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|           |                                               |   |      |       |       |      |       |         |
|-----------|-----------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10184-CAD | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)          | X | 3.46 | 71.62 | 20.09 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 3.15 | 70.03 | 19.34 |      | 150.0 |         |
|           |                                               | Z | 3.33 | 72.38 | 20.87 |      | 150.0 |         |
| 10185-CAD | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)        | X | 5.28 | 79.17 | 22.88 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.68 | 77.54 | 22.31 |      | 150.0 |         |
|           |                                               | Z | 6.04 | 84.21 | 25.36 |      | 150.0 |         |
| 10186-AAD | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)        | X | 4.28 | 74.63 | 20.11 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 3.76 | 72.86 | 19.37 |      | 150.0 |         |
|           |                                               | Z | 4.51 | 77.72 | 21.81 |      | 150.0 |         |
| 10187-CAE | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)        | X | 3.47 | 71.67 | 20.15 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 3.16 | 70.11 | 19.42 |      | 150.0 |         |
|           |                                               | Z | 3.35 | 72.46 | 20.95 |      | 150.0 |         |
| 10188-CAE | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)      | X | 5.49 | 79.96 | 23.28 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.84 | 78.25 | 22.69 |      | 150.0 |         |
|           |                                               | Z | 6.33 | 85.21 | 25.84 |      | 150.0 |         |
| 10189-AAE | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)      | X | 4.39 | 75.13 | 20.41 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 3.85 | 73.31 | 19.65 |      | 150.0 |         |
|           |                                               | Z | 4.65 | 78.35 | 22.15 |      | 150.0 |         |
| 10193-CAB | IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)  | X | 4.63 | 66.83 | 16.32 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.47 | 66.92 | 16.16 |      | 150.0 |         |
|           |                                               | Z | 4.50 | 67.35 | 16.53 |      | 150.0 |         |
| 10194-CAB | IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) | X | 4.82 | 67.19 | 16.44 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.62 | 67.18 | 16.29 |      | 150.0 |         |
|           |                                               | Z | 4.65 | 67.81 | 16.66 |      | 150.0 |         |
| 10195-CAB | IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) | X | 4.86 | 67.21 | 16.45 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.66 | 67.21 | 16.31 |      | 150.0 |         |
|           |                                               | Z | 4.69 | 67.63 | 16.67 |      | 150.0 |         |
| 10196-CAB | IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)       | X | 4.64 | 66.93 | 16.35 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.46 | 66.94 | 16.16 |      | 150.0 |         |
|           |                                               | Z | 4.49 | 67.37 | 16.53 |      | 150.0 |         |
| 10197-CAB | IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)      | X | 4.83 | 67.21 | 16.45 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.63 | 67.19 | 16.30 |      | 150.0 |         |
|           |                                               | Z | 4.66 | 67.62 | 16.87 |      | 150.0 |         |
| 10198-CAB | IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)      | X | 4.86 | 67.23 | 16.46 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.65 | 67.22 | 16.32 |      | 150.0 |         |
|           |                                               | Z | 4.68 | 67.64 | 16.68 |      | 150.0 |         |
| 10219-CAB | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)       | X | 4.59 | 66.94 | 16.32 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.41 | 66.96 | 16.12 |      | 150.0 |         |
|           |                                               | Z | 4.44 | 67.41 | 16.50 |      | 150.0 |         |
| 10220-CAB | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)    | X | 4.83 | 67.20 | 16.45 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.62 | 67.16 | 16.29 |      | 150.0 |         |
|           |                                               | Z | 4.65 | 67.58 | 16.65 |      | 150.0 |         |
| 10221-CAB | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)    | X | 4.87 | 67.16 | 16.45 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.66 | 67.15 | 16.30 |      | 150.0 |         |
|           |                                               | Z | 4.70 | 67.57 | 16.66 |      | 150.0 |         |
| 10222-CAB | IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)        | X | 5.19 | 67.41 | 16.57 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 5.03 | 67.29 | 16.44 |      | 150.0 |         |
|           |                                               | Z | 5.05 | 67.64 | 16.76 |      | 150.0 |         |

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| 10223-CAB | IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)  | X | 5.53   | 67.69  | 16.73 | 0.00 | 150.0 | ± 9.6 % |
|           |                                           | Y | 5.31   | 67.53  | 16.57 |      | 150.0 |         |
|           |                                           | Z | 5.34   | 67.85  | 16.88 |      | 150.0 |         |
| 10224-CAB | IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM) | X | 5.23   | 67.50  | 16.54 | 0.00 | 150.0 | ± 9.6 % |
|           |                                           | Y | 5.07   | 67.40  | 16.42 |      | 150.0 |         |
|           |                                           | Z | 5.09   | 67.75  | 16.74 |      | 150.0 |         |
| 10225-CAB | UMTS-FDD (HSPA+)                          | X | 2.90   | 66.45  | 15.66 | 0.00 | 150.0 | ± 9.6 % |
|           |                                           | Y | 2.73   | 66.33  | 15.08 |      | 150.0 |         |
|           |                                           | Z | 2.82   | 67.36  | 15.82 |      | 150.0 |         |
| 10226-CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)  | X | 61.71  | 118.79 | 34.36 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 47.44  | 115.74 | 33.81 |      | 65.0  |         |
|           |                                           | Z | 100.00 | 132.34 | 38.33 |      | 65.0  |         |
| 10227-CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)  | X | 42.26  | 110.32 | 31.55 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 40.92  | 111.46 | 32.09 |      | 65.0  |         |
|           |                                           | Z | 100.00 | 129.87 | 37.02 |      | 65.0  |         |
| 10228-CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)    | X | 55.57  | 123.80 | 37.73 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 27.39  | 111.17 | 34.52 |      | 65.0  |         |
|           |                                           | Z | 100.00 | 142.21 | 43.48 |      | 65.0  |         |
| 10229-CAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)    | X | 56.59  | 117.04 | 33.83 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 43.16  | 113.85 | 33.23 |      | 65.0  |         |
|           |                                           | Z | 100.00 | 132.12 | 38.21 |      | 65.0  |         |
| 10230-CAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)    | X | 39.59  | 109.06 | 31.14 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 37.47  | 109.81 | 31.58 |      | 65.0  |         |
|           |                                           | Z | 100.00 | 129.75 | 36.93 |      | 65.0  |         |
| 10231-CAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)      | X | 51.47  | 122.13 | 37.21 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 25.54  | 109.66 | 34.02 |      | 65.0  |         |
|           |                                           | Z | 100.00 | 142.05 | 43.38 |      | 65.0  |         |
| 10232-CAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)    | X | 56.65  | 117.07 | 33.84 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 43.15  | 113.85 | 33.23 |      | 65.0  |         |
|           |                                           | Z | 100.00 | 132.14 | 38.21 |      | 65.0  |         |
| 10233-CAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)    | X | 39.65  | 109.10 | 31.15 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 37.43  | 109.80 | 31.58 |      | 65.0  |         |
|           |                                           | Z | 100.00 | 129.77 | 36.94 |      | 65.0  |         |
| 10234-CAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)      | X | 47.52  | 120.30 | 36.62 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 24.03  | 108.25 | 33.50 |      | 65.0  |         |
|           |                                           | Z | 100.00 | 141.72 | 43.18 |      | 65.0  |         |
| 10235-CAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)   | X | 57.00  | 117.19 | 33.87 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 43.35  | 113.95 | 33.26 |      | 65.0  |         |
|           |                                           | Z | 100.00 | 132.15 | 38.22 |      | 65.0  |         |
| 10236-CAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)   | X | 40.13  | 109.28 | 31.20 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 37.86  | 109.97 | 31.61 |      | 65.0  |         |
|           |                                           | Z | 100.00 | 129.71 | 36.92 |      | 65.0  |         |
| 10237-CAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)     | X | 52.33  | 122.48 | 37.31 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 25.72  | 109.83 | 34.07 |      | 65.0  |         |
|           |                                           | Z | 100.00 | 142.09 | 43.39 |      | 65.0  |         |
| 10238-CAD | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)   | X | 56.74  | 117.10 | 33.84 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 43.15  | 113.86 | 33.23 |      | 65.0  |         |
|           |                                           | Z | 100.00 | 132.15 | 38.21 |      | 65.0  |         |



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| 10239-CAD | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)    | X | 39.69  | 109.14 | 31.16 | 6.02 | 65.0 | ± 9.6 % |
|           |                                            | Y | 37.38  | 109.80 | 31.57 |      | 65.0 |         |
|           |                                            | Z | 100.00 | 129.79 | 36.95 |      | 65.0 |         |
| 10240-CAD | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)      | X | 52.08  | 122.39 | 37.28 | 6.02 | 65.0 | ± 9.6 % |
|           |                                            | Y | 25.66  | 109.79 | 34.06 |      | 65.0 |         |
|           |                                            | Z | 100.00 | 142.10 | 43.39 |      | 65.0 |         |
| 10241-CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | X | 13.08  | 88.79  | 28.33 | 6.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 13.70  | 90.83  | 28.85 |      | 65.0 |         |
|           |                                            | Z | 17.82  | 98.86  | 32.16 |      | 65.0 |         |
| 10242-CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | X | 11.36  | 85.69  | 27.08 | 6.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 11.47  | 87.08  | 27.41 |      | 65.0 |         |
|           |                                            | Z | 17.36  | 98.30  | 31.90 |      | 65.0 |         |
| 10243-CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)   | X | 9.09   | 82.66  | 26.84 | 6.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 8.87   | 83.00  | 26.76 |      | 65.0 |         |
|           |                                            | Z | 11.38  | 90.93  | 30.44 |      | 65.0 |         |
| 10244-CAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)   | X | 9.61   | 81.05  | 21.12 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 8.31   | 78.18  | 18.91 |      | 65.0 |         |
|           |                                            | Z | 10.68  | 83.07  | 20.72 |      | 65.0 |         |
| 10245-CAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)   | X | 9.42   | 80.48  | 20.86 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 7.99   | 77.35  | 18.53 |      | 65.0 |         |
|           |                                            | Z | 9.88   | 81.84  | 20.15 |      | 65.0 |         |
| 10246-CAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)     | X | 10.12  | 84.84  | 22.55 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 8.24   | 81.01  | 20.27 |      | 65.0 |         |
|           |                                            | Z | 12.34  | 88.48  | 22.91 |      | 65.0 |         |
| 10247-CAD | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)   | X | 7.85   | 78.55  | 20.82 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 7.03   | 76.46  | 19.09 |      | 65.0 |         |
|           |                                            | Z | 7.80   | 79.37  | 20.33 |      | 65.0 |         |
| 10248-CAD | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   | X | 7.81   | 78.01  | 20.60 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 6.87   | 75.74  | 18.77 |      | 65.0 |         |
|           |                                            | Z | 7.47   | 78.26  | 19.88 |      | 65.0 |         |
| 10249-CAD | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)     | X | 11.30  | 86.99  | 23.99 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 10.30  | 85.25  | 22.78 |      | 65.0 |         |
|           |                                            | Z | 16.77  | 94.82  | 26.11 |      | 65.0 |         |
| 10250-CAD | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)  | X | 8.75   | 80.54  | 22.90 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 8.40   | 79.92  | 22.21 |      | 65.0 |         |
|           |                                            | Z | 9.27   | 83.15  | 23.70 |      | 65.0 |         |
| 10251-CAD | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)  | X | 8.25   | 78.34  | 21.76 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 7.75   | 77.42  | 20.87 |      | 65.0 |         |
|           |                                            | Z | 8.27   | 79.91  | 22.10 |      | 65.0 |         |
| 10252-CAD | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)    | X | 10.72  | 85.58  | 24.20 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 10.47  | 85.49  | 23.95 |      | 65.0 |         |
|           |                                            | Z | 14.56  | 93.06  | 26.82 |      | 65.0 |         |
| 10253-CAD | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)  | X | 8.10   | 77.27  | 21.62 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 7.77   | 76.72  | 21.05 |      | 65.0 |         |
|           |                                            | Z | 8.08   | 78.74  | 22.13 |      | 65.0 |         |
| 10254-CAD | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)  | X | 8.47   | 77.99  | 22.21 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 8.20   | 77.65  | 21.72 |      | 65.0 |         |
|           |                                            | Z | 8.54   | 79.70  | 22.80 |      | 65.0 |         |

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| 10255-CAD | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)     | X | 9.23  | 81.36 | 22.87 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 9.14  | 81.60 | 22.84 |      | 65.0 |         |
|           |                                             | Z | 10.67 | 85.94 | 24.73 |      | 65.0 |         |
| 10256-CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | X | 8.28  | 78.25 | 19.21 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 6.31  | 73.50 | 16.02 |      | 65.0 |         |
|           |                                             | Z | 7.16  | 76.22 | 17.01 |      | 65.0 |         |
| 10257-CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | X | 8.04  | 77.45 | 18.82 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 6.02  | 72.54 | 15.50 |      | 65.0 |         |
|           |                                             | Z | 6.55  | 74.66 | 16.27 |      | 65.0 |         |
| 10258-CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)   | X | 8.35  | 81.24 | 20.61 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 6.01  | 75.47 | 17.28 |      | 65.0 |         |
|           |                                             | Z | 7.39  | 79.54 | 18.76 |      | 65.0 |         |
| 10259-CAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)   | X | 8.21  | 79.25 | 21.55 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 7.58  | 77.79 | 20.22 |      | 65.0 |         |
|           |                                             | Z | 8.42  | 80.88 | 21.58 |      | 65.0 |         |
| 10260-CAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)   | X | 8.19  | 78.92 | 21.44 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 7.53  | 77.40 | 20.06 |      | 65.0 |         |
|           |                                             | Z | 8.26  | 80.23 | 21.32 |      | 65.0 |         |
| 10261-CAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)     | X | 10.55 | 85.66 | 23.85 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 9.89  | 84.54 | 22.96 |      | 65.0 |         |
|           |                                             | Z | 14.49 | 92.65 | 25.93 |      | 65.0 |         |
| 10262-CAD | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)   | X | 8.74  | 80.50 | 22.86 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 8.38  | 79.85 | 22.16 |      | 65.0 |         |
|           |                                             | Z | 9.24  | 83.06 | 23.64 |      | 65.0 |         |
| 10263-CAD | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)   | X | 8.24  | 78.33 | 21.76 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 7.74  | 77.40 | 20.87 |      | 65.0 |         |
|           |                                             | Z | 8.26  | 79.88 | 22.09 |      | 65.0 |         |
| 10264-CAD | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)     | X | 10.64 | 85.42 | 24.12 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 10.36 | 85.28 | 23.85 |      | 65.0 |         |
|           |                                             | Z | 14.35 | 92.75 | 26.70 |      | 65.0 |         |
| 10265-CAD | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)  | X | 8.33  | 77.91 | 21.85 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 7.90  | 77.17 | 21.30 |      | 65.0 |         |
|           |                                             | Z | 8.27  | 79.33 | 22.44 |      | 65.0 |         |
| 10266-CAD | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)  | X | 8.70  | 78.61 | 22.47 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 8.39  | 78.22 | 22.06 |      | 65.0 |         |
|           |                                             | Z | 8.78  | 80.39 | 23.20 |      | 65.0 |         |
| 10267-CAD | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)    | X | 9.55  | 81.69 | 22.76 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 9.43  | 81.96 | 22.83 |      | 65.0 |         |
|           |                                             | Z | 11.16 | 86.48 | 24.76 |      | 65.0 |         |
| 10268-CAD | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)  | X | 8.72  | 77.20 | 21.92 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 8.42  | 76.83 | 21.63 |      | 65.0 |         |
|           |                                             | Z | 8.59  | 78.41 | 22.54 |      | 65.0 |         |
| 10269-CAD | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)  | X | 8.63  | 76.76 | 21.82 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 8.36  | 76.44 | 21.51 |      | 65.0 |         |
|           |                                             | Z | 8.49  | 77.87 | 22.37 |      | 65.0 |         |
| 10270-CAD | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)    | X | 8.84  | 78.58 | 21.71 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 8.74  | 78.84 | 21.81 |      | 65.0 |         |
|           |                                             | Z | 9.38  | 81.38 | 23.06 |      | 65.0 |         |



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|           |                                                                    |   |        |        |       |      |       |         |
|-----------|--------------------------------------------------------------------|---|--------|--------|-------|------|-------|---------|
| 10274-CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)                          | X | 2.65   | 66.78  | 15.56 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 2.56   | 66.83  | 15.09 |      | 150.0 |         |
|           |                                                                    | Z | 2.70   | 68.23  | 16.03 |      | 150.0 |         |
| 10275-CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)                           | X | 1.73   | 69.13  | 16.25 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 1.57   | 67.80  | 15.34 |      | 150.0 |         |
|           |                                                                    | Z | 1.90   | 71.78  | 17.65 |      | 150.0 |         |
| 10277-CAA | PHS (QPSK)                                                         | X | 5.14   | 68.76  | 13.26 | 9.03 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 5.04   | 68.52  | 12.90 |      | 50.0  |         |
|           |                                                                    | Z | 3.97   | 66.34  | 10.94 |      | 50.0  |         |
| 10278-CAA | PHS (QPSK, BW 884MHz, Rolloff 0.5)                                 | X | 9.36   | 80.51  | 20.72 | 9.03 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 7.54   | 76.12  | 18.32 |      | 50.0  |         |
|           |                                                                    | Z | 7.79   | 77.66  | 18.35 |      | 50.0  |         |
| 10279-CAA | PHS (QPSK, BW 884MHz, Rolloff 0.38)                                | X | 9.54   | 80.73  | 20.82 | 9.03 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 7.61   | 76.19  | 18.37 |      | 50.0  |         |
|           |                                                                    | Z | 7.88   | 77.79  | 18.44 |      | 50.0  |         |
| 10290-AAB | CDMA2000, RC1, SO55, Full Rate                                     | X | 1.73   | 70.88  | 15.41 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 1.22   | 67.33  | 12.63 |      | 150.0 |         |
|           |                                                                    | Z | 2.22   | 75.74  | 16.43 |      | 150.0 |         |
| 10291-AAB | CDMA2000, RC3, SO55, Full Rate                                     | X | 0.97   | 67.86  | 13.91 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 0.76   | 65.20  | 11.53 |      | 150.0 |         |
|           |                                                                    | Z | 1.37   | 73.83  | 15.74 |      | 150.0 |         |
| 10292-AAB | CDMA2000, RC3, SO32, Full Rate                                     | X | 1.33   | 73.24  | 16.76 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 1.00   | 69.48  | 14.01 |      | 150.0 |         |
|           |                                                                    | Z | 9.50   | 100.83 | 24.93 |      | 150.0 |         |
| 10293-AAB | CDMA2000, RC3, SO3, Full Rate                                      | X | 2.11   | 80.32  | 20.06 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 1.72   | 76.91  | 17.56 |      | 150.0 |         |
|           |                                                                    | Z | 100.00 | 135.97 | 34.01 |      | 150.0 |         |
| 10295-AAB | CDMA2000, RC1, SO3, 1/8th Rate 25 fr.                              | X | 11.95  | 86.75  | 25.22 | 9.03 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 14.35  | 88.83  | 25.12 |      | 50.0  |         |
|           |                                                                    | Z | 23.98  | 99.41  | 28.43 |      | 50.0  |         |
| 10297-AAC | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)                            | X | 2.94   | 70.60  | 17.01 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 2.63   | 69.43  | 16.49 |      | 150.0 |         |
|           |                                                                    | Z | 2.93   | 71.84  | 17.92 |      | 150.0 |         |
| 10298-AAC | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)                             | X | 1.80   | 69.34  | 15.32 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 1.36   | 66.50  | 12.86 |      | 150.0 |         |
|           |                                                                    | Z | 1.80   | 71.18  | 15.30 |      | 150.0 |         |
| 10299-AAC | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)                           | X | 3.50   | 73.26  | 16.46 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 2.59   | 69.53  | 13.47 |      | 150.0 |         |
|           |                                                                    | Z | 4.58   | 77.21  | 16.63 |      | 150.0 |         |
| 10300-AAC | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)                           | X | 2.53   | 67.89  | 13.35 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 1.81   | 64.59  | 10.38 |      | 150.0 |         |
|           |                                                                    | Z | 2.06   | 66.51  | 11.36 |      | 150.0 |         |
| 10301-AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)                 | X | 5.63   | 68.05  | 18.77 | 4.17 | 80.0  | ± 9.6 % |
|           |                                                                    | Y | 5.72   | 69.39  | 19.02 |      | 80.0  |         |
|           |                                                                    | Z | 5.55   | 69.31  | 19.19 |      | 80.0  |         |
| 10302-AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols) | X | 6.21   | 69.18  | 19.83 | 4.96 | 80.0  | ± 9.6 % |
|           |                                                                    | Y | 6.01   | 69.11  | 19.29 |      | 80.0  |         |
|           |                                                                    | Z | 5.89   | 69.34  | 19.64 |      | 80.0  |         |

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|           |                                                                     |   |       |        |       |       |       |         |
|-----------|---------------------------------------------------------------------|---|-------|--------|-------|-------|-------|---------|
| 10303-AAA | IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)                 | X | 6.05  | 69.28  | 19.90 | 4.96  | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 5.86  | 69.13  | 19.26 |       | 80.0  |         |
|           |                                                                     | Z | 5.72  | 69.31  | 19.60 |       | 80.0  |         |
| 10304-AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)                 | X | 5.68  | 68.47  | 19.01 | 4.17  | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 5.51  | 68.51  | 18.52 |       | 80.0  |         |
|           |                                                                     | Z | 5.42  | 68.81  | 18.90 |       | 80.0  |         |
| 10305-AAA | IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)    | X | 8.90  | 82.64  | 26.81 | 6.02  | 50.0  | ± 9.6 % |
|           |                                                                     | Y | 10.24 | 84.42  | 26.04 |       | 50.0  |         |
|           |                                                                     | Z | 8.13  | 81.10  | 25.22 |       | 50.0  |         |
| 10306-AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)    | X | 6.52  | 72.41  | 22.10 | 6.02  | 50.0  | ± 9.6 % |
|           |                                                                     | Y | 7.29  | 76.07  | 23.16 |       | 50.0  |         |
|           |                                                                     | Z | 6.04  | 71.95  | 21.29 |       | 50.0  |         |
| 10307-AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)     | X | 6.63  | 73.21  | 22.29 | 6.02  | 50.0  | ± 9.6 % |
|           |                                                                     | Y | 7.59  | 77.28  | 23.50 |       | 50.0  |         |
|           |                                                                     | Z | 6.62  | 75.37  | 23.03 |       | 50.0  |         |
| 10308-AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)                | X | 6.71  | 73.72  | 22.54 | 6.02  | 50.0  | ± 9.6 % |
|           |                                                                     | Y | 7.86  | 78.26  | 23.94 |       | 50.0  |         |
|           |                                                                     | Z | 6.80  | 76.23  | 23.44 |       | 50.0  |         |
| 10309-AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols) | X | 6.65  | 72.80  | 22.31 | 6.02  | 50.0  | ± 9.6 % |
|           |                                                                     | Y | 7.35  | 76.27  | 23.30 |       | 50.0  |         |
|           |                                                                     | Z | 6.09  | 72.14  | 21.44 |       | 50.0  |         |
| 10310-AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)  | X | 6.54  | 72.70  | 22.14 | 6.02  | 50.0  | ± 9.6 % |
|           |                                                                     | Y | 7.44  | 76.67  | 23.34 |       | 50.0  |         |
|           |                                                                     | Z | 6.05  | 72.19  | 21.34 |       | 50.0  |         |
| 10311-AAC | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)                            | X | 3.29  | 69.79  | 16.61 | 0.00  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 2.99  | 68.72  | 16.15 |       | 150.0 |         |
|           |                                                                     | Z | 3.30  | 70.83  | 17.40 |       | 150.0 |         |
| 10313-AAA | iDEN 1:3                                                            | X | 8.07  | 79.86  | 19.14 | 6.99  | 70.0  | ± 9.6 % |
|           |                                                                     | Y | 8.83  | 81.65  | 20.11 |       | 70.0  |         |
|           |                                                                     | Z | 15.21 | 90.66  | 22.90 |       | 70.0  |         |
| 10314-AAA | iDEN 1:6                                                            | X | 11.11 | 87.33  | 24.20 | 10.00 | 30.0  | ± 9.6 % |
|           |                                                                     | Y | 12.39 | 89.84  | 25.45 |       | 30.0  |         |
|           |                                                                     | Z | 33.08 | 108.48 | 30.94 |       | 30.0  |         |
| 10315-AAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)           | X | 1.16  | 65.10  | 15.99 | 0.17  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 1.18  | 64.55  | 15.38 |       | 150.0 |         |
|           |                                                                     | Z | 1.23  | 66.36  | 16.95 |       | 150.0 |         |
| 10316-AAB | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)       | X | 4.73  | 67.03  | 16.54 | 0.17  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.57  | 67.10  | 16.39 |       | 150.0 |         |
|           |                                                                     | Z | 4.58  | 67.49  | 16.75 |       | 150.0 |         |
| 10317-AAB | IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)             | X | 4.73  | 67.03  | 16.54 | 0.17  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.57  | 67.10  | 16.39 |       | 150.0 |         |
|           |                                                                     | Z | 4.58  | 67.49  | 16.75 |       | 150.0 |         |
| 10400-AAC | IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)                 | X | 4.83  | 67.28  | 16.45 | 0.00  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.59  | 67.22  | 16.28 |       | 150.0 |         |
|           |                                                                     | Z | 4.63  | 67.67  | 16.67 |       | 150.0 |         |
| 10401-AAC | IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)                 | X | 5.49  | 67.42  | 16.59 | 0.00  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 5.31  | 67.33  | 16.45 |       | 150.0 |         |
|           |                                                                     | Z | 5.32  | 67.62  | 16.73 |       | 150.0 |         |



