

| 10081- CAB | CDMA2000 (1xRTT, RC3) | Х | 1.61 | 75.86 | 18.26 | 0.00 | 150.0 | ± 9.6 % |
|---------------|---|---|--------|--------|-------|------|-------|---------|
| | | Y | 0.40 | 60.59 | 6.95 | | 150.0 | |
| | | Z | 0.70 | 65.91 | 10.99 | | 150.0 | |
| 10082- CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Fullrate) | X | 0.97 | 60.00 | 5.20 | 4.77 | 80.0 | ± 9.6 % |
| | | Y | 6.26 | 66.77 | 5.69 | | 80.0 | |
| | | Z | 1.47 | 63.08 | 5.04 | | 80.0 | |
| 10090- DAC | GPRS-FDD (TDMA, GMSK, TN 0-4) | Х | 100.00 | 114.42 | 27.18 | 6.56 | 60.0 | ± 9.6 % |
| | | Y | 2.51 | 68.39 | 11.07 | | 60.0 | |
| | | Z | 91.59 | 103.46 | 21.38 | | 60.0 | |
| 10097- CAB | UMTS-FDD (HSDPA) | Х | 2.10 | 70.41 | 17.58 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 1.66 | 67.98 | 15.08 | | 150.0 | |
| | 9 | Z | 1.92 | 70.17 | 16.49 | | 150.0 | |
| 10098- CAB | UMTS-FDD (HSUPA, Subtest 2) | Х | 2.06 | 70.42 | 17.57 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 1.62 | 67.91 | 15.04 | | 150.0 | |
| | | Z | 1.88 | 70.12 | 16.47 | | 150.0 | |
| 10099- DAC | EDGE-FDD (TDMA, 8PSK, TN 0-4) | Х | 19.63 | 108.47 | 38.01 | 9.56 | 60.0 | ± 9.6 % |
| | | Y | 7.02 | 84.55 | 28.70 | | 60.0 | |
| | | Z | 7.45 | 87.29 | 30.29 | | 60.0 | |
| 10100- CAD | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | Х | 3.76 | 73.52 | 18.27 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 2.83 | 69.91 | 16.35 | | 150.0 | |
| | | Z | 3.08 | 71.35 | 17.24 | | 150.0 | |
| 10101- CAD | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | Х | 3.49 | 68.90 | 16.77 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 2.97 | 67.19 | 15.62 | | 150.0 | |
| | | Z | 3.10 | 67.97 | 16.12 | | 150.0 | |
| 10102- CAD | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) | X | 3.59 | 68.75 | 16.81 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 3.08 | 67.24 | 15.76 | | 150.0 | |
| | | Z | 3.21 | 67.97 | 16.22 | | 150.0 | |
| 10103- CAD | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | Х | 8.41 | 79.82 | 22.06 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 4.84 | 71.96 | 18.48 | | 65.0 | |
| | | Z | 5.42 | 74.19 | 19.53 | | 65.0 | |
| 10104- CAD | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | X | 7.70 | 76.73 | 21.71 | 3.98 | 65.0 | ± 9.6 % |
| | 1 | Y | 5.32 | 71.47 | 19.01 | | 65.0 | |
| | | Z | 5.48 | 72.25 | 19.42 | | 65.0 | |
| 10105- CAD | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) | Х | 7.04 | 74.96 | 21.27 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 4.70 | 68.99 | 18.19 | | 65.0 | |
| | | Z | 5.14 | 70.85 | 19.09 | | 65.0 | |
| 10108- CAE | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK) | Х | 3.28 | 72.58 | 18.09 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 2.43 | 69.27 | 16.18 | | 150.0 | |
| | | Z | 2.65 | 70.70 | 17.10 | | 150.0 | |
| 10109- CAE | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) | Х | 3.17 | 68.85 | 16.81 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 2.61 | 67.16 | 15.46 | | 150.0 | |
| | | Z | 2.76 | 68.08 | 16.06 | | 150.0 | |
| 10110- CAE | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK) | Х | 2.68 | 71.66 | 17.86 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 1.91 | 68.41 | 15.56 | | 150.0 | |
| | | Z | 2.13 | 70.09 | 16.68 | | 150.0 | |
| 10111- CAE | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) | Х | 2.94 | 70.01 | 17.44 | 0.00 | 150.0 | ± 9.6 % |
| | , | Υ | 2.36 | 68.46 | 15.69 | | 150.0 | |
| | | Z | 2.60 | 69.97 | 16.63 | | 150.0 | |
| | | | 2.00 | 00.01 | .0.00 | | 100.0 | |

EX3DV4- SN:3866 May 31, 2018

| 10112- CAE | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) | X | 3.28 | 68.68 | 16.79 | 0.00 | 150.0 | ± 9.6 % |
|---------------|--|---|--------------|----------------|----------------|------|----------------|---------|
| | | Y | 2.74 | 67.25 | 15.57 | | 150.0 | |
| | | Z | 2.89 | 68.13 | 16.13 | | 150.0 | |
| 10113- CAE | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) | Х | 3.09 | 69.94 | 17.46 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 2.52 | 68.70 | 15.88 | | 150.0 | |
| | | Z | 2.75 | 70.13 | 16.75 | | 150.0 | |
| 10114- CAC | IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK) | X | 5.23 | 67.48 | 16.65 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.84 | 67.00 | 16.28 | | 150.0 | |
| | | Z | 4.90 | 67.34 | 16.43 | | 150.0 | |
| 10115- CAC | IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM) | X | 5.59 | 67.72 | 16.77 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 5.08 | 67.08 | 16.32 | | 150.0 | |
| 10110 | | Z | 5.13 | 67.37 | 16.44 | | 150.0 | |
| 10116- CAC | IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM) | Х | 5.36 | 67.74 | 16.70 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 4.92 | 67.20 | 16.31 | | 150.0 | |
| 1011 | | Z | 4.98 | 67.52 | 16.45 | | 150.0 | |
| 10117- CAC | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK) | X | 5.24 | 67.49 | 16.68 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 4.83 | 66.95 | 16.28 | | 150.0 | |
| 10117 | | Z | 4.89 | 67.29 | 16.43 | | 150.0 | |
| 10118- CAC | IEEE 802.11n (HT Mixed, 81 Mbps, 16- QAM) | X | 5.66 | 67.87 | 16.85 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 5.16 | 67.27 | 16.43 | | 150.0 | |
| | | Z | 5.20 | 67.52 | 16.53 | | 150.0 | |
| 10119- CAC | IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM) | Х | 5.33 | 67.68 | 16.69 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 4.92 | 67.19 | 16.31 | | 150.0 | |
| | | Z | 4.97 | 67.51 | 16.46 | | 150.0 | |
| 10140- CAD | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) | Х | 3.64 | 68.73 | 16.72 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 3.10 | 67.23 | 15.65 | | 150.0 | |
| | | Z | 3.23 | 67.98 | 16.12 | | 150.0 | |
| 10141- CAD | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) | X | 3.75 | 68.73 | 16.84 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 3.23 | 67.43 | 15.88 | | 150.0 | |
| | | Z | 3.36 | 68.16 | 16.32 | | 150.0 | |
| 10142- CAD | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK) | X | 2.50 | 72.12 | 17.94 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 1.65 | 68.10 | 14.67 | | 150.0 | |
| 10143- | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, | Z | 1.94 2.95 | 70.53 71.49 | 16.23 17.71 | 0.00 | 150.0 150.0 | ± 9.6 % |
| CAD | 16-QAM) | Y | 2.12 | 68.46 | 14.53 | | 150.0 | |
| - | | Z | 2.52 | 71.14 | 16.09 | | 150.0 | |
| 10144- CAD | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) | X | 2.62 | 68.66 | 15.91 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 1.78 | 65.25 | 12.38 | | 150.0 | |
| | | Z | 2.00 | 66.87 | 13.49 | | 150.0 | |
| 10145- CAE | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) | X | 2.08 | 72.58 | 16.71 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 0.62 | 60.00 | 6.54 | | 150.0 | |
| | | Z | 0.76 | 61.85 | 8.27 | | 150.0 | |
| 10146- CAE | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | Х | 4.74 | 77.79 | 17.95 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 0.91 | 59.91 | 6.14 | | 150.0 | |
| | | Z | 1.03 | 60.93 | 6.75 | | 150.0 | |
| 10147- CAE | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | Х | 8.02 | 85.30 | 20.79 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 0.95 | 60.19 | 6.39 | | 150.0 | |
| | | Z | 1.09 | 61.38 | 7.09 | | 150.0 | |

