





| 19756 AAC | 10755 | AAC | IEEE 802.11ax (160MHz, MCS0, 99pc dc) | WLAN | 8.64 | ± 9.6 % |
|--|-------|-----|--|--|------|---------|
| 19756 AAC | 10756 | _ | | | | |
| 10759 ACC | 10757 | AAC | | | | ± 9.6 % |
| 10759 AAC IEEE 802.11ax (190MHz, MCS4, 99pc dc) | 10758 | AAC | | | | ± 9.6 % |
| 10760 AAC IEEE 802.11ax (190MHz, MCSS, 99pc dc) WLAN 8.49 ± 0.6 | 10759 | AAC | | | | ± 9.6 % |
| 10761 AAC IEEE 802.11ax (160MHz, MCSR, 99pc dc) WLAN | 10760 | | | | | ± 9.6 % |
| 10762 AAC IEEE 802.118x (190MHz, MCSR, 99pc dc) | 10761 | AAC | | | | ± 9.6 % |
| 10764 AAC IEEE 802.118x (160MHz, MCS8, 99pc dc) | 10762 | AAC | | | | ± 9.6 % |
| 10766 | 10763 | AAC | | | | ± 9.6 % |
| 10766 AAC | 10764 | AAC | | The second secon | | ± 9.6 % |
| 10766 AAC | 10765 | AAC | | | | ± 9.6 % |
| 10766 AAC 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 7.99 1.9.6 | 10766 | AAC | | | | ± 9.6 % |
| 19768 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.01 ± 9.6 | 10767 | AAC | | | | ± 9.6 % |
| 10769 AAC SG NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 KHz) SG NR FR1 TDD 8.01 2.96 | 10768 | AAC | | | | ± 9.6 % |
| 19770 AAC SG NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) SG NR FR1 TDD 8.02 ± 9.6 | 10769 | AAC | | | | ± 9.6 % |
| 10771 AAC SG NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 KHz) SG NR FR1 TDD 8.02 ± 9.6 | 10770 | AAC | | | | ± 9.6 % |
| 10772 AAC SG NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) SG NR FR1 TDD 8.23 ± 9.6 | 10771 | | | | | ± 9.6 % |
| 19773 AAC 56 NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) 56 NR FR1 TDD 8.03 ± 9.6 | 10772 | AAC | | | | ± 9.6 % |
| 10776 | 10773 | | | | | ± 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 10778 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, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.34 ±9.6 10778 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.42 ±9.6 10780 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.42 ±9.6 10781 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.38 ±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, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.38 ±9.6 10783 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.31 ±9.6 10783 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.31 ±9.6 10784 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.29 ±9.6 10785 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.20 ±9.6 10786 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.40 ±9.6 10787 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.40 ±9.6 10788 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.40 ±9.6 10789 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ±9.6 10789 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ±9.6 10789 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ±9.6 10791 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ±9.6 10792 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 7.92 ±9.6 10793 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ±9.6 10794 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.93 ±9.6 10795 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.93 ±9.6 10799 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.93 ±9.6 10800 AAD 5G NR (CP-OFDM, 1 RB, 50 MHz | 10774 | | | | | ± 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 8.34 ±9.6 10779 AAC 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 8.42 ±9.6 10779 AAC 5G NR (CP-OFDM, 50% RB, 26 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 8.42 ±9.6 10780 AAC 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 8.38 ±9.6 10781 AAC 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 8.38 ±9.6 10782 AAC 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 8.38 ±9.6 10783 AAC 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 8.42 ±9.6 10784 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 8.43 ±9.6 10785 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 8.29 ±9.6 10786 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 8.29 ±9.6 10787 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 8.40 ±9.6 10788 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 8.40 ±9.6 10789 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 8.44 ±9.6 10789 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 8.44 ±9.6 10789 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 8.35 ±9.6 10789 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 8.35 ±9.6 10789 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 8.35 ±9.6 10789 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 KHz) 5G NR FR1 TDD 8.37 ±9.6 107990 AAC 5G NR (CP-OFDM, 18B, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 8.39 ±9.6 107991 AAC 5G NR (CP-OFDM, 18B, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.92 ±9.6 107992 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.92 ±9.6 107993 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.92 ±9.6 107994 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.93 ±9.6 107995 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 KHz) 5G NR FR1 TDD 7.94 ±9.6 107996 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QP | 10775 | - | | | | ± 9.6 % |
| 10777 | 10776 | | | | | ± 9.6 % |
| 10778 | 10777 | AAC | | | | ± 9.6 % |
| 10779 | 10778 | AAC | | | | ± 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 8.31 ± 9.6 10783 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.31 ± 9.6 10784 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.29 ± 9.6 10785 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.29 ± 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, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10788 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10789 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.37 ± 9.6 10789 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.37 ± 9.6 10789 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.37 ± 9.6 10790 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ± 9.6 10791 AAC 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ± 9.6 10792 AAC 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ± 9.6 10793 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ± 9.6 10794 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 10795 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 10796 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 10799 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.81 ± 9.6 10799 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.93 ± 9.6 10800 AAD 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) | 10779 | AAC | | | | ± 9.6 % |
| 10781 AAC 56 NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) | 10780 | AAC | | | | ± 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 8.29 ±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, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.40 ±9.6 10787 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.35 ±9.6 10788 AAC 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.44 ±9.6 10789 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, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ±9.6 10789 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ±9.6 10790 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 7.83 ±9.6 10791 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ±9.6 10792 AAC 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±9.6 10793 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.92 ±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, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±9.6 10796 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±9.6 10797 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±9.6 10798 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ±9.6 10799 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ±9.6 10799 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.83 ±9.6 10799 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.8 | 10781 | AAC | | | | ± 9.6 % |
| 10783 AAC 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.31 ±9.6 | 10782 | | | | | ± 9.6 % |
| 10784 AAC 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.29 ± 9.6 | 10783 | | | | | ± 9.6 % |
