------------------------|-------------------------|-----------|-------|-------|-------|---------------|--------------------|---------------|---------------|--|
| BWP (MHz)  | Modulation              | RB Size                 | RB Offset | Low   | Mid   | High  | SC-FDMA (MHz) | Max. Time-up (MHz) |               |               |  |
|            |                         | Channel Frequency (MHz) | 2000      | 2100  | 2150  | 2200  |               |                    | SPS (MHz)     | Time-up (MHz) |  |
| I          | QPSK                    | 1                       | 0         | 14.75 | 14.81 | 14.76 | 0             | 15                 | 1             | 0             |  |
|            |                         | 1                       | 50        | 14.64 | 14.75 | 14.72 | 0             | 15                 | 1             | 50            |  |
|            |                         | 1                       | 50        | 14.69 | 14.74 | 14.71 | 0             | 15                 | 1             | 50            |  |
|            |                         | 50                      | 0         | 15.08 | 15.10 | 15.12 | 1             | 15                 | 50            | 0             |  |
|            |                         | 50                      | 25        | 15.73 | 15.80 | 15.75 | 1             | 15                 | 50            | 25            |  |
|            | 16QAM                   | 50                      | 50        | 15.61 | 15.63 | 15.65 | 1             | 15                 | 50            | 50            |  |
|            |                         | 50                      | 0         | 15.74 | 15.75 | 15.76 | 1             | 15                 | 50            | 0             |  |
|            |                         | 50                      | 25        | 16.03 | 16.02 | 16.09 | 2             | 14                 | 50            | 25            |  |
|            |                         | 50                      | 50        | 15.71 | 15.71 | 15.63 | 2             | 14                 | 50            | 50            |  |
|            |                         | 50                      | 0         | 16.00 | 16.72 | 16.77 | 2             | 14                 | 50            | 0             |  |
| II         | QPSK                    | 1                       | 0         | 16.72 | 16.80 | 16.73 | 0             | 15                 | 1             | 0             |  |
|            |                         | 1                       | 90        | 16.77 | 16.73 | 16.84 | 0             | 15                 | 1             | 90            |  |
|            |                         | 50                      | 0         | 16.70 | 16.72 | 16.85 | 3             | 13                 | 50            | 0             |  |
|            |                         | 50                      | 50        | 16.75 | 16.67 | 16.78 | 3             | 13                 | 50            | 50            |  |
|            |                         | 50                      | 0         | 16.80 | 16.60 | 16.73 | 3             | 13                 | 50            | 0             |  |
|            | 16QAM                   | 1                       | 0         | 16.87 | 16.80 | 16.83 | 5             | 11                 | 1             | 0             |  |
|            |                         | 1                       | 50        | 16.84 | 16.82 | 16.77 | 5             | 11                 | 1             | 50            |  |
|            |                         | 1                       | 50        | 16.86 | 16.71 | 16.84 | 5             | 11                 | 1             | 50            |  |
|            |                         | 50                      | 0         | 16.82 | 16.80 | 16.88 | 5             | 11                 | 50            | 0             |  |
|            |                         | 50                      | 25        | 16.74 | 16.70 | 16.84 | 5             | 11                 | 50            | 25            |  |
| III        | BWP (MHz)               | Channel                 | 2000      | 2100  | 2150  | 2200  | 2250          | SPS (MHz)          | Time-up (MHz) |               |  |
|            |                         | Channel Frequency (MHz) | 2000      | 2100  | 2150  | 2200  | 2250          | SPS (MHz)          | Time-up (MHz) |               |  |
|            | QPSK                    | 1                       | 0         | 14.58 | 14.69 | 14.69 | 0             | 18                 | 1             | 0             |  |
|            |                         | 1                       | 37        | 14.53 | 14.63 | 14.60 | 0             | 18                 | 1             | 37            |  |
|            |                         | 1                       | 74        | 14.45 | 14.74 | 14.53 | 0             | 18                 | 1             | 74            |  |
|            |                         | 38                      | 0         | 15.48 | 15.61 | 15.72 | 1             | 15                 | 38            | 0             |  |
|            |                         | 38                      | 38        | 15.57 | 15.52 | 15.49 | 1             | 15                 | 38            | 38            |  |
|            | 16QAM                   | 38                      | 0         | 15.68 | 15.65 | 15.50 | 1             | 15                 | 38            | 0             |  |
|            |                         | 38                      | 38        | 15.68 | 15.78 | 15.78 | 1             | 15                 | 38            | 38            |  |
|            |                         | 1                       | 37        | 15.86 | 15.64 | 15.85 | 1             | 15                 | 1             | 37            |  |
|            |                         | 1                       | 74        | 15.60 | 15.61 | 15.52 | 1             | 15                 | 1             | 74            |  |
|            |                         | 38                      | 38        | 15.51 | 15.55 | 15.43 | 2             | 14                 | 38            | 38            |  |
| 5          | 16QAM                   | 38                      | 13        | 12.83 | 12.83 | 12.64 | 2             | 14                 | 38            | 13            |  |
|            |                         | 38                      | 70        | 12.68 | 12.61 | 12.60 | 2             | 14                 | 38            | 70            |  |
|            |                         | 70                      | 0         | 12.77 | 12.74 | 12.60 | 2             | 14                 | 70            | 0             |  |
|            |                         | 1                       | 0         | 12.56 | 12.62 | 12.73 | 2             | 14                 | 1             | 0             |  |
|            |                         | 1                       | 37        | 12.62 | 12.65 | 12.72 | 2             | 14                 | 1             | 37            |  |
|            | 64QAM                   | 1                       | 74        | 12.50 | 12.66 | 12.69 | 2             | 14                 | 1             | 74            |  |
|            |                         | 38                      | 38        | 12.52 | 12.54 | 12.54 | 2             | 14                 | 38            | 38            |  |
|            |                         | 38                      | 38        | 12.52 | 12.54 | 12.54 | 2             | 14                 | 38            | 38            |  |
|            |                         | 38                      | 38        | 12.75 | 12.67 | 12.67 | 3             | 13                 | 38            | 38            |  |
|            |                         | 38                      | 0         | 12.86 | 12.80 | 12.80 | 3             | 13                 | 38            | 0             |  |
| BWP (MHz)  | Channel                 | 2000                    | 2100      | 2150  | 2200  | 2250  | SPS (MHz)     | Time-up (MHz)      |               |               |  |
|            | Channel Frequency (MHz) | 2000                    | 2100      | 2150  | 2200  | 2250  | SPS (MHz)     | Time-up (MHz)      |               |               |  |
|            | QPSK                    | 1                       | 0         | 14.74 | 14.74 | 14.64 | 0             | 18                 | 1             | 0             |  |
|            |                         | 1                       | 37        | 14.64 | 14.73 | 14.67 | 0             | 18                 | 1             | 37            |  |
|            |                         | 1                       | 74        | 14.59 | 14.74 | 14.61 | 0             | 18                 | 1             | 74            |  |
|            |                         | 25                      | 0         | 15.69 | 15.58 | 15.64 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 12        | 15.59 | 15.70 | 15.68 | 1             | 15                 | 25            | 12            |  |
| 10         | 16QAM                   | 25                      | 25        | 15.50 | 15.60 | 15.59 | 1             | 15                 | 25            | 25            |  |
|            |                         | 25                      | 0         | 15.67 | 15.64 | 15.67 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            | 64QAM                   | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
| BWP (MHz)  | Channel                 | 2000                    | 2100      | 2150  | 2200  | 2250  | SPS (MHz)     | Time-up (MHz)      |               |               |  |
|            | Channel Frequency (MHz) | 2000                    | 2100      | 2150  | 2200  | 2250  | SPS (MHz)     | Time-up (MHz)      |               |               |  |
|            | QPSK                    | 1                       | 0         | 14.74 | 14.74 | 14.64 | 0             | 18                 | 1             | 0             |  |
|            |                         | 1                       | 37        | 14.64 | 14.73 | 14.67 | 0             | 18                 | 1             | 37            |  |
|            |                         | 1                       | 74        | 14.59 | 14.74 | 14.61 | 0             | 18                 | 1             | 74            |  |
|            |                         | 25                      | 0         | 15.69 | 15.58 | 15.64 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 12        | 15.59 | 15.70 | 15.68 | 1             | 15                 | 25            | 12            |  |
| 15         | 16QAM                   | 25                      | 25        | 15.50 | 15.60 | 15.59 | 1             | 15                 | 25            | 25            |  |
|            |                         | 25                      | 0         | 15.67 | 15.64 | 15.67 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            | 64QAM                   | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
| BWP (MHz)  | Channel                 | 2000                    | 2100      | 2150  | 2200  | 2250  | SPS (MHz)     | Time-up (MHz)      |               |               |  |
|            | Channel Frequency (MHz) | 2000                    | 2100      | 2150  | 2200  | 2250  | SPS (MHz)     | Time-up (MHz)      |               |               |  |
|            | QPSK                    | 1                       | 0         | 14.74 | 14.74 | 14.64 | 0             | 18                 | 1             | 0             |  |
|            |                         | 1                       | 37        | 14.64 | 14.73 | 14.67 | 0             | 18                 | 1             | 37            |  |
|            |                         | 1                       | 74        | 14.59 | 14.74 | 14.61 | 0             | 18                 | 1             | 74            |  |
|            |                         | 25                      | 0         | 15.69 | 15.58 | 15.64 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 12        | 15.59 | 15.70 | 15.68 | 1             | 15                 | 25            | 12            |  |
| 20         | 16QAM                   | 25                      | 25        | 15.50 | 15.60 | 15.59 | 1             | 15                 | 25            | 25            |  |
|            |                         | 25                      | 0         | 15.67 | 15.64 | 15.67 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            | 64QAM                   | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
| BWP (MHz)  | Channel                 | 2000                    | 2100      | 2150  | 2200  | 2250  | SPS (MHz)     | Time-up (MHz)      |               |               |  |
|            | Channel Frequency (MHz) | 2000                    | 2100      | 2150  | 2200  | 2250  | SPS (MHz)     | Time-up (MHz)      |               |               |  |
|            | QPSK                    | 1                       | 0         | 14.74 | 14.74 | 14.64 | 0             | 18                 | 1             | 0             |  |
|            |                         | 1                       | 37        | 14.64 | 14.73 | 14.67 | 0             | 18                 | 1             | 37            |  |
|            |                         | 1                       | 74        | 14.59 | 14.74 | 14.61 | 0             | 18                 | 1             | 74            |  |
|            |                         | 25                      | 0         | 15.69 | 15.58 | 15.64 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 12        | 15.59 | 15.70 | 15.68 | 1             | 15                 | 25            | 12            |  |
| 25         | 16QAM                   | 25                      | 25        | 15.50 | 15.60 | 15.59 | 1             | 15                 | 25            | 25            |  |
|            |                         | 25                      | 0         | 15.67 | 15.64 | 15.67 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            | 64QAM                   | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
| BWP (MHz)  | Channel                 | 2000                    | 2100      | 2150  | 2200  | 2250  | SPS (MHz)     | Time-up (MHz)      |               |               |  |
|            | Channel Frequency (MHz) | 2000                    | 2100      | 2150  | 2200  | 2250  | SPS (MHz)     | Time-up (MHz)      |               |               |  |
|            | QPSK                    | 1                       | 0         | 14.74 | 14.74 | 14.64 | 0             | 18                 | 1             | 0             |  |
|            |                         | 1                       | 37        | 14.64 | 14.73 | 14.67 | 0             | 18                 | 1             | 37            |  |
|            |                         | 1                       | 74        | 14.59 | 14.74 | 14.61 | 0             | 18                 | 1             | 74            |  |
|            |                         | 25                      | 0         | 15.69 | 15.58 | 15.64 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 12        | 15.59 | 15.70 | 15.68 | 1             | 15                 | 25            | 12            |  |
| 30         | 16QAM                   | 25                      | 25        | 15.50 | 15.60 | 15.59 | 1             | 15                 | 25            | 25            |  |
|            |                         | 25                      | 0         | 15.67 | 15.64 | 15.67 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            | 64QAM                   | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
| BWP (MHz)  | Channel                 | 2000                    | 2100      | 2150  | 2200  | 2250  | SPS (MHz)     | Time-up (MHz)      |               |               |  |
|            | Channel Frequency (MHz) | 2000                    | 2100      | 2150  | 2200  | 2250  | SPS (MHz)     | Time-up (MHz)      |               |               |  |
|            | QPSK                    | 1                       | 0         | 14.74 | 14.74 | 14.64 | 0             | 18                 | 1             | 0             |  |
|            |                         | 1                       | 37        | 14.64 | 14.73 | 14.67 | 0             | 18                 | 1             | 37            |  |
|            |                         | 1                       | 74        | 14.59 | 14.74 | 14.61 | 0             | 18                 | 1             | 74            |  |
|            |                         | 25                      | 0         | 15.69 | 15.58 | 15.64 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 12        | 15.59 | 15.70 | 15.68 | 1             | 15                 | 25            | 12            |  |
| 35         | 16QAM                   | 25                      | 25        | 15.50 | 15.60 | 15.59 | 1             | 15                 | 25            | 25            |  |
|            |                         | 25                      | 0         | 15.67 | 15.64 | 15.67 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            | 64QAM                   | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
| BWP (MHz)  | Channel                 | 2000                    | 2100      | 2150  | 2200  | 2250  | SPS (MHz)     | Time-up (MHz)      |               |               |  |
|            | Channel Frequency (MHz) | 2000                    | 2100      | 2150  | 2200  | 2250  | SPS (MHz)     | Time-up (MHz)      |               |               |  |
|            | QPSK                    | 1                       | 0         | 14.74 | 14.74 | 14.64 | 0             | 18                 | 1             | 0             |  |
|            |                         | 1                       | 37        | 14.64 | 14.73 | 14.67 | 0             | 18                 | 1             | 37            |  |
|            |                         | 1                       | 74        | 14.59 | 14.74 | 14.61 | 0             | 18                 | 1             | 74            |  |
|            |                         | 25                      | 0         | 15.69 | 15.58 | 15.64 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 12        | 15.59 | 15.70 | 15.68 | 1             | 15                 | 25            | 12            |  |
| 40         | 16QAM                   | 25                      | 25        | 15.50 | 15.60 | 15.59 | 1             | 15                 | 25            | 25            |  |
|            |                         | 25                      | 0         | 15.67 | 15.64 | 15.67 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            | 64QAM                   | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 0         | 15.82 | 15.84 | 15.89 | 1             | 15                 | 25            | 0             |  |
| BWP (MHz)  | Channel                 | 2000                    | 2100      | 2150  | 2200  | 2250  | SPS (MHz)     | Time-up (MHz)      |               |               |  |
|            | Channel Frequency (MHz) | 2000                    | 2100      | 2150  | 2200  | 2250  | SPS (MHz)     | Time-up (MHz)      |               |               |  |
|            | QPSK                    | 1                       | 0         | 14.74 | 14.74 | 14.64 | 0             | 18                 | 1             | 0             |  |
|            |                         | 1                       | 37        | 14.64 | 14.73 | 14.67 | 0             | 18                 | 1             | 37            |  |
|            |                         | 1                       | 74        | 14.59 | 14.74 | 14.61 | 0             | 18                 | 1             | 74            |  |
|            |                         | 25                      | 0         | 15.69 | 15.58 | 15.64 | 1             | 15                 | 25            | 0             |  |
|            |                         | 25                      | 12        | 15.59 | 15.70 | 15.68 | 1             | 15                 | 25            | 12            |  |
| 45         | 16QAM                   | 25                      | 25        | 15.50 | 15.60 | 15.59 |               |                    |               |               |  |

| LTE Band 14 |            |         |           |                         |                         |                         |                         |      |                    |
|-------------|------------|---------|-----------|-------------------------|-------------------------|-------------------------|-------------------------|------|--------------------|
| BWP (MHz)   | Modulation | RB Size | RB Offset | Low                     |                         | Mid                     |                         | High | Max. Time-up (min) |
|             |            |         |           | Channel Frequency (MHz) | Channel Bandwidth (MHz) | Channel Frequency (MHz) | Channel Bandwidth (MHz) |      |                    |
| 10          | QPSK       | 1       | 0         | 213.1                   | 0                       | 213.1                   | 0                       | 24   | 0                  |
|             |            | 1       | 24        | 213.17                  | 0                       | 213.17                  | 0                       | 24   | 0                  |
|             |            | 1       | 48        | 213.17                  | 0                       | 213.17                  | 0                       | 24   | 0                  |
|             |            | 25      | 0         | 213.13                  | 0                       | 213.13                  | 0                       | 24   | 0                  |
|             |            | 25      | 12        | 213.13                  | 0                       | 213.13                  | 0                       | 24   | 0                  |
|             | 16QAM      | 25      | 25        | 213.08                  | 1                       | 213.08                  | 1                       | 23   | 0                  |
|             |            | 50      | 0         | 213.03                  | 1                       | 213.03                  | 1                       | 23   | 0                  |
|             |            | 1       | 0         | 213.03                  | 1                       | 213.03                  | 1                       | 23   | 0                  |
|             |            | 1       | 24        | 213.03                  | 1                       | 213.03                  | 1                       | 23   | 0                  |
|             |            | 25      | 12        | 213.03                  | 1                       | 213.03                  | 1                       | 23   | 0                  |
| 20          | 16QAM      | 25      | 25        | 212.98                  | 2                       | 212.98                  | 2                       | 22   | 0                  |
|             |            | 50      | 0         | 212.93                  | 2                       | 212.93                  | 2                       | 22   | 0                  |
|             |            | 1       | 0         | 212.93                  | 2                       | 212.93                  | 2                       | 22   | 0                  |
|             |            | 1       | 48        | 212.93                  | 2                       | 212.93                  | 2                       | 22   | 0                  |
|             |            | 25      | 12        | 212.93                  | 2                       | 212.93                  | 2                       | 22   | 0                  |
|             | 64QAM      | 25      | 25        | 212.88                  | 3                       | 212.88                  | 3                       | 21   | 0                  |
|             |            | 50      | 0         | 212.83                  | 3                       | 212.83                  | 3                       | 21   | 0                  |
|             |            | 1       | 0         | 212.83                  | 3                       | 212.83                  | 3                       | 21   | 0                  |
|             |            | 1       | 48        | 212.83                  | 3                       | 212.83                  | 3                       | 21   | 0                  |
|             |            | 25      | 12        | 212.83                  | 3                       | 212.83                  | 3                       | 21   | 0                  |
| 30          | 256QAM     | 25      | 25        | 212.78                  | 5                       | 212.78                  | 5                       | 19   | 0                  |
|             |            | 50      | 0         | 212.73                  | 5                       | 212.73                  | 5                       | 19   | 0                  |
|             |            | 1       | 0         | 212.73                  | 5                       | 212.73                  | 5                       | 19   | 0                  |
|             |            | 1       | 24        | 212.73                  | 5                       | 212.73                  | 5                       | 19   | 0                  |
|             |            | 25      | 12        | 212.73                  | 5                       | 212.73                  | 5                       | 19   | 0                  |
| 40          | QPSK       | 1       | 0         | 212.68                  | 0                       | 212.68                  | 0                       | 24   | 0                  |
|             |            | 1       | 12        | 212.68                  | 0                       | 212.68                  | 0                       | 24   | 0                  |
|             |            | 1       | 24        | 212.68                  | 0                       | 212.68                  | 0                       | 24   | 0                  |
|             |            | 12      | 0         | 212.63                  | 0                       | 212.63                  | 0                       | 24   | 0                  |
|             |            | 12      | 12        | 212.63                  | 0                       | 212.63                  | 0                       | 24   | 0                  |
|             | 16QAM      | 12      | 12        | 212.58                  | 1                       | 212.58                  | 1                       | 23   | 0                  |
|             |            | 25      | 0         | 212.53                  | 1                       | 212.53                  | 1                       | 23   | 0                  |
|             |            | 1       | 0         | 212.53                  | 1                       | 212.53                  | 1                       | 23   | 0                  |
|             |            | 1       | 12        | 212.53                  | 1                       | 212.53                  | 1                       | 23   | 0                  |
|             |            | 12      | 12        | 212.53                  | 1                       | 212.53                  | 1                       | 23   | 0                  |
| 50          | 16QAM      | 12      | 12        | 212.48                  | 2                       | 212.48                  | 2                       | 22   | 0                  |
|             |            | 25      | 0         | 212.43                  | 2                       | 212.43                  | 2                       | 22   | 0                  |
|             |            | 1       | 0         | 212.43                  | 2                       | 212.43                  | 2                       | 22   | 0                  |
|             |            | 1       | 12        | 212.43                  | 2                       | 212.43                  | 2                       | 22   | 0                  |
|             |            | 12      | 12        | 212.43                  | 2                       | 212.43                  | 2                       | 22   | 0                  |
|             | 64QAM      | 12      | 12        | 212.38                  | 3                       | 212.38                  | 3                       | 21   | 0                  |
|             |            | 25      | 0         | 212.33                  | 3                       | 212.33                  | 3                       | 21   | 0                  |
|             |            | 1       | 0         | 212.33                  | 3                       | 212.33                  | 3                       | 21   | 0                  |
|             |            | 1       | 12        | 212.33                  | 3                       | 212.33                  | 3                       | 21   | 0                  |
|             |            | 12      | 12        | 212.33                  | 3                       | 212.33                  | 3                       | 21   | 0                  |
| 60          | 256QAM     | 12      | 12        | 212.28                  | 5                       | 212.28                  | 5                       | 19   | 0                  |
|             |            | 25      | 0         | 212.23                  | 5                       | 212.23                  | 5                       | 19   | 0                  |
|             |            | 1       | 0         | 212.23                  | 5                       | 212.23                  | 5                       | 19   | 0                  |
|             |            | 1       | 12        | 212.23                  | 5                       | 212.23                  | 5                       | 19   | 0                  |
|             |            | 12      | 12        | 212.23                  | 5                       | 212.23                  | 5                       | 19   | 0                  |
|             | QPSK       | 1       | 0         | 212.18                  | 0                       | 212.18                  | 0                       | 24   | 0                  |
|             |            | 1       | 12        | 212.18                  | 0                       | 212.18                  | 0                       | 24   | 0                  |
|             |            | 1       | 24        | 212.18                  | 0                       | 212.18                  | 0                       | 24   | 0                  |
|             |            | 12      | 0         | 212.13                  | 0                       | 212.13                  | 0                       | 24   | 0                  |
|             |            | 12      | 12        | 212.13                  | 0                       | 212.13                  | 0                       | 24   | 0                  |

