



EX3DV4- SN:3759

December 16, 2016

|           |                                            |   |       |       |       |      |       |         |
|-----------|--------------------------------------------|---|-------|-------|-------|------|-------|---------|
| 10168-CAD | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | X | 4.92  | 75.00 | 20.95 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 5.05  | 74.92 | 20.91 |      | 150.0 |         |
|           |                                            | Z | 4.86  | 74.20 | 20.52 |      | 150.0 |         |
| 10169-CAC | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)      | X | 2.94  | 68.69 | 18.63 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.06  | 69.43 | 19.00 |      | 150.0 |         |
|           |                                            | Z | 2.97  | 68.51 | 18.42 |      | 150.0 |         |
| 10170-CAC | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)    | X | 4.15  | 75.29 | 21.28 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 4.43  | 76.35 | 21.68 |      | 150.0 |         |
|           |                                            | Z | 4.11  | 74.52 | 20.83 |      | 150.0 |         |
| 10171-AAC | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)    | X | 3.30  | 70.50 | 18.18 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.54  | 71.68 | 18.72 |      | 150.0 |         |
|           |                                            | Z | 3.31  | 70.02 | 17.86 |      | 150.0 |         |
| 10172-CAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)      | X | 5.72  | 82.17 | 24.47 | 6.02 | 65.0  | ± 9.6 % |
|           |                                            | Y | 9.41  | 91.72 | 28.09 |      | 65.0  |         |
|           |                                            | Z | 7.05  | 84.62 | 25.03 |      | 65.0  |         |
| 10173-CAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)    | X | 10.09 | 89.06 | 25.03 | 6.02 | 65.0  | ± 9.6 % |
|           |                                            | Y | 16.80 | 97.79 | 27.98 |      | 65.0  |         |
|           |                                            | Z | 9.48  | 86.64 | 24.01 |      | 65.0  |         |
| 10174-CAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)    | X | 7.37  | 83.04 | 22.50 | 6.02 | 65.0  | ± 9.6 % |
|           |                                            | Y | 11.94 | 90.83 | 25.28 |      | 65.0  |         |
|           |                                            | Z | 6.31  | 79.38 | 21.04 |      | 65.0  |         |
| 10175-CAD | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)      | X | 2.90  | 68.35 | 18.36 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.02  | 69.11 | 18.74 |      | 150.0 |         |
|           |                                            | Z | 2.93  | 68.17 | 18.15 |      | 150.0 |         |
| 10176-CAD | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)    | X | 4.15  | 75.31 | 21.29 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 4.43  | 76.38 | 21.69 |      | 150.0 |         |
|           |                                            | Z | 4.12  | 74.55 | 20.84 |      | 150.0 |         |
| 10177-CAF | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)       | X | 2.92  | 68.51 | 18.47 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.05  | 69.27 | 18.84 |      | 150.0 |         |
|           |                                            | Z | 2.95  | 68.34 | 18.26 |      | 150.0 |         |
| 10178-CAD | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)     | X | 4.11  | 75.05 | 21.16 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 4.38  | 76.11 | 21.55 |      | 150.0 |         |
|           |                                            | Z | 4.07  | 74.28 | 20.70 |      | 150.0 |         |
| 10179-CAD | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)    | X | 3.67  | 72.68 | 19.56 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.93  | 73.84 | 20.04 |      | 150.0 |         |
|           |                                            | Z | 3.66  | 72.05 | 19.16 |      | 150.0 |         |
| 10180-CAD | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)     | X | 3.29  | 70.43 | 18.13 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.53  | 71.60 | 18.66 |      | 150.0 |         |
|           |                                            | Z | 3.30  | 69.94 | 17.80 |      | 150.0 |         |
| 10181-CAC | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)      | X | 2.92  | 68.49 | 18.46 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.04  | 69.25 | 18.83 |      | 150.0 |         |
|           |                                            | Z | 2.95  | 68.32 | 18.25 |      | 150.0 |         |
| 10182-CAC | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)    | X | 4.10  | 75.03 | 21.14 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 4.37  | 76.08 | 21.54 |      | 150.0 |         |
|           |                                            | Z | 4.06  | 74.26 | 20.69 |      | 150.0 |         |
| 10183-AAB | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)    | X | 3.29  | 70.40 | 18.12 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.52  | 71.58 | 18.65 |      | 150.0 |         |
|           |                                            | Z | 3.30  | 69.92 | 17.79 |      | 150.0 |         |