Certificate No: EX3-3866_May18

Page 16 of 39



| 10149- | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, | X | 3.18 | 68.92 | 16.86 | 0.00 | 150.0 | ± 9.6 % |
|---------------|--|---|------|-------|-------|------|-------|---------|
| CAD | 16-QAM) | | | | | | | |
| | | Υ | 2.63 | 67.24 | 15.52 | | 150.0 | |
| 10150 | 1.75 FDD (00 FD) (1.75 FD) (0.75 FD) | Z | 2.78 | 68.16 | 16.12 | | 150.0 | |
| 10150- CAD | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | Х | 3.29 | 68.74 | 16.83 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 2.75 | 67.32 | 15.62 | | 150.0 | |
| | | Z | 2.90 | 68.21 | 16.19 | | 150.0 | |
| 10151- CAD | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) | X | 9.25 | 82.93 | 23.38 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 5.36 | 75.32 | 19.83 | | 65.0 | |
| | | Z | 5.77 | 76.93 | 20.64 | | 65.0 | |
| 10152- CAD | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) | X | 7.33 | 77.04 | 21.65 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 4.81 | 71.16 | 18.40 | | 65.0 | |
| | | Z | 4.98 | 72.05 | 18.88 | | 65.0 | |
| 10153- CAD | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | Х | 7.72 | 77.89 | 22.37 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 5.21 | 72.44 | 19.38 | | 65.0 | |
| | | Z | 5.39 | 73.30 | 19.82 | | 65.0 | |
| 10154- CAE | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | X | 2.79 | 72.40 | 18.27 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 1.96 | 68.90 | 15.86 | | 150.0 | |
| | | Z | 2.20 | 70.63 | 16.99 | | 150.0 | |
| 10155- CAE | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | X | 2.94 | 70.00 | 17.44 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 2.37 | 68.50 | 15.72 | | 150.0 | |
| | | Z | 2.60 | 70.02 | 16.66 | | 150.0 | |
| 10156- CAE | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | Х | 2.45 | 73.08 | 18.25 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 1.44 | 67.52 | 13.85 | | 150.0 | |
| | | Z | 1.79 | 70.64 | 15.81 | | 150.0 | |
| 10157- CAE | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) | X | 2.55 | 70.02 | 16.44 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 1.56 | 65.08 | 11.79 | | 150.0 | |
| | | Z | 1.83 | 67.35 | 13.31 | | 150.0 | |
| 10158- CAE | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) | Х | 3.10 | 70.01 | 17.51 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 2.53 | 68.81 | 15.95 | | 150.0 | |
| | | Z | 2.76 | 70.25 | 16.83 | | 150.0 | |
| 10159- CAE | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) | Х | 2.72 | 70.68 | 16.81 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 1.63 | 65.40 | 12.01 | | 150.0 | |
| | | Z | 1.94 | 67.86 | 13.59 | | 150.0 | |
| 10160- CAD | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | Х | 3.08 | 70.55 | 17.46 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 2.48 | 68.64 | 16.02 | | 150.0 | |
| | | Z | 2.64 | 69.71 | 16.74 | | 150.0 | |
| 10161- CAD | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | X | 3.19 | 68.68 | 16.82 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 2.64 | 67.29 | 15.48 | | 150.0 | |
| | | Z | 2.80 | 68.24 | 16.09 | | 150.0 | |
| 10162- CAD | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | X | 3.29 | 68.68 | 16.85 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 2.76 | 67.53 | 15.64 | | 150.0 | |
| 10157 | 175 500 500 500 500 | Z | 2.91 | 68.48 | 16.24 | | 150.0 | |
| 10166- CAE | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) | X | 4.04 | 71.00 | 19.90 | 3.01 | 150.0 | ± 9.6 % |
| | | Υ | 3.16 | 69.13 | 18.77 | | 150.0 | |
| | | Z | 3.39 | 70.78 | 19.66 | | 150.0 | |
| 10167- CAE | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | Х | 5.36 | 74.73 | 20.65 | 3.01 | 150.0 | ± 9.6 % |
| | | Υ | 3.79 | 71.67 | 18.97 | | 150.0 | |
| | | Z | 4.56 | 75.64 | 20.76 | | 150.0 | |

Certificate No: EX3-3866_May18

Page 17 of 39

EX3DV4- SN:3866 May 31, 2018

| 10168- CAE | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | X | 6.03 | 77.24 | 22.03 | 3.01 | 150.0 | ± 9.6 % |
|---------------|--|---|-------|--------|-------|------|-------|---------|
| | | Y | 4.43 | 75.05 | 20.89 | | 150.0 | |
| | | Z | 5.62 | 80.10 | 23.00 | | 150.0 | |
| 10169- CAD | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | Х | 3.82 | 73.12 | 20.79 | 3.01 | 150.0 | ± 9.6 % |
| | | Υ | 2.61 | 67.68 | 18.06 | | 150.0 | |
| | | Z | 2.91 | 70.50 | 19.54 | | 150.0 | |
| 10170- CAD | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) | X | 6.54 | 82.37 | 24.08 | 3.01 | 150.0 | ± 9.6 % |
| | | Υ | 3.53 | 73.51 | 20.46 | | 150.0 | |
| 10171 | LTE EDD (OO EDIM A DD OO LUI | Z | 5.29 | 82.18 | 24.01 | | 150.0 | |
| 10171- AAD | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) | X | 4.84 | 75.97 | 20.60 | 3.01 | 150.0 | ± 9.6 % |
| | | Y | 2.80 | 68.67 | 17.18 | | 150.0 | |
| 10172- | LITE TOD (CC FOMA 4 DD 00 MIL | Z | 3.59 | 74.12 | 19.63 | | 150.0 | |
| CAD | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | X | 30.51 | 113.43 | 34.95 | 6.02 | 65.0 | ± 9.6 % |
| | | Y | 3.52 | 75.21 | 21.66 | | 65.0 | |
| 10170 | LIFE TOD (OO FOM) | Z | 4.81 | 82.95 | 25.11 | | 65.0 | |
| 10173- CAD | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) | X | 81.01 | 124.21 | 35.55 | 6.02 | 65.0 | ± 9.6 % |
| | | Y | 6.10 | 82.01 | 22.32 | | 65.0 | |
| 40474 | LTE TOD (OO EDIN: | Z | 15.21 | 99.20 | 28.02 | | 65.0 | |
| 10174- CAD | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) | Х | 42.22 | 110.92 | 31.54 | 6.02 | 65.0 | ± 9.6 % |
| | | Υ | 3.34 | 72.20 | 18.19 | | 65.0 | |
| 10177 | | Z | 7.70 | 87.16 | 23.71 | | 65.0 | |
| 10175- CAE | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | X | 3.75 | 72.64 | 20.47 | 3.01 | 150.0 | ± 9.6 % |
| | | Υ | 2.57 | 67.33 | 17.78 | | 150.0 | |
| | | Z | 2.86 | 70.07 | 19.23 | | 150.0 | |
| 10176- CAE | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) | X | 6.55 | 82.40 | 24.09 | 3.01 | 150.0 | ± 9.6 % |
| | | Υ | 3.54 | 73.53 | 20.47 | | 150.0 | |
| | | Z | 5.31 | 82.22 | 24.03 | | 150.0 | |
| 10177- CAG | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) | × | 3.79 | 72.88 | 20.60 | 3.01 | 150.0 | ± 9.6 % |
| | | Υ | 2.59 | 67.48 | 17.87 | | 150.0 | |
| | | Z | 2.89 | 70.25 | 19.33 | | 150.0 | |
| 10178- CAE | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) | Х | 6.40 | 81.92 | 23.88 | 3.01 | 150.0 | ± 9.6 % |
| | | Υ | 3.51 | 73.32 | 20.36 | | 150.0 | |
| | | Z | 5.22 | 81.88 | 23.87 | | 150.0 | |
| 10179- CAE | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) | Х | 5.57 | 78.86 | 22.14 | 3.01 | 150.0 | ± 9.6 % |
| | | Y | 3.10 | 70.80 | 18.61 | | 150.0 | |
| | | Z | 4.30 | 77.75 | 21.59 | | 150.0 | |
| 10180- CAE | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) | X | 4.81 | 75.81 | 20.51 | 3.01 | 150.0 | ± 9.6 % |
| | | Υ | 2.79 | 68.61 | 17.14 | | 150.0 | |
| | | Z | 3.58 | 74.03 | 19.58 | | 150.0 | |
| 10181- CAD | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) | Х | 3.79 | 72.85 | 20.59 | 3.01 | 150.0 | ± 9.6 % |
| | | Υ | 2.59 | 67.46 | 17.86 | | 150.0 | |
| | | Z | 2.88 | 70.23 | 19.32 | | 150.0 | |
| 10182- CAD | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) | X | 6.39 | 81.89 | 23.87 | 3.01 | 150.0 | ± 9.6 % |
| | | Υ | 3.50 | 73.29 | 20.34 | | 150.0 | |
| | | Z | 5.21 | 81.83 | 23.85 | | 150.0 | |
| 10183- AAC | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) | Х | 4.80 | 75.78 | 20.50 | 3.01 | 150.0 | ± 9.6 % |
| | | Υ | 2.79 | 68.59 | 17.13 | | 150.0 | |
| | | Z | 3.57 | 74.00 | 19.56 | | 150.0 | |