| LTE Band 17 |            |         |           |                         |                         |                         |                         |      |                    |
|-------------|------------|---------|-----------|-------------------------|-------------------------|-------------------------|-------------------------|------|--------------------|
| BWP (MHz)   | Modulation | RB Size | RB Offset | Low                     |                         | Mid                     |                         | High | Max. Time-up (min) |
|             |            |         |           | Channel Frequency (MHz) | Channel Bandwidth (MHz) | Channel Frequency (MHz) | Channel Bandwidth (MHz) |      |                    |
| 10          | QPSK       | 1       | 0         | 217.6                   | 0                       | 217.6                   | 0                       | 24   | 0                  |
|             |            | 1       | 24        | 217.66                  | 0                       | 217.66                  | 0                       | 24   | 0                  |
|             |            | 1       | 48        | 217.66                  | 0                       | 217.66                  | 0                       | 24   | 0                  |
|             |            | 25      | 0         | 217.58                  | 0                       | 217.58                  | 0                       | 24   | 0                  |
|             |            | 25      | 12        | 217.58                  | 0                       | 217.58                  | 0                       | 24   | 0                  |
|             | 16QAM      | 25      | 25        | 217.53                  | 1                       | 217.53                  | 1                       | 23   | 0                  |
|             |            | 50      | 0         | 217.48                  | 1                       | 217.48                  | 1                       | 23   | 0                  |
|             |            | 1       | 0         | 217.48                  | 1                       | 217.48                  | 1                       | 23   | 0                  |
|             |            | 1       | 24        | 217.48                  | 1                       | 217.48                  | 1                       | 23   | 0                  |
|             |            | 25      | 12        | 217.48                  | 1                       | 217.48                  | 1                       | 23   | 0                  |
| 20          | 16QAM      | 25      | 25        | 217.43                  | 2                       | 217.43                  | 2                       | 22   | 0                  |
|             |            | 50      | 0         | 217.38                  | 2                       | 217.38                  | 2                       | 22   | 0                  |
|             |            | 1       | 0         | 217.38                  | 2                       | 217.38                  | 2                       | 22   | 0                  |
|             |            | 1       | 48        | 217.38                  | 2                       | 217.38                  | 2                       | 22   | 0                  |
|             |            | 25      | 12        | 217.38                  | 2                       | 217.38                  | 2                       | 22   | 0                  |
|             | 64QAM      | 25      | 25        | 217.33                  | 3                       | 217.33                  | 3                       | 21   | 0                  |
|             |            | 50      | 0         | 217.28                  | 3                       | 217.28                  | 3                       | 21   | 0                  |
|             |            | 1       | 0         | 217.28                  | 3                       | 217.28                  | 3                       | 21   | 0                  |
|             |            | 1       | 48        | 217.28                  | 3                       | 217.28                  | 3                       | 21   | 0                  |
|             |            | 25      | 12        | 217.28                  | 3                       | 217.28                  | 3                       | 21   | 0                  |
| 30          | 256QAM     | 25      | 25        | 217.23                  | 5                       | 217.23                  | 5                       | 19   | 0                  |
|             |            | 50      | 0         | 217.18                  | 5                       | 217.18                  | 5                       | 19   | 0                  |
|             |            | 1       | 0         | 217.18                  | 5                       | 217.18                  | 5                       | 19   | 0                  |
|             |            | 1       | 24        | 217.18                  | 5                       | 217.18                  | 5                       | 19   | 0                  |
|             |            | 25      | 12        | 217.18                  | 5                       | 217.18                  | 5                       | 19   | 0                  |
| 40          | QPSK       | 1       | 0         | 217.13                  | 0                       | 217.13                  | 0                       | 24   | 0                  |
|             |            | 1       | 12        | 217.13                  | 0                       | 217.13                  | 0                       | 24   | 0                  |
|             |            | 1       | 24        | 217.13                  | 0                       | 217.13                  | 0                       | 24   | 0                  |
|             |            | 12      | 0         | 217.08                  | 0                       | 217.08                  | 0                       | 24   | 0                  |
|             |            | 12      | 12        | 217.08                  | 0                       | 217.08                  | 0                       | 24   | 0                  |
|             | 16QAM      | 12      | 12        | 217.03                  | 1                       | 217.03                  | 1                       | 23   | 0                  |
|             |            | 25      | 0         | 216.98                  | 1                       | 216.98                  | 1                       | 23   | 0                  |
|             |            | 1       | 0         | 216.98                  | 1                       | 216.98                  | 1                       | 23   | 0                  |
|             |            | 1       | 12        | 216.98                  | 1                       | 216.98                  | 1                       | 23   | 0                  |
|             |            | 12      | 12        | 216.98                  | 1                       | 216.98                  | 1                       | 23   | 0                  |
| 50          | 16QAM      | 12      | 12        | 216.93                  | 2                       | 216.93                  | 2                       | 22   | 0                  |
|             |            | 25      | 0         | 216.88                  | 2                       | 216.88                  | 2                       | 22   | 0                  |
|             |            | 1       | 0         | 216.88                  | 2                       | 216.88                  | 2                       | 22   | 0                  |
|             |            | 1       | 12        | 216.88                  | 2                       | 216.88                  | 2                       | 22   | 0                  |
|             |            | 12      | 12        | 216.88                  | 2                       | 216.88                  | 2                       | 22   | 0                  |
|             | 64QAM      | 12      | 12        | 216.83                  | 3                       | 216.83                  | 3                       | 21   | 0                  |
|             |            | 25      | 0         | 216.78                  | 3                       | 216.78                  | 3                       | 21   | 0                  |
|             |            | 1       | 0         | 216.78                  | 3                       | 216.78                  | 3                       | 21   | 0                  |
|             |            | 1       | 12        | 216.78                  | 3                       | 216.78                  | 3                       | 21   | 0                  |
|             |            | 12      | 12        | 216.78                  | 3                       | 216.78                  | 3                       | 21   | 0                  |
| 60          | 256QAM     | 12      | 12        | 216.73                  | 5                       | 216.73                  | 5                       | 19   | 0                  |
|             |            | 25      | 0         | 216.68                  | 5                       | 216.68                  | 5                       | 19   | 0                  |
|             |            | 1       | 0         | 216.68                  | 5                       | 216.68                  | 5                       | 19   | 0                  |
|             |            | 1       | 12        | 216.68                  | 5                       | 216.68                  | 5                       | 19   | 0                  |
|             |            | 12      | 12        | 216.68                  | 5                       | 216.68                  | 5                       | 19   | 0                  |
|             | QPSK       | 1       | 0         | 216.63                  | 0                       | 216.63                  | 0                       | 24   | 0                  |
|             |            | 1       | 12        | 216.63                  | 0                       | 216.63                  | 0                       | 24   | 0                  |
|             |            | 1       | 24        | 216.63                  | 0                       | 216.63                  | 0                       | 24   | 0                  |
|             |            | 12      | 0         | 216.58                  | 0                       | 216.58                  | 0                       | 24   | 0                  |
|             |            | 12      | 12        | 216.58                  | 0                       | 216.58                  | 0                       | 24   | 0                  |

| LTE Band 25 |            |         |           |                         |                         |                         |                         |      |            |                    |                      |
|-------------|------------|---------|-----------|-------------------------|-------------------------|-------------------------|-------------------------|------|------------|--------------------|----------------------|
| BWP (MHz)   | Modulation | RB Size | RB Offset | Low                     |                         | Mid                     |                         | High | SPPB (MHz) | Max. Time-up (min) | Max. Time-down (min) |
|             |            |         |           | Channel Frequency (MHz) | Channel Bandwidth (MHz) | Channel Frequency (MHz) | Channel Bandwidth (MHz) |      |            |                    |                      |
| 20          | QPSK       | 1       | 0         | 177.60                  | 17.60                   | 177.60                  | 17.72                   | 0    | 10         |                    |                      |
|             |            | 1       | 24        | 177.66                  | 17.74                   | 177.62                  | 17.80                   | 0    | 10         |                    |                      |
|             |            | 1       | 48        | 177.67                  | 17.76                   | 177.62                  | 17.82                   | 0    | 10         |                    |                      |
|             |            | 25      | 0         | 177.60                  | 18.72                   | 18.67                   | 18.71                   | 1    | 18         |                    |                      |
|             |            | 25      | 12        | 177.60                  | 18.74                   | 18.73                   | 18.74                   | 1    | 18         |                    |                      |
|             | 16QAM      | 25      | 50        | 177.58                  | 18.62                   | 18.76                   | 18.76                   | 1    | 18         |                    |                      |
|             |            | 125     | 0         | 177.50                  | 18.50                   | 18.57                   | 18.59                   | 1    | 18         |                    |                      |
|             |            | 1       | 50        | 177.67                  | 18.73                   | 18.83                   | 18.81                   | 1    | 18         |                    |                      |
|             |            | 1       | 24        | 177.61                  | 18.75                   | 18.81                   | 18.85                   | 1    | 18         |                    |                      |
|             |            | 50      | 25        | 177.57                  | 18.65                   | 18.75                   | 18.75                   | 2    | 17         |                    |                      |
| 30          | 16QAM      | 25      | 50        | 177.54                  | 18.50                   | 18.55                   | 18.59                   | 1    | 18         |                    |                      |
|             |            | 1       | 50        | 177.58                  | 18.65                   | 18.72                   | 18.72                   | 2    | 17         |                    |                      |
|             |            | 1       | 24        | 177.61                  | 18.67                   | 18.73                   | 18.73                   | 2    | 17         |                    |                      |
|             |            | 50      | 25        | 177.67                  | 18.73                   | 18.83                   | 18.83                   | 3    | 16         |                    |                      |
|             |            | 50      | 50        | 177.64                  | 18.72                   | 18.82                   | 18.83                   | 3    | 16         |                    |                      |
|             | 64QAM      | 25      | 25        | 177.60                  | 18.60                   | 18.68                   | 18.68                   | 3    | 16         |                    |                      |
|             |            | 1       | 0         | 177.62                  | 18.69                   | 18.76                   | 18.76                   | 5    | 14         |                    |                      |
|             |            | 1       | 24        | 177.64                  | 18.71                   | 18.81                   | 18.81                   | 5    | 14         |                    |                      |
|             |            | 1       | 48        | 177.65                  | 18.72                   | 18.82                   | 18.82                   | 5    | 14         |                    |                      |
|             |            | 25      | 12        | 177.64                  | 18.73                   | 18.83                   | 18.83                   | 5    | 14         |                    |                      |
| 40          | 256QAM     | 1       | 0         | 177.60                  | 17.72                   | 17.72                   | 17.72                   | 0    | 10         |                    |                      |
|             |            | 1       | 24        | 177.66                  | 17.76                   | 17.76                   | 17.76                   | 0    | 10         |                    |                      |
|             |            | 1       | 48        | 177.67                  | 17.76                   | 17.76                   | 17.76                   | 0    | 10         |                    |                      |
|             |            | 25      | 0         | 177.60                  | 18.72                   | 18.67                   | 18.71                   | 1    | 18         |                    |                      |
|             |            | 25      | 12        | 177.60                  | 18.74                   | 18.73                   | 18.74                   | 1    | 18         |                    |                      |
|             | 64QAM      | 25      | 50        | 177.58                  | 18.62                   | 18.76                   | 18.76                   | 1    | 18         |                    |                      |
|             |            | 125     | 0         | 177.50                  | 18.50                   | 18.57                   | 18.59                   | 1    | 18         |                    |                      |
|             |            | 1       | 50        | 177.67                  | 18.73                   | 18.83                   | 18.81                   | 1    | 18         |                    |                      |
|             |            | 1       | 24        | 177.61                  | 18.75                   | 18.81                   | 18.85                   | 1    | 18         |                    |                      |
|             |            | 50      | 25        | 177.57                  | 18.65                   | 18.75                   | 18.75                   | 2    | 17         |                    |                      |
| 50          | QPSK       | 1       | 0         | 177.72                  | 17.72                   | 17.72                   | 17.82                   | 0    | 10         |                    |                      |
|             |            | 1       | 24        | 177.77                  | 17.76                   | 17.82                   | 17.82                   | 0    | 10         |                    |                      |
|             |            | 1       | 48        | 177.80                  | 17.81                   | 17.82                   | 17.82                   | 0    | 10         |                    |                      |
|             |            | 25      | 0         | 177.72                  | 18.67                   | 18.62                   | 18.67                   | 1    | 18         |                    |                      |
|             |            | 25      | 12        | 177.72                  | 18.69                   | 18.69                   | 18.70                   | 1    | 18         |                    |                      |
|             | 16QAM      | 25      | 50        | 177.70                  | 18.57                   | 18.62                   | 18.62                   | 1    | 18         |                    |                      |
|             |            | 125     | 0         | 177.62                  | 18.47                   | 18.54                   | 18.54                   | 1    | 18         |                    |                      |
|             |            | 1       | 48        | 177.76                  | 18.59                   | 18.61                   | 18.61                   | 1    | 18         |                    |                      |
|             |            | 25      | 25        | 177.73                  | 18.50                   | 18.53                   | 18.53                   | 2    | 17         |                    |                      |
|             |            | 25      | 50        | 177.73                  | 18.50                   | 18.53                   | 18.53                   | 2    | 17         |                    |                      |
| 60          | QPSK       | 1       | 0         | 177.84                  | 17.84                   | 17.84                   | 17.94                   | 0    | 10         |                    |                      |
|             |            | 1       | 24        | 177.87                  | 17.88                   | 17.92                   | 17.92                   | 0    | 10         |                    |                      |
|             |            | 1       | 48        | 177.88                  | 17.88                   | 17.88                   | 17.88                   | 0    | 10         |                    |                      |
|             |            | 25      | 0         | 177.84                  | 18.80                   | 18.75                   | 18.80                   | 1    | 18         |                    |                      |
|             |            | 25      | 12        | 177.84                  | 18.82                   | 18.82                   | 18.83                   | 1    | 18         |                    |                      |
|             | 16QAM      | 25      | 50        | 177.82                  | 18.70                   | 18.75                   | 18.75                   | 1    | 18         |                    |                      |
|             |            | 125     | 0         | 177.74                  | 18.60                   | 18.67                   | 18.67                   | 1    | 18         |                    |                      |
|             |            | 1       | 48        | 177.86                  | 18.78                   | 18.81                   | 18.81                   | 1    | 18         |                    |                      |
|             |            | 25      | 25        | 177.83                  | 18.70                   | 18.73                   | 18.73                   | 2    | 17         |                    |                      |
|             |            | 25      | 50        | 177.83                  | 18.70                   | 18.73                   | 18.73                   | 2    | 17         |                    |                      |
| 70          | QPSK       | 1       | 0         | 177.96                  | 17.96                   | 17.96                   | 18.06                   | 0    | 10         |                    |                      |
|             |            | 1       | 24        | 177.97                  | 17.96                   | 17.96                   | 17.96                   | 0    | 10         |                    |                      |
|             |            | 1       | 48        | 177.98                  | 17.96                   | 17.96                   | 17.96                   | 0    | 10         |                    |                      |
|             |            | 25      | 0         | 177.96                  | 18.92                   | 18.87                   | 18.92                   | 1    | 18         |                    |                      |
|             |            | 25      | 12        | 177.96                  | 18.94                   | 18.94                   | 18.95                   | 1    | 18         |                    |                      |
|             | 16QAM      | 25      | 50        | 177.94                  | 18.80                   | 18.85                   | 18.85                   | 1    | 18         |                    |                      |
|             |            | 125     | 0         | 177.86                  | 18.70                   | 18.77                   | 18.77                   | 1    | 18         |                    |                      |
|             |            | 1       | 48        | 177.96                  | 18.92                   | 18.95                   | 18.95                   | 1    | 18         |                    |                      |
|             |            | 25      | 25        | 177.93                  | 18.84                   | 18.87                   | 18.87                   | 2    | 17         |                    |                      |
|             |            | 25      | 50        | 177.93                  | 18.84                   | 18.87                   | 18.87                   | 2    | 17         |                    |                      |
| 80          | QPSK       | 1       | 0         | 178.08                  | 17.88                   | 17.88                   | 17.98                   | 0    | 10         |                    |                      |
|             |            | 1       | 24        | 178.07                  | 17.92                   | 17.92                   | 17.92                   | 0    | 10         |                    |                      |
|             |            | 1       | 48        | 178.07                  | 17.92                   | 17.92                   | 17.92                   | 0    | 10         |                    |                      |
|             |            | 25      | 0         | 178.08                  | 18.88                   | 18.83                   | 18.88                   | 1    | 18         |                    |                      |
|             |            | 25      | 12        | 178.08                  | 18.90                   | 18.90                   | 18.91                   | 1    | 18         |                    |                      |
|             | 16QAM      | 25      | 50        | 178.06                  | 18.76                   | 18.81                   | 18.81                   | 1    | 18         |                    |                      |
|             |            | 125     | 0         | 177.98                  | 18.66                   | 18.73                   | 18.73                   | 1    | 18         |                    |                      |
|             |            | 1       | 48        | 178.06                  | 18.88                   | 18.91                   | 18.91                   | 1    | 18         |                    |                      |
|             |            | 25      | 25        | 178.03                  | 18.80                   | 18.83                   | 18.83                   | 2    | 17         |                    |                      |
|             |            | 25      | 50        | 178.03                  | 18.80                   | 18.83                   | 18.83                   | 2    | 17         |                    |                      |
| 90          | QPSK       | 1       | 0         | 178.20                  | 17.88                   | 17.88                   | 17.98                   | 0    | 10         |                    |                      |
|             |            | 1       | 24        | 178.19                  | 17.92                   | 17.92                   | 17.92                   | 0    | 10         |                    |                      |
|             |            | 1       | 48        | 178.19                  | 17.92                   | 17.92                   | 17.92                   | 0    | 10         |                    |                      |
|             |            | 25      | 0         | 178.20                  | 18.92                   | 18.87                   | 18.92                   | 1    | 18         |                    |                      |
|             |            | 25      | 12        | 178.20                  | 18.94                   | 18.94                   | 18.95                   | 1    | 18         |                    |                      |
|             | 16QAM      | 25      | 50        | 178.18                  | 18.80                   | 18.85                   | 18.85                   | 1    | 18         |                    |                      |
|             |            | 125     | 0         | 178.10                  | 18.70                   | 18.77                   | 18.77                   | 1    | 18         |                    |                      |
|             |            | 1       | 48        | 178.18                  | 18.92                   | 18.95                   | 18.95                   | 1    | 18         |                    |                      |
|             |            | 25      | 25        | 178.15                  | 18.84                   | 18.87                   | 18.87                   | 2    | 17         |                    |                      |
|             |            | 25      | 50        | 178.15                  | 18.84                   | 18.87                   | 18.87                   | 2    | 17         |                    |                      |
| 100         | QPSK       | 1       | 0         | 178.32                  | 17.92                   | 17.92                   | 18.02                   | 0    | 10         |                    |                      |
|             |            | 1       | 24        | 178.31                  | 17.96                   | 17.96                   | 17.96                   | 0    | 10         |                    |                      |
|             |            | 1       | 48        | 178.31                  | 17.96                   | 17.96                   | 17.96                   | 0    | 10         |                    |                      |
|             |            | 25      | 0         | 178.32                  | 18.96                   | 18.91                   | 18.96                   | 1    | 18         |                    |                      |
|             |            | 25      | 12        | 178.32                  | 18.98                   | 18.98                   | 18.99                   | 1    | 18         |                    |                      |
|             | 16QAM      | 25      | 50        | 178.30                  | 18.84                   | 18.89                   | 18.89                   | 1    | 18         |                    |                      |
|             |            | 125     | 0         | 178.22                  | 18.74                   | 18.81                   | 18.81                   | 1    | 18         |                    |                      |
|             |            | 1       | 48        | 178.30                  | 18.96                   | 18.99                   | 18.99                   | 1    | 18         |                    |                      |
|             |            | 25      | 25        | 178.27                  | 18.88                   | 18.91                   | 18.91                   | 2    | 17         |                    |                      |
|             |            | 25      | 50        | 178.27                  | 18.88                   | 18.91                   | 18.91                   | 2    | 17         |                    |                      |
| 120         | QPSK       | 1       | 0         | 178.44                  | 17.96                   | 17.96                   | 18.06                   | 0    | 10         |                    |                      |
|             |            | 1       | 24        | 178.43                  | 18.00                   | 18.00                   | 18.00                   | 0    | 10         |                    |                      |
|             |            | 1       | 48        | 178.43                  | 18.00                   | 18.00                   | 18.00                   | 0    | 10         |                    |                      |
|             |            | 25      | 0         | 178.44                  | 19.00                   | 18.95                   | 19.00                   | 1    | 18         |                    |                      |
|             |            | 25      | 12        | 178.44                  | 19.02                   | 19.02                   | 19.03                   | 1    | 18         |                    |                      |
|             | 16QAM      | 25      | 50        | 178.42                  | 18.88                   | 18.93                   | 18.93                   | 1    | 18         |                    |                      |
|             |            | 125     | 0         | 178.34                  | 18.78                   | 18.85                   | 18.85                   | 1    | 18         |                    |                      |
|             |            | 1       | 48        | 178.42                  | 18.98                   | 19.01                   | 19.01                   | 1    | 18         |                    |                      |
|             |            | 25      | 25        | 178.39                  | 18.90                   | 18.93                   | 18.93                   | 2    | 17         |                    |                      |
|             |            | 25      | 50        | 178.39                  | 18.90                   | 18.93                   | 18.93                   | 2    | 17         |                    |                      |
| 140         | QPSK       | 1       | 0         | 178.56                  | 18.00                   | 18.00                   | 18.10                   | 0    | 10         |                    |                      |
|             |            | 1       | 24        | 178.55                  | 18.04                   | 18.04                   | 18.04                   | 0    | 10         |                    |                      |
|             |            | 1       | 48        | 178.55                  | 18.04                   | 18.04                   | 18.04                   | 0    | 10         |                    |                      |
|             |            | 25      | 0         | 178.56                  | 19.04                   | 18.99                   | 19.04                   | 1    | 18         |                    |                      |
|             |            | 25      | 12        | 178.56                  | 19.06                   | 19.06                   | 19.07                   | 1    | 18         |                    |                      |
|             | 16QAM      | 25      | 50        | 178.54                  | 18.92                   | 18.97                   | 18.97                   | 1    | 18         |                    |                      |
|             |            | 125     | 0         | 178.46                  | 18.82                   | 18.89                   | 18.89                   | 1    | 18         |                    |                      |
|             |            | 1       | 48        | 178.54                  | 18.98                   | 19.01                   | 19.01                   | 1    | 18         |                    |                      |
|             |            | 25      | 25        | 178.51                  | 18.90                   | 18.93                   | 18.93                   | 2    | 17         |                    |                      |
|             |            | 25      | 50        | 178.51                  | 18.90                   | 18.93                   | 18.93                   | 2    | 17         |                    |                      |
| 160         | QPSK       | 1       | 0         | 178.68                  | 18.04                   | 18.04                   | 18.14                   | 0    | 10         |                    |                      |
|             |            | 1       | 24        | 178.67                  | 18.08                   | 18.08                   | 18.08                   | 0    | 10         |                    |                      |
|             |            | 1       | 48        | 178.67                  | 18.08                   | 18.08                   | 18.08                   | 0    | 10         |                    |                      |
|             |            | 25      | 0         | 178.68                  | 19.08                   | 19.03                   | 19.08                   | 1    | 18         |                    |                      |
|             |            | 25      | 12        | 178.68                  | 19.10                   | 19.10                   | 19.11                   | 1    | 18         |                    |                      |
|             | 16QAM      | 25      | 50        | 178.66                  | 18.96                   | 19.01                   | 19.01                   | 1    | 18         |                    |                      |
|             |            | 125     | 0         | 178.58                  | 18.86                   | 18.93                   | 18.93                   | 1    | 18         |                    |                      |
|             |            | 1       | 48        | 178.66                  | 18.98                   | 19.01                   | 19.01                   | 1    | 18         |                    |                      |
|             |            | 25      | 25        | 178.63                  | 18.90                   | 18.93                   | 18.93                   | 2    | 17         |                    |                      |
|             |            | 25      | 50        | 178.63                  | 18.90                   | 18.93                   | 18.93                   | 2    | 17         |                    |                      |
| 180         | QPSK       | 1       | 0         | 178.80                  | 18.08                   | 18.08                   | 18.18                   | 0    | 10         |                    |                      |
|             |            | 1       | 24        | 178.79                  | 18.12                   | 18.12                   | 18.12                   | 0    | 10         |                    |                      |
|             |            | 1       | 48        | 178.79                  | 18.12                   | 18.12                   | 18.12                   | 0    | 10         |                    |                      |
|             |            | 25      | 0         | 178.80                  | 19.12                   | 19.07                   | 19.12                   | 1    | 18         |                    |                      |
|             |            | 25      | 12        | 178.80                  | 19.14                   | 19.14                   | 19.15                   | 1    | 18         |                    |                      |
|             | 16QAM      | 25      | 50        | 178.78                  | 19.00                   | 19.05                   | 19.05                   | 1    | 18         |                    |                      |
|             |            | 125     | 0         | 178.70                  | 18.90                   | 18.97                   | 18.97                   | 1    | 18         |                    |                      |
|             |            | 1       | 48        | 178.78                  | 19.02                   | 19.05                   | 19.05                   | 1    | 18         |                    |                      |
|             |            | 25      | 25        | 178.75                  | 18.94                   | 18.97                   | 18.97                   | 2    | 17         |                    |                      |
|             |            | 25      | 50        | 178.75                  | 18.94                   | 18.97                   | 18.97                   | 2    | 17         |                    |                      |
| 200         | QPSK       | 1       | 0         | 178.92                  | 18.12                   | 18.12                   | 18.22                   | 0    | 10         |                    |                      |
|             |            | 1       | 24        | 178.91                  | 18.16                   | 18.16                   | 18.16                   | 0    | 10         |                    |                      |
|             |            | 1       | 48        | 178.91                  | 18.16                   | 18.16                   | 18.16                   | 0    | 10         |                    |                      |
|             |            | 25      | 0         | 178.92                  | 19.16                   | 19.11                   | 19.16                   | 1    | 18         |                    |                      |
|             |            | 25      | 12        | 178.92                  | 19.18                   | 19.18                   | 19.19                   | 1    | 18         |                    |                      |
|             | 16QAM      | 25      | 50        | 178.90                  | 19.04                   | 19.09                   | 19.09                   | 1    | 18         |                    |                      |
|             |            | 125     | 0         | 178.82                  | 18.94                   | 19.01                   | 19.01                   | 1    | 18         |                    |                      |
|             |            | 1       | 48        | 178.90                  | 19.06                   | 19.09                   | 19.09                   | 1    | 18         |                    |                      |
|             |            | 25      | 25        | 178.87                  | 18.98                   | 19.01                   | 19.01                   | 2    | 17         |                    |                      |
|             |            | 25      | 50        | 178.87                  | 18.98                   | 19.01                   | 19.01                   | 2    | 17         |                    |                      |
| 240         | QPSK       | 1       | 0         | 179.04                  | 18.16                   | 18.16                   | 18.26                   | 0    | 10         |                    |                      |
|             |            | 1       | 24        | 179.03                  | 18.20                   | 18.20                   | 18.20                   | 0    | 10         |                    |                      |
|             |            | 1       | 48        | 179.03                  | 18.20                   | 18.20                   | 18.20                   | 0    | 10         |                    |                      |
|             |            | 25      | 0         | 179.04                  | 19.20                   | 19.15                   | 19.20                   | 1    | 18         |                    |                      |
|             |            | 25      | 12        | 179.04                  | 19.22                   | 19.22                   | 19.23                   | 1    | 18         |                    |                      |
|             | 16QAM      | 25      | 50        | 179.02                  | 19.08                   | 19.13                   | 19.13                   | 1    | 18         |                    |                      |
|             |            | 125     | 0         | 178.94                  | 18.98                   | 19.05                   | 19.05                   | 1    | 18         |                    |                      |
|             |            | 1       | 48        |                         |                         |                         |                         |      |            |                    |                      |