EX3DV4- SN:3759

December 16, 2016

|           |                                               |   |      |       |       |      |       |         |
|-----------|-----------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10184-CAD | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)          | X | 2.93 | 68.54 | 18.48 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 3.05 | 69.29 | 18.86 |      | 150.0 |         |
|           |                                               | Z | 2.96 | 68.36 | 18.28 |      | 150.0 |         |
| 10185-CAD | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)        | X | 4.12 | 75.11 | 21.19 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.39 | 76.16 | 21.58 |      | 150.0 |         |
|           |                                               | Z | 4.08 | 74.34 | 20.73 |      | 150.0 |         |
| 10186-AAD | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)        | X | 3.30 | 70.47 | 18.15 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 3.54 | 71.65 | 18.69 |      | 150.0 |         |
|           |                                               | Z | 3.31 | 69.98 | 17.83 |      | 150.0 |         |
| 10187-CAD | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)        | X | 2.94 | 68.60 | 18.55 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 3.06 | 69.34 | 18.92 |      | 150.0 |         |
|           |                                               | Z | 2.97 | 68.41 | 18.34 |      | 150.0 |         |
| 10188-CAD | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)      | X | 4.28 | 75.90 | 21.62 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.56 | 76.93 | 22.00 |      | 150.0 |         |
|           |                                               | Z | 4.23 | 75.10 | 21.16 |      | 150.0 |         |
| 10189-AAD | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)      | X | 3.38 | 70.93 | 18.45 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 3.63 | 72.12 | 18.98 |      | 150.0 |         |
|           |                                               | Z | 3.39 | 70.42 | 18.11 |      | 150.0 |         |
| 10193-CAB | IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)  | X | 4.51 | 66.56 | 16.08 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.56 | 66.52 | 16.10 |      | 150.0 |         |
|           |                                               | Z | 4.53 | 66.54 | 16.07 |      | 150.0 |         |
| 10194-CAB | IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) | X | 4.67 | 66.86 | 16.21 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.74 | 66.84 | 16.22 |      | 150.0 |         |
|           |                                               | Z | 4.71 | 66.85 | 16.19 |      | 150.0 |         |
| 10195-CAB | IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) | X | 4.71 | 66.89 | 16.23 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.78 | 66.87 | 16.24 |      | 150.0 |         |
|           |                                               | Z | 4.75 | 66.88 | 16.21 |      | 150.0 |         |
| 10196-CAB | IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)       | X | 4.51 | 66.61 | 16.10 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.57 | 66.59 | 16.12 |      | 150.0 |         |
|           |                                               | Z | 4.54 | 66.60 | 16.09 |      | 150.0 |         |
| 10197-CAB | IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)      | X | 4.68 | 66.88 | 16.22 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.75 | 66.87 | 16.23 |      | 150.0 |         |
|           |                                               | Z | 4.72 | 66.87 | 16.21 |      | 150.0 |         |
| 10198-CAB | IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)      | X | 4.71 | 66.91 | 16.24 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.78 | 66.89 | 16.25 |      | 150.0 |         |
|           |                                               | Z | 4.75 | 66.90 | 16.22 |      | 150.0 |         |
| 10219-CAB | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)       | X | 4.45 | 66.63 | 16.06 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.52 | 66.60 | 16.08 |      | 150.0 |         |
|           |                                               | Z | 4.49 | 66.61 | 16.05 |      | 150.0 |         |
| 10220-CAB | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)    | X | 4.68 | 66.85 | 16.21 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.75 | 66.84 | 16.23 |      | 150.0 |         |
|           |                                               | Z | 4.71 | 66.84 | 16.20 |      | 150.0 |         |
| 10221-CAB | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)    | X | 4.72 | 66.84 | 16.22 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.79 | 66.82 | 16.24 |      | 150.0 |         |
|           |                                               | Z | 4.76 | 66.83 | 16.21 |      | 150.0 |         |
| 10222-CAB | IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)        | X | 5.05 | 67.00 | 16.34 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 5.11 | 67.02 | 16.35 |      | 150.0 |         |
|           |                                               | Z | 5.08 | 67.01 | 16.32 |      | 150.0 |         |



EX3DV4- SN:3759

December 16, 2016

|           |                                           |   |       |       |       |      |       |         |
|-----------|-------------------------------------------|---|-------|-------|-------|------|-------|---------|
| 10223-CAB | IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)  | X | 5.36  | 67.23 | 16.47 | 0.00 | 150.0 | ± 9.6 % |
|           |                                           | Y | 5.41  | 67.21 | 16.46 |      | 150.0 |         |
|           |                                           | Z | 5.38  | 67.21 | 16.44 |      | 150.0 |         |
| 10224-CAB | IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM) | X | 5.10  | 67.11 | 16.32 | 0.00 | 150.0 | ± 9.6 % |
|           |                                           | Y | 5.15  | 67.13 | 16.33 |      | 150.0 |         |
|           |                                           | Z | 5.13  | 67.12 | 16.30 |      | 150.0 |         |
| 10225-CAB | UMTS-FDD (HSPA+)                          | X | 2.77  | 65.98 | 15.15 | 0.00 | 150.0 | ± 9.6 % |
|           |                                           | Y | 2.83  | 65.95 | 15.28 |      | 150.0 |         |
|           |                                           | Z | 2.80  | 65.95 | 15.20 |      | 150.0 |         |
| 10226-CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)  | X | 10.78 | 90.30 | 25.53 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 18.21 | 99.33 | 28.54 |      | 65.0  |         |
|           |                                           | Z | 10.03 | 87.70 | 24.46 |      | 65.0  |         |
| 10227-CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)  | X | 10.09 | 87.96 | 24.17 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 15.63 | 95.15 | 26.65 |      | 65.0  |         |
|           |                                           | Z | 9.34  | 85.43 | 23.15 |      | 65.0  |         |
| 10228-CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)    | X | 7.31  | 87.01 | 26.28 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 10.95 | 94.84 | 29.18 |      | 65.0  |         |
|           |                                           | Z | 7.62  | 86.37 | 25.74 |      | 65.0  |         |
| 10229-CAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)    | X | 10.17 | 89.17 | 25.07 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 16.93 | 97.90 | 28.02 |      | 65.0  |         |
|           |                                           | Z | 9.55  | 86.74 | 24.06 |      | 65.0  |         |
| 10230-CAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)    | X | 9.50  | 86.91 | 23.74 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 14.60 | 93.92 | 26.19 |      | 65.0  |         |
|           |                                           | Z | 8.89  | 84.56 | 22.78 |      | 65.0  |         |
| 10231-CAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)      | X | 7.01  | 86.13 | 25.89 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 10.42 | 93.80 | 28.76 |      | 65.0  |         |
|           |                                           | Z | 7.31  | 85.54 | 25.36 |      | 65.0  |         |
| 10232-CAC | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)    | X | 10.15 | 89.15 | 25.07 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 16.90 | 97.89 | 28.02 |      | 65.0  |         |
|           |                                           | Z | 9.53  | 86.72 | 24.05 |      | 65.0  |         |
| 10233-CAC | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)    | X | 9.48  | 86.89 | 23.74 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 14.57 | 93.90 | 26.19 |      | 65.0  |         |
|           |                                           | Z | 8.87  | 84.54 | 22.78 |      | 65.0  |         |
| 10234-CAC | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)      | X | 6.75  | 85.32 | 25.48 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 9.96  | 92.79 | 28.31 |      | 65.0  |         |
|           |                                           | Z | 7.05  | 84.75 | 24.97 |      | 65.0  |         |
| 10235-CAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)   | X | 10.16 | 89.18 | 25.07 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 16.93 | 97.93 | 28.03 |      | 65.0  |         |
|           |                                           | Z | 9.53  | 86.74 | 24.06 |      | 65.0  |         |
| 10236-CAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)   | X | 9.56  | 87.00 | 23.77 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 14.74 | 94.06 | 26.23 |      | 65.0  |         |
|           |                                           | Z | 8.94  | 84.63 | 22.80 |      | 65.0  |         |
| 10237-CAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)     | X | 7.01  | 86.17 | 25.90 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 10.44 | 93.88 | 28.79 |      | 65.0  |         |
|           |                                           | Z | 7.31  | 85.57 | 25.38 |      | 65.0  |         |
| 10238-CAC | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)   | X | 10.13 | 89.13 | 25.06 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 16.87 | 97.87 | 28.01 |      | 65.0  |         |
|           |                                           | Z | 9.51  | 86.70 | 24.04 |      | 65.0  |         |