Certificate No: EX3-3866_May18

Page 18 of 39



| 10184- CAD | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) | X | 3.80 | 72.91 | 20.62 | 3.01 | 150.0 | ± 9.6 % |
|---------------|---|-----|------|-------|-------|------|-------|---------|
| | | Y | 2.59 | 67.50 | 17.89 | | 150.0 | |
| | | Z | 2.90 | 70.28 | 19.35 | | 150.0 | |
| 10185- CAD | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) | X | 6.43 | 81.99 | 23.91 | 3.01 | 150.0 | ± 9.6 % |
| | | Y | 3.52 | 73.38 | 20.39 | | 150.0 | |
| | | Z | 5.25 | 81.97 | 23.91 | | 150.0 | |
| 10186- AAD | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM) | X | 4.82 | 75.87 | 20.54 | 3.01 | 150.0 | ± 9.6 % |
| | | Y | 2.80 | 68.65 | 17.16 | | 150.0 | |
| | | Z | 3.60 | 74.09 | 19.61 | | 150.0 | |
| 10187- CAE | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | Х | 3.81 | 72.95 | 20.67 | 3.01 | 150.0 | ± 9.6 % |
| | | Υ | 2.61 | 67.59 | 17.98 | | 150.0 | |
| | | Z | 2.91 | 70.39 | 19.45 | | 150.0 | |
| 10188- CAE | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | X | 6.79 | 83.15 | 24.45 | 3.01 | 150.0 | ± 9.6 % |
| | | Y | 3.65 | 74.15 | 20.83 | | 150.0 | |
| | | Z | 5.58 | 83.26 | 24.51 | | 150.0 | |
| 10189- AAE | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | X | 4.99 | 76.54 | 20.90 | 3.01 | 150.0 | ± 9.6 % |
| | | Y | 2.86 | 69.07 | 17.45 | | 150.0 | |
| | | Z | 3.73 | 74.78 | 20.00 | | 150.0 | |
| 10193- CAC | IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) | Х | 4.67 | 66.95 | 16.48 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 4.24 | 66.64 | 15.97 | | 150.0 | |
| | | Z | 4.33 | 67.09 | 16.19 | | 150.0 | |
| 10194- CAC | IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) | X | 4.87 | 67.32 | 16.59 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.38 | 66.89 | 16.11 | | 150.0 | |
| | | Z | 4.47 | 67.32 | 16.32 | | 150.0 | |
| 10195- CAC | IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) | X | 4.91 | 67.33 | 16.59 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.42 | 66.91 | 16.13 | | 150.0 | |
| | | Z | 4.50 | 67.33 | 16.33 | | 150.0 | |
| 10196- CAC | IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) | X | 4.69 | 67.05 | 16.52 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.23 | 66.65 | 15.96 | | 150.0 | |
| | | Z | 4.31 | 67.09 | 16.18 | | 150.0 | |
| 10197- CAC | IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) | X | 4.89 | 67.34 | 16.60 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.39 | 66.89 | 16.12 | | 150.0 | |
| | | Z | 4.47 | 67.32 | 16.32 | | 150.0 | |
| 10198- CAC | IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) | X | 4.92 | 67.34 | 16.60 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.41 | 66.91 | 16.13 | | 150.0 | |
| | | Z | 4.49 | 67.32 | 16.33 | | 150.0 | |
| 10219- CAC | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) | X | 4.64 | 67.08 | 16.49 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 4.18 | 66.68 | 15.93 | | 150.0 | |
| | | Z | 4.27 | 67.14 | 16.16 | | 150.0 | |
| 10220- CAC | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) | X | 4.89 | 67.33 | 16.60 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 4.38 | 66.85 | 16.10 | | 150.0 | |
| | | Z | 4.46 | 67.28 | 16.31 | | 150.0 | |
| 10221- CAC | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) | X | 4.92 | 67.27 | 16.59 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 4.43 | 66.85 | 16.12 | | 150.0 | |
| | | Z | 4.51 | 67.26 | 16.32 | | 150.0 | |
| 10222- CAC | IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) | X | 5.22 | 67.52 | 16.68 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 4.80 | 66.93 | 16.26 | | 150.0 | |
| | | Z | 4.86 | 67.28 | 16.41 | | 150.0 | |
| | | 1 4 | 7.00 | 01.20 | 10.41 | | 130.0 | |

EX3DV4-SN:3866

May 31, 2018

| 10223- CAC | IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) | X | 5.58 | 67.78 | 16.82 | 0.00 | 150.0 | ± 9.6 % |
|---------------|--|---|-------|--------|-------|------|-------|---------|
| | | Y | 5.07 | 67.14 | 16.38 | | 150.0 | |
| | | Z | 5.11 | 67.42 | 16.49 | | 150.0 | |
| 10224- CAC | IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM) | X | 5.27 | 67.64 | 16.67 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 4.84 | 67.05 | 16.24 | | 150.0 | |
| | | Z | 4.90 | 67.40 | 16.40 | | 150.0 | |
| 10225- CAB | UMTS-FDD (HSPA+) | X | 2.99 | 67.00 | 16.21 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 2.51 | 66.01 | 14.64 | | 150.0 | |
| | | Z | 2.65 | 66.91 | 15.22 | | 150.0 | |
| 10226- CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | Х | 94.43 | 127.20 | 36.39 | 6.02 | 65.0 | ± 9.6 % |
| | | Υ | 6.49 | 83.12 | 22.81 | | 65.0 | |
| | | Z | 17.53 | 101.76 | 28.87 | | 65.0 | |
| 10227- CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | X | 56.88 | 116.18 | 33.01 | 6.02 | 65.0 | ± 9.6 % |
| | | Υ | 6.10 | 81.13 | 21.49 | | 65.0 | |
| | | Z | 15.05 | 97.36 | 26.79 | | 65.0 | |
| 10228- CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | X | 50.96 | 124.04 | 37.91 | 6.02 | 65.0 | ± 9.6 % |
| | | Υ | 5.07 | 82.24 | 24.43 | | 65.0 | |
| | | Z | 6.53 | 88.87 | 27.26 | | 65.0 | |
| 10229- CAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) | Х | 81.41 | 124.30 | 35.58 | 6.02 | 65.0 | ± 9.6 % |
| | | Υ | 6.15 | 82.11 | 22.37 | | 65.0 | |
| | | Z | 15.40 | 99.39 | 28.08 | | 65.0 | |
| 10230- CAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM) | Х | 50.84 | 114.07 | 32.38 | 6.02 | 65.0 | ± 9.6 % |
| | | Υ | 5.76 | 80.19 | 21.07 | | 65.0 | |
| | | Z | 13.24 | 95.20 | 26.08 | | 65.0 | |
| 10231- CAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK) | Х | 45.88 | 121.77 | 37.23 | 6.02 | 65.0 | ± 9.6 % |
| | | Υ | 4.86 | 81.34 | 24.01 | | 65.0 | |
| | | Z | 6.18 | 87.70 | 26.77 | | 65.0 | |
| 10232- CAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) | Х | 81.49 | 124.32 | 35.58 | 6.02 | 65.0 | ± 9.6 % |
| | | Υ | 6.14 | 82.09 | 22.36 | | 65.0 | |
| | | Z | 15.37 | 99.37 | 28.07 | | 65.0 | |
| 10233- CAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) | X | 50.87 | 114.09 | 32.39 | 6.02 | 65.0 | ± 9.6 % |
| | | Y | 5.75 | 80.17 | 21.07 | | 65.0 | |
| | | Z | 13.19 | 95.16 | 26.07 | | 65.0 | |
| 10234- CAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK) | X | 41.40 | 119.46 | 36.49 | 6.02 | 65.0 | ± 9.6 % |
| | | Υ | 4.68 | 80.55 | 23.58 | | 65.0 | |
| | | Z | 5.91 | 86.70 | 26.29 | | 65.0 | |
| 10235- CAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) | X | 81.97 | 124.44 | 35.62 | 6.02 | 65.0 | ± 9.6 % |
| | | Υ | 6.14 | 82.11 | 22.37 | | 65.0 | |
| | | Z | 15.40 | 99.42 | 28.09 | | 65.0 | |
| 10236- CAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) | X | 51.73 | 114.35 | 32.45 | 6.02 | 65.0 | ± 9.6 % |
| | | Υ | 5.79 | 80.26 | 21.09 | | 65.0 | |
| | | Z | 13.39 | 95.36 | 26.12 | | 65.0 | |
| 10237- CAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | Х | 46.54 | 122.08 | 37.31 | 6.02 | 65.0 | ± 9.6 % |
| | | Y | 4.85 | 81.36 | 24.02 | | 65.0 | |
| | | Z | 6.18 | 87.73 | 26.78 | | 65.0 | |
| 10238- CAD | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) | Х | 81.61 | 124.36 | 35.59 | 6.02 | 65.0 | ± 9.6 % |
| | | Υ | 6.12 | 82.06 | 22.35 | | 65.0 | |
| | | | | | | | | |

Certificate No: EX3-3866_May18

Page 20 of 39



| 10239- CAD | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) | Х | 50.88 | 114.12 | 32.39 | 6.02 | 65.0 | ± 9.6 % |
|---------------|--|---|-------|--------|-------|------|------|---------|
| J/LD | UT WANTY | Y | 5.73 | 80.13 | 21.06 | | 65.0 | |
| | | Z | 13.13 | 95.10 | 26.05 | _ | 65.0 | |
| 10240- CAD | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK) | X | 46.30 | 121.99 | 37.28 | 6.02 | 65.0 | ± 9.6 % |
| | | Υ | 4.84 | 81.34 | 24.01 | | 65.0 | |
| | | Z | 6.16 | 87.71 | 26.77 | | 65.0 | |
| 10241- CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | Х | 10.63 | 85.06 | 26.98 | 6.98 | 65.0 | ± 9.6 % |
| | | Y | 6.79 | 78.66 | 23.63 | | 65.0 | |
| | | Z | 7.73 | 82.62 | 25.43 | | 65.0 | |
| 10242- CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | Х | 9.25 | 82.02 | 25.70 | 6.98 | 65.0 | ± 9.6 % |
| | | Y | 5.51 | 74.61 | 21.86 | | 65.0 | |
| | | Z | 6.55 | 79.39 | 24.09 | | 65.0 | |
| 10243- CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) | Х | 7.26 | 78.53 | 25.18 | 6.98 | 65.0 | ± 9.6 % |
| | | Y | 4.68 | 72.01 | 21.59 | | 65.0 | |
| | | Z | 5.18 | 75.09 | 23.22 | | 65.0 | |
| 10244- CAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) | Х | 10.28 | 84.05 | 22.54 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 3.24 | 66.97 | 12.70 | | 65.0 | |
| | | Z | 3.56 | 68.61 | 13.44 | | 65.0 | |
| 10245- CAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) | Х | 9.95 | 83.22 | 22.19 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 3.20 | 66.61 | 12.48 | | 65.0 | |
| | | Z | 3.47 | 68.07 | 13.14 | | 65.0 | |
| 10246- CAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK) | Х | 12.46 | 90.83 | 24.94 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 2.86 | 68.70 | 13.86 | | 65.0 | - |
| | | Z | 3.30 | 71.03 | 15.15 | | 65.0 | |
| 10247- CAD | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) | X | 7.34 | 79.50 | 21.57 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 3.48 | 68.53 | 14.66 | | 65.0 | |
| | | Z | 3.73 | 69.89 | 15.43 | | 65.0 | |
| 10248- CAD | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) | X | 7.19 | 78.56 | 21.18 | 3.98 | 65.0 | ± 9.6 % |
| | , | Y | 3.48 | 68.14 | 14.48 | | 65.0 | |
| | | Z | 3.69 | 69.30 | 15.15 | | 65.0 | |
| 10249- CAD | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | Х | 13.15 | 92.09 | 26.04 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 4.18 | 74.23 | 17.58 | | 65.0 | |
| | | Z | 4.89 | 77.09 | 18.97 | | 65.0 | |
| 10250- CAD | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | Х | 7.92 | 80.63 | 23.26 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 4.78 | 73.26 | 19.06 | | 65.0 | |
| | | Z | 5.03 | 74.43 | 19.66 | | 65.0 | |
| 10251- CAD | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) | Х | 7.25 | 77.64 | 21.72 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 4.47 | 70.96 | 17.63 | | 65.0 | |
| | | Z | 4.67 | 71.97 | 18.18 | | 65.0 | |
| 10252- CAD | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | Х | 10.93 | 88.12 | 25.36 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 5.21 | 77.08 | 20.25 | | 65.0 | |
| | | Z | 5.77 | 79.24 | 21.29 | | 65.0 | |
| 10253- CAD | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | X | 7.05 | 76.20 | 21.36 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 4.75 | 70.81 | 18.15 | | 65.0 | |
| | 3 5 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | Z | 4.92 | 71.70 | 18.62 | | 65.0 | |
| 10254- CAD | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | X | 7.44 | 77.05 | 22.03 | 3.98 | 65.0 | ± 9.6 % |
| | 1 | I | | | | | | 1 |
| | | Y | 5.10 | 71.90 | 18.98 | | 65.0 | |

