

**Appendix: Modulation Calibration Parameters**

| UID           | Communication System Name                     |   | A<br>dB | B<br>dB/μV | 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    | 182.9    | ± 3.0 %                          |
|               |   | Y | 0.00    | 0.00       | 1.00   |         | 190.3    |                                  |
|               |   | Z | 0.00    | 0.00       | 1.00   |         | 176.1    |                                  |
| 10010-<br>CAA | SAR Validation (Square, 100ms, 10ms)          | X | 11.00   | 70.00      | 30.00  | 10.00   | 20.0     | ± 9.6 %                          |
|               |   | Y | 1.35    | 61.38      | 6.83   |         | 20.0     |                                  |
|               |   | Z | 1.92    | 65.21      | 9.46   |         | 20.0     |                                  |
| 10011-<br>CAB | UMTS-FDD (WCDMA)                              | X | 1.15    | 67.14      | 15.68  | 0.00    | 150.0    | ± 9.6 %                          |
|               |   | Y | 100.00  | 216.99     | 69.51  |         | 150.0    |                                  |
|               |   | Z | 13.47   | 117.54     | 34.62  |         | 150.0    |                                  |
| 10012-<br>CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)      | X | 1.32    | 63.81      | 15.29  | 0.41    | 150.0    | ± 9.6 %                          |
|               |   | Y | 8.14    | 128.56     | 47.42  |         | 150.0    |                                  |
|               |   | Z | 1.30    | 68.66      | 19.76  |         | 150.0    |                                  |
| 10013-<br>CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps) | X | 4.87    | 66.86      | 17.13  | 1.46    | 150.0    | ± 9.6 %                          |
|               |   | Y | 5.04    | 69.28      | 20.04  |         | 150.0    |                                  |
|               |   | Z | 4.98    | 67.22      | 18.07  |         | 150.0    |                                  |
| 10021-<br>DAC | GSM-FDD (TDMA, GMSK)                          | X | 100.00  | 118.25     | 30.34  | 9.39    | 50.0     | ± 9.6 %                          |
|               |   | Y | 100.00  | 110.03     | 24.78  |         | 50.0     |                                  |
|               |   | Z | 100.00  | 115.56     | 27.47  |         | 50.0     |                                  |
| 10023-<br>DAC | GPRS-FDD (TDMA, GMSK, TN 0)                   | X | 100.00  | 117.75     | 30.17  | 9.57    | 50.0     | ± 9.6 %                          |
|               |   | Y | 100.00  | 109.01     | 24.39  |         | 50.0     |                                  |
|               |   | Z | 100.00  | 114.64     | 27.11  |         | 50.0     |                                  |
| 10024-<br>DAC | GPRS-FDD (TDMA, GMSK, TN 0-1)                 | X | 100.00  | 120.69     | 30.13  | 6.56    | 60.0     | ± 9.6 %                          |
|               |   | Y | 100.00  | 126.91     | 30.65  |         | 60.0     |                                  |
|               |   | Z | 100.00  | 125.28     | 30.48  |         | 60.0     |                                  |
| 10025-<br>DAC | EDGE-FDD (TDMA, 8PSK, TN 0)                   | X | 24.11   | 122.63     | 48.01  | 12.57   | 50.0     | ± 9.6 %                          |
|               |   | Y | 4.60    | 78.41      | 33.03  |         | 50.0     |                                  |
|               |   | Z | 4.28    | 74.19      | 30.01  |         | 50.0     |                                  |
| 10026-<br>DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1)                 | X | 9.91    | 93.59      | 33.79  | 9.56    | 60.0     | ± 9.6 %                          |
|               |   | Y | 18.52   | 123.39     | 47.38  |         | 60.0     |                                  |
|               |   | Z | 9.47    | 98.14      | 37.01  |         | 60.0     |                                  |
| 10027-<br>DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2)               | X | 100.00  | 125.06     | 31.17  | 4.80    | 80.0     | ± 9.6 %                          |