EX3DV4-- SN:3759

December 16, 2016

|           |                                            |   |       |       |       |      |      |         |
|-----------|--------------------------------------------|---|-------|-------|-------|------|------|---------|
| 10239-CAC | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)    | X | 9.45  | 86.85 | 23.73 | 6.02 | 65.0 | ± 9.6 % |
|           |                                            | Y | 14.53 | 93.88 | 26.18 |      | 65.0 |         |
|           |                                            | Z | 8.85  | 84.51 | 22.77 |      | 65.0 |         |
| 10240-CAC | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)      | X | 6.99  | 86.13 | 25.89 | 6.02 | 65.0 | ± 9.6 % |
|           |                                            | Y | 10.41 | 93.83 | 28.77 |      | 65.0 |         |
|           |                                            | Z | 7.29  | 85.53 | 25.36 |      | 65.0 |         |
| 10241-CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | X | 7.79  | 79.73 | 24.31 | 6.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 8.42  | 81.17 | 25.17 |      | 65.0 |         |
|           |                                            | Z | 7.92  | 79.16 | 23.95 |      | 65.0 |         |
| 10242-CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | X | 6.94  | 77.37 | 23.25 | 6.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 7.74  | 79.42 | 24.37 |      | 65.0 |         |
|           |                                            | Z | 7.57  | 78.24 | 23.48 |      | 65.0 |         |
| 10243-CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)   | X | 5.66  | 74.09 | 22.69 | 6.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 6.19  | 75.82 | 23.73 |      | 65.0 |         |
|           |                                            | Z | 6.21  | 75.30 | 23.08 |      | 65.0 |         |
| 10244-CAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)   | X | 4.96  | 72.07 | 16.30 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 5.84  | 74.71 | 17.98 |      | 65.0 |         |
|           |                                            | Z | 5.20  | 72.29 | 16.57 |      | 65.0 |         |
| 10245-CAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)   | X | 4.88  | 71.59 | 16.05 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 5.75  | 74.21 | 17.72 |      | 65.0 |         |
|           |                                            | Z | 5.14  | 71.89 | 16.35 |      | 65.0 |         |
| 10246-CAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)     | X | 4.47  | 73.89 | 17.41 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 5.47  | 77.07 | 19.20 |      | 65.0 |         |
|           |                                            | Z | 4.77  | 74.32 | 17.73 |      | 65.0 |         |
| 10247-CAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)   | X | 4.63  | 71.67 | 17.14 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 5.15  | 73.39 | 18.35 |      | 65.0 |         |
|           |                                            | Z | 4.89  | 72.04 | 17.43 |      | 65.0 |         |
| 10248-CAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   | X | 4.65  | 71.25 | 16.95 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 5.17  | 72.96 | 18.15 |      | 65.0 |         |
|           |                                            | Z | 4.91  | 71.65 | 17.25 |      | 65.0 |         |
| 10249-CAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)     | X | 5.53  | 77.21 | 19.69 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 6.51  | 79.92 | 21.12 |      | 65.0 |         |
|           |                                            | Z | 5.73  | 77.18 | 19.73 |      | 65.0 |         |
| 10250-CAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)  | X | 5.62  | 74.50 | 20.04 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 6.03  | 75.68 | 20.80 |      | 65.0 |         |
|           |                                            | Z | 5.84  | 74.62 | 20.08 |      | 65.0 |         |
| 10251-CAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)  | X | 5.39  | 72.60 | 18.87 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 5.81  | 73.80 | 19.68 |      | 65.0 |         |
|           |                                            | Z | 5.61  | 72.77 | 18.95 |      | 65.0 |         |
| 10252-CAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)    | X | 6.09  | 77.92 | 20.96 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 6.81  | 79.77 | 21.91 |      | 65.0 |         |
|           |                                            | Z | 6.26  | 77.73 | 20.83 |      | 65.0 |         |
| 10253-CAC | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)  | X | 5.55  | 72.06 | 19.02 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 5.89  | 73.04 | 19.68 |      | 65.0 |         |
|           |                                            | Z | 5.75  | 72.20 | 19.06 |      | 65.0 |         |
| 10254-CAC | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)  | X | 5.90  | 73.00 | 19.76 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 6.23  | 73.89 | 20.36 |      | 65.0 |         |
|           |                                            | Z | 6.10  | 73.13 | 19.78 |      | 65.0 |         |