EX3DV4- SN:3866 May 31, 2018

| 10255- CAD | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | X | 8.60 | 81.93 | 23.28 | 3.98 | 65.0 | ± 9.6 % |
|---------------|--|---|-------|-------|-------|------|------|---------|
| | | Y | 5.15 | 74.81 | 19.78 | | 65.0 | |
| | | Z | 5.50 | 76.30 | 20.53 | | 65.0 | + |
| 10256- CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | X | 9.04 | 81.52 | 20.74 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 2.39 | 63.43 | 9.70 | | 65.0 | |
| | | Z | 2.46 | 64.13 | 10.00 | | 65.0 | |
| 10257- CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | X | 8.57 | 80.28 | 20.20 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 2.38 | 63.12 | 9.45 | | 65.0 | |
| | | Z | 2.43 | 63.72 | 9.69 | | 65.0 | - |
| 10258- CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) | X | 10.31 | 87.20 | 23.08 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 2.04 | 64.20 | 10.55 | | 65.0 | |
| | | Z | 2.21 | 65.50 | 11.41 | | 65.0 | |
| 10259- CAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | X | 7.54 | 79.76 | 22.11 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 3.97 | 70.35 | 16.29 | | 65.0 | |
| | | Z | 4.24 | 71.71 | 17.03 | | 65.0 | |
| 10260- CAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) | X | 7.50 | 79.33 | 21.95 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 4.01 | 70.15 | 16.20 | | 65.0 | |
| | | Z | 4.26 | 71.44 | 16.90 | | 65.0 | |
| 10261- CAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) | X | 11.09 | 88.93 | 25.31 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 4.44 | 74.87 | 18.45 | | 65.0 | |
| | | Z | 5.05 | 77.34 | 19.66 | | 65.0 | |
| 10262- CAD | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) | Х | 7.90 | 80.58 | 23.22 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 4.76 | 73.17 | 18.99 | | 65.0 | |
| | | Z | 5.00 | 74.34 | 19.60 | | 65.0 | |
| 10263- CAD | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) | Х | 7.24 | 77.63 | 21.72 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 4.47 | 70.94 | 17.62 | | 65.0 | |
| | | Z | 4.66 | 71.95 | 18.17 | | 65.0 | |
| 10264- CAD | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) | Х | 10.81 | 87.88 | 25.25 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 5.15 | 76.85 | 20.13 | | 65.0 | |
| | | Z | 5.70 | 78.99 | 21.17 | | 65.0 | |
| 10265- CAD | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) | X | 7.33 | 77.04 | 21.65 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 4.81 | 71.17 | 18.41 | | 65.0 | |
| | | Z | 4.98 | 72.06 | 18.89 | | 65.0 | |
| 10266- CAD | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) | Х | 7.71 | 77.88 | 22.36 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 5.21 | 72.42 | 19.37 | | 65.0 | |
| | | Z | 5.39 | 73.29 | 19.81 | | 65.0 | |
| 10267- CAD | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) | Х | 9.22 | 82.87 | 23.36 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 5.35 | 75.27 | 19.81 | | 65.0 | |
| | | Z | 5.75 | 76.88 | 20.62 | | 65.0 | |
| 10268- CAD | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) | X | 7.74 | 76.26 | 21.65 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 5.50 | 71.54 | 19.15 | | 65.0 | |
| | | Z | 5.66 | 72.29 | 19.52 | | 65.0 | |
| 10269- CAD | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) | Х | 7.63 | 75.68 | 21.48 | 3.98 | 65.0 | ± 9.6 % |
| | | Υ | 5.52 | 71.23 | 19.05 | | 65.0 | |
| | | Z | 5.67 | 71.96 | 19.42 | | 65.0 | |
| 10270- CAD | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) | X | 8.19 | 78.75 | 21.89 | 3.98 | 65.0 | ± 9.6 % |
| | | Y | 5.47 | 73.33 | 19.26 | | 65.0 | |
| | | Z | 5.74 | 74.49 | 19.85 | | 65.0 | |
| | | - | 0.77 | 17.70 | 10.00 | | 00.0 | |

EX3DV4- SN:3866 May 31, 2018

| 10274- | UMTS-FDD (HSUPA, Subtest 5, 3GPP | Х | 2.75 | 67.48 | 16.19 | 0.00 | 150.0 | ± 9.6 % |
|---------------|--|---|--------|----------------|----------------|------|----------------|---------|
| CAB | Rel8.10) | | 0.04 | 00.54 | 44.00 | | 450.0 | |
| | | Y | 2.34 | 66.54 | 14.62 | | 150.0 | |
| 10275- CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) | X | 2.51 | 67.66 71.96 | 15.36 17.96 | 0.00 | 150.0 150.0 | ± 9.6 % |
| | 110011) | Y | 1.38 | 67.61 | 14.72 | | 150.0 | |
| | | Z | 1.63 | 69.95 | 16.31 | | 150.0 | |
| 10277- CAA | PHS (QPSK) | X | 3.04 | 64.39 | 9.80 | 9.03 | 50.0 | ± 9.6 % |
| | | Υ | 1.99 | 60.23 | 5.80 | | 50.0 | |
| | | Z | 1.82 | 60.13 | 5.55 | | 50.0 | |
| 10278- CAA | PHS (QPSK, BW 884MHz, Rolloff 0.5) | Х | 14.05 | 89.45 | 23.17 | 9.03 | 50.0 | ± 9.6 % |
| | | Y | 2.97 | 64.46 | 10.26 | | 50.0 | |
| | | Z | 2.89 | 64.90 | 10.43 | | 50.0 | |
| 10279- CAA | PHS (QPSK, BW 884MHz, Rolloff 0.38) | X | 14.28 | 89.60 | 23.26 | 9.03 | 50.0 | ± 9.6 % |
| | | Y | 3.03 | 64.63 | 10.40 | | 50.0 | |
| | | Z | 2.96 | 65.09 | 10.58 | | 50.0 | |
| 10290- AAB | CDMA2000, RC1, SO55, Full Rate | X | 2.75 | 78.00 | 19.03 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 0.70 | 62.51 | 8.57 | | 150.0 | |
| | ļ | Z | 1.12 | 67.63 | 11.97 | 0.00 | 150.0 | |
| 10291- AAB | CDMA2000, RC3, SO55, Full Rate | X | 1.53 | 75.18 | 17.97 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 0.39 | 60.48 | 6.87 | | 150.0 | |
| | | Z | 0.68 | 65.59 | 10.81 | | 150.0 | |
| 10292- AAB | CDMA2000, RC3, SO32, Full Rate | X | 4.08 | 91.57 | 24.34 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 0.46 | 62.41 | 8.25 | | 150.0 | |
| | | Z | 1.88 | 78.02 | 16.27 | | 150.0 | |
| 10293- AAB | CDMA2000, RC3, SO3, Full Rate | Х | 23.75 | 120.75 | 33.02 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 0.79 | 67.74 | 11.33 | | 150.0 | |
| | | Z | 100.00 | 126.63 | 29.48 | | 150.0 | |
| 10295- AAB | CDMA2000, RC1, SO3, 1/8th Rate 25 fr. | X | 9.88 | 86.90 | 25.50 | 9.03 | 50.0 | ± 9.6 % |
| | | Υ | 7.81 | 78.34 | 18.95 | | 50.0 | |
| | | Z | 8.66 | 81.12 | 20.25 | | 50.0 | |
| 10297- AAC | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) | X | 3.30 | 72.72 | 18.17 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 2.45 | 69.40 | 16.26 | | 150.0 | |
| | ļ | Z | 2.67 | 70.85 | 17.18 | | 150.0 | |
| 10298- AAC | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) | X | 2.36 | 73.70 | 17.87 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 0.95 | 63.49 | 10.09 | | 150.0 | |
| | | Z | 1.26 | 66.91 | 12.45 | | 150.0 | |
| 10299- AAC | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) | X | 4.97 | 78.35 | 18.95 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 1.38 | 63.08 | 9.25 | | 150.0 | |
| | | Z | 1.78 | 65.74 | 10.59 | | 150.0 | |
| 10300- AAC | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) | X | 3.02 | 70.07 | 14.79 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 1.14 | 60.87 | 7.34 | | 150.0 | |
| | | Z | 1.29 | 61.96 | 7.95 | 4 | 150.0 | |
| 10301- AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC) | × | 5.15 | 66.43 | 18.16 | 4.17 | 50.0 | ± 9.6 % |
| | | Y | 4.26 | 65.03 | 16.87 | | 50.0 | |
| | | Z | 4.39 | 65.68 | 17.23 | | 50.0 | |
| 10302- AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols) | X | 5.54 | 66.66 | 18.64 | 4.96 | 50.0 | ± 9.6 % |
| | | Υ | 4.84 | 65.92 | 17.68 | | 50.0 | |
| | | Z | 4.82 | 66.06 | 17.81 | | 50.0 | |

