

|           |                                                    |   |      |       |       |      |       |         |
|-----------|----------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10541-AAB | IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)  | X | 4.91 | 66.49 | 16.15 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 4.79 | 65.98 | 15.80 |      | 150.0 |         |
|           |                                                    | Z | 4.96 | 66.36 | 16.10 |      | 150.0 |         |
| 10542-AAB | IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)  | X | 5.06 | 66.58 | 16.21 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 4.94 | 66.09 | 15.88 |      | 150.0 |         |
|           |                                                    | Z | 5.12 | 66.47 | 16.17 |      | 150.0 |         |
| 10543-AAB | IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)  | X | 5.14 | 66.68 | 16.29 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.03 | 66.24 | 15.99 |      | 150.0 |         |
|           |                                                    | Z | 5.19 | 66.54 | 16.23 |      | 150.0 |         |
| 10544-AAB | IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)  | X | 5.28 | 66.57 | 16.12 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.18 | 66.09 | 15.82 |      | 150.0 |         |
|           |                                                    | Z | 5.33 | 66.48 | 16.09 |      | 150.0 |         |
| 10545-AAB | IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)  | X | 5.45 | 67.01 | 16.30 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.36 | 66.59 | 16.03 |      | 150.0 |         |
|           |                                                    | Z | 5.51 | 66.94 | 16.28 |      | 150.0 |         |
| 10546-AAB | IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)  | X | 5.31 | 66.69 | 16.15 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.20 | 66.20 | 15.84 |      | 150.0 |         |
|           |                                                    | Z | 5.36 | 66.61 | 16.13 |      | 150.0 |         |
| 10547-AAB | IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)  | X | 5.40 | 66.83 | 16.22 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.31 | 66.43 | 15.96 |      | 150.0 |         |
|           |                                                    | Z | 5.44 | 66.72 | 16.18 |      | 150.0 |         |
| 10548-AAB | IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)  | X | 5.51 | 67.38 | 16.47 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.42 | 66.93 | 16.18 |      | 150.0 |         |
|           |                                                    | Z | 5.60 | 67.41 | 16.50 |      | 150.0 |         |
| 10550-AAB | IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)  | X | 5.38 | 66.92 | 16.28 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.30 | 66.54 | 16.03 |      | 150.0 |         |
|           |                                                    | Z | 5.43 | 66.80 | 16.24 |      | 150.0 |         |
| 10551-AAB | IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)  | X | 5.30 | 66.65 | 16.11 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.18 | 66.14 | 15.79 |      | 150.0 |         |
|           |                                                    | Z | 5.36 | 66.58 | 16.09 |      | 150.0 |         |
| 10552-AAB | IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)  | X | 5.29 | 66.71 | 16.14 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.18 | 66.21 | 15.82 |      | 150.0 |         |
|           |                                                    | Z | 5.34 | 66.59 | 16.09 |      | 150.0 |         |
| 10553-AAB | IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)  | X | 5.34 | 66.63 | 16.13 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.23 | 66.15 | 15.82 |      | 150.0 |         |
|           |                                                    | Z | 5.39 | 66.55 | 16.10 |      | 150.0 |         |
| 10554-AAC | IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle) | X | 5.71 | 66.89 | 16.19 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.61 | 66.45 | 15.92 |      | 150.0 |         |
|           |                                                    | Z | 5.75 | 66.82 | 16.17 |      | 150.0 |         |
| 10555-AAC | IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle) | X | 5.79 | 67.09 | 16.28 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.70 | 66.66 | 16.01 |      | 150.0 |         |
|           |                                                    | Z | 5.85 | 67.06 | 16.28 |      | 150.0 |         |
| 10556-AAC | IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle) | X | 5.83 | 67.23 | 16.33 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.75 | 66.83 | 16.09 |      | 150.0 |         |
|           |                                                    | Z | 5.89 | 67.17 | 16.32 |      | 150.0 |         |
| 10557-AAC | IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle) | X | 5.79 | 67.09 | 16.28 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.69 | 66.64 | 16.01 |      | 150.0 |         |
|           |                                                    | Z | 5.84 | 67.03 | 16.27 |      | 150.0 |         |

|           |                                                                 |   |      |       |       |      |       |         |
|-----------|-----------------------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10558-AAC | IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)              | X | 5.78 | 67.10 | 16.31 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 5.67 | 66.62 | 16.02 |      | 150.0 |         |
|           |                                                                 | Z | 5.86 | 67.11 | 16.33 |      | 150.0 |         |
| 10560-AAC | IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)              | X | 5.81 | 67.06 | 16.32 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 5.71 | 66.60 | 16.04 |      | 150.0 |         |
|           |                                                                 | Z | 5.87 | 67.02 | 16.32 |      | 150.0 |         |
| 10561-AAC | IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)              | X | 5.75 | 67.04 | 16.35 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 5.65 | 66.60 | 16.07 |      | 150.0 |         |
|           |                                                                 | Z | 5.80 | 67.01 | 16.35 |      | 150.0 |         |
| 10562-AAC | IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)              | X | 5.79 | 67.18 | 16.42 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 5.68 | 66.71 | 16.13 |      | 150.0 |         |
|           |                                                                 | Z | 5.86 | 67.19 | 16.44 |      | 150.0 |         |
| 10563-AAC | IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)              | X | 5.90 | 67.20 | 16.39 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 5.81 | 66.78 | 16.13 |      | 150.0 |         |
|           |                                                                 | Z | 5.95 | 67.14 | 16.38 |      | 150.0 |         |
| 10564-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)  | X | 4.64 | 67.04 | 16.41 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.52 | 66.54 | 16.05 |      | 150.0 |         |
|           |                                                                 | Z | 4.70 | 66.90 | 16.40 |      | 150.0 |         |
| 10565-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle) | X | 4.83 | 67.45 | 16.73 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.71 | 66.96 | 16.38 |      | 150.0 |         |
|           |                                                                 | Z | 4.90 | 67.31 | 16.71 |      | 150.0 |         |
| 10566-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle) | X | 4.66 | 67.25 | 16.53 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.54 | 66.74 | 16.16 |      | 150.0 |         |
|           |                                                                 | Z | 4.74 | 67.14 | 16.53 |      | 150.0 |         |
| 10567-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle) | X | 4.70 | 67.67 | 16.92 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.58 | 67.15 | 16.55 |      | 150.0 |         |
|           |                                                                 | Z | 4.77 | 67.52 | 16.89 |      | 150.0 |         |
| 10568-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) | X | 4.54 | 66.92 | 16.23 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.42 | 66.40 | 15.85 |      | 150.0 |         |
|           |                                                                 | Z | 4.64 | 66.89 | 16.28 |      | 150.0 |         |
| 10569-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) | X | 4.70 | 67.93 | 17.07 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.57 | 67.41 | 16.71 |      | 150.0 |         |
|           |                                                                 | Z | 4.75 | 67.73 | 17.02 |      | 150.0 |         |
| 10570-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) | X | 4.69 | 67.69 | 16.95 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.56 | 67.17 | 16.58 |      | 150.0 |         |
|           |                                                                 | Z | 4.76 | 67.53 | 16.92 |      | 150.0 |         |
| 10571-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)       | X | 1.08 | 64.14 | 15.45 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 0.97 | 62.52 | 14.02 |      | 130.0 |         |
|           |                                                                 | Z | 1.11 | 64.21 | 15.59 |      | 130.0 |         |
| 10572-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)       | X | 1.09 | 64.69 | 15.82 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 0.98 | 62.93 | 14.31 |      | 130.0 |         |
|           |                                                                 | Z | 1.12 | 64.76 | 15.95 |      | 130.0 |         |
| 10573-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)     | X | 1.58 | 84.82 | 23.68 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 0.69 | 70.46 | 16.37 |      | 130.0 |         |
|           |                                                                 | Z | 1.86 | 87.04 | 24.47 |      | 130.0 |         |
| 10574-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)      | X | 1.15 | 70.27 | 18.88 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 0.93 | 66.55 | 16.29 |      | 130.0 |         |
|           |                                                                 | Z | 1.19 | 70.36 | 18.97 |      | 130.0 |         |