|               |   | Y | 100.00  | 479.59     | 170.55 |         | 80.0     |                                  |
|               |   | Z | 100.00  | 147.30     | 38.75  |         | 80.0     |                                  |
| 10028-<br>DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)             | X | 100.00  | 130.95     | 32.97  | 3.55    | 100.0    | ± 9.6 %                          |
|               |   | Y | 0.12    | 60.00      | 30.00  |         | 100.0    |                                  |
|               |   | Z | 100.00  | 195.98     | 57.32  |         | 100.0    |                                  |
| 10029-<br>DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2)               | X | 5.53    | 79.72      | 27.05  | 7.80    | 80.0     | ± 9.6 %                          |
|               |   | Y | 6.59    | 94.20      | 36.35  |         | 80.0     |                                  |
|               |   | Z | 5.37    | 83.49      | 30.07  |         | 80.0     |                                  |
| 10030-<br>CAA | IEEE 802.15.1 Bluetooth (GFSK, DH1)           | X | 100.00  | 120.91     | 29.62  | 5.30    | 70.0     | ± 9.6 %                          |
|               |   | Y | 100.00  | 196.62     | 58.60  |         | 70.0     |                                  |
|               |   | Z | 100.00  | 130.24     | 32.03  |         | 70.0     |                                  |
| 10031-<br>CAA | IEEE 802.15.1 Bluetooth (GFSK, DH3)           | X | 100.00  | 139.36     | 35.10  | 1.88    | 100.0    | ± 9.6 %                          |
|               |   | Y | 0.07    | 60.00      | 30.00  |         | 100.0    |                                  |
|               |   | Z | 99.99   | 150.00     | 30.00  |         | 100.0    |                                  |

|           |   |   |        |        |        |       |       |         |
|-----------|---|---|--------|--------|--------|-------|-------|---------|
| 10032-CAA | IEEE 802.15.1 Bluetooth (GFSK, DH5)                 | X | 97.94  | 152.13 | 39.63  | 1.17  | 100.0 | ± 9.6 % |
|           |   | Y | 0.06   | 60.00  | 30.00  |       | 100.0 |         |
|           |   | Z | 0.05   | 60.00  | 30.00  |       | 100.0 |         |
| 10033-CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)           | X | 7.66   | 86.59  | 22.86  | 5.30  | 70.0  | ± 9.6 % |
|           |   | Y | 100.00 | 149.72 | 43.17  |       | 70.0  |         |
|           |   | Z | 100.00 | 144.67 | 41.53  |       | 70.0  |         |
| 10034-CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)           | X | 2.79   | 75.44  | 17.50  | 1.88  | 100.0 | ± 9.6 % |
|           |   | Y | 100.00 | 170.78 | 50.20  |       | 100.0 |         |
|           |   | Z | 100.00 | 143.95 | 39.60  |       | 100.0 |         |
| 10035-CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)           | X | 2.09   | 72.81  | 16.27  | 1.17  | 100.0 | ± 9.6 % |
|           |   | Y | 100.00 | 180.10 | 53.53  |       | 100.0 |         |
|           |   | Z | 100.00 | 143.34 | 38.92  |       | 100.0 |         |
| 10036-CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH1)               | X | 9.07   | 89.46  | 23.88  | 5.30  | 70.0  | ± 9.6 % |
|           |   | Y | 100.00 | 150.95 | 43.71  |       | 70.0  |         |
|           |   | Z | 100.00 | 145.42 | 41.88  |       | 70.0  |         |
| 10037-CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH3)               | X | 2.56   | 74.36  | 17.07  | 1.88  | 100.0 | ± 9.6 % |
|           |   | Y | 100.00 | 172.04 | 50.66  |       | 100.0 |         |
|           |   | Z | 100.00 | 144.18 | 39.64  |       | 100.0 |         |
| 10038-CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH5)               | X | 2.07   | 72.81  | 16.39  | 1.17  | 100.0 | ± 9.6 % |
|           |   | Y | 100.00 | 183.38 | 54.93  |       | 100.0 |         |
|           |   | Z | 100.00 | 144.60 | 39.47  |       | 100.0 |         |
| 10039-CAB | CDMA2000 (1xRTT, RC1)                               | X | 1.85   | 72.59  | 15.95  | 0.00  | 150.0 | ± 9.6 % |
|           |   | Y | 100.00 | 175.27 | 51.06  |       | 150.0 |         |