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|-----------|--------------------------------------------------------------------------------|---|--------|--------|-------|------|-------|---------|
| 10402-AAC | IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)                            | X | 5.77   | 67.84  | 16.63 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 5.58   | 67.64  | 16.47 |      | 150.0 |         |
|           |                                                                                | Z | 5.61   | 67.94  | 16.75 |      | 150.0 |         |
| 10403-AAB | CDMA2000 (1xEV-DO, Rev. 0)                                                     | X | 1.73   | 70.88  | 15.41 | 0.00 | 115.0 | ± 9.6 % |
|           |                                                                                | Y | 1.22   | 67.33  | 12.63 |      | 115.0 |         |
|           |                                                                                | Z | 2.22   | 75.74  | 16.43 |      | 115.0 |         |
| 10404-AAB | CDMA2000 (1xEV-DO, Rev. A)                                                     | X | 1.73   | 70.88  | 15.41 | 0.00 | 115.0 | ± 9.6 % |
|           |                                                                                | Y | 1.22   | 67.33  | 12.63 |      | 115.0 |         |
|           |                                                                                | Z | 2.22   | 75.74  | 16.43 |      | 115.0 |         |
| 10406-AAB | CDMA2000, RC3, SO32, SCH0, Full Rate                                           | X | 100.00 | 122.28 | 30.90 | 0.00 | 100.0 | ± 9.6 % |
|           |                                                                                | Y | 100.00 | 118.47 | 28.84 |      | 100.0 |         |
|           |                                                                                | Z | 100.00 | 118.59 | 28.66 |      | 100.0 |         |
| 10410-AAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                 | X | 100.00 | 119.85 | 30.23 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                                | Y | 100.00 | 122.08 | 31.09 |      | 80.0  |         |
|           |                                                                                | Z | 100.00 | 125.17 | 32.17 |      | 80.0  |         |
| 10415-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)                      | X | 1.01   | 63.51  | 15.07 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 1.04   | 63.14  | 14.54 |      | 150.0 |         |
|           |                                                                                | Z | 1.08   | 64.75  | 16.03 |      | 150.0 |         |
| 10416-AAA | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)                  | X | 4.63   | 66.88  | 16.38 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.46   | 66.93  | 16.23 |      | 150.0 |         |
|           |                                                                                | Z | 4.50   | 67.36  | 16.60 |      | 150.0 |         |
| 10417-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)                      | X | 4.63   | 66.88  | 16.38 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.46   | 66.93  | 16.23 |      | 150.0 |         |
|           |                                                                                | Z | 4.50   | 67.36  | 16.60 |      | 150.0 |         |
| 10418-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preamble)  | X | 4.62   | 67.02  | 16.38 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.46   | 67.11  | 16.27 |      | 150.0 |         |
|           |                                                                                | Z | 4.50   | 67.57  | 16.66 |      | 150.0 |         |
| 10419-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preamble) | X | 4.64   | 66.98  | 16.39 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.48   | 67.05  | 16.27 |      | 150.0 |         |
|           |                                                                                | Z | 4.51   | 67.50  | 16.65 |      | 150.0 |         |
| 10422-AAA | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)                                   | X | 4.77   | 66.98  | 16.41 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.58   | 67.04  | 16.28 |      | 150.0 |         |
|           |                                                                                | Z | 4.62   | 67.46  | 16.64 |      | 150.0 |         |
| 10423-AAA | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)                                | X | 4.96   | 67.35  | 16.54 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.72   | 67.31  | 16.38 |      | 150.0 |         |
|           |                                                                                | Z | 4.76   | 67.74  | 16.74 |      | 150.0 |         |
| 10424-AAA | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)                                | X | 4.87   | 67.29  | 16.51 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.65   | 67.27  | 16.35 |      | 150.0 |         |
|           |                                                                                | Z | 4.68   | 67.70  | 16.72 |      | 150.0 |         |
| 10425-AAA | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)                                    | X | 5.47   | 67.66  | 16.69 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 5.28   | 67.54  | 16.56 |      | 150.0 |         |
|           |                                                                                | Z | 5.30   | 67.87  | 16.86 |      | 150.0 |         |
| 10426-AAA | IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)                                  | X | 5.47   | 67.67  | 16.70 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 5.30   | 67.63  | 16.60 |      | 150.0 |         |
|           |                                                                                | Z | 5.32   | 67.97  | 16.91 |      | 150.0 |         |

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|-----------|----------------------------------------------------------------|---|--------|--------|-------|------|-------|---------|
| 10427-AAA | IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)                 | X | 5.48   | 67.65  | 16.68 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 5.28   | 67.47  | 16.52 |      | 150.0 |         |
|           |                                                                | Z | 5.30   | 67.79  | 16.81 |      | 150.0 |         |
| 10430-AAB | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)                               | X | 4.27   | 70.32  | 18.07 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.18   | 71.48  | 18.11 |      | 150.0 |         |
|           |                                                                | Z | 4.34   | 72.56  | 18.76 |      | 150.0 |         |
| 10431-AAB | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)                              | X | 4.35   | 67.46  | 16.43 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.09   | 67.47  | 16.14 |      | 150.0 |         |
|           |                                                                | Z | 4.15   | 68.09  | 16.61 |      | 150.0 |         |
| 10432-AAB | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)                              | X | 4.64   | 67.34  | 16.47 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.41   | 67.34  | 16.28 |      | 150.0 |         |
|           |                                                                | Z | 4.46   | 67.84  | 16.69 |      | 150.0 |         |
| 10433-AAB | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)                              | X | 4.88   | 67.33  | 16.53 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.67   | 67.30  | 16.37 |      | 150.0 |         |
|           |                                                                | Z | 4.70   | 67.73  | 16.74 |      | 150.0 |         |
| 10434-AAA | W-CDMA (BS Test Model 1, 64 DPCH)                              | X | 4.35   | 71.06  | 18.04 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.27   | 72.31  | 17.96 |      | 150.0 |         |
|           |                                                                | Z | 4.52   | 73.72  | 18.74 |      | 150.0 |         |
| 10435-AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | X | 100.00 | 119.68 | 30.15 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                | Y | 100.00 | 121.88 | 31.00 |      | 80.0  |         |
|           |                                                                | Z | 100.00 | 124.93 | 32.06 |      | 80.0  |         |
| 10447-AAB | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)                 | X | 3.66   | 67.53  | 15.89 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 3.34   | 67.34  | 15.17 |      | 150.0 |         |
|           |                                                                | Z | 3.46   | 68.32  | 15.83 |      | 150.0 |         |
| 10448-AAB | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)                | X | 4.17   | 67.23  | 16.28 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 3.95   | 67.26  | 16.01 |      | 150.0 |         |
|           |                                                                | Z | 4.01   | 67.90  | 16.49 |      | 150.0 |         |
| 10449-AAB | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)                | X | 4.44   | 67.16  | 16.36 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.24   | 67.16  | 16.17 |      | 150.0 |         |
|           |                                                                | Z | 4.29   | 67.68  | 16.60 |      | 150.0 |         |
| 10450-AAB | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)                | X | 4.62   | 67.08  | 16.38 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.45   | 67.07  | 16.22 |      | 150.0 |         |
|           |                                                                | Z | 4.49   | 67.52  | 16.61 |      | 150.0 |         |
| 10451-AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)                | X | 3.58   | 67.79  | 15.60 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 3.18   | 67.28  | 14.57 |      | 150.0 |         |
|           |                                                                | Z | 3.32   | 68.40  | 15.29 |      | 150.0 |         |
| 10456-AAA | IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)           | X | 6.33   | 68.22  | 16.84 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 6.23   | 68.24  | 16.81 |      | 150.0 |         |
|           |                                                                | Z | 6.25   | 68.51  | 17.06 |      | 150.0 |         |
| 10457-AAA | UMTS-FDD (DC-HSDPA)                                            | X | 3.83   | 65.50  | 16.10 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 3.79   | 65.63  | 15.94 |      | 150.0 |         |
|           |                                                                | Z | 3.81   | 66.04  | 16.33 |      | 150.0 |         |
| 10458-AAA | CDMA2000 (1xEV-DO, Rev. B, 2 carriers)                         | X | 3.99   | 70.32  | 17.52 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 3.82   | 71.13  | 16.98 |      | 150.0 |         |
|           |                                                                | Z | 4.09   | 72.71  | 17.84 |      | 150.0 |         |
| 10459-AAA | CDMA2000 (1xEV-DO, Rev. B, 3 carriers)                         | X | 5.08   | 67.72  | 17.95 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.90   | 68.78  | 17.85 |      | 150.0 |         |
|           |                                                                | Z | 4.95   | 69.25  | 18.16 |      | 150.0 |         |



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|           |                                                                   |   |        |        |       |      |       |         |
|-----------|-------------------------------------------------------------------|---|--------|--------|-------|------|-------|---------|
| 10460-AAA | UMTS-FDD (WCDMA, AMR)                                             | X | 1.00   | 70.54  | 17.39 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                   | Y | 0.89   | 67.63  | 15.73 |      | 150.0 |         |
|           |                                                                   | Z | 1.29   | 75.71  | 20.27 |      | 150.0 |         |
| 10461-AAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | X | 100.00 | 123.73 | 32.09 | 3.29 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 100.00 | 126.11 | 33.00 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 133.47 | 35.95 |      | 80.0  |         |
| 10462-AAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 100.00 | 108.15 | 24.66 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 100.00 | 109.08 | 24.89 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 111.50 | 25.54 |      | 80.0  |         |
| 10463-AAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 31.96  | 93.47  | 20.50 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 29.26  | 93.31  | 20.41 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 106.95 | 23.40 |      | 80.0  |         |
| 10464-AAA | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 100.00 | 121.71 | 30.99 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 100.00 | 124.09 | 31.91 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 131.36 | 34.79 |      | 80.0  |         |
| 10465-AAA | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 100.00 | 107.66 | 24.42 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 100.00 | 108.57 | 24.64 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 110.83 | 25.23 |      | 80.0  |         |
| 10466-AAA | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 17.31  | 86.93  | 18.72 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 13.43  | 85.13  | 18.19 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 106.32 | 23.11 |      | 80.0  |         |
| 10467-AAC | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 100.00 | 121.92 | 31.09 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 100.00 | 124.35 | 32.03 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 131.68 | 34.94 |      | 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 | 107.81 | 24.49 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 100.00 | 108.76 | 24.73 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 111.09 | 25.34 |      | 80.0  |         |
| 10469-AAC | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 17.75  | 87.20  | 18.79 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 14.00  | 85.57  | 18.31 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 106.37 | 23.13 |      | 80.0  |         |
| 10470-AAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | X | 100.00 | 121.94 | 31.09 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 100.00 | 124.37 | 32.03 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 131.73 | 34.95 |      | 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 | 107.76 | 24.46 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 100.00 | 108.72 | 24.71 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 111.03 | 25.31 |      | 80.0  |         |
| 10472-AAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | X | 17.66  | 87.12  | 18.76 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 13.95  | 85.51  | 18.28 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 106.29 | 23.09 |      | 80.0  |         |
| 10473-AAC | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | X | 100.00 | 121.91 | 31.08 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 100.00 | 124.35 | 32.02 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 131.71 | 34.94 |      | 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 | 107.77 | 24.46 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 100.00 | 108.72 | 24.71 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 111.04 | 25.31 |      | 80.0  |         |
| 10475-AAC | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | X | 17.40  | 86.97  | 18.72 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 13.69  | 85.34  | 18.23 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 106.31 | 23.09 |      | 80.0  |         |

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| 10477-AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)    | X | 100.00 | 107.61 | 24.38 | 3.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 100.00 | 108.54 | 24.62 |      | 80.0 |         |
|           |                                                                     | Z | 100.00 | 110.80 | 25.20 |      | 80.0 |         |
| 10478-AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)    | X | 17.05  | 86.74  | 18.65 | 3.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 13.36  | 85.05  | 18.15 |      | 80.0 |         |
|           |                                                                     | Z | 100.00 | 106.23 | 23.06 |      | 80.0 |         |
| 10479-AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | X | 16.38  | 96.25  | 26.55 | 3.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 67.88  | 117.63 | 31.48 |      | 80.0 |         |
|           |                                                                     | Z | 100.00 | 127.65 | 34.56 |      | 80.0 |         |
| 10480-AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 16.32  | 90.60  | 23.14 | 3.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 50.74  | 104.65 | 25.94 |      | 80.0 |         |
|           |                                                                     | Z | 100.00 | 115.88 | 28.82 |      | 80.0 |         |
| 10481-AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 13.22  | 86.87  | 21.66 | 3.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 27.03  | 95.30  | 23.07 |      | 80.0 |         |
|           |                                                                     | Z | 100.00 | 113.38 | 27.67 |      | 80.0 |         |
| 10482-AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 6.63   | 81.21  | 20.60 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 5.02   | 76.82  | 18.00 |      | 80.0 |         |
|           |                                                                     | Z | 15.01  | 92.87  | 23.34 |      | 80.0 |         |
| 10483-AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 8.49   | 81.37  | 20.38 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 7.54   | 78.76  | 18.15 |      | 80.0 |         |
|           |                                                                     | Z | 35.01  | 99.36  | 24.35 |      | 80.0 |         |
| 10484-AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 7.78   | 79.92  | 19.89 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 6.47   | 76.62  | 17.39 |      | 80.0 |         |
|           |                                                                     | Z | 20.63  | 92.43  | 22.48 |      | 80.0 |         |
| 10485-AAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 6.69   | 81.72  | 21.56 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 5.83   | 79.61  | 20.17 |      | 80.0 |         |
|           |                                                                     | Z | 12.75  | 92.98  | 24.87 |      | 80.0 |         |
| 10486-AAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 4.98   | 74.19  | 18.44 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 4.45   | 72.65  | 16.90 |      | 80.0 |         |
|           |                                                                     | Z | 6.10   | 78.25  | 19.23 |      | 80.0 |         |
| 10487-AAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 4.89   | 73.60  | 18.21 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 4.34   | 71.99  | 16.61 |      | 80.0 |         |
|           |                                                                     | Z | 5.72   | 76.98  | 18.74 |      | 80.0 |         |
| 10488-AAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | X | 6.16   | 79.05  | 21.16 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 5.43   | 77.51  | 20.38 |      | 80.0 |         |
|           |                                                                     | Z | 7.50   | 84.30  | 23.25 |      | 80.0 |         |
| 10489-AAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | X | 4.90   | 72.90  | 18.94 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 4.67   | 72.57  | 18.39 |      | 80.0 |         |
|           |                                                                     | Z | 5.24   | 75.60  | 19.93 |      | 80.0 |         |
| 10490-AAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | X | 4.95   | 72.51  | 18.81 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 4.72   | 72.25  | 18.27 |      | 80.0 |         |
|           |                                                                     | Z | 5.22   | 75.01  | 19.69 |      | 80.0 |         |
| 10491-AAC | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | X | 5.72   | 75.84  | 20.07 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 5.20   | 74.82  | 19.59 |      | 80.0 |         |
|           |                                                                     | Z | 6.10   | 78.75  | 21.47 |      | 80.0 |         |
| 10492-AAC | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | X | 5.06   | 71.53  | 18.65 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 4.83   | 71.25  | 18.27 |      | 80.0 |         |
|           |                                                                     | Z | 5.09   | 73.11  | 19.35 |      | 80.0 |         |



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| 10493-AAC | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 5.11 | 71.29 | 18.57 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 4.87 | 71.04 | 18.18 |      | 80.0 |         |
|           |                                                                      | Z | 5.10 | 72.78 | 19.21 |      | 80.0 |         |
| 10494-AAC | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 6.48 | 77.93 | 20.67 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 5.71 | 76.40 | 20.08 |      | 80.0 |         |
|           |                                                                      | Z | 7.06 | 81.21 | 22.25 |      | 80.0 |         |
| 10495-AAC | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 5.17 | 72.11 | 18.89 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 4.89 | 71.61 | 18.49 |      | 80.0 |         |
|           |                                                                      | Z | 5.16 | 73.55 | 19.61 |      | 80.0 |         |
| 10496-AAC | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 5.18 | 71.63 | 18.73 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 4.93 | 71.25 | 18.37 |      | 80.0 |         |
|           |                                                                      | Z | 5.15 | 72.98 | 19.40 |      | 80.0 |         |
| 10497-AAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | X | 5.04 | 76.98 | 18.31 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 3.11 | 70.04 | 14.27 |      | 80.0 |         |
|           |                                                                      | Z | 7.13 | 80.83 | 18.17 |      | 80.0 |         |
| 10498-AAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 3.32 | 68.67 | 14.12 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 1.86 | 62.15 | 9.60  |      | 80.0 |         |
|           |                                                                      | Z | 1.91 | 63.20 | 10.07 |      | 80.0 |         |
| 10499-AAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 3.19 | 67.89 | 13.65 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 1.77 | 61.49 | 9.11  |      | 80.0 |         |
|           |                                                                      | Z | 1.75 | 62.15 | 9.39  |      | 80.0 |         |
| 10500-AAA | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 6.19 | 79.93 | 21.18 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 5.54 | 78.44 | 20.15 |      | 80.0 |         |
|           |                                                                      | Z | 9.37 | 88.20 | 23.88 |      | 80.0 |         |
| 10501-AAA | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 4.93 | 73.55 | 18.58 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 4.60 | 72.81 | 17.53 |      | 80.0 |         |
|           |                                                                      | Z | 5.75 | 77.30 | 19.53 |      | 80.0 |         |
| 10502-AAA | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 4.94 | 73.24 | 18.41 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 4.60 | 72.48 | 17.33 |      | 80.0 |         |
|           |                                                                      | Z | 5.68 | 76.71 | 19.23 |      | 80.0 |         |
| 10503-AAC | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 6.08 | 78.83 | 21.06 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 5.35 | 77.27 | 20.28 |      | 80.0 |         |
|           |                                                                      | Z | 7.35 | 83.97 | 23.12 |      | 80.0 |         |
| 10504-AAC | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 4.88 | 72.81 | 18.90 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 4.64 | 72.45 | 18.33 |      | 80.0 |         |
|           |                                                                      | Z | 5.21 | 75.46 | 19.86 |      | 80.0 |         |
| 10505-AAC | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 4.92 | 72.42 | 18.76 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 4.69 | 72.14 | 18.21 |      | 80.0 |         |
|           |                                                                      | Z | 5.18 | 74.89 | 19.63 |      | 80.0 |         |
| 10506-AAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | X | 8.42 | 77.77 | 20.60 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 5.66 | 76.23 | 20.00 |      | 80.0 |         |
|           |                                                                      | Z | 6.98 | 81.00 | 22.16 |      | 80.0 |         |
| 10507-AAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | X | 5.15 | 72.05 | 18.85 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 4.87 | 71.55 | 18.45 |      | 80.0 |         |
|           |                                                                      | Z | 5.14 | 73.48 | 19.57 |      | 80.0 |         |

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| 10508-AAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 5.17 | 71.57 | 18.70 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 4.91 | 71.17 | 18.33 |      | 80.0  |         |
|           |                                                                     | Z | 5.13 | 72.90 | 19.35 |      | 80.0  |         |
| 10509-AAC | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | X | 6.19 | 75.06 | 19.59 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 5.68 | 74.12 | 19.23 |      | 80.0  |         |
|           |                                                                     | Z | 6.37 | 77.07 | 20.71 |      | 80.0  |         |
| 10510-AAC | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 5.54 | 71.31 | 18.62 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 5.25 | 70.80 | 18.30 |      | 80.0  |         |
|           |                                                                     | Z | 5.40 | 72.14 | 19.15 |      | 80.0  |         |
| 10511-AAC | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 5.54 | 70.92 | 18.51 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 5.29 | 70.52 | 18.22 |      | 80.0  |         |
|           |                                                                     | Z | 5.40 | 71.73 | 19.01 |      | 80.0  |         |
| 10512-AAC | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | X | 6.86 | 77.40 | 20.31 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 6.07 | 75.81 | 19.75 |      | 80.0  |         |
|           |                                                                     | Z | 7.22 | 79.78 | 21.58 |      | 80.0  |         |
| 10513-AAC | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 5.49 | 71.84 | 18.82 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 5.17 | 71.11 | 18.43 |      | 80.0  |         |
|           |                                                                     | Z | 5.35 | 72.60 | 19.35 |      | 80.0  |         |
| 10514-AAC | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 5.43 | 71.22 | 18.64 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 5.16 | 70.64 | 18.29 |      | 80.0  |         |
|           |                                                                     | Z | 5.29 | 71.94 | 19.13 |      | 80.0  |         |
| 10515-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)           | X | 0.98 | 63.75 | 15.16 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 1.00 | 63.29 | 14.58 |      | 150.0 |         |
|           |                                                                     | Z | 1.05 | 65.08 | 16.19 |      | 150.0 |         |
| 10516-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)         | X | 0.83 | 76.97 | 20.27 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 0.59 | 68.72 | 16.49 |      | 150.0 |         |
|           |                                                                     | Z | 1.51 | 88.84 | 26.21 |      | 150.0 |         |
| 10517-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)          | X | 0.85 | 66.36 | 16.14 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 0.84 | 64.88 | 15.08 |      | 150.0 |         |
|           |                                                                     | Z | 0.96 | 68.59 | 17.81 |      | 150.0 |         |
| 10518-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)           | X | 4.63 | 66.95 | 16.36 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.45 | 67.02 | 16.22 |      | 150.0 |         |
|           |                                                                     | Z | 4.49 | 67.46 | 16.60 |      | 150.0 |         |
| 10519-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)          | X | 4.83 | 67.23 | 16.49 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.61 | 67.21 | 16.32 |      | 150.0 |         |
|           |                                                                     | Z | 4.64 | 67.64 | 16.69 |      | 150.0 |         |
| 10520-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)          | X | 4.68 | 67.20 | 16.42 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.47 | 67.14 | 16.23 |      | 150.0 |         |
|           |                                                                     | Z | 4.50 | 67.60 | 16.62 |      | 150.0 |         |
| 10521-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)          | X | 4.62 | 67.21 | 16.40 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.40 | 67.12 | 16.21 |      | 150.0 |         |
|           |                                                                     | Z | 4.44 | 67.58 | 16.61 |      | 150.0 |         |
| 10522-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)          | X | 4.67 | 67.23 | 16.46 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.46 | 67.25 | 16.31 |      | 150.0 |         |
|           |                                                                     | Z | 4.49 | 67.72 | 16.71 |      | 150.0 |         |



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|           |                                                            |   |      |       |       |      |       |         |
|-----------|------------------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10523-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) | X | 4.54 | 67.10 | 16.30 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.37 | 67.19 | 16.20 |      | 150.0 |         |
|           |                                                            | Z | 4.41 | 67.68 | 16.61 |      | 150.0 |         |
| 10524-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) | X | 4.62 | 67.18 | 16.44 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.40 | 67.18 | 16.29 |      | 150.0 |         |
|           |                                                            | Z | 4.44 | 67.66 | 16.69 |      | 150.0 |         |
| 10525-AAA | IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)          | X | 4.58 | 66.20 | 16.02 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.42 | 66.27 | 15.90 |      | 150.0 |         |
|           |                                                            | Z | 4.47 | 66.74 | 16.29 |      | 150.0 |         |
| 10526-AAA | IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)          | X | 4.78 | 66.60 | 16.17 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.55 | 66.57 | 16.02 |      | 150.0 |         |
|           |                                                            | Z | 4.60 | 67.05 | 16.42 |      | 150.0 |         |
| 10527-AAA | IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)          | X | 4.69 | 66.56 | 16.12 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.48 | 66.53 | 15.96 |      | 150.0 |         |
|           |                                                            | Z | 4.53 | 67.03 | 16.37 |      | 150.0 |         |
| 10528-AAA | IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)          | X | 4.71 | 66.58 | 16.15 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.50 | 66.55 | 15.99 |      | 150.0 |         |
|           |                                                            | Z | 4.55 | 67.04 | 16.40 |      | 150.0 |         |
| 10529-AAA | IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)          | X | 4.71 | 66.58 | 16.15 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.50 | 66.55 | 15.99 |      | 150.0 |         |
|           |                                                            | Z | 4.55 | 67.04 | 16.40 |      | 150.0 |         |
| 10531-AAA | IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)          | X | 4.72 | 66.72 | 16.18 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.47 | 66.59 | 15.98 |      | 150.0 |         |
|           |                                                            | Z | 4.52 | 67.10 | 16.39 |      | 150.0 |         |
| 10532-AAA | IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)          | X | 4.57 | 66.58 | 16.11 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.35 | 66.45 | 15.91 |      | 150.0 |         |
|           |                                                            | Z | 4.40 | 66.96 | 16.33 |      | 150.0 |         |
| 10533-AAA | IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)          | X | 4.72 | 66.61 | 16.13 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.50 | 66.62 | 15.99 |      | 150.0 |         |
|           |                                                            | Z | 4.56 | 67.13 | 16.40 |      | 150.0 |         |
| 10534-AAA | IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)          | X | 5.23 | 66.71 | 16.20 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 5.06 | 66.61 | 16.08 |      | 150.0 |         |
|           |                                                            | Z | 5.09 | 66.98 | 16.40 |      | 150.0 |         |
| 10535-AAA | IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)          | X | 5.30 | 66.87 | 16.26 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 5.11 | 66.77 | 16.15 |      | 150.0 |         |
|           |                                                            | Z | 5.15 | 67.15 | 16.48 |      | 150.0 |         |
| 10536-AAA | IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)          | X | 5.17 | 66.84 | 16.23 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 5.00 | 66.75 | 16.12 |      | 150.0 |         |
|           |                                                            | Z | 5.04 | 67.15 | 16.46 |      | 150.0 |         |
| 10537-AAA | IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)          | X | 5.23 | 66.82 | 16.22 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 5.05 | 66.72 | 16.11 |      | 150.0 |         |
|           |                                                            | Z | 5.09 | 67.11 | 16.44 |      | 150.0 |         |
| 10538-AAA | IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)          | X | 5.34 | 66.88 | 16.30 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 5.13 | 66.71 | 16.14 |      | 150.0 |         |
|           |                                                            | Z | 5.16 | 67.07 | 16.46 |      | 150.0 |         |
| 10540-AAA | IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)          | X | 5.25 | 66.84 | 16.29 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 5.06 | 66.68 | 16.14 |      | 150.0 |         |
|           |                                                            | Z | 5.09 | 67.05 | 16.47 |      | 150.0 |         |

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|-----------|----------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10541-AAA | IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)  | X | 5.22 | 66.72 | 16.22 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.03 | 66.57 | 16.07 |      | 150.0 |         |
|           |                                                    | Z | 5.07 | 66.94 | 16.40 |      | 150.0 |         |
| 10542-AAA | IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)  | X | 5.38 | 66.79 | 16.27 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.19 | 66.68 | 16.14 |      | 150.0 |         |
|           |                                                    | Z | 5.22 | 67.03 | 16.46 |      | 150.0 |         |
| 10543-AAA | IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)  | X | 5.47 | 66.81 | 16.30 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.26 | 66.71 | 16.19 |      | 150.0 |         |
|           |                                                    | Z | 5.29 | 67.07 | 16.50 |      | 150.0 |         |
| 10544-AAA | IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)  | X | 5.52 | 66.80 | 16.18 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.40 | 66.71 | 16.07 |      | 150.0 |         |
|           |                                                    | Z | 5.43 | 67.03 | 16.37 |      | 150.0 |         |
| 10545-AAA | IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)  | X | 5.74 | 67.26 | 16.35 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.59 | 67.17 | 16.26 |      | 150.0 |         |
|           |                                                    | Z | 5.62 | 67.51 | 16.56 |      | 150.0 |         |
| 10546-AAA | IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)  | X | 5.62 | 67.08 | 16.28 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.43 | 66.84 | 16.11 |      | 150.0 |         |
|           |                                                    | Z | 5.47 | 67.17 | 16.41 |      | 150.0 |         |
| 10547-AAA | IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)  | X | 5.71 | 67.17 | 16.31 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.51 | 66.94 | 16.15 |      | 150.0 |         |
|           |                                                    | Z | 5.55 | 67.27 | 16.45 |      | 150.0 |         |
| 10548-AAA | IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)  | X | 6.05 | 68.39 | 16.90 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.70 | 67.70 | 16.51 |      | 150.0 |         |
|           |                                                    | Z | 5.74 | 68.06 | 16.82 |      | 150.0 |         |
| 10550-AAA | IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)  | X | 5.63 | 67.05 | 16.27 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.49 | 67.01 | 16.21 |      | 150.0 |         |
|           |                                                    | Z | 5.53 | 67.36 | 16.51 |      | 150.0 |         |
| 10551-AAA | IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)  | X | 5.64 | 67.11 | 16.26 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.45 | 66.86 | 16.09 |      | 150.0 |         |
|           |                                                    | Z | 5.47 | 67.17 | 16.38 |      | 150.0 |         |
| 10552-AAA | IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)  | X | 5.55 | 66.87 | 16.16 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.40 | 66.80 | 16.06 |      | 150.0 |         |
|           |                                                    | Z | 5.44 | 67.13 | 16.36 |      | 150.0 |         |
| 10553-AAA | IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)  | X | 5.64 | 66.93 | 16.21 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.47 | 66.77 | 16.08 |      | 150.0 |         |
|           |                                                    | Z | 5.49 | 67.09 | 16.37 |      | 150.0 |         |
| 10554-AAB | IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle) | X | 5.93 | 67.19 | 16.27 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.82 | 67.06 | 16.16 |      | 150.0 |         |
|           |                                                    | Z | 5.85 | 67.36 | 16.43 |      | 150.0 |         |
| 10555-AAB | IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle) | X | 6.08 | 67.52 | 16.42 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.93 | 67.32 | 16.28 |      | 150.0 |         |
|           |                                                    | Z | 5.96 | 67.63 | 16.55 |      | 150.0 |         |
| 10556-AAB | IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle) | X | 6.09 | 67.55 | 16.42 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.96 | 67.41 | 16.31 |      | 150.0 |         |
|           |                                                    | Z | 5.99 | 67.73 | 16.59 |      | 150.0 |         |
| 10557-AAB | IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle) | X | 6.07 | 67.49 | 16.41 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.91 | 67.27 | 16.26 |      | 150.0 |         |
|           |                                                    | Z | 5.94 | 67.58 | 16.53 |      | 150.0 |         |