| LTE Band 26 |            |                   |           |         |               |                    |               |                    |    |  |       |       |
|-------------|------------|-------------------|-----------|---------|---------------|--------------------|---------------|--------------------|----|--|-------|-------|
| BSF [MHz]   | Modulation | RB Size           | RB Offset | Low     | Mid           | High               | SC-FDMA [MHz] | Max. Time-up [MHz] |    |  |       |       |
|             |            | Channel           | Channel   | Channel |               |                    |               |                    |    |  |       |       |
| 15          | QPSK       | Frequency [MHz]   | 811.5     | 811.5   | 811.5         | 811.5              | 811.5         | 811.5              |    |  | 811.5 | 811.5 |
|             |            | 1                 | 0         | 23.28   | 23.48         | 23.39              | 0             | 24                 |    |  |       |       |
|             |            | 1                 | 37        | 23.24   | 23.46         | 23.35              | 0             | 24                 |    |  |       |       |
|             |            | 1                 | 74        | 23.19   | 23.41         | 23.27              | 0             | 24                 |    |  |       |       |
|             |            | 38                | 0         | 22.12   | 22.37         | 22.20              | 1             | 23                 |    |  |       |       |
|             | 16QAM      | 38                | 13        | 22.20   | 22.41         | 22.28              | 1             | 23                 |    |  |       |       |
|             |            | 38                | 38        | 22.08   | 22.29         | 22.20              | 1             | 23                 |    |  |       |       |
|             |            | 75                | 0         | 22.07   | 22.26         | 22.16              | 1             | 23                 |    |  |       |       |
|             |            | 1                 | 0         | 22.07   | 22.26         | 22.14              | 1             | 23                 |    |  |       |       |
|             |            | 1                 | 37        | 22.16   | 22.40         | 22.25              | 1             | 23                 |    |  |       |       |
| 10          | 16QAM      | 38                | 14        | 22.26   | 22.35         | 22.33              | 2             | 22                 |    |  |       |       |
|             |            | 38                | 19        | 22.14   | 22.43         | 22.17              | 2             | 22                 |    |  |       |       |
|             |            | 38                | 38        | 22.38   | 22.46         | 22.43              | 2             | 22                 |    |  |       |       |
|             |            | 75                | 0         | 21.29   | 21.44         | 21.45              | 2             | 22                 |    |  |       |       |
|             |            | 1                 | 0         | 21.08   | 21.29         | 21.33              | 2             | 22                 |    |  |       |       |
|             | 64QAM      | 1                 | 37        | 21.11   | 21.29         | 21.19              | 2             | 22                 |    |  |       |       |
|             |            | 38                | 0         | 20.21   | 20.43         | 20.30              | 3             | 21                 |    |  |       |       |
|             |            | 38                | 13        | 20.29   | 20.48         | 20.40              | 3             | 21                 |    |  |       |       |
|             |            | 38                | 38        | 20.33   | 20.48         | 20.45              | 3             | 21                 |    |  |       |       |
|             |            | 75                | 0         | 20.17   | 20.35         | 20.23              | 3             | 21                 |    |  |       |       |
| 250K        | QPSK       | 1                 | 0         | 18.36   | 18.47         | 18.34              | 5             | 19                 |    |  |       |       |
|             |            | 1                 | 37        | 18.31   | 18.41         | 18.31              | 5             | 19                 |    |  |       |       |
|             |            | 38                | 0         | 18.46   | 18.58         | 18.54              | 5             | 19                 |    |  |       |       |
|             |            | 38                | 13        | 18.20   | 18.45         | 18.37              | 5             | 19                 |    |  |       |       |
|             |            | 38                | 38        | 18.17   | 18.41         | 18.37              | 5             | 19                 |    |  |       |       |
|             | Channel    | 26745 26855 26955 |           |         | SC-FDMA [MHz] | Max. Time-up [MHz] |               |                    |    |  |       |       |
|             |            | 811.5 811.5 811.5 |           |         |               |                    |               |                    |    |  |       |       |
|             |            | 1                 | 0         | 23.36   | 23.38         |                    | 23.32         | 0                  | 24 |  |       |       |
|             |            | 1                 | 34        | 23.22   | 23.21         |                    | 23.21         | 0                  | 24 |  |       |       |
|             |            | 1                 | 40        | 23.13   | 23.13         |                    | 23.10         | 0                  | 24 |  |       |       |
| 5           | QPSK       | 25                | 0         | 22.05   | 22.30         | 22.03              | 1             | 23                 |    |  |       |       |
|             |            | 25                | 13        | 22.08   | 22.28         | 22.10              | 1             | 23                 |    |  |       |       |
|             |            | 25                | 25        | 22.07   | 22.24         | 22.06              | 1             | 23                 |    |  |       |       |
|             |            | 50                | 0         | 22.03   | 22.25         | 22.09              | 1             | 23                 |    |  |       |       |
|             |            | 1                 | 0         | 22.01   | 22.29         | 22.15              | 1             | 23                 |    |  |       |       |
|             | 16QAM      | 1                 | 34        | 22.06   | 22.40         | 22.16              | 1             | 23                 |    |  |       |       |
|             |            | 1                 | 40        | 22.08   | 22.21         | 22.20              | 1             | 23                 |    |  |       |       |
|             |            | 25                | 0         | 21.01   | 21.31         | 21.16              | 2             | 22                 |    |  |       |       |
|             |            | 25                | 12        | 21.25   | 21.47         | 21.27              | 2             | 22                 |    |  |       |       |
|             |            | 25                | 25        | 21.28   | 21.43         | 21.38              | 2             | 22                 |    |  |       |       |
| 10          | 16QAM      | 50                | 0         | 21.10   | 21.29         | 21.38              | 2             | 22                 |    |  |       |       |
|             |            | 1                 | 0         | 20.03   | 21.14         | 21.29              | 2             | 22                 |    |  |       |       |
|             |            | 1                 | 34        | 20.09   | 21.10         | 21.02              | 2             | 22                 |    |  |       |       |
|             |            | 1                 | 40        | 20.25   | 21.20         | 21.03              | 2             | 22                 |    |  |       |       |
|             |            | 25                | 12        | 20.07   | 20.24         | 20.34              | 2             | 22                 |    |  |       |       |
|             | 64QAM      | 25                | 25        | 20.30   | 20.33         | 20.27              | 3             | 21                 |    |  |       |       |
|             |            | 50                | 0         | 20.12   | 20.48         | 20.30              | 3             | 21                 |    |  |       |       |
|             |            | 1                 | 0         | 18.02   | 18.42         | 18.35              | 5             | 19                 |    |  |       |       |
|             |            | 1                 | 34        | 18.16   | 18.30         | 18.18              | 5             | 19                 |    |  |       |       |
|             |            | 1                 | 40        | 18.40   | 18.32         | 18.33              | 5             | 19                 |    |  |       |       |
| 250K        | QPSK       | 25                | 0         | 18.30   | 18.57         | 18.52              | 5             | 19                 |    |  |       |       |
|             |            | 25                | 13        | 18.30   | 18.57         | 18.52              | 5             | 19                 |    |  |       |       |
|             |            | 25                | 25        | 17.97   | 18.23         | 18.38              | 5             | 19                 |    |  |       |       |
|             |            | 50                | 0         | 18.05   | 18.32         | 18.33              | 5             | 19                 |    |  |       |       |
|             |            | 50                | 13        | 18.05   | 18.32         | 18.33              | 5             | 19                 |    |  |       |       |
|             | Channel    | 26855 26955 27055 |           |         | SC-FDMA [MHz] | Max. Time-up [MHz] |               |                    |    |  |       |       |
|             |            | 811.5 811.5 811.5 |           |         |               |                    |               |                    |    |  |       |       |
|             |            | 1                 | 0         | 23.28   | 23.27         |                    | 23.40         | 0                  | 24 |  |       |       |
|             |            | 1                 | 12        | 23.10   | 23.32         |                    | 23.20         | 0                  | 24 |  |       |       |
|             |            | 1                 | 24        | 23.02   | 23.15         |                    | 23.12         | 0                  | 24 |  |       |       |
| 3           | 16QAM      | 12                | 0         | 21.96   | 22.30         | 22.17              | 1             | 23                 |    |  |       |       |
|             |            | 12                | 6         | 21.80   | 22.03         | 22.11              | 1             | 23                 |    |  |       |       |
|             |            | 12                | 13        | 22.01   | 22.14         | 22.08              | 1             | 23                 |    |  |       |       |
|             |            | 25                | 0         | 22.02   | 22.23         | 22.21              | 1             | 23                 |    |  |       |       |
|             |            | 1                 | 12        | 22.03   | 22.20         | 22.24              | 1             | 23                 |    |  |       |       |
|             | 64QAM      | 1                 | 34        | 22.25   | 22.40         | 22.28              | 1             | 23                 |    |  |       |       |
|             |            | 12                | 0         | 21.17   | 21.41         | 21.30              | 2             | 22                 |    |  |       |       |
|             |            | 12                | 6         | 21.28   | 21.43         | 21.33              | 2             | 22                 |    |  |       |       |
|             |            | 25                | 0         | 21.18   | 21.38         | 21.45              | 2             | 22                 |    |  |       |       |
|             |            | 25                | 13        | 21.03   | 21.24         | 21.20              | 2             | 22                 |    |  |       |       |
| 250K        | QPSK       | 1                 | 0         | 20.04   | 20.38         | 20.17              | 3             | 21                 |    |  |       |       |
|             |            | 12                | 0         | 20.12   | 20.38         | 20.38              | 3             | 21                 |    |  |       |       |
|             |            | 25                | 0         | 20.11   | 20.17         | 20.11              | 3             | 21                 |    |  |       |       |
|             |            | 1                 | 0         | 18.13   | 18.29         | 18.27              | 5             | 19                 |    |  |       |       |
|             |            | 1                 | 12        | 18.12   | 18.25         | 18.21              | 5             | 19                 |    |  |       |       |
|             | 16QAM      | 1                 | 24        | 18.41   | 18.41         | 18.35              | 5             | 19                 |    |  |       |       |
|             |            | 12                | 0         | 18.12   | 18.58         | 18.48              | 5             | 19                 |    |  |       |       |
|             |            | 12                | 6         | 18.18   | 18.58         | 18.52              | 5             | 19                 |    |  |       |       |
|             |            | 12                | 13        | 18.05   | 18.24         | 18.38              | 5             | 19                 |    |  |       |       |
|             |            | 25                | 0         | 18.06   | 18.48         | 18.46              | 5             | 19                 |    |  |       |       |
| 250K        | QPSK       | 1                 | 0         | 18.01   | 18.41         | 18.35              | 5             | 19                 |    |  |       |       |
|             |            | 1                 | 24        | 18.41   | 18.41         | 18.35              | 5             | 19                 |    |  |       |       |
|             |            | 12                | 0         | 18.12   | 18.58         | 18.48              | 5             | 19                 |    |  |       |       |
|             |            | 12                | 6         | 18.18   | 18.58         | 18.52              | 5             | 19                 |    |  |       |       |
|             |            | 12                | 13        | 18.05   | 18.24         | 18.38              | 5             | 19                 |    |  |       |       |
|             | Channel    | 26955 27055 27155 |           |         | SC-FDMA [MHz] | Max. Time-up [MHz] |               |                    |    |  |       |       |
|             |            | 811.5 811.5 811.5 |           |         |               |                    |               |                    |    |  |       |       |
|             |            | 1                 | 0         | 23.28   | 23.27         |                    | 23.40         | 0                  | 24 |  |       |       |
|             |            | 1                 | 14        | 23.23   | 23.28         |                    | 23.30         | 0                  | 24 |  |       |       |
|             |            | 1                 | 28        | 23.06   | 23.21         |                    | 23.17         | 0                  | 24 |  |       |       |
| 1           | 16QAM      | 8                 | 3         | 22.15   | 22.44         | 22.26              | 1             | 23                 |    |  |       |       |
|             |            | 8                 | 7         | 22.10   | 22.40         | 22.22              | 1             | 23                 |    |  |       |       |
|             |            | 8                 | 15        | 22.09   | 22.38         | 22.17              | 1             | 23                 |    |  |       |       |
|             |            | 1                 | 0         | 22.00   | 22.28         | 22.24              | 1             | 23                 |    |  |       |       |
|             |            | 1                 | 14        | 22.11   | 22.37         | 22.28              | 1             | 23                 |    |  |       |       |
|             | 64QAM      | 1                 | 14        | 22.22   | 22.37         | 22.34              | 1             | 23                 |    |  |       |       |
|             |            | 8                 | 3         | 21.29   | 21.38         | 21.35              | 2             | 22                 |    |  |       |       |
|             |            | 8                 | 7         | 21.18   | 21.34         | 21.31              | 2             | 22                 |    |  |       |       |
|             |            | 8                 | 15        | 21.10   | 21.26         | 21.23              | 2             | 22                 |    |  |       |       |
|             |            | 15                | 0         | 21.13   | 21.26         | 21.21              | 2             | 22                 |    |  |       |       |
| 1           | 16QAM      | 15                | 0         | 21.18   | 21.31         | 21.27              | 2             | 22                 |    |  |       |       |
|             |            | 1                 | 7         | 21.09   | 21.30         | 21.24              | 2             | 22                 |    |  |       |       |
|             |            | 1                 | 14        | 21.17   | 21.28         | 21.11              | 2             | 22                 |    |  |       |       |
|             |            | 8                 | 3         | 20.04   | 20.30         | 20.25              | 3             | 21                 |    |  |       |       |
|             |            | 8                 | 7         | 20.04   | 20.30         | 20.40              | 3             | 21                 |    |  |       |       |
|             | 64QAM      | 8                 | 7         | 20.29   | 20.42         | 20.42              | 3             | 21                 |    |  |       |       |
|             |            | 15                | 0         | 20.00   | 20.30         | 20.35              | 3             | 21                 |    |  |       |       |
|             |            | 1                 | 0         | 18.01   | 18.14         | 18.11              | 3             | 21                 |    |  |       |       |
|             |            | 1                 | 0         | 18.01   | 18.14         | 18.13              | 3             | 21                 |    |  |       |       |
|             |            | 1                 | 14        | 18.40   | 18.31         | 18.27              | 5             | 19                 |    |  |       |       |
| 250K        | QPSK       | 8                 | 3         | 18.05   | 18.55         | 18.51              | 5             | 19                 |    |  |       |       |
|             |            | 8                 | 3         | 18.07   | 18.27         | 18.18              | 5             | 19                 |    |  |       |       |
|             |            | 8                 | 7         | 18.02   | 18.41         | 18.26              | 5             | 19                 |    |  |       |       |
|             |            | 8                 | 15        | 18.21   | 18.35         | 18.34              | 5             | 19                 |    |  |       |       |
|             |            | 8                 | 0         | 18.01   | 18.41         | 18.35              | 5             | 19                 |    |  |       |       |
|             | Channel    | 27055 27155 27255 |           |         | SC-FDMA [MHz] | Max. Time-up [MHz] |               |                    |    |  |       |       |
|             |            | 811.5 811.5 811.5 |           |         |               |                    |               |                    |    |  |       |       |
|             |            | 1                 | 0         | 23.28   | 23.27         |                    | 23.40         | 0                  | 24 |  |       |       |
|             |            | 1                 | 2         | 23.18   | 23.28         |                    | 23.22         | 0                  | 24 |  |       |       |
|             |            | 1                 | 5         | 23.04   | 23.23         |                    | 23.17         | 0                  | 24 |  |       |       |
| 3           | QPSK       | 1                 | 5         | 23.14   | 23.22         | 23.10              | 0             | 24                 |    |  |       |       |
|             |            | 1                 | 10        | 23.12   | 23.22         | 23.17              | 0             | 24                 |    |  |       |       |
|             |            | 1                 | 15        | 23.06   | 23.21         | 23.16              | 0             | 24                 |    |  |       |       |
|             |            | 1                 | 20        | 22.96   | 23.20         | 23.16              | 0             | 24                 |    |  |       |       |
|             |            | 1                 | 25        | 22.86   | 23.20         | 23.16              | 0             | 24                 |    |  |       |       |
|             | 16QAM      | 1                 | 0         | 22.26   | 22.38         | 22.34              | 1             | 23                 |    |  |       |       |
|             |            | 1                 | 0         | 22.13   | 22.29         | 22.22              | 1             | 23                 |    |  |       |       |
|             |            | 1                 | 2         | 22.08   | 22.22         | 22.20              | 1             | 23                 |    |  |       |       |
|             |            | 1                 | 5         | 22.13   | 22.22         | 22.18              | 1             | 23                 |    |  |       |       |
|             |            | 3                 | 3         | 22.10   | 22.27         | 22.22              | 1             | 23                 |    |  |       |       |
| 1.4         | 16QAM      | 3                 | 1         | 21.08   | 21.27         | 21.25              | 2             | 22                 |    |  |       |       |
|             |            | 3                 | 1         | 21.09   | 21.19         | 21.09              | 2             | 22                 |    |  |       |       |
|             |            | 3                 | 1         | 21.18   | 21.28         | 21.21              | 2             | 22                 |    |  |       |       |
|             |            | 3                 | 3         | 22.18   | 22.28         | 22.20              | 1             | 23                 |    |  |       |       |
|             |            | 1                 | 0         | 20.01   | 21.13         | 21.23              | 2             | 22                 |    |  |       |       |
|             | 64QAM      | 3                 | 1         | 21.01   | 21.26         | 21.16              | 2             | 22                 |    |  |       |       |
|             |            | 3                 | 1         | 21.02   | 21.14         | 21.10              | 2             | 22                 |    |  |       |       |
|             |            | 3                 | 0         | 20.03   | 20.35         | 20.20              | 3             | 21                 |    |  |       |       |
|             |            | 3                 | 1         | 20.03   | 20.35         | 20.37              | 3             | 21                 |    |  |       |       |
|             |            | 3                 | 1         | 18.01   | 18.32         | 18.18              | 5             | 19                 |    |  |       |       |
| 250K        | QPSK       | 3                 | 1         | 18.20   | 18.38         | 18.30              | 5             | 19                 |    |  |       |       |
|             |            | 3                 | 1         | 18.44   | 18.31         | 18.33              | 5             | 19                 |    |  |       |       |
|             |            | 3                 | 1         | 18.00   | 18.26         | 18.34              | 5             | 19                 |    |  |       |       |
|             |            | 3                 | 1         | 18.03   | 18.41         | 18.36              | 5             | 19                 |    |  |       |       |
|             |            | 3                 | 1         | 18.13   | 18.32         | 18.31              | 5             | 19                 |    |  |       |       |
|             | Channel    | 27155 27255 27355 |           |         | SC-FDMA [MHz] | Max. Time-up [MHz] |               |                    |    |  |       |       |
|             |            | 811.5 811.5 811.5 |           |         |               |                    |               |                    |    |  |       |       |
|             |            | 1                 | 0         | 23.28   | 23.27         |                    | 23.40         | 0                  | 24 |  |       |       |
|             |            | 1                 | 2         | 23.18   | 23.28         |                    | 23.22         | 0                  | 24 |  |       |       |
|             |            | 1                 | 5         | 23.04   | 23.23         |                    | 23.17         | 0                  | 24 |  |       |       |