|           |   | Z | 100.00 | 134.81 | 35.14  |       | 150.0 |         |
| 10042-CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) | X | 100.00 | 117.39 | 29.00  | 7.78  | 50.0  | ± 9.6 % |
|           |   | Y | 100.00 | 104.70 | 21.46  |       | 50.0  |         |
|           |   | Z | 100.00 | 112.98 | 25.44  |       | 50.0  |         |
| 10044-CAA | IS-91/EIA/TIA-553 FDD (FDMA, FM)                    | X | 0.13   | 60.00  | 15.99  | 0.00  | 150.0 | ± 9.6 % |
|           |   | Y | 0.00   | 60.00  | 0.00   |       | 150.0 |         |
|           |   | Z | 0.00   | 128.20 | 45.27  |       | 150.0 |         |
| 10048-CAA | DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)           | X | 28.69  | 95.37  | 25.31  | 13.80 | 25.0  | ± 9.6 % |
|           |   | Y | 100.00 | 103.96 | 23.93  |       | 25.0  |         |
|           |   | Z | 100.00 | 108.81 | 26.14  |       | 25.0  |         |
| 10049-CAA | DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)         | X | 67.71  | 110.77 | 28.63  | 10.79 | 40.0  | ± 9.6 % |
|           |   | Y | 100.00 | 106.44 | 23.68  |       | 40.0  |         |
|           |   | Z | 260.43 | 123.05 | 28.63  |       | 40.0  |         |
| 10056-CAA | UMTS-TDD (TD-SCDMA, 1.28 Mcps)                      | X | 23.23  | 98.98  | 27.11  | 9.03  | 50.0  | ± 9.6 % |
|           |   | Y | 100.00 | 126.19 | 33.96  |       | 50.0  |         |
|           |   | Z | 100.00 | 130.47 | 36.35  |       | 50.0  |         |
| 10058-DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)                   | X | 4.23   | 74.26  | 23.86  | 6.55  | 100.0 | ± 9.6 % |
|           |   | Y | 4.66   | 85.66  | 32.29  |       | 100.0 |         |
|           |   | Z | 4.14   | 77.76  | 26.79  |       | 100.0 |         |
| 10059-CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)            | X | 1.34   | 64.54  | 15.70  | 0.61  | 110.0 | ± 9.6 % |
|           |   | Y | 100.00 | 203.81 | 66.88  |       | 110.0 |         |
|           |   | Z | 1.40   | 71.11  | 21.17  |       | 110.0 |         |
| 10060-CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)          | X | 2.40   | 81.52  | 22.07  | 1.30  | 110.0 | ± 9.6 % |
|           |   | Y | 100.00 | 335.12 | 116.68 |       | 110.0 |         |
|           |   | Z | 100.00 | 175.52 | 51.30  |       | 110.0 |         |

|           |  |   |        |        |       |      |       |         |
|-----------|--|---|--------|--------|-------|------|-------|---------|
| 10061-CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)      | X | 2.14   | 73.59  | 19.82 | 2.04 | 110.0 | ± 9.6 % |
|           |  | Y | 100.00 | 209.14 | 68.58 |      | 110.0 |         |
|           |  | Z | 100.00 | 164.99 | 49.53 |      | 110.0 |         |
| 10062-CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)       | X | 4.67   | 66.83  | 16.58 | 0.49 | 100.0 | ± 9.6 % |
|           |  | Y | 4.94   | 69.77  | 19.74 |      | 100.0 |         |
|           |  | Z | 4.83   | 67.37  | 17.56 |      | 100.0 |         |
| 10063-CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)       | X | 4.68   | 66.91  | 16.66 | 0.72 | 100.0 | ± 9.6 % |
|           |  | Y | 4.97   | 69.94  | 19.88 |      | 100.0 |         |
|           |  | Z | 4.84   | 67.48  | 17.68 |      | 100.0 |         |
| 10064-CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)      | X | 4.92   | 67.11  | 16.86 | 0.86 | 100.0 | ± 9.6 % |
|           |  | Y | 5.20   | 69.91  | 19.90 |      | 100.0 |         |
|           |  | Z | 5.15   | 67.73  | 17.88 |      | 100.0 |         |
| 10065-CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)      | X | 4.80   | 66.96  | 16.93 | 1.21 | 100.0 | ± 9.6 % |
|           |  | Y | 5.05   | 69.80  | 20.06 |      | 100.0 |         |
|           |  | Z | 5.00   | 67.63  | 18.00 |      | 100.0 |         |
| 10066-CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)      | X | 4.81   | 66.96  | 17.07 | 1.46 | 100.0 | ± 9.6 % |
|           |  | Y | 5.03   | 69.72  | 20.18 |      | 100.0 |         |
|           |  | Z | 5.01   | 67.62  | 18.17 |      | 100.0 |         |