|           |                                                                 |   |      |       |       |      |       |         |
|-----------|-----------------------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10575-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)  | X | 4.40 | 66.72 | 16.36 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.29 | 66.25 | 16.02 |      | 130.0 |         |
|           |                                                                 | Z | 4.48 | 66.68 | 16.44 |      | 130.0 |         |
| 10576-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)  | X | 4.43 | 66.94 | 16.46 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.32 | 66.47 | 16.12 |      | 130.0 |         |
|           |                                                                 | Z | 4.51 | 66.87 | 16.53 |      | 130.0 |         |
| 10577-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) | X | 4.58 | 67.16 | 16.60 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.47 | 66.69 | 16.27 |      | 130.0 |         |
|           |                                                                 | Z | 4.67 | 67.11 | 16.67 |      | 130.0 |         |
| 10578-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) | X | 4.49 | 67.32 | 16.72 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.37 | 66.83 | 16.37 |      | 130.0 |         |
|           |                                                                 | Z | 4.58 | 67.25 | 16.77 |      | 130.0 |         |
| 10579-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) | X | 4.24 | 66.44 | 15.93 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.12 | 65.94 | 15.56 |      | 130.0 |         |
|           |                                                                 | Z | 4.33 | 66.47 | 16.05 |      | 130.0 |         |
| 10580-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) | X | 4.26 | 66.47 | 15.94 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.15 | 65.97 | 15.56 |      | 130.0 |         |
|           |                                                                 | Z | 4.37 | 66.53 | 16.08 |      | 130.0 |         |
| 10581-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) | X | 4.41 | 67.42 | 16.71 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.29 | 66.91 | 16.34 |      | 130.0 |         |
|           |                                                                 | Z | 4.49 | 67.33 | 16.75 |      | 130.0 |         |
| 10582-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) | X | 4.16 | 66.20 | 15.70 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.05 | 65.70 | 15.33 |      | 130.0 |         |
|           |                                                                 | Z | 4.27 | 66.25 | 15.84 |      | 130.0 |         |
| 10583-AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)       | X | 4.40 | 66.72 | 16.36 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.29 | 66.25 | 16.02 |      | 130.0 |         |
|           |                                                                 | Z | 4.48 | 66.68 | 16.44 |      | 130.0 |         |
| 10584-AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)       | X | 4.43 | 66.94 | 16.46 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.32 | 66.47 | 16.12 |      | 130.0 |         |
|           |                                                                 | Z | 4.51 | 66.87 | 16.53 |      | 130.0 |         |
| 10585-AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)      | X | 4.58 | 67.16 | 16.60 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.47 | 66.69 | 16.27 |      | 130.0 |         |
|           |                                                                 | Z | 4.67 | 67.11 | 16.67 |      | 130.0 |         |
| 10586-AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)      | X | 4.49 | 67.32 | 16.72 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.37 | 66.83 | 16.37 |      | 130.0 |         |
|           |                                                                 | Z | 4.58 | 67.25 | 16.77 |      | 130.0 |         |
| 10587-AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)      | X | 4.24 | 66.44 | 15.93 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.12 | 65.94 | 15.56 |      | 130.0 |         |
|           |                                                                 | Z | 4.33 | 66.47 | 16.05 |      | 130.0 |         |
| 10588-AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)      | X | 4.26 | 66.47 | 15.94 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.15 | 65.97 | 15.56 |      | 130.0 |         |
|           |                                                                 | Z | 4.37 | 66.53 | 16.08 |      | 130.0 |         |
| 10589-AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)      | X | 4.41 | 67.42 | 16.71 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.29 | 66.91 | 16.34 |      | 130.0 |         |
|           |                                                                 | Z | 4.49 | 67.33 | 16.75 |      | 130.0 |         |
| 10590-AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)      | X | 4.16 | 66.20 | 15.70 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.05 | 65.70 | 15.33 |      | 130.0 |         |
|           |                                                                 | Z | 4.27 | 66.25 | 15.84 |      | 130.0 |         |

|           |                                                       |   |      |       |       |      |       |         |
|-----------|-------------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10591-AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle) | X | 4.56 | 66.82 | 16.50 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.45 | 66.38 | 16.18 |      | 130.0 |         |
|           |                                                       | Z | 4.64 | 66.75 | 16.56 |      | 130.0 |         |
| 10592-AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle) | X | 4.67 | 67.10 | 16.62 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.55 | 66.64 | 16.30 |      | 130.0 |         |
|           |                                                       | Z | 4.76 | 67.05 | 16.68 |      | 130.0 |         |
| 10593-AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle) | X | 4.58 | 66.97 | 16.47 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.47 | 66.51 | 16.14 |      | 130.0 |         |
|           |                                                       | Z | 4.68 | 66.93 | 16.54 |      | 130.0 |         |
| 10594-AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle) | X | 4.64 | 67.15 | 16.64 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.53 | 66.69 | 16.32 |      | 130.0 |         |
|           |                                                       | Z | 4.73 | 67.11 | 16.71 |      | 130.0 |         |
| 10595-AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle) | X | 4.60 | 67.13 | 16.55 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.49 | 66.66 | 16.22 |      | 130.0 |         |
|           |                                                       | Z | 4.70 | 67.09 | 16.62 |      | 130.0 |         |
| 10596-AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle) | X | 4.53 | 67.08 | 16.53 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.42 | 66.60 | 16.19 |      | 130.0 |         |
|           |                                                       | Z | 4.63 | 67.06 | 16.61 |      | 130.0 |         |
| 10597-AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle) | X | 4.49 | 66.94 | 16.38 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.37 | 66.46 | 16.03 |      | 130.0 |         |
|           |                                                       | Z | 4.58 | 66.93 | 16.47 |      | 130.0 |         |
| 10598-AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle) | X | 4.48 | 67.20 | 16.67 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.37 | 66.71 | 16.32 |      | 130.0 |         |
|           |                                                       | Z | 4.57 | 67.15 | 16.73 |      | 130.0 |         |
| 10599-AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle) | X | 5.24 | 67.26 | 16.75 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.17 | 66.94 | 16.54 |      | 130.0 |         |
|           |                                                       | Z | 5.32 | 67.23 | 16.80 |      | 130.0 |         |
| 10600-AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle) | X | 5.33 | 67.58 | 16.88 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.27 | 67.33 | 16.70 |      | 130.0 |         |
|           |                                                       | Z | 5.43 | 67.63 | 16.98 |      | 130.0 |         |
| 10601-AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle) | X | 5.25 | 67.42 | 16.82 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.19 | 67.14 | 16.63 |      | 130.0 |         |
|           |                                                       | Z | 5.33 | 67.38 | 16.87 |      | 130.0 |         |
| 10602-AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle) | X | 5.32 | 67.37 | 16.71 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.25 | 67.07 | 16.51 |      | 130.0 |         |
|           |                                                       | Z | 5.45 | 67.53 | 16.87 |      | 130.0 |         |
| 10603-AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle) | X | 5.38 | 67.65 | 17.00 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.30 | 67.32 | 16.78 |      | 130.0 |         |
|           |                                                       | Z | 5.51 | 67.77 | 17.12 |      | 130.0 |         |
| 10604-AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle) | X | 5.25 | 67.20 | 16.74 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.16 | 66.82 | 16.49 |      | 130.0 |         |
|           |                                                       | Z | 5.40 | 67.44 | 16.93 |      | 130.0 |         |
| 10605-AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle) | X | 5.31 | 67.42 | 16.85 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.24 | 67.10 | 16.63 |      | 130.0 |         |
|           |                                                       | Z | 5.42 | 67.50 | 16.97 |      | 130.0 |         |
| 10606-AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle) | X | 5.12 | 66.92 | 16.45 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.05 | 66.62 | 16.24 |      | 130.0 |         |
|           |                                                       | Z | 5.20 | 66.91 | 16.52 |      | 130.0 |         |