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|           |                                                                 |   |        |        |       |      |       |         |
|-----------|-----------------------------------------------------------------|---|--------|--------|-------|------|-------|---------|
| 10558-AAB | IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)              | X | 6.13   | 67.68  | 16.53 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 5.94   | 67.39  | 16.34 |      | 150.0 |         |
|           |                                                                 | Z | 5.97   | 67.69  | 16.61 |      | 150.0 |         |
| 10560-AAB | IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)              | X | 6.12   | 67.49  | 16.47 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 5.94   | 67.27  | 16.31 |      | 150.0 |         |
|           |                                                                 | Z | 5.97   | 67.57  | 16.58 |      | 150.0 |         |
| 10561-AAB | IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)              | X | 6.03   | 67.47  | 16.50 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 5.88   | 67.27  | 16.34 |      | 150.0 |         |
|           |                                                                 | Z | 5.91   | 67.57  | 16.62 |      | 150.0 |         |
| 10562-AAB | IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)              | X | 6.20   | 67.97  | 16.75 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 5.95   | 67.47  | 16.45 |      | 150.0 |         |
|           |                                                                 | Z | 5.98   | 67.78  | 16.73 |      | 150.0 |         |
| 10563-AAB | IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)              | X | 6.58   | 68.66  | 17.04 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 6.04   | 67.41  | 16.38 |      | 150.0 |         |
|           |                                                                 | Z | 6.07   | 67.70  | 16.65 |      | 150.0 |         |
| 10564-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)  | X | 4.97   | 67.09  | 16.55 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.79   | 67.11  | 16.40 |      | 150.0 |         |
|           |                                                                 | Z | 4.82   | 67.50  | 16.74 |      | 150.0 |         |
| 10565-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle) | X | 5.21   | 67.54  | 16.86 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.99   | 67.51  | 16.70 |      | 150.0 |         |
|           |                                                                 | Z | 5.01   | 67.89  | 17.03 |      | 150.0 |         |
| 10566-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle) | X | 5.05   | 67.42  | 16.70 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.83   | 67.35  | 16.52 |      | 150.0 |         |
|           |                                                                 | Z | 4.86   | 67.74  | 16.86 |      | 150.0 |         |
| 10567-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle) | X | 5.07   | 67.76  | 17.01 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.86   | 67.73  | 16.87 |      | 150.0 |         |
|           |                                                                 | Z | 4.89   | 68.12  | 17.21 |      | 150.0 |         |
| 10568-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) | X | 4.97   | 67.22  | 16.49 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.74   | 67.15  | 16.30 |      | 150.0 |         |
|           |                                                                 | Z | 4.77   | 67.57  | 16.67 |      | 150.0 |         |
| 10569-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) | X | 5.01   | 67.80  | 17.03 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.85   | 67.94  | 17.00 |      | 150.0 |         |
|           |                                                                 | Z | 4.88   | 68.35  | 17.35 |      | 150.0 |         |
| 10570-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) | X | 5.06   | 67.67  | 16.99 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.85   | 67.73  | 16.90 |      | 150.0 |         |
|           |                                                                 | Z | 4.88   | 68.13  | 17.24 |      | 150.0 |         |
| 10571-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)       | X | 1.35   | 66.65  | 16.75 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 1.36   | 65.85  | 16.03 |      | 130.0 |         |
|           |                                                                 | Z | 1.42   | 67.88  | 17.67 |      | 130.0 |         |
| 10572-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)       | X | 1.38   | 67.37  | 17.15 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 1.38   | 66.47  | 16.39 |      | 130.0 |         |
|           |                                                                 | Z | 1.45   | 68.73  | 18.16 |      | 130.0 |         |
| 10573-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)     | X | 33.02  | 127.11 | 34.22 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 2.78   | 86.95  | 23.34 |      | 130.0 |         |
|           |                                                                 | Z | 100.00 | 153.11 | 41.78 |      | 130.0 |         |
| 10574-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)      | X | 1.76   | 75.44  | 20.83 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 1.57   | 72.37  | 19.24 |      | 130.0 |         |
|           |                                                                 | Z | 2.03   | 79.09  | 22.93 |      | 130.0 |         |

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|           |                                                                 |   |      |       |       |      |       |         |
|-----------|-----------------------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10575-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)  | X | 4.78 | 66.97 | 16.66 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.62 | 67.03 | 16.50 |      | 130.0 |         |
|           |                                                                 | Z | 4.63 | 67.40 | 16.85 |      | 130.0 |         |
| 10576-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)  | X | 4.81 | 67.11 | 16.71 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.65 | 67.21 | 16.58 |      | 130.0 |         |
|           |                                                                 | Z | 4.66 | 67.60 | 16.93 |      | 130.0 |         |
| 10577-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) | X | 5.03 | 67.42 | 16.88 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.82 | 67.44 | 16.72 |      | 130.0 |         |
|           |                                                                 | Z | 4.83 | 67.81 | 17.06 |      | 130.0 |         |
| 10578-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) | X | 4.92 | 67.58 | 16.97 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.72 | 67.60 | 16.83 |      | 130.0 |         |
|           |                                                                 | Z | 4.74 | 67.98 | 17.18 |      | 130.0 |         |
| 10579-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) | X | 4.71 | 67.00 | 16.38 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.49 | 66.86 | 16.13 |      | 130.0 |         |
|           |                                                                 | Z | 4.51 | 67.28 | 16.51 |      | 130.0 |         |
| 10580-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) | X | 4.75 | 67.00 | 16.39 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.53 | 66.92 | 16.16 |      | 130.0 |         |
|           |                                                                 | Z | 4.55 | 67.35 | 16.54 |      | 130.0 |         |
| 10581-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) | X | 4.83 | 67.65 | 16.92 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.64 | 67.69 | 16.81 |      | 130.0 |         |
|           |                                                                 | Z | 4.66 | 68.11 | 17.18 |      | 130.0 |         |
| 10582-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) | X | 4.66 | 66.79 | 16.19 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.42 | 66.63 | 15.91 |      | 130.0 |         |
|           |                                                                 | Z | 4.44 | 67.06 | 16.31 |      | 130.0 |         |
| 10583-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)       | X | 4.78 | 66.97 | 16.66 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.62 | 67.03 | 16.50 |      | 130.0 |         |
|           |                                                                 | Z | 4.63 | 67.40 | 16.85 |      | 130.0 |         |
| 10584-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)       | X | 4.81 | 67.11 | 16.71 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.65 | 67.21 | 16.58 |      | 130.0 |         |
|           |                                                                 | Z | 4.66 | 67.60 | 16.93 |      | 130.0 |         |
| 10585-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)      | X | 5.03 | 67.42 | 16.88 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.82 | 67.44 | 16.72 |      | 130.0 |         |
|           |                                                                 | Z | 4.83 | 67.81 | 17.06 |      | 130.0 |         |
| 10586-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)      | X | 4.92 | 67.58 | 16.97 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.72 | 67.60 | 16.83 |      | 130.0 |         |
|           |                                                                 | Z | 4.74 | 67.98 | 17.18 |      | 130.0 |         |
| 10587-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)      | X | 4.71 | 67.00 | 16.38 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.49 | 66.86 | 16.13 |      | 130.0 |         |
|           |                                                                 | Z | 4.51 | 67.28 | 16.51 |      | 130.0 |         |
| 10588-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)      | X | 4.75 | 67.00 | 16.39 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.53 | 66.92 | 16.16 |      | 130.0 |         |
|           |                                                                 | Z | 4.55 | 67.35 | 16.54 |      | 130.0 |         |
| 10589-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)      | X | 4.83 | 67.65 | 16.92 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.64 | 67.69 | 16.81 |      | 130.0 |         |
|           |                                                                 | Z | 4.66 | 68.11 | 17.18 |      | 130.0 |         |
| 10590-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)      | X | 4.66 | 66.79 | 16.19 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.42 | 66.63 | 15.91 |      | 130.0 |         |
|           |                                                                 | Z | 4.44 | 67.06 | 16.31 |      | 130.0 |         |



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|           |                                                       |   |      |       |       |      |       |         |
|-----------|-------------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10591-AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle) | X | 4.93 | 67.00 | 16.74 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.77 | 67.09 | 16.61 |      | 130.0 |         |
|           |                                                       | Z | 4.78 | 67.43 | 16.94 |      | 130.0 |         |
| 10592-AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle) | X | 5.10 | 67.34 | 16.86 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.90 | 67.39 | 16.73 |      | 130.0 |         |
|           |                                                       | Z | 4.91 | 67.74 | 17.06 |      | 130.0 |         |
| 10593-AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle) | X | 5.03 | 67.29 | 16.77 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.82 | 67.28 | 16.60 |      | 130.0 |         |
|           |                                                       | Z | 4.83 | 67.64 | 16.94 |      | 130.0 |         |
| 10594-AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle) | X | 5.08 | 67.43 | 16.90 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.87 | 67.45 | 16.76 |      | 130.0 |         |
|           |                                                       | Z | 4.89 | 67.81 | 17.10 |      | 130.0 |         |
| 10595-AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle) | X | 5.05 | 67.41 | 16.81 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.84 | 67.43 | 16.67 |      | 130.0 |         |
|           |                                                       | Z | 4.86 | 67.81 | 17.02 |      | 130.0 |         |
| 10596-AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle) | X | 4.99 | 67.42 | 16.82 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.78 | 67.41 | 16.67 |      | 130.0 |         |
|           |                                                       | Z | 4.79 | 67.80 | 17.03 |      | 130.0 |         |
| 10597-AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle) | X | 4.94 | 67.35 | 16.73 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.73 | 67.29 | 16.53 |      | 130.0 |         |
|           |                                                       | Z | 4.74 | 67.68 | 16.89 |      | 130.0 |         |
| 10598-AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle) | X | 4.92 | 67.56 | 16.96 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.71 | 67.51 | 16.79 |      | 130.0 |         |
|           |                                                       | Z | 4.73 | 67.89 | 17.14 |      | 130.0 |         |
| 10599-AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle) | X | 5.60 | 67.58 | 16.94 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.44 | 67.55 | 16.84 |      | 130.0 |         |
|           |                                                       | Z | 5.45 | 67.84 | 17.12 |      | 130.0 |         |
| 10600-AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle) | X | 5.80 | 68.21 | 17.23 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.56 | 67.97 | 17.02 |      | 130.0 |         |
|           |                                                       | Z | 5.58 | 68.29 | 17.33 |      | 130.0 |         |
| 10601-AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle) | X | 5.85 | 67.84 | 17.06 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.45 | 67.71 | 16.91 |      | 130.0 |         |
|           |                                                       | Z | 5.47 | 68.02 | 17.21 |      | 130.0 |         |
| 10602-AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle) | X | 5.74 | 67.84 | 16.98 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.59 | 67.90 | 16.92 |      | 130.0 |         |
|           |                                                       | Z | 5.60 | 68.22 | 17.23 |      | 130.0 |         |
| 10603-AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle) | X | 5.82 | 68.10 | 17.23 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.67 | 68.21 | 17.21 |      | 130.0 |         |
|           |                                                       | Z | 5.68 | 68.52 | 17.51 |      | 130.0 |         |
| 10604-AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle) | X | 5.60 | 67.54 | 16.94 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.54 | 67.84 | 17.01 |      | 130.0 |         |
|           |                                                       | Z | 5.55 | 68.13 | 17.30 |      | 130.0 |         |
| 10605-AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle) | X | 5.73 | 67.92 | 17.14 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.56 | 67.86 | 17.02 |      | 130.0 |         |
|           |                                                       | Z | 5.57 | 68.17 | 17.32 |      | 130.0 |         |
| 10606-AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle) | X | 5.49 | 67.32 | 16.71 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.31 | 67.21 | 16.55 |      | 130.0 |         |
|           |                                                       | Z | 5.33 | 67.53 | 16.86 |      | 130.0 |         |

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|           |                                                   |   |      |       |       |      |       |         |
|-----------|---------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10607-AAA | IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle) | X | 4.76 | 66.29 | 16.34 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.61 | 66.41 | 16.24 |      | 130.0 |         |
|           |                                                   | Z | 4.63 | 66.82 | 16.60 |      | 130.0 |         |
| 10608-AAA | IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle) | X | 4.97 | 66.72 | 16.51 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.76 | 66.75 | 16.39 |      | 130.0 |         |
|           |                                                   | Z | 4.79 | 67.17 | 16.75 |      | 130.0 |         |
| 10609-AAA | IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle) | X | 4.86 | 66.60 | 16.37 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.65 | 66.60 | 16.22 |      | 130.0 |         |
|           |                                                   | Z | 4.69 | 67.03 | 16.60 |      | 130.0 |         |
| 10610-AAA | IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle) | X | 4.91 | 66.74 | 16.52 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.70 | 66.76 | 16.38 |      | 130.0 |         |
|           |                                                   | Z | 4.73 | 67.18 | 16.75 |      | 130.0 |         |
| 10611-AAA | IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle) | X | 4.83 | 66.58 | 16.39 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.62 | 66.57 | 16.23 |      | 130.0 |         |
|           |                                                   | Z | 4.65 | 67.00 | 16.61 |      | 130.0 |         |
| 10612-AAA | IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle) | X | 4.85 | 66.75 | 16.44 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.62 | 66.71 | 16.28 |      | 130.0 |         |
|           |                                                   | Z | 4.65 | 67.17 | 16.67 |      | 130.0 |         |
| 10613-AAA | IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle) | X | 4.86 | 66.67 | 16.34 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.61 | 66.55 | 16.13 |      | 130.0 |         |
|           |                                                   | Z | 4.65 | 66.99 | 16.52 |      | 130.0 |         |
| 10614-AAA | IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle) | X | 4.79 | 66.81 | 16.54 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.58 | 66.76 | 16.37 |      | 130.0 |         |
|           |                                                   | Z | 4.61 | 67.20 | 16.76 |      | 130.0 |         |
| 10615-AAA | IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle) | X | 4.84 | 66.43 | 16.19 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.62 | 66.41 | 16.01 |      | 130.0 |         |
|           |                                                   | Z | 4.65 | 66.86 | 16.40 |      | 130.0 |         |
| 10616-AAA | IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle) | X | 5.42 | 66.82 | 16.53 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.24 | 66.73 | 16.41 |      | 130.0 |         |
|           |                                                   | Z | 5.26 | 67.06 | 16.72 |      | 130.0 |         |
| 10617-AAA | IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle) | X | 5.48 | 66.95 | 16.57 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.31 | 66.93 | 16.49 |      | 130.0 |         |
|           |                                                   | Z | 5.33 | 67.26 | 16.80 |      | 130.0 |         |
| 10618-AAA | IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle) | X | 5.37 | 67.00 | 16.61 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.21 | 66.97 | 16.52 |      | 130.0 |         |
|           |                                                   | Z | 5.23 | 67.32 | 16.84 |      | 130.0 |         |
| 10619-AAA | IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle) | X | 5.40 | 66.85 | 16.48 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.22 | 66.76 | 16.35 |      | 130.0 |         |
|           |                                                   | Z | 5.24 | 67.11 | 16.67 |      | 130.0 |         |
| 10620-AAA | IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle) | X | 5.50 | 66.93 | 16.57 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.29 | 66.77 | 16.40 |      | 130.0 |         |
|           |                                                   | Z | 5.31 | 67.11 | 16.71 |      | 130.0 |         |
| 10621-AAA | IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle) | X | 5.47 | 66.95 | 16.68 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.30 | 66.89 | 16.58 |      | 130.0 |         |
|           |                                                   | Z | 5.31 | 67.19 | 16.87 |      | 130.0 |         |
| 10622-AAA | IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle) | X | 5.48 | 67.11 | 16.76 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.29 | 66.99 | 16.62 |      | 130.0 |         |
|           |                                                   | Z | 5.31 | 67.32 | 16.93 |      | 130.0 |         |



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|           |                                                    |   |      |       |       |      |       |         |
|-----------|----------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10623-AAA | IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)  | X | 5.37 | 66.68 | 16.43 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.18 | 66.53 | 16.27 |      | 130.0 |         |
|           |                                                    | Z | 5.19 | 66.86 | 16.57 |      | 130.0 |         |
| 10624-AAA | IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)  | X | 5.56 | 66.88 | 16.59 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.37 | 66.78 | 16.45 |      | 130.0 |         |
|           |                                                    | Z | 5.39 | 67.09 | 16.75 |      | 130.0 |         |
| 10625-AAA | IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)  | X | 6.01 | 68.09 | 17.25 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.53 | 67.13 | 16.69 |      | 130.0 |         |
|           |                                                    | Z | 5.53 | 67.40 | 16.96 |      | 130.0 |         |
| 10626-AAA | IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)  | X | 5.68 | 66.84 | 16.46 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.56 | 66.77 | 16.37 |      | 130.0 |         |
|           |                                                    | Z | 5.58 | 67.06 | 16.64 |      | 130.0 |         |
| 10627-AAA | IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)  | X | 5.95 | 67.47 | 16.74 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.81 | 67.41 | 16.66 |      | 130.0 |         |
|           |                                                    | Z | 5.83 | 67.72 | 16.95 |      | 130.0 |         |
| 10628-AAA | IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)  | X | 5.75 | 67.03 | 16.46 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.57 | 66.78 | 16.27 |      | 130.0 |         |
|           |                                                    | Z | 5.59 | 67.08 | 16.56 |      | 130.0 |         |
| 10629-AAA | IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)  | X | 5.83 | 67.08 | 16.48 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.66 | 66.92 | 16.34 |      | 130.0 |         |
|           |                                                    | Z | 5.68 | 67.24 | 16.63 |      | 130.0 |         |
| 10630-AAA | IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)  | X | 6.46 | 69.14 | 17.51 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.98 | 68.08 | 16.93 |      | 130.0 |         |
|           |                                                    | Z | 6.01 | 68.42 | 17.23 |      | 130.0 |         |
| 10631-AAA | IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)  | X | 6.24 | 68.58 | 17.40 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.90 | 67.96 | 17.05 |      | 130.0 |         |
|           |                                                    | Z | 5.92 | 68.25 | 17.32 |      | 130.0 |         |
| 10632-AAA | IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)  | X | 5.91 | 67.45 | 16.85 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.79 | 67.52 | 16.85 |      | 130.0 |         |
|           |                                                    | Z | 5.81 | 67.82 | 17.13 |      | 130.0 |         |
| 10633-AAA | IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)  | X | 5.82 | 67.19 | 16.56 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.63 | 66.97 | 16.40 |      | 130.0 |         |
|           |                                                    | Z | 5.64 | 67.25 | 16.68 |      | 130.0 |         |
| 10634-AAA | IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)  | X | 5.79 | 67.17 | 16.61 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.61 | 67.01 | 16.47 |      | 130.0 |         |
|           |                                                    | Z | 5.63 | 67.30 | 16.75 |      | 130.0 |         |
| 10635-AAA | IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)  | X | 5.70 | 66.61 | 16.09 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.48 | 66.31 | 15.86 |      | 130.0 |         |
|           |                                                    | Z | 5.50 | 66.62 | 16.16 |      | 130.0 |         |
| 10636-AAB | IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle) | X | 6.10 | 67.24 | 16.56 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.99 | 67.13 | 16.46 |      | 130.0 |         |
|           |                                                    | Z | 6.01 | 67.39 | 16.71 |      | 130.0 |         |
| 10637-AAB | IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle) | X | 6.27 | 67.65 | 16.75 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 6.13 | 67.48 | 16.62 |      | 130.0 |         |
|           |                                                    | Z | 6.15 | 67.76 | 16.88 |      | 130.0 |         |
| 10638-AAB | IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle) | X | 6.27 | 67.63 | 16.72 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 6.14 | 67.48 | 16.60 |      | 130.0 |         |
|           |                                                    | Z | 6.16 | 67.77 | 16.86 |      | 130.0 |         |

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|           |                                                        |   |        |        |       |      |       |         |
|-----------|--------------------------------------------------------|---|--------|--------|-------|------|-------|---------|
| 10639-AAB | IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)     | X | 6.26   | 67.59  | 16.75 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.10   | 67.38  | 16.59 |      | 130.0 |         |
|           |                                                        | Z | 6.12   | 67.65  | 16.85 |      | 130.0 |         |
| 10640-AAB | IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)     | X | 6.29   | 67.69  | 16.74 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.08   | 67.35  | 16.52 |      | 130.0 |         |
|           |                                                        | Z | 6.10   | 67.63  | 16.78 |      | 130.0 |         |
| 10641-AAB | IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)     | X | 6.29   | 67.45  | 16.64 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.17   | 67.38  | 16.56 |      | 130.0 |         |
|           |                                                        | Z | 6.19   | 67.66  | 16.82 |      | 130.0 |         |
| 10642-AAB | IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)     | X | 6.34   | 67.72  | 16.93 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.18   | 67.55  | 16.80 |      | 130.0 |         |
|           |                                                        | Z | 6.20   | 67.81  | 17.05 |      | 130.0 |         |
| 10643-AAB | IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)     | X | 6.18   | 67.45  | 16.71 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.04   | 67.28  | 16.56 |      | 130.0 |         |
|           |                                                        | Z | 6.06   | 67.56  | 16.83 |      | 130.0 |         |
| 10644-AAB | IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)     | X | 6.41   | 68.15  | 17.08 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.11   | 67.52  | 16.70 |      | 130.0 |         |
|           |                                                        | Z | 6.13   | 67.79  | 16.97 |      | 130.0 |         |
| 10645-AAB | IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)     | X | 6.89   | 69.09  | 17.50 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.27   | 67.66  | 16.74 |      | 130.0 |         |
|           |                                                        | Z | 6.29   | 67.94  | 17.01 |      | 130.0 |         |
| 10646-AAB | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)  | X | 64.19  | 131.45 | 42.80 | 9.30 | 60.0  | ± 9.6 % |
|           |                                                        | Y | 39.44  | 122.26 | 40.64 |      | 60.0  |         |
|           |                                                        | Z | 100.00 | 149.64 | 48.88 |      | 60.0  |         |
| 10647-AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) | X | 68.56  | 133.96 | 43.63 | 9.30 | 60.0  | ± 9.6 % |
|           |                                                        | Y | 38.11  | 122.47 | 40.87 |      | 60.0  |         |
|           |                                                        | Z | 100.00 | 151.09 | 49.52 |      | 60.0  |         |
| 10648-AAA | CDMA2000 (1x Advanced)                                 | X | 0.78   | 64.98  | 11.92 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                        | Y | 0.62   | 63.02  | 9.83  |      | 150.0 |         |
|           |                                                        | Z | 0.79   | 66.75  | 12.01 |      | 150.0 |         |
| 10652-AAB | LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         | X | 4.43   | 69.08  | 17.63 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                        | Y | 4.33   | 69.22  | 17.26 |      | 80.0  |         |
|           |                                                        | Z | 4.47   | 70.61  | 18.13 |      | 80.0  |         |
| 10653-AAB | LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)        | X | 4.88   | 68.18  | 17.64 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                        | Y | 4.77   | 68.18  | 17.37 |      | 80.0  |         |
|           |                                                        | Z | 4.79   | 68.93  | 17.94 |      | 80.0  |         |
| 10654-AAB | LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)        | X | 4.81   | 67.82  | 17.62 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                        | Y | 4.74   | 67.78  | 17.39 |      | 80.0  |         |
|           |                                                        | Z | 4.74   | 68.41  | 17.91 |      | 80.0  |         |
| 10655-AAB | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)        | X | 4.87   | 67.84  | 17.67 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                        | Y | 4.81   | 67.69  | 17.41 |      | 80.0  |         |
|           |                                                        | Z | 4.79   | 68.28  | 17.91 |      | 80.0  |         |

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



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



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Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

Client **DT&C (Dymstec)**

Certificate No: **EX3-3930\_Jul17**

## CALIBRATION CERTIFICATE

Object **EX3DV4 - SN:3930**

Calibration procedure(s) **A CAL-01.v9, QA CAL-14.v4, QA CAL-23.v5, QA CAL-25.v6**  
**Calibration procedure for dosimetric E-field probes**

Calibration date: **July 26, 2017**

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

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

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards          | ID               | Cal Date (Certificate No.)        | Scheduled Calibration  |
|----------------------------|------------------|-----------------------------------|------------------------|
| Power meter NRP            | SN: 104778       | 04-Apr-17 (No. 217-02521/02522)   | Apr-18                 |
| Power sensor NRP-Z91       | SN: 103244       | 04-Apr-17 (No. 217-02521)         | Apr-18                 |
| Power sensor NRP-Z91       | SN: 103245       | 04-Apr-17 (No. 217-02525)         | Apr-18                 |
| Reference 20 dB Attenuator | SN: S5277 (20x)  | 07-Apr-17 (No. 217-02528)         | Apr-18                 |
| Reference Probe ES3DV2     | SN: 3013         | 31-Dec-16 (No. ES3-3013_Dec16)    | Dec-17                 |
| DAE4                       | SN: 660          | 7-Dec-16 (No. DAE4-660_Dec16)     | Dec-17                 |
| Secondary Standards        | ID               | Check Date (in house)             | Scheduled Check        |
| Power meter E4419B         | SN: GB41293874   | 06-Apr-16 (in house check Jun-16) | In house check: Jun-18 |
| Power sensor E4412A        | SN: MY41498087   | 06-Apr-16 (in house check Jun-16) | In house check: Jun-18 |
| Power sensor E4412A        | SN: 000110210    | 06-Apr-16 (in house check Jun-16) | In house check: Jun-18 |
| RF generator HP 8648C      | SN: US3642U01700 | 04-Aug-99 (in house check Jun-16) | In house check: Jun-18 |
| Network Analyzer HP 8753E  | SN: US37390585   | 18-Oct-01 (in house check Oct-16) | In house check: Oct-17 |

|                                                                                                                 | Name          | Function              | Signature |
|-----------------------------------------------------------------------------------------------------------------|---------------|-----------------------|-----------|
| Calibrated by:                                                                                                  | Michael Weber | Laboratory Technician |           |
| Approved by:                                                                                                    | Katja Pokovic | Technical Manager     |           |
| Issued: July 26, 2017                                                                                           |               |                       |           |
| This calibration certificate shall not be reproduced except in full without written approval of the laboratory. |               |                       |           |

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Accreditation No.: **SCS 0108**

**Glossary:**

|                          |                                                                                                                                                         |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| TSL                      | tissue simulating liquid                                                                                                                                |
| NORM <sub>x,y,z</sub>    | sensitivity in free space                                                                                                                               |
| ConvF                    | sensitivity in TSL / NORM <sub>x,y,z</sub>                                                                                                              |
| DCP                      | diode compression point                                                                                                                                 |
| CF                       | crest factor (1/duty_cycle) of the RF signal                                                                                                            |
| A, B, C, D               | modulation dependent linearization parameters                                                                                                           |
| Polarization $\phi$      | $\phi$ rotation around probe axis                                                                                                                       |
| Polarization $\vartheta$ | $\vartheta$ rotation around an axis that is in the plane normal to probe axis (at measurement center),<br>i.e., $\vartheta = 0$ is normal to probe axis |
| Connector Angle          | information used in DASY system to align probe sensor X to the robot coordinate system                                                                  |

**Calibration is Performed According to the Following Standards:**

- IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- IEC 62209-1, "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from hand-held and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
- IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

**Methods Applied and Interpretation of Parameters:**

- NORM<sub>x,y,z</sub>**: Assessed for E-field polarization  $\vartheta = 0$  ( $f \leq 900$  MHz in TEM-cell;  $f > 1800$  MHz: R22 waveguide). NORM<sub>x,y,z</sub> are only intermediate values, i.e., the uncertainties of NORM<sub>x,y,z</sub> does not affect the E<sup>2</sup>-field uncertainty inside TSL (see below *ConvF*).
- NORM(f)<sub>x,y,z</sub>** = NORM<sub>x,y,z</sub> \* frequency\_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of *ConvF*.
- DCP<sub>x,y,z</sub>**: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- PAR**: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- A<sub>x,y,z</sub>; B<sub>x,y,z</sub>; C<sub>x,y,z</sub>; D<sub>x,y,z</sub>; VR<sub>x,y,z</sub>**: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters**: Assessed in flat phantom using E-field (or Temperature Transfer Standard for  $f \leq 800$  MHz) and inside waveguide using analytical field distributions based on power measurements for  $f > 800$  MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORM<sub>x,y,z</sub> \* ConvF whereby the uncertainty corresponds to that given for *ConvF*. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from  $\pm 50$  MHz to  $\pm 100$  MHz.
- Spherical isotropy (3D deviation from isotropy)**: in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset**: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle**: The angle is assessed using the information gained by determining the NORM<sub>x</sub> (no uncertainty required).