| 10785 AAC 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.40 ± 9.6 | 10784 | AAC | | | | ± 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, 40 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9.6 10791 AAC 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 7.83 ± 9.6 10792 AAC 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 10793 AAC 5G NR (CP-OFDM, 1 RB, 10 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, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 10796 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 10797 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 10798 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 10799 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 10799 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, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 10800 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 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, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 10803 AAE 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 10804 AAC 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10805 AAD 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 | 10785 | AAC | | | | ± 9.6 % |
| 10787 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.44 ± 9.6 | 10786 | AAC | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) | | | ± 9.6 % |
| 10788 AAC 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR FR1 TDD 8.39 ± 9.6 | 10787 | AAC | | | | ± 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, QP\$K, 30 kHz) 5G NR FR1 TDD 7.92 ± 9.6 10793 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.92 ± 9.6 10794 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 10795 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 10796 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 10797 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 10798 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 10801 | 10788 | AAC | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.39 | ± 9.6 % |
| 10790 AAC 5G NR (CP-OFDM, 100% RB, 50 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 % |
| 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, 20 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 10796 AAC 5G NR (CP-OFDM, 1 RB, 20 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 7.82 ± 9.6 10798 AAC 5G NR (CP-OFDM, 1 RB, 60 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 7.89 ± 9.6 10799 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.87 ± 9.6 10799 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 7.87 <td>10790</td> <td>AAC</td> <td>5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)</td> <td>5G NR FR1 TDD</td> <td>8.39</td> <td>± 9.6 %</td> | 10790 | AAC | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.39 | ± 9.6 % |
| 10792 AAC 5G NR (CP-OFDM, 1 RB, 10 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.92 ± 9.6 10793 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.95 ± 9.6 10794 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 10795 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.84 ± 9.6 10796 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 10797 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 10798 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 10799 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 10799 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 10801 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 10802 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.87 ± 9.6 10803 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.87 ± 9.6 10804 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10809 AAD 5G NR (CP-OFDM, 50% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10810 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10810 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10810 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10811 AAD 5G NR (CP-OFDM, 50% RB, 50 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10812 AAD 5G NR (CP-OFDM, 50% RB, 50 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10813 AAD 5G NR (CP-OFDM, 50% RB, 50 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10814 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10815 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR | 10791 | AAC | | | | ± 9.6 % |
| 10793 AAC 5G NR (CP-OFDM, 1 RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.95 ± 9.6 10794 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 10795 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.84 ± 9.6 10796 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 10797 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 10798 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 10799 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.93 ± 9.6 10801 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.87 ± 9.6 10802 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.87 ± 9.6 10803 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.93 ± 9.6 10805 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10809 AAD 5G NR (CP-OFDM, 50% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10810 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10810 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10810 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10811 AAD 5G NR (CP-OFDM, 50% RB, 50 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10812 AAD 5G NR (CP-OFDM, 50% RB, 50 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10813 AAD 5G NR (CP-OFDM, 50% RB, 50 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10814 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10815 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10816 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10816 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QP\$K, 30 kHz) 5G | 10792 | AAC | | | | ± 9.6 % |
| 10794 AAC 5G NR (CP-OFDM, 1 RB, 20 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 10795 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.84 ± 9.6 10796 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 10797 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 10798 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 10799 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 10799 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 10801 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.87 ± 9.6 10802 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.87 ± 9.6 10803 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.93 ± 9.6 10805 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10809 AAD 5G NR (CP-OFDM, 50% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10810 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10810 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10811 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10812 AAD 5G NR (CP-OFDM, 100% RB, 5 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10813 AAD 5G NR (CP-OFDM, 100% RB, 5 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10819 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10810 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10814 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10819 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.30 ± 9.6 10820 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QP\$K, 30 kHz) 5 | 10793 | AAC | | | | ± 9.6 % |
| 10795 AAC 5G NR (CP-OFDM, 1 RB, 25 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.84 ± 9.6 10796 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 10797 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.01 ± 9.6 10798 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 10799 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 10801 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.87 ± 9.6 10802 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.87 ± 9.6 10803 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.93 ± 9.6 10805 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10806 AAD 5G NR (CP-OFDM, 50% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.37 ± 9.6 10810 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10810 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10811 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10812 AAD 5G NR (CP-OFDM, 100% RB, 5 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10818 AAD 5G NR (CP-OFDM, 100% RB, 5 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10819 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10810 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10810 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10810 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10810 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10810 AAD 5G NR (CP-OFDM, 100% RB, 10 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.30 ± 9.6 10820 AAD 5G NR (CP-OFDM, 100% RB, 20 MHz, QP\$K, 30 kH | 10794 | AAC | | | | ± 9.6 % |