| 10067-CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)      | X | 5.11   | 67.25  | 17.56 | 2.04 | 100.0 | ± 9.6 % |
|           |  | Y | 5.28   | 69.64  | 20.42 |      | 100.0 |         |
|           |  | Z | 5.27   | 67.63  | 18.52 |      | 100.0 |         |
| 10068-CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)      | X | 5.15   | 67.19  | 17.73 | 2.55 | 100.0 | ± 9.6 % |
|           |  | Y | 5.27   | 69.40  | 20.50 |      | 100.0 |         |
|           |  | Z | 5.32   | 67.71  | 18.76 |      | 100.0 |         |
| 10069-CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)      | X | 5.22   | 67.25  | 17.93 | 2.67 | 100.0 | ± 9.6 % |
|           |  | Y | 5.32   | 69.35  | 20.65 |      | 100.0 |         |
|           |  | Z | 5.39   | 67.63  | 18.91 |      | 100.0 |         |
| 10071-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)  | X | 4.97   | 66.94  | 17.42 | 1.99 | 100.0 | ± 9.6 % |
|           |  | Y | 5.09   | 69.17  | 20.23 |      | 100.0 |         |
|           |  | Z | 5.06   | 67.25  | 18.35 |      | 100.0 |         |
| 10072-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps) | X | 4.93   | 67.18  | 17.61 | 2.30 | 100.0 | ± 9.6 % |
|           |  | Y | 5.09   | 69.69  | 20.59 |      | 100.0 |         |
|           |  | Z | 5.05   | 67.65  | 18.62 |      | 100.0 |         |
| 10073-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps) | X | 5.01   | 67.39  | 17.95 | 2.83 | 100.0 | ± 9.6 % |
|           |  | Y | 5.13   | 69.81  | 20.90 |      | 100.0 |         |
|           |  | Z | 5.08   | 67.74  | 18.93 |      | 100.0 |         |
| 10074-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps) | X | 5.03   | 67.37  | 18.12 | 3.30 | 100.0 | ± 9.6 % |
|           |  | Y | 5.08   | 69.54  | 20.94 |      | 100.0 |         |
|           |  | Z | 5.03   | 67.52  | 19.03 |      | 100.0 |         |
| 10075-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps) | X | 5.07   | 67.44  | 18.41 | 3.82 | 90.0  | ± 9.6 % |
|           |  | Y | 5.07   | 69.45  | 21.15 |      | 90.0  |         |
|           |  | Z | 5.05   | 67.62  | 19.36 |      | 90.0  |         |
| 10076-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps) | X | 5.12   | 67.36  | 18.60 | 4.15 | 90.0  | ± 9.6 % |
|           |  | Y | 5.05   | 69.03  | 21.16 |      | 90.0  |         |
|           |  | Z | 5.02   | 67.23  | 19.38 |      | 90.0  |         |
| 10077-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps) | X | 5.15   | 67.48  | 18.73 | 4.30 | 90.0  | ± 9.6 % |
|           |  | Y | 5.08   | 69.11  | 21.25 |      | 90.0  |         |
|           |  | Z | 5.04   | 67.26  | 19.46 |      | 90.0  |         |

|           |   |   |        |        |       |      |       |         |
|-----------|---|---|--------|--------|-------|------|-------|---------|
| 10081-CAB | CDMA2000 (1xRTT, RC3)                               | X | 0.98   | 67.39  | 13.56 | 0.00 | 150.0 | ± 9.6 % |
|           |   | Y | 100.00 | 268.60 | 86.44 |      | 150.0 |         |
|           |   | Z | 100.00 | 140.60 | 36.25 |      | 150.0 |         |
| 10082-CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate) | X | 0.96   | 61.09  | 6.58  | 4.77 | 80.0  | ± 9.6 % |
|           |   | Y | 0.08   | 145.72 | 12.60 |      | 80.0  |         |
|           |   | Z | 2.70   | 64.54  | 4.89  |      | 80.0  |         |
| 10090-DAC | GPRS-FDD (TDMA, GMSK, TN 0-4)                       | X | 100.00 | 120.61 | 30.11 | 6.56 | 60.0  | ± 9.6 % |
|           |   | Y | 100.00 | 127.43 | 30.91 |      | 60.0  |         |
|           |   | Z | 100.00 | 125.37 | 30.55 |      | 60.0  |         |
| 10097-CAB | UMTS-FDD (HSDPA)                                    | X | 1.96   | 68.20  | 16.00 | 0.00 | 150.0 | ± 9.6 % |
|           |   | Y | 100.00 | 158.98 | 47.61 |      | 150.0 |         |
|           |   | Z | 2.97   | 77.93  | 21.56 |      | 150.0 |         |
| 10098-CAB | UMTS-FDD (HSUPA, Subtest 2)                         | X | 1.93   | 68.14  | 15.98 | 0.00 | 150.0 | ± 9.6 % |
|           |   | Y | 100.00 | 160.08 | 48.01 |      | 150.0 |         |
|           |   | Z | 2.95   | 78.23  | 21.69 |      | 150.0 |         |