EX3DV4-- SN:3759

December 16, 2016

|           |                                             |   |      |       |       |      |      |         |
|-----------|---------------------------------------------|---|------|-------|-------|------|------|---------|
| 10255-CAC | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)     | X | 5.95 | 75.57 | 20.30 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 6.42 | 76.79 | 20.97 |      | 65.0 |         |
|           |                                             | Z | 6.12 | 75.49 | 20.20 |      | 65.0 |         |
| 10256-CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | X | 3.81 | 68.27 | 13.54 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 4.62 | 71.09 | 15.45 |      | 65.0 |         |
|           |                                             | Z | 4.13 | 68.93 | 14.09 |      | 65.0 |         |
| 10257-CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | X | 3.75 | 67.76 | 13.21 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 4.53 | 70.48 | 15.09 |      | 65.0 |         |
|           |                                             | Z | 4.08 | 68.47 | 13.80 |      | 65.0 |         |
| 10258-CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)   | X | 3.43 | 69.78 | 14.77 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 4.26 | 73.06 | 16.79 |      | 65.0 |         |
|           |                                             | Z | 3.77 | 70.67 | 15.39 |      | 65.0 |         |
| 10259-CAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)   | X | 5.02 | 72.74 | 18.20 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 5.50 | 74.25 | 19.24 |      | 65.0 |         |
|           |                                             | Z | 5.25 | 72.99 | 18.38 |      | 65.0 |         |
| 10260-CAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)   | X | 5.06 | 72.55 | 18.12 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 5.54 | 74.03 | 19.16 |      | 65.0 |         |
|           |                                             | Z | 5.30 | 72.82 | 18.32 |      | 65.0 |         |
| 10261-CAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)     | X | 5.53 | 76.85 | 19.97 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 6.33 | 79.10 | 21.18 |      | 65.0 |         |
|           |                                             | Z | 5.72 | 76.78 | 19.95 |      | 65.0 |         |
| 10262-CAC | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)   | X | 5.61 | 74.44 | 19.99 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 6.02 | 75.63 | 20.76 |      | 65.0 |         |
|           |                                             | Z | 5.82 | 74.57 | 20.04 |      | 65.0 |         |
| 10263-CAC | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)   | X | 5.38 | 72.58 | 18.86 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 5.80 | 73.78 | 19.67 |      | 65.0 |         |
|           |                                             | Z | 5.60 | 72.75 | 18.94 |      | 65.0 |         |
| 10264-CAC | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)     | X | 6.03 | 77.74 | 20.87 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 6.76 | 79.60 | 21.82 |      | 65.0 |         |
|           |                                             | Z | 6.20 | 77.56 | 20.75 |      | 65.0 |         |
| 10265-CAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)  | X | 5.64 | 72.49 | 19.24 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 6.02 | 73.58 | 19.91 |      | 65.0 |         |
|           |                                             | Z | 5.85 | 72.65 | 19.26 |      | 65.0 |         |
| 10266-CAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)  | X | 6.02 | 73.52 | 20.05 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 6.38 | 74.46 | 20.65 |      | 65.0 |         |
|           |                                             | Z | 6.24 | 73.65 | 20.06 |      | 65.0 |         |
| 10267-CAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)    | X | 6.18 | 76.05 | 20.30 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 6.71 | 77.35 | 20.96 |      | 65.0 |         |
|           |                                             | Z | 6.35 | 75.94 | 20.17 |      | 65.0 |         |
| 10268-CAC | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)  | X | 6.32 | 72.70 | 19.77 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 6.64 | 73.53 | 20.28 |      | 65.0 |         |
|           |                                             | Z | 6.53 | 72.85 | 19.78 |      | 65.0 |         |
| 10269-CAC | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)  | X | 6.32 | 72.36 | 19.68 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 6.62 | 73.14 | 20.18 |      | 65.0 |         |
|           |                                             | Z | 6.52 | 72.52 | 19.69 |      | 65.0 |         |
| 10270-CAC | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)    | X | 6.25 | 74.18 | 19.71 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 6.62 | 75.06 | 20.19 |      | 65.0 |         |
|           |                                             | Z | 6.43 | 74.17 | 19.63 |      | 65.0 |         |