| 10796 AAC 5G NR (CP-OFDM, 1 RB, 30 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.82 ± 9.6 10797 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.01 ± 9.6 10798 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 10799 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.93 ± 9.6 10801 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.87 ± 9.6 10802 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.87 ± 9.6 10803 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.93 ± 9.6 10805 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10806 AAD 5G NR (CP-OFDM, 50% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.37 ± 9.6 10810 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10811 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10812 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10813 AAD 5G NR (CP-OFDM, 50% RB, 50 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10814 AAD 5G NR (CP-OFDM, 50% RB, 50 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10815 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10816 AAD 5G NR (CP-OFDM, 100% RB, 50 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10819 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10810 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10810 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10810 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10810 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10810 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QP\$K, 30 | 10795 | AAC | 5G NR (CP-OFDM, 1 RB, 25 MHz, QP\$K, 30 kHz) | | | ± 9.6 % |
| 10797 AAC 5G NR (CP-OFDM, 1 RB, 40 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.01 ± 9.6 10798 AAC 5G NR (CP-OFDM, 1 RB, 50 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 10799 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.93 ± 9.6 10801 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 10802 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.87 ± 9.6 10803 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.93 ± 9.6 10805 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10806 AAD 5G NR (CP-OFDM, 50% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.37 ± 9.6 10809 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10810 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10811 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10816 AAD 5G NR (CP-OFDM, 100% RB, 5 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10817 AAD 5G NR (CP-OFDM, 100% RB, 5 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10819 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10810 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10810 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10810 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10820 AAD 5G NR (CP-OFDM, 100% RB, 25 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10821 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.41 ± 9.6 10821 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.41 ± 9.6 10821 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.41 ± 9.6 10821 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QP\$K, | 10796 | AAC | 5G NR (CP-OFDM, 1 RB, 30 MHz, QP\$K, 30 kHz) | | 7.82 | ± 9.6 % |
| 10798 | 10797 | AAC | | | | ± 9.6 % |
| 10799 AAC 5G NR (CP-OFDM, 1 RB, 60 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.93 ± 9.6 10801 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 10802 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.87 ± 9.6 10803 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.93 ± 9.6 10805 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10806 AAD 5G NR (CP-OFDM, 50% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.37 ± 9.6 10809 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10810 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10810 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10811 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10812 AAD 5G NR (CP-OFDM, 100% RB, 5 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10818 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10819 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10810 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10810 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.33 ± 9.6 10810 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.33 ± 9.6 10820 AAD 5G NR (CP-OFDM, 100% RB, 25 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10821 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 | 10798 | AAC | | | | ± 9.6 % |
| 10801 AAC 5G NR (CP-OFDM, 1 RB, 80 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.89 ± 9.6 10802 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.87 ± 9.6 10803 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.93 ± 9.6 10805 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10806 AAD 5G NR (CP-OFDM, 50% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.37 ± 9.6 10809 AAD 5G NR (CP-OFDM, 50% RB, 30 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10810 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10812 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10817 AAD 5G NR (CP-OFDM, 100% RB, 5 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10818 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10819 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD <td>10799</td> <td>AAC</td> <td>5G NR (CP-OFDM, 1 RB, 60 MHz, QP\$K, 30 kHz)</td> <td>5G NR FR1 TDD</td> <td>7.93</td> <td>± 9.6 %</td> | 10799 | AAC | 5G NR (CP-OFDM, 1 RB, 60 MHz, QP\$K, 30 kHz) | 5G NR FR1 TDD | 7.93 | ± 9.6 % |
| 10802 AAC 5G NR (CP-OFDM, 1 RB, 90 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.87 ± 9.6 10803 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 7.93 ± 9.6 10805 AAD 5G NR (CP-OFDM, 50% RB, 10 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10806 AAD 5G NR (CP-OFDM, 50% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.37 ± 9.6 10809 AAD 5G NR (CP-OFDM, 50% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10810 AAD 5G NR (CP-OFDM, 50% RB, 40 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10812 AAD 5G NR (CP-OFDM, 50% RB, 60 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10817 AAD 5G NR (CP-OFDM, 100% RB, 5 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.35 ± 9.6 10818 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10819 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 10819 AAD 5G NR (CP-OFDM, 100% RB, 15 MHz, QP\$K, 30 kHz) 5G NR FR1 TDD< | 10801 | AAC | 5G NR (CP-OFDM, 1 RB, 80 MHz, QP\$K, 30 kHz) | 5G NR FR1 TDD | 7.89 | ± 9.6 % |
| 10803 AAE 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, 15 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 10819 AAD 5G NR (CP-OFDM, 100% RB, 20 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 T | 10802 | AAC | 5G NR (CP-OFDM, 1 RB, 90 MHz, QP\$K, 30 kHz) | | | ± 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, 15 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, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.33 ± 9.6 10821 AAC 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.34 ± 9.6 | 10803 | AAE | | | | ± 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 | 10805 | AAD | | | | ± 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 | 10806 | AAD | | | | ± 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 | 10809 | AAD | | | | ± 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 | 10810 | AAD | | | | ± 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 | 10812 | AAD | | | | ± 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 | 10817 | AAD | | | | ± 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 | 10818 | AAD | | | | ± 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 | 10819 | AAD | | | | ± 9.6 % |
| 10821 AAC 5G NR (CP-0FDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 8.41 ± 9.6 | 10820 | AAD | | | | ± 9.6 % |
| | 10821 | AAC | | | | ± 9.6 % |
| | 10822 | AAD | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |

Certificate No:Z22-60028

Page 19 of 22







| 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, QP\$K, 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 % |
| | 445 | | | | |
| 10897 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.66 | ± 9.6 % |

Certificate No:Z22-60028

Page 20 of 22







| 10899 | AAD | EC ND (DET a DEDM 1 DD 15 MH+ ODSK 30 kH+) | 5G NR FR1 TDD | 5.67 | ± 9.6 % |
|---|---|--|---|--|--|
| | AAD | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) | | | |
| 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) | | 5.94 | |
| 10927 | AAD | | 5G NR FR1 TDD | | ± 9.6 % |
| 10920 | 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 % |
| | | 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 % |
| | AAB | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.85 | ± 9.6 % |
| | | The state of the s | OCHIVITOD | | |
| | AAB | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.95 | ± 9.6 % |
| 10943 10944 | AAB | | | | |
| 10943 10944 10945 | | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.95 | ± 9.6 % |
| 10943 10944 10945 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD 5G NR FR1 FDD | 5.95 5.81 | ± 9.6 % ± 9.6 % |
| 10943 10944 10945 10946 10947 | AAB AAB | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD 5G NR FR1 FDD 5G NR FR1 FDD | 5.95 5.81 5.85 | ± 9.6 % ± 9.6 % ± 9.6 % |
| 10943 10944 10945 10946 10947 | AAB AAC | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD 5G NR FR1 FDD 5G NR FR1 FDD 5G NR FR1 FDD | 5.95 5.81 5.85 5.83 | ± 9.6 % ± 9.6 % ± 9.6 % |
| 10943 10944 10945 10946 10947 10948 | AAB AAC AAB | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD 5G NR FR1 FDD 5G NR FR1 FDD 5G NR FR1 FDD 5G NR FR1 FDD | 5.95 5.81 5.85 5.83 5.87 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10943 10944 10945 10946 10947 10948 10949 | AAB AAC AAB AAB | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD 5G NR FR1 FDD | 5.95 5.81 5.85 5.83 5.87 5.94 5.87 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10943 10944 10945 10946 10947 10948 10949 | AAB AAC AAB AAB AAB | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.95 5.81 5.85 5.83 5.87 5.94 5.87 5.94 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10943 10944 10945 10946 10947 10948 10949 10950 | AAB AAC AAB AAB AAB AAB | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.95 5.81 5.85 5.83 5.87 5.94 5.87 5.94 5.92 | ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % |
| 10943 10944 10945 10946 10947 10948 10949 10950 10951 | AAB AAC AAB AAB AAB AAB | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.95 5.81 5.85 5.83 5.87 5.94 5.94 5.92 8.25 | ± 9.6 % ± 9.6 % |
| 10943 10944 10945 10946 10947 10948 10949 10950 10951 10952 10953 | AAB AAC AAB AAB AAB AAB AAB | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR (DFT-S-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 5.95 5.81 5.85 5.83 5.87 5.94 5.87 5.94 5.92 8.25 8.15 | ± 9.6 % ± 9.6 % |
| 10942 10943 10944 10945 10946 10947 10948 10950 10951 10952 10953 10954 10955 | AAB AAC AAB AAB AAB AAB AAB AAB | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR (DFT-S-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 5.95 5.81 5.85 5.83 5.87 5.94 5.87 5.94 5.92 8.25 8.15 8.23 | ± 9.6 % ± 9.6 % |
| 10943 10944 10945 10946 10947 10948 10949 10950 10951 10952 10953 10954 | AAB AAC AAB AAB AAB AAB AAB AAB AAB | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR (DFT-S-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 5.95 5.81 5.85 5.83 5.87 5.94 5.87 5.94 5.92 8.25 8.15 | ± 9.6 % ± 9.6 % |

Certificate No:Z22-60028

Page 21 of 22









| 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 % |

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

Certificate No:Z22-60028

Page 22 of 22





ANNEX H Dipole Calibration Certificate

750 MHz Dipole Calibration Certificate

Calibration Laboratory of Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland





Schweizerischer Kalibrierdienst
Service suisse d'étalonnage
Servizio svizzero di taratura
Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA

Multilateral Agreement for the recognition of calibration certificates

CTTL (Auden) Certificate No: D750V3-1017_Jul22

| | D750V3 - SN:101 | 17 | |
|--|---|---|--|
| calibration procedure(s) | QA CAL-05.v11 Calibration Proce | dure for SAR Validation Sources | between 0.7-3 GHz |
| alibration date: | July 20, 2022 | | |
| The measurements and the uncert | ainties with confidence pr | onal standards, which realize the physical unit robability are given on the following pages and y facility: environment temperature $(22 \pm 3)^{\circ}$ C | d are part of the certificate. |
| Calibration Equipment used (M&TE | 1 | | |
| Primary Standards | ID# | Cal Date (Certificate No.) | Scheduled Calibration |
| Power meter NRP | SN: 104778 | 04-Apr-22 (No. 217-03525/03524) | Apr-23 |
| ower sensor NRP-Z91 | SN: 103244 | 04-Apr-22 (No. 217-03524) | Apr-23 |
| ower sensor NRP-Z91 | SN: 103245 | 04-Apr-22 (No. 217-03525) | Apr-23 |
| Reference 20 dB Attenuator | SN: BH9394 (20k) | 04-Apr-22 (No. 217-03527) | Apr-23 |
| | SN: 310982 / 06327 | 04-Apr-22 (No. 217-03528) | Apr-23 |
| | | | |
| Reference Probe EX3DV4 | SN: 7349 | 31-Dec-21 (No. EX3-7349_Dec21) | Dec-22 |
| Reference Probe EX3DV4 | | 31-Dec-21 (No. EX3-7349_Dec21) 02-May-22 (No. DAE4-601_May22) | Dec-22 May-23 |
| Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards | SN: 7349 | | |
| Reference Probe EX3DV4 DAE4 Secondary Standards | SN: 7349 SN: 601 | 02-May-22 (No. DAE4-601_May22) | May-23 |
| Reference Probe EX3DV4 DAE4 | SN: 7349 SN: 601 | 02-May-22 (No. DAE4-601_May22) Check Date (in house) | May-23 Scheduled Check |
| Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor HP 8481A | SN: 7349 SN: 601 ID# SN: GB39512475 | 02-May-22 (No. DAE4-601_May22) Check Date (in house) 30-Oct-14 (in house check Oct-20) | May-23 Scheduled Check In house check: Oct-22 |
| deference Probe EX3DV4 DAE4 DECONDARY Standards Dower meter E4419B Dower sensor HP 8481A Dower sensor HP 8481A | SN: 7349 SN: 601 ID # SN: GB39512475 SN: US37292783 | 02-May-22 (No. DAE4-601_May22) Check Date (in house) 30-Oct-14 (in house check Oct-20) 07-Oct-15 (in house check Oct-20) | May-23 Scheduled Check In house check: Oct-22 In house check: Oct-22 |
| Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A RF generator R&S SMT-06 | SN: 7349 SN: 601 ID # SN: GB39512475 SN: US37292783 SN: MY41093315 | 02-May-22 (No. DAE4-601_May22) Check Date (in house) 30-Oct-14 (in house check Oct-20) 07-Oct-15 (in house check Oct-20) 07-Oct-15 (in house check Oct-20) | May-23 Scheduled Check In house check: Oct-22 In house check: Oct-22 In house check: Oct-22 |
| Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B | SN: 7349 SN: 601 ID # SN: GB39512475 SN: US37292783 SN: MY41093315 SN: 100972 | 02-May-22 (No. DAE4-601_May22) Check Date (in house) 30-Oct-14 (in house check Oct-20) 07-Oct-15 (in house check Oct-20) 07-Oct-15 (in house check Oct-20) 15-Jun-15 (in house check Oct-20) | May-23 Scheduled Check In house check: Oct-22 In house check: Oct-22 In house check: Oct-22 In house check: Oct-22 |
| Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A RF generator R&S SMT-06 | SN: 7349 SN: 601 ID # SN: GB39512475 SN: US37292783 SN: MY41093315 SN: 100972 SN: US41080477 | O2-May-22 (No. DAE4-601_May22) Check Date (in house) 30-Oct-14 (in house check Oct-20) 07-Oct-15 (in house check Oct-20) 15-Jun-15 (in house check Oct-20) 31-Mar-14 (in house check Oct-20) | May-23 Scheduled Check In house check: Oct-22 |

Certificate No: D750V3-1017_Jul22

Page 1 of 6





Calibration Laboratory of

Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland





S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
Servizio svizzero di taratura

S Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Glossary:

TSL

tissue simulating liquid

ConvF N/A sensitivity in TSL / NORM x,y,z not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

c) DASY System Handbook

Methods Applied and Interpretation of Parameters:

- Measurement Conditions: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL: The source is mounted in a touch configuration below the center marking of the flat phantom.
- Return Loss: This parameter is measured with the source positioned under the liquid filled phantom (as described in the measurement condition clause). The Return Loss ensures low reflected power. No uncertainty required.
- SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

| Certificate No: D750V3-1017_Jul22 | Page 2 of 6 | |
|-----------------------------------|-------------|--|



Measurement Conditions

DASY system configuration, as far as not given on page 1.

| DASY Version | DASY52 | V52.10.4 |
|------------------------------|------------------------|-------------|
| Extrapolation | Advanced Extrapolation | |
| Phantom | Modular Flat Phantom | |
| Distance Dipole Center - TSL | 15 mm | with Spacer |
| Zoom Scan Resolution | dx, dy, dz = 5 mm | |
| Frequency | 750 MHz ± 1 MHz | |

Head TSL parameters

The following parameters and calculations were applied.

| | Temperature | Permittivity | Conductivity |
|---|-----------------|--------------|------------------|
| Nominal Head TSL parameters | 22.0 °C | 41.9 | 0.89 mho/m |
| Measured Head TSL parameters | (22.0 ± 0.2) °C | 40.5 ± 6 % | 0.90 mho/m ± 6 % |
| Head TSL temperature change during test | < 0.5 °C | | |

SAR result with Head TSL

| SAR averaged over 1 cm ³ (1 g) of Head TSL | Condition | |
|---|--------------------|--------------------------|
| SAR measured | 250 mW input power | 2.19 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 8.63 W/kg ± 17.0 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Head TSL | condition | |
|---|--------------------|--------------------------|
| SAR measured | 250 mW input power | 1.43 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 5.64 W/kg ± 16.5 % (k=2) |

Certificate No: D750V3-1017_Jul22





Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

| Impedance, transformed to feed point | 53.7 Ω - 0.5 j Ω | |
|--------------------------------------|--------------------------------|--|
| Return Loss | - 29.0 dB | |

General Antenna Parameters and Design

| Electrical Delay (one direction) | 1.034 ns |
|----------------------------------|----------|
| Electrical Boldy (one direction) | 1.001 |

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

| Manufactured by | SPEAG |
|-----------------|-------|

Certificate No: D750V3-1017_Jul22

Page 4 of 6





DASY5 Validation Report for Head TSL

Date: 20.07.2022

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1017

Communication System: UID 0 - CW; Frequency: 750 MHz

Medium parameters used: f = 750 MHz; $\sigma = 0.9 \text{ S/m}$; $\varepsilon_r = 40.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

Probe: EX3DV4 - SN7349; ConvF(10.11, 10.11, 10.11) @ 750 MHz; Calibrated: 31.12.2021

• Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn601; Calibrated: 02.05.2022

Phantom: Flat Phantom 4.9 (front); Type: QD 00L P49 AA; Serial: 1001

DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration for Head Tissue/Pin=250 mW, d=15mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 59.72 V/m; Power Drift = 0.04 dB