|           |                                                   |   |      |       |       |      |       |         |
|-----------|---------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10607-AAB | IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle) | X | 4.41 | 66.20 | 16.16 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.29 | 65.69 | 15.81 |      | 130.0 |         |
|           |                                                   | Z | 4.49 | 66.12 | 16.21 |      | 130.0 |         |
| 10608-AAB | IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle) | X | 4.54 | 66.51 | 16.30 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.41 | 65.99 | 15.94 |      | 130.0 |         |
|           |                                                   | Z | 4.63 | 66.46 | 16.36 |      | 130.0 |         |
| 10609-AAB | IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle) | X | 4.44 | 66.34 | 16.12 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.31 | 65.80 | 15.75 |      | 130.0 |         |
|           |                                                   | Z | 4.53 | 66.30 | 16.19 |      | 130.0 |         |
| 10610-AAB | IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle) | X | 4.49 | 66.52 | 16.29 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.36 | 65.99 | 15.93 |      | 130.0 |         |
|           |                                                   | Z | 4.58 | 66.46 | 16.35 |      | 130.0 |         |
| 10611-AAB | IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle) | X | 4.40 | 66.30 | 16.13 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.27 | 65.76 | 15.76 |      | 130.0 |         |
|           |                                                   | Z | 4.49 | 66.26 | 16.20 |      | 130.0 |         |
| 10612-AAB | IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle) | X | 4.38 | 66.41 | 16.16 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.25 | 65.85 | 15.78 |      | 130.0 |         |
|           |                                                   | Z | 4.48 | 66.40 | 16.24 |      | 130.0 |         |
| 10613-AAB | IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle) | X | 4.38 | 66.21 | 16.00 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.25 | 65.67 | 15.61 |      | 130.0 |         |
|           |                                                   | Z | 4.48 | 66.22 | 16.09 |      | 130.0 |         |
| 10614-AAB | IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle) | X | 4.36 | 66.48 | 16.27 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.23 | 65.92 | 15.89 |      | 130.0 |         |
|           |                                                   | Z | 4.44 | 66.43 | 16.33 |      | 130.0 |         |
| 10615-AAB | IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle) | X | 4.39 | 66.12 | 15.89 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.26 | 65.59 | 15.51 |      | 130.0 |         |
|           |                                                   | Z | 4.49 | 66.11 | 15.98 |      | 130.0 |         |
| 10616-AAB | IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle) | X | 5.05 | 66.44 | 16.33 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.95 | 66.02 | 16.06 |      | 130.0 |         |
|           |                                                   | Z | 5.13 | 66.43 | 16.39 |      | 130.0 |         |
| 10617-AAB | IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle) | X | 5.08 | 66.53 | 16.35 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.98 | 66.12 | 16.09 |      | 130.0 |         |
|           |                                                   | Z | 5.18 | 66.59 | 16.44 |      | 130.0 |         |
| 10618-AAB | IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle) | X | 4.99 | 66.61 | 16.41 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.89 | 66.15 | 16.11 |      | 130.0 |         |
|           |                                                   | Z | 5.09 | 66.65 | 16.49 |      | 130.0 |         |
| 10619-AAB | IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle) | X | 5.02 | 66.48 | 16.27 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.94 | 66.10 | 16.02 |      | 130.0 |         |
|           |                                                   | Z | 5.11 | 66.46 | 16.33 |      | 130.0 |         |
| 10620-AAB | IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle) | X | 5.08 | 66.43 | 16.29 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.99 | 66.02 | 16.03 |      | 130.0 |         |
|           |                                                   | Z | 5.18 | 66.46 | 16.37 |      | 130.0 |         |
| 10621-AAB | IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle) | X | 5.10 | 66.56 | 16.48 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.00 | 66.14 | 16.22 |      | 130.0 |         |
|           |                                                   | Z | 5.18 | 66.56 | 16.54 |      | 130.0 |         |
| 10622-AAB | IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle) | X | 5.08 | 66.65 | 16.52 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.98 | 66.22 | 16.25 |      | 130.0 |         |
|           |                                                   | Z | 5.17 | 66.66 | 16.59 |      | 130.0 |         |

|           |                                                    |   |      |       |       |      |       |         |
|-----------|----------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10623-AAB | IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)  | X | 4.98 | 66.21 | 16.16 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 4.88 | 65.79 | 15.89 |      | 130.0 |         |
|           |                                                    | Z | 5.06 | 66.21 | 16.23 |      | 130.0 |         |
| 10624-AAB | IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)  | X | 5.17 | 66.46 | 16.35 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.08 | 66.07 | 16.10 |      | 130.0 |         |
|           |                                                    | Z | 5.26 | 66.47 | 16.42 |      | 130.0 |         |
| 10625-AAB | IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)  | X | 5.25 | 66.61 | 16.49 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.18 | 66.30 | 16.29 |      | 130.0 |         |
|           |                                                    | Z | 5.37 | 66.66 | 16.58 |      | 130.0 |         |
| 10626-AAB | IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)  | X | 5.38 | 66.44 | 16.27 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.30 | 66.05 | 16.03 |      | 130.0 |         |
|           |                                                    | Z | 5.46 | 66.46 | 16.34 |      | 130.0 |         |
| 10627-AAB | IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)  | X | 5.60 | 67.04 | 16.55 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.54 | 66.74 | 16.35 |      | 130.0 |         |
|           |                                                    | Z | 5.70 | 67.10 | 16.63 |      | 130.0 |         |
| 10628-AAB | IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)  | X | 5.37 | 66.41 | 16.15 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.29 | 66.01 | 15.91 |      | 130.0 |         |
|           |                                                    | Z | 5.46 | 66.46 | 16.24 |      | 130.0 |         |
| 10629-AAB | IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)  | X | 5.49 | 66.65 | 16.27 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.44 | 66.37 | 16.09 |      | 130.0 |         |
|           |                                                    | Z | 5.56 | 66.64 | 16.32 |      | 130.0 |         |
| 10630-AAB | IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)  | X | 5.67 | 67.41 | 16.66 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.61 | 67.09 | 16.45 |      | 130.0 |         |
|           |                                                    | Z | 5.83 | 67.66 | 16.84 |      | 130.0 |         |
| 10631-AAB | IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)  | X | 5.67 | 67.52 | 16.91 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.58 | 67.12 | 16.67 |      | 130.0 |         |
|           |                                                    | Z | 5.78 | 67.60 | 17.00 |      | 130.0 |         |
| 10632-AAB | IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)  | X | 5.62 | 67.28 | 16.81 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.58 | 67.03 | 16.65 |      | 130.0 |         |
|           |                                                    | Z | 5.69 | 67.24 | 16.84 |      | 130.0 |         |
| 10633-AAB | IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)  | X | 5.39 | 66.48 | 16.23 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.30 | 66.07 | 15.98 |      | 130.0 |         |
|           |                                                    | Z | 5.50 | 66.59 | 16.34 |      | 130.0 |         |
| 10634-AAB | IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)  | X | 5.43 | 66.71 | 16.40 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.34 | 66.29 | 16.14 |      | 130.0 |         |
|           |                                                    | Z | 5.51 | 66.70 | 16.45 |      | 130.0 |         |
| 10635-AAB | IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)  | X | 5.28 | 65.91 | 15.71 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.19 | 65.51 | 15.47 |      | 130.0 |         |
|           |                                                    | Z | 5.37 | 65.99 | 15.83 |      | 130.0 |         |
| 10636-AAC | IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle) | X | 5.82 | 66.79 | 16.35 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.75 | 66.43 | 16.14 |      | 130.0 |         |
|           |                                                    | Z | 5.89 | 66.82 | 16.42 |      | 130.0 |         |
| 10637-AAC | IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle) | X | 5.93 | 67.06 | 16.48 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.86 | 66.73 | 16.28 |      | 130.0 |         |
|           |                                                    | Z | 6.02 | 67.15 | 16.58 |      | 130.0 |         |
| 10638-AAC | IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle) | X | 5.97 | 67.18 | 16.51 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.90 | 66.83 | 16.31 |      | 130.0 |         |
|           |                                                    | Z | 6.04 | 67.18 | 16.57 |      | 130.0 |         |