EX3DV4 – SN:3930

July 26, 2017

# Probe EX3DV4

## SN:3930

Manufactured: July 24, 2013  
Calibrated: July 26, 2017

Calibrated for DASY/EASY Systems  
(Note: non-compatible with DASY2 system!)

EX3DV4– SN:3930

July 26, 2017

## DASY/EASY - Parameters of Probe: EX3DV4 - SN:3930

### Basic Calibration Parameters

|                                                           | Sensor X | Sensor Y | Sensor Z | Unc (k=2)     |
|-----------------------------------------------------------|----------|----------|----------|---------------|
| Norm ( $\mu\text{V}/(\text{V}/\text{m})^2$ ) <sup>A</sup> | 0.41     | 0.48     | 0.41     | $\pm 10.1 \%$ |
| DCP (mV) <sup>B</sup>                                     | 102.3    | 100.5    | 102.3    |               |

### Modulation Calibration Parameters

| UID | Communication System Name |   | A<br>dB | B<br>dB $\sqrt{\mu\text{V}}$ | C   | D<br>dB | VR<br>mV | Unc <sup>E</sup><br>(k=2) |
|-----|---------------------------|---|---------|------------------------------|-----|---------|----------|---------------------------|
| 0   | CW                        | X | 0.0     | 0.0                          | 1.0 | 0.00    | 156.8    | $\pm 3.3 \%$              |
|     |                           | Y | 0.0     | 0.0                          | 1.0 |         | 166.7    |                           |
|     |                           | Z | 0.0     | 0.0                          | 1.0 |         | 161.8    |                           |

Note: For details on UID parameters see Appendix.

### Sensor Model Parameters

|   | C1<br>fF | C2<br>fF | $\alpha$<br>$\text{V}^{-1}$ | T1<br>$\text{ms.V}^{-2}$ | T2<br>$\text{ms.V}^{-1}$ | T3<br>ms | T4<br>$\text{V}^{-2}$ | T5<br>$\text{V}^{-1}$ | T6    |
|---|----------|----------|-----------------------------|--------------------------|--------------------------|----------|-----------------------|-----------------------|-------|
| X | 42.59    | 309.7    | 34.17                       | 18.79                    | 0.314                    | 5.099    | 0.610                 | 0.364                 | 1.003 |
| Y | 37.98    | 282.6    | 35.37                       | 16.16                    | 0.628                    | 5.077    | 0.521                 | 0.401                 | 1.005 |
| Z | 42.19    | 308.3    | 34.31                       | 21.95                    | 0.506                    | 5.100    | 1.499                 | 0.287                 | 1.006 |

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

<sup>A</sup> The uncertainties of Norm X,Y,Z do not affect the  $E^2$ -field uncertainty inside TSL (see Pages 5 and 6).

<sup>B</sup> Numerical linearization parameter: uncertainty not required.

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



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## DASY/EASY - Parameters of Probe: EX3DV4 - SN:3930

### Calibration Parameter Determined in Head Tissue Simulating Media

| f (MHz) <sup>C</sup> | Relative Permittivity <sup>F</sup> | Conductivity (S/m) <sup>F</sup> | ConvF X | ConvF Y | ConvF Z | Alpha <sup>G</sup> | Depth <sup>G</sup> (mm) | Unc (k=2) |
|----------------------|------------------------------------|---------------------------------|---------|---------|---------|--------------------|-------------------------|-----------|
| 2450                 | 39.2                               | 1.80                            | 7.87    | 7.87    | 7.87    | 0.37               | 0.90                    | ± 12.0 %  |
| 2600                 | 39.0                               | 1.96                            | 7.73    | 7.73    | 7.73    | 0.38               | 0.92                    | ± 12.0 %  |
| 5200                 | 36.0                               | 4.66                            | 5.46    | 5.46    | 5.46    | 0.35               | 1.80                    | ± 13.1 %  |
| 5300                 | 35.9                               | 4.76                            | 5.24    | 5.24    | 5.24    | 0.35               | 1.80                    | ± 13.1 %  |
| 5500                 | 35.6                               | 4.96                            | 4.97    | 4.97    | 4.97    | 0.40               | 1.80                    | ± 13.1 %  |
| 5600                 | 35.5                               | 5.07                            | 4.86    | 4.86    | 4.86    | 0.40               | 1.80                    | ± 13.1 %  |
| 5800                 | 35.3                               | 5.27                            | 4.83    | 4.83    | 4.83    | 0.40               | 1.80                    | ± 13.1 %  |

<sup>C</sup> Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity can be extended to ± 110 MHz.

<sup>F</sup> At frequencies below 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

<sup>G</sup> Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

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July 26, 2017

## DASY/EASY - Parameters of Probe: EX3DV4 - SN:3930

### Calibration Parameter Determined in Body Tissue Simulating Media

| f (MHz) <sup>c</sup> | Relative Permittivity <sup>f</sup> | Conductivity (S/m) <sup>f</sup> | ConvF X | ConvF Y | ConvF Z | Alpha <sup>g</sup> | Depth <sup>g</sup> (mm) | Unc (k=2) |
|----------------------|------------------------------------|---------------------------------|---------|---------|---------|--------------------|-------------------------|-----------|
| 2450                 | 52.7                               | 1.95                            | 7.90    | 7.90    | 7.90    | 0.35               | 0.95                    | ± 12.0 %  |
| 2600                 | 52.5                               | 2.16                            | 7.60    | 7.60    | 7.60    | 0.35               | 0.95                    | ± 12.0 %  |
| 5200                 | 49.0                               | 5.30                            | 4.87    | 4.87    | 4.87    | 0.40               | 1.90                    | ± 13.1 %  |
| 5300                 | 48.9                               | 5.42                            | 4.70    | 4.70    | 4.70    | 0.40               | 1.90                    | ± 13.1 %  |
| 5500                 | 48.6                               | 5.65                            | 4.41    | 4.41    | 4.41    | 0.40               | 1.90                    | ± 13.1 %  |
| 5600                 | 48.5                               | 5.77                            | 4.22    | 4.22    | 4.22    | 0.45               | 1.90                    | ± 13.1 %  |
| 5800                 | 48.2                               | 6.00                            | 4.33    | 4.33    | 4.33    | 0.45               | 1.90                    | ± 13.1 %  |

<sup>c</sup> Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity can be extended to ± 110 MHz.

<sup>f</sup> At frequencies below 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

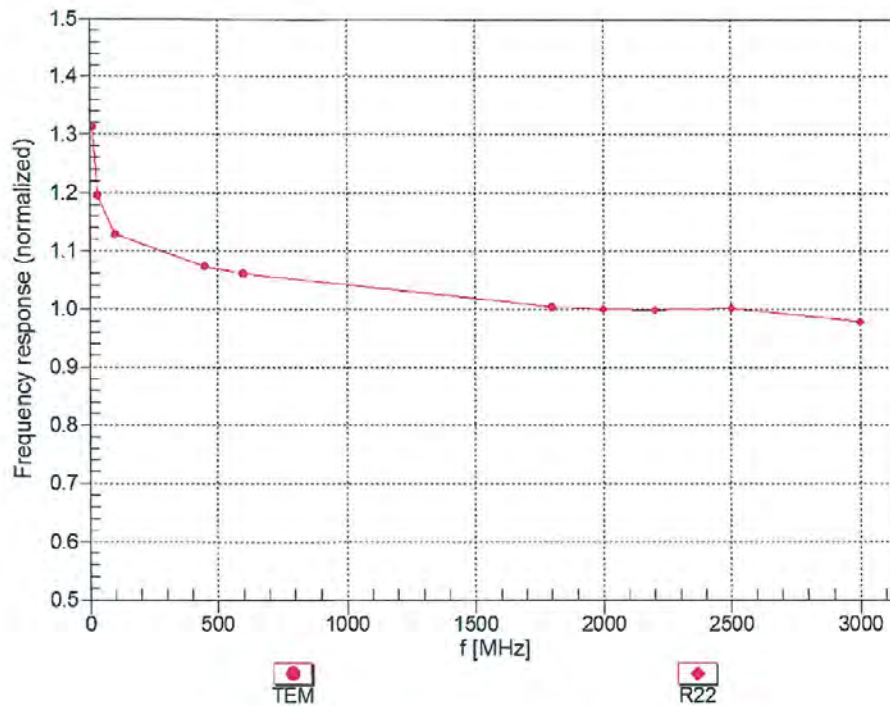
<sup>g</sup> Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.



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## Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



Uncertainty of Frequency Response of E-field:  $\pm 6.3\%$  ( $k=2$ )

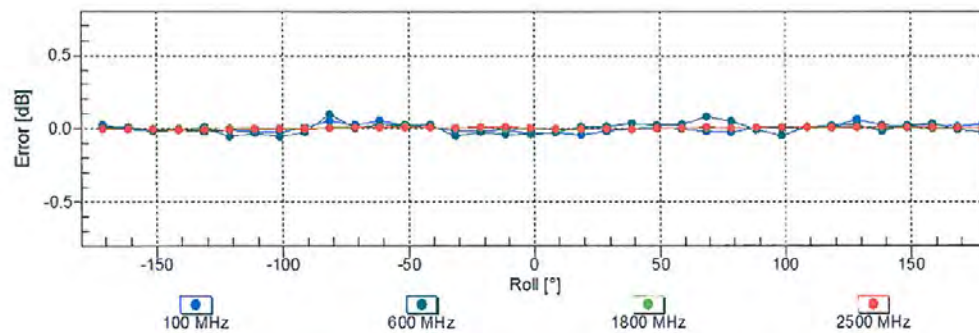
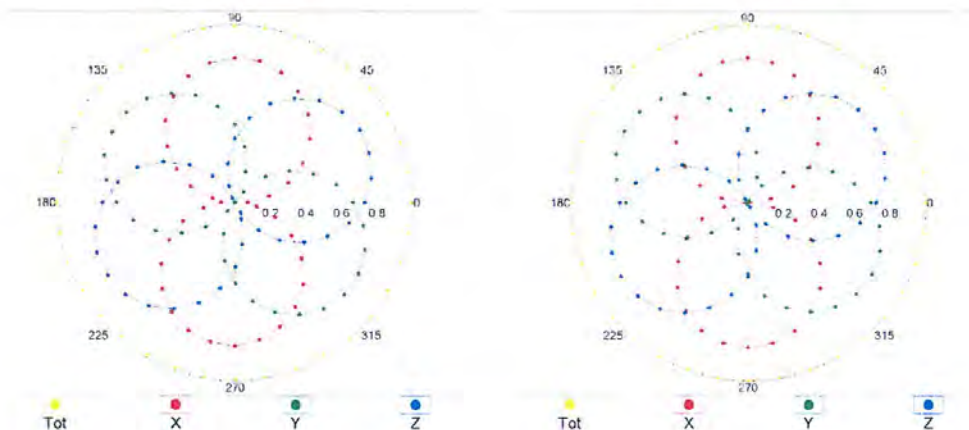
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## Receiving Pattern ( $\phi$ ), $\theta = 0^\circ$

f=600 MHz,TEM

f=1800 MHz,R22



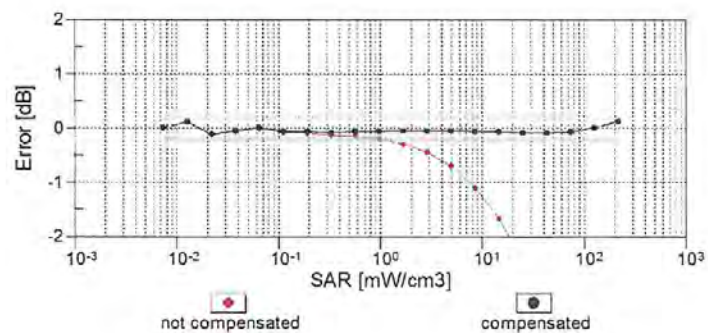
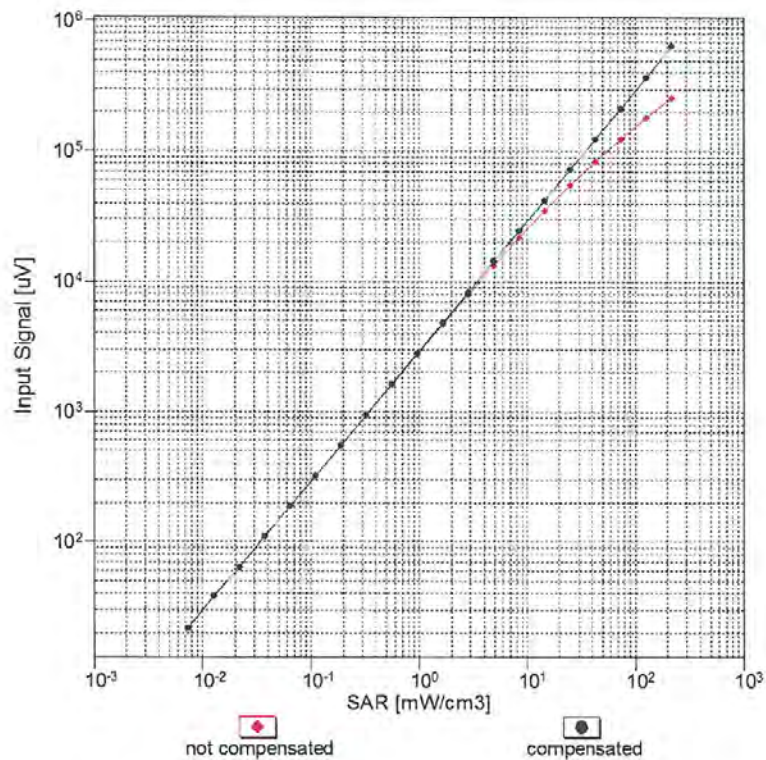
Uncertainty of Axial Isotropy Assessment:  $\pm 0.5\%$  ( $k=2$ )



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## Dynamic Range f(SAR<sub>head</sub>) (TEM cell , f<sub>eval</sub>= 1900 MHz)

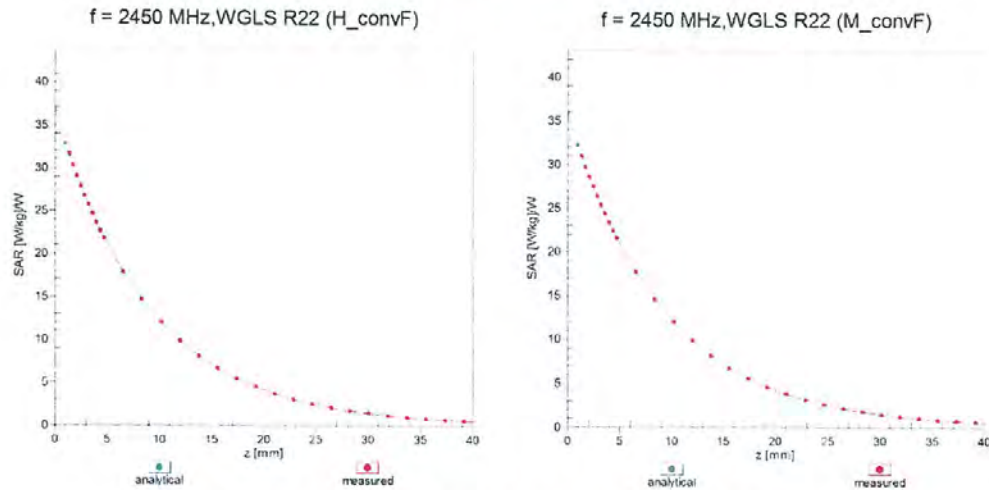


Uncertainty of Linearity Assessment:  $\pm 0.6\%$  (k=2)

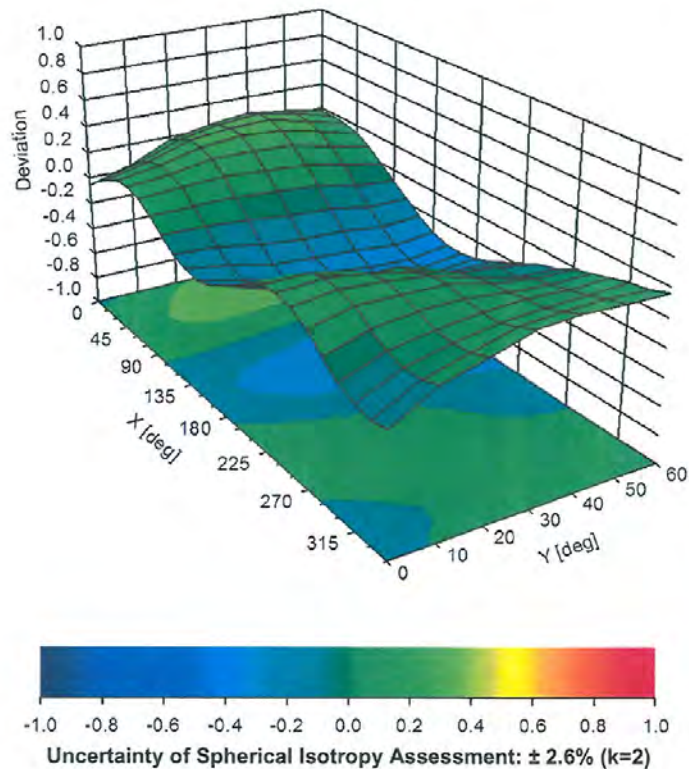
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## Conversion Factor Assessment



## Deviation from Isotropy in Liquid Error ( $\phi$ , $\theta$ ), f = 900 MHz





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## DASY/EASY - Parameters of Probe: EX3DV4 - SN:3930

### Other Probe Parameters

|                                               |            |
|-----------------------------------------------|------------|
| Sensor Arrangement                            | Triangular |
| Connector Angle (°)                           | 118.7      |
| Mechanical Surface Detection Mode             | enabled    |
| Optical Surface Detection Mode                | disabled   |
| Probe Overall Length                          | 337 mm     |
| Probe Body Diameter                           | 10 mm      |
| Tip Length                                    | 9 mm       |
| Tip Diameter                                  | 2.5 mm     |
| Probe Tip to Sensor X Calibration Point       | 1 mm       |
| Probe Tip to Sensor Y Calibration Point       | 1 mm       |
| Probe Tip to Sensor Z Calibration Point       | 1 mm       |
| Recommended Measurement Distance from Surface | 1.4 mm     |

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### Appendix: Modulation Calibration Parameters

| UID           | Communication System Name                     |   | A<br>dB | B<br>dB $\sqrt{\mu V}$ | C     | D<br>dB | VR<br>mV | Max<br>Unc <sup>E</sup><br>(k=2) |
|---------------|-----------------------------------------------|---|---------|------------------------|-------|---------|----------|----------------------------------|
| 0             | CW                                            | X | 0.00    | 0.00                   | 1.00  | 0.00    | 156.8    | $\pm 3.3\%$                      |
|               |                                               | Y | 0.00    | 0.00                   | 1.00  |         | 166.7    |                                  |
|               |                                               | Z | 0.00    | 0.00                   | 1.00  |         | 161.8    |                                  |
| 10010-<br>CAA | SAR Validation (Square, 100ms, 10ms)          | X | 33.98   | 95.02                  | 20.39 | 10.00   | 20.0     | $\pm 9.6\%$                      |
|               |                                               | Y | 12.31   | 85.76                  | 18.73 |         | 20.0     |                                  |
|               |                                               | Z | 36.97   | 97.49                  | 21.78 |         | 20.0     |                                  |
| 10011-<br>CAB | UMTS-FDD (WCDMA)                              | X | 1.32    | 72.73                  | 18.36 | 0.00    | 150.0    | $\pm 9.6\%$                      |
|               |                                               | Y | 0.95    | 66.04                  | 14.44 |         | 150.0    |                                  |
|               |                                               | Z | 1.05    | 67.88                  | 15.60 |         | 150.0    |                                  |
| 10012-<br>CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)      | X | 1.27    | 66.02                  | 16.87 | 0.41    | 150.0    | $\pm 9.6\%$                      |
|               |                                               | Y | 1.19    | 63.75                  | 15.02 |         | 150.0    |                                  |
|               |                                               | Z | 1.24    | 64.77                  | 15.76 |         | 150.0    |                                  |
| 10013-<br>CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps) | X | 4.89    | 67.27                  | 17.48 | 1.46    | 150.0    | $\pm 9.6\%$                      |
|               |                                               | Y | 4.81    | 66.88                  | 17.12 |         | 150.0    |                                  |
|               |                                               | Z | 4.88    | 67.08                  | 17.28 |         | 150.0    |                                  |
| 10021-<br>DAC | GSM-FDD (TDMA, GMSK)                          | X | 100.00  | 118.50                 | 29.46 | 9.39    | 50.0     | $\pm 9.6\%$                      |
|               |                                               | Y | 100.00  | 120.04                 | 30.47 |         | 50.0     |                                  |
|               |                                               | Z | 100.00  | 119.12                 | 30.12 |         | 50.0     |                                  |
| 10023-<br>DAC | GPRS-FDD (TDMA, GMSK, TN 0)                   | X | 100.00  | 117.91                 | 29.22 | 9.57    | 50.0     | $\pm 9.6\%$                      |
|               |                                               | Y | 100.00  | 119.43                 | 30.24 |         | 50.0     |                                  |
|               |                                               | Z | 100.00  | 118.72                 | 29.96 |         | 50.0     |                                  |
| 10024-<br>DAC | GPRS-FDD (TDMA, GMSK, TN 0-1)                 | X | 100.00  | 118.87                 | 28.78 | 6.56    | 60.0     | $\pm 9.6\%$                      |
|               |                                               | Y | 100.00  | 119.40                 | 29.15 |         | 60.0     |                                  |
|               |                                               | Z | 100.00  | 117.69                 | 28.60 |         | 60.0     |                                  |
| 10025-<br>DAC | EDGE-FDD (TDMA, 8PSK, TN 0)                   | X | 6.09    | 83.18                  | 33.46 | 12.57   | 50.0     | $\pm 9.6\%$                      |
|               |                                               | Y | 4.16    | 69.03                  | 25.44 |         | 50.0     |                                  |
|               |                                               | Z | 7.41    | 87.92                  | 35.28 |         | 50.0     |                                  |
| 10026-<br>DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1)                 | X | 16.43   | 108.30                 | 39.06 | 9.56    | 60.0     | $\pm 9.6\%$                      |
|               |                                               | Y | 8.80    | 90.83                  | 32.45 |         | 60.0     |                                  |
|               |                                               | Z | 17.86   | 108.64                 | 38.77 |         | 60.0     |                                  |
| 10027-<br>DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2)               | X | 100.00  | 121.78                 | 29.37 | 4.80    | 80.0     | $\pm 9.6\%$                      |
|               |                                               | Y | 100.00  | 120.90                 | 29.04 |         | 80.0     |                                  |
|               |                                               | Z | 100.00  | 118.68                 | 28.36 |         | 80.0     |                                  |
| 10028-<br>DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)             | X | 100.00  | 126.85                 | 30.88 | 3.55    | 100.0    | $\pm 9.6\%$                      |
|               |                                               | Y | 100.00  | 123.74                 | 29.56 |         | 100.0    |                                  |
|               |                                               | Z | 100.00  | 121.16                 | 28.77 |         | 100.0    |                                  |
| 10029-<br>DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2)               | X | 8.49    | 91.15                  | 31.68 | 7.80    | 80.0     | $\pm 9.6\%$                      |
|               |                                               | Y | 5.92    | 81.55                  | 27.56 |         | 80.0     |                                  |
|               |                                               | Z | 9.27    | 91.80                  | 31.56 |         | 80.0     |                                  |
| 10030-<br>CAA | IEEE 802.15.1 Bluetooth (GFSK, DH1)           | X | 100.00  | 118.04                 | 27.99 | 5.30    | 70.0     | $\pm 9.6\%$                      |
|               |                                               | Y | 100.00  | 117.70                 | 27.90 |         | 70.0     |                                  |
|               |                                               | Z | 100.00  | 116.25                 | 27.53 |         | 70.0     |                                  |
| 10031-<br>CAA | IEEE 802.15.1 Bluetooth (GFSK, DH3)           | X | 100.00  | 135.43                 | 32.90 | 1.88    | 100.0    | $\pm 9.6\%$                      |
|               |                                               | Y | 100.00  | 124.47                 | 28.40 |         | 100.0    |                                  |
|               |                                               | Z | 100.00  | 123.75                 | 28.45 |         | 100.0    |                                  |