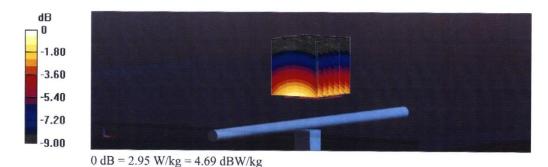
Peak SAR (extrapolated) = 3.34 W/kg

SAR(1 g) = 2.19 W/kg; SAR(10 g) = 1.43 W/kg

Smallest distance from peaks to all points 3 dB below = 24.2 mm

Ratio of SAR at M2 to SAR at M1 = 65.3%

Maximum value of SAR (measured) = 2.95 W/kg



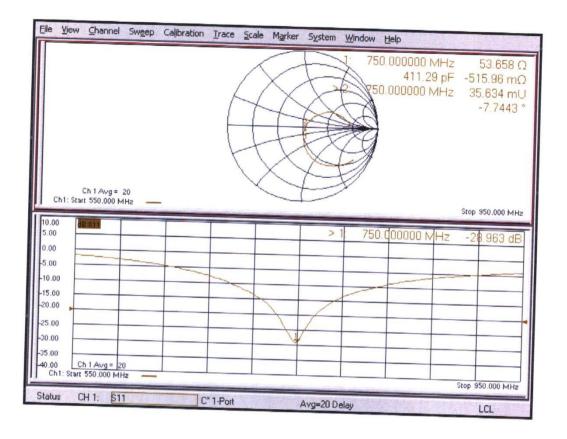
Certificate No: D750V3-1017_Jul22

Page 5 of 6





Impedance Measurement Plot for Head TSL



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Page 6 of 6





835 MHz Dipole Calibration Certificate

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nt CTTL (Auden) Certificate No: D835V2-4d069_Jul22

| bject | D835V2 - SN:4d0 | 069 | |
|--|--|---|--------------------------------|
| Calibration procedure(s) | QA CAL-05.v11 Calibration Proce | dure for SAR Validation Sources | between 0.7-3 GHz |
| Calibration date: | July 20, 2022 | | |
| The measurements and the uncerta | ainties with confidence pr | onal standards, which realize the physical unit obability are given on the following pages and y facility: environment temperature (22 ± 3)°C | d are part of the certificate. |
| Calibration Equipment used (M&TE | critical for calibration) | | |
| Primary Standards | ID# | Cal Date (Certificate No.) | Scheduled Calibration |
| Power meter NRP | SN: 104778 | 04-Apr-22 (No. 217-03525/03524) | Apr-23 |
| Power sensor NRP-Z91 | SN: 103244 | 04-Apr-22 (No. 217-03524) | Apr-23 |
| Power sensor NRP-Z91 | SN: 103245 | 04-Apr-22 (No. 217-03525) | Apr-23 |
| Reference 20 dB Attenuator | SN: BH9394 (20k) | 04-Apr-22 (No. 217-03527) | Apr-23 |
| Type-N mismatch combination | SN: 310982 / 06327 | 04-Apr-22 (No. 217-03528) | Apr-23 |
| Reference Probe EX3DV4 | SN: 7349 | 31-Dec-21 (No. EX3-7349_Dec21) | Dec-22 |
| DAE4 | SN: 601 | 02-May-22 (No. DAE4-601_May22) | May-23 |
| Secondary Standards | ID# | Check Date (in house) | Scheduled Check |
| Power meter E4419B | SN: GB39512475 | 30-Oct-14 (in house check Oct-20) | In house check: Oct-22 |
| Power sensor HP 8481A | SN: US37292783 | 07-Oct-15 (in house check Oct-20) | In house check: Oct-22 |
| Power sensor HP 8481A | SN: MY41093315 | 07-Oct-15 (in house check Oct-20) | In house check: Oct-22 |
| | SN: 100972 | 15-Jun-15 (in house check Oct-20) | In house check: Oct-22 |
| RE delierator Ras Sivi 1-00 | SN: US41080477 | 31-Mar-14 (in house check Oct-20) | In house check: Oct-22 |
| RF generator R&S SMT-06 Network Analyzer Agilent E8358A | | | |
| | Name | Function | Signature |
| Network Analyzer Agilent E8358A | Name Aldonia Coordindou | Function | Signature |
| | Name Aldonia Georgiadou | Function Laboratory Technician | Signature |
| Network Analyzer Agilent E8358A | WANTED THE PROPERTY OF THE PRO | | Signature |

Certificate No: D835V2-4d069_Jul22

Page 1 of 6





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Glossary:

TSL tissue simulating liquid

ConvF sensitivity in TSL / NORM x,y,z N/A not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

c) DASY System Handbook

Methods Applied and Interpretation of Parameters:

- Measurement Conditions: Further details are available from the Validation Report at the end
 of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL: The source is mounted in a touch configuration below the center marking of the flat phantom.
- Return Loss: This parameter is measured with the source positioned under the liquid filled phantom (as described in the measurement condition clause). The Return Loss ensures low reflected power. No uncertainty required.
- SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

| Certificate No: D835V2-4d069_Jul22 | Page 2 of 6 | |
|------------------------------------|-------------|--|



Measurement Conditions

DASY system configuration, as far as not given on page 1.

| DASY Version | DASY52 | V52.10.4 |
|------------------------------|------------------------|-------------|
| Extrapolation | Advanced Extrapolation | |
| Phantom | Modular Flat Phantom | |
| Distance Dipole Center - TSL | 15 mm | with Spacer |
| Zoom Scan Resolution | dx, dy, dz = 5 mm | |
| Frequency | 835 MHz ± 1 MHz | |