|           |                                                        |   |        |        |       |       |       |         |
|-----------|--------------------------------------------------------|---|--------|--------|-------|-------|-------|---------|
| 10639-AAC | IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)     | X | 5.91   | 67.02  | 16.48 | 0.46  | 130.0 | ± 9.6 % |
|           |                                                        | Y | 5.84   | 66.65  | 16.26 |       | 130.0 |         |
|           |                                                        | Z | 6.00   | 67.07  | 16.55 |       | 130.0 |         |
| 10640-AAC | IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)     | X | 5.86   | 66.86  | 16.34 | 0.46  | 130.0 | ± 9.6 % |
|           |                                                        | Y | 5.77   | 66.46  | 16.10 |       | 130.0 |         |
|           |                                                        | Z | 5.97   | 67.00  | 16.46 |       | 130.0 |         |
| 10641-AAC | IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)     | X | 5.97   | 66.99  | 16.42 | 0.46  | 130.0 | ± 9.6 % |
|           |                                                        | Y | 5.91   | 66.67  | 16.24 |       | 130.0 |         |
|           |                                                        | Z | 6.06   | 67.06  | 16.52 |       | 130.0 |         |
| 10642-AAC | IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)     | X | 5.99   | 67.18  | 16.69 | 0.46  | 130.0 | ± 9.6 % |
|           |                                                        | Y | 5.91   | 66.80  | 16.47 |       | 130.0 |         |
|           |                                                        | Z | 6.08   | 67.23  | 16.76 |       | 130.0 |         |
| 10643-AAC | IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)     | X | 5.84   | 66.86  | 16.42 | 0.46  | 130.0 | ± 9.6 % |
|           |                                                        | Y | 5.76   | 66.48  | 16.19 |       | 130.0 |         |
|           |                                                        | Z | 5.93   | 66.95  | 16.52 |       | 130.0 |         |
| 10644-AAC | IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)     | X | 5.88   | 67.02  | 16.52 | 0.46  | 130.0 | ± 9.6 % |
|           |                                                        | Y | 5.80   | 66.62  | 16.28 |       | 130.0 |         |
|           |                                                        | Z | 5.99   | 67.15  | 16.64 |       | 130.0 |         |
| 10645-AAC | IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)     | X | 6.01   | 67.08  | 16.51 | 0.46  | 130.0 | ± 9.6 % |
|           |                                                        | Y | 5.95   | 66.75  | 16.32 |       | 130.0 |         |
|           |                                                        | Z | 6.15   | 67.27  | 16.67 |       | 130.0 |         |
| 10646-AAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)  | X | 6.09   | 90.38  | 31.74 | 9.30  | 60.0  | ± 9.6 % |
|           |                                                        | Y | 4.85   | 83.69  | 28.81 |       | 60.0  |         |
|           |                                                        | Z | 8.85   | 99.41  | 35.85 |       | 60.0  |         |
| 10647-AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) | X | 5.26   | 87.32  | 30.71 | 9.30  | 60.0  | ± 9.6 % |
|           |                                                        | Y | 4.34   | 81.60  | 28.08 |       | 60.0  |         |
|           |                                                        | Z | 7.52   | 95.84  | 34.73 |       | 60.0  |         |
| 10648-AAA | CDMA2000 (1x Advanced)                                 | X | 0.50   | 62.03  | 8.43  | 0.00  | 150.0 | ± 9.6 % |
|           |                                                        | Y | 0.37   | 60.00  | 6.00  |       | 150.0 |         |
|           |                                                        | Z | 0.54   | 62.23  | 8.92  |       | 150.0 |         |
| 10652-AAB | LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         | X | 3.11   | 66.19  | 15.82 | 2.23  | 80.0  | ± 9.6 % |
|           |                                                        | Y | 2.88   | 64.96  | 15.01 |       | 80.0  |         |
|           |                                                        | Z | 3.33   | 66.82  | 16.45 |       | 80.0  |         |
| 10653-AAB | LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)        | X | 3.67   | 65.53  | 16.17 | 2.23  | 80.0  | ± 9.6 % |
|           |                                                        | Y | 3.50   | 64.72  | 15.65 |       | 80.0  |         |
|           |                                                        | Z | 3.84   | 65.93  | 16.60 |       | 80.0  |         |
| 10654-AAB | LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)        | X | 3.70   | 65.14  | 16.21 | 2.23  | 80.0  | ± 9.6 % |
|           |                                                        | Y | 3.55   | 64.40  | 15.75 |       | 80.0  |         |
|           |                                                        | Z | 3.85   | 65.51  | 16.60 |       | 80.0  |         |
| 10655-AAB | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)        | X | 3.78   | 65.04  | 16.25 | 2.23  | 80.0  | ± 9.6 % |
|           |                                                        | Y | 3.64   | 64.33  | 15.82 |       | 80.0  |         |
|           |                                                        | Z | 3.92   | 65.42  | 16.63 |       | 80.0  |         |
| 10658-AAA | Pulse Waveform (200Hz, 10%)                            | X | 2.65   | 66.31  | 10.09 | 10.00 | 50.0  | ± 9.6 % |
|           |                                                        | Y | 2.79   | 66.49  | 10.42 |       | 50.0  |         |
|           |                                                        | Z | 100.00 | 107.09 | 23.68 |       | 50.0  |         |
| 10659-AAA | Pulse Waveform (200Hz, 20%)                            | X | 1.56   | 65.00  | 8.60  | 6.99  | 60.0  | ± 9.6 % |
|           |                                                        | Y | 1.34   | 63.69  | 8.06  |       | 60.0  |         |
|           |                                                        | Z | 100.00 | 108.00 | 22.98 |       | 60.0  |         |

|           |                             |   |        |        |       |      |       |         |
|-----------|-----------------------------|---|--------|--------|-------|------|-------|---------|
| 10660-AAA | Pulse Waveform (200Hz, 40%) | X | 1.22   | 66.63  | 8.31  | 3.98 | 80.0  | ± 9.6 % |
|           |                             | Y | 0.42   | 60.00  | 4.93  |      | 80.0  |         |
|           |                             | Z | 100.00 | 112.88 | 23.74 |      | 80.0  |         |
| 10661-AAA | Pulse Waveform (200Hz, 60%) | X | 100.00 | 91.69  | 13.69 | 2.22 | 100.0 | ± 9.6 % |
|           |                             | Y | 0.24   | 60.00  | 3.52  |      | 100.0 |         |
|           |                             | Z | 100.00 | 121.26 | 25.88 |      | 100.0 |         |
| 10662-AAA | Pulse Waveform (200Hz, 80%) | X | 99.99  | 84.05  | 9.95  | 0.97 | 120.0 | ± 9.6 % |
|           |                             | Y | 1.92   | 105.49 | 2.85  |      | 120.0 |         |
|           |                             | Z | 100.00 | 143.45 | 32.32 |      | 120.0 |         |

<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.