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|           |                                                     |   |        |        |       |       |       |         |
|-----------|-----------------------------------------------------|---|--------|--------|-------|-------|-------|---------|
| 10032-CAA | IEEE 802.15.1 Bluetooth (GFSK, DH5)                 | X | 100.00 | 158.27 | 40.81 | 1.17  | 100.0 | ± 9.6 % |
|           |                                                     | Y | 100.00 | 132.40 | 30.62 |       | 100.0 |         |
|           |                                                     | Z | 100.00 | 133.39 | 31.35 |       | 100.0 |         |
| 10033-CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)           | X | 100.00 | 130.12 | 35.27 | 5.30  | 70.0  | ± 9.6 % |
|           |                                                     | Y | 47.92  | 115.56 | 31.04 |       | 70.0  |         |
|           |                                                     | Z | 100.00 | 127.31 | 34.17 |       | 70.0  |         |
| 10034-CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)           | X | 100.00 | 127.72 | 32.57 | 1.88  | 100.0 | ± 9.6 % |
|           |                                                     | Y | 5.40   | 84.00  | 20.03 |       | 100.0 |         |
|           |                                                     | Z | 26.50  | 106.08 | 26.87 |       | 100.0 |         |
| 10035-CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)           | X | 98.14  | 127.45 | 32.05 | 1.17  | 100.0 | ± 9.6 % |
|           |                                                     | Y | 2.68   | 75.86  | 16.83 |       | 100.0 |         |
|           |                                                     | Z | 6.47   | 87.81  | 21.42 |       | 100.0 |         |
| 10036-CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH1)               | X | 100.00 | 130.64 | 35.51 | 5.30  | 70.0  | ± 9.6 % |
|           |                                                     | Y | 100.00 | 127.36 | 33.94 |       | 70.0  |         |
|           |                                                     | Z | 100.00 | 127.74 | 34.37 |       | 70.0  |         |
| 10037-CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH3)               | X | 100.00 | 127.73 | 32.53 | 1.88  | 100.0 | ± 9.6 % |
|           |                                                     | Y | 4.58   | 81.94  | 19.33 |       | 100.0 |         |
|           |                                                     | Z | 19.79  | 102.15 | 25.82 |       | 100.0 |         |
| 10038-CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH5)               | X | 100.00 | 128.63 | 32.52 | 1.17  | 100.0 | ± 9.6 % |
|           |                                                     | Y | 2.70   | 76.24  | 17.10 |       | 100.0 |         |
|           |                                                     | Z | 6.68   | 88.65  | 21.82 |       | 100.0 |         |
| 10039-CAB | CDMA2000 (1xRTT, RC1)                               | X | 6.20   | 89.91  | 22.06 | 0.00  | 150.0 | ± 9.6 % |
|           |                                                     | Y | 1.39   | 69.12  | 13.61 |       | 150.0 |         |
|           |                                                     | Z | 1.97   | 73.64  | 16.08 |       | 150.0 |         |
| 10042-CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) | X | 100.00 | 114.51 | 26.96 | 7.78  | 50.0  | ± 9.6 % |
|           |                                                     | Y | 100.00 | 115.91 | 27.79 |       | 50.0  |         |
|           |                                                     | Z | 100.00 | 114.70 | 27.39 |       | 50.0  |         |
| 10044-CAA | IS-91/EIA/TIA-553 FDD (FDMA, FM)                    | X | 0.00   | 104.05 | 0.58  | 0.00  | 150.0 | ± 9.6 % |
|           |                                                     | Y | 0.01   | 90.05  | 0.67  |       | 150.0 |         |
|           |                                                     | Z | 0.00   | 93.86  | 0.01  |       | 150.0 |         |
| 10048-CAA | DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)           | X | 100.00 | 118.84 | 30.69 | 13.80 | 25.0  | ± 9.6 % |
|           |                                                     | Y | 100.00 | 118.92 | 31.37 |       | 25.0  |         |
|           |                                                     | Z | 100.00 | 121.71 | 32.37 |       | 25.0  |         |
| 10049-CAA | DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)         | X | 100.00 | 116.35 | 28.73 | 10.79 | 40.0  | ± 9.6 % |
|           |                                                     | Y | 100.00 | 118.18 | 29.97 |       | 40.0  |         |
|           |                                                     | Z | 100.00 | 118.06 | 29.88 |       | 40.0  |         |
| 10056-CAA | UMTS-TDD (TD-SCDMA, 1.28 Mcps)                      | X | 100.00 | 126.32 | 34.62 | 9.03  | 50.0  | ± 9.6 % |
|           |                                                     | Y | 100.00 | 125.02 | 34.10 |       | 50.0  |         |
|           |                                                     | Z | 100.00 | 125.44 | 34.44 |       | 50.0  |         |
| 10058-DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)                   | X | 6.05   | 83.52  | 27.88 | 6.55  | 100.0 | ± 9.6 % |
|           |                                                     | Y | 4.69   | 76.91  | 24.81 |       | 100.0 |         |
|           |                                                     | Z | 6.52   | 83.98  | 27.72 |       | 100.0 |         |
| 10059-CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)            | X | 1.39   | 68.10  | 18.00 | 0.61  | 110.0 | ± 9.6 % |
|           |                                                     | Y | 1.25   | 64.97  | 15.72 |       | 110.0 |         |
|           |                                                     | Z | 1.34   | 66.55  | 16.72 |       | 110.0 |         |
| 10060-CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)          | X | 100.00 | 145.37 | 39.14 | 1.30  | 110.0 | ± 9.6 % |
|           |                                                     | Y | 14.08  | 108.54 | 29.23 |       | 110.0 |         |
|           |                                                     | Z | 100.00 | 138.14 | 36.18 |       | 110.0 |         |

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|-----------|------------------------------------------------|---|-------|--------|-------|------|-------|---------|
| 10061-CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)      | X | 25.81 | 121.10 | 35.51 | 2.04 | 110.0 | ± 9.6 % |
|           |                                                | Y | 3.44  | 82.74  | 23.20 |      | 110.0 |         |
|           |                                                | Z | 9.74  | 100.38 | 29.02 |      | 110.0 |         |
| 10062-CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)       | X | 4.68  | 67.22  | 16.86 | 0.49 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.58  | 66.75  | 16.46 |      | 100.0 |         |
|           |                                                | Z | 4.65  | 66.95  | 16.61 |      | 100.0 |         |
| 10063-CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)       | X | 4.70  | 67.34  | 16.99 | 0.72 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.60  | 66.87  | 16.58 |      | 100.0 |         |
|           |                                                | Z | 4.68  | 67.08  | 16.74 |      | 100.0 |         |
| 10064-CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)      | X | 4.97  | 67.56  | 17.19 | 0.86 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.86  | 67.09  | 16.80 |      | 100.0 |         |
|           |                                                | Z | 4.95  | 67.31  | 16.96 |      | 100.0 |         |
| 10065-CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)      | X | 4.85  | 67.50  | 17.34 | 1.21 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.74  | 67.00  | 16.91 |      | 100.0 |         |
|           |                                                | Z | 4.84  | 67.27  | 17.11 |      | 100.0 |         |
| 10066-CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)      | X | 4.87  | 67.54  | 17.52 | 1.46 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.77  | 67.05  | 17.10 |      | 100.0 |         |
|           |                                                | Z | 4.87  | 67.32  | 17.30 |      | 100.0 |         |
| 10067-CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)      | X | 5.17  | 67.72  | 17.97 | 2.04 | 100.0 | ± 9.6 % |
|           |                                                | Y | 5.07  | 67.34  | 17.60 |      | 100.0 |         |
|           |                                                | Z | 5.17  | 67.57  | 17.79 |      | 100.0 |         |
| 10068-CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)      | X | 5.21  | 67.74  | 18.19 | 2.55 | 100.0 | ± 9.6 % |
|           |                                                | Y | 5.11  | 67.31  | 17.81 |      | 100.0 |         |
|           |                                                | Z | 5.22  | 67.61  | 18.02 |      | 100.0 |         |
| 10069-CAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)      | X | 5.29  | 67.72  | 18.37 | 2.67 | 100.0 | ± 9.6 % |
|           |                                                | Y | 5.19  | 67.34  | 17.99 |      | 100.0 |         |
|           |                                                | Z | 5.30  | 67.62  | 18.21 |      | 100.0 |         |
| 10071-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)  | X | 4.99  | 67.37  | 17.81 | 1.99 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.82  | 67.00  | 17.45 |      | 100.0 |         |
|           |                                                | Z | 5.00  | 67.22  | 17.62 |      | 100.0 |         |
| 10072-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps) | X | 4.98  | 67.76  | 18.08 | 2.30 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.90  | 67.32  | 17.68 |      | 100.0 |         |
|           |                                                | Z | 4.99  | 67.61  | 17.89 |      | 100.0 |         |
| 10073-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps) | X | 5.06  | 67.98  | 18.45 | 2.83 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.98  | 67.55  | 18.06 |      | 100.0 |         |
|           |                                                | Z | 5.08  | 67.86  | 18.29 |      | 100.0 |         |
| 10074-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps) | X | 5.05  | 67.92  | 18.63 | 3.30 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.99  | 67.53  | 18.25 |      | 100.0 |         |
|           |                                                | Z | 5.09  | 67.84  | 18.48 |      | 100.0 |         |
| 10075-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps) | X | 5.09  | 68.03  | 18.96 | 3.82 | 90.0  | ± 9.6 % |
|           |                                                | Y | 5.03  | 67.61  | 18.55 |      | 90.0  |         |
|           |                                                | Z | 5.14  | 68.00  | 18.83 |      | 90.0  |         |
| 10076-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps) | X | 5.11  | 67.82  | 19.08 | 4.15 | 90.0  | ± 9.6 % |
|           |                                                | Y | 5.07  | 67.47  | 18.71 |      | 90.0  |         |
|           |                                                | Z | 5.17  | 67.83  | 18.99 |      | 90.0  |         |
| 10077-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps) | X | 5.14  | 67.90  | 19.19 | 4.30 | 90.0  | ± 9.6 % |
|           |                                                | Y | 5.10  | 67.57  | 18.83 |      | 90.0  |         |
|           |                                                | Z | 5.20  | 67.92  | 19.09 |      | 90.0  |         |

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|           |                                                     |   |        |        |       |      |       |         |
|-----------|-----------------------------------------------------|---|--------|--------|-------|------|-------|---------|
| 10081-CAB | CDMA2000 (1xRTT, RC3)                               | X | 1.47   | 74.80  | 16.59 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 0.71   | 64.40  | 10.98 |      | 150.0 |         |
|           |                                                     | Z | 0.85   | 66.68  | 12.68 |      | 150.0 |         |
| 10082-CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate) | X | 0.84   | 60.00  | 4.97  | 4.77 | 80.0  | ± 9.6 % |
|           |                                                     | Y | 0.83   | 60.00  | 5.19  |      | 80.0  |         |
|           |                                                     | Z | 0.96   | 60.05  | 5.34  |      | 80.0  |         |
| 10090-DAC | GPRS-FDD (TDMA, GMSK, TN 0-4)                       | X | 100.00 | 118.89 | 28.81 | 6.56 | 60.0  | ± 9.6 % |
|           |                                                     | Y | 100.00 | 119.41 | 29.18 |      | 60.0  |         |
|           |                                                     | Z | 100.00 | 117.72 | 28.64 |      | 60.0  |         |
| 10097-CAB | UMTS-FDD (HSDPA)                                    | X | 2.10   | 70.90  | 17.44 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 1.77   | 67.39  | 15.22 |      | 150.0 |         |
|           |                                                     | Z | 1.86   | 68.35  | 15.93 |      | 150.0 |         |
| 10098-CAB | UMTS-FDD (HSUPA, Subtest 2)                         | X | 2.06   | 70.89  | 17.44 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 1.73   | 67.32  | 15.18 |      | 150.0 |         |
|           |                                                     | Z | 1.82   | 68.30  | 15.90 |      | 150.0 |         |
| 10099-DAC | EDGE-FDD (TDMA, 8PSK, TN 0-4)                       | X | 16.64  | 108.59 | 39.15 | 9.56 | 60.0  | ± 9.6 % |
|           |                                                     | Y | 8.86   | 90.97  | 32.50 |      | 60.0  |         |
|           |                                                     | Z | 18.05  | 108.86 | 38.84 |      | 60.0  |         |
| 10100-CAC | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)            | X | 3.43   | 72.59  | 17.97 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 2.93   | 69.49  | 16.35 |      | 150.0 |         |
|           |                                                     | Z | 3.12   | 70.62  | 16.88 |      | 150.0 |         |
| 10101-CAC | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)          | X | 3.32   | 68.53  | 16.59 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 3.12   | 67.11  | 15.68 |      | 150.0 |         |
|           |                                                     | Z | 3.21   | 67.66  | 15.99 |      | 150.0 |         |
| 10102-CAC | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)          | X | 3.41   | 68.45  | 16.65 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 3.23   | 67.14  | 15.80 |      | 150.0 |         |
|           |                                                     | Z | 3.31   | 67.64  | 16.08 |      | 150.0 |         |
| 10103-CAC | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)            | X | 8.48   | 81.63  | 23.12 | 3.98 | 65.0  | ± 9.6 % |
|           |                                                     | Y | 6.79   | 77.32  | 21.30 |      | 65.0  |         |
|           |                                                     | Z | 8.35   | 80.51  | 22.48 |      | 65.0  |         |
| 10104-CAC | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)          | X | 7.32   | 77.12  | 22.10 | 3.98 | 65.0  | ± 9.6 % |
|           |                                                     | Y | 6.47   | 74.49  | 20.81 |      | 65.0  |         |
|           |                                                     | Z | 7.50   | 76.91  | 21.82 |      | 65.0  |         |
| 10105-CAC | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)          | X | 6.60   | 74.99  | 21.49 | 3.98 | 65.0  | ± 9.6 % |
|           |                                                     | Y | 6.13   | 73.28  | 20.58 |      | 65.0  |         |
|           |                                                     | Z | 6.95   | 75.36  | 21.46 |      | 65.0  |         |
| 10108-CAD | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)            | X | 2.97   | 71.84  | 17.84 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 2.54   | 68.77  | 16.15 |      | 150.0 |         |
|           |                                                     | Z | 2.71   | 69.84  | 16.70 |      | 150.0 |         |
| 10109-CAD | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)          | X | 2.98   | 68.61  | 16.61 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 2.76   | 66.99  | 15.53 |      | 150.0 |         |
|           |                                                     | Z | 2.86   | 67.57  | 15.90 |      | 150.0 |         |
| 10110-CAD | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)             | X | 2.44   | 71.26  | 17.61 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 2.04   | 67.88  | 15.62 |      | 150.0 |         |
|           |                                                     | Z | 2.19   | 69.00  | 16.29 |      | 150.0 |         |
| 10111-CAD | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)           | X | 2.81   | 70.37  | 17.31 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 2.49   | 68.01  | 15.76 |      | 150.0 |         |
|           |                                                     | Z | 2.61   | 68.69  | 16.27 |      | 150.0 |         |

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|           |                                                |   |      |       |       |      |       |         |
|-----------|------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10112-CAD | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)     | X | 3.10 | 68.56 | 16.63 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 2.89 | 67.08 | 15.63 |      | 150.0 |         |
|           |                                                | Z | 2.99 | 67.59 | 15.96 |      | 150.0 |         |
| 10113-CAD | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)      | X | 2.96 | 70.43 | 17.38 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 2.64 | 68.23 | 15.92 |      | 150.0 |         |
|           |                                                | Z | 2.76 | 68.84 | 16.40 |      | 150.0 |         |
| 10114-CAB | IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)  | X | 5.10 | 67.56 | 16.67 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 5.00 | 67.06 | 16.33 |      | 150.0 |         |
|           |                                                | Z | 5.06 | 67.28 | 16.42 |      | 150.0 |         |
| 10115-CAB | IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)  | X | 5.35 | 67.59 | 16.69 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 5.25 | 67.14 | 16.38 |      | 150.0 |         |
|           |                                                | Z | 5.32 | 67.33 | 16.46 |      | 150.0 |         |
| 10116-CAB | IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM) | X | 5.19 | 67.74 | 16.69 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 5.09 | 67.25 | 16.36 |      | 150.0 |         |
|           |                                                | Z | 5.15 | 67.45 | 16.44 |      | 150.0 |         |
| 10117-CAB | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)       | X | 5.07 | 67.43 | 16.63 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 4.99 | 67.01 | 16.32 |      | 150.0 |         |
|           |                                                | Z | 5.03 | 67.16 | 16.38 |      | 150.0 |         |
| 10118-CAB | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)       | X | 5.43 | 67.76 | 16.78 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 5.32 | 67.31 | 16.47 |      | 150.0 |         |
|           |                                                | Z | 5.39 | 67.50 | 16.55 |      | 150.0 |         |
| 10119-CAB | IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)      | X | 5.17 | 67.69 | 16.68 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 5.08 | 67.23 | 16.36 |      | 150.0 |         |
|           |                                                | Z | 5.13 | 67.40 | 16.43 |      | 150.0 |         |
| 10140-CAC | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)     | X | 3.45 | 68.45 | 16.56 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 3.25 | 67.15 | 15.72 |      | 150.0 |         |
|           |                                                | Z | 3.34 | 67.65 | 16.00 |      | 150.0 |         |
| 10141-CAC | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)     | X | 3.57 | 68.54 | 16.72 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 3.38 | 67.32 | 15.92 |      | 150.0 |         |
|           |                                                | Z | 3.47 | 67.77 | 16.17 |      | 150.0 |         |
| 10142-CAD | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)        | X | 2.30 | 72.11 | 17.60 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 1.80 | 67.79 | 15.04 |      | 150.0 |         |
|           |                                                | Z | 1.97 | 69.14 | 15.94 |      | 150.0 |         |
| 10143-CAD | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)      | X | 2.87 | 72.31 | 17.44 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 2.30 | 68.51 | 15.11 |      | 150.0 |         |
|           |                                                | Z | 2.49 | 69.65 | 15.97 |      | 150.0 |         |
| 10144-CAD | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)      | X | 2.38 | 68.49 | 15.12 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 2.02 | 65.87 | 13.27 |      | 150.0 |         |
|           |                                                | Z | 2.19 | 66.86 | 14.10 |      | 150.0 |         |
| 10145-CAD | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)      | X | 1.44 | 68.19 | 13.11 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 0.93 | 62.67 | 9.45  |      | 150.0 |         |
|           |                                                | Z | 1.13 | 64.81 | 11.22 |      | 150.0 |         |
| 10146-CAD | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)    | X | 1.65 | 65.01 | 10.48 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 1.27 | 62.22 | 8.43  |      | 150.0 |         |
|           |                                                | Z | 1.79 | 65.38 | 10.60 |      | 150.0 |         |
| 10147-CAD | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)    | X | 1.96 | 66.95 | 11.55 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 1.37 | 62.92 | 8.91  |      | 150.0 |         |
|           |                                                | Z | 2.12 | 67.23 | 11.60 |      | 150.0 |         |



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|           |                                            |   |       |       |       |      |       |         |
|-----------|--------------------------------------------|---|-------|-------|-------|------|-------|---------|
| 10149-CAC | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)  | X | 2.99  | 68.69 | 16.66 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.77  | 67.06 | 15.58 |      | 150.0 |         |
|           |                                            | Z | 2.87  | 67.64 | 15.95 |      | 150.0 |         |
| 10150-CAC | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)  | X | 3.11  | 68.63 | 16.68 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.90  | 67.14 | 15.67 |      | 150.0 |         |
|           |                                            | Z | 2.99  | 67.65 | 16.00 |      | 150.0 |         |
| 10151-CAC | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)    | X | 10.17 | 86.64 | 25.07 | 3.98 | 65.0  | ± 9.6 % |
|           |                                            | Y | 7.45  | 80.64 | 22.65 |      | 65.0  |         |
|           |                                            | Z | 9.66  | 84.69 | 24.12 |      | 65.0  |         |
| 10152-CAC | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)  | X | 6.99  | 77.66 | 22.02 | 3.98 | 65.0  | ± 9.6 % |
|           |                                            | Y | 6.03  | 74.58 | 20.48 |      | 65.0  |         |
|           |                                            | Z | 7.14  | 77.28 | 21.65 |      | 65.0  |         |
| 10153-CAC | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)  | X | 7.50  | 78.88 | 22.89 | 3.98 | 65.0  | ± 9.6 % |
|           |                                            | Y | 6.49  | 75.82 | 21.38 |      | 65.0  |         |
|           |                                            | Z | 7.64  | 78.46 | 22.50 |      | 65.0  |         |
| 10154-CAD | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)    | X | 2.51  | 71.85 | 17.95 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.08  | 68.26 | 15.86 |      | 150.0 |         |
|           |                                            | Z | 2.24  | 69.43 | 16.55 |      | 150.0 |         |
| 10155-CAD | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)  | X | 2.82  | 70.39 | 17.33 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.49  | 68.04 | 15.78 |      | 150.0 |         |
|           |                                            | Z | 2.61  | 68.71 | 16.29 |      | 150.0 |         |
| 10156-CAD | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)     | X | 2.23  | 73.00 | 17.70 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 1.62  | 67.61 | 14.59 |      | 150.0 |         |
|           |                                            | Z | 1.83  | 69.27 | 15.71 |      | 150.0 |         |
| 10157-CAD | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)   | X | 2.33  | 69.89 | 15.51 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 1.83  | 66.15 | 13.07 |      | 150.0 |         |
|           |                                            | Z | 2.04  | 67.51 | 14.15 |      | 150.0 |         |
| 10158-CAD | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)  | X | 2.97  | 70.52 | 17.44 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.64  | 68.31 | 15.98 |      | 150.0 |         |
|           |                                            | Z | 2.77  | 68.92 | 16.45 |      | 150.0 |         |
| 10159-CAD | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   | X | 2.49  | 70.59 | 15.88 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 1.92  | 66.54 | 13.31 |      | 150.0 |         |
|           |                                            | Z | 2.15  | 68.02 | 14.44 |      | 150.0 |         |
| 10160-CAC | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)    | X | 2.90  | 70.43 | 17.37 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.59  | 68.16 | 15.99 |      | 150.0 |         |
|           |                                            | Z | 2.70  | 68.88 | 16.41 |      | 150.0 |         |
| 10161-CAC | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)  | X | 3.02  | 68.67 | 16.64 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.79  | 67.10 | 15.56 |      | 150.0 |         |
|           |                                            | Z | 2.89  | 67.63 | 15.93 |      | 150.0 |         |
| 10162-CAC | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)  | X | 3.13  | 68.82 | 16.75 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.90  | 67.31 | 15.71 |      | 150.0 |         |
|           |                                            | Z | 3.00  | 67.80 | 16.05 |      | 150.0 |         |
| 10166-CAD | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)   | X | 3.47  | 69.86 | 19.28 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.31  | 68.79 | 18.69 |      | 150.0 |         |
|           |                                            | Z | 3.64  | 70.40 | 19.47 |      | 150.0 |         |
| 10167-CAD | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | X | 4.28  | 73.01 | 19.82 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.94  | 71.46 | 19.05 |      | 150.0 |         |
|           |                                            | Z | 4.73  | 74.34 | 20.28 |      | 150.0 |         |

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|-----------|--------------------------------------------|---|--------|--------|-------|------|-------|---------|
| 10168-CAD | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | X | 4.88   | 75.83  | 21.41 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 4.44   | 74.13  | 20.63 |      | 150.0 |         |
|           |                                            | Z | 5.44   | 77.36  | 21.91 |      | 150.0 |         |
| 10169-CAC | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)      | X | 2.85   | 69.01  | 18.94 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.74   | 67.56  | 18.10 |      | 150.0 |         |
|           |                                            | Z | 3.13   | 70.29  | 19.43 |      | 150.0 |         |
| 10170-CAC | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)    | X | 4.01   | 75.69  | 21.63 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.58   | 72.93  | 20.34 |      | 150.0 |         |
|           |                                            | Z | 4.93   | 78.73  | 22.65 |      | 150.0 |         |
| 10171-AAC | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)    | X | 3.21   | 70.97  | 18.56 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.96   | 68.95  | 17.54 |      | 150.0 |         |
|           |                                            | Z | 3.78   | 73.14  | 19.33 |      | 150.0 |         |
| 10172-CAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)      | X | 11.64  | 99.70  | 31.90 | 6.02 | 65.0  | ± 9.6 % |
|           |                                            | Y | 6.31   | 86.23  | 27.05 |      | 65.0  |         |
|           |                                            | Z | 19.09  | 108.21 | 34.23 |      | 65.0  |         |
| 10173-CAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)    | X | 81.65  | 130.61 | 37.97 | 6.02 | 65.0  | ± 9.6 % |
|           |                                            | Y | 14.18  | 98.21  | 29.17 |      | 65.0  |         |
|           |                                            | Z | 100.00 | 132.05 | 37.94 |      | 65.0  |         |
| 10174-CAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)    | X | 35.41  | 113.54 | 33.00 | 6.02 | 65.0  | ± 9.6 % |
|           |                                            | Y | 10.88  | 92.45  | 26.81 |      | 65.0  |         |
|           |                                            | Z | 73.87  | 124.65 | 35.53 |      | 65.0  |         |
| 10175-CAD | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)      | X | 2.82   | 68.68  | 18.68 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.71   | 67.27  | 17.86 |      | 150.0 |         |
|           |                                            | Z | 3.09   | 69.93  | 19.16 |      | 150.0 |         |
| 10176-CAD | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)    | X | 4.02   | 75.71  | 21.64 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.59   | 72.95  | 20.35 |      | 150.0 |         |
|           |                                            | Z | 4.94   | 78.76  | 22.66 |      | 150.0 |         |
| 10177-CAF | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)       | X | 2.84   | 68.84  | 18.77 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.72   | 67.40  | 17.94 |      | 150.0 |         |
|           |                                            | Z | 3.12   | 70.10  | 19.25 |      | 150.0 |         |
| 10178-CAD | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)     | X | 3.98   | 75.49  | 21.52 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.56   | 72.79  | 20.26 |      | 150.0 |         |
|           |                                            | Z | 4.88   | 78.50  | 22.53 |      | 150.0 |         |
| 10179-CAD | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)    | X | 3.57   | 73.19  | 19.96 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.23   | 70.79  | 18.80 |      | 150.0 |         |
|           |                                            | Z | 4.29   | 75.74  | 20.83 |      | 150.0 |         |
| 10180-CAD | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)     | X | 3.20   | 70.90  | 18.51 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.95   | 68.90  | 17.50 |      | 150.0 |         |
|           |                                            | Z | 3.76   | 73.06  | 19.28 |      | 150.0 |         |
| 10181-CAC | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)      | X | 2.84   | 68.82  | 18.77 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.72   | 67.38  | 17.94 |      | 150.0 |         |
|           |                                            | Z | 3.11   | 70.08  | 19.25 |      | 150.0 |         |
| 10182-CAC | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)    | X | 3.97   | 75.46  | 21.51 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.55   | 72.76  | 20.24 |      | 150.0 |         |
|           |                                            | Z | 4.87   | 78.47  | 22.52 |      | 150.0 |         |
| 10183-AAB | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)    | X | 3.19   | 70.87  | 18.50 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.95   | 68.88  | 17.49 |      | 150.0 |         |
|           |                                            | Z | 3.76   | 73.04  | 19.27 |      | 150.0 |         |