Head TSL parameters
The following parameters and calculations were applied.

| | Temperature | Permittivity | Conductivity |
|---|-----------------|--------------|------------------|
| Nominal Head TSL parameters | 22.0 °C | 41.5 | 0.90 mho/m |
| Measured Head TSL parameters | (22.0 ± 0.2) °C | 40.3 ± 6 % | 0.93 mho/m ± 6 % |
| Head TSL temperature change during test | < 0.5 °C | | |

SAR result with Head TSL

| SAR averaged over 1 cm ³ (1 g) of Head TSL | Condition | |
|---|--------------------|--------------------------|
| SAR measured | 250 mW input power | 2.51 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 9.73 W/kg ± 17.0 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Head TSL | condition | |
|---|--------------------|--------------------------|
| SAR measured | 250 mW input power | 1.62 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 6.34 W/kg ± 16.5 % (k=2) |

Certificate No: D835V2-4d069_Jul22

Page 3 of 6





Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

| Impedance, transformed to feed point | 51.5 Ω - 2.2 jΩ | |
|--------------------------------------|-----------------|--|
| Return Loss | - 31.7 dB | |

General Antenna Parameters and Design

| Electrical Delay (one direction) | 1.393 ns | |
|----------------------------------|----------|--|
|----------------------------------|----------|--|

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

| Manufactured by | SPEAG |
|-----------------|--------|
| | 0. 270 |

Certificate No: D835V2-4d069_Jul22





DASY5 Validation Report for Head TSL

Date: 20.07.2022

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d069

Communication System: UID 0 - CW; Frequency: 835 MHz

Medium parameters used: f = 835 MHz; $\sigma = 0.93$ S/m; $\varepsilon_r = 40.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

Probe: EX3DV4 - SN7349; ConvF(9.69, 9.69, 9.69) @ 835 MHz; Calibrated: 31.12.2021

• Sensor-Surface: 1.4mm (Mechanical Surface Detection)

• Electronics: DAE4 Sn601; Calibrated: 02.05.2022

Phantom: Flat Phantom 4.9 (front); Type: QD 00L P49 AA; Serial: 1001

DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration for Head Tissue/Pin=250 mW, d=15mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 63.89 V/m; Power Drift = -0.01 dB

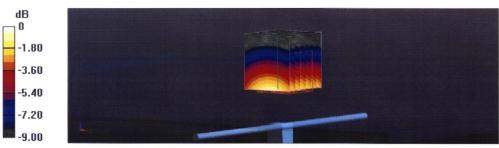
Peak SAR (extrapolated) = 3.81 W/kg

SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.62 W/kg

Smallest distance from peaks to all points 3 dB below = 17 mm

Ratio of SAR at M2 to SAR at M1 = 65.7%

Maximum value of SAR (measured) = 3.34 W/kg



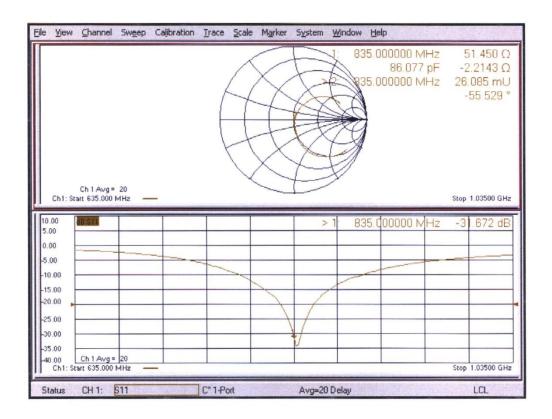
0 dB = 3.34 W/kg = 5.23 dBW/kg

Certificate No: D835V2-4d069_Jul22

Page 5 of 6



Impedance Measurement Plot for Head TSL



Certificate No: D835V2-4d069_Jul22

Page 6 of 6





1750 MHz Dipole Calibration Certificate

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Client

CTTL (Auden)