Accredited by the Swiss Accreditation Service (SAS)

Accreditation No.: **SCS 0108**

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

Client **PC Test**

Certificate No: **ES3-3022\_Jun18**

## CALIBRATION CERTIFICATE

Object **ES3DV2 - SN:3022**

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

Calibration date: **June 22, 2018**

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  $(22 \pm 3)^\circ\text{C}$  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-18 (No. 217-02672/02673)   | Apr-19                 |
| Power sensor NRP-Z91       | SN: 103244       | 04-Apr-18 (No. 217-02672)         | Apr-19                 |
| Power sensor NRP-Z91       | SN: 103245       | 04-Apr-18 (No. 217-02673)         | Apr-19                 |
| Reference 20 dB Attenuator | SN: S5277 (20x)  | 04-Apr-18 (No. 217-02682)         | Apr-19                 |
| Reference Probe ES3DV2     | SN: 3013         | 30-Dec-17 (No. ES3-3013_Dec17)    | Dec-18                 |
| DAE4                       | SN: 660          | 21-Dec-17 (No. DAE4-660_Dec17)    | Dec-18                 |
| Secondary Standards        | ID               | Check Date (in house)             | Scheduled Check        |
| Power meter E4419B         | SN: GB41293874   | 06-Apr-16 (in house check Jun-18) | In house check: Jun-20 |
| Power sensor E4412A        | SN: MY41498087   | 06-Apr-16 (in house check Jun-18) | In house check: Jun-20 |
| Power sensor E4412A        | SN: 000110210    | 06-Apr-16 (in house check Jun-18) | In house check: Jun-20 |
| RF generator HP 8648C      | SN: US3642U01700 | 04-Aug-99 (in house check Jun-18) | In house check: Jun-20 |
| Network Analyzer HP 8753E  | SN: US37390585   | 18-Oct-01 (in house check Oct-17) | In house check: Oct-18 |

|                                                                                                                 | Name          | Function              | Signature |
|-----------------------------------------------------------------------------------------------------------------|---------------|-----------------------|-----------|
| Calibrated by:                                                                                                  | Leif Klysner  | Laboratory Technician |           |
| Approved by:                                                                                                    | Katja Pokovic | Technical Manager     |           |
| Issued: June 23, 2018                                                                                           |               |                       |           |
| This calibration certificate shall not be reproduced except in full without written approval of the laboratory. |               |                       |           |



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### 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  $E^2$ -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).

# Probe ES3DV2

## SN:3022

Manufactured: April 15, 2003  
Calibrated: June 22, 2018

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

## DASY/EASY - Parameters of Probe: ES3DV2 - SN:3022

### Basic Calibration Parameters

|                                                           | Sensor X | Sensor Y | Sensor Z | Unc (k=2)     |
|-----------------------------------------------------------|----------|----------|----------|---------------|
| Norm ( $\mu\text{V}/(\text{V}/\text{m})^2$ ) <sup>A</sup> | 0.97     | 1.01     | 0.96     | $\pm 10.1 \%$ |
| DCP (mV) <sup>B</sup>                                     | 99.7     | 96.5     | 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    | 180.7    | $\pm 3.3 \%$              |
|     |                           | Y | 0.0     | 0.0                          | 1.0 |         | 185.0    |                           |
|     |                           | Z | 0.0     | 0.0                          | 1.0 |         | 180.9    |                           |

Note: For details on UID parameters see Appendix.

### Sensor Model Parameters

|   | C1<br>fF | C2<br>fF | $\alpha$<br>$\text{V}^{-1}$ | T1<br>$\text{ms} \cdot \text{V}^{-2}$ | T2<br>$\text{ms} \cdot \text{V}^{-1}$ | T3<br>ms | T4<br>$\text{V}^{-2}$ | T5<br>$\text{V}^{-1}$ | T6    |
|---|----------|----------|-----------------------------|---------------------------------------|---------------------------------------|----------|-----------------------|-----------------------|-------|
| X | 56.30    | 408.5    | 36.17                       | 29.39                                 | 2.977                                 | 5.10     | 0.000                 | 0.584                 | 1.011 |
| Y | 51.61    | 379.9    | 36.94                       | 28.97                                 | 2.404                                 | 5.10     | 0.000                 | 0.498                 | 1.013 |
| Z | 49.66    | 357.5    | 35.61                       | 28.42                                 | 2.517                                 | 5.10     | 0.193                 | 0.469                 | 1.009 |

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.

## DASY/EASY - Parameters of Probe: ES3DV2 - SN:3022

### 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) |
|----------------------|------------------------------------|---------------------------------|---------|---------|---------|--------------------|-------------------------|-----------|
| 750                  | 41.9                               | 0.89                            | 6.54    | 6.54    | 6.54    | 0.50               | 1.39                    | ± 12.0 %  |
| 835                  | 41.5                               | 0.90                            | 6.16    | 6.16    | 6.16    | 0.40               | 1.50                    | ± 12.0 %  |
| 1750                 | 40.1                               | 1.37                            | 5.32    | 5.32    | 5.32    | 0.32               | 1.94                    | ± 12.0 %  |
| 1900                 | 40.0                               | 1.40                            | 5.07    | 5.07    | 5.07    | 0.53               | 1.39                    | ± 12.0 %  |
| 2300                 | 39.5                               | 1.67                            | 4.76    | 4.76    | 4.76    | 0.54               | 1.44                    | ± 12.0 %  |
| 2450                 | 39.2                               | 1.80                            | 4.52    | 4.52    | 4.52    | 0.58               | 1.39                    | ± 12.0 %  |
| 2600                 | 39.0                               | 1.96                            | 4.24    | 4.24    | 4.24    | 0.52               | 1.59                    | ± 12.0 %  |

<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.