Report No.: DRRFCC1808-0086

| AAA 10MHz, 64QAM, PUSC) | 10303- AAA | IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC) | X | 5.32 | 66.45 | 18.58 | 4.96 | 50.0 | ± 9.6 % |
|--|---------------|---|---|---------|-------|-------|-------|-------|---------|
| IEEE 802.16e WIMAX (28:18, 5ms, | | | Y | 4.68 | 66.21 | 17.88 | | 50.0 | |
| IEEE 802.16e WIMAX (29:18, 5ms, AAA | | | _ | | | | | | |
| IEEE 802.16e WiMAX (31:15, 10ms, AAA 4.94 65.71 17:20 50.0 35.0 ± 9.6 % 4.94 69.25 20.97 6.02 35.0 ± 9.6 % 4.94 69.25 20.97 6.02 35.0 ± 9.6 % 4.94 4.94 69.25 20.97 6.02 35.0 ± 9.6 % 4.94 4.94 69.25 20.97 6.02 35.0 ± 9.6 % 4.94 4.94 69.25 20.97 6.02 35.0 ± 9.6 % 4.94 4.94 69.25 20.97 6.02 35.0 ± 9.6 % 4.94 4.94 69.25 20.97 6.02 35.0 ± 9.6 % 4.94 4.94 69.25 20.10 6.02 35.0 ± 9.6 % 4.94 4.94 69.25 20.10 6.02 35.0 ± 9.6 % 4.94 4.94 6.73 4.94 4.94 6.02 35.0 ± 9.6 % 4.94 4.94 6.02 35.0 ± 9.6 % 4.94 4.94 6.02 35.0 ± 9.6 % 4.94 4.94 6.02 35.0 ± 9.6 % 4.94 4.94 6.02 35.0 ± 9.6 % 4.94 4.94 6.02 35.0 ± 9.6 % 4.94 4.94 6.02 35.0 ± 9.6 % 4.94 4.94 6.02 35.0 ± 9.6 % 4.94 4.94 6.02 35.0 ± 9.6 % 4.94 4.94 6.02 35.0 ± 9.6 % 4.94 4.94 6.02 35.0 ± 9.6 % 4.94 4.94 6.02 35.0 ± 9.6 % 4.94 4.94 6.02 35.0 ± 9.6 % 4.94 4.94 6.02 35.0 ± 9.6 % 4.94 4.94 6.02 35.0 ± 9.6 % 4.94 4.94 6.02 35.0 ± 9.6 % 4.94 4.94 6.02 35.0 ± 9.6 % 4.94 | 10304- AAA | | | - | | | 4.17 | | ± 9.6 % |
| IEEE 802.166 WIMAX (29:18, 10ms, AAAA AAAA AAAA | | | Υ | 4.41 | 65.51 | 17.03 | | 50.0 | |
| AAA 10MHz, 64QAM, PUSC, 15 symbols) | | | Z | 4.42 | 65.71 | 17.20 | | 50.0 | |
| IEEE 802.16e WiMAX (29:18, 10ms, AAA IEEE 802.11e WiM | 10305- AAA | | Х | 4.94 | 69.25 | 20.97 | 6.02 | 35.0 | ± 9.6 % |
| 10306- | | | | | | | | 35.0 | |
| AAA 10MHz, 64QAM, PUSC, 18 symbols) Y 4.56 67.30 18.81 35.0 | | | | | | | | _ | |
| 10307- IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols) | 10306- AAA | | | | | | 6.02 | | ± 9.6 % |
| 10307- IEEE 802.16e WiMAX (29:18, 10ms, AAA | | | | | | | | | |
| AAA | 10007 | | | | | | | | |
| IEEE 802.16e WiMAX (29:18, 10ms, 10308-10308-1044, 1044, 1050-1044, 1044, 1050-1044, 1 | 10307- AAA | 10MHz, QPSK, PUSC, 18 symbols) | | | | | 6.02 | | ± 9.6 % |
| 10308- IEEE 802_16e WilMAX (29:18, 10ms, AAA 10MHz, 16QAM, PUSC) | | | | | | | | | |
| AAA 10MHz, 16QAM, PUSC) Y 4.47 67.75 18.93 35.0 10309- IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols) AAA 10MHz, 16QAM, AMC 2x3, 18 symbols) Y 4.58 67.38 19.90 35.0 IEEE 802.16e WiMAX (29:18, 10ms, 2 4.41 66.72 18.68 35.0 10310- IEEE 802.16e WiMAX (29:18, 10ms, 2 4.41 66.72 18.68 35.0 IO310- IO310- IEEE 802.16e WiMAX (29:18, 10ms, 2 4.41 66.72 18.68 35.0 IO310- IO310- IEEE 802.16e WiMAX (29:18, 10ms, 2 4.41 66.72 18.68 35.0 IO3110- IO311- IEEE 802.16e WiMAX (29:18, 10ms, 2 4.41 66.72 18.68 35.0 IO311- IEEE 802.16e WiMAX (29:18, 10ms, 2 4.41 66.72 18.68 35.0 IO311- IEEE 802.16e WiMAX (29:18, 10ms, 2 4.41 66.72 18.68 35.0 IO311- IEEE 802.16e WiMAX (29:18, 10ms, 2 4.41 66.72 18.68 35.0 IO311- IEEE 802.16e WiMAX (29:18, 10ms, 2 4.41 66.72 18.68 35.0 IO311- IEEE 802.16e WiMAX (29:18, 10ms, 2 4.41 66.72 18.68 35.0 IO311- IEEE 802.16e WiMAX (29:18, 10ms, 2 4.41 66.72 18.68 35.0 IO311- IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 X 1.16 66.29 12.17 70.0 IO311- IEEE 802.11b WiFi 2.4 GHz (ERP- X 4.73 67.01 16.61 0.17 150.0 ±9.6 % 10.31 6.00 150.0 IO311- IEEE 802.11a WiFi 2.4 GHz (ERP- X 4.73 67.01 16.61 0.17 150.0 ±9.6 % 10.31 6.00 150.0 IO311- IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mps, 96pc duty cycle) Y 4.26 66.54 16.02 150.0 IO311- IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mps, 96pc duty cycle) Y 4.27 66.98 16.78 16.07 150.0 Y 4.28 66.54 16.02 150.0 IO311- IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mps, 96pc duty cycle) Y 4.28 66.54 16.02 150.0 IO311- IEEE 802.11a WiFi 5 GHz (OFDM, 6 Ward) 16.61 0.17 150.0 ±9.6 % 16.00 16. | 40000 | 1555 000 to 14511111111111111111111111111111111111 | | | | | | | |
| Table Tabl | 10308- AAA | | | | | | 6.02 | | ± 9.6 % |
| 10309- IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols) | | | | | | | | | |
| AAA 10MHz, 16QAM, AMC 2x3, 18 symbols) Y 4.58 67.38 18.90 35.0 10310- 10310- 10EEE 802.16e WiMAX (29:18, 10ms, AAA 10MHz, QPSK, AMC 2x3, 18 symbols) Y 4.53 67.43 18.82 35.0 Z 4.35 66.75 18.59 35.0 10311- 10311- 104. LTE-FDD (SC-FDMA, 100% RB, 15 X 3.70 71.89 17.72 0.00 150.0 ± 9.6 % AAA MHz, QPSK) Y 2.80 68.59 15.95 150.0 Z 3.04 69.98 16.78 150.0 10313- 10513- 10511- | 10000 | LEEE 000 to MENTAL TO THE | | | | | | | |
| Total | 10309- AAA | | | | | | 6.02 | | ± 9.6 % |
| 10310- IEEE 802.16e WiMAX (29:18, 10ms, AAA 10MHz, QPSK, AMC 2x3, 18 symbols) | | | | | | | | | |
| AAA 10MHz, QPSK, AMC 2x3, 18 symbols) Y 4.53 67.43 18.82 35.0 Z 4.35 66.75 18.59 35.0 10311- AAC MHz, QPSK) Y 2.80 68.59 15.95 150.0 Z 3.04 69.98 16.78 150.0 Z 3.04 69.98 16.78 150.0 IO313- AAAA Y 2.11 66.29 12.17 70.0 Z 2.59 69.51 14.06 70.0 IO314- AAA Y 2.11 66.29 12.17 70.0 Z 2.59 69.51 14.06 70.0 IO315- AAAA Y 3.07 71.05 16.78 30.0 IO315- AAAA Y 3.07 71.05 16.78 30.0 IO316- AAAA Y 3.07 71.05 16.78 30.0 IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 X 1.16 66.05 17.04 0.17 150.0 ±9.6 % AAB OFDM, 6 Mbps, 96pc duty cycle) Y 0.93 63.42 14.64 15.60 IO316- AAB OFDM, 6 Mbps, 96pc duty cycle) Y 4.26 66.54 16.02 150.0 IO317- AAC AAC Mbps, 96pc duty cycle) Y 4.26 66.54 16.02 150.0 IO317- AAC IEEE 802.11a WiFi 5 GHz (OFDM, 6 X 4.73 67.01 16.61 0.17 150.0 ±9.6 % AAC Mbps, 96pc duty cycle) Y 4.26 66.54 16.02 150.0 IO317- AAC IEEE 802.11a WiFi 5 GHz (OFDM, 6 X 4.73 67.01 16.61 0.17 150.0 ±9.6 % AAC Mbps, 96pc duty cycle) Y 4.26 66.54 16.02 150.0 IO317- AAC IEEE 802.11a WiFi 5 GHz (OFDM, 6 X 4.73 67.01 16.61 0.17 150.0 ±9.6 % AAC Mbps, 96pc duty cycle) Y 4.26 66.54 16.02 150.0 IO317- AAC IEEE 802.11a WiFi 5 GHz (OFDM, 6 X 4.73 67.01 16.61 0.17 150.0 ±9.6 % AAC Mbps, 96pc duty cycle) Y 4.26 66.54 16.02 150.0 IEEE 802.11a WiFi 5 GHz (OFDM, 6 X 4.73 67.01 16.61 0.17 150.0 ±9.6 % AAC Mbps, 96pc duty cycle) Y 4.26 66.54 16.02 150.0 IEEE 802.11a WiFi 5 GHz (OFDM, 6 X 4.73 67.01 16.61 0.17 150.0 ±9.6 % AAC Mbps, 96pc duty cycle) Y 4.26 66.54 16.02 150.0 IEEE 802.11a WiFi (20MHz, 64-QAM, X 4.88 67.37 16.57 0.00 150.0 ±9.6 % AAC AAC AAC AAC AAC AAC AAC A | | | | | | | | | |