EX3DV4- SN:3759

December 16, 2016

|           |                                                                    |   |      |       |       |      |       |         |
|-----------|--------------------------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10274-CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)                          | X | 2.56 | 66.31 | 15.06 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 2.60 | 66.23 | 15.15 |      | 150.0 |         |
|           |                                                                    | Z | 2.58 | 66.22 | 15.07 |      | 150.0 |         |
| 10275-CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)                           | X | 1.56 | 67.20 | 15.15 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 1.60 | 67.39 | 15.30 |      | 150.0 |         |
|           |                                                                    | Z | 1.57 | 67.13 | 15.13 |      | 150.0 |         |
| 10277-CAA | PHS (QPSK)                                                         | X | 2.51 | 62.11 | 7.79  | 9.03 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 2.65 | 62.75 | 8.40  |      | 50.0  |         |
|           |                                                                    | Z | 2.82 | 62.87 | 8.60  |      | 50.0  |         |
| 10278-CAA | PHS (QPSK, BW 884MHz, Rolloff 0.5)                                 | X | 4.25 | 69.59 | 14.12 | 9.03 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 5.28 | 73.26 | 16.24 |      | 50.0  |         |
|           |                                                                    | Z | 4.70 | 70.64 | 14.97 |      | 50.0  |         |
| 10279-CAA | PHS (QPSK, BW 884MHz, Rolloff 0.38)                                | X | 4.36 | 69.82 | 14.27 | 9.03 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 5.43 | 73.55 | 16.40 |      | 50.0  |         |
|           |                                                                    | Z | 4.80 | 70.86 | 15.10 |      | 50.0  |         |
| 10290-AAB | CDMA2000, RC1, SO55, Full Rate                                     | X | 1.34 | 67.70 | 13.35 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 1.45 | 68.27 | 13.99 |      | 150.0 |         |
|           |                                                                    | Z | 1.39 | 67.96 | 13.69 |      | 150.0 |         |
| 10291-AAB | CDMA2000, RC3, SO55, Full Rate                                     | X | 0.79 | 65.05 | 11.96 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 0.83 | 65.36 | 12.46 |      | 150.0 |         |
|           |                                                                    | Z | 0.81 | 65.16 | 12.22 |      | 150.0 |         |
| 10292-AAB | CDMA2000, RC3, SO32, Full Rate                                     | X | 0.99 | 68.85 | 14.23 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 1.02 | 68.99 | 14.65 |      | 150.0 |         |
|           |                                                                    | Z | 1.00 | 68.77 | 14.41 |      | 150.0 |         |
| 10293-AAB | CDMA2000, RC3, SO3, Full Rate                                      | X | 1.54 | 75.17 | 17.42 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 1.47 | 74.27 | 17.42 |      | 150.0 |         |
|           |                                                                    | Z | 1.49 | 74.55 | 17.40 |      | 150.0 |         |
| 10295-AAB | CDMA2000, RC1, SO3, 1/8th Rate 25 fr.                              | X | 7.71 | 79.88 | 21.20 | 9.03 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 8.10 | 81.66 | 22.53 |      | 50.0  |         |
|           |                                                                    | Z | 7.32 | 78.59 | 20.91 |      | 50.0  |         |
| 10297-AAB | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)                            | X | 2.67 | 69.12 | 16.34 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 2.75 | 69.34 | 16.40 |      | 150.0 |         |
|           |                                                                    | Z | 2.70 | 69.14 | 16.31 |      | 150.0 |         |
| 10298-AAC | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)                             | X | 1.48 | 66.88 | 13.56 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 1.59 | 67.41 | 14.16 |      | 150.0 |         |
|           |                                                                    | Z | 1.54 | 67.14 | 13.88 |      | 150.0 |         |
| 10299-AAC | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)                           | X | 2.42 | 68.39 | 13.40 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 2.73 | 69.76 | 14.46 |      | 150.0 |         |
|           |                                                                    | Z | 2.44 | 68.28 | 13.57 |      | 150.0 |         |
| 10300-AAC | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)                           | X | 1.84 | 64.34 | 10.71 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 2.07 | 65.41 | 11.70 |      | 150.0 |         |
|           |                                                                    | Z | 1.91 | 64.53 | 11.04 |      | 150.0 |         |
| 10301-AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)                 | X | 4.69 | 65.32 | 17.32 | 4.17 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 4.87 | 65.71 | 17.64 |      | 50.0  |         |
|           |                                                                    | Z | 4.69 | 65.00 | 17.16 |      | 50.0  |         |
| 10302-AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols) | X | 5.14 | 65.80 | 17.95 | 4.96 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 5.30 | 66.07 | 18.21 |      | 50.0  |         |
|           |                                                                    | Z | 5.24 | 65.91 | 18.01 |      | 50.0  |         |