## DASY/EASY - Parameters of Probe: ES3DV2 - SN:3022

### 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) |
|----------------------|------------------------------------|---------------------------------|---------|---------|---------|--------------------|-------------------------|-----------|
| 750                  | 55.5                               | 0.96                            | 6.12    | 6.12    | 6.12    | 0.48               | 1.36                    | ± 12.0 %  |
| 835                  | 55.2                               | 0.97                            | 5.96    | 5.96    | 5.96    | 0.57               | 1.24                    | ± 12.0 %  |
| 1750                 | 53.4                               | 1.49                            | 4.93    | 4.93    | 4.93    | 0.44               | 1.52                    | ± 12.0 %  |
| 1900                 | 53.3                               | 1.52                            | 4.67    | 4.67    | 4.67    | 0.37               | 1.86                    | ± 12.0 %  |
| 2300                 | 52.9                               | 1.81                            | 4.36    | 4.36    | 4.36    | 0.72               | 1.30                    | ± 12.0 %  |
| 2450                 | 52.7                               | 1.95                            | 4.22    | 4.22    | 4.22    | 0.80               | 1.19                    | ± 12.0 %  |
| 2600                 | 52.5                               | 2.16                            | 4.03    | 4.03    | 4.03    | 0.72               | 1.14                    | ± 12.0 %  |

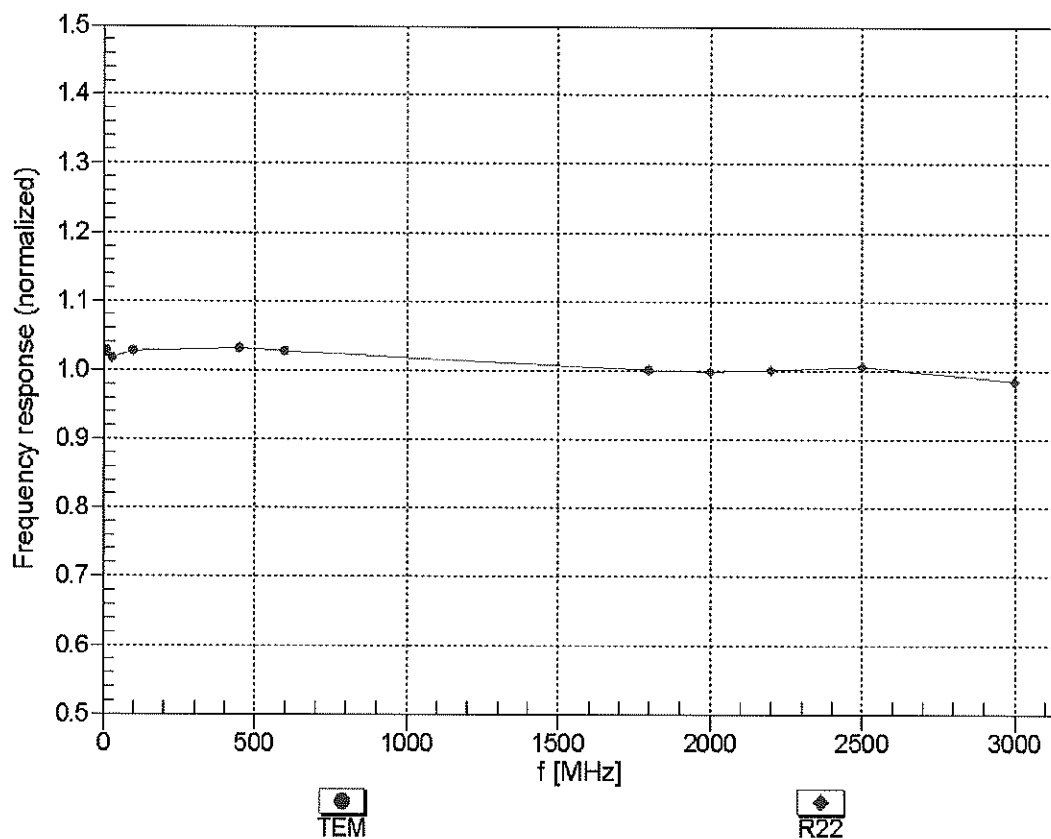
<sup>C</sup> Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 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.

## Frequency Response of E-Field

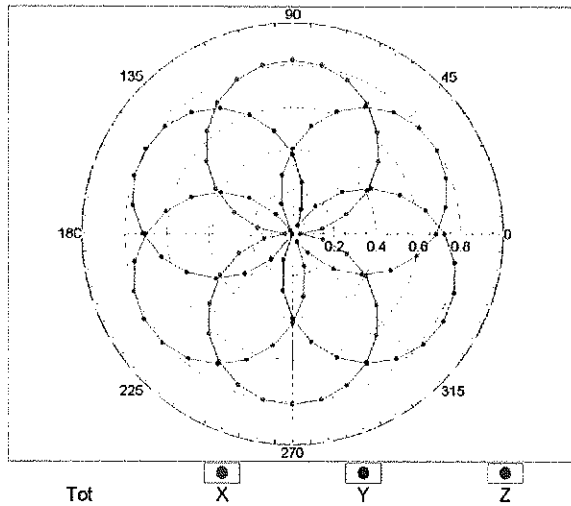
(TEM-Cell:ifi110 EXX, Waveguide: R22)



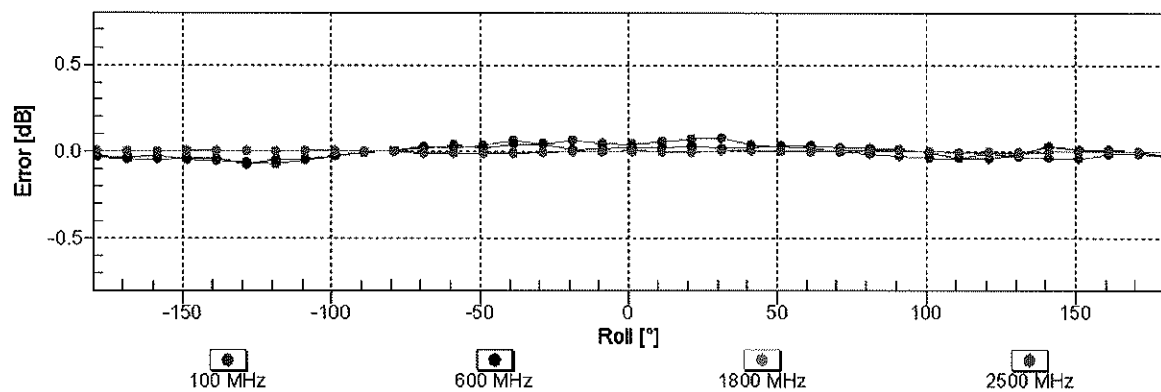
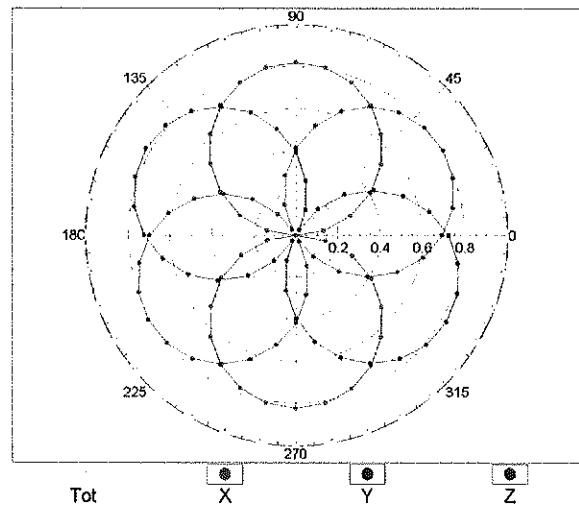
Uncertainty of Frequency Response of E-field:  $\pm 6.3\%$  ( $k=2$ )