Certificate No: D1750V2-1003 Jul22

| Object | D1750V2 - SN:10 | 003 | |
|--|--|---|--|
| Calibration procedure(s) | QA CAL-05.v11 Calibration Proce | dure for SAR Validation Sources | s between 0.7-3 GHz |
| Calibration date: | July 18, 2022 | | |
| | | onal standards, which realize the physical uni | GUACIN CIU DIOLUMANISCI PER MICINALISCO PROMININA |
| The measurements and the uncertainty | ainties with confidence p | robability are given on the following pages an | d are part of the certificate. |
| All calibrations have been conducted | ed in the closed laborator | y facility: environment temperature (22 ± 3)°C | C and humidity < 70%. |
| Calibration Equipment used (M&TE | critical for calibration) | | |
| Primary Standards | ID# | Cal Date (Certificate No.) | Scheduled Calibration |
| Power meter NRP | SN: 104778 | 04-Apr-22 (No. 217-03525/03524) | Apr-23 |
| Power sensor NRP-Z91 | SN: 103244 | 04-Apr-22 (No. 217-03524) | Apr-23 |
| Power sensor NRP-Z91 | SN: 103245 | 04-Apr-22 (No. 217-03525) | Apr-23 |
| Reference 20 dB Attenuator | SN: BH9394 (20k) | 04-Apr-22 (No. 217-03527) | Apr-23 |
| Type-N mismatch combination | SN: 310982 / 06327 | 04-Apr-22 (No. 217-03528) | Apr-23 |
| Reference Probe EX3DV4 | SN: 7349 | 31-Dec-21 (No. EX3-7349_Dec21) | Dec-22 |
| | SN: 601 | 02-May-22 (No. DAE4-601_May22) | May-23 |
| DAE4 | | | |
| | ID# | Check Date (in house) | Scheduled Check |
| Secondary Standards Power meter E4419B | SN: GB39512475 | Check Date (in house) 30-Oct-14 (in house check Oct-20) | Scheduled Check In house check: Oct-22 |
| Secondary Standards Power meter E4419B Power sensor HP 8481A | SN: GB39512475 SN: US37292783 | | |
| Secondary Standards Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A | SN: GB39512475 SN: US37292783 SN: MY41093315 | 30-Oct-14 (in house check Oct-20) 07-Oct-15 (in house check Oct-20) 07-Oct-15 (in house check Oct-20) | In house check: Oct-22 |
| Secondary Standards Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A RF generator R&S SMT-06 | SN: GB39512475 SN: US37292783 SN: MY41093315 SN: 100972 | 30-Oct-14 (in house check Oct-20) 07-Oct-15 (in house check Oct-20) 07-Oct-15 (in house check Oct-20) 15-Jun-15 (in house check Oct-20) | In house check: Oct-22 In house check: Oct-22 In house check: Oct-22 In house check: Oct-22 |
| Secondary Standards Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A RF generator R&S SMT-06 | SN: GB39512475 SN: US37292783 SN: MY41093315 | 30-Oct-14 (in house check Oct-20) 07-Oct-15 (in house check Oct-20) 07-Oct-15 (in house check Oct-20) | In house check: Oct-22 In house check: Oct-22 In house check: Oct-22 |
| Secondary Standards Power meter E4419B Power sensor HP 8481A | SN: GB39512475 SN: US37292783 SN: MY41093315 SN: 100972 | 30-Oct-14 (in house check Oct-20) 07-Oct-15 (in house check Oct-20) 07-Oct-15 (in house check Oct-20) 15-Jun-15 (in house check Oct-20) | In house check: Oct-22 In house check: Oct-22 In house check: Oct-22 In house check: Oct-22 |
| Secondary Standards Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A RF generator R&S SMT-06 | SN: GB39512475 SN: US37292783 SN: MY41093315 SN: 100972 SN: US41080477 | 30-Oct-14 (in house check Oct-20) 07-Oct-15 (in house check Oct-20) 07-Oct-15 (in house check Oct-20) 15-Jun-15 (in house check Oct-20) 31-Mar-14 (in house check Oct-20) | In house check: Oct-22 Signature |
| Secondary Standards Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A RF generator R&S SMT-06 Network Analyzer Agilent E8358A | SN: GB39512475 SN: US37292783 SN: MY41093315 SN: 100972 SN: US41080477 | 30-Oct-14 (in house check Oct-20) 07-Oct-15 (in house check Oct-20) 07-Oct-15 (in house check Oct-20) 15-Jun-15 (in house check Oct-20) 31-Mar-14 (in house check Oct-20) | In house check: Oct-22 In house check: Oct-22 In house check: Oct-22 In house check: Oct-22 In house check: Oct-22 |

Certificate No: D1750V2-1003_Jul22

Page 1 of 6





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Glossary:

TSL tissue simulating liquid

ConvF sensitivity in TSL / NORM x,y,z N/A not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

c) DASY System Handbook

Methods Applied and Interpretation of Parameters:

- Measurement Conditions: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL: The source is mounted in a touch configuration below the center marking of the flat phantom.
- Return Loss: This parameter is measured with the source positioned under the liquid filled phantom (as described in the measurement condition clause). The Return Loss ensures low reflected power. No uncertainty required.
- SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.



Measurement Conditions

DASY system configuration, as far as not given on page 1.

| DASY Version | DASY52 | V52.10.4 |
|------------------------------|------------------------|-------------|
| Extrapolation | Advanced Extrapolation | |
| Phantom | Modular Flat Phantom | |
| Distance Dipole Center - TSL | 10 mm | with Spacer |
| Zoom Scan Resolution | dx, dy, dz = 5 mm | |
| Frequency | 1750 MHz ± 1 MHz | |

Head TSL parameters

The following parameters and calculations were applied.

| | Temperature | Permittivity | Conductivity |
|---|-----------------|--------------|------------------|
| Nominal Head TSL parameters | 22.0 °C | 40.1 | 1.37 mho/m |
| Measured Head TSL parameters | (22.0 ± 0.2) °C | 38.5 ± 6 % | 1.35 mho/m ± 6 % |
| Head TSL temperature change during test | < 0.5 °C | | |

SAR result with Head TSL

| SAR averaged over 1 cm ³ (1 g) of Head TSL | Condition | |
|---|--------------------|--------------------------|
| SAR measured | 250 mW input power | 9.19 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 36.8 W/kg ± 17.0 % (k=2) |

| SAR averaged over 10 cm ³ (10 g) of Head TSL | condition | |
|---|--------------------|--------------------------|
| SAR measured | 250 mW input power | 4.82 W/kg |
| SAR for nominal Head TSL parameters | normalized to 1W | 19.3 W/kg ± 16.5 % (k=2) |

Certificate No: D1750V2-1003_Jul22





Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

| Impedance, transformed to feed point | 50.7 Ω - 0.2 jΩ | |
|--------------------------------------|-----------------|--|
| Return Loss | - 43.0 dB | |

General Antenna Parameters and Design

| Electrical Delay (one direction) 1.214 ns | |
|---|--|
|---|--|

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

| Waltdlactured by | Manufactured by | SPEAG |
|------------------|-----------------|-------|
|------------------|-----------------|-------|

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Page 4 of 6