| 10099-DAC | EDGE-FDD (TDMA, 8PSK, TN 0-4)                       | X | 9.97   | 93.70  | 33.82 | 9.56 | 60.0  | ± 9.6 % |
|           |   | Y | 18.92  | 123.97 | 47.55 |      | 60.0  |         |
|           |   | Z | 9.57   | 98.41  | 37.10 |      | 60.0  |         |
| 10100-CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)            | X | 3.10   | 69.89  | 16.90 | 0.00 | 150.0 | ± 9.6 % |
|           |   | Y | 100.00 | 142.36 | 42.01 |      | 150.0 |         |
|           |   | Z | 4.57   | 77.73  | 20.76 |      | 150.0 |         |
| 10101-CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)          | X | 3.27   | 67.42  | 16.09 | 0.00 | 150.0 | ± 9.6 % |
|           |   | Y | 5.41   | 81.04  | 24.37 |      | 150.0 |         |
|           |   | Z | 3.67   | 70.29  | 18.08 |      | 150.0 |         |
| 10102-CAE | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)          | X | 3.37   | 67.42  | 16.17 | 0.00 | 150.0 | ± 9.6 % |
|           |   | Y | 5.17   | 79.39  | 23.76 |      | 150.0 |         |
|           |   | Z | 3.74   | 70.00  | 18.04 |      | 150.0 |         |
| 10103-CAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)            | X | 6.34   | 75.72  | 20.70 | 3.98 | 65.0  | ± 9.6 % |
|           |   | Y | 11.34  | 93.43  | 29.74 |      | 65.0  |         |
|           |   | Z | 6.86   | 79.59  | 23.23 |      | 65.0  |         |
| 10104-CAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)          | X | 6.17   | 73.27  | 20.31 | 3.98 | 65.0  | ± 9.6 % |
|           |   | Y | 6.54   | 79.22  | 25.10 |      | 65.0  |         |
|           |   | Z | 5.98   | 74.59  | 21.93 |      | 65.0  |         |
| 10105-CAG | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)          | X | 6.14   | 73.03  | 20.50 | 3.98 | 65.0  | ± 9.6 % |
|           |   | Y | 6.17   | 77.48  | 24.57 |      | 65.0  |         |
|           |   | Z | 5.62   | 73.01  | 21.49 |      | 65.0  |         |
| 10108-CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)            | X | 2.70   | 69.19  | 16.71 | 0.00 | 150.0 | ± 9.6 % |
|           |   | Y | 100.00 | 147.33 | 43.88 |      | 150.0 |         |
|           |   | Z | 4.03   | 77.32  | 20.88 |      | 150.0 |         |
| 10109-CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)          | X | 2.91   | 67.36  | 15.96 | 0.00 | 150.0 | ± 9.6 % |
|           |   | Y | 7.00   | 89.30  | 27.63 |      | 150.0 |         |
|           |   | Z | 3.38   | 70.77  | 18.36 |      | 150.0 |         |
| 10110-CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)             | X | 2.20   | 68.47  | 16.29 | 0.00 | 150.0 | ± 9.6 % |
|           |   | Y | 100.00 | 154.17 | 46.09 |      | 150.0 |         |
|           |   | Z | 3.51   | 77.96  | 21.32 |      | 150.0 |         |
| 10111-CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)           | X | 2.63   | 68.40  | 16.20 | 0.00 | 150.0 | ± 9.6 % |
|           |   | Y | 100.00 | 146.51 | 43.54 |      | 150.0 |         |
|           |   | Z | 3.37   | 73.66  | 19.68 |      | 150.0 |         |

|           |  |   |        |        |       |      |       |         |
|-----------|--|---|--------|--------|-------|------|-------|---------|
| 10112-CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)     | X | 3.04   | 67.42  | 16.03 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 6.33   | 86.22  | 26.47 |      | 150.0 |         |
|           |  | Z | 3.47   | 70.42  | 18.24 |      | 150.0 |         |
| 10113-CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)      | X | 2.77   | 68.55  | 16.31 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 100.00 | 145.16 | 43.16 |      | 150.0 |         |
|           |  | Z | 3.48   | 73.29  | 19.55 |      | 150.0 |         |
| 10114-CAC | IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)  | X | 5.13   | 67.26  | 16.58 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 5.49   | 70.06  | 19.49 |      | 150.0 |         |
|           |  | Z | 5.32   | 67.96  | 17.43 |      | 150.0 |         |
| 10115-CAC | IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)  | X | 5.38   | 67.34  | 16.61 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 5.80   | 70.16  | 19.48 |      | 150.0 |         |