| Table | 10310- AAA | | | 1500.00 | | | 6.02 | | ± 9.6 % |
| 10311- LTE-FDD (SC-FDMA, 100% RB, 15 X 3.70 71.89 17.72 0.00 150.0 ± 9.6 % MHz, QPSK | | | | | | | | | |
| AAC MHz, QPSK) Y 2.80 68.59 15.95 150.0 Z 3.04 69.98 16.78 150.0 10313- IDEN 1:3 X 8.41 82.71 19.62 6.99 70.0 ± 9.6 % X 2.59 69.51 14.06 70.0 10314- IDEN 1:6 X 20.76 101.38 28.33 10.00 30.0 ± 9.6 % X 2.59 69.51 14.06 70.0 X 2.59 69.51 14.06 70.0 X 2.076 101.38 28.33 10.00 30.0 ± 9.6 % X 2.076 101.38 28.33 10.00 30.0 ± 9.6 % X 2.076 101.38 28.33 10.00 30.0 ± 9.6 % X 2.076 101.38 28.33 10.00 30.0 ± 9.6 % X 2.076 101.38 28.33 10.00 30.0 ± 9.6 % X 3.07 71.05 16.78 30.0 X 3.07 71.05 16.78 30.0 X 4.44 77.95 20.09 30.0 X 4.44 77.95 20.09 30.0 X 4.79 66.05 17.04 0.17 150.0 ± 9.6 % X 4.79 66.05 17.04 0.17 150.0 ± 9.6 % X 4.73 67.01 16.61 0.17 150.0 ± 9.6 % X 4.73 67.01 16.61 0.17 150.0 X 4.73 66.93 16.20 150.0 X 4.73 66.93 16.20 150.0 X 4.33 66.93 16.20 150.0 X 4.34 66.87 16.07 150.0 X 4.35 66.93 16.28 150.0 X 4.42 67.29 16.28 150.0 X 4.42 | | | | | | | | | |
| 10313- | 10311- AAC | | | | | | 0.00 | | ± 9.6 % |
| 10313- | | | | | | | | _ | |
| AAA Y 2.11 66.29 12.17 70.0 Z 2.59 69.51 14.06 AAA AAA DEN 1:6 | | | | | | | | | |
| 10314- IDEN 1:6 | 10313- AAA | iDEN 1:3 | | | | | 6.99 | | ± 9.6 % |
| 10314- AAA | | | | | | | | | |
| AAA Y 3.07 71.05 16.78 30.0 Z 4.44 77.95 20.09 30.0 10315- AAB Mbps, 96pc duty cycle) Y 0.93 63.42 14.64 150.0 Z 1.05 64.61 15.60 150.0 10316- AAB OFDM, 6 Mbps, 96pc duty cycle) Y 4.26 66.54 16.02 150.0 Z 4.33 66.93 16.20 150.0 IEEE 802.11a WiFi 5 GHz (OFDM, 6 X 4.73 67.01 16.61 0.17 150.0 IEEE 802.11a WiFi 5 GHz (OFDM, 6 X 4.73 67.01 16.61 0.17 150.0 IEEE 802.11a WiFi 5 GHz (OFDM, 6 X 4.73 67.01 16.61 0.17 150.0 IEEE 802.11a WiFi 5 GHz (OFDM, 6 X 4.73 67.01 16.61 0.17 150.0 IEEE 802.11a WiFi 5 GHz (OFDM, 6 X 4.73 67.01 16.61 0.17 150.0 IEEE 802.11a WiFi 5 GHz (OFDM, 6 X 4.73 67.01 16.61 0.17 150.0 IEEE 802.11a WiFi 5 GHz (OFDM, 6 X 4.73 67.01 16.61 0.17 150.0 IEEE 802.11ac WiFi (20MHz, 64-QAM, AD 99pc duty cycle) Y 4.34 66.87 16.07 150.0 IEEE 802.11ac WiFi (40MHz, 64-QAM, AD 99pc duty cycle) Y 4.34 66.87 16.07 150.0 Z 4.43 67.29 16.28 150.0 IEEE 802.11ac WiFi (40MHz, 64-QAM, AD 99pc duty cycle) Y 5.01 66.69 16.10 150.0 | | | | | | | | | |
| 10315- IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 X 1.16 66.05 17.04 0.17 150.0 ± 9.6 % | 10314- AAA | iDEN 1:6 | | | | | 10.00 | | ± 9.6 % |
| 10315- AAB Mbps, 96pc duty cycle) X 1.16 66.05 17.04 0.17 150.0 ± 9.6 % | | | | | | | | | |
| AAB Mbps, 96pc duty cycle) Y 0.93 63.42 14.64 150.0 Z 1.05 64.61 15.60 150.0 10316- AAB OFDM, 6 Mbps, 96pc duty cycle) Y 4.26 66.54 16.02 150.0 Z 4.33 66.93 16.20 150.0 10317- AAC Mbps, 96pc duty cycle) Y 4.26 66.54 16.02 150.0 Z 4.33 66.93 16.20 150.0 Y 4.26 66.54 16.02 150.0 Z 4.33 66.93 16.20 150.0 Y 4.26 66.54 16.02 150.0 Z 4.33 66.93 16.20 150.0 EEE 802.11a WiFi 5 GHz (OFDM, 6 X 4.73 67.01 16.61 0.17 150.0 ± 9.6 % AAC Mbps, 96pc duty cycle) Y 4.26 66.54 16.02 150.0 Z 4.33 66.93 16.20 150.0 EEE 802.11ac WiFi (20MHz, 64-QAM, X 4.88 67.37 16.57 0.00 150.0 ± 9.6 % AAD 99pc duty cycle) Y 4.34 66.87 16.07 150.0 Z 4.42 67.29 16.28 150.0 IEEE 802.11ac WiFi (40MHz, 64-QAM, X 5.47 67.30 16.56 0.00 150.0 ± 9.6 % 99pc duty cycle) Y 5.01 66.69 16.10 150.0 | | | | | | | | | |
| 10316- | 10315- AAB | | | | | | 0.17 | | ± 9.6 % |
| 10316- AAB | | | | | | | | | |
| AAB OFDM, 6 Mbps, 96pc duty cycle) Y 4.26 66.54 16.02 150.0 Z 4.33 66.93 16.20 150.0 10317- AAC Mbps, 96pc duty cycle) Y 4.26 66.54 16.02 150.0 Y 4.26 66.54 16.02 150.0 Y 4.26 66.54 16.02 150.0 Z 4.33 66.93 16.20 150.0 Z 4.33 66.93 16.20 150.0 Z 4.33 66.93 16.20 150.0 IEEE 802.11ac WiFi (20MHz, 64-QAM, X 4.88 67.37 16.57 0.00 150.0 ± 9.6 % 99pc duty cycle) Y 4.34 66.87 16.07 150.0 Z 4.42 67.29 16.28 150.0 IEEE 802.11ac WiFi (40MHz, 64-QAM, X 5.47 67.30 16.56 0.00 150.0 ± 9.6 % 99pc duty cycle) Y 5.01 66.69 16.10 150.0 | 100/- | | | | | | | | |
| Z 4.33 66.93 16.20 150.0 10317- AAC Mbps, 96pc duty cycle) Y 4.26 66.54 16.02 150.0 Z 4.33 66.93 16.20 150.0 ± 9.6 % AC Mbps, 96pc duty cycle) Y 4.26 66.54 16.02 150.0 Z 4.33 66.93 16.20 150.0 D 10400- AAD 99pc duty cycle) Y 4.34 66.87 16.07 150.0 Z 4.42 67.29 16.28 150.0 AC AAD 99pc duty cycle) Y 5.01 66.69 16.10 150.0 | 10316- AAB | | | (000.00 | | | 0.17 | | ± 9.6 % |
| 10317- IEEE 802.11a WiFi 5 GHz (OFDM, 6 X 4.73 67.01 16.61 0.17 150.0 ± 9.6 % | | | | | | | | | 100.0 |
| AAC Mbps, 96pc duty cycle) Y 4.26 66.54 16.02 150.0 Z 4.33 66.93 16.20 150.0 10400- AAD 99pc duty cycle) Y 4.34 66.87 16.07 150.0 Z 4.42 67.29 16.28 150.0 10401- AAD 99pc duty cycle) Y 5.01 66.69 16.10 150.0 | | | | | | | | | |
| Z 4.33 66.93 16.20 150.0 10400- IEEE 802.11ac WiFi (20MHz, 64-QAM, AD 99pc duty cycle) Y 4.34 66.87 16.07 150.0 ± 9.6 % | 10317- AAC | | | | | | 0.17 | | ± 9.6 % |
| 10400- AAD 99pc duty cycle) X 4.88 67.37 16.57 0.00 150.0 ± 9.6 % | | | | | | | | | |
| AAD 99pc duty cycle) Y 4.34 66.87 16.07 150.0 Z 4.42 67.29 16.28 150.0 10401- AAD 99pc duty cycle) Y 5.01 66.69 16.10 150.0 | 10100 | | | | | | | | |
| Z 4.42 67.29 16.28 150.0 10401- IEEE 802.11ac WiFi (40MHz, 64-QAM, X 5.47 67.30 16.56 0.00 150.0 ± 9.6 % AAD 99pc duty cycle) Y 5.01 66.69 16.10 150.0 | 10400- AAD | | | | | | 0.00 | | ± 9.6 % |
| 10401- IEEE 802.11ac WiFi (40MHz, 64-QAM, X 5.47 67.30 16.56 0.00 150.0 ± 9.6 % AAD 99pc duty cycle) Y 5.01 66.69 16.10 150.0 | | | | | | | | | |
| AAD 99pc duty cycle) Y 5.01 66.69 16.10 150.0 | | | | | | | | | |
| | 10401- AAD | , | | | | | 0.00 | | ± 9.6 % |
| Z 5.06 66.98 16.22 150.0 | | | | | | | | | |
| | | | Z | 5.06 | 66.98 | 16.22 | | 150.0 | |