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|           |                                               |   |      |       |       |      |       |         |
|-----------|-----------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10184-CAD | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)          | X | 2.85 | 68.86 | 18.79 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 2.73 | 67.42 | 17.96 |      | 150.0 |         |
|           |                                               | Z | 3.12 | 70.12 | 19.27 |      | 150.0 |         |
| 10185-CAD | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)        | X | 3.99 | 75.54 | 21.55 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 3.57 | 72.83 | 20.28 |      | 150.0 |         |
|           |                                               | Z | 4.90 | 78.56 | 22.56 |      | 150.0 |         |
| 10186-AAD | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)        | X | 3.21 | 70.94 | 18.54 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 2.96 | 68.94 | 17.52 |      | 150.0 |         |
|           |                                               | Z | 3.78 | 73.11 | 19.31 |      | 150.0 |         |
| 10187-CAD | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)        | X | 2.86 | 68.93 | 18.86 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 2.74 | 67.49 | 18.03 |      | 150.0 |         |
|           |                                               | Z | 3.13 | 70.20 | 19.34 |      | 150.0 |         |
| 10188-CAD | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)      | X | 4.13 | 76.28 | 21.96 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 3.67 | 73.44 | 20.65 |      | 150.0 |         |
|           |                                               | Z | 5.10 | 79.43 | 23.01 |      | 150.0 |         |
| 10189-AAD | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)      | X | 3.29 | 71.41 | 18.84 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 3.02 | 69.31 | 17.78 |      | 150.0 |         |
|           |                                               | Z | 3.88 | 73.65 | 19.63 |      | 150.0 |         |
| 10193-CAB | IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)  | X | 4.51 | 67.12 | 16.43 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.41 | 66.65 | 16.03 |      | 150.0 |         |
|           |                                               | Z | 4.47 | 66.79 | 16.14 |      | 150.0 |         |
| 10194-CAB | IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) | X | 4.67 | 67.40 | 16.55 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.56 | 66.90 | 16.16 |      | 150.0 |         |
|           |                                               | Z | 4.63 | 67.07 | 16.27 |      | 150.0 |         |
| 10195-CAB | IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) | X | 4.71 | 67.43 | 16.57 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.59 | 66.92 | 16.18 |      | 150.0 |         |
|           |                                               | Z | 4.66 | 67.10 | 16.29 |      | 150.0 |         |
| 10196-CAB | IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)       | X | 4.51 | 67.16 | 16.44 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.40 | 66.66 | 16.02 |      | 150.0 |         |
|           |                                               | Z | 4.46 | 66.83 | 16.15 |      | 150.0 |         |
| 10197-CAB | IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)      | X | 4.68 | 67.42 | 16.56 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.56 | 66.91 | 16.17 |      | 150.0 |         |
|           |                                               | Z | 4.64 | 67.09 | 16.28 |      | 150.0 |         |
| 10198-CAB | IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)      | X | 4.71 | 67.44 | 16.58 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.59 | 66.93 | 16.18 |      | 150.0 |         |
|           |                                               | Z | 4.66 | 67.11 | 16.30 |      | 150.0 |         |
| 10219-CAB | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)       | X | 4.46 | 67.20 | 16.42 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.35 | 66.68 | 15.99 |      | 150.0 |         |
|           |                                               | Z | 4.41 | 66.85 | 16.12 |      | 150.0 |         |
| 10220-CAB | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)    | X | 4.67 | 67.38 | 16.55 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.56 | 66.87 | 16.15 |      | 150.0 |         |
|           |                                               | Z | 4.63 | 67.05 | 16.27 |      | 150.0 |         |
| 10221-CAB | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)    | X | 4.72 | 67.36 | 16.56 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.60 | 66.87 | 16.17 |      | 150.0 |         |
|           |                                               | Z | 4.67 | 67.04 | 16.28 |      | 150.0 |         |
| 10222-CAB | IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)        | X | 5.04 | 67.44 | 16.62 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.96 | 66.99 | 16.30 |      | 150.0 |         |
|           |                                               | Z | 5.01 | 67.16 | 16.38 |      | 150.0 |         |

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|           |                                           |   |        |        |       |      |       |         |
|-----------|-------------------------------------------|---|--------|--------|-------|------|-------|---------|
| 10223-CAB | IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)  | X | 5.33   | 67.63  | 16.73 | 0.00 | 150.0 | ± 9.6 % |
|           |                                           | Y | 5.24   | 67.19  | 16.42 |      | 150.0 |         |
|           |                                           | Z | 5.30   | 67.37  | 16.50 |      | 150.0 |         |
| 10224-CAB | IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM) | X | 5.09   | 67.56  | 16.61 | 0.00 | 150.0 | ± 9.6 % |
|           |                                           | Y | 5.00   | 67.10  | 16.29 |      | 150.0 |         |
|           |                                           | Z | 5.05   | 67.27  | 16.36 |      | 150.0 |         |
| 10225-CAB | UMTS-FDD (HSPA+)                          | X | 2.85   | 67.23  | 15.91 | 0.00 | 150.0 | ± 9.6 % |
|           |                                           | Y | 2.68   | 65.99  | 14.87 |      | 150.0 |         |
|           |                                           | Z | 2.76   | 66.40  | 15.30 |      | 150.0 |         |
| 10226-CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)  | X | 100.00 | 134.64 | 39.04 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 15.50  | 99.99  | 29.80 |      | 65.0  |         |
|           |                                           | Z | 100.00 | 132.31 | 38.10 |      | 65.0  |         |
| 10227-CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)  | X | 89.98  | 129.81 | 37.07 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 15.57  | 98.63  | 28.75 |      | 65.0  |         |
|           |                                           | Z | 100.00 | 129.61 | 36.69 |      | 65.0  |         |
| 10228-CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)    | X | 22.76  | 113.67 | 36.12 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 8.10   | 91.55  | 29.00 |      | 65.0  |         |
|           |                                           | Z | 34.50  | 120.43 | 37.70 |      | 65.0  |         |
| 10229-CAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)    | X | 82.62  | 130.81 | 38.03 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 14.30  | 98.35  | 29.21 |      | 65.0  |         |
|           |                                           | Z | 100.00 | 132.04 | 37.95 |      | 65.0  |         |
| 10230-CAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)    | X | 73.67  | 126.07 | 36.09 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 14.23  | 96.95  | 28.16 |      | 65.0  |         |
|           |                                           | Z | 100.00 | 129.44 | 36.58 |      | 65.0  |         |
| 10231-CAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)      | X | 20.71  | 111.58 | 35.44 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 7.71   | 90.47  | 28.55 |      | 65.0  |         |
|           |                                           | Z | 30.95  | 118.05 | 36.97 |      | 65.0  |         |
| 10232-CAC | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)    | X | 82.54  | 130.81 | 38.03 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 14.28  | 98.32  | 29.21 |      | 65.0  |         |
|           |                                           | Z | 100.00 | 132.06 | 37.95 |      | 65.0  |         |
| 10233-CAC | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)    | X | 73.30  | 126.00 | 36.07 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 14.18  | 96.90  | 28.15 |      | 65.0  |         |
|           |                                           | Z | 100.00 | 129.45 | 36.58 |      | 65.0  |         |
| 10234-CAC | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)      | X | 19.21  | 109.78 | 34.79 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 7.42   | 89.56  | 28.12 |      | 65.0  |         |
|           |                                           | Z | 28.31  | 115.96 | 36.27 |      | 65.0  |         |
| 10235-CAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)   | X | 83.09  | 130.95 | 38.07 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 14.29  | 98.36  | 29.22 |      | 65.0  |         |
|           |                                           | Z | 100.00 | 132.07 | 37.96 |      | 65.0  |         |
| 10236-CAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)   | X | 75.41  | 126.45 | 36.17 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 14.36  | 97.08  | 28.20 |      | 65.0  |         |
|           |                                           | Z | 100.00 | 129.40 | 36.56 |      | 65.0  |         |
| 10237-CAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)     | X | 20.84  | 111.74 | 35.49 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 7.71   | 90.51  | 28.56 |      | 65.0  |         |
|           |                                           | Z | 31.21  | 118.26 | 37.03 |      | 65.0  |         |
| 10238-CAC | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)   | X | 82.49  | 130.82 | 38.03 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 14.24  | 98.30  | 29.20 |      | 65.0  |         |
|           |                                           | Z | 100.00 | 132.07 | 37.95 |      | 65.0  |         |



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|-----------|--------------------------------------------|---|--------|--------|-------|------|------|---------|
| 10239-CAC | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)    | X | 72.98  | 125.95 | 36.08 | 6.02 | 65.0 | ± 9.6 % |
|           |                                            | Y | 14.12  | 96.85  | 28.14 |      | 65.0 |         |
|           |                                            | Z | 100.00 | 129.48 | 36.59 |      | 65.0 |         |
| 10240-CAC | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)      | X | 20.77  | 111.69 | 35.47 | 6.02 | 65.0 | ± 9.6 % |
|           |                                            | Y | 7.70   | 90.48  | 28.55 |      | 65.0 |         |
|           |                                            | Z | 31.11  | 118.21 | 37.01 |      | 65.0 |         |
| 10241-CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | X | 9.67   | 86.02  | 27.48 | 6.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 8.34   | 82.75  | 26.06 |      | 65.0 |         |
|           |                                            | Z | 11.45  | 88.99  | 28.49 |      | 65.0 |         |
| 10242-CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | X | 8.24   | 82.61  | 26.07 | 6.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 7.55   | 80.70  | 25.17 |      | 65.0 |         |
|           |                                            | Z | 9.88   | 85.88  | 27.26 |      | 65.0 |         |
| 10243-CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)   | X | 6.30   | 77.89  | 25.05 | 6.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 5.98   | 76.58  | 24.31 |      | 65.0 |         |
|           |                                            | Z | 7.19   | 80.31  | 26.01 |      | 65.0 |         |
| 10244-CAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)   | X | 8.63   | 81.55  | 20.39 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 5.64   | 74.67  | 17.26 |      | 65.0 |         |
|           |                                            | Z | 9.19   | 81.68  | 20.37 |      | 65.0 |         |
| 10245-CAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)   | X | 8.00   | 80.12  | 19.81 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 5.39   | 73.76  | 16.82 |      | 65.0 |         |
|           |                                            | Z | 8.56   | 80.34  | 19.82 |      | 65.0 |         |
| 10246-CAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)     | X | 18.63  | 97.78  | 26.34 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 6.44   | 80.36  | 20.03 |      | 65.0 |         |
|           |                                            | Z | 11.95  | 89.50  | 23.51 |      | 65.0 |         |
| 10247-CAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)   | X | 7.43   | 80.73  | 21.39 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 5.32   | 74.70  | 18.44 |      | 65.0 |         |
|           |                                            | Z | 7.01   | 78.79  | 20.41 |      | 65.0 |         |
| 10248-CAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   | X | 6.95   | 79.12  | 20.73 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 5.15   | 73.72  | 18.00 |      | 65.0 |         |
|           |                                            | Z | 6.69   | 77.57  | 19.90 |      | 65.0 |         |
| 10249-CAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)     | X | 21.73  | 102.12 | 28.84 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 8.49   | 85.50  | 23.07 |      | 65.0 |         |
|           |                                            | Z | 14.93  | 94.32  | 26.17 |      | 65.0 |         |
| 10250-CAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)  | X | 8.08   | 82.63  | 23.96 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 6.42   | 77.94  | 21.75 |      | 65.0 |         |
|           |                                            | Z | 7.98   | 81.42  | 23.23 |      | 65.0 |         |
| 10251-CAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)  | X | 7.09   | 78.80  | 22.04 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 5.86   | 75.03  | 20.13 |      | 65.0 |         |
|           |                                            | Z | 7.14   | 78.09  | 21.53 |      | 65.0 |         |
| 10252-CAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)    | X | 13.90  | 94.66  | 27.76 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 8.17   | 84.54  | 23.98 |      | 65.0 |         |
|           |                                            | Z | 12.05  | 90.77  | 26.17 |      | 65.0 |         |
| 10253-CAC | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)  | X | 6.81   | 77.00  | 21.71 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 5.93   | 74.14  | 20.21 |      | 65.0 |         |
|           |                                            | Z | 6.96   | 76.68  | 21.36 |      | 65.0 |         |
| 10254-CAC | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)  | X | 7.26   | 78.10  | 22.47 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 6.33   | 75.23  | 21.00 |      | 65.0 |         |
|           |                                            | Z | 7.41   | 77.74  | 22.11 |      | 65.0 |         |

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|-----------|---------------------------------------------|---|-------|-------|-------|------|------|---------|
| 10255-CAC | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)     | X | 9.31  | 85.32 | 24.81 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 7.05  | 79.83 | 22.50 |      | 65.0 |         |
|           |                                             | Z | 9.02  | 83.71 | 23.96 |      | 65.0 |         |
| 10256-CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | X | 5.69  | 74.67 | 16.55 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 3.89  | 69.11 | 13.66 |      | 65.0 |         |
|           |                                             | Z | 6.22  | 75.16 | 16.73 |      | 65.0 |         |
| 10257-CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | X | 5.22  | 73.12 | 15.81 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 3.72  | 68.22 | 13.13 |      | 65.0 |         |
|           |                                             | Z | 5.73  | 73.68 | 16.03 |      | 65.0 |         |
| 10258-CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)   | X | 9.96  | 86.48 | 21.68 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 4.13  | 73.03 | 16.06 |      | 65.0 |         |
|           |                                             | Z | 7.28  | 80.82 | 19.52 |      | 65.0 |         |
| 10259-CAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)   | X | 7.71  | 81.48 | 22.33 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 5.78  | 76.03 | 19.69 |      | 65.0 |         |
|           |                                             | Z | 7.42  | 79.83 | 21.44 |      | 65.0 |         |
| 10260-CAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)   | X | 7.53  | 80.71 | 22.02 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 5.75  | 75.59 | 19.50 |      | 65.0 |         |
|           |                                             | Z | 7.30  | 79.22 | 21.20 |      | 65.0 |         |
| 10261-CAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)     | X | 15.17 | 96.18 | 27.57 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 7.78  | 83.92 | 23.01 |      | 65.0 |         |
|           |                                             | Z | 12.21 | 91.04 | 25.60 |      | 65.0 |         |
| 10262-CAC | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)   | X | 8.05  | 82.54 | 23.90 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 6.39  | 77.84 | 21.69 |      | 65.0 |         |
|           |                                             | Z | 7.96  | 81.33 | 23.17 |      | 65.0 |         |
| 10263-CAC | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)   | X | 7.07  | 78.77 | 22.03 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 5.85  | 75.01 | 20.12 |      | 65.0 |         |
|           |                                             | Z | 7.12  | 78.06 | 21.52 |      | 65.0 |         |
| 10264-CAC | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)     | X | 13.62 | 94.25 | 27.60 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 8.06  | 84.25 | 23.85 |      | 65.0 |         |
|           |                                             | Z | 11.85 | 90.44 | 26.03 |      | 65.0 |         |
| 10265-CAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)  | X | 6.99  | 77.67 | 22.02 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 6.03  | 74.58 | 20.48 |      | 65.0 |         |
|           |                                             | Z | 7.14  | 77.28 | 21.66 |      | 65.0 |         |
| 10266-CAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)  | X | 7.49  | 78.85 | 22.87 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 6.48  | 75.81 | 21.37 |      | 65.0 |         |
|           |                                             | Z | 7.63  | 78.44 | 22.49 |      | 65.0 |         |
| 10267-CAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)    | X | 10.13 | 86.55 | 25.04 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 7.43  | 80.58 | 22.63 |      | 65.0 |         |
|           |                                             | Z | 9.63  | 84.62 | 24.09 |      | 65.0 |         |
| 10268-CAC | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)  | X | 7.40  | 76.77 | 22.05 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 6.63  | 74.41 | 20.87 |      | 65.0 |         |
|           |                                             | Z | 7.60  | 76.62 | 21.80 |      | 65.0 |         |
| 10269-CAC | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)  | X | 7.30  | 76.16 | 21.84 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 6.61  | 73.98 | 20.72 |      | 65.0 |         |
|           |                                             | Z | 7.51  | 76.08 | 21.62 |      | 65.0 |         |
| 10270-CAC | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)    | X | 8.33  | 80.69 | 22.98 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 6.98  | 77.17 | 21.43 |      | 65.0 |         |
|           |                                             | Z | 8.31  | 79.84 | 22.44 |      | 65.0 |         |



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|-----------|--------------------------------------------------------------------|---|--------|--------|-------|------|-------|---------|
| 10274-CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)                          | X | 2.69   | 67.96  | 16.04 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 2.50   | 66.44  | 14.86 |      | 150.0 |         |
|           |                                                                    | Z | 2.58   | 66.90  | 15.30 |      | 150.0 |         |
| 10275-CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)                           | X | 1.89   | 71.54  | 17.59 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 1.50   | 67.06  | 14.93 |      | 150.0 |         |
|           |                                                                    | Z | 1.62   | 68.41  | 15.79 |      | 150.0 |         |
| 10277-CAA | PHS (QPSK)                                                         | X | 2.20   | 61.99  | 7.39  | 9.03 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 2.25   | 62.04  | 7.58  |      | 50.0  |         |
|           |                                                                    | Z | 2.54   | 62.86  | 8.21  |      | 50.0  |         |
| 10278-CAA | PHS (QPSK, BW 884MHz, Rolloff 0.5)                                 | X | 11.72  | 85.68  | 20.59 | 9.03 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 5.21   | 73.63  | 15.97 |      | 50.0  |         |
|           |                                                                    | Z | 9.14   | 81.76  | 19.46 |      | 50.0  |         |
| 10279-CAA | PHS (QPSK, BW 884MHz, Rolloff 0.38)                                | X | 11.89  | 85.89  | 20.73 | 9.03 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 5.30   | 73.84  | 16.11 |      | 50.0  |         |
|           |                                                                    | Z | 9.28   | 81.96  | 19.59 |      | 50.0  |         |
| 10290-AAB | CDMA2000, RC1, SO55, Full Rate                                     | X | 2.55   | 77.51  | 17.57 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 1.11   | 66.19  | 11.94 |      | 150.0 |         |
|           |                                                                    | Z | 1.43   | 69.23  | 13.91 |      | 150.0 |         |
| 10291-AAB | CDMA2000, RC3, SO55, Full Rate                                     | X | 1.39   | 74.07  | 16.28 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 0.70   | 64.23  | 10.87 |      | 150.0 |         |
|           |                                                                    | Z | 0.83   | 66.42  | 12.53 |      | 150.0 |         |
| 10292-AAB | CDMA2000, RC3, SO32, Full Rate                                     | X | 9.82   | 102.29 | 25.87 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 0.89   | 68.01  | 13.15 |      | 150.0 |         |
|           |                                                                    | Z | 1.24   | 72.67  | 15.80 |      | 150.0 |         |
| 10293-AAB | CDMA2000, RC3, SO3, Full Rate                                      | X | 100.00 | 138.23 | 35.17 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 1.51   | 75.03  | 16.60 |      | 150.0 |         |
|           |                                                                    | Z | 2.84   | 84.41  | 20.67 |      | 150.0 |         |
| 10295-AAB | CDMA2000, RC1, SO3, 1/8th Rate 25 fr.                              | X | 27.33  | 105.84 | 30.81 | 9.03 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 18.18  | 96.31  | 27.25 |      | 50.0  |         |
|           |                                                                    | Z | 19.90  | 99.06  | 28.68 |      | 50.0  |         |
| 10297-AAB | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)                            | X | 2.99   | 71.99  | 17.93 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 2.55   | 68.87  | 16.22 |      | 150.0 |         |
|           |                                                                    | Z | 2.72   | 69.95  | 16.77 |      | 150.0 |         |
| 10298-AAC | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)                             | X | 2.01   | 72.44  | 16.26 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 1.27   | 65.63  | 12.31 |      | 150.0 |         |
|           |                                                                    | Z | 1.51   | 67.87  | 13.91 |      | 150.0 |         |
| 10299-AAC | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)                           | X | 2.57   | 69.98  | 13.97 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 1.86   | 65.75  | 11.46 |      | 150.0 |         |
|           |                                                                    | Z | 2.76   | 70.20  | 13.95 |      | 150.0 |         |
| 10300-AAC | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)                           | X | 1.73   | 64.40  | 10.56 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 1.47   | 62.59  | 9.11  |      | 150.0 |         |
|           |                                                                    | Z | 1.87   | 64.77  | 10.68 |      | 150.0 |         |
| 10301-AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)                 | X | 4.92   | 66.72  | 18.02 | 4.17 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 4.65   | 65.76  | 17.35 |      | 50.0  |         |
|           |                                                                    | Z | 5.01   | 66.93  | 18.03 |      | 50.0  |         |
| 10302-AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols) | X | 5.30   | 66.87  | 18.48 | 4.96 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 5.16   | 66.33  | 18.00 |      | 50.0  |         |
|           |                                                                    | Z | 5.35   | 66.90  | 18.40 |      | 50.0  |         |

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|-----------|---------------------------------------------------------------------|---|--------|--------|-------|-------|-------|---------|
| 10303-AAA | IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)                 | X | 5.06   | 66.56  | 18.33 | 4.96  | 50.0  | ± 9.6 % |
|           |                                                                     | Y | 4.93   | 66.03  | 17.83 |       | 50.0  |         |
|           |                                                                     | Z | 5.12   | 66.63  | 18.26 |       | 50.0  |         |
| 10304-AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)                 | X | 4.88   | 66.48  | 17.86 | 4.17  | 50.0  | ± 9.6 % |
|           |                                                                     | Y | 4.73   | 65.90  | 17.33 |       | 50.0  |         |
|           |                                                                     | Z | 4.92   | 66.45  | 17.72 |       | 50.0  |         |
| 10305-AAA | IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)    | X | 4.68   | 69.38  | 20.33 | 6.02  | 35.0  | ± 9.6 % |
|           |                                                                     | Y | 4.66   | 69.11  | 19.71 |       | 35.0  |         |
|           |                                                                     | Z | 4.92   | 70.15  | 20.56 |       | 35.0  |         |
| 10306-AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)    | X | 4.88   | 67.84  | 19.71 | 6.02  | 35.0  | ± 9.6 % |
|           |                                                                     | Y | 4.84   | 67.64  | 19.25 |       | 35.0  |         |
|           |                                                                     | Z | 5.02   | 68.29  | 19.83 |       | 35.0  |         |
| 10307-AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)     | X | 4.79   | 68.06  | 19.71 | 6.02  | 35.0  | ± 9.6 % |
|           |                                                                     | Y | 4.74   | 67.80  | 19.21 |       | 35.0  |         |
|           |                                                                     | Z | 4.95   | 68.57  | 19.84 |       | 35.0  |         |
| 10308-AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)                | X | 4.79   | 68.35  | 19.89 | 6.02  | 35.0  | ± 9.6 % |
|           |                                                                     | Y | 4.74   | 68.07  | 19.38 |       | 35.0  |         |
|           |                                                                     | Z | 4.96   | 68.89  | 20.04 |       | 35.0  |         |
| 10309-AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols) | X | 4.92   | 68.02  | 19.84 | 6.02  | 35.0  | ± 9.6 % |
|           |                                                                     | Y | 4.86   | 67.74  | 19.35 |       | 35.0  |         |
|           |                                                                     | Z | 5.07   | 68.47  | 19.96 |       | 35.0  |         |
| 10310-AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)  | X | 4.84   | 67.95  | 19.71 | 6.02  | 35.0  | ± 9.6 % |
|           |                                                                     | Y | 4.80   | 67.75  | 19.26 |       | 35.0  |         |
|           |                                                                     | Z | 4.99   | 68.43  | 19.84 |       | 35.0  |         |
| 10311-AAB | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)                            | X | 3.38   | 71.09  | 17.45 | 0.00  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 2.91   | 68.21  | 15.92 |       | 150.0 |         |
|           |                                                                     | Z | 3.09   | 69.24  | 16.41 |       | 150.0 |         |
| 10313-AAA | iDEN 1:3                                                            | X | 29.79  | 102.17 | 25.80 | 6.99  | 70.0  | ± 9.6 % |
|           |                                                                     | Y | 6.70   | 82.11  | 20.08 |       | 70.0  |         |
|           |                                                                     | Z | 13.51  | 90.09  | 22.33 |       | 70.0  |         |
| 10314-AAA | iDEN 1:6                                                            | X | 100.00 | 132.14 | 37.01 | 10.00 | 30.0  | ± 9.6 % |
|           |                                                                     | Y | 12.30  | 96.44  | 27.92 |       | 30.0  |         |
|           |                                                                     | Z | 39.07  | 114.28 | 32.48 |       | 30.0  |         |
| 10315-AAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)           | X | 1.17   | 65.90  | 16.81 | 0.17  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 1.10   | 63.55  | 14.86 |       | 150.0 |         |
|           |                                                                     | Z | 1.13   | 64.47  | 15.57 |       | 150.0 |         |
| 10316-AAB | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)       | X | 4.57   | 67.20  | 16.62 | 0.17  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.46   | 66.69  | 16.19 |       | 150.0 |         |
|           |                                                                     | Z | 4.54   | 66.90  | 16.34 |       | 150.0 |         |
| 10317-AAB | IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)             | X | 4.57   | 67.20  | 16.62 | 0.17  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.46   | 66.69  | 16.19 |       | 150.0 |         |
|           |                                                                     | Z | 4.54   | 66.90  | 16.34 |       | 150.0 |         |
| 10400-AAC | IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)                 | X | 4.65   | 67.44  | 16.54 | 0.00  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.52   | 66.90  | 16.13 |       | 150.0 |         |
|           |                                                                     | Z | 4.60   | 67.10  | 16.26 |       | 150.0 |         |
| 10401-AAC | IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)                 | X | 5.31   | 67.36  | 16.56 | 0.00  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 5.20   | 66.85  | 16.21 |       | 150.0 |         |
|           |                                                                     | Z | 5.28   | 67.11  | 16.34 |       | 150.0 |         |