|           |  | Z | 5.63   | 68.08  | 17.48 |      | 150.0 |         |
| 10116-CAC | IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM) | X | 5.21   | 67.45  | 16.60 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 5.64   | 70.43  | 19.57 |      | 150.0 |         |
|           |  | Z | 5.45   | 68.24  | 17.49 |      | 150.0 |         |
| 10117-CAC | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)       | X | 5.12   | 67.21  | 16.57 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 5.47   | 69.94  | 19.45 |      | 150.0 |         |
|           |  | Z | 5.28   | 67.79  | 17.36 |      | 150.0 |         |
| 10118-CAC | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)       | X | 5.45   | 67.52  | 16.71 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 6.03   | 70.88  | 19.83 |      | 150.0 |         |
|           |  | Z | 5.79   | 68.53  | 17.71 |      | 150.0 |         |
| 10119-CAC | IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)      | X | 5.21   | 67.44  | 16.61 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 5.72   | 70.73  | 19.73 |      | 150.0 |         |
|           |  | Z | 5.43   | 68.21  | 17.49 |      | 150.0 |         |
| 10140-CAE | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)     | X | 3.39   | 67.46  | 16.10 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 5.27   | 79.54  | 23.68 |      | 150.0 |         |
|           |  | Z | 3.78   | 69.96  | 17.93 |      | 150.0 |         |
| 10141-CAE | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)     | X | 3.52   | 67.59  | 16.26 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 5.20   | 78.65  | 23.40 |      | 150.0 |         |
|           |  | Z | 3.88   | 69.88  | 18.01 |      | 150.0 |         |
| 10142-CAE | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)        | X | 1.98   | 68.60  | 15.86 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 100.00 | 156.00 | 46.00 |      | 150.0 |         |
|           |  | Z | 3.90   | 81.59  | 22.46 |      | 150.0 |         |
| 10143-CAE | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)      | X | 2.47   | 69.21  | 15.74 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 100.00 | 143.49 | 41.14 |      | 150.0 |         |
|           |  | Z | 3.95   | 77.99  | 20.86 |      | 150.0 |         |
| 10144-CAE | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)      | X | 2.20   | 66.71  | 13.99 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 100.00 | 137.29 | 38.21 |      | 150.0 |         |
|           |  | Z | 3.05   | 72.40  | 17.90 |      | 150.0 |         |
| 10145-CAF | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)      | X | 1.17   | 64.72  | 11.17 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 100.00 | 137.82 | 35.15 |      | 150.0 |         |
|           |  | Z | 14.17  | 100.72 | 25.63 |      | 150.0 |         |
| 10146-CAF | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)    | X | 9.35   | 88.35  | 20.34 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 100.00 | 121.34 | 29.35 |      | 150.0 |         |
|           |  | Z | 100.00 | 120.70 | 29.90 |      | 150.0 |         |
| 10147-CAF | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)    | X | 100.00 | 118.16 | 28.11 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 100.00 | 123.93 | 30.58 |      | 150.0 |         |
|           |  | Z | 100.00 | 122.09 | 30.61 |      | 150.0 |         |

|           |  |   |        |        |       |      |       |         |
|-----------|--|---|--------|--------|-------|------|-------|---------|
| 10149-CAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)  | X | 2.92   | 67.41  | 16.01 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 7.11   | 89.66  | 27.79 |      | 150.0 |         |
|           |  | Z | 3.39   | 70.87  | 18.42 |      | 150.0 |         |
| 10150-CAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)  | X | 3.04   | 67.47  | 16.07 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 6.40   | 86.49  | 26.60 |      | 150.0 |         |
|           |  | Z | 3.48   | 70.50  | 18.29 |      | 150.0 |         |