Certificate No: EX3-3866_May18

Page 24 of 39



May 31, 2018

| 10402- | IEEE 802.11ac WiFi (80MHz, 64-QAM, | X | 5.79 | 67.90 | 16.70 | 0.00 | 150.0 | ± 9.6 % |
|---------------|--|---|--------|--------|-------|------|--------|---------|
| AAD | 99pc duty cycle) | | | 07.00 | 10.00 | | 1500 | |
| | | Y | 5.35 | 67.26 | 16.28 | | 150.0 | |
| | | Z | 5.41 | 67.60 | 16.42 | | 150.0 | |
| 10403- AAB | CDMA2000 (1xEV-DO, Rev. 0) | Х | 2.75 | 78.00 | 19.03 | 0.00 | 115.0 | ± 9.6 % |
| | | Y | 0.70 | 62.51 | 8.57 | | 115.0 | |
| | | Z | 1.12 | 67.63 | 11.97 | | 115.0 | |
| 10404- AAB | CDMA2000 (1xEV-DO, Rev. A) | Х | 2.75 | 78.00 | 19.03 | 0.00 | 115.0 | ± 9.6 % |
| | | Y | 0.70 | 62.51 | 8.57 | | 115.0 | |
| | | Z | 1.12 | 67.63 | 11.97 | | 115.0 | |
| 10406- AAB | CDMA2000, RC3, SO32, SCH0, Full Rate | X | 100.00 | 123.03 | 31.57 | 0.00 | 100.0 | ± 9.6 % |
| | | Y | 100.00 | 117.10 | 27.58 | | 100.0 | |
| | | Z | 100.00 | 109.91 | 24.19 | | 100.0 | |
| 10410- AAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4) | X | 100.00 | 120.76 | 30.39 | 3.23 | 80.0 | ± 9.6 % |
| | | Y | 3.18 | 76.22 | 16.11 | | 80.0 | |
| | | Z | 78.58 | 113.88 | 26.30 | | 80.0 | |
| 10415- AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle) | X | 1.05 | 64.68 | 16.23 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 0.87 | 62.79 | 14.21 | | 150.0 | |
| | | Z | 0.99 | 64.00 | 15.22 | | 150.0 | |
| 10416- AAA | IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 99pc duty cycle) | X | 4.67 | 66.98 | 16.52 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.24 | 66.64 | 16.05 | | 150.0 | |
| | | Z | 4.32 | 67.06 | 16.26 | | 150.0 | |
| 10417- AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle) | Х | 4.67 | 66.98 | 16.52 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.24 | 66.64 | 16.05 | | 150.0 | |
| | | Z | 4.32 | 67.06 | 16.26 | | 150.0 | |
| 10418- AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule) | Х | 4.66 | 67.14 | 16.54 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.23 | 66.84 | 16.10 | | 150.0 | |
| | | Z | 4.32 | 67.29 | 16.32 | | 150.0 | |
| 10419- AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule) | X | 4.68 | 67.09 | 16.54 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.25 | 66.77 | 16.09 | | 150.0 | |
| | | Z | 4.33 | 67.21 | 16.30 | | 150.0 | |
| 10422- AAB | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) | Х | 4.81 | 67.07 | 16.54 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.35 | 66.75 | 16.10 | | 150.0 | |
| | | Z | 4.43 | 67.17 | 16.30 | | 150.0 | |
| 10423- AAB | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) | Х | 5.01 | 67.46 | 16.67 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.48 | 67.01 | 16.19 | | 150.0 | |
| | | Z | 4.56 | 67.42 | 16.39 | | 150.0 | |
| 10424- AAB | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) | Х | 4.92 | 67.40 | 16.65 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 4.41 | 66.96 | 16.17 | | 150.0 | |
| | | Z | 4.49 | 67.38 | 16.37 | | 150.0 | |
| 10425- AAB | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) | Х | 5.46 | 67.60 | 16.71 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 5.04 | 67.16 | 16.36 | | 150.0 | |
| | | Z | 5.09 | 67.45 | 16.48 | | 150.0 | |
| 10426- AAB | IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) | Х | 5.48 | 67.64 | 16.73 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 5.06 | 67.25 | 16.40 | | 150.0 | |
| | | Z | 5.10 | 67.50 | 16.50 | | 150.0 | |
| | | | | | | | 1.00.0 | |

Certificate No: EX3-3866_May18

Page 25 of 39

EX3DV4- SN:3866 May 31, 2018

| 10427- AAB | IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) | X | 5.50 | 67.67 | 16.74 | 0.00 | 150.0 | ± 9.6 % |
|---------------|--|---|--------------|----------------|-------|------|----------------|---------|
| | | Υ | 5.02 | 67.03 | 16.29 | | 150.0 | |
| | | Z | 5.07 | 67.33 | 16.42 | | 150.0 | |
| 10430- AAB | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) | Х | 4.58 | 71.57 | 18.98 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 4.37 | 73.37 | 18.78 | | 150.0 | |
| | | Z | 4.58 | 74.27 | 19.24 | | 150.0 | - |
| 10431- AAB | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) | X | 4.43 | 67.66 | 16.67 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 3.85 | 67.22 | 15.90 | | 150.0 | |
| | | Z | 3.95 | 67.77 | 16.20 | | 150.0 | |
| 10432- AAB | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) | X | 4.71 | 67.49 | 16.65 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.17 | 67.06 | 16.08 | | 150.0 | |
| 10100 | | Z | 4.26 | 67.52 | 16.32 | | 150.0 | |
| 10433- AAB | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) | Х | 4.94 | 67.46 | 16.68 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.43 | 67.00 | 16.19 | | 150.0 | |
| 10424 | W CDMA (DO Tank) | Z | 4.51 | 67.42 | 16.39 | | 150.0 | |
| 10434- AAA | W-CDMA (BS Test Model 1, 64 DPCH) | X | 4.75 | 72.61 | 19.13 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 4.53 | 74.33 | 18.54 | | 150.0 | |
| 10105 | LTE TOD (CO FOLIA 4 DD CO : :: | Z | 4.89 | 75.74 | 19.25 | | 150.0 | |
| 10435- AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | X | 100.00 | 120.56 | 30.30 | 3.23 | 80.0 | ± 9.6 % |
| | | Y | 3.04 | 75.61 | 15.84 | | 80.0 | |
| 10117 | LTE EDD (OFDLIA FAIL) | Z | 56.33 | 109.76 | 25.31 | | 80.0 | |
| 10447- AAB | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) | X | 3.79 | 67.99 | 16.38 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 3.07 | 66.89 | 14.62 | | 150.0 | |
| | | Z | 3.22 | 67.78 | 15.17 | | 150.0 | |
| 10448- AAB | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) | Х | 4.25 | 67.46 | 16.55 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 3.72 | 67.01 | 15.77 | | 150.0 | |
| 10110 | 1 TT 500 (050) | Z | 3.82 | 67.58 | 16.09 | | 150.0 | |
| 10449- AAB | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) | Х | 4.50 | 67.35 | 16.57 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 4.01 | 66.89 | 15.98 | | 150.0 | |
| 10150 | 175 500 (050) | Z | 4.11 | 67.38 | 16.24 | | 150.0 | |
| 10450- AAB | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | Х | 4.67 | 67.24 | 16.56 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 4.23 | 66.77 | 16.04 | | 150.0 | |
| 10451 | W ODMA (DO T | Z | 4.31 | 67.22 | 16.26 | 0.00 | 150.0 | |
| 10451- AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) | X | 3.75 | 68.42 | 16.22 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 2.85 | 66.52 | 13.77 | | 150.0 | |
| 10150 | IEEE 000 44 | Z | 3.02 | 67.54 | 14.42 | | 150.0 | |
| 10456- AAB | IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle) | X | 6.32 | 68.21 | 16.86 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 5.95 | 67.65 | 16.50 | | 150.0 | |
| 1015- | | Z | 5.98 | 67.88 | 16.58 | | 150.0 | |
| 10457- AAA | UMTS-FDD (DC-HSDPA) | X | 3.85 | 65.62 | 16.28 | 0.00 | 150.0 | ± 9.6 % |
| | | Y | 3.59 | 65.37 | 15.78 | | 150.0 | |
| 1015 | 001440000 (4 5)45 5 5 5 | Z | 3.67 | 65.81 | 16.00 | | 150.0 | |
| 10458- AAA | CDMA2000 (1xEV-DO, Rev. B, 2 carriers) | X | 4.29 | 71.53 | 18.51 | 0.00 | 150.0 | ± 9.6 % |
| | | Υ | 3.72 | 71.59 | 16.70 | | 150.0 | |
| 404=- | 001110101111111111111111111111111111111 | Z | 4.10 | 73.31 | 17.61 | | 150.0 | |
| 10459- AAA | CDMA2000 (1xEV-DO, Rev. B, 3 carriers) | Х | 5.31 | 68.36 | 18.52 | 0.00 | 150.0 | ± 9.6 % |
| | | | | | | | | |
| | | Υ | 5.07 5.02 | 70.41 70.25 | 18.52 | | 150.0 150.0 | |