| Part 96 LTE Band 40 |            |         |           |                         |         |          |       |           |                   |                     |
|---------------------|------------|---------|-----------|-------------------------|---------|----------|-------|-----------|-------------------|---------------------|
| BW [MHz]            | Modulation | RB Size | RB Offset | Low                     | Mid-Low | Mid-High | High  | SCPR [dB] | Max. Time-up [ms] | Max. Time-down [ms] |
|                     |            |         |           | Channel Frequency [MHz] | 55030   | 55030    | 55130 |           |                   |                     |
| 20                  | QPSK       | 1       | 0         | 15.56                   | 15.74   | 15.74    | 15.92 | 0         | 15                | 15                  |
|                     |            | 1       | 50        | 15.53                   | 15.71   | 15.70    | 15.85 | 0         | 15                | 15                  |
|                     |            | 1       | 100       | 15.43                   | 15.60   | 15.59    | 15.68 | 0         | 15                | 15                  |
|                     |            | 50      | 0         | 15.56                   | 15.70   | 15.61    | 15.73 | 1         | 17                | 17                  |
|                     |            | 50      | 25        | 15.45                   | 15.64   | 15.62    | 15.75 | 1         | 17                | 17                  |
|                     |            | 50      | 50        | 15.52                   | 15.67   | 15.64    | 15.71 | 1         | 17                | 17                  |
|                     |            | 100     | 0         | 15.45                   | 15.59   | 15.70    | 15.71 | 1         | 17                | 17                  |
|                     |            | 1       | 0         | 15.94                   | 15.96   | 15.84    | 16.07 | 1         | 17                | 17                  |
|                     |            | 1       | 50        | 15.90                   | 15.91   | 15.88    | 16.02 | 1         | 17                | 17                  |
|                     |            | 50      | 0         | 15.87                   | 16.02   | 16.03    | 16.04 | 1         | 17                | 17                  |
| 10                  | 16QAM      | 1       | 0         | 14.57                   | 14.60   | 14.60    | 14.62 | 2         | 16                | 16                  |
|                     |            | 50      | 25        | 14.74                   | 14.68   | 14.68    | 14.64 | 2         | 16                | 16                  |
|                     |            | 50      | 50        | 14.60                   | 14.63   | 14.60    | 14.64 | 2         | 16                | 16                  |
|                     |            | 100     | 0         | 14.43                   | 14.65   | 14.64    | 14.75 | 2         | 16                | 16                  |
|                     |            | 1       | 0         | 15.12                   | 15.20   | 15.05    | 15.09 | 2         | 16                | 16                  |
|                     |            | 1       | 50        | 15.05                   | 14.95   | 15.05    | 15.01 | 2         | 16                | 16                  |
|                     |            | 50      | 0         | 14.98                   | 15.01   | 14.97    | 14.98 | 2         | 16                | 16                  |
|                     |            | 50      | 25        | 14.84                   | 14.88   | 14.87    | 14.86 | 3         | 15                | 15                  |
|                     |            | 50      | 50        | 14.77                   | 14.83   | 14.86    | 14.86 | 3         | 15                | 15                  |
|                     |            | 100     | 0         | 14.49                   | 14.80   | 14.89    | 14.89 | 3         | 15                | 15                  |
| 5                   | 64QAM      | 1       | 0         | 13.94                   | 13.99   | 13.79    | 13.97 | 5         | 13                | 13                  |
|                     |            | 50      | 0         | 13.94                   | 13.99   | 13.87    | 13.96 | 3         | 15                | 15                  |
|                     |            | 50      | 25        | 13.87                   | 13.93   | 13.87    | 13.93 | 3         | 15                | 15                  |
|                     |            | 50      | 50        | 13.77                   | 13.83   | 13.86    | 13.86 | 3         | 15                | 15                  |
|                     |            | 100     | 0         | 13.49                   | 13.80   | 13.89    | 13.89 | 3         | 15                | 15                  |
|                     |            | 1       | 0         | 14.57                   | 14.59   | 14.49    | 14.71 | 5         | 13                | 13                  |
|                     |            | 50      | 0         | 14.50                   | 14.55   | 14.52    | 14.51 | 5         | 13                | 13                  |
|                     |            | 50      | 25        | 14.43                   | 14.48   | 14.47    | 14.45 | 5         | 13                | 13                  |
|                     |            | 50      | 50        | 14.36                   | 14.42   | 14.45    | 14.45 | 5         | 13                | 13                  |
|                     |            | 100     | 0         | 14.08                   | 14.39   | 14.48    | 14.48 | 5         | 13                | 13                  |
| BW [MHz]            | Modulation | RB Size | RB Offset | Low                     | Mid-Low | Mid-High | High  | SCPR [dB] | Max. Time-up [ms] | Max. Time-down [ms] |
|                     |            |         |           | Channel Frequency [MHz] | 55030   | 55030    | 55130 |           |                   |                     |
| 20                  | QPSK       | 1       | 0         | 15.57                   | 15.69   | 15.51    | 15.64 | 0         | 15                | 15                  |
|                     |            | 1       | 37        | 15.51                   | 15.62   | 15.53    | 15.54 | 0         | 15                | 15                  |
|                     |            | 74      | 0         | 15.41                   | 15.49   | 15.40    | 15.45 | 0         | 15                | 15                  |
|                     |            | 38      | 0         | 15.43                   | 15.53   | 15.49    | 15.71 | 1         | 17                | 17                  |
|                     |            | 38      | 38        | 15.51                   | 15.61   | 15.57    | 15.68 | 1         | 17                | 17                  |
|                     |            | 38      | 38        | 15.33                   | 15.48   | 15.50    | 15.57 | 1         | 17                | 17                  |
|                     |            | 75      | 0         | 15.53                   | 15.74   | 15.70    | 15.66 | 1         | 17                | 17                  |
|                     |            | 1       | 37        | 15.51                   | 15.67   | 15.68    | 15.61 | 1         | 17                | 17                  |
|                     |            | 1       | 37        | 15.72                   | 15.65   | 15.62    | 15.63 | 1         | 17                | 17                  |
|                     |            | 1       | 74        | 15.47                   | 15.51   | 15.53    | 15.51 | 1         | 17                | 17                  |
| 10                  | 16QAM      | 1       | 0         | 14.48                   | 14.70   | 14.70    | 14.48 | 2         | 16                | 16                  |
|                     |            | 38      | 13        | 14.68                   | 14.64   | 14.62    | 14.65 | 2         | 16                | 16                  |
|                     |            | 38      | 38        | 14.63                   | 14.68   | 14.63    | 14.68 | 2         | 16                | 16                  |
|                     |            | 75      | 0         | 14.33                   | 14.65   | 14.75    | 14.76 | 2         | 16                | 16                  |
|                     |            | 1       | 0         | 15.01                   | 15.23   | 14.87    | 14.95 | 2         | 16                | 16                  |
|                     |            | 1       | 37        | 14.75                   | 15.05   | 14.99    | 14.98 | 2         | 16                | 16                  |
|                     |            | 1       | 74        | 14.68                   | 14.69   | 14.67    | 14.65 | 2         | 16                | 16                  |
|                     |            | 38      | 0         | 14.77                   | 14.77   | 14.65    | 14.71 | 2         | 16                | 16                  |
|                     |            | 38      | 38        | 14.76                   | 14.67   | 14.65    | 14.69 | 3         | 15                | 15                  |
|                     |            | 75      | 0         | 14.47                   | 14.68   | 14.74    | 14.74 | 3         | 15                | 15                  |
| BW [MHz]            | Modulation | RB Size | RB Offset | Low                     | Mid-Low | Mid-High | High  | SCPR [dB] | Max. Time-up [ms] | Max. Time-down [ms] |
|                     |            |         |           | Channel Frequency [MHz] | 55030   | 55030    | 55130 |           |                   |                     |
| 20                  | QPSK       | 1       | 0         | 15.46                   | 15.46   | 15.54    | 15.57 | 5         | 15                | 15                  |
|                     |            | 1       | 37        | 15.53                   | 15.66   | 15.48    | 15.55 | 5         | 15                | 15                  |
|                     |            | 1       | 74        | 15.41                   | 15.46   | 15.49    | 15.56 | 5         | 15                | 15                  |
|                     |            | 38      | 0         | 14.38                   | 14.55   | 14.67    | 14.76 | 5         | 15                | 15                  |
|                     |            | 38      | 38        | 14.54                   | 14.71   | 14.62    | 14.68 | 5         | 15                | 15                  |
|                     |            | 75      | 0         | 14.38                   | 14.50   | 14.61    | 14.71 | 5         | 15                | 15                  |
|                     |            | 1       | 0         | 15.52                   | 15.68   | 15.58    | 15.45 | 5         | 15                | 15                  |
|                     |            | 1       | 37        | 15.59                   | 15.65   | 15.69    | 15.69 | 5         | 15                | 15                  |
|                     |            | 1       | 74        | 15.46                   | 15.49   | 15.47    | 15.45 | 5         | 15                | 15                  |
|                     |            | 38      | 0         | 14.77                   | 14.77   | 14.65    | 14.71 | 5         | 15                | 15                  |
| 10                  | 16QAM      | 1       | 0         | 14.49                   | 14.69   | 14.69    | 14.49 | 2         | 16                | 16                  |
|                     |            | 38      | 13        | 14.69                   | 14.64   | 14.62    | 14.65 | 2         | 16                | 16                  |
|                     |            | 38      | 38        | 14.63                   | 14.68   | 14.63    | 14.68 | 2         | 16                | 16                  |
|                     |            | 75      | 0         | 14.34                   | 14.66   | 14.66    | 14.49 | 2         | 16                | 16                  |
|                     |            | 1       | 0         | 14.99                   | 14.99   | 14.60    | 14.81 | 2         | 16                | 16                  |
|                     |            | 1       | 37        | 14.73                   | 14.98   | 14.97    | 14.73 | 2         | 16                | 16                  |
|                     |            | 1       | 74        | 14.68                   | 14.68   | 14.63    | 14.63 | 2         | 16                | 16                  |
|                     |            | 38      | 0         | 14.77                   | 14.77   | 14.65    | 14.71 | 2         | 16                | 16                  |
|                     |            | 38      | 38        | 14.76                   | 14.67   | 14.65    | 14.69 | 3         | 15                | 15                  |
|                     |            | 75      | 0         | 14.49                   | 14.69   | 14.74    | 14.74 | 3         | 15                | 15                  |
| BW [MHz]            | Modulation | RB Size | RB Offset | Low                     | Mid-Low | Mid-High | High  | SCPR [dB] | Max. Time-up [ms] | Max. Time-down [ms] |
|                     |            |         |           | Channel Frequency [MHz] | 55030   | 55030    | 55130 |           |                   |                     |
| 20                  | QPSK       | 1       | 0         | 15.46                   | 15.46   | 15.54    | 15.57 | 5         | 15                | 15                  |
|                     |            | 1       | 37        | 15.53                   | 15.66   | 15.48    | 15.55 | 5         | 15                | 15                  |
|                     |            | 1       | 74        | 15.41                   | 15.46   | 15.49    | 15.56 | 5         | 15                | 15                  |
|                     |            | 38      | 0         | 14.38                   | 14.55   | 14.67    | 14.76 | 5         | 15                | 15                  |
|                     |            | 38      | 38        | 14.54                   | 14.71   | 14.62    | 14.68 | 5         | 15                | 15                  |
|                     |            | 75      | 0         | 14.38                   | 14.50   | 14.61    | 14.71 | 5         | 15                | 15                  |
|                     |            | 1       | 0         | 15.52                   | 15.68   | 15.58    | 15.45 | 5         | 15                | 15                  |
|                     |            | 1       | 37        | 15.59                   | 15.65   | 15.69    | 15.69 | 5         | 15                | 15                  |
|                     |            | 1       | 74        | 15.46                   | 15.49   | 15.47    | 15.45 | 5         | 15                | 15                  |
|                     |            | 38      | 0         | 14.77                   | 14.77   | 14.65    | 14.71 | 5         | 15                | 15                  |
| 10                  | 16QAM      | 1       | 0         | 14.49                   | 14.69   | 14.69    | 14.49 | 2         | 16                | 16                  |
|                     |            | 38      | 13        | 14.69                   | 14.64   | 14.62    | 14.65 | 2         | 16                | 16                  |
|                     |            | 38      | 38        | 14.63                   | 14.68   | 14.63    | 14.68 | 2         | 16                | 16                  |
|                     |            | 75      | 0         | 14.34                   | 14.66   | 14.66    | 14.49 | 2         | 16                | 16                  |
|                     |            | 1       | 0         | 14.99                   | 14.99   | 14.60    | 14.81 | 2         | 16                | 16                  |
|                     |            | 1       | 37        | 14.73                   | 14.98   | 14.97    | 14.73 | 2         | 16                | 16                  |
|                     |            | 1       | 74        | 14.68                   | 14.68   | 14.63    | 14.63 | 2         | 16                | 16                  |
|                     |            | 38      | 0         | 14.77                   | 14.77   | 14.65    | 14.71 | 2         | 16                | 16                  |
|                     |            | 38      | 38        | 14.76                   | 14.67   | 14.65    | 14.69 | 3         | 15                | 15                  |
|                     |            | 75      | 0         | 14.49                   | 14.69   | 14.74    | 14.74 | 3         | 15                | 15                  |