EX3DV4- SN:3759

December 16, 2016

|           |                                                                     |   |      |       |       |       |       |         |
|-----------|---------------------------------------------------------------------|---|------|-------|-------|-------|-------|---------|
| 10303-AAA | IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)                 | X | 4.90 | 65.45 | 17.79 | 4.96  | 50.0  | ± 9.6 % |
|           |                                                                     | Y | 5.05 | 65.75 | 18.08 |       | 50.0  |         |
|           |                                                                     | Z | 5.00 | 65.59 | 17.87 |       | 50.0  |         |
| 10304-AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)                 | X | 4.70 | 65.32 | 17.29 | 4.17  | 50.0  | ± 9.6 % |
|           |                                                                     | Y | 4.84 | 65.53 | 17.51 |       | 50.0  |         |
|           |                                                                     | Z | 4.79 | 65.41 | 17.35 |       | 50.0  |         |
| 10305-AAA | IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)    | X | 4.47 | 67.68 | 19.47 | 6.02  | 35.0  | ± 9.6 % |
|           |                                                                     | Y | 4.61 | 68.07 | 20.00 |       | 35.0  |         |
|           |                                                                     | Z | 4.68 | 68.32 | 19.86 |       | 35.0  |         |
| 10306-AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)    | X | 4.73 | 66.49 | 18.99 | 6.02  | 35.0  | ± 9.6 % |
|           |                                                                     | Y | 4.86 | 66.77 | 19.40 |       | 35.0  |         |
|           |                                                                     | Z | 4.88 | 66.88 | 19.24 |       | 35.0  |         |
| 10307-AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)     | X | 4.64 | 66.69 | 18.98 | 6.02  | 35.0  | ± 9.6 % |
|           |                                                                     | Y | 4.78 | 67.05 | 19.42 |       | 35.0  |         |
|           |                                                                     | Z | 4.81 | 67.17 | 19.27 |       | 35.0  |         |
| 10308-AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)                | X | 4.62 | 66.91 | 19.13 | 6.02  | 35.0  | ± 9.6 % |
|           |                                                                     | Y | 4.76 | 67.26 | 19.56 |       | 35.0  |         |
|           |                                                                     | Z | 4.80 | 67.40 | 19.42 |       | 35.0  |         |
| 10309-AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols) | X | 4.77 | 66.66 | 19.12 | 6.02  | 35.0  | ± 9.6 % |
|           |                                                                     | Y | 4.93 | 67.03 | 19.56 |       | 35.0  |         |
|           |                                                                     | Z | 4.94 | 67.08 | 19.38 |       | 35.0  |         |
| 10310-AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)  | X | 4.68 | 66.58 | 18.98 | 6.02  | 35.0  | ± 9.6 % |
|           |                                                                     | Y | 4.82 | 66.87 | 19.39 |       | 35.0  |         |
|           |                                                                     | Z | 4.85 | 67.00 | 19.24 |       | 35.0  |         |
| 10311-AAB | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)                            | X | 3.03 | 68.47 | 16.02 | 0.00  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 3.11 | 68.68 | 16.08 |       | 150.0 |         |
|           |                                                                     | Z | 3.06 | 68.51 | 16.00 |       | 150.0 |         |
| 10313-AAA | iDEN 1:3                                                            | X | 3.20 | 70.67 | 15.02 | 6.99  | 70.0  | ± 9.6 % |
|           |                                                                     | Y | 3.67 | 72.42 | 15.81 |       | 70.0  |         |
|           |                                                                     | Z | 3.35 | 70.57 | 14.98 |       | 70.0  |         |
| 10314-AAA | iDEN 1:6                                                            | X | 4.25 | 75.97 | 19.87 | 10.00 | 30.0  | ± 9.6 % |
|           |                                                                     | Y | 4.80 | 78.08 | 20.77 |       | 30.0  |         |
|           |                                                                     | Z | 4.31 | 75.23 | 19.53 |       | 30.0  |         |
| 10315-AAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)           | X | 1.08 | 63.30 | 14.76 | 0.17  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 1.09 | 63.43 | 14.89 |       | 150.0 |         |
|           |                                                                     | Z | 1.09 | 63.30 | 14.74 |       | 150.0 |         |
| 10316-AAB | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)       | X | 4.54 | 66.52 | 16.14 | 0.17  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.61 | 66.53 | 16.19 |       | 150.0 |         |
|           |                                                                     | Z | 4.58 | 66.51 | 16.12 |       | 150.0 |         |
| 10317-AAB | IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)             | X | 4.54 | 66.52 | 16.14 | 0.17  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.61 | 66.53 | 16.19 |       | 150.0 |         |
|           |                                                                     | Z | 4.58 | 66.51 | 16.12 |       | 150.0 |         |
| 10400-AAC | IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)                 | X | 4.65 | 66.89 | 16.19 | 0.00  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.73 | 66.90 | 16.22 |       | 150.0 |         |
|           |                                                                     | Z | 4.69 | 66.88 | 16.17 |       | 150.0 |         |
| 10401-AAC | IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)                 | X | 5.37 | 67.10 | 16.37 | 0.00  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 5.42 | 67.08 | 16.37 |       | 150.0 |         |
|           |                                                                     | Z | 5.40 | 67.08 | 16.34 |       | 150.0 |         |