Certificate No: EX3-3866_May18

Page 26 of 39

May 31, 2018

EX3DV4- SN:3866

| 10460- AAA | UMTS-FDD (WCDMA, AMR) | X | 1.40 | 77.62 | 21.27 | 0.00 | 150.0 | ± 9.6 % |
|---------------|--|---|--------|--------|-------|------|-------|---------|
| | | Y | 0.75 | 68.40 | 15.27 | | 150.0 | |
| | | Z | 1.01 | 72.28 | 18.04 | | 150.0 | |
| 10461- AAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | Х | 100.00 | 126.30 | 32.98 | 3.29 | 80.0 | ± 9.6 % |
| | | Y | 2.35 | 74.20 | 16.26 | | 80.0 | |
| | | Z | 35.66 | 109.26 | 26.58 | | 80.0 | |
| 10462- AAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | Х | 100.00 | 108.10 | 24.46 | 3.23 | 80.0 | ± 9.6 % |
| | | Y | 0.83 | 60.00 | 7.13 | | 80.0 | |
| | | Z | 0.75 | 60.00 | 6.53 | | 80.0 | |
| 10463- AAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 100.00 | 104.48 | 22.76 | 3.23 | 80.0 | ± 9.6 % |
| | | Y | 0.85 | 60.00 | 6.59 | | 80.0 | |
| 10101 | 175 700 100 50111 1 00 0111 | Z | 0.40 | 56.01 | 3.87 | | 80.0 | |
| 10464- AAA | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | × | 100.00 | 124.03 | 31.77 | 3.23 | 80.0 | ± 9.6 % |
| | | Y | 1.51 | 68.70 | 13.51 | | 80.0 | |
| 1016= | 1 TE TOD (00 FD14) | Z | 9.76 | 91.36 | 21.16 | | 80.0 | |
| 10465- AAA | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9) | × | 100.00 | 107.45 | 24.15 | 3.23 | 80.0 | ± 9.6 % |
| | | Y | 0.83 | 60.00 | 7.07 | | 80.0 | |
| 10100 | | Z | 0.75 | 60.00 | 6.47 | | 80.0 | |
| 10466- AAA | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9) | × | 100.00 | 103.90 | 22.49 | 3.23 | 80.0 | ± 9.6 % |
| | | Υ | 0.85 | 60.00 | 6.56 | | 80.0 | |
| | | Z | 0.40 | 55.93 | 3.78 | | 80.0 | |
| 10467- AAC | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | X | 100.00 | 124.29 | 31.88 | 3.23 | 80.0 | ± 9.6 % |
| | | Υ | 1.59 | 69.38 | 13.82 | | 80.0 | |
| | | Z | 13.19 | 94.99 | 22.17 | | 80.0 | |
| 10468- AAC | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9) | X | 100.00 | 107.63 | 24.22 | 3.23 | 80.0 | ± 9.6 % |
| | | Y | 0.83 | 60.00 | 7.09 | | 80.0 | |
| | | Z | 0.75 | 60.00 | 6.49 | | 80.0 | |
| 10469- AAC | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9) | X | 100.00 | 103.91 | 22.49 | 3.23 | 80.0 | ± 9.6 % |
| | | Υ | 0.85 | 60.00 | 6.56 | | 80.0 | |
| | | Z | 0.39 | 55.93 | 3.78 | | 80.0 | |
| 10470- AAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | X | 100.00 | 124.33 | 31.89 | 3.23 | 80.0 | ± 9.6 % |
| | | Y | 1.58 | 69.35 | 13.80 | | 80.0 | |
| 101-1 | LIFE TOD (OO FOLK) | Z | 13.38 | 95.15 | 22.20 | | 80.0 | |
| 10471- AAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9) | X | 100.00 | 107.56 | 24.19 | 3.23 | 80.0 | ± 9.6 % |
| | | Y | 0.83 | 60.00 | 7.07 | | 80.0 | |
| | LIFE TOP (OO FOLK) | Z | 0.75 | 60.00 | 6.47 | | 80.0 | |
| 10472- AAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9) | X | 100.00 | 103.85 | 22.45 | 3.23 | 80.0 | ± 9.6 % |
| | | Y | 0.85 | 60.00 | 6.54 | | 80.0 | |
| | LITE TOD (OO FOM) A DO ASSESS | Z | 0.39 | 55.90 | 3.75 | 0.00 | 80.0 | |
| 10473- AAC | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | X | 100.00 | 124.29 | 31.87 | 3.23 | 80.0 | ± 9.6 % |
| | | Y | 1.58 | 69.31 | 13.78 | | 80.0 | |
| 10171 | LITE TOD (OO FOM) A DO AS AND AS | Z | 13.13 | 94.92 | 22.13 | | 80.0 | |
| 10474- AAC | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9) | X | 100.00 | 107.57 | 24.19 | 3.23 | 80.0 | ± 9.6 % |
| | | Υ | 0.83 | 60.00 | 7.07 | | 80.0 | |
| | | Z | 0.75 | 60.00 | 6.47 | | 80.0 | |
| 10475- AAC | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9) | X | 100.00 | 103.86 | 22.46 | 3.23 | 80.0 | ± 9.6 % |
| | | Υ | 0.85 | 60.00 | 6.54 | | 80.0 | |
| | | Z | 0.39 | 55.90 | 3.74 | | 80.0 | |
| _ | | | | | | | | |



EX3DV4- SN:3866 May 31, 2018

| 10477- AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9) | Х | 100.00 | 107.39 | 24.10 | 3.23 | 80.0 | ± 9.6 % |
|---------------|--|---|--------|--------|-------|------|------|---------|
| | | Y | 0.83 | 60.00 | 7.05 | | 80.0 | |
| | | Z | 0.75 | 60.00 | 6.44 | | 80.0 | |
| 10478- AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9) | Х | 100.00 | 103.80 | 22.43 | 3.23 | 80.0 | ± 9.6 % |
| | | Υ | 0.85 | 60.00 | 6.53 | | 80.0 | |
| | | Z | 0.39 | 55.88 | 3.72 | | 80.0 | |
| 10479- AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | Х | 23.06 | 103.54 | 29.04 | 3.23 | 80.0 | ± 9.6 % |
| | | Y | 4.59 | 78.87 | 18.85 | | 80.0 | |
| | | Z | 12.39 | 93.46 | 23.77 | | 80.0 | |
| 10480- AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | Х | 32.23 | 101.31 | 26.46 | 3.23 | 80.0 | ± 9.6 % |
| | | Y | 2.07 | 65.46 | 11.71 | | 80.0 | |
| | | Z | 3.38 | 71.42 | 14.04 | | 80.0 | |
| 10481- AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | Х | 24.84 | 96.55 | 24.79 | 3.23 | 80.0 | ± 9.6 % |
| | | Y | 1.68 | 62.96 | 10.18 | | 80.0 | |
| | | Z | 2.13 | 66.13 | 11.52 | | 80.0 | |
| 10482- AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | Х | 8.69 | 87.44 | 23.23 | 2.23 | 80.0 | ± 9.6 % |
| | | Υ | 1.28 | 62.37 | 10.50 | | 80.0 | |
| | | Z | 1.61 | 65.30 | 12.32 | | 80.0 | |
| 10483- AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 12.81 | 88.81 | 23.25 | 2.23 | 80.0 | ± 9.6 % |
| | | Y | 1.51 | 61.13 | 9.30 | | 80.0 | |
| | | Z | 1.73 | 62.99 | 10.34 | | 80.0 | |
| 10484- AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | Х | 11.02 | 86.39 | 22.50 | 2.23 | 80.0 | ± 9.6 % |
| | | Y | 1.51 | 60.88 | 9.17 | | 80.0 | |
| | | Z | 1.69 | 62.51 | 10.10 | | 80.0 | |
| 10485- AAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | Х | 7.38 | 85.35 | 23.29 | 2.23 | 80.0 | ± 9.6 % |
| | | Y | 1.98 | 67.26 | 14.31 | | 80.0 | |
| | | Z | 2.45 | 70.47 | 16.06 | | 80.0 | |
| 10486- AAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 5.03 | 75.84 | 19.54 | 2.23 | 80.0 | ± 9.6 % |
| | | Y | 1.93 | 63.77 | 11.98 | | 80.0 | |
| | | Z | 2.23 | 65.83 | 13.21 | | 80.0 | |
| 10487- AAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | Х | 4.91 | 75.07 | 19.24 | 2.23 | 80.0 | ± 9.6 % |
| | | Y | 1.94 | 63.53 | 11.85 | | 80.0 | |
| | | Z | 2.22 | 65.44 | 13.00 | | 80.0 | |
| 10488- AAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | X | 6.15 | 80.63 | 22.07 | 2.23 | 80.0 | ± 9.6 % |
| | | Υ | 2.61 | 69.10 | 16.50 | | 80.0 | |
| | | Z | 2.91 | 70.97 | 17.56 | | 80.0 | |
| 10489- AAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 4.57 | 72.97 | 19.30 | 2.23 | 80.0 | ± 9.6 % |
| | | Υ | 2.75 | 66.79 | 15.40 | | 80.0 | |
| | | Z | 2.97 | 68.13 | 16.17 | | 80.0 | |
| 10490- AAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | Х | 4.59 | 72.45 | 19.10 | 2.23 | 80.0 | ± 9.6 % |
| | | Υ | 2.83 | 66.71 | 15.38 | | 80.0 | |
| | | Z | 3.04 | 67.98 | 16.11 | | 80.0 | |
| 10491- AAC | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | Х | 5.51 | 76.55 | 20.60 | 2.23 | 80.0 | ± 9.6 % |
| | | Υ | 2.96 | 68.43 | 16.57 | | 80.0 | |
| | | Z | 3.19 | 69.77 | 17.33 | | 80.0 | |
| 10492- AAC | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | Х | 4.67 | 71.20 | 18.75 | 2.23 | 80.0 | ± 9.6 % |
| | | Υ | 3.17 | 66.63 | 15.90 | | 80.0 | |
| | | Z | 3.33 | 67.56 | 16.44 | | 80.0 | |

Certificate No: EX3-3866_May18

Page 28 of 39