| LTE Band 66 |            |         |           |                         |        |        |        |           |                   |                     |
|-------------|------------|---------|-----------|-------------------------|--------|--------|--------|-----------|-------------------|---------------------|
| BW [MHz]    | Modulation | RB Size | RB Offset | Low                     |        | Mid    | High   | SCPR [dB] | Max. Time-up [ms] | Max. Time-down [ms] |
|             |            |         |           | Channel Frequency [MHz] | 133072 | 133072 | 133072 |           |                   |                     |
| 20          | QPSK       | 1       | 0         | 15.20                   | 15.41  | 15.37  | 0      | 15        | 15                | 15                  |
|             |            | 1       | 50        | 15.44                   | 15.46  | 15.44  | 0      | 15        | 15                | 15                  |
|             |            | 1       | 100       | 15.40                   | 15.41  | 15.41  | 0      | 15        | 15                | 15                  |
|             |            | 50      | 0         | 15.50                   | 15.52  | 15.50  | 1      | 17        | 17                | 17                  |
|             |            | 50      | 25        | 15.53                   | 15.62  | 15.60  | 1      | 17        | 17                | 17                  |
|             |            | 50      | 50        | 15.41                   | 15.57  | 15.67  | 1      | 17        | 17                | 17                  |
|             |            | 100     | 0         | 15.47                   | 15.58  | 15.78  | 1      | 17        | 17                | 17                  |
|             |            | 1       | 0         | 15.69                   | 15.61  | 15.70  | 1      | 17        | 17                | 17                  |
|             |            | 1       | 50        | 15.62                   | 15.62  | 15.73  | 1      | 17        | 17                | 17                  |
|             |            | 1       | 100       | 15.42                   | 15.58  | 15.48  | 1      | 17        | 17                | 17                  |
| 10          | 16QAM      | 1       | 0         | 14.60                   | 14.60  | 14.60  | 2      | 16        | 16                | 16                  |
|             |            | 50      | 25        | 14.54                   | 14.61  | 14.65  | 2      | 16        | 16                | 16                  |
|             |            | 50      | 50        | 14.47                   | 14.60  | 14.75  | 2      | 16        | 16                | 16                  |
|             |            | 100     | 0         | 14.50                   | 14.60  | 14.80  | 2      | 16        | 16                | 16                  |
|             |            | 1       | 0         | 14.57                   | 14.61  | 14.69  | 2      | 16        | 16                | 16                  |
|             |            | 1       | 50        | 14.50                   | 14.58  | 14.70  | 2      | 16        | 16                | 16                  |
|             |            | 50      | 0         | 14.56                   | 14.62  | 14.74  | 3      | 15        | 15                | 15                  |
|             |            | 50      | 25        | 14.49                   | 14.60  | 14.75  | 3      | 15        | 15                | 15                  |
|             |            | 50      | 50        | 14.42                   | 14.54  | 14.65  | 3      | 15        | 15                | 15                  |
|             |            | 100     | 0         | 14.30                   | 14.54  | 14.50  | 3      | 15        | 15                | 15                  |
| 5           | QPSK       | 1       | 0         | 15.20                   | 15.41  | 15.37  | 0      | 15        | 15                | 15                  |
|             |            | 1       | 50        | 15.44                   | 15.46  | 15.44  | 0      | 15        | 15                | 15                  |
|             |            | 1       | 100       | 15.40                   | 15.41  | 15.41  | 0      | 15        | 15                | 15                  |
|             |            | 50      | 0         | 15.50                   | 15.52  | 15.50  | 1      | 17        | 17                | 17                  |
|             |            | 50      | 25        | 15.53                   | 15.62  | 15.60  | 1      | 17        | 17                | 17                  |
|             |            | 50      | 50        | 15.41                   | 15.57  | 15.67  | 1      | 17        | 17                | 17                  |
|             |            | 100     | 0         | 15.47                   | 15.58  | 15.78  | 1      | 17        | 17                | 17                  |
|             |            | 1       | 0         | 15.69                   | 15.61  | 15.70  | 1      | 17        | 17                | 17                  |
|             |            | 1       | 50        | 15.62                   | 15.62  | 15.73  | 1      | 17        | 17                | 17                  |
|             |            | 1       | 100       | 15.42                   | 15.58  | 15.48  | 1      | 17        | 17                | 17                  |
| 3           | 16QAM      | 1       | 0         | 14.60                   | 14.60  | 14.60  | 2      | 16        | 16                | 16                  |
|             |            | 50      | 25        | 14.54                   | 14.61  | 14.65  | 2      | 16        | 16                | 16                  |
|             |            | 50      | 50        | 14.47                   | 14.60  | 14.75  | 2      | 16        | 16                | 16                  |
|             |            | 100     | 0         | 14.50                   | 14.60  | 14.80  | 2      | 16        | 16                | 16                  |
|             |            | 1       | 0         | 14.57                   | 14.61  | 14.69  | 2      | 16        | 16                | 16                  |
|             |            | 1       | 50        | 14.50                   | 14.58  | 14.70  | 2      | 16        | 16                | 16                  |
|             |            | 50      | 0         | 14.56                   | 14.62  | 14.74  | 3      | 15        | 15                | 15                  |
|             |            | 50      | 25        | 14.49                   | 14.60  | 14.75  | 3      | 15        | 15                | 15                  |
|             |            | 50      | 50        | 14.42                   | 14.54  | 14.65  | 3      | 15        | 15                | 15                  |
|             |            | 100     | 0         | 14.30                   | 14.54  | 14.50  | 3      | 15        | 15                | 15                  |
| 1.4         | QPSK       | 1       | 0         | 15.20                   | 15.41  | 15.37  | 0      | 15        | 15                | 15                  |
|             |            | 1       | 50        | 15.44                   | 15.46  | 15.44  | 0      | 15        | 15                | 15                  |
|             |            | 1       | 100       | 15.40                   | 15.41  | 15.41  | 0      | 15        | 15                | 15                  |
|             |            | 50      | 0         | 15.50                   | 15.52  | 15.50  | 1      | 17        | 17                | 17                  |
|             |            | 50      | 25        | 15.53                   | 15.62  | 15.60  | 1      | 17        | 17                | 17                  |
|             |            | 50      | 50        | 15.41                   | 15.57  | 15.67  | 1      | 17        | 17                | 17                  |
|             |            | 100     | 0         | 15.47                   | 15.58  | 15.78  | 1      | 17        | 17                | 17                  |
|             |            | 1       | 0         | 15.69                   | 15.61  | 15.70  | 1      | 17        | 17                | 17                  |
|             |            | 1       | 50        | 15.62                   | 15.62  | 15.73  | 1      | 17        | 17                | 17                  |
|             |            | 1       | 100       | 15.42                   | 15.58  | 15.48  | 1      | 17        | 17                | 17                  |
| 0.7         | 16QAM      | 1       | 0         | 14.60                   | 14.60  | 14.60  | 2      | 16        | 16                | 16                  |
|             |            | 50      | 25        | 14.54                   | 14.61  | 14.65  | 2      | 16        | 16                | 16                  |
|             |            | 50      | 50        | 14.47                   | 14.60  | 14.75  | 2      | 16        | 16                | 16                  |
|             |            | 100     | 0         | 14.50                   | 14.60  | 14.80  | 2      | 16        | 16                | 16                  |
|             |            | 1       | 0         | 14.57                   | 14.61  | 14.69  | 2      | 16        | 16                | 16                  |
|             |            | 1       | 50        | 14.50                   | 14.58  | 14.70  | 2      | 16        | 16                | 16                  |
|             |            | 50      | 0         | 14.56                   | 14.62  | 14.74  | 3      | 15        | 15                | 15                  |
|             |            | 50      | 25        | 14.49                   | 14.60  | 14.75  | 3      | 15        | 15                | 15                  |
|             |            | 50      | 50        | 14.42                   | 14.54  | 14.65  | 3      | 15        | 15                | 15                  |
|             |            | 100     | 0         | 14.30                   | 14.54  | 14.50  | 3      | 15        | 15                | 15                  |
| 0.3         | QPSK       | 1       | 0         | 15.20                   | 15.41  | 15.37  | 0      | 15        | 15                | 15                  |
|             |            | 1       | 50        | 15.44                   | 15.46  | 15.44  | 0      | 15        | 15                | 15                  |
|             |            | 1       | 100       | 15.40                   | 15.41  | 15.41  | 0      | 15        | 15                | 15                  |
|             |            | 50      | 0         | 15.50                   | 15.52  | 15.50  | 1      | 17        | 17                | 17                  |
|             |            | 50      | 25        | 15.53                   | 15.62  | 15.60  | 1      | 17        | 17                | 17                  |
|             |            | 50      | 50        | 15.41                   | 15.57  | 15.67  | 1      | 17        | 17                | 17                  |
|             |            | 100     | 0         | 15.47                   | 15.58  | 15.78  | 1      | 17        | 17                | 17                  |
|             |            | 1       | 0         | 15.69                   | 15.61  | 15.70  | 1      | 17        | 17                | 17                  |
|             |            | 1       | 50        | 15.62                   | 15.62  | 15.73  | 1      | 17        | 17                | 17                  |
|             |            | 1       | 100       | 15.42                   | 15.58  | 15.48  | 1      | 17        | 17                | 17                  |
| 0.2         | 16QAM      | 1       | 0         | 14.60                   | 14.60  | 14.60  | 2      | 16        | 16                | 16                  |
|             |            | 50      | 25        | 14.54                   | 14.61  | 14.65  | 2      | 16        | 16                | 16                  |
|             |            | 50      | 50        | 14.47                   | 14.60  | 14.75  | 2      | 16        | 16                | 16                  |
|             |            | 100     | 0         | 14.50                   | 14.60  | 14.80  | 2      | 16        | 16                | 16                  |
|             |            | 1       | 0         | 14.57                   | 14.61  | 14.69  | 2      | 16        | 16                | 16                  |
|             |            | 1       | 50        | 14.50                   | 14.58  | 14.70  | 2      | 16        | 16                | 16                  |
|             |            | 50      | 0         | 14.56                   | 14.62  | 14.74  | 3      | 15        | 15                | 15                  |
|             |            | 50      | 25        | 14.49                   | 14.60  | 14.75  | 3      | 15        | 15                | 15                  |
|             |            | 50      | 50        | 14.42                   | 14.54  | 14.65  | 3      | 15        | 15                | 15                  |
|             |            | 100     | 0         | 14.30                   | 14.54  | 14.50  | 3      | 15        | 15                | 15                  |
| 0.1         | QPSK       | 1       | 0         | 15.20                   | 15.41  | 15.37  | 0      | 15        | 15                | 15                  |
|             |            | 1       | 50        | 15.44                   | 15.46  | 15.44  | 0      | 15        | 15                | 15                  |
|             |            | 1       | 100       | 15.40                   | 15.41  | 15.41  | 0      | 15        | 15                | 15                  |
|             |            | 50      | 0         | 15.50                   | 15.52  | 15.50  | 1      | 17        | 17                | 17                  |
|             |            | 50      | 25        | 15.53                   | 15.62  | 15.60  | 1      | 17        | 17                | 17                  |
|             |            | 50      | 50        | 15.41                   | 15.57  | 15.67  | 1      | 17        | 17                | 17                  |
|             |            | 100     | 0         | 15.47                   | 15.58  | 15.78  | 1      | 17        | 17                | 17                  |
|             |            | 1       | 0         | 15.69                   | 15.61  | 15.70  | 1      | 17        | 17                | 17                  |
|             |            | 1       | 50        | 15.62                   | 15.62  | 15.73  | 1      | 17        | 17                | 17                  |
|             |            | 1       | 100       | 15.42                   | 15.58  | 15.48  | 1      | 17        | 17                | 17                  |
| 0.05        | 16QAM      | 1       | 0         | 14.60                   | 14.60  | 14.60  | 2      | 16        | 16                | 16                  |
|             |            | 50      | 25        | 14.54                   | 14.61  | 14.65  | 2      | 16        | 16                | 16                  |
|             |            | 50      | 50        | 14.47                   | 14.60  | 14.75  | 2      | 16        | 16                | 16                  |
|             |            | 100     | 0         | 14.50                   | 14.60  | 14.80  | 2      | 16        | 16                | 16                  |
|             |            | 1       | 0         | 14.57                   | 14.61  | 14.69  | 2      | 16        | 16                | 16                  |
|             |            | 1       | 50        | 14.50                   | 14.58  | 14.70  | 2      | 16        | 16                | 16                  |
|             |            | 50      | 0         | 14.56                   | 14.62  | 14.74  | 3      | 15        | 15                | 15                  |
|             |            | 50      | 25        | 14.49                   | 14.60  | 14.75  | 3      | 15        | 15                | 15                  |
|             |            | 50      | 50        | 14.42                   | 14.54  | 14.65  | 3      | 15        | 15                | 15                  |
|             |            | 100     | 0         | 14.30                   | 14.54  | 14.50  | 3      | 15        | 15                | 15                  |



<Sensor on Power For NR Normal Mode>

| n2 (SCS 15kHz) |            |                 |           |       |       |        |             |                 |                 |  |
|----------------|------------|-----------------|-----------|-------|-------|--------|-------------|-----------------|-----------------|--|
| BW<br>(MHz)    | DFT-s-OFDM | RB Size         | RB Offset | Low   | Mid   | High   | MPR<br>(dB) | Max.<br>Time-up | Max.<br>Time-up |  |
|                |            | Channel         |           | 37200 | 37600 | 38000  |             |                 |                 |  |
| 20             | PUSCH      | Frequency (MHz) |           | 1860  | 1880  | 1900   |             |                 |                 |  |
|                |            | 1               | 1         | 18.08 | 18.15 | 18.11  | 0           | 19.0            |                 |  |
|                |            | 1               | 53        | 18.07 | 18.12 | 18.10  | 0           | 19.0            |                 |  |
|                |            | 1               | 104       | 18.04 | 18.11 | 18.03  | 0           | 19.0            |                 |  |
|                |            | 50              | 0         | 17.61 | 17.64 | 17.65  | 0.5         | 18.5            |                 |  |
|                |            | 50              | 28        | 18.04 | 18.13 | 18.10  | 0           | 19.0            |                 |  |
|                | QPSK       | 50              | 56        | 17.51 | 17.61 | 17.60  | 0.5         | 18.5            |                 |  |
|                |            | 100             | 0         | 17.43 | 17.58 | 17.54  | 0.5         | 18.5            |                 |  |
|                |            | 1               | 1         | 18.10 | 18.16 | 18.13  | 0           | 19.0            |                 |  |
|                |            | 1               | 53        | 18.10 | 18.10 | 18.07  | 0           | 19.0            |                 |  |
|                |            | 1               | 104       | 18.08 | 18.11 | 18.10  | 0           | 19.0            |                 |  |
|                |            | 50              | 0         | 17.00 | 17.08 | 17.09  | 1           | 18.0            |                 |  |
|                | 16QAM      | 50              | 28        | 18.06 | 18.12 | 18.08  | 0           | 19.0            |                 |  |
|                |            | 50              | 56        | 17.35 | 17.09 | 17.15  | 1           | 18.0            |                 |  |
|                |            | 100             | 0         | 17.08 | 17.13 | 17.05  | 1           | 18.0            |                 |  |
|                |            | 64QAM           | 1         | 1     | 17.20 | 17.31  | 17.33       | 1               | 18.0            |  |
|                |            | 64QAM           | 1         | 1     | 15.81 | 15.93  | 15.88       | 2.5             | 16.5            |  |
|                |            | 256QAM          | 1         | 1     | 13.18 | 13.25  | 13.28       | 4.5             | 14.5            |  |
| BW<br>(MHz)    | DFT-s-OFDM | Channel         |           | 37200 | 37600 | 38000  | MPR<br>(dB) | Max.<br>Time-up | Max.<br>Time-up |  |
| 15             | QPSK       | 1               | 1         | 18.10 | 18.10 | 18.10  | 0           | 19.0            |                 |  |
| BW<br>(MHz)    | DFT-s-OFDM | Channel         |           | 37200 | 37600 | 38000  | MPR<br>(dB) | Max.<br>Time-up | Max.<br>Time-up |  |
| 10             | QPSK       | Frequency (MHz) |           | 1860  | 1880  | 1900   |             |                 |                 |  |
| 10             | DFT-s-OFDM | 1               | 1         | 18.01 | 18.13 | 17.96  | 0           | 19.0            |                 |  |
| BW<br>(MHz)    | DFT-s-OFDM | Channel         |           | 37200 | 37600 | 38000  | MPR<br>(dB) | Max.<br>Time-up | Max.<br>Time-up |  |
| 5              | QPSK       | Frequency (MHz) |           | 1860  | 1880  | 1897.5 |             |                 |                 |  |
| 5              | QPSK       | 1               | 1         | 18.15 | 18.12 | 17.99  | 0           | 19.0            |                 |  |

| n5 (SCS 15kHz) |            |                 |           |       |       |       |             |                          |                          |
|----------------|------------|-----------------|-----------|-------|-------|-------|-------------|--------------------------|--------------------------|
| BW<br>(MHz)    | DFT-s-OFDM | RB Size         | RB Offset | Low   | Mid   | High  | MPR<br>(dB) | Max.<br>Time-up<br>(dBm) | Max.<br>Time-up<br>(dBm) |
|                |            | Channel         |           | 16600 | 16700 | 16700 |             |                          |                          |
| 20             | PUSCH      | Frequency (MHz) |           | 834   | 834.5 | 839   |             |                          |                          |
|                |            | 1               | 1         | 23.12 | 23.12 | 23.29 | 0           | 24.0                     |                          |
|                |            | 1               | 53        | 23.17 | 23.28 | 23.21 | 0           | 24.0                     |                          |
|                |            | 1               | 104       | 23.19 | 23.31 | 23.19 | 0           | 24.0                     |                          |
|                |            | 50              | 0         | 23.01 | 23.18 | 23.00 | 0           | 24.0                     |                          |
|                |            | 50              | 28        | 23.16 | 23.32 | 23.19 | 0           | 24.0                     |                          |
|                | QPSK       | 50              | 56        | 22.97 | 23.14 | 23.03 | 0           | 24.0                     |                          |
|                |            | 100             | 0         | 23.29 | 23.32 | 23.14 | 0           | 24.0                     |                          |
|                |            | 1               | 1         | 23.35 | 23.37 | 23.32 | 0           | 24.0                     |                          |
|                |            | 1               | 53        | 23.17 | 23.18 | 23.22 | 0           | 24.0                     |                          |
|                |            | 1               | 104       | 23.28 | 23.27 | 23.20 | 0           | 24.0                     |                          |
|                |            | 50              | 0         | 23.24 | 23.33 | 23.23 | 0           | 24.0                     |                          |
|                | 16QAM      | 50              | 28        | 23.32 | 23.35 | 23.30 | 0           | 24.0                     |                          |
|                |            | 50              | 56        | 23.16 | 23.19 | 23.15 | 0           | 24.0                     |                          |
|                |            | 100             | 0         | 23.30 | 23.33 | 23.26 | 0           | 24.0                     |                          |
|                |            | 64QAM           | 1         | 1     | 23.20 | 23.24 | 23.03       | 0                        | 24.0                     |
|                |            | 64QAM           | 1         | 1     | 21.58 | 21.79 | 21.69       | 1.5                      | 22.5                     |
|                |            | 256QAM          | 1         | 1     | 19.19 | 19.32 | 19.60       | 3.5                      | 20.5                     |
| BW<br>(MHz)    | DFT-s-OFDM | Channel         |           | 16600 | 16700 | 16700 | MPR<br>(dB) | Max.<br>Time-up          | Max.<br>Time-up          |
| 15             | QPSK       | 1               | 1         | 23.32 | 23.30 | 23.31 | 0           | 24.0                     |                          |
| BW<br>(MHz)    | DFT-s-OFDM | Channel         |           | 16600 | 16700 | 16700 | MPR<br>(dB) | Max.<br>Time-up          | Max.<br>Time-up          |
| 5              | QPSK       | 1               | 1         | 23.28 | 23.18 | 23.24 | 0           | 24.0                     |                          |
| BW<br>(MHz)    | DFT-s-OFDM | Channel         |           | 16600 | 16700 | 16700 | MPR<br>(dB) | Max.<br>Time-up          | Max.<br>Time-up          |
| 1.5            | QPSK       | 1               | 1         | 23.22 | 23.28 | 23.30 | 0           | 24.0                     |                          |

| n12 (SCS 15kHz) |            |                 |           |       |       |       |             |                          |                          |  |
|-----------------|------------|-----------------|-----------|-------|-------|-------|-------------|--------------------------|--------------------------|--|
| BW<br>(MHz)     | DFT-s-OFDM | RB Size         | RB Offset | Low   | Mid   | High  | MPR<br>(dB) | Max.<br>Time-up<br>(dBm) | Max.<br>Time-up<br>(dBm) |  |
|                 |            | Channel         |           | 14100 | 14100 | 14100 |             |                          |                          |  |
| 15              | PUSCH      | Frequency (MHz) |           | 706.5 | 707.5 | 708.5 |             |                          |                          |  |
|                 |            | 1               | 1         | 23.20 | 23.25 | 23.21 | 0           | 24.0                     |                          |  |
|                 |            | 1               | 40        | 23.14 | 23.18 | 23.17 | 0           | 24.0                     |                          |  |
|                 |            | 1               | 77        | 23.09 | 23.15 | 23.04 | 0           | 24.0                     |                          |  |
|                 |            | 36              | 0         | 23.16 | 23.16 | 23.09 | 0           | 24.0                     |                          |  |
|                 |            | 36              | 22        | 23.17 | 23.22 | 23.18 | 0           | 24.0                     |                          |  |
|                 | QPSK       | 36              | 43        | 23.14 | 23.13 | 23.10 | 0           | 24.0                     |                          |  |
|                 |            | 75              | 0         | 23.15 | 23.17 | 23.08 | 0           | 24.0                     |                          |  |
|                 |            | 1               | 1         | 23.22 | 23.27 | 23.24 | 0           | 24.0                     |                          |  |
|                 |            | 1               | 40        | 23.17 | 23.20 | 23.20 | 0           | 24.0                     |                          |  |
|                 |            | 1               | 77        | 23.12 | 23.24 | 23.22 | 0           | 24.0                     |                          |  |
|                 |            | 36              | 0         | 23.07 | 23.21 | 23.14 | 0           | 24.0                     |                          |  |
|                 | 16QAM      | 36              | 22        | 23.20 | 23.24 | 23.22 | 0           | 24.0                     |                          |  |
|                 |            | 36              | 43        | 23.18 | 23.20 | 23.13 | 0           | 24.0                     |                          |  |
|                 |            | 75              | 0         | 23.17 | 23.22 | 23.20 | 0           | 24.0                     |                          |  |
|                 |            | 64QAM           | 1         | 1     | 23.22 | 23.18 | 23.22       | 0                        | 24.0                     |  |
|                 |            | 256QAM          | 1         | 1     | 21.42 | 21.56 | 21.46       | 1.5                      | 22.5                     |  |
|                 |            | 256QAM          | 1         | 1     | 19.69 | 19.74 | 19.75       | 3.5                      | 20.5                     |  |
| BW<br>(MHz)     | DFT-s-OFDM | Channel         |           | 14000 | 14000 | 14000 | MPR<br>(dB) | Max.<br>Time-up          | Max.<br>Time-up          |  |
| 10              | QPSK       | 1               | 1         | 704   | 701.5 | 711   | 0           | 24.0                     |                          |  |
| BW<br>(MHz)     | DFT-s-OFDM | Channel         |           | 14000 | 14000 | 14000 | MPR<br>(dB) | Max.<br>Time-up          | Max.<br>Time-up          |  |
| 5               | QPSK       | 1               | 1         | 702.5 | 707.5 | 713.5 | 0           | 24.0                     |                          |  |
| 5               | QPSK       | 1               | 1         | 23.22 | 23.25 | 23.21 | 0           | 24.0                     |                          |  |