| 10151-CAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)    | X | 6.38   | 77.45  | 21.42 | 3.98 | 65.0  | ± 9.6 % |
|           |  | Y | 30.78  | 118.12 | 37.83 |      | 65.0  |         |
|           |  | Z | 7.72   | 84.02  | 25.22 |      | 65.0  |         |
| 10152-CAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)  | X | 5.68   | 73.18  | 19.88 | 3.98 | 65.0  | ± 9.6 % |
|           |  | Y | 6.90   | 82.70  | 26.24 |      | 65.0  |         |
|           |  | Z | 5.64   | 75.17  | 21.99 |      | 65.0  |         |
| 10153-CAG | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)  | X | 6.05   | 74.13  | 20.62 | 3.98 | 65.0  | ± 9.6 % |
|           |  | Y | 7.36   | 83.86  | 27.11 |      | 65.0  |         |
|           |  | Z | 5.95   | 75.97  | 22.70 |      | 65.0  |         |
| 10154-CAG | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)    | X | 2.23   | 68.75  | 16.47 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 100.00 | 154.70 | 46.35 |      | 150.0 |         |
|           |  | Z | 3.72   | 79.10  | 21.86 |      | 150.0 |         |
| 10155-CAG | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)  | X | 2.64   | 68.43  | 16.23 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 100.00 | 146.60 | 43.58 |      | 150.0 |         |
|           |  | Z | 3.37   | 73.67  | 19.69 |      | 150.0 |         |
| 10156-CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)     | X | 1.81   | 68.60  | 15.53 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 100.00 | 158.65 | 46.50 |      | 150.0 |         |
|           |  | Z | 4.86   | 86.74  | 24.11 |      | 150.0 |         |
| 10157-CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)   | X | 2.04   | 67.24  | 13.96 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 100.00 | 138.28 | 38.00 |      | 150.0 |         |
|           |  | Z | 3.49   | 76.44  | 19.40 |      | 150.0 |         |
| 10158-CAG | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)  | X | 2.78   | 68.62  | 16.36 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 100.00 | 145.31 | 43.23 |      | 150.0 |         |
|           |  | Z | 3.50   | 73.41  | 19.62 |      | 150.0 |         |
| 10159-CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   | X | 2.12   | 67.57  | 14.15 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 100.00 | 138.27 | 38.10 |      | 150.0 |         |
|           |  | Z | 3.75   | 77.32  | 19.82 |      | 150.0 |         |
| 10160-CAE | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)    | X | 2.75   | 68.61  | 16.52 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 100.00 | 145.25 | 43.24 |      | 150.0 |         |
|           |  | Z | 3.71   | 74.81  | 20.04 |      | 150.0 |         |
| 10161-CAE | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)  | X | 2.93   | 67.45  | 15.96 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 7.41   | 90.31  | 27.93 |      | 150.0 |         |
|           |  | Z | 3.39   | 70.63  | 18.34 |      | 150.0 |         |
| 10162-CAE | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)  | X | 3.04   | 67.65  | 16.09 | 0.00 | 150.0 | ± 9.6 % |
|           |  | Y | 7.27   | 89.25  | 27.52 |      | 150.0 |         |
|           |  | Z | 3.49   | 70.61  | 18.35 |      | 150.0 |         |
| 10166-CAF | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)   | X | 3.25   | 68.78  | 19.90 | 3.01 | 150.0 | ± 9.6 % |
|           |  | Y | 5.76   | 85.66  | 29.21 |      | 150.0 |         |
|           |  | Z | 3.95   | 72.47  | 21.60 |      | 150.0 |         |
| 10167-CAF | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | X | 3.43   | 70.84  | 20.33 | 3.01 | 150.0 | ± 9.6 % |
|           |  | Y | 13.83  | 102.81 | 33.84 |      | 150.0 |         |
|           |  | Z | 5.17   | 76.77  | 22.54 |      | 150.0 |         |

|           |  |   |        |        |       |      |       |         |
|-----------|--|---|--------|--------|-------|------|-------|---------|
| 10168-CAF | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | X | 3.73   | 72.85  | 21.65 | 3.01 | 150.0 | ± 9.6 % |
|           |  | Y | 29.00  | 120.66 | 39.75 |      | 150.0 |         |