EX3DV4- SN:3759

December 16, 2016

|           |                                                                                |   |        |        |       |      |       |         |
|-----------|--------------------------------------------------------------------------------|---|--------|--------|-------|------|-------|---------|
| 10402-AAC | IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)                            | X | 5.62   | 67.39  | 16.39 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 5.68   | 67.44  | 16.41 |      | 150.0 |         |
|           |                                                                                | Z | 5.65   | 67.42  | 16.38 |      | 150.0 |         |
| 10403-AAB | CDMA2000 (1xEV-DO, Rev. 0)                                                     | X | 1.34   | 67.70  | 13.35 | 0.00 | 115.0 | ± 9.6 % |
|           |                                                                                | Y | 1.45   | 68.27  | 13.99 |      | 115.0 |         |
|           |                                                                                | Z | 1.39   | 67.96  | 13.69 |      | 115.0 |         |
| 10404-AAB | CDMA2000 (1xEV-DO, Rev. A)                                                     | X | 1.34   | 67.70  | 13.35 | 0.00 | 115.0 | ± 9.6 % |
|           |                                                                                | Y | 1.45   | 68.27  | 13.99 |      | 115.0 |         |
|           |                                                                                | Z | 1.39   | 67.96  | 13.69 |      | 115.0 |         |
| 10406-AAB | CDMA2000, RC3, SO32, SCH0, Full Rate                                           | X | 100.00 | 119.44 | 29.25 | 0.00 | 100.0 | ± 9.6 % |
|           |                                                                                | Y | 100.00 | 119.94 | 29.56 |      | 100.0 |         |
|           |                                                                                | Z | 22.65  | 100.63 | 25.07 |      | 100.0 |         |
| 10410-AAB | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                 | X | 9.31   | 88.57  | 21.07 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                                | Y | 31.52  | 104.08 | 25.47 |      | 80.0  |         |
|           |                                                                                | Z | 6.87   | 83.66  | 19.48 |      | 80.0  |         |
| 10415-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)                      | X | 1.02   | 62.66  | 14.35 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 1.01   | 62.70  | 14.40 |      | 150.0 |         |
|           |                                                                                | Z | 1.01   | 62.61  | 14.31 |      | 150.0 |         |
| 10416-AAA | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)                  | X | 4.51   | 66.59  | 16.15 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.56   | 66.56  | 16.16 |      | 150.0 |         |
|           |                                                                                | Z | 4.54   | 66.57  | 16.14 |      | 150.0 |         |
| 10417-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)                      | X | 4.51   | 66.59  | 16.15 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.56   | 66.56  | 16.16 |      | 150.0 |         |
|           |                                                                                | Z | 4.54   | 66.57  | 16.14 |      | 150.0 |         |
| 10418-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preamble)  | X | 4.50   | 66.76  | 16.18 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.55   | 66.71  | 16.17 |      | 150.0 |         |
|           |                                                                                | Z | 4.53   | 66.73  | 16.15 |      | 150.0 |         |
| 10419-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preamble) | X | 4.52   | 66.71  | 16.18 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.57   | 66.66  | 16.18 |      | 150.0 |         |
|           |                                                                                | Z | 4.55   | 66.68  | 16.16 |      | 150.0 |         |
| 10422-AAA | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)                                   | X | 4.63   | 66.70  | 16.19 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.69   | 66.67  | 16.20 |      | 150.0 |         |
|           |                                                                                | Z | 4.67   | 66.68  | 16.17 |      | 150.0 |         |
| 10423-AAA | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)                                | X | 4.79   | 67.00  | 16.30 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.87   | 66.99  | 16.32 |      | 150.0 |         |
|           |                                                                                | Z | 4.83   | 66.99  | 16.29 |      | 150.0 |         |
| 10424-AAA | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)                                | X | 4.71   | 66.95  | 16.27 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.78   | 66.94  | 16.29 |      | 150.0 |         |
|           |                                                                                | Z | 4.75   | 66.94  | 16.26 |      | 150.0 |         |
| 10425-AAA | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)                                    | X | 5.32   | 67.24  | 16.45 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 5.38   | 67.26  | 16.47 |      | 150.0 |         |
|           |                                                                                | Z | 5.35   | 67.25  | 16.44 |      | 150.0 |         |
| 10426-AAA | IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)                                  | X | 5.33   | 67.30  | 16.48 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 5.38   | 67.27  | 16.47 |      | 150.0 |         |
|           |                                                                                | Z | 5.35   | 67.28  | 16.45 |      | 150.0 |         |





EX3DV4- SN:3759

December 16, 2016

|           |                                                                |   |       |        |       |      |       |         |
|-----------|----------------------------------------------------------------|---|-------|--------|-------|------|-------|---------|
| 10427-AAA | IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)                 | X | 5.34  | 67.25  | 16.45 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 5.40  | 67.26  | 16.46 |      | 150.0 |         |
|           |                                                                | Z | 5.37  | 67.26  | 16.43 |      | 150.0 |         |
| 10430-AAA | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)                               | X | 4.31  | 71.33  | 18.36 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.26  | 70.45  | 18.05 |      | 150.0 |         |
|           |                                                                | Z | 4.35  | 71.18  | 18.37 |      | 150.0 |         |
| 10431-AAA | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)                              | X | 4.17  | 67.12  | 16.11 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.25  | 67.08  | 16.16 |      | 150.0 |         |
|           |                                                                | Z | 4.21  | 67.09  | 16.11 |      | 150.0 |         |
| 10432-AAA | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)                              | X | 4.48  | 67.00  | 16.21 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.55  | 66.97  | 16.23 |      | 150.0 |         |
|           |                                                                | Z | 4.51  | 66.98  | 16.20 |      | 150.0 |         |
| 10433-AAA | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)                              | X | 4.73  | 66.99  | 16.29 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.80  | 66.98  | 16.31 |      | 150.0 |         |
|           |                                                                | Z | 4.76  | 66.98  | 16.28 |      | 150.0 |         |
| 10434-AAA | W-CDMA (BS Test Model 1, 64 DPCH)                              | X | 4.44  | 72.28  | 18.34 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.35  | 71.26  | 18.02 |      | 150.0 |         |
|           |                                                                | Z | 4.47  | 72.13  | 18.38 |      | 150.0 |         |
| 10435-AAB | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | X | 8.80  | 87.73  | 20.77 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                | Y | 28.63 | 102.67 | 25.07 |      | 80.0  |         |
|           |                                                                | Z | 6.61  | 83.07  | 19.24 |      | 80.0  |         |
| 10447-AAA | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)                 | X | 3.44  | 67.05  | 15.33 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 3.54  | 67.05  | 15.51 |      | 150.0 |         |
|           |                                                                | Z | 3.49  | 67.04  | 15.41 |      | 150.0 |         |
| 10448-AAA | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)                | X | 4.01  | 66.90  | 15.97 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.09  | 66.85  | 16.02 |      | 150.0 |         |
|           |                                                                | Z | 4.05  | 66.87  | 15.97 |      | 150.0 |         |
| 10449-AAA | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)                | X | 4.29  | 66.83  | 16.11 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.36  | 66.80  | 16.13 |      | 150.0 |         |
|           |                                                                | Z | 4.33  | 66.81  | 16.10 |      | 150.0 |         |
| 10450-AAA | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)                | X | 4.50  | 66.75  | 16.15 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.55  | 66.74  | 16.16 |      | 150.0 |         |
|           |                                                                | Z | 4.53  | 66.74  | 16.13 |      | 150.0 |         |
| 10451-AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)                | X | 3.31  | 67.15  | 14.88 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 3.44  | 67.23  | 15.15 |      | 150.0 |         |
|           |                                                                | Z | 3.38  | 67.19  | 15.02 |      | 150.0 |         |
| 10456-AAA | IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)           | X | 6.20  | 67.82  | 16.62 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 6.24  | 67.83  | 16.62 |      | 150.0 |         |
|           |                                                                | Z | 6.21  | 67.82  | 16.60 |      | 150.0 |         |
| 10457-AAA | UMTS-FDD (DC-HSDPA)                                            | X | 3.79  | 65.25  | 15.85 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 3.81  | 65.20  | 15.87 |      | 150.0 |         |
|           |                                                                | Z | 3.80  | 65.22  | 15.84 |      | 150.0 |         |
| 10458-AAA | CDMA2000 (1xEV-DO, Rev. B, 2 carriers)                         | X | 3.12  | 66.40  | 14.19 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 3.27  | 66.59  | 14.61 |      | 150.0 |         |
|           |                                                                | Z | 3.20  | 66.49  | 14.40 |      | 150.0 |         |
| 10459-AAA | CDMA2000 (1xEV-DO, Rev. B, 3 carriers)                         | X | 4.15  | 64.59  | 15.15 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.37  | 64.97  | 15.56 |      | 150.0 |         |
|           |                                                                | Z | 4.34  | 65.08  | 15.49 |      | 150.0 |         |