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|-----------|--------------------------------------------------------------------------------|---|--------|--------|-------|------|-------|---------|
| 10402-AAC | IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)                            | X | 5.60   | 67.77  | 16.63 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 5.52   | 67.35  | 16.35 |      | 150.0 |         |
|           |                                                                                | Z | 5.57   | 67.52  | 16.41 |      | 150.0 |         |
| 10403-AAB | CDMA2000 (1xEV-DO, Rev. 0)                                                     | X | 2.55   | 77.51  | 17.57 | 0.00 | 115.0 | ± 9.6 % |
|           |                                                                                | Y | 1.11   | 66.19  | 11.94 |      | 115.0 |         |
|           |                                                                                | Z | 1.43   | 69.23  | 13.91 |      | 115.0 |         |
| 10404-AAB | CDMA2000 (1xEV-DO, Rev. A)                                                     | X | 2.55   | 77.51  | 17.57 | 0.00 | 115.0 | ± 9.6 % |
|           |                                                                                | Y | 1.11   | 66.19  | 11.94 |      | 115.0 |         |
|           |                                                                                | Z | 1.43   | 69.23  | 13.91 |      | 115.0 |         |
| 10406-AAB | CDMA2000, RC3, SO32, SCH0, Full Rate                                           | X | 100.00 | 121.94 | 30.15 | 0.00 | 100.0 | ± 9.6 % |
|           |                                                                                | Y | 54.91  | 111.96 | 27.35 |      | 100.0 |         |
|           |                                                                                | Z | 100.00 | 117.01 | 28.11 |      | 100.0 |         |
| 10410-AAB | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)                 | X | 100.00 | 125.45 | 31.76 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                                | Y | 100.00 | 125.36 | 31.73 |      | 80.0  |         |
|           |                                                                                | Z | 100.00 | 123.08 | 30.95 |      | 80.0  |         |
| 10415-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)                      | X | 1.06   | 64.63  | 16.00 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 1.02   | 62.69  | 14.25 |      | 150.0 |         |
|           |                                                                                | Z | 1.03   | 63.30  | 14.80 |      | 150.0 |         |
| 10416-AAA | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)                  | X | 4.51   | 67.14  | 16.50 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.40   | 66.65  | 16.10 |      | 150.0 |         |
|           |                                                                                | Z | 4.47   | 66.81  | 16.21 |      | 150.0 |         |
| 10417-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)                      | X | 4.51   | 67.14  | 16.50 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.40   | 66.65  | 16.10 |      | 150.0 |         |
|           |                                                                                | Z | 4.47   | 66.81  | 16.21 |      | 150.0 |         |
| 10418-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preamble)  | X | 4.51   | 67.34  | 16.55 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.40   | 66.84  | 16.14 |      | 150.0 |         |
|           |                                                                                | Z | 4.46   | 67.00  | 16.25 |      | 150.0 |         |
| 10419-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preamble) | X | 4.52   | 67.27  | 16.54 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.42   | 66.77  | 16.13 |      | 150.0 |         |
|           |                                                                                | Z | 4.48   | 66.94  | 16.24 |      | 150.0 |         |
| 10422-AAA | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)                                   | X | 4.63   | 67.24  | 16.53 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.52   | 66.76  | 16.15 |      | 150.0 |         |
|           |                                                                                | Z | 4.59   | 66.92  | 16.25 |      | 150.0 |         |
| 10423-AAA | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)                                | X | 4.78   | 67.53  | 16.63 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.66   | 67.02  | 16.24 |      | 150.0 |         |
|           |                                                                                | Z | 4.74   | 67.20  | 16.35 |      | 150.0 |         |
| 10424-AAA | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)                                | X | 4.71   | 67.49  | 16.61 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 4.59   | 66.98  | 16.22 |      | 150.0 |         |
|           |                                                                                | Z | 4.66   | 67.16  | 16.33 |      | 150.0 |         |
| 10425-AAA | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)                                    | X | 5.29   | 67.61  | 16.70 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 5.20   | 67.21  | 16.41 |      | 150.0 |         |
|           |                                                                                | Z | 5.25   | 67.35  | 16.46 |      | 150.0 |         |
| 10426-AAA | IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)                                  | X | 5.30   | 67.67  | 16.72 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                | Y | 5.22   | 67.27  | 16.43 |      | 150.0 |         |
|           |                                                                                | Z | 5.26   | 67.40  | 16.49 |      | 150.0 |         |

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|-----------|----------------------------------------------------------------|---|--------|--------|-------|------|-------|---------|
| 10427-AAA | IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)                 | X | 5.30   | 67.61  | 16.69 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 5.20   | 67.12  | 16.36 |      | 150.0 |         |
|           |                                                                | Z | 5.27   | 67.34  | 16.45 |      | 150.0 |         |
| 10430-AAA | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)                               | X | 4.57   | 73.13  | 19.26 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.25   | 71.86  | 18.29 |      | 150.0 |         |
|           |                                                                | Z | 4.30   | 71.73  | 18.42 |      | 150.0 |         |
| 10431-AAA | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)                              | X | 4.19   | 67.88  | 16.57 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.02   | 67.17  | 15.98 |      | 150.0 |         |
|           |                                                                | Z | 4.13   | 67.40  | 16.19 |      | 150.0 |         |
| 10432-AAA | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)                              | X | 4.48   | 67.62  | 16.60 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.35   | 67.04  | 16.14 |      | 150.0 |         |
|           |                                                                | Z | 4.43   | 67.24  | 16.28 |      | 150.0 |         |
| 10433-AAA | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)                              | X | 4.72   | 67.53  | 16.63 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.60   | 67.01  | 16.24 |      | 150.0 |         |
|           |                                                                | Z | 4.68   | 67.19  | 16.35 |      | 150.0 |         |
| 10434-AAA | W-CDMA (BS Test Model 1, 64 DPCH)                              | X | 4.85   | 74.62  | 19.43 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.36   | 72.77  | 18.16 |      | 150.0 |         |
|           |                                                                | Z | 4.45   | 72.79  | 18.42 |      | 150.0 |         |
| 10435-AAB | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | X | 100.00 | 125.20 | 31.64 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                | Y | 100.00 | 125.11 | 31.61 |      | 80.0  |         |
|           |                                                                | Z | 100.00 | 122.85 | 30.84 |      | 80.0  |         |
| 10447-AAA | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)                 | X | 3.53   | 68.22  | 15.98 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 3.27   | 66.98  | 14.95 |      | 150.0 |         |
|           |                                                                | Z | 3.41   | 67.43  | 15.42 |      | 150.0 |         |
| 10448-AAA | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)                | X | 4.04   | 67.68  | 16.45 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 3.89   | 66.96  | 15.85 |      | 150.0 |         |
|           |                                                                | Z | 3.98   | 67.19  | 16.06 |      | 150.0 |         |
| 10449-AAA | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)                | X | 4.31   | 67.48  | 16.52 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.18   | 66.87  | 16.04 |      | 150.0 |         |
|           |                                                                | Z | 4.26   | 67.08  | 16.19 |      | 150.0 |         |
| 10450-AAA | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)                | X | 4.50   | 67.33  | 16.51 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.39   | 66.79  | 16.09 |      | 150.0 |         |
|           |                                                                | Z | 4.46   | 66.98  | 16.21 |      | 150.0 |         |
| 10451-AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)                | X | 3.42   | 68.46  | 15.57 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 3.09   | 66.85  | 14.32 |      | 150.0 |         |
|           |                                                                | Z | 3.28   | 67.52  | 14.94 |      | 150.0 |         |
| 10456-AAA | IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)           | X | 6.17   | 68.15  | 16.83 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 6.14   | 67.85  | 16.62 |      | 150.0 |         |
|           |                                                                | Z | 6.15   | 67.95  | 16.64 |      | 150.0 |         |
| 10457-AAA | UMTS-FDD (DC-HSDPA)                                            | X | 3.79   | 65.80  | 16.22 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 3.74   | 65.37  | 15.81 |      | 150.0 |         |
|           |                                                                | Z | 3.77   | 65.49  | 15.93 |      | 150.0 |         |
| 10458-AAA | CDMA2000 (1xEV-DO, Rev. B, 2 carriers)                         | X | 3.19   | 67.53  | 14.76 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 2.84   | 65.80  | 13.33 |      | 150.0 |         |
|           |                                                                | Z | 3.06   | 66.68  | 14.17 |      | 150.0 |         |
| 10459-AAA | CDMA2000 (1xEV-DO, Rev. B, 3 carriers)                         | X | 4.34   | 66.03  | 15.88 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 3.91   | 64.46  | 14.68 |      | 150.0 |         |
|           |                                                                | Z | 4.11   | 64.97  | 15.22 |      | 150.0 |         |



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|-----------|-------------------------------------------------------------------|---|--------|--------|-------|------|-------|---------|
| 10460-AAA | UMTS-FDD (WCDMA, AMR)                                             | X | 1.27   | 75.54  | 20.22 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                   | Y | 0.83   | 66.56  | 15.11 |      | 150.0 |         |
|           |                                                                   | Z | 0.92   | 68.82  | 16.54 |      | 150.0 |         |
| 10461-AAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | X | 100.00 | 132.60 | 35.03 | 3.29 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 100.00 | 129.12 | 33.55 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 129.87 | 34.06 |      | 80.0  |         |
| 10462-AAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 100.00 | 108.03 | 23.65 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 3.50   | 73.92  | 14.70 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 107.06 | 23.42 |      | 80.0  |         |
| 10463-AAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 23.45  | 89.85  | 18.33 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 1.43   | 64.41  | 10.45 |      | 80.0  |         |
|           |                                                                   | Z | 23.26  | 89.31  | 18.29 |      | 80.0  |         |
| 10464-AAA | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 100.00 | 129.90 | 33.60 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 96.78  | 125.96 | 32.03 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 127.32 | 32.71 |      | 80.0  |         |
| 10465-AAA | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 100.00 | 107.18 | 23.25 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 2.49   | 70.38  | 13.38 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 106.32 | 23.07 |      | 80.0  |         |
| 10466-AAA | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 5.37   | 76.40  | 14.60 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 1.29   | 63.36  | 9.93  |      | 80.0  |         |
|           |                                                                   | Z | 7.20   | 78.43  | 15.29 |      | 80.0  |         |
| 10467-AAB | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 100.00 | 130.27 | 33.76 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 100.00 | 126.74 | 32.27 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 127.65 | 32.86 |      | 80.0  |         |
| 10468-AAB | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 100.00 | 107.46 | 23.37 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 2.71   | 71.30  | 13.74 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 106.56 | 23.18 |      | 80.0  |         |
| 10469-AAB | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 5.59   | 76.77  | 14.71 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 1.30   | 63.41  | 9.95  |      | 80.0  |         |
|           |                                                                   | Z | 7.47   | 78.79  | 15.40 |      | 80.0  |         |
| 10470-AAB | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | X | 100.00 | 130.32 | 33.77 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 100.00 | 126.77 | 32.28 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 127.69 | 32.87 |      | 80.0  |         |
| 10471-AAB | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | X | 100.00 | 107.37 | 23.33 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 2.68   | 71.19  | 13.69 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 106.49 | 23.14 |      | 80.0  |         |
| 10472-AAB | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | X | 5.39   | 76.42  | 14.59 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 1.29   | 63.36  | 9.92  |      | 80.0  |         |
|           |                                                                   | Z | 7.28   | 78.52  | 15.30 |      | 80.0  |         |
| 10473-AAB | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | X | 100.00 | 130.28 | 33.76 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 100.00 | 126.74 | 32.26 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 127.65 | 32.85 |      | 80.0  |         |
| 10474-AAB | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | X | 100.00 | 107.38 | 23.33 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 2.66   | 71.11  | 13.66 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 106.49 | 23.14 |      | 80.0  |         |
| 10475-AAB | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | X | 5.28   | 76.25  | 14.54 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 1.28   | 63.34  | 9.91  |      | 80.0  |         |
|           |                                                                   | Z | 7.14   | 78.36  | 15.25 |      | 80.0  |         |

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| 10477-AAB | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)    | X | 100.00 | 107.11 | 23.21 | 3.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 2.49   | 70.42  | 13.38 |      | 80.0 |         |
|           |                                                                     | Z | 100.00 | 106.26 | 23.03 |      | 80.0 |         |
| 10478-AAB | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)    | X | 5.06   | 75.82  | 14.39 | 3.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 1.28   | 63.28  | 9.87  |      | 80.0 |         |
|           |                                                                     | Z | 6.87   | 77.99  | 15.13 |      | 80.0 |         |
| 10479-AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | X | 100.00 | 126.93 | 34.02 | 3.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 13.38  | 95.37  | 25.60 |      | 80.0 |         |
|           |                                                                     | Z | 94.85  | 124.77 | 33.35 |      | 80.0 |         |
| 10480-AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 100.00 | 115.10 | 28.45 | 3.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 10.61  | 85.67  | 20.42 |      | 80.0 |         |
|           |                                                                     | Z | 100.00 | 114.05 | 28.08 |      | 80.0 |         |
| 10481-AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 72.99  | 108.90 | 26.41 | 3.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 6.63   | 78.99  | 17.85 |      | 80.0 |         |
|           |                                                                     | Z | 50.22  | 103.51 | 25.05 |      | 80.0 |         |
| 10482-AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 22.45  | 101.11 | 26.27 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 3.07   | 72.50  | 16.40 |      | 80.0 |         |
|           |                                                                     | Z | 6.67   | 82.90  | 20.59 |      | 80.0 |         |
| 10483-AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 11.24  | 85.83  | 20.71 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 3.41   | 70.08  | 14.59 |      | 80.0 |         |
|           |                                                                     | Z | 9.47   | 83.02  | 19.78 |      | 80.0 |         |
| 10484-AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 8.51   | 82.05  | 19.52 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 3.13   | 68.80  | 14.05 |      | 80.0 |         |
|           |                                                                     | Z | 7.60   | 80.01  | 18.80 |      | 80.0 |         |
| 10485-AAB | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 11.52  | 93.72  | 25.67 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 3.68   | 75.26  | 18.76 |      | 80.0 |         |
|           |                                                                     | Z | 6.26   | 82.99  | 21.85 |      | 80.0 |         |
| 10486-AAB | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 6.05   | 79.59  | 20.24 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 3.22   | 69.88  | 15.80 |      | 80.0 |         |
|           |                                                                     | Z | 4.55   | 74.57  | 18.10 |      | 80.0 |         |
| 10487-AAB | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 5.65   | 78.19  | 19.70 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 3.17   | 69.31  | 15.53 |      | 80.0 |         |
|           |                                                                     | Z | 4.40   | 73.72  | 17.74 |      | 80.0 |         |
| 10488-AAB | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | X | 6.27   | 82.82  | 23.06 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 3.70   | 73.56  | 19.11 |      | 80.0 |         |
|           |                                                                     | Z | 5.09   | 78.35  | 21.09 |      | 80.0 |         |
| 10489-AAB | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | X | 4.60   | 74.50  | 19.82 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 3.57   | 69.95  | 17.46 |      | 80.0 |         |
|           |                                                                     | Z | 4.26   | 72.50  | 18.73 |      | 80.0 |         |
| 10490-AAB | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | X | 4.60   | 73.92  | 19.58 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 3.64   | 69.73  | 17.37 |      | 80.0 |         |
|           |                                                                     | Z | 4.31   | 72.12  | 18.57 |      | 80.0 |         |
| 10491-AAB | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | X | 5.31   | 77.49  | 21.21 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 3.85   | 71.68  | 18.53 |      | 80.0 |         |
|           |                                                                     | Z | 4.80   | 74.99  | 19.94 |      | 80.0 |         |
| 10492-AAB | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | X | 4.52   | 71.91  | 19.07 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 3.85   | 68.89  | 17.42 |      | 80.0 |         |
|           |                                                                     | Z | 4.38   | 70.78  | 18.35 |      | 80.0 |         |



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|           |                                                                      |   |       |       |       |      |      |         |
|-----------|----------------------------------------------------------------------|---|-------|-------|-------|------|------|---------|
| 10493-AAB | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 4.54  | 71.58 | 18.93 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 3.90  | 68.74 | 17.35 |      | 80.0 |         |
|           |                                                                      | Z | 4.42  | 70.55 | 18.25 |      | 80.0 |         |
| 10494-AAB | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 6.30  | 80.44 | 22.16 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 4.17  | 73.15 | 19.03 |      | 80.0 |         |
|           |                                                                      | Z | 5.43  | 77.14 | 20.64 |      | 80.0 |         |
| 10495-AAB | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 4.59  | 72.41 | 19.33 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 3.88  | 69.19 | 17.62 |      | 80.0 |         |
|           |                                                                      | Z | 4.44  | 71.21 | 18.58 |      | 80.0 |         |
| 10496-AAB | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 4.60  | 71.83 | 19.11 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 3.95  | 68.92 | 17.54 |      | 80.0 |         |
|           |                                                                      | Z | 4.48  | 70.78 | 18.43 |      | 80.0 |         |
| 10497-AAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | X | 16.04 | 93.03 | 22.43 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 1.83  | 65.71 | 12.24 |      | 80.0 |         |
|           |                                                                      | Z | 4.14  | 75.38 | 16.71 |      | 80.0 |         |
| 10498-AAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 2.09  | 65.14 | 11.49 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 1.29  | 60.00 | 8.18  |      | 80.0 |         |
|           |                                                                      | Z | 1.80  | 62.99 | 10.35 |      | 80.0 |         |
| 10499-AAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 1.86  | 63.61 | 10.61 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 1.30  | 60.00 | 8.02  |      | 80.0 |         |
|           |                                                                      | Z | 1.68  | 62.07 | 9.73  |      | 80.0 |         |
| 10500-AAA | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 7.85  | 87.28 | 24.05 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 3.62  | 74.30 | 18.81 |      | 80.0 |         |
|           |                                                                      | Z | 5.46  | 80.32 | 21.30 |      | 80.0 |         |
| 10501-AAA | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 5.28  | 77.27 | 19.98 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 3.43  | 70.19 | 16.55 |      | 80.0 |         |
|           |                                                                      | Z | 4.44  | 73.78 | 18.35 |      | 80.0 |         |
| 10502-AAA | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 5.26  | 76.75 | 19.70 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 3.46  | 69.95 | 16.37 |      | 80.0 |         |
|           |                                                                      | Z | 4.45  | 73.43 | 18.14 |      | 80.0 |         |
| 10503-AAB | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 6.13  | 82.44 | 22.90 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 3.65  | 73.33 | 19.00 |      | 80.0 |         |
|           |                                                                      | Z | 5.01  | 78.06 | 20.96 |      | 80.0 |         |
| 10504-AAB | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 4.56  | 74.35 | 19.74 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 3.55  | 69.83 | 17.39 |      | 80.0 |         |
|           |                                                                      | Z | 4.23  | 72.37 | 18.66 |      | 80.0 |         |
| 10505-AAB | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 4.57  | 73.78 | 19.51 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 3.62  | 69.62 | 17.30 |      | 80.0 |         |
|           |                                                                      | Z | 4.28  | 72.00 | 18.50 |      | 80.0 |         |
| 10506-AAB | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | X | 6.21  | 80.19 | 22.05 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 4.13  | 72.99 | 18.95 |      | 80.0 |         |
|           |                                                                      | Z | 5.37  | 76.94 | 20.55 |      | 80.0 |         |
| 10507-AAB | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | X | 4.57  | 72.33 | 19.29 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 3.86  | 69.12 | 17.58 |      | 80.0 |         |
|           |                                                                      | Z | 4.42  | 71.14 | 18.54 |      | 80.0 |         |

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|-----------|---------------------------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10508-AAB | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 4.58 | 71.73 | 19.06 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 3.94 | 68.84 | 17.49 |      | 80.0  |         |
|           |                                                                     | Z | 4.46 | 70.69 | 18.38 |      | 80.0  |         |
| 10509-AAB | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | X | 5.83 | 76.49 | 20.61 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 4.46 | 71.62 | 18.40 |      | 80.0  |         |
|           |                                                                     | Z | 5.37 | 74.46 | 19.57 |      | 80.0  |         |
| 10510-AAB | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 4.89 | 71.13 | 18.85 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 4.31 | 68.67 | 17.53 |      | 80.0  |         |
|           |                                                                     | Z | 4.81 | 70.33 | 18.30 |      | 80.0  |         |
| 10511-AAB | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 4.90 | 70.69 | 18.70 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 4.37 | 68.45 | 17.47 |      | 80.0  |         |
|           |                                                                     | Z | 4.84 | 69.99 | 18.19 |      | 80.0  |         |
| 10512-AAB | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | X | 6.75 | 79.67 | 21.67 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 4.65 | 73.10 | 18.88 |      | 80.0  |         |
|           |                                                                     | Z | 5.92 | 76.77 | 20.32 |      | 80.0  |         |
| 10513-AAB | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 4.83 | 71.62 | 19.07 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 4.21 | 68.87 | 17.63 |      | 80.0  |         |
|           |                                                                     | Z | 4.73 | 70.71 | 18.47 |      | 80.0  |         |
| 10514-AAB | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 4.78 | 70.93 | 18.82 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 4.23 | 68.48 | 17.50 |      | 80.0  |         |
|           |                                                                     | Z | 4.71 | 70.15 | 18.28 |      | 80.0  |         |
| 10515-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)           | X | 1.03 | 64.96 | 16.17 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 0.98 | 62.82 | 14.28 |      | 150.0 |         |
|           |                                                                     | Z | 0.99 | 63.49 | 14.87 |      | 150.0 |         |
| 10516-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)         | X | 1.36 | 87.70 | 25.78 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 0.53 | 66.95 | 15.48 |      | 150.0 |         |
|           |                                                                     | Z | 0.62 | 70.94 | 17.85 |      | 150.0 |         |
| 10517-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)          | X | 0.94 | 68.49 | 17.78 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 0.80 | 64.15 | 14.62 |      | 150.0 |         |
|           |                                                                     | Z | 0.84 | 65.42 | 15.57 |      | 150.0 |         |
| 10518-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)           | X | 4.50 | 67.24 | 16.49 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.40 | 66.74 | 16.08 |      | 150.0 |         |
|           |                                                                     | Z | 4.46 | 66.90 | 16.20 |      | 150.0 |         |
| 10519-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)          | X | 4.67 | 67.42 | 16.58 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.55 | 66.92 | 16.18 |      | 150.0 |         |
|           |                                                                     | Z | 4.62 | 67.09 | 16.30 |      | 150.0 |         |
| 10520-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)          | X | 4.53 | 67.40 | 16.52 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.40 | 66.85 | 16.09 |      | 150.0 |         |
|           |                                                                     | Z | 4.48 | 67.05 | 16.22 |      | 150.0 |         |
| 10521-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)          | X | 4.46 | 67.40 | 16.52 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.34 | 66.82 | 16.07 |      | 150.0 |         |
|           |                                                                     | Z | 4.41 | 67.04 | 16.21 |      | 150.0 |         |
| 10522-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)          | X | 4.52 | 67.52 | 16.61 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.39 | 66.94 | 16.17 |      | 150.0 |         |
|           |                                                                     | Z | 4.47 | 67.15 | 16.31 |      | 150.0 |         |

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|-----------|------------------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10523-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) | X | 4.42 | 67.45 | 16.50 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.31 | 66.91 | 16.07 |      | 150.0 |         |
|           |                                                            | Z | 4.37 | 67.08 | 16.18 |      | 150.0 |         |
| 10524-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) | X | 4.46 | 67.44 | 16.58 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.34 | 66.89 | 16.15 |      | 150.0 |         |
|           |                                                            | Z | 4.42 | 67.08 | 16.27 |      | 150.0 |         |
| 10525-AAA | IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)          | X | 4.48 | 66.54 | 16.20 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.36 | 66.00 | 15.77 |      | 150.0 |         |
|           |                                                            | Z | 4.43 | 66.17 | 15.89 |      | 150.0 |         |
| 10526-AAA | IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)          | X | 4.63 | 66.87 | 16.33 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.49 | 66.28 | 15.89 |      | 150.0 |         |
|           |                                                            | Z | 4.57 | 66.49 | 16.02 |      | 150.0 |         |
| 10527-AAA | IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)          | X | 4.56 | 66.85 | 16.28 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.42 | 66.24 | 15.83 |      | 150.0 |         |
|           |                                                            | Z | 4.50 | 66.46 | 15.96 |      | 150.0 |         |
| 10528-AAA | IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)          | X | 4.57 | 66.86 | 16.31 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.43 | 66.26 | 15.86 |      | 150.0 |         |
|           |                                                            | Z | 4.51 | 66.47 | 15.99 |      | 150.0 |         |
| 10529-AAA | IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)          | X | 4.57 | 66.86 | 16.31 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.43 | 66.26 | 15.86 |      | 150.0 |         |
|           |                                                            | Z | 4.51 | 66.47 | 15.99 |      | 150.0 |         |
| 10531-AAA | IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)          | X | 4.55 | 66.94 | 16.31 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.40 | 66.29 | 15.84 |      | 150.0 |         |
|           |                                                            | Z | 4.49 | 66.54 | 15.99 |      | 150.0 |         |
| 10532-AAA | IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)          | X | 4.42 | 66.82 | 16.26 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.28 | 66.15 | 15.77 |      | 150.0 |         |
|           |                                                            | Z | 4.36 | 66.40 | 15.93 |      | 150.0 |         |
| 10533-AAA | IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)          | X | 4.58 | 66.94 | 16.31 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.44 | 66.33 | 15.86 |      | 150.0 |         |
|           |                                                            | Z | 4.52 | 66.54 | 15.99 |      | 150.0 |         |
| 10534-AAA | IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)          | X | 5.10 | 66.82 | 16.29 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.99 | 66.31 | 15.94 |      | 150.0 |         |
|           |                                                            | Z | 5.05 | 66.51 | 16.03 |      | 150.0 |         |
| 10535-AAA | IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)          | X | 5.15 | 66.98 | 16.37 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 5.04 | 66.45 | 16.01 |      | 150.0 |         |
|           |                                                            | Z | 5.11 | 66.67 | 16.10 |      | 150.0 |         |
| 10536-AAA | IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)          | X | 5.04 | 66.97 | 16.35 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.93 | 66.44 | 15.98 |      | 150.0 |         |
|           |                                                            | Z | 4.99 | 66.65 | 16.08 |      | 150.0 |         |
| 10537-AAA | IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)          | X | 5.09 | 66.92 | 16.32 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.98 | 66.42 | 15.97 |      | 150.0 |         |
|           |                                                            | Z | 5.04 | 66.60 | 16.06 |      | 150.0 |         |
| 10538-AAA | IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)          | X | 5.16 | 66.90 | 16.35 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 5.05 | 66.40 | 16.00 |      | 150.0 |         |
|           |                                                            | Z | 5.12 | 66.59 | 16.09 |      | 150.0 |         |
| 10540-AAA | IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)          | X | 5.10 | 66.89 | 16.36 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.98 | 66.36 | 16.00 |      | 150.0 |         |
|           |                                                            | Z | 5.05 | 66.58 | 16.10 |      | 150.0 |         |