|           |  | Z | 6.02   | 80.26  | 24.36 |      | 150.0 |         |
| 10169-CAE | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)      | X | 2.39   | 65.72  | 18.67 | 3.01 | 150.0 | ± 9.6 % |
|           |  | Y | 4.79   | 85.18  | 29.52 |      | 150.0 |         |
|           |  | Z | 3.29   | 72.66  | 21.97 |      | 150.0 |         |
| 10170-CAE | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)    | X | 2.43   | 68.34  | 20.24 | 3.01 | 150.0 | ± 9.6 % |
|           |  | Y | 31.37  | 128.86 | 43.10 |      | 150.0 |         |
|           |  | Z | 5.45   | 83.37  | 26.16 |      | 150.0 |         |
| 10171-AAE | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)    | X | 2.19   | 66.35  | 18.30 | 3.01 | 150.0 | ± 9.6 % |
|           |  | Y | 11.64  | 103.05 | 34.00 |      | 150.0 |         |
|           |  | Z | 4.06   | 76.52  | 22.29 |      | 150.0 |         |
| 10172-CAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)      | X | 4.72   | 83.25  | 27.75 | 6.02 | 65.0  | ± 9.6 % |
|           |  | Y | 100.00 | 168.92 | 55.74 |      | 65.0  |         |
|           |  | Z | 20.60  | 118.40 | 39.79 |      | 65.0  |         |
| 10173-CAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)    | X | 6.53   | 90.17  | 28.92 | 6.02 | 65.0  | ± 9.6 % |
|           |  | Y | 100.00 | 154.09 | 48.32 |      | 65.0  |         |
|           |  | Z | 100.00 | 143.61 | 43.42 |      | 65.0  |         |
| 10174-CAG | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)    | X | 6.38   | 89.02  | 27.96 | 6.02 | 65.0  | ± 9.6 % |
|           |  | Y | 100.00 | 150.07 | 46.22 |      | 65.0  |         |
|           |  | Z | 100.00 | 140.29 | 41.73 |      | 65.0  |         |
| 10175-CAG | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)      | X | 2.38   | 65.57  | 18.50 | 3.01 | 150.0 | ± 9.6 % |
|           |  | Y | 4.68   | 84.38  | 29.06 |      | 150.0 |         |
|           |  | Z | 3.23   | 72.21  | 21.65 |      | 150.0 |         |
| 10176-CAG | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)    | X | 2.43   | 68.36  | 20.25 | 3.01 | 150.0 | ± 9.6 % |
|           |  | Y | 31.64  | 129.04 | 43.15 |      | 150.0 |         |
|           |  | Z | 5.46   | 83.41  | 26.18 |      | 150.0 |         |
| 10177-CAI | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)       | X | 2.39   | 65.66  | 18.56 | 3.01 | 150.0 | ± 9.6 % |
|           |  | Y | 4.73   | 84.67  | 29.20 |      | 150.0 |         |
|           |  | Z | 3.27   | 72.44  | 21.78 |      | 150.0 |         |
| 10178-CAG | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)     | X | 2.42   | 68.28  | 20.19 | 3.01 | 150.0 | ± 9.6 % |
|           |  | Y | 29.59  | 127.38 | 42.66 |      | 150.0 |         |
|           |  | Z | 5.36   | 82.95  | 25.97 |      | 150.0 |         |
| 10179-CAG | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)    | X | 2.30   | 67.45  | 19.26 | 3.01 | 150.0 | ± 9.6 % |
|           |  | Y | 20.22  | 116.68 | 38.77 |      | 150.0 |         |
|           |  | Z | 4.72   | 79.90  | 24.13 |      | 150.0 |         |
| 10180-CAG | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)     | X | 2.19   | 66.34  | 18.28 | 3.01 | 150.0 | ± 9.6 % |
|           |  | Y | 11.48  | 102.68 | 33.86 |      | 150.0 |         |
|           |  | Z | 4.04   | 76.38  | 22.21 |      | 150.0 |         |
| 10181-CAE | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)      | X | 2.39   | 65.64  | 18.56 | 3.01 | 150.0 | ± 9.6 % |
|           |  | Y | 4.72   | 84.64  | 29.19 |      | 150.0 |         |
|           |  | Z | 3.26   | 72.41  | 21.77 |      | 150.0 |         |
| 10182-CAE | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)    | X | 2.42   | 68.26  | 20.18 | 3.01 | 150.0 | ± 9.6 % |
|           |  | Y | 29.40  | 127.23 | 42.62 |      | 150.0 |         |
|           |  | Z | 5.34   | 82.91  | 25.95 |      | 150.0 |         |
| 10183-AAD | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)    | X | 2.19   | 66.32  | 18.27 | 3.01 | 150.0 | ± 9.6 % |
|           |  | Y | 11.41  | 102.56 | 33.82 |      | 150.0 |         |
|           |  | Z | 4.03   | 76.34  | 22.20 |      | 150.0 |         |