| n14 (SCS 15kHz) |            |                 |           |                 |        |        |             |                          |      |
|-----------------|------------|-----------------|-----------|-----------------|--------|--------|-------------|--------------------------|------|
| BW<br>(MHz)     | DFT-s-OFDM | RB Size         | RB Offset | Low             | Mid    | High   | MPR<br>(dB) | Max.<br>Time-up<br>(dBm) |      |
|                 |            | Channel         |           | Frequency (MHz) |        |        |             |                          |      |
| 10              | P12 BPSK   | 1               | 1         |                 | 15800  | 793    |             | 0                        | 24.0 |
|                 |            | 1               | 26        |                 | 23.12  |        | 0           | 24.0                     |      |
|                 |            | 1               | 50        |                 | 23.17  |        | 0           | 24.0                     |      |
|                 |            | 25              | 0         |                 | 23.27  |        | 0           | 24.0                     |      |
|                 |            | 25              | 14        |                 | 23.30  |        | 0           | 24.0                     |      |
|                 |            | 25              | 27        |                 | 23.33  |        | 0           | 24.0                     |      |
|                 |            | 50              | 0         |                 | 23.29  |        | 0           | 24.0                     |      |
|                 |            | 1               | 1         |                 | 23.35  |        | 0           | 24.0                     |      |
|                 |            | 1               | 26        |                 | 23.28  |        | 0           | 24.0                     |      |
|                 |            | 1               | 50        |                 | 23.34  |        | 0           | 24.0                     |      |
|                 | QPSK       | 25              | 0         |                 | 23.27  |        | 0           | 24.0                     |      |
|                 |            | 25              | 14        |                 | 23.33  |        | 0           | 24.0                     |      |
|                 |            | 25              | 27        |                 | 23.29  |        | 0           | 24.0                     |      |
|                 |            | 50              | 0         |                 | 23.30  |        | 0           | 24.0                     |      |
|                 |            | 16QAM           | 1         | 1               | 23.33  |        | 0           | 24.0                     |      |
|                 |            | 64QAM           | 1         | 1               | 21.04  |        | 1.5         | 22.5                     |      |
|                 |            | 256QAM          | 1         | 1               | 19.79  |        | 3.5         | 20.5                     |      |
|                 |            | Channel         |           | 158100          | 158000 | 159100 | MPR         | Max.                     |      |
|                 |            | Frequency (MHz) |           | 790.5           | 793    | 795.5  | (dB)        | Time-up                  |      |
|                 |            | 5               | QPSK      | 1               | 1      | 23.29  | 23.33       | 23.32                    | 0    |

| n25 (SCS 15kHz) |            |                 |           |                 |        |        |             |                          |      |  |
|-----------------|------------|-----------------|-----------|-----------------|--------|--------|-------------|--------------------------|------|--|
| BW<br>(MHz)     | DFT-s-OFDM | RB Size         | RB Offset | Low             | Mid    | High   | MPR<br>(dB) | Max.<br>Time-up<br>(dBm) |      |  |
|                 |            | Channel         |           | Frequency (MHz) |        |        |             |                          |      |  |
| 20              | P12 BPSK   | 1               | 1         |                 | 37200  | 37600  | 38100       |                          |      |  |
|                 |            | 1               | 1         |                 | 18.13  | 18.18  | 18.36       | 0                        | 19.0 |  |
|                 |            | 1               | 53        |                 | 18.06  | 18.15  | 18.05       | 0                        | 19.0 |  |
|                 |            | 1               | 104       |                 | 18.10  | 18.11  | 18.03       | 0                        | 19.0 |  |
|                 |            | 50              | 0         |                 | 17.66  | 17.55  | 17.63       | 0.5                      | 18.5 |  |
|                 |            | 50              | 28        |                 | 18.11  | 18.15  | 18.14       | 0                        | 19.0 |  |
|                 |            | 50              | 56        |                 | 17.63  | 17.49  | 17.45       | 0.5                      | 18.5 |  |
|                 |            | 100             | 0         |                 | 17.42  | 17.51  | 17.49       | 0.5                      | 18.5 |  |
|                 |            | 1               | 1         |                 | 18.15  | 18.20  | 18.18       | 0                        | 19.0 |  |
|                 |            | 1               | 53        |                 | 18.12  | 18.19  | 18.11       | 0                        | 19.0 |  |
|                 | QPSK       | 1               | 104       |                 | 18.13  | 18.16  | 18.14       | 0                        | 19.0 |  |
|                 |            | 50              | 0         |                 | 17.24  | 17.14  | 17.20       | 1                        | 18.0 |  |
|                 |            | 50              | 28        |                 | 18.11  | 18.17  | 18.16       | 0                        | 19.0 |  |
|                 |            | 50              | 56        |                 | 17.57  | 17.15  | 17.19       | 1                        | 18.0 |  |
|                 |            | 100             | 0         |                 | 17.14  | 17.20  | 17.13       | 1                        | 18.0 |  |
|                 |            | 16QAM           | 1         | 1               | 17.17  | 17.27  | 17.12       | 1                        | 18.0 |  |
|                 |            | 64QAM           | 1         | 1               | 15.62  | 15.87  | 15.79       | 2.5                      | 16.5 |  |
|                 |            | 256QAM          | 1         | 1               | 12.52  | 12.61  | 12.62       | 4.5                      | 14.5 |  |
|                 |            | Channel         |           | 371500          | 376500 | 381500 | MPR         | Max.                     |      |  |
|                 |            | Frequency (MHz) |           | 1867.5          | 1862.5 | 1867.5 | (dB)        | Time-up                  |      |  |
| 15              | QPSK       | 1               | 1         | 18.11           | 18.14  | 18.07  | 0           | 19.0                     |      |  |
|                 |            | Channel         |           | 371000          | 376000 | 381000 | MPR         | Max.                     |      |  |
| 5W<br>(MHz)     | DFT-s-OFDM | Channel         |           | 371000          | 376000 | 381000 | MPR         | Max.                     |      |  |
|                 |            | Frequency (MHz) |           | 1865            | 1862.5 | 1860   | (dB)        | Time-up                  |      |  |
| 10              | QPSK       | 1               | 1         | 18.10           | 18.16  | 18.10  | 0           | 19.0                     |      |  |
| 5W<br>(MHz)     | DFT-s-OFDM | Channel         |           | 371000          | 376000 | 381000 | MPR         | Max.                     |      |  |
|                 |            | Frequency (MHz) |           | 1862.5          | 1862.5 | 1862.5 | (dB)        | Time-up                  |      |  |
| 5               | QPSK       | 1               | 1         | 18.16           | 18.10  | 18.11  | 0           | 19.0                     |      |  |

| n30 (SCS 15kHz) |            |                 |           |                 |        |        |             |                          |      |
|-----------------|------------|-----------------|-----------|-----------------|--------|--------|-------------|--------------------------|------|
| BW<br>(MHz)     | DFT-s-OFDM | RB Size         | RB Offset | Low             | Mid    | High   | MPR<br>(dB) | Max.<br>Time-up<br>(dBm) |      |
|                 |            | Channel         |           | Frequency (MHz) |        |        |             |                          |      |
| 10              | P12 BPSK   | 1               | 1         |                 | 48200  | 2312   |             | 0                        | 16.5 |
|                 |            | 1               | 1         |                 | 15.76  |        | 0           | 16.5                     |      |
|                 |            | 1               | 26        |                 | 15.70  |        | 0           | 16.5                     |      |
|                 |            | 1               | 50        |                 | 15.69  |        | 0           | 16.5                     |      |
|                 |            | 25              | 0         |                 | 15.30  |        | 0.5         | 16.0                     |      |
|                 |            | 25              | 14        |                 | 15.70  |        | 0           | 16.5                     |      |
|                 |            | 25              | 27        |                 | 15.29  |        | 0.5         | 16.0                     |      |
|                 |            | 50              | 0         |                 | 15.19  |        | 0.5         | 16.0                     |      |
|                 |            | 1               | 1         |                 | 15.90  |        | 0           | 16.5                     |      |
|                 |            | 1               | 26        |                 | 15.79  |        | 0           | 16.5                     |      |
|                 | QPSK       | 1               | 50        |                 | 15.71  |        | 0           | 16.5                     |      |
|                 |            | 25              | 0         |                 | 14.80  |        | 1           | 15.5                     |      |
|                 |            | 25              | 14        |                 | 15.78  |        | 0           | 16.5                     |      |
|                 |            | 25              | 27        |                 | 14.80  |        | 1           | 15.5                     |      |
|                 |            | 50              | 0         |                 | 14.75  |        | 1           | 15.5                     |      |
|                 |            | 16QAM           | 1         | 1               | 14.83  |        | 1           | 15.5                     |      |
|                 |            | 64QAM           | 1         | 1               | 13.17  |        | 2.5         | 14.0                     |      |
|                 |            | 256QAM          | 1         | 1               | 11.35  |        | 4.5         | 12.0                     |      |
|                 |            | Channel         |           | 481000          | 482000 | 482000 | MPR         | Max.                     |      |
|                 |            | Frequency (MHz) |           | 2307.5          | 2312   | 2312.5 | (dB)        | Time-up                  |      |
| BW<br>(MHz)     | DFT-s-OFDM | 1               | 1         | 15.74           | 15.59  | 15.71  | 0           | 16.5                     |      |

| n66 (SCS 15kHz) |            |         |           |                 |        |       |        |             |                          |
|-----------------|------------|---------|-----------|-----------------|--------|-------|--------|-------------|--------------------------|
| BW<br>[MHz]     | DFT-s-OFDM | RB Size | RB Offset | Low             |        |       | High   | MPR<br>[dB] | Max.<br>Time-up<br>[dBm] |
|                 |            |         |           | Channel         | 34400  | 34800 | 35400  |             |                          |
| 20              | P-V2 BPSK  |         |           | Frequency [MHz] | 1729   | 1745  | 1770   | 0           | 18.0                     |
|                 |            |         |           | 1               | 1      | 16.82 | 16.79  |             |                          |
|                 |            |         |           | 1               | 53     | 16.80 | 16.68  |             |                          |
|                 |            |         |           | 1               | 104    | 16.68 | 16.75  |             |                          |
|                 |            |         |           | 50              | 0      | 16.32 | 16.22  |             |                          |
|                 |            |         |           | 50              | 28     | 16.80 | 16.76  |             |                          |
|                 |            |         |           | 50              | 56     | 16.28 | 16.29  |             |                          |
|                 |            |         |           | 100             | 0      | 16.30 | 16.24  |             |                          |
|                 |            |         |           | 1               | 1      | 16.86 | 16.80  |             |                          |
|                 | QPSK       |         |           | 1               | 53     | 16.78 | 16.74  | 0           | 18.0                     |
|                 |            |         |           | 1               | 104    | 16.69 | 16.69  |             |                          |
|                 |            |         |           | 50              | 0      | 16.90 | 16.94  |             |                          |
|                 |            |         |           | 50              | 28     | 16.83 | 16.78  |             |                          |
|                 |            |         |           | 50              | 56     | 16.89 | 16.90  |             |                          |
|                 |            |         |           | 100             | 0      | 16.85 | 16.82  |             |                          |
|                 |            |         |           | 16QAM           | 1      | 1     | 15.85  |             |                          |
|                 |            |         |           | 64QAM           | 1      | 1     | 14.35  |             |                          |
|                 |            |         |           | 256QAM          | 1      | 1     | 12.35  |             |                          |
| BW<br>[MHz]     | DFT-s-OFDM | Channel |           | 34200           |        |       | 34800  | MPR<br>[dB] | Max.<br>Time-up          |
|                 |            |         |           | Frequency [MHz] | 1717.5 | 1745  | 1772.5 |             |                          |
| 15              | QPSK       | 1       | 1         | 16.74           | 16.70  | 16.78 | 0      | 18.0        |                          |
| BW<br>[MHz]     | DFT-s-OFDM | Channel |           | 34200           |        |       | 34800  | MPR<br>[dB] | Max.<br>Time-up          |
|                 |            |         |           | Frequency [MHz] | 1735   | 1745  | 1775   |             |                          |
| 10              | QPSK       | 1       | 1         | 16.75           | 16.64  | 16.83 | 0      | 18.0        |                          |
| BW<br>[MHz]     | DFT-s-OFDM | Channel |           | 34200           |        |       | 34800  | MPR<br>[dB] | Max.<br>Time-up          |
|                 |            |         |           | Frequency [MHz] | 1722.5 | 1745  | 1777.5 |             |                          |
| 5               | QPSK       | 1       | 1         | 16.84           | 16.79  | 16.89 | 0      | 18.0        |                          |

| n71 (SCS 15kHz) |            |         |           |                 |        |        |        |             |                          |
|-----------------|------------|---------|-----------|-----------------|--------|--------|--------|-------------|--------------------------|
| BW<br>[MHz]     | DFT-s-OFDM | RB Size | RB Offset | Low             |        |        | High   | MPR<br>[dB] | Max.<br>Time-up<br>[dBm] |
|                 |            |         |           | Channel         | 134600 | 136100 | 137600 |             |                          |
| 20              | P-V2 BPSK  |         |           | Frequency [MHz] | 673    | 688.5  | 698    | 0           | 24.0                     |
|                 |            |         |           | 1               | 1      | 23.09  | 23.18  |             |                          |
|                 |            |         |           | 1               | 53     | 22.98  | 23.10  |             |                          |
|                 |            |         |           | 1               | 104    | 23.05  | 23.01  |             |                          |
|                 |            |         |           | 50              | 0      | 23.06  | 23.15  |             |                          |
|                 |            |         |           | 50              | 28     | 23.07  | 23.17  |             |                          |
|                 |            |         |           | 50              | 56     | 23.02  | 23.04  |             |                          |
|                 |            |         |           | 100             | 0      | 23.00  | 23.12  |             |                          |
|                 | QPSK       |         |           | 1               | 1      | 23.14  | 23.20  |             |                          |
|                 |            |         |           | 1               | 53     | 23.04  | 23.12  |             |                          |
|                 |            |         |           | 1               | 104    | 23.12  | 23.15  |             |                          |
|                 |            |         |           | 50              | 0      | 23.05  | 23.12  |             |                          |
|                 |            |         |           | 50              | 28     | 23.10  | 23.17  |             |                          |
|                 |            |         |           | 50              | 56     | 23.03  | 23.13  |             |                          |
|                 |            |         |           | 100             | 0      | 23.07  | 23.13  |             |                          |
|                 |            |         |           | 16QAM           | 1      | 1      | 22.60  |             |                          |
|                 |            |         |           | 64QAM           | 1      | 1      | 20.93  |             |                          |
|                 |            |         |           | 256QAM          | 1      | 1      | 18.95  |             |                          |
| BW<br>[MHz]     | DFT-s-OFDM | Channel |           | 134100          |        |        | 136100 | MPR<br>[dB] | Max.<br>Time-up          |
|                 |            |         |           | Frequency [MHz] | 676.5  | 688.5  | 698.5  |             |                          |
| 15              | QPSK       | 1       | 1         | 23.15           | 23.05  | 23.12  | 0      | 24.0        |                          |
| BW<br>[MHz]     | DFT-s-OFDM | Channel |           | 133600          |        |        | 136100 | MPR<br>[dB] | Max.<br>Time-up          |
|                 |            |         |           | Frequency [MHz] | 668    | 688.5  | 693    |             |                          |
| 10              | QPSK       | 1       | 1         | 23.08           | 23.14  | 23.05  | 0      | 24.0        |                          |
| BW<br>[MHz]     | DFT-s-OFDM | Channel |           | 133100          |        |        | 136100 | MPR<br>[dB] | Max.<br>Time-up          |
|                 |            |         |           | Frequency [MHz] | 663.5  | 688.5  | 693.5  |             |                          |
| 5               | QPSK       | 1       | 1         | 23.14           | 23.13  | 23.10  | 0      | 24.0        |                          |



<Sensor on Power For NR Redcap Mode>

| n2 (SCS 15kHz) |            |                 |           |       |       |       |           |                    |                    |      |
|----------------|------------|-----------------|-----------|-------|-------|-------|-----------|--------------------|--------------------|------|
| BW (MHz)       | DFT-s-OFDM | RB Size         | RB Offset | Low   | Mid   | High  | MPR (MHz) | Max. Time-up (dBm) | Max. Time-up (dBm) |      |
|                |            | Channel         |           | 37200 | 37600 | 38000 |           |                    |                    |      |
| 20             | PUSCH      | Frequency (MHz) |           | 1860  | 1880  | 1900  | 0         | 19.0               |                    |      |
|                |            | 1               | 1         | 17.90 | 18.00 | 18.08 | 0         | 19.0               |                    |      |
|                |            | 1               | 53        | 17.97 | 18.05 | 17.89 | 0         | 19.0               |                    |      |
|                |            | 1               | 104       | 18.05 | 18.03 | 17.99 | 0         | 19.0               |                    |      |
|                |            | 50              | 0         | 17.62 | 17.44 | 17.55 | 0.5       | 18.5               |                    |      |
|                |            | 50              | 28        | 17.85 | 17.59 | 18.04 | 0         | 19.0               |                    |      |
|                |            | 50              | 56        | 17.48 | 17.53 | 17.61 | 0.5       | 18.5               |                    |      |
|                |            | 100             | 0         | 17.35 | 17.43 | 17.40 | 0.5       | 18.5               |                    |      |
|                |            | 1               | 1         | 18.03 | 18.13 | 18.05 | 0         | 19.0               |                    |      |
|                |            | 1               | 53        | 17.95 | 18.02 | 17.94 | 0         | 19.0               |                    |      |
|                | QPSK       | Frequency (MHz) |           | 1     | 104   | 17.93 | 18.08     | 18.00              | 0                  | 19.0 |
|                |            | 50              | 0         | 17.00 | 16.87 | 16.95 | 1         | 18.0               |                    |      |
|                |            | 50              | 28        | 18.00 | 18.11 | 18.02 | 0         | 19.0               |                    |      |
|                |            | 50              | 56        | 16.36 | 16.35 | 17.11 | 1         | 18.0               |                    |      |
|                |            | 100             | 0         | 16.94 | 17.01 | 16.96 | 1         | 18.0               |                    |      |
|                |            | 16QAM           | 1         | 1     | 17.01 | 17.19 | 17.13     | 1                  | 18.0               |      |
|                |            | 64QAM           | 1         | 1     | 15.60 | 15.78 | 15.71     | 2.5                | 16.5               |      |
|                |            | 256QAM          | 1         | 1     | 13.16 | 13.29 | 13.08     | 4.5                | 14.5               |      |
|                | BW (MHz)   | DFT-s-OFDM      | Channel   | 37200 | 37600 | 38000 | MPR (MHz) | Max. Time-up (dBm) |                    |      |
|                | 15         | QPSK            | 1         | 1     | 18.07 | 18.00 | 18.00     | 0                  | 19.0               |      |
|                | BW (MHz)   | DFT-s-OFDM      | Channel   | 37200 | 37600 | 38000 | MPR (MHz) | Max. Time-up (dBm) |                    |      |
|                | 5          | QPSK            | 1         | 1     | 18.03 | 18.13 | 18.00     | 0                  | 19.0               |      |
|                | BW (MHz)   | DFT-s-OFDM      | Channel   | 37200 | 37600 | 38000 | MPR (MHz) | Max. Time-up (dBm) |                    |      |
|                | 5          | QPSK            | 1         | 1     | 18.05 | 18.04 | 18.00     | 0                  | 19.0               |      |