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

f=600 MHz,TEM

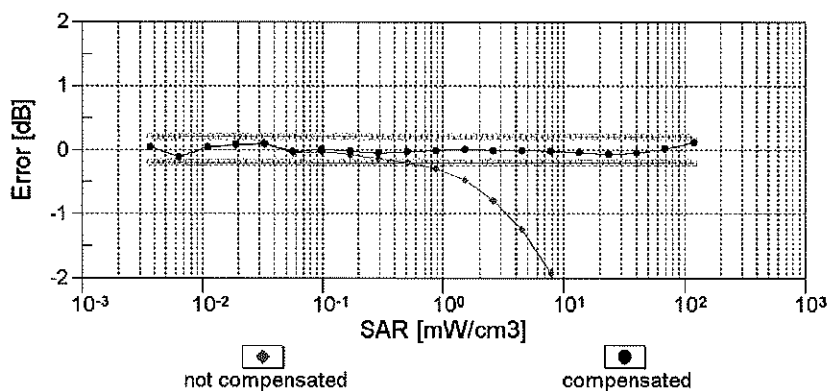
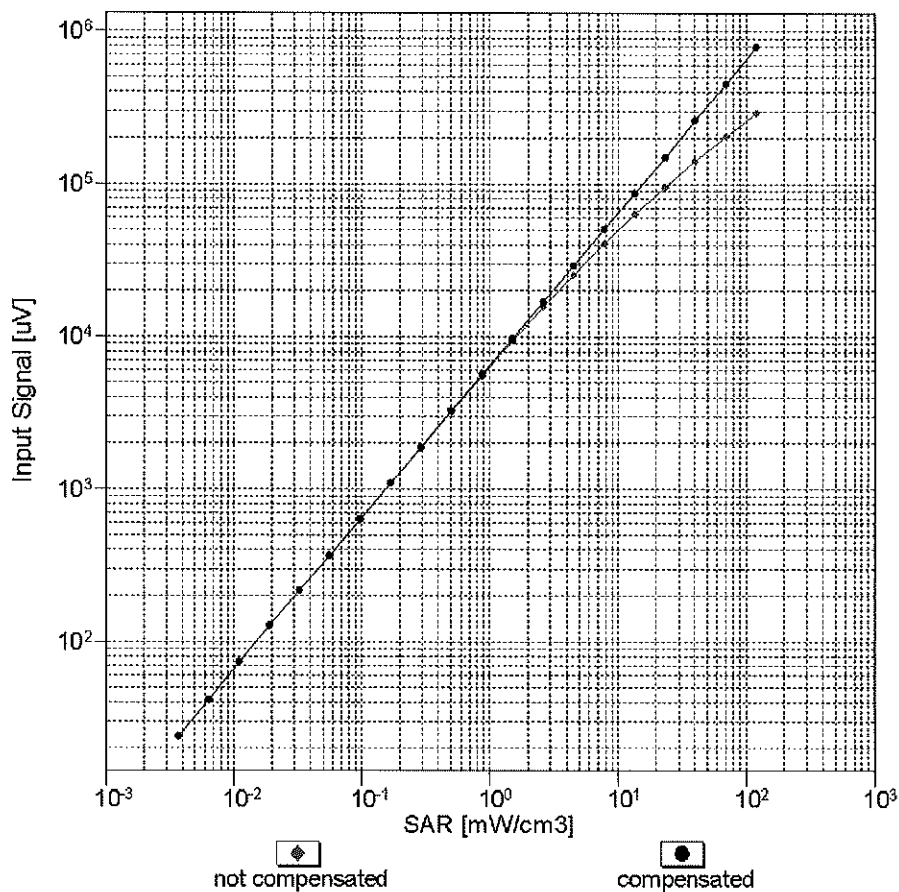


f=1800 MHz,R22



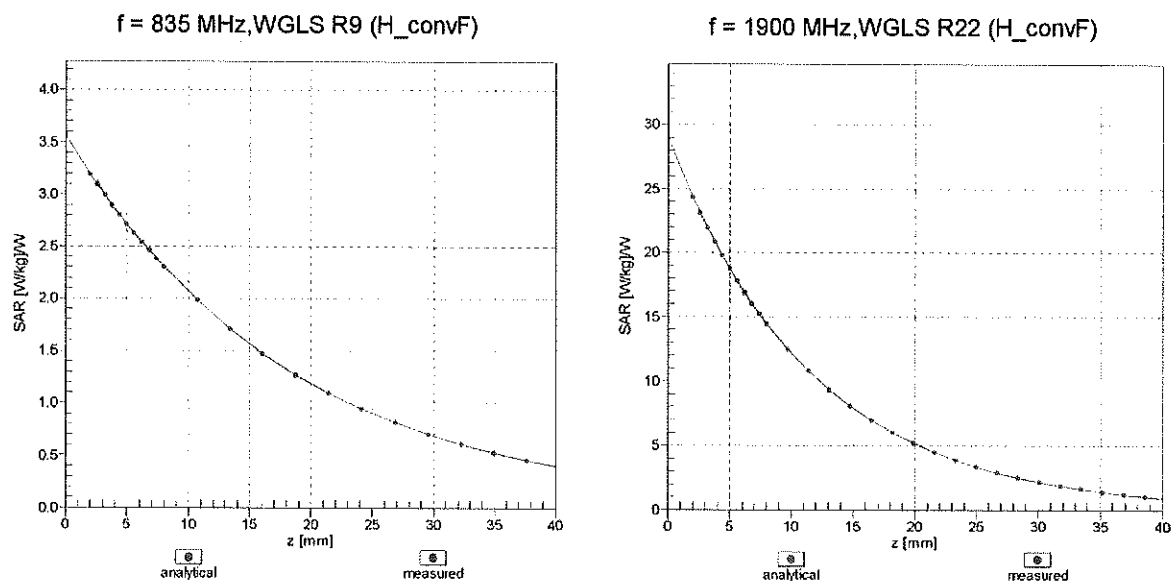
Uncertainty of Axial Isotropy Assessment:  $\pm 0.5\%$  ( $k=2$ )

# Dynamic Range $f(\text{SAR}_{\text{head}})$ (TEM cell, $f_{\text{eval}} = 1900 \text{ MHz}$ )



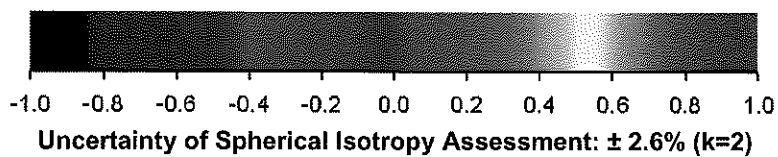
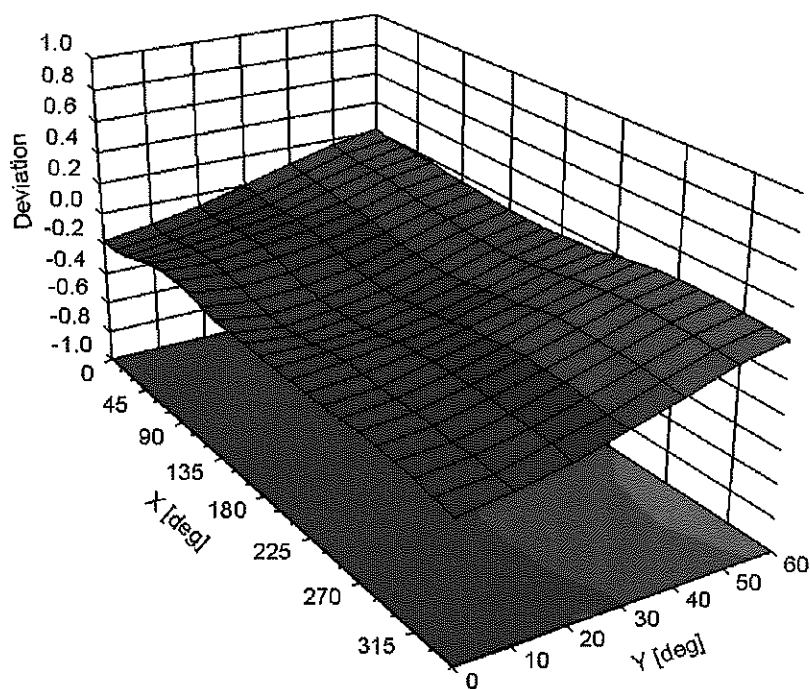
Uncertainty of Linearity Assessment:  $\pm 0.6\%$  ( $k=2$ )