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|-----------|-----------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10541-AAA | IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)   | X | 5.08 | 66.80 | 16.30 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 4.97 | 66.28 | 15.94 |      | 150.0 |         |
|           |                                                     | Z | 5.03 | 66.49 | 16.04 |      | 150.0 |         |
| 10542-AAA | IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)   | X | 5.23 | 66.86 | 16.34 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 5.12 | 66.38 | 16.01 |      | 150.0 |         |
|           |                                                     | Z | 5.19 | 66.57 | 16.10 |      | 150.0 |         |
| 10543-AAA | IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)   | X | 5.29 | 66.86 | 16.37 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 5.19 | 66.42 | 16.06 |      | 150.0 |         |
|           |                                                     | Z | 5.25 | 66.58 | 16.12 |      | 150.0 |         |
| 10544-AAA | IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)   | X | 5.42 | 66.89 | 16.26 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 5.33 | 66.42 | 15.95 |      | 150.0 |         |
|           |                                                     | Z | 5.38 | 66.62 | 16.03 |      | 150.0 |         |
| 10545-AAA | IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)   | X | 5.59 | 67.26 | 16.39 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 5.50 | 66.82 | 16.11 |      | 150.0 |         |
|           |                                                     | Z | 5.54 | 66.98 | 16.16 |      | 150.0 |         |
| 10546-AAA | IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)   | X | 5.46 | 67.05 | 16.31 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 5.37 | 66.54 | 15.98 |      | 150.0 |         |
|           |                                                     | Z | 5.42 | 66.77 | 16.07 |      | 150.0 |         |
| 10547-AAA | IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)   | X | 5.53 | 67.10 | 16.32 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 5.44 | 66.63 | 16.02 |      | 150.0 |         |
|           |                                                     | Z | 5.49 | 66.82 | 16.09 |      | 150.0 |         |
| 10548-AAA | IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)   | X | 5.70 | 67.79 | 16.64 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 5.59 | 67.25 | 16.30 |      | 150.0 |         |
|           |                                                     | Z | 5.64 | 67.47 | 16.39 |      | 150.0 |         |
| 10550-AAA | IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)   | X | 5.49 | 67.10 | 16.35 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 5.42 | 66.68 | 16.06 |      | 150.0 |         |
|           |                                                     | Z | 5.45 | 66.82 | 16.11 |      | 150.0 |         |
| 10551-AAA | IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)   | X | 5.49 | 67.10 | 16.30 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 5.37 | 66.52 | 15.95 |      | 150.0 |         |
|           |                                                     | Z | 5.44 | 66.81 | 16.06 |      | 150.0 |         |
| 10552-AAA | IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)   | X | 5.43 | 66.99 | 16.26 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 5.34 | 66.52 | 15.94 |      | 150.0 |         |
|           |                                                     | Z | 5.39 | 66.71 | 16.02 |      | 150.0 |         |
| 10553-AAA | IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)   | X | 5.50 | 66.97 | 16.28 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 5.40 | 66.49 | 15.96 |      | 150.0 |         |
|           |                                                     | Z | 5.46 | 66.70 | 16.05 |      | 150.0 |         |
| 10554-AAA | IEEE 1602.11ac WiFi (160MHz, MCS0, 99pc duty cycle) | X | 5.82 | 67.21 | 16.32 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 5.75 | 66.76 | 16.03 |      | 150.0 |         |
|           |                                                     | Z | 5.78 | 66.95 | 16.10 |      | 150.0 |         |
| 10555-AAA | IEEE 1602.11ac WiFi (160MHz, MCS1, 99pc duty cycle) | X | 5.93 | 67.46 | 16.43 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 5.85 | 66.99 | 16.13 |      | 150.0 |         |
|           |                                                     | Z | 5.89 | 67.20 | 16.21 |      | 150.0 |         |
| 10556-AAA | IEEE 1602.11ac WiFi (160MHz, MCS2, 99pc duty cycle) | X | 5.96 | 67.52 | 16.45 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 5.88 | 67.08 | 16.16 |      | 150.0 |         |
|           |                                                     | Z | 5.91 | 67.26 | 16.23 |      | 150.0 |         |
| 10557-AAA | IEEE 1602.11ac WiFi (160MHz, MCS3, 99pc duty cycle) | X | 5.92 | 67.43 | 16.42 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 5.84 | 66.96 | 16.13 |      | 150.0 |         |
|           |                                                     | Z | 5.88 | 67.17 | 16.20 |      | 150.0 |         |

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|           |                                                                 |   |        |        |       |      |       |         |
|-----------|-----------------------------------------------------------------|---|--------|--------|-------|------|-------|---------|
| 10558-AAA | IEEE 1602.11ac WiFi (160MHz, MCS4, 99pc duty cycle)             | X | 5.96   | 67.57  | 16.51 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 5.86   | 67.06  | 16.19 |      | 150.0 |         |
|           |                                                                 | Z | 5.92   | 67.31  | 16.29 |      | 150.0 |         |
| 10560-AAA | IEEE 1602.11ac WiFi (160MHz, MCS6, 99pc duty cycle)             | X | 5.96   | 67.44  | 16.48 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 5.87   | 66.96  | 16.18 |      | 150.0 |         |
|           |                                                                 | Z | 5.92   | 67.18  | 16.26 |      | 150.0 |         |
| 10561-AAA | IEEE 1602.11ac WiFi (160MHz, MCS7, 99pc duty cycle)             | X | 5.89   | 67.40  | 16.50 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 5.80   | 66.94  | 16.20 |      | 150.0 |         |
|           |                                                                 | Z | 5.84   | 67.14  | 16.28 |      | 150.0 |         |
| 10562-AAA | IEEE 1602.11ac WiFi (160MHz, MCS8, 99pc duty cycle)             | X | 5.98   | 67.69  | 16.64 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 5.86   | 67.13  | 16.30 |      | 150.0 |         |
|           |                                                                 | Z | 5.93   | 67.41  | 16.41 |      | 150.0 |         |
| 10563-AAA | IEEE 1602.11ac WiFi (160MHz, MCS9, 99pc duty cycle)             | X | 6.05   | 67.54  | 16.52 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 5.95   | 67.06  | 16.22 |      | 150.0 |         |
|           |                                                                 | Z | 6.00   | 67.28  | 16.30 |      | 150.0 |         |
| 10564-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)  | X | 4.82   | 67.24  | 16.60 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.72   | 66.79  | 16.24 |      | 150.0 |         |
|           |                                                                 | Z | 4.78   | 66.96  | 16.35 |      | 150.0 |         |
| 10565-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle) | X | 5.03   | 67.66  | 16.91 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.92   | 67.21  | 16.56 |      | 150.0 |         |
|           |                                                                 | Z | 4.99   | 67.37  | 16.66 |      | 150.0 |         |
| 10566-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle) | X | 4.87   | 67.51  | 16.74 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.75   | 67.02  | 16.36 |      | 150.0 |         |
|           |                                                                 | Z | 4.83   | 67.21  | 16.48 |      | 150.0 |         |
| 10567-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle) | X | 4.91   | 67.97  | 17.14 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.79   | 67.45  | 16.75 |      | 150.0 |         |
|           |                                                                 | Z | 4.87   | 67.63  | 16.85 |      | 150.0 |         |
| 10568-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) | X | 4.77   | 67.27  | 16.50 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.65   | 66.75  | 16.09 |      | 150.0 |         |
|           |                                                                 | Z | 4.74   | 66.99  | 16.25 |      | 150.0 |         |
| 10569-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) | X | 4.89   | 68.16  | 17.26 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.78   | 67.67  | 16.89 |      | 150.0 |         |
|           |                                                                 | Z | 4.84   | 67.81  | 16.97 |      | 150.0 |         |
| 10570-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) | X | 4.90   | 67.92  | 17.14 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.78   | 67.44  | 16.76 |      | 150.0 |         |
|           |                                                                 | Z | 4.86   | 67.60  | 16.86 |      | 150.0 |         |
| 10571-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)       | X | 1.29   | 66.90  | 17.34 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 1.18   | 64.21  | 15.26 |      | 130.0 |         |
|           |                                                                 | Z | 1.25   | 65.49  | 16.13 |      | 130.0 |         |
| 10572-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)       | X | 1.32   | 67.77  | 17.86 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 1.20   | 64.74  | 15.60 |      | 130.0 |         |
|           |                                                                 | Z | 1.27   | 66.15  | 16.53 |      | 130.0 |         |
| 10573-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)     | X | 100.00 | 157.80 | 43.41 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 1.35   | 77.92  | 20.42 |      | 130.0 |         |
|           |                                                                 | Z | 4.07   | 96.53  | 27.00 |      | 130.0 |         |
| 10574-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)      | X | 1.82   | 78.36  | 22.91 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 1.27   | 69.71  | 18.21 |      | 130.0 |         |
|           |                                                                 | Z | 1.48   | 72.97  | 19.91 |      | 130.0 |         |

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|           |                                                                 |   |      |       |       |      |       |         |
|-----------|-----------------------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10575-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)  | X | 4.61 | 67.09 | 16.70 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.51 | 66.61 | 16.30 |      | 130.0 |         |
|           |                                                                 | Z | 4.59 | 66.81 | 16.44 |      | 130.0 |         |
| 10576-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)  | X | 4.65 | 67.29 | 16.79 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.54 | 66.81 | 16.39 |      | 130.0 |         |
|           |                                                                 | Z | 4.61 | 67.00 | 16.52 |      | 130.0 |         |
| 10577-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) | X | 4.83 | 67.53 | 16.93 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.71 | 67.05 | 16.53 |      | 130.0 |         |
|           |                                                                 | Z | 4.79 | 67.24 | 16.67 |      | 130.0 |         |
| 10578-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) | X | 4.74 | 67.74 | 17.07 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.62 | 67.21 | 16.65 |      | 130.0 |         |
|           |                                                                 | Z | 4.70 | 67.42 | 16.79 |      | 130.0 |         |
| 10579-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) | X | 4.49 | 66.93 | 16.32 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.37 | 66.37 | 15.88 |      | 130.0 |         |
|           |                                                                 | Z | 4.46 | 66.65 | 16.07 |      | 130.0 |         |
| 10580-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) | X | 4.53 | 66.98 | 16.35 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.41 | 66.43 | 15.90 |      | 130.0 |         |
|           |                                                                 | Z | 4.50 | 66.70 | 16.09 |      | 130.0 |         |
| 10581-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) | X | 4.65 | 67.83 | 17.05 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.53 | 67.28 | 16.62 |      | 130.0 |         |
|           |                                                                 | Z | 4.61 | 67.49 | 16.76 |      | 130.0 |         |
| 10582-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) | X | 4.42 | 66.66 | 16.09 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.29 | 66.11 | 15.64 |      | 130.0 |         |
|           |                                                                 | Z | 4.39 | 66.39 | 15.84 |      | 130.0 |         |
| 10583-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)       | X | 4.61 | 67.09 | 16.70 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.51 | 66.61 | 16.30 |      | 130.0 |         |
|           |                                                                 | Z | 4.59 | 66.81 | 16.44 |      | 130.0 |         |
| 10584-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)       | X | 4.65 | 67.29 | 16.79 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.54 | 66.81 | 16.39 |      | 130.0 |         |
|           |                                                                 | Z | 4.61 | 67.00 | 16.52 |      | 130.0 |         |
| 10585-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)      | X | 4.83 | 67.53 | 16.93 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.71 | 67.05 | 16.53 |      | 130.0 |         |
|           |                                                                 | Z | 4.79 | 67.24 | 16.67 |      | 130.0 |         |
| 10586-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)      | X | 4.74 | 67.74 | 17.07 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.62 | 67.21 | 16.65 |      | 130.0 |         |
|           |                                                                 | Z | 4.70 | 67.42 | 16.79 |      | 130.0 |         |
| 10587-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)      | X | 4.49 | 66.93 | 16.32 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.37 | 66.37 | 15.88 |      | 130.0 |         |
|           |                                                                 | Z | 4.46 | 66.65 | 16.07 |      | 130.0 |         |
| 10588-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)      | X | 4.53 | 66.98 | 16.35 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.41 | 66.43 | 15.90 |      | 130.0 |         |
|           |                                                                 | Z | 4.50 | 66.70 | 16.09 |      | 130.0 |         |
| 10589-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)      | X | 4.65 | 67.83 | 17.05 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.53 | 67.28 | 16.62 |      | 130.0 |         |
|           |                                                                 | Z | 4.61 | 67.49 | 16.76 |      | 130.0 |         |
| 10590-AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)      | X | 4.42 | 66.66 | 16.09 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.29 | 66.11 | 15.64 |      | 130.0 |         |
|           |                                                                 | Z | 4.39 | 66.39 | 15.84 |      | 130.0 |         |



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|           |                                                       |   |      |       |       |      |       |         |
|-----------|-------------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10591-AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle) | X | 4.76 | 67.13 | 16.79 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.67 | 66.70 | 16.42 |      | 130.0 |         |
|           |                                                       | Z | 4.74 | 66.87 | 16.55 |      | 130.0 |         |
| 10592-AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle) | X | 4.91 | 67.46 | 16.92 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.79 | 67.00 | 16.55 |      | 130.0 |         |
|           |                                                       | Z | 4.87 | 67.19 | 16.67 |      | 130.0 |         |
| 10593-AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle) | X | 4.82 | 67.35 | 16.79 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.71 | 66.87 | 16.40 |      | 130.0 |         |
|           |                                                       | Z | 4.79 | 67.08 | 16.54 |      | 130.0 |         |
| 10594-AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle) | X | 4.88 | 67.54 | 16.96 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.77 | 67.06 | 16.58 |      | 130.0 |         |
|           |                                                       | Z | 4.85 | 67.26 | 16.71 |      | 130.0 |         |
| 10595-AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle) | X | 4.85 | 67.50 | 16.87 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.73 | 67.02 | 16.48 |      | 130.0 |         |
|           |                                                       | Z | 4.82 | 67.23 | 16.61 |      | 130.0 |         |
| 10596-AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle) | X | 4.78 | 67.50 | 16.87 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.66 | 66.99 | 16.47 |      | 130.0 |         |
|           |                                                       | Z | 4.75 | 67.21 | 16.61 |      | 130.0 |         |
| 10597-AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle) | X | 4.73 | 67.38 | 16.74 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.61 | 66.86 | 16.32 |      | 130.0 |         |
|           |                                                       | Z | 4.70 | 67.09 | 16.48 |      | 130.0 |         |
| 10598-AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle) | X | 4.73 | 67.65 | 17.03 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.61 | 67.11 | 16.61 |      | 130.0 |         |
|           |                                                       | Z | 4.69 | 67.34 | 16.75 |      | 130.0 |         |
| 10599-AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle) | X | 5.40 | 67.48 | 16.91 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.34 | 67.15 | 16.64 |      | 130.0 |         |
|           |                                                       | Z | 5.38 | 67.26 | 16.70 |      | 130.0 |         |
| 10600-AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle) | X | 5.50 | 67.81 | 17.04 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.43 | 67.47 | 16.78 |      | 130.0 |         |
|           |                                                       | Z | 5.48 | 67.58 | 16.83 |      | 130.0 |         |
| 10601-AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle) | X | 5.42 | 67.65 | 16.98 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.34 | 67.28 | 16.70 |      | 130.0 |         |
|           |                                                       | Z | 5.39 | 67.42 | 16.77 |      | 130.0 |         |
| 10602-AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle) | X | 5.54 | 67.77 | 16.95 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.45 | 67.37 | 16.66 |      | 130.0 |         |
|           |                                                       | Z | 5.51 | 67.54 | 16.75 |      | 130.0 |         |
| 10603-AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle) | X | 5.61 | 68.05 | 17.23 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.52 | 67.67 | 16.95 |      | 130.0 |         |
|           |                                                       | Z | 5.58 | 67.82 | 17.02 |      | 130.0 |         |
| 10604-AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle) | X | 5.47 | 67.68 | 17.03 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.41 | 67.35 | 16.77 |      | 130.0 |         |
|           |                                                       | Z | 5.45 | 67.46 | 16.82 |      | 130.0 |         |
| 10605-AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle) | X | 5.51 | 67.76 | 17.07 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.43 | 67.38 | 16.78 |      | 130.0 |         |
|           |                                                       | Z | 5.48 | 67.54 | 16.86 |      | 130.0 |         |
| 10606-AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle) | X | 5.26 | 67.11 | 16.60 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.21 | 66.79 | 16.34 |      | 130.0 |         |
|           |                                                       | Z | 5.24 | 66.90 | 16.40 |      | 130.0 |         |

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|           |                                                   |   |      |       |       |      |       |         |
|-----------|---------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10607-AAA | IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle) | X | 4.62 | 66.55 | 16.47 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.51 | 66.04 | 16.06 |      | 130.0 |         |
|           |                                                   | Z | 4.58 | 66.23 | 16.20 |      | 130.0 |         |
| 10608-AAA | IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle) | X | 4.79 | 66.93 | 16.63 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.66 | 66.37 | 16.21 |      | 130.0 |         |
|           |                                                   | Z | 4.75 | 66.59 | 16.35 |      | 130.0 |         |
| 10609-AAA | IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle) | X | 4.68 | 66.77 | 16.47 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.55 | 66.20 | 16.03 |      | 130.0 |         |
|           |                                                   | Z | 4.64 | 66.44 | 16.18 |      | 130.0 |         |
| 10610-AAA | IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle) | X | 4.74 | 66.95 | 16.64 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.60 | 66.38 | 16.20 |      | 130.0 |         |
|           |                                                   | Z | 4.69 | 66.60 | 16.35 |      | 130.0 |         |
| 10611-AAA | IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle) | X | 4.65 | 66.74 | 16.48 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.52 | 66.17 | 16.04 |      | 130.0 |         |
|           |                                                   | Z | 4.60 | 66.41 | 16.20 |      | 130.0 |         |
| 10612-AAA | IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle) | X | 4.65 | 66.90 | 16.53 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.51 | 66.29 | 16.07 |      | 130.0 |         |
|           |                                                   | Z | 4.61 | 66.55 | 16.24 |      | 130.0 |         |
| 10613-AAA | IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle) | X | 4.65 | 66.73 | 16.38 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.50 | 66.11 | 15.92 |      | 130.0 |         |
|           |                                                   | Z | 4.60 | 66.39 | 16.10 |      | 130.0 |         |
| 10614-AAA | IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle) | X | 4.61 | 66.99 | 16.66 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.47 | 66.36 | 16.19 |      | 130.0 |         |
|           |                                                   | Z | 4.56 | 66.62 | 16.35 |      | 130.0 |         |
| 10615-AAA | IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle) | X | 4.64 | 66.55 | 16.24 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.51 | 65.98 | 15.80 |      | 130.0 |         |
|           |                                                   | Z | 4.60 | 66.23 | 15.97 |      | 130.0 |         |
| 10616-AAA | IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle) | X | 5.25 | 66.84 | 16.58 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.15 | 66.38 | 16.25 |      | 130.0 |         |
|           |                                                   | Z | 5.21 | 66.57 | 16.34 |      | 130.0 |         |
| 10617-AAA | IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle) | X | 5.31 | 67.01 | 16.64 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.20 | 66.52 | 16.29 |      | 130.0 |         |
|           |                                                   | Z | 5.27 | 66.74 | 16.40 |      | 130.0 |         |
| 10618-AAA | IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle) | X | 5.21 | 67.08 | 16.69 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.11 | 66.58 | 16.34 |      | 130.0 |         |
|           |                                                   | Z | 5.17 | 66.79 | 16.44 |      | 130.0 |         |
| 10619-AAA | IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle) | X | 5.21 | 66.83 | 16.50 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.12 | 66.36 | 16.16 |      | 130.0 |         |
|           |                                                   | Z | 5.18 | 66.56 | 16.26 |      | 130.0 |         |
| 10620-AAA | IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle) | X | 5.29 | 66.84 | 16.55 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.19 | 66.38 | 16.22 |      | 130.0 |         |
|           |                                                   | Z | 5.26 | 66.58 | 16.32 |      | 130.0 |         |
| 10621-AAA | IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle) | X | 5.31 | 67.02 | 16.76 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.21 | 66.53 | 16.42 |      | 130.0 |         |
|           |                                                   | Z | 5.27 | 66.74 | 16.52 |      | 130.0 |         |
| 10622-AAA | IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle) | X | 5.31 | 67.15 | 16.82 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.20 | 66.63 | 16.46 |      | 130.0 |         |
|           |                                                   | Z | 5.27 | 66.85 | 16.57 |      | 130.0 |         |



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|           |                                                     |   |      |       |       |      |       |         |
|-----------|-----------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10623-AAA | IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)   | X | 5.19 | 66.67 | 16.45 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                     | Y | 5.08 | 66.15 | 16.08 |      | 130.0 |         |
|           |                                                     | Z | 5.16 | 66.40 | 16.22 |      | 130.0 |         |
| 10624-AAA | IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)   | X | 5.38 | 66.86 | 16.60 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                     | Y | 5.28 | 66.41 | 16.28 |      | 130.0 |         |
|           |                                                     | Z | 5.34 | 66.61 | 16.38 |      | 130.0 |         |
| 10625-AAA | IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)   | X | 5.62 | 67.45 | 16.95 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                     | Y | 5.40 | 66.65 | 16.46 |      | 130.0 |         |
|           |                                                     | Z | 5.57 | 67.16 | 16.71 |      | 130.0 |         |
| 10626-AAA | IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)   | X | 5.56 | 66.87 | 16.51 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                     | Y | 5.48 | 66.42 | 16.21 |      | 130.0 |         |
|           |                                                     | Z | 5.52 | 66.63 | 16.30 |      | 130.0 |         |
| 10627-AAA | IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)   | X | 5.77 | 67.39 | 16.73 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                     | Y | 5.69 | 66.98 | 16.46 |      | 130.0 |         |
|           |                                                     | Z | 5.73 | 67.13 | 16.52 |      | 130.0 |         |
| 10628-AAA | IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)   | X | 5.56 | 66.89 | 16.42 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                     | Y | 5.47 | 66.40 | 16.09 |      | 130.0 |         |
|           |                                                     | Z | 5.53 | 66.64 | 16.21 |      | 130.0 |         |
| 10629-AAA | IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)   | X | 5.64 | 66.95 | 16.44 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                     | Y | 5.56 | 66.53 | 16.16 |      | 130.0 |         |
|           |                                                     | Z | 5.60 | 66.71 | 16.24 |      | 130.0 |         |
| 10630-AAA | IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)   | X | 5.93 | 68.03 | 16.99 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                     | Y | 5.81 | 67.48 | 16.64 |      | 130.0 |         |
|           |                                                     | Z | 5.88 | 67.74 | 16.75 |      | 130.0 |         |
| 10631-AAA | IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)   | X | 5.92 | 68.13 | 17.23 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                     | Y | 5.80 | 67.56 | 16.87 |      | 130.0 |         |
|           |                                                     | Z | 5.87 | 67.82 | 16.98 |      | 130.0 |         |
| 10632-AAA | IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)   | X | 5.75 | 67.50 | 16.94 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                     | Y | 5.69 | 67.14 | 16.68 |      | 130.0 |         |
|           |                                                     | Z | 5.71 | 67.24 | 16.71 |      | 130.0 |         |
| 10633-AAA | IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)   | X | 5.64 | 67.11 | 16.56 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                     | Y | 5.52 | 66.57 | 16.21 |      | 130.0 |         |
|           |                                                     | Z | 5.60 | 66.85 | 16.34 |      | 130.0 |         |
| 10634-AAA | IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)   | X | 5.63 | 67.16 | 16.65 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                     | Y | 5.53 | 66.68 | 16.33 |      | 130.0 |         |
|           |                                                     | Z | 5.59 | 66.90 | 16.42 |      | 130.0 |         |
| 10635-AAA | IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)   | X | 5.48 | 66.39 | 15.99 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                     | Y | 5.39 | 65.91 | 15.66 |      | 130.0 |         |
|           |                                                     | Z | 5.45 | 66.17 | 15.79 |      | 130.0 |         |
| 10636-AAA | IEEE 1602.11ac WiFi (160MHz, MCS0, 90pc duty cycle) | X | 5.97 | 67.20 | 16.57 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                     | Y | 5.90 | 66.77 | 16.29 |      | 130.0 |         |
|           |                                                     | Z | 5.94 | 66.97 | 16.38 |      | 130.0 |         |
| 10637-AAA | IEEE 1602.11ac WiFi (160MHz, MCS1, 90pc duty cycle) | X | 6.10 | 67.53 | 16.72 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                     | Y | 6.03 | 67.08 | 16.43 |      | 130.0 |         |
|           |                                                     | Z | 6.07 | 67.30 | 16.52 |      | 130.0 |         |
| 10638-AAA | IEEE 1602.11ac WiFi (160MHz, MCS2, 90pc duty cycle) | X | 6.11 | 67.54 | 16.70 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                     | Y | 6.04 | 67.12 | 16.43 |      | 130.0 |         |
|           |                                                     | Z | 6.08 | 67.31 | 16.50 |      | 130.0 |         |

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|           |                                                        |   |       |        |       |      |       |         |
|-----------|--------------------------------------------------------|---|-------|--------|-------|------|-------|---------|
| 10639-AAA | IEEE 1602.11ac WiFi (160MHz, MCS3, 90pc duty cycle)    | X | 6.09  | 67.47  | 16.71 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.01  | 67.02  | 16.42 |      | 130.0 |         |
|           |                                                        | Z | 6.05  | 67.24  | 16.51 |      | 130.0 |         |
| 10640-AAA | IEEE 1602.11ac WiFi (160MHz, MCS4, 90pc duty cycle)    | X | 6.08  | 67.45  | 16.64 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                        | Y | 5.98  | 66.95  | 16.33 |      | 130.0 |         |
|           |                                                        | Z | 6.04  | 67.22  | 16.45 |      | 130.0 |         |
| 10641-AAA | IEEE 1602.11ac WiFi (160MHz, MCS5, 90pc duty cycle)    | X | 6.13  | 67.37  | 16.62 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.06  | 66.97  | 16.36 |      | 130.0 |         |
|           |                                                        | Z | 6.10  | 67.16  | 16.43 |      | 130.0 |         |
| 10642-AAA | IEEE 1602.11ac WiFi (160MHz, MCS6, 90pc duty cycle)    | X | 6.18  | 67.65  | 16.93 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.09  | 67.21  | 16.65 |      | 130.0 |         |
|           |                                                        | Z | 6.14  | 67.42  | 16.73 |      | 130.0 |         |
| 10643-AAA | IEEE 1602.11ac WiFi (160MHz, MCS7, 90pc duty cycle)    | X | 6.01  | 67.31  | 16.66 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                        | Y | 5.93  | 66.88  | 16.37 |      | 130.0 |         |
|           |                                                        | Z | 5.98  | 67.09  | 16.46 |      | 130.0 |         |
| 10644-AAA | IEEE 1602.11ac WiFi (160MHz, MCS8, 90pc duty cycle)    | X | 6.12  | 67.67  | 16.86 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.01  | 67.11  | 16.51 |      | 130.0 |         |
|           |                                                        | Z | 6.08  | 67.43  | 16.65 |      | 130.0 |         |
| 10645-AAA | IEEE 1602.11ac WiFi (160MHz, MCS9, 90pc duty cycle)    | X | 6.23  | 67.62  | 16.79 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.13  | 67.13  | 16.48 |      | 130.0 |         |
|           |                                                        | Z | 6.19  | 67.38  | 16.59 |      | 130.0 |         |
| 10646-AAC | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)  | X | 44.06 | 133.17 | 44.84 | 9.30 | 60.0  | ± 9.6 % |
|           |                                                        | Y | 12.39 | 101.54 | 35.15 |      | 60.0  |         |
|           |                                                        | Z | 58.66 | 138.52 | 46.07 |      | 60.0  |         |
| 10647-AAB | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) | X | 33.76 | 127.67 | 43.54 | 9.30 | 60.0  | ± 9.6 % |
|           |                                                        | Y | 10.83 | 99.05  | 34.46 |      | 60.0  |         |
|           |                                                        | Z | 44.69 | 133.00 | 44.82 |      | 60.0  |         |
| 10648-AAA | CDMA2000 (1x Advanced)                                 | X | 0.82  | 66.98  | 12.55 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                        | Y | 0.58  | 62.24  | 9.25  |      | 150.0 |         |
|           |                                                        | Z | 0.65  | 63.58  | 10.51 |      | 150.0 |         |

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