| n5 (SCS 15kHz) |             |                 |           |       |       |       |              |                          |                          |  |
|----------------|-------------|-----------------|-----------|-------|-------|-------|--------------|--------------------------|--------------------------|--|
| BW<br>(MHz)    | DFT-s-OFDM  | RB Size         | RB Offset | Low   | Mid   | High  | MPR<br>(MHz) | Max.<br>Time-up<br>(dBm) | Max.<br>Time-up<br>(dBm) |  |
|                |             | Channel         |           | 16680 | 16700 | 16700 |              |                          |                          |  |
| 20             | PUSCH       | Frequency (MHz) |           | 834   | 834.5 | 834   | 0            | 24.0                     |                          |  |
|                |             | 1               | 1         | 23.29 | 23.27 | 23.19 | 0            | 24.0                     |                          |  |
|                |             | 1               | 53        | 23.99 | 23.29 | 23.02 | 0            | 24.0                     |                          |  |
|                |             | 1               | 104       | 23.15 | 23.15 | 23.19 | 0            | 24.0                     |                          |  |
|                |             | 50              | 0         | 22.82 | 23.16 | 22.82 | 0            | 24.0                     |                          |  |
|                |             | 50              | 28        | 23.00 | 23.23 | 23.08 | 0            | 24.0                     |                          |  |
|                |             | 50              | 56        | 22.81 | 23.09 | 22.83 | 0            | 24.0                     |                          |  |
|                |             | 100             | 0         | 23.20 | 23.25 | 22.98 | 0            | 24.0                     |                          |  |
|                |             | 1               | 1         | 23.25 | 23.35 | 23.20 | 0            | 24.0                     |                          |  |
|                |             | 1               | 53        | 23.02 | 23.10 | 23.01 | 0            | 24.0                     |                          |  |
|                | QPSK        | Frequency (MHz) |           | 104   | 23.19 | 23.18 | 23.11        | 0                        | 24.0                     |  |
|                |             | 50              | 0         | 23.13 | 23.29 | 23.08 | 0            | 24.0                     |                          |  |
|                |             | 50              | 28        | 23.22 | 23.33 | 23.18 | 0            | 24.0                     |                          |  |
|                |             | 50              | 56        | 23.00 | 23.15 | 23.04 | 0            | 24.0                     |                          |  |
|                |             | 100             | 0         | 23.20 | 23.30 | 23.11 | 0            | 24.0                     |                          |  |
|                |             | 16QAM           | 1         | 1     | 23.12 | 23.19 | 23.02        | 0                        | 24.0                     |  |
|                |             | 64QAM           | 1         | 1     | 21.42 | 21.75 | 21.49        | 1.5                      | 22.5                     |  |
|                |             | 256QAM          | 1         | 1     | 19.61 | 19.67 | 19.62        | 3.5                      | 20.5                     |  |
|                | BW<br>(MHz) | DFT-s-OFDM      | Channel   | 16680 | 16700 | 16700 | MPR<br>(MHz) | Max.<br>Time-up<br>(dBm) |                          |  |
|                | 15          | QPSK            | 1         | 1     | 23.32 | 23.21 | 23.09        | 0                        | 24.0                     |  |
|                | BW<br>(MHz) | DFT-s-OFDM      | Channel   | 16680 | 16700 | 16700 | MPR<br>(MHz) | Max.<br>Time-up<br>(dBm) |                          |  |
|                | 5           | QPSK            | 1         | 1     | 23.18 | 23.17 | 23.13        | 0                        | 24.0                     |  |
|                | BW<br>(MHz) | DFT-s-OFDM      | Channel   | 16680 | 16700 | 16700 | MPR<br>(MHz) | Max.<br>Time-up<br>(dBm) |                          |  |
|                | 1.5         | QPSK            | 1         | 1     | 23.12 | 23.12 | 23.29        | 0                        | 24.0                     |  |

| n12 (SCS 15kHz) |                 |                 |           |        |        |           |                    |                          |                          |      |
|-----------------|-----------------|-----------------|-----------|--------|--------|-----------|--------------------|--------------------------|--------------------------|------|
| BW<br>(MHz)     | DFT-s-OFDM      | RB Size         | RB Offset | Low    | Mid    | High      | MPR<br>(MHz)       | Max.<br>Time-up<br>(dBm) | Max.<br>Time-up<br>(dBm) |      |
|                 |                 | Channel         |           | 141300 | 141300 | 141300    |                    |                          |                          |      |
| 15              | PUSCH           | Frequency (MHz) |           |        | 706.5  | 707.5     | 706.5              | 0                        | 24.0                     |      |
|                 |                 | 1               | 1         | 23.04  | 23.11  | 23.19     | 0                  | 24.0                     |                          |      |
|                 |                 | 1               | 40        | 23.00  | 23.11  | 23.07     | 0                  | 24.0                     |                          |      |
|                 |                 | 1               | 77        | 23.06  | 22.96  | 22.93     | 0                  | 24.0                     |                          |      |
|                 |                 | 36              | 0         | 23.02  | 23.02  | 23.05     | 0                  | 24.0                     |                          |      |
|                 |                 | 36              | 22        | 23.13  | 23.01  | 22.98     | 0                  | 24.0                     |                          |      |
|                 |                 | 36              | 43        | 22.96  | 23.03  | 23.05     | 0                  | 24.0                     |                          |      |
|                 |                 | 75              | 0         | 23.00  | 23.17  | 23.06     | 0                  | 24.0                     |                          |      |
|                 |                 | 1               | 1         | 23.13  | 23.24  | 23.16     | 0                  | 24.0                     |                          |      |
|                 |                 | 1               | 40        | 23.10  | 23.04  | 23.02     | 0                  | 24.0                     |                          |      |
|                 | QPSK            | Frequency (MHz) |           | 1      | 77     | 22.94     | 23.19              | 23.11                    | 0                        | 24.0 |
|                 |                 | 36              | 0         | 22.89  | 23.20  | 23.03     | 0                  | 24.0                     |                          |      |
|                 |                 | 36              | 22        | 23.11  | 23.21  | 23.15     | 0                  | 24.0                     |                          |      |
|                 |                 | 36              | 43        | 23.10  | 23.18  | 23.11     | 0                  | 24.0                     |                          |      |
|                 |                 | 75              | 0         | 23.17  | 23.20  | 23.12     | 0                  | 24.0                     |                          |      |
| 16QAM           | 1               | 1               | 23.05     | 23.13  | 23.11  | 0         | 24.0               |                          |                          |      |
|                 | 64QAM           | 1               | 1         | 21.28  | 21.37  | 21.26     | 1.5                | 22.5                     |                          |      |
|                 | 256QAM          | 1               | 1         | 19.62  | 19.65  | 19.61     | 3.5                | 20.5                     |                          |      |
| BWP (MHz)       | DFT-s-OFDM      | Channel         | 140800    | 140800 | 140800 | MPR (MHz) | Max. Time-up (dBm) |                          |                          |      |
|                 | Frequency (MHz) |                 |           | 704    | 705.5  | 711       | 0                  | 24.0                     |                          |      |
| 10              | QPSK            | 1               | 1         | 23.05  | 23.10  | 23.12     | 0                  | 24.0                     |                          |      |
| BWP (MHz)       | DFT-s-OFDM      | Channel         | 140800    | 140800 | 140800 | MPR (MHz) | Max. Time-up (dBm) |                          |                          |      |
|                 | Frequency (MHz) |                 |           | 704    | 705    | 713       | 0                  | 24.0                     |                          |      |
| 5               | QPSK            | 1               | 1         | 23.19  | 23.07  | 23.22     | 0                  | 24.0                     |                          |      |

| n14 (SCS 15kHz) |            |                 |           |                 |        |        |             |                          |      |      |
|-----------------|------------|-----------------|-----------|-----------------|--------|--------|-------------|--------------------------|------|------|
| BW<br>[MHz]     | DFT-s-OFDM | RB Size         | RB Offset | Low             | Mid    | High   | MPR<br>(dB) | Max.<br>Time-up<br>[dBm] |      |      |
|                 |            | Channel         |           | Frequency [MHz] |        |        |             |                          |      |      |
| 10              | P12 BPSK   | Frequency [MHz] |           | 793             | 793    |        | 0           | 24.0                     |      |      |
|                 |            | 1               | 26        |                 | 23.11  |        | 0           | 24.0                     |      |      |
|                 |            | 1               | 50        |                 | 23.00  |        | 0           | 24.0                     |      |      |
|                 |            | 25              | 0         |                 | 23.07  |        | 0           | 24.0                     |      |      |
|                 |            | 25              | 14        |                 | 23.11  |        | 0           | 24.0                     |      |      |
|                 |            | 25              | 27        |                 | 23.07  |        | 0           | 24.0                     |      |      |
|                 |            | 50              | 0         |                 | 23.20  |        | 0           | 24.0                     |      |      |
|                 |            | 1               | 1         |                 | 23.25  |        | 0           | 24.0                     |      |      |
|                 |            | 1               | 26        |                 | 23.13  |        | 0           | 24.0                     |      |      |
|                 |            | 1               | 50        |                 | 23.17  |        | 0           | 24.0                     |      |      |
|                 | QPSK       | 25              | 0         |                 | 23.07  |        | 0           | 24.0                     |      |      |
|                 |            | 25              | 14        |                 | 23.30  |        | 0           | 24.0                     |      |      |
|                 |            | 25              | 27        |                 | 23.29  |        | 0           | 24.0                     |      |      |
|                 |            | 50              | 0         |                 | 23.26  |        | 0           | 24.0                     |      |      |
|                 |            | 16QAM           | 1         | 1               |        | 23.21  |             | 0                        | 24.0 |      |
|                 |            | 64QAM           | 1         | 1               |        | 21.68  |             | 1.5                      | 22.5 |      |
|                 |            | 256QAM          | 1         | 1               |        | 19.76  |             | 3.5                      | 20.5 |      |
|                 |            | Channel         |           | 158100          | 158000 | 159100 | MPR         | Max.                     |      |      |
|                 |            | Frequency [MHz] |           | 790.5           | 793    | 795.5  | [dB]        | Time-up                  |      |      |
|                 |            | 5               | QPSK      | 1               | 1      | 23.18  | 23.23       | 23.25                    | 0    | 24.0 |

| n25 (SCS 15kHz) |            |                 |           |                 |        |                 |             |                          |      |      |
|-----------------|------------|-----------------|-----------|-----------------|--------|-----------------|-------------|--------------------------|------|------|
| BW<br>[MHz]     | DFT-s-OFDM | RB Size         | RB Offset | Low             | Mid    | High            | MPR<br>[dB] | Max.<br>Time-up<br>[dBm] |      |      |
|                 |            | Channel         |           | Frequency [MHz] |        | Frequency [MHz] |             |                          |      |      |
| 20              | P12 BPSK   | 1               | 1         |                 | 37200  | 1860            |             | 0                        | 19.0 |      |
|                 |            | 1               | 50        |                 | 18.00  | 18.14           | 17.97       | 0                        | 19.0 |      |
|                 |            | 1               | 104       |                 | 17.92  | 18.06           | 17.91       | 0                        | 19.0 |      |
|                 |            | 1               | 104       |                 | 18.01  | 18.04           | 18.03       | 0                        | 19.0 |      |
|                 |            | 50              | 0         |                 | 17.51  | 17.39           | 17.49       | 0.5                      | 18.5 |      |
|                 |            | 50              | 28        |                 | 18.00  | 18.03           | 18.03       | 0                        | 19.0 |      |
|                 |            | 50              | 56        |                 | 17.41  | 17.44           | 17.25       | 0.5                      | 18.5 |      |
|                 |            | 100             | 0         |                 | 17.27  | 17.41           | 17.39       | 0.5                      | 18.5 |      |
|                 |            | 1               | 1         |                 | 18.10  | 18.16           | 18.12       | 0                        | 19.0 |      |
|                 |            | 1               | 50        |                 | 18.01  | 18.06           | 17.91       | 0                        | 19.0 |      |
|                 | QPSK       | 1               | 104       |                 | 18.08  | 17.96           | 18.07       | 0                        | 19.0 |      |
|                 |            | 50              | 0         |                 | 17.16  | 17.04           | 17.21       | 1                        | 18.0 |      |
|                 |            | 50              | 28        |                 | 18.03  | 18.13           | 18.08       | 0                        | 19.0 |      |
|                 |            | 50              | 56        |                 | 16.95  | 17.06           | 17.13       | 1                        | 18.0 |      |
|                 |            | 100             | 0         |                 | 16.98  | 17.16           | 16.96       | 1                        | 18.0 |      |
|                 |            | 16QAM           | 1         | 1               |        | 17.06           | 17.26       | 17.04                    | 1    | 18.0 |
|                 |            | 64QAM           | 1         | 1               |        | 15.48           | 15.79       | 15.66                    | 2.5  | 16.5 |
|                 |            | 256QAM          | 1         | 1               |        | 13.23           | 13.43       | 13.30                    | 4.5  | 14.5 |
|                 |            | Channel         |           | 371500          | 371500 | 381500          | MPR         | Max.                     |      |      |
|                 |            | Frequency [MHz] |           | 1857.5          | 1862.5 | 1897.5          | [dB]        | Time-up                  |      |      |
| 15              | QPSK       | 1               | 1         |                 | 18.07  | 18.14           | 18.05       | 0                        | 19.0 |      |
| 5               | QPSK       | Channel         |           | 371000          | 371000 | 381000          | MPR         | Max.                     |      |      |
|                 |            | Frequency [MHz] |           | 1855            | 1862.5 | 1910            | [dB]        | Time-up                  |      |      |
| 10              | QPSK       | 1               | 1         |                 | 18.07  | 18.07           | 18.15       | 0                        | 19.0 |      |
| 5               | QPSK       | Channel         |           | 371000          | 371000 | 381000          | MPR         | Max.                     |      |      |
|                 |            | Frequency [MHz] |           | 1862.5          | 1862.5 | 1912.5          | [dB]        | Time-up                  |      |      |
| 5               | QPSK       | 1               | 1         |                 | 17.98  | 17.97           | 18.07       | 0                        | 19.0 |      |

| n30 (SCS 15kHz) |             |                 |                 |                 |        |        |             |                          |         |      |
|-----------------|-------------|-----------------|-----------------|-----------------|--------|--------|-------------|--------------------------|---------|------|
| BW<br>[MHz]     | DFT-s-OFDM  | RB Size         | RB Offset       | Low             | Mid    | High   | MPR<br>[dB] | Max.<br>Time-up<br>[dBm] |         |      |
|                 |             | Channel         |                 | Frequency [MHz] |        |        |             |                          |         |      |
| 10              | P12 BPSK    | Frequency [MHz] |                 | 48200           | 2310   |        |             |                          |         |      |
|                 |             | 1               | 1               | 15.76           | 0      | 16.5   |             |                          |         |      |
|                 |             | 1               | 26              | 15.56           | 0      | 16.5   |             |                          |         |      |
|                 |             | 1               | 50              | 15.77           | 0      | 16.5   |             |                          |         |      |
|                 |             | 25              | 0               | 15.16           | 0.5    | 16.0   |             |                          |         |      |
|                 |             | 25              | 14              | 15.69           | 0      | 16.5   |             |                          |         |      |
|                 |             | 25              | 27              | 14.96           | 0.5    | 16.0   |             |                          |         |      |
|                 |             | 50              | 0               | 15.30           | 0.5    | 16.0   |             |                          |         |      |
|                 |             | 1               | 1               | 15.78           | 0      | 16.5   |             |                          |         |      |
|                 | QPSK        | 1               | 26              | 15.51           | 0      | 16.5   |             |                          |         |      |
|                 |             | 1               | 50              | 15.65           | 0      | 16.5   |             |                          |         |      |
|                 |             | 25              | 0               | 14.73           | 1      | 15.5   |             |                          |         |      |
|                 |             | 25              | 14              | 15.75           | 0      | 16.5   |             |                          |         |      |
|                 |             | 25              | 27              | 14.91           | 1      | 15.5   |             |                          |         |      |
|                 |             | 50              | 0               | 14.83           | 1      | 15.5   |             |                          |         |      |
|                 | 16QAM       | 1               | 1               | 14.57           | 1      | 15.5   |             |                          |         |      |
|                 |             | 64QAM           | 1               | 1               | 13.12  | 2.5    | 14.0        |                          |         |      |
|                 |             | 256QAM          | 1               | 1               | 11.97  | 4.5    | 12.0        |                          |         |      |
|                 | BW<br>[MHz] | DFT-s-OFDM      | Channel         |                 | 481000 | 482000 | 482000      | MPR                      | Max.    |      |
|                 |             |                 | Frequency [MHz] |                 | 2307.5 | 2310   | 2312.5      | [dB]                     | Time-up |      |
| 5               |             |                 | QPSK            | 1               | 1      | 15.59  | 15.54       | 15.60                    | 0       | 16.5 |

| n58 (SCS 30kHz) |                 |                 |           |        |       |        |              |                          |      |  |
|-----------------|-----------------|-----------------|-----------|--------|-------|--------|--------------|--------------------------|------|--|
| BW<br>(MHz)     | DFT-s-OFDM      | RB size         | RB Offset | Low    | Mid   | High   | MPR<br>(MHz) | Max.<br>Time-up<br>(dBm) |      |  |
|                 |                 | Channel         |           | 51800  | 51900 | 52000  |              |                          |      |  |
| 20              | PUSC            | Frequency (MHz) |           | 2580   | 2595  | 2610   |              |                          |      |  |
|                 |                 | 1               | 1         | 14.90  | 14.94 | 15.01  | 0            | 16.0                     |      |  |
|                 |                 | 1               | 26        | 14.14  | 14.91 | 14.88  | 0            | 16.0                     |      |  |
|                 |                 | 1               | 49        | 14.89  | 14.76 | 14.90  | 0            | 16.0                     |      |  |
|                 |                 | 25              | 0         | 14.62  | 14.80 | 14.90  | 0            | 16.0                     |      |  |
|                 |                 | 25              | 13        | 14.87  | 14.91 | 14.98  | 0            | 16.0                     |      |  |
|                 |                 | 25              | 26        | 14.80  | 14.83 | 14.88  | 0            | 16.0                     |      |  |
|                 |                 | 50              | 0         | 14.84  | 14.87 | 14.95  | 0            | 16.0                     |      |  |
|                 |                 | 1               | 1         | 14.93  | 14.96 | 15.04  | 0            | 16.0                     |      |  |
|                 |                 | 1               | 26        | 14.80  | 14.86 | 15.01  | 0            | 16.0                     |      |  |
|                 | QPSK            | 1               | 49        | 14.87  | 14.90 | 14.93  | 0            | 16.0                     |      |  |
|                 |                 | 25              | 0         | 14.86  | 14.78 | 14.94  | 0            | 16.0                     |      |  |
|                 |                 | 25              | 13        | 14.91  | 14.93 | 15.01  | 0            | 16.0                     |      |  |
|                 |                 | 25              | 26        | 14.87  | 14.88 | 14.93  | 0            | 16.0                     |      |  |
|                 |                 | 50              | 0         | 14.88  | 14.90 | 15.00  | 0            | 16.0                     |      |  |
|                 |                 | 16QAM           | 1         | 1      | 14.88 | 14.93  | 14.97        | 0                        | 16.0 |  |
|                 |                 | 64QAM           | 1         | 1      | 14.90 | 14.93  | 14.90        | 0                        | 16.0 |  |
|                 |                 | 256QAM          | 1         | 1      | 14.91 | 14.91  | 14.97        | 0                        | 16.0 |  |
|                 |                 | Channel         |           | 52000  | 51900 | 52200  | MPR<br>(MHz) | Max.<br>Time-up          |      |  |
|                 |                 | Frequency (MHz) |           | 2577.5 | 2595  | 2612.5 | (MHz)        |                          |      |  |
| 15              | QPSK            | 1               | 1         | 14.76  | 14.88 | 14.97  | 0            | 16.0                     |      |  |
| 10              | DFT-s-OFDM      | Channel         |           | 52000  | 51900 | 52300  | MPR<br>(MHz) | Max.<br>Time-up          |      |  |
|                 | Frequency (MHz) |                 | 2579      | 2595   | 2615  | (MHz)  |              |                          |      |  |
| 10              | QPSK            | 1               | 1         | 14.91  | 14.83 | 14.95  | 0            | 16.0                     |      |  |