EX3DV4- SN:3759

December 16, 2016

|           |                                                                   |   |       |       |       |      |       |         |
|-----------|-------------------------------------------------------------------|---|-------|-------|-------|------|-------|---------|
| 10460-AAA | UMTS-FDD (WCDMA, AMR)                                             | X | 0.86  | 66.78 | 15.35 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                   | Y | 0.87  | 67.12 | 15.55 |      | 150.0 |         |
|           |                                                                   | Z | 0.85  | 66.64 | 15.28 |      | 150.0 |         |
| 10461-AAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | X | 3.92  | 79.50 | 19.11 | 3.29 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 11.43 | 93.56 | 23.62 |      | 80.0  |         |
|           |                                                                   | Z | 3.33  | 76.15 | 17.77 |      | 80.0  |         |
| 10462-AAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 1.13  | 61.41 | 8.85  | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 1.51  | 63.93 | 10.23 |      | 80.0  |         |
|           |                                                                   | Z | 1.26  | 61.69 | 9.13  |      | 80.0  |         |
| 10463-AAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 0.98  | 60.00 | 7.66  | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 1.14  | 61.02 | 8.38  |      | 80.0  |         |
|           |                                                                   | Z | 1.07  | 60.00 | 7.84  |      | 80.0  |         |
| 10464-AAA | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 3.04  | 75.75 | 17.25 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 8.41  | 88.42 | 21.50 |      | 80.0  |         |
|           |                                                                   | Z | 2.68  | 73.06 | 16.13 |      | 80.0  |         |
| 10465-AAA | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 1.07  | 60.96 | 8.56  | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 1.39  | 63.13 | 9.80  |      | 80.0  |         |
|           |                                                                   | Z | 1.20  | 61.26 | 8.86  |      | 80.0  |         |
| 10466-AAA | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 0.99  | 60.00 | 7.61  | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 1.10  | 60.63 | 8.14  |      | 80.0  |         |
|           |                                                                   | Z | 1.07  | 60.00 | 7.79  |      | 80.0  |         |
| 10467-AAB | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 3.20  | 76.51 | 17.55 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 9.35  | 89.88 | 21.96 |      | 80.0  |         |
|           |                                                                   | Z | 2.78  | 73.61 | 16.36 |      | 80.0  |         |
| 10468-AAB | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 1.08  | 61.07 | 8.64  | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 1.41  | 63.32 | 9.90  |      | 80.0  |         |
|           |                                                                   | Z | 1.21  | 61.36 | 8.93  |      | 80.0  |         |
| 10469-AAB | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 0.98  | 60.00 | 7.61  | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 1.10  | 60.64 | 8.14  |      | 80.0  |         |
|           |                                                                   | Z | 1.07  | 60.00 | 7.79  |      | 80.0  |         |
| 10470-AAB | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | X | 3.20  | 76.50 | 17.54 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 9.36  | 89.91 | 21.97 |      | 80.0  |         |
|           |                                                                   | Z | 2.77  | 73.60 | 16.35 |      | 80.0  |         |
| 10471-AAB | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | X | 1.08  | 61.04 | 8.61  | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 1.41  | 63.27 | 9.86  |      | 80.0  |         |
|           |                                                                   | Z | 1.21  | 61.33 | 8.90  |      | 80.0  |         |
| 10472-AAB | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | X | 0.98  | 60.00 | 7.60  | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 1.09  | 60.60 | 8.11  |      | 80.0  |         |
|           |                                                                   | Z | 1.07  | 60.00 | 7.78  |      | 80.0  |         |
| 10473-AAB | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | X | 3.19  | 76.46 | 17.52 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 9.33  | 89.85 | 21.94 |      | 80.0  |         |
|           |                                                                   | Z | 2.77  | 73.57 | 16.34 |      | 80.0  |         |
| 10474-AAB | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | X | 1.08  | 61.02 | 8.60  | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 1.40  | 63.25 | 9.85  |      | 80.0  |         |
|           |                                                                   | Z | 1.20  | 61.32 | 8.89  |      | 80.0  |         |
| 10475-AAB | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | X | 0.98  | 60.00 | 7.60  | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 1.09  | 60.59 | 8.10  |      | 80.0  |         |
|           |                                                                   | Z | 1.07  | 60.00 | 7.78  |      | 80.0  |         |