| n41 (SCS 30MHz) |            |                 |           |         |         |         |              |                 |      |  |
|-----------------|------------|-----------------|-----------|---------|---------|---------|--------------|-----------------|------|--|
| BW<br>(MHz)     | DFT-s-OFDM | RB Size         | RB Offset | Low     | Mid     | High    | MPR<br>(MHz) | Max.<br>Time-up |      |  |
|                 |            | Channel         |           | 56124   | 51898   | 53098   |              |                 |      |  |
| 20              | PUSC       | Frequency (MHz) |           | 2584.02 | 2592.99 | 2679.99 |              |                 |      |  |
|                 |            | 1               | 1         | 15.03   | 15.08   | 15.05   | 0            | 16.0            |      |  |
|                 |            | 1               | 26        | 15.00   | 15.07   | 15.01   | 0            | 16.0            |      |  |
|                 |            | 1               | 49        | 14.86   | 14.96   | 14.98   | 0            | 16.0            |      |  |
|                 |            | 25              | 0         | 14.92   | 14.98   | 14.92   | 0            | 16.0            |      |  |
|                 |            | 25              | 13        | 15.00   | 15.06   | 15.03   | 0            | 16.0            |      |  |
|                 |            | 25              | 26        | 14.86   | 15.03   | 14.81   | 0            | 16.0            |      |  |
|                 |            | 50              | 0         | 14.99   | 15.03   | 15.00   | 0            | 16.0            |      |  |
|                 |            | 1               | 1         | 15.05   | 15.10   | 15.06   | 0            | 16.0            |      |  |
|                 |            | 1               | 26        | 15.02   | 15.06   | 14.92   | 0            | 16.0            |      |  |
|                 | QPSK       | 1               | 49        | 14.95   | 14.98   | 14.97   | 0            | 16.0            |      |  |
|                 |            | 25              | 0         | 15.00   | 15.00   | 14.93   | 0            | 16.0            |      |  |
|                 |            | 25              | 13        | 15.02   | 15.08   | 15.04   | 0            | 16.0            |      |  |
|                 |            | 25              | 26        | 14.97   | 15.03   | 14.92   | 0            | 16.0            |      |  |
|                 |            | 50              | 0         | 15.00   | 15.06   | 15.02   | 0            | 16.0            |      |  |
|                 |            | 16QAM           | 1         | 1       | 14.85   | 14.92   | 14.93        | 0               | 16.0 |  |
|                 |            | 64QAM           | 1         | 1       | 14.54   | 14.99   | 14.48        | 0.5             | 15.5 |  |
|                 |            | 256QAM          | 1         | 1       | 12.31   | 12.35   | 12.30        | 2.5             | 13.5 |  |
|                 |            | Channel         |           | 50970   | 51898   | 52048   | MPR<br>(MHz) | Max.<br>Time-up |      |  |
|                 |            | Frequency (MHz) |           | 2583.5  | 2592.99 | 2682.48 | (MHz)        |                 |      |  |
| 15              | QPSK       | 1               | 1         | 15.04   | 15.08   | 14.93   | 0            | 16.0            |      |  |
| BW<br>(MHz)     | DFT-s-OFDM | Channel         |           | 52000   | 51898   | 52700   | MPR<br>(MHz) | Max.<br>Time-up |      |  |
| 10              | QPSK       | 1               | 1         | 14.93   | 15.04   | 15.02   | 0            | 16.0            |      |  |

| n66 (SCS 15kHz) |            |                 |           |        |       |        |              |                          |      |  |
|-----------------|------------|-----------------|-----------|--------|-------|--------|--------------|--------------------------|------|--|
| BW<br>(MHz)     | DFT-s-OFDM | RB Size         | RB Offset | Low    | Mid   | High   | MPR<br>(dB)  | Max.<br>Time-up<br>(dBm) |      |  |
|                 |            | Channel         |           | 34000  | 34000 | 34000  |              |                          |      |  |
| 20              | PUSC       | Frequency (MHz) |           | 1720   | 1746  | 1779   |              |                          |      |  |
|                 |            | 1               | 1         | 16.83  | 16.85 | 16.73  | 0            | 18.0                     |      |  |
|                 |            | 1               | 53        | 16.70  | 16.52 | 16.80  | 0            | 18.0                     |      |  |
|                 |            | 1               | 104       | 16.49  | 16.56 | 16.93  | 0            | 18.0                     |      |  |
|                 |            | 50              | 0         | 16.21  | 16.14 | 16.23  | 0.5          | 17.5                     |      |  |
|                 |            | 50              | 28        | 16.74  | 16.67 | 16.87  | 0            | 18.0                     |      |  |
|                 |            | 50              | 56        | 16.13  | 16.28 | 16.22  | 0.5          | 17.5                     |      |  |
|                 |            | 100             | 0         | 16.29  | 16.11 | 16.31  | 0.5          | 17.5                     |      |  |
|                 |            | 1               | 1         | 16.82  | 16.74 | 16.90  | 0            | 18.0                     |      |  |
|                 |            | 1               | 53        | 16.62  | 16.66 | 16.71  | 0            | 18.0                     |      |  |
|                 | QPSK       | 1               | 104       | 16.51  | 16.64 | 16.89  | 0            | 18.0                     |      |  |
|                 |            | 50              | 0         | 16.89  | 16.74 | 16.91  | 1            | 17.0                     |      |  |
|                 |            | 50              | 28        | 16.80  | 16.69 | 16.87  | 0            | 18.0                     |      |  |
|                 |            | 50              | 56        | 16.77  | 16.36 | 16.57  | 1            | 17.0                     |      |  |
|                 |            | 100             | 0         | 15.77  | 15.64 | 15.85  | 1            | 17.0                     |      |  |
|                 |            | 16QAM           | 1         | 1      | 16.86 | 16.94  | 16.92        | 1                        | 17.0 |  |
|                 |            | 64QAM           | 1         | 1      | 14.33 | 14.28  | 14.41        | 2.5                      | 15.5 |  |
|                 |            | 256QAM          | 1         | 1      | 12.31 | 12.31  | 12.31        | 4.5                      | 13.5 |  |
|                 |            | Channel         |           | 34000  | 34000 | 34000  | MPR<br>(MHz) | Max.<br>Time-up          |      |  |
|                 |            | Frequency (MHz) |           | 1717.5 | 1746  | 1772.5 | (MHz)        |                          |      |  |
| 15              | QPSK       | 1               | 1         | 16.73  | 16.90 | 16.81  | 0            | 18.0                     |      |  |
| BW<br>(MHz)     | DFT-s-OFDM | Channel         |           | 34000  | 34000 | 34000  | MPR<br>(MHz) | Max.<br>Time-up          |      |  |
| 10              | QPSK       | 1               | 1         | 16.73  | 16.93 | 16.79  | 0            | 18.0                     |      |  |
| 5               | QPSK       | Channel         |           | 34000  | 34000 | 34000  | MPR<br>(MHz) | Max.<br>Time-up          |      |  |
|                 |            | Frequency (MHz) |           | 1712.5 | 1746  | 1772.5 | (MHz)        |                          |      |  |
| 5               | QPSK       | 1               | 1         | 16.69  | 16.76 | 16.85  | 0            | 18.0                     |      |  |

| n71 (SCS 15kHz) |                 |                 |            |         |             |                 |                          |                 |        |             |
|-----------------|-----------------|-----------------|------------|---------|-------------|-----------------|--------------------------|-----------------|--------|-------------|
| BW<br>[MHz]     | DFT-s-OFDM      | RB size         | RB Offset  | Low     | Mid         | High            | Max.<br>Time-up<br>[dBm] |                 |        |             |
|                 |                 | Channel         |            | 134600  | 136100      | 137600          |                          |                 |        |             |
| 20              | P-V2 BPSK       | Frequency [MHz] | 673        | 680.5   | 688         | MPR<br>[dB]     | Max.<br>Time-up<br>[dBm] |                 |        |             |
|                 |                 | 1               | 1          | 23.06   | 23.02       | 23.08           |                          | 0               | 24.0   |             |
|                 |                 | 1               | 53         | 22.77   | 23.03       | 22.78           |                          | 0               | 24.0   |             |
|                 |                 | 1               | 104        | 23.06   | 22.96       | 22.92           |                          | 0               | 24.0   |             |
|                 |                 | 50              | 0          | 22.90   | 23.06       | 23.04           |                          | 0               | 24.0   |             |
|                 | QPSK            | 50              | 28         | 22.98   | 23.10       | 22.93           |                          | 0               | 24.0   |             |
|                 |                 | 50              | 56         | 22.92   | 22.98       | 22.82           |                          | 0               | 24.0   |             |
|                 |                 | 100             | 0          | 22.86   | 22.93       | 22.99           |                          | 0               | 24.0   |             |
|                 |                 | 1               | 1          | 23.05   | 23.18       | 23.09           |                          | 0               | 24.0   |             |
|                 |                 | 1               | 53         | 22.99   | 23.09       | 23.00           |                          | 0               | 24.0   |             |
|                 |                 | 1               | 104        | 22.96   | 23.09       | 23.00           |                          | 0               | 24.0   |             |
|                 |                 | 50              | 0          | 22.91   | 23.10       | 22.99           |                          | 0               | 24.0   |             |
|                 |                 | 50              | 28         | 23.03   | 23.13       | 23.07           |                          | 0               | 24.0   |             |
|                 |                 | 50              | 56         | 22.95   | 23.09       | 22.95           |                          | 0               | 24.0   |             |
|                 |                 | 100             | 0          | 23.02   | 23.10       | 23.02           |                          | 0               | 24.0   |             |
|                 |                 | 16QAM           | 1          | 1       | 22.42       | 22.51           |                          | 22.51           | 0      | 24.0        |
|                 |                 | 64QAM           | 1          | 1       | 20.94       | 20.97           |                          | 20.87           | 1.5    | 22.5        |
|                 |                 | 256QAM          | 1          | 1       | 18.30       | 18.77           |                          | 18.75           | 1.5    | 22.5        |
|                 |                 | BW<br>[MHz]     | DFT-s-OFDM | Channel |             | 134300          |                          | 136200          | 138100 | MPR<br>[dB] |
| Frequency [MHz] | 670.5           |                 | 680.5      | 690.5   | MPR<br>[dB] | Max.<br>Time-up |                          |                 |        |             |
| 15              | QPSK            | 1               | 1          | 22.95   | 22.99       | 22.95           | 0                        | 24.0            |        |             |
| 5W<br>[MHz]     | DFT-s-OFDM      | Channel         |            | 135800  | 136100      | 136900          | MPR<br>[dB]              | Max.<br>Time-up |        |             |
|                 | Frequency [MHz] | 688             | 680.5      | 683     | MPR<br>[dB] | Max.<br>Time-up |                          |                 |        |             |
| 10              | QPSK            | 1               | 1          | 22.98   | 23.07       | 23.04           | 0                        | 24.0            |        |             |
| BW<br>[MHz]     | DFT-s-OFDM      | Channel         |            | 135500  | 136100      | 136100          | MPR<br>[dB]              | Max.<br>Time-up |        |             |
|                 | Frequency [MHz] | 685.5           | 680.5      | 685.5   | MPR<br>[dB] | Max.<br>Time-up |                          |                 |        |             |
| 5               | QPSK            | 1               | 1          | 23.05   | 23.08       | 23.10           | 0                        | 24.0            |        |             |

| Part270 n77 (SCS 30kHz) |            |                 |           |         |         |        |             |                          |      |
|-------------------------|------------|-----------------|-----------|---------|---------|--------|-------------|--------------------------|------|
| BW<br>[MHz]             | DFT-s-OFDM | RB Size         | RB Offset | Low     | Mid     | High   | MPR<br>[dB] | Max.<br>Time-up<br>[dBm] |      |
|                         |            | Channel         |           | 630608  | 633332  | 636008 |             |                          |      |
| 20                      | P-V2 BPSK  | Frequency [MHz] | 3460.02   | 3499.88 | 3546    |        |             |                          |      |
|                         |            | 1               | 1         | 16.03   | 16.06   | 15.90  | 0           | 17.0                     |      |
|                         |            | 1               | 26        | 15.85   | 15.99   | 15.98  | 0           | 17.0                     |      |
|                         |            | 1               | 49        | 15.91   | 16.10   | 15.96  | 0           | 17.0                     |      |
|                         |            | 25              | 0         | 15.90   | 16.06   | 15.87  | 0           | 17.0                     |      |
|                         | QPSK       | 25              | 13        | 16.00   | 16.09   | 16.07  | 0           | 17.0                     |      |
|                         |            | 25              | 26        | 15.92   | 16.05   | 15.89  | 0           | 17.0                     |      |
|                         |            | 50              | 0         | 16.04   | 16.06   | 15.88  | 0           | 17.0                     |      |
|                         |            | 1               | 1         | 16.08   | 16.11   | 16.04  | 0           | 17.0                     |      |
|                         |            | 1               | 26        | 16.04   | 16.10   | 15.88  | 0           | 17.0                     |      |
|                         |            | 1               | 49        | 16.04   | 16.02   | 15.95  | 0           | 17.0                     |      |
|                         |            | 25              | 0         | 16.03   | 16.06   | 15.86  | 0           | 17.0                     |      |
|                         |            | 25              | 13        | 16.06   | 16.09   | 16.01  | 0           | 17.0                     |      |
|                         |            | 25              | 26        | 16.00   | 16.04   | 15.92  | 0           | 17.0                     |      |
|                         |            | 50              | 0         | 16.04   | 16.08   | 16.00  | 0           | 17.0                     |      |
|                         |            | 16QAM           | 1         | 1       | 15.92   | 16.05  | 15.90       | 0                        | 17.0 |
|                         |            | 64QAM           | 1         | 1       | 15.59   | 15.69  | 15.68       | 0.5                      | 16.5 |
|                         |            | 256QAM          | 1         | 1       | 13.69   | 13.69  | 13.64       | 2.5                      | 16.5 |
|                         |            | Channel         |           |         | 630900  | 633332 | 636008      |                          |      |
| Frequency [MHz]         | 3467.5     |                 | 3499.88   | 3542.48 |         |        |             |                          |      |
| 15                      | QPSK       | 1               | 1         | 15.91   | 15.91   | 16.01  | 0           | Time-up                  |      |
| BW<br>[MHz]             | DFT-s-OFDM | Channel         |           | 630304  | 633332  | 636332 | MPR         | Max.<br>Time-up          |      |
|                         |            | Frequency [MHz] | 3465.61   | 3499.88 | 3544.58 |        |             |                          |      |
| 10                      | QPSK       | 1               | 1         | 15.90   | 15.99   | 15.90  | 0           | 17.0                     |      |

| Part270 n77 (SCS 30kHz) |            |                 |         |        |         |          |                    |              |
|-------------------------|------------|-----------------|---------|--------|---------|----------|--------------------|--------------|
| BW [MHz]                | DFT-s-OFDM | RB Size         | Channel | Low    | Mid     | High     | Max. Time-up (dBm) |              |
| 20                      | P-V2 BPSK  | Frequency [MHz] | 3718.61 | 3840   | 3968.99 | MPR [dB] | Max. Time-up (dBm) |              |
|                         |            | 1               | 1       | 15.93  | 16.02   | 15.74    |                    |              |
|                         |            | 1               | 26      | 15.71  | 15.98   | 15.54    |                    |              |
|                         |            | 1               | 49      | 15.69  | 15.77   | 15.51    |                    |              |
|                         |            | 25              | 0       | 15.75  | 15.93   | 15.54    |                    |              |
|                         | QPSK       | 25              | 13      | 15.91  | 16.00   | 15.83    |                    |              |
|                         |            | 25              | 26      | 15.68  | 15.86   | 15.62    |                    |              |
|                         |            | 50              | 0       | 15.92  | 15.89   | 15.87    |                    |              |
|                         |            | 1               | 1       | 15.98  | 16.03   | 15.94    |                    |              |
|                         |            | 1               | 26      | 15.78  | 15.91   | 15.74    |                    |              |
|                         |            | 1               | 49      | 15.79  | 15.91   | 15.69    |                    |              |
|                         |            | 25              | 0       | 15.80  | 15.92   | 15.85    |                    |              |
|                         |            | 25              | 13      | 15.95  | 16.01   | 15.92    |                    |              |
|                         |            | 25              | 26      | 15.70  | 15.83   | 15.56    |                    |              |
|                         |            | 50              | 0       | 15.92  | 15.99   | 15.71    |                    |              |
|                         |            | 16QAM           | 1       | 1      | 15.66   | 15.96    |                    | 15.86        |
|                         |            | 64QAM           | 1       | 1      | 15.60   | 15.71    |                    | 15.45        |
|                         |            | 256QAM          | 1       | 1      | 13.43   | 13.66    |                    | 13.45        |
|                         |            | Channel         |         | 647168 | 650000  | 652632   |                    |              |
| BW [MHz]                | DFT-s-OFDM | Frequency [MHz] | 3707.52 | 3840   | 3972.48 | MPR [dB] | Max. Time-up       |              |
| 15                      | QPSK       | 1               | 1       | 15.97  | 15.96   | 15.92    | 0                  | 17.0         |
| BW [MHz]                | DFT-s-OFDM | Channel         |         | 647000 | 650000  | 653000   | MPR [dB]           | Max. Time-up |
| 10                      | QPSK       | 1               | 1       | 15.98  | 15.99   | 15.79    | 0                  | 17.0         |



| Part270, n78 (SCS 30kHz) |                                                                                                                                                                                 |                 |           |                 |             |                 |             |             |                       |  |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------|-----------------|-------------|-----------------|-------------|-------------|-----------------------|--|
| BW<br>(MHz)              | OFDM Sub-Carriers                                                                                                                                                               | RB Size         |           | Low             |             | High            |             | MPR<br>(dB) | Max. Tune-up<br>(dBm) |  |
|                          |                                                                                                                                                                                 | Channel         | RB Offset | Frequency (MHz) | Power (dBm) | Frequency (MHz) | Power (dBm) |             |                       |  |
| 20                       | PUSCH                                                                                                                                                                           | Frequency (MHz) | 3460.02   | 3499.98         | 63000       | 63600           | 0           | 17.0        |                       |  |
|                          |                                                                                                                                                                                 | 1               | 1         | 16.06           | 16.03       | 15.99           | 0           | 17.0        |                       |  |
|                          |                                                                                                                                                                                 | 1               | 26        | 15.92           | 15.86       | 15.77           | 0           | 17.0        |                       |  |
|                          |                                                                                                                                                                                 | 1               | 49        | 15.75           | 15.80       | 15.92           | 0           | 17.0        |                       |  |
|                          |                                                                                                                                                                                 | 25              | 0         | 15.99           | 15.92       | 15.61           | 0           | 17.0        |                       |  |
|                          |                                                                                                                                                                                 | 25              | 13        | 15.91           | 16.02       | 15.99           | 0           | 17.0        |                       |  |
|                          |                                                                                                                                                                                 | 25              | 26        | 15.82           | 15.89       | 15.97           | 0           | 17.0        |                       |  |
|                          |                                                                                                                                                                                 | 50              | 0         | 15.86           | 16.00       | 16.02           | 0           | 17.0        |                       |  |
|                          |                                                                                                                                                                                 | 1               | 1         | 16.03           | 16.10       | 16.01           | 0           | 17.0        |                       |  |
|                          |                                                                                                                                                                                 | 1               | 26        | 15.99           | 15.92       | 15.90           | 0           | 17.0        |                       |  |
|                          | PDSCH                                                                                                                                                                           | 1               | 49        | 15.88           | 15.93       | 15.94           | 0           | 17.0        |                       |  |
|                          |                                                                                                                                                                                 | 25              | 0         | 15.90           | 15.96       | 15.94           | 0           | 17.0        |                       |  |
|                          |                                                                                                                                                                                 | 25              | 13        | 16.00           | 16.08       | 15.99           | 0           | 17.0        |                       |  |
|                          |                                                                                                                                                                                 | 25              | 26        | 15.92           | 16.05       | 15.93           | 0           | 17.0        |                       |  |
|                          |                                                                                                                                                                                 | 50              | 0         | 15.98           | 16.06       | 15.97           | 0           | 17.0        |                       |  |
|                          |                                                                                                                                                                                 | 16QAM           | 1         | 1               | 16.04       | 15.98           | 15.78       | 0           | 17.0                  |  |
|                          |                                                                                                                                                                                 | 64QAM           | 1         | 1               | 15.61       | 15.64           | 15.66       | 0.5         | 16.5                  |  |
|                          |                                                                                                                                                                                 | 256QAM          | 1         | 1               | 13.40       | 13.22           | 13.27       | 1.5         | 14.5                  |  |
|                          |                                                                                                                                                                                 | Channel         |           | 63000           | 63332       | 63600           | MPR         | Max.        |                       |  |
|                          |                                                                                                                                                                                 | Frequency (MHz) |           | 3457.5          | 3499.98     | 3542.49         | (dB)        | Tune-up     |                       |  |
| 1                        | 1                                                                                                                                                                               | 15.83           | 15.99     | 15.95           | 0           | 17.0            |             |             |                       |  |
| 15                       | QPSK                                                                                                                                                                            | Channel         |           | 63034           | 63332       | 63630           | MPR         | Max.        |                       |  |
| BW<br>(MHz)              | OFDM Sub-Carriers <th colspan="2">RB Size</th> <th colspan="2">Low</th> <th colspan="2">High</th> <th rowspan="2">MPR<br/>(dB)</th> <th rowspan="2">Max. Tune-up<br/>(dBm)</th> | RB Size         |           | Low             |             | High            |             | MPR<br>(dB) | Max. Tune-up<br>(dBm) |  |
|                          |                                                                                                                                                                                 | Channel         | RB Offset | Frequency (MHz) | Power (dBm) | Frequency (MHz) | Power (dBm) |             |                       |  |
| 10                       | QPSK                                                                                                                                                                            | 1               | 1         | 15.89           | 15.96       | 15.89           | 0           | 17.0        |                       |  |



## Appendix E. Photographs of EUT and Setup