## Conversion Factor Assessment



## Deviation from Isotropy in Liquid

Error ( $\phi, \theta$ ),  $f = 900 \text{ MHz}$



## DASY/EASY - Parameters of Probe: ES3DV2 - SN:3022

### Other Probe Parameters

|                                               |            |
|-----------------------------------------------|------------|
| Sensor Arrangement                            | Triangular |
| Connector Angle (°)                           | 101.3      |
| Mechanical Surface Detection Mode             | enabled    |
| Optical Surface Detection Mode                | disabled   |
| Probe Overall Length                          | 337 mm     |
| Probe Body Diameter                           | 10 mm      |
| Tip Length                                    | 10 mm      |
| Tip Diameter                                  | 4 mm       |
| Probe Tip to Sensor X Calibration Point       | 2 mm       |
| Probe Tip to Sensor Y Calibration Point       | 2 mm       |
| Probe Tip to Sensor Z Calibration Point       | 2 mm       |
| Recommended Measurement Distance from Surface | 3 mm       |

**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    | 180.7    | $\pm 3.3 \%$                     |
|               |                                               | Y | 0.00    | 0.00                   | 1.00  |         | 185.0    |                                  |
|               |                                               | Z | 0.00    | 0.00                   | 1.00  |         | 180.9    |                                  |
| 10010-<br>CAA | SAR Validation (Square, 100ms, 10ms)          | X | 9.12    | 80.72                  | 19.72 | 10.00   | 25.0     | $\pm 9.6 \%$                     |
|               |                                               | Y | 7.78    | 78.39                  | 18.16 |         | 25.0     |                                  |
|               |                                               | Z | 8.88    | 80.43                  | 19.18 |         | 25.0     |                                  |
| 10011-<br>CAB | UMTS-FDD (WCDMA)                              | X | 1.13    | 69.14                  | 16.23 | 0.00    | 150.0    | $\pm 9.6 \%$                     |
|               |                                               | Y | 0.94    | 65.93                  | 14.05 |         | 150.0    |                                  |
|               |                                               | Z | 1.03    | 67.74                  | 15.26 |         | 150.0    |                                  |
| 10012-<br>CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)      | X | 1.32    | 65.59                  | 16.25 | 0.41    | 150.0    | $\pm 9.6 \%$                     |
|               |                                               | Y | 1.23    | 64.33                  | 15.18 |         | 150.0    |                                  |
|               |                                               | Z | 1.28    | 65.16                  | 15.80 |         | 150.0    |                                  |
| 10013-<br>CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps) | X | 5.15    | 67.35                  | 17.56 | 1.46    | 150.0    | $\pm 9.6 \%$                     |
|               |                                               | Y | 5.05    | 67.11                  | 17.34 |         | 150.0    |                                  |
|               |                                               | Z | 5.06    | 67.35                  | 17.45 |         | 150.0    |                                  |
| 10021-<br>DAC | GSM-FDD (TDMA, GMSK)                          | X | 21.12   | 96.30                  | 26.79 | 9.39    | 50.0     | $\pm 9.6 \%$                     |
|               |                                               | Y | 34.63   | 103.95                 | 28.36 |         | 50.0     |                                  |
|               |                                               | Z | 29.26   | 101.54                 | 27.92 |         | 50.0     |                                  |
| 10023-<br>DAC | GPRS-FDD (TDMA, GMSK, TN 0)                   | X | 18.75   | 94.15                  | 26.16 | 9.57    | 50.0     | $\pm 9.6 \%$                     |
|               |                                               | Y | 27.39   | 100.04                 | 27.27 |         | 50.0     |                                  |
|               |                                               | Z | 24.24   | 98.32                  | 27.00 |         | 50.0     |                                  |
| 10024-<br>DAC | GPRS-FDD (TDMA, GMSK, TN 0-1)                 | X | 100.00  | 119.51                 | 31.22 | 6.56    | 60.0     | $\pm 9.6 \%$                     |
|               |                                               | Y | 100.00  | 117.40                 | 29.84 |         | 60.0     |                                  |
|               |                                               | Z | 100.00  | 118.34                 | 30.40 |         | 60.0     |                                  |
| 10025-<br>DAC | EDGE-FDD (TDMA, 8PSK, TN 0)                   | X | 19.29   | 106.16                 | 40.42 | 12.57   | 50.0     | $\pm 9.6 \%$                     |
|               |                                               | Y | 14.92   | 99.57                  | 37.85 |         | 50.0     |                                  |
|               |                                               | Z | 20.66   | 109.51                 | 41.75 |         | 50.0     |                                  |
| 10026-<br>DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1)                 | X | 19.66   | 103.12                 | 35.65 | 9.56    | 60.0     | $\pm 9.6 \%$                     |
|               |                                               | Y | 18.05   | 101.73                 | 35.07 |         | 60.0     |                                  |
|               |                                               | Z | 20.79   | 105.41                 | 36.46 |         | 60.0     |                                  |
| 10027-<br>DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2)               | X | 100.00  | 118.25                 | 29.66 | 4.80    | 80.0     | $\pm 9.6 \%$                     |
|               |                                               | Y | 100.00  | 115.76                 | 28.17 |         | 80.0     |                                  |
|               |                                               | Z | 100.00  | 117.04                 | 28.87 |         | 80.0     |                                  |
| 10028-<br>DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)             | X | 100.00  | 118.29                 | 28.82 | 3.55    | 100.0    | $\pm 9.6 \%$                     |
|               |                                               | Y | 100.00  | 115.14                 | 27.08 |         | 100.0    |                                  |
|               |                                               | Z | 100.00  | 116.95                 | 28.01 |         | 100.0    |                                  |
| 10029-<br>DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2)               | X | 13.53   | 94.90                  | 31.74 | 7.80    | 80.0     | $\pm 9.6 \%$                     |
|               |                                               | Y | 11.99   | 92.66                  | 30.82 |         | 80.0     |                                  |
|               |                                               | Z | 13.36   | 95.33                  | 31.90 |         | 80.0     |                                  |
| 10030-<br>CAA | IEEE 802.15.1 Bluetooth (GFSK, DH1)           | X | 100.00  | 117.88                 | 29.84 | 5.30    | 70.0     | $\pm 9.6 \%$                     |
|               |                                               | Y | 100.00  | 115.45                 | 28.36 |         | 70.0     |                                  |
|               |                                               | Z | 100.00  | 116.58                 | 28.99 |         | 70.0     |                                  |
| 10031-<br>CAA | IEEE 802.15.1 Bluetooth (GFSK, DH3)           | X | 100.00  | 118.97                 | 27.49 | 1.88    | 100.0    | $\pm 9.6 \%$                     |
|               |                                               | Y | 100.00  | 112.96                 | 24.59 |         | 100.0    |                                  |
|               |                                               | Z | 100.00  | 116.57                 | 26.27 |         | 100.0    |                                  |

|           |                                                     |   |        |        |       |       |       |         |
|-----------|-----------------------------------------------------|---|--------|--------|-------|-------|-------|---------|
| 10032-CAA | IEEE 802.15.1 Bluetooth (GFSK, DH5)                 | X | 100.00 | 122.85 | 27.97 | 1.17  | 100.0 | ± 9.6 % |
|           |                                                     | Y | 100.00 | 112.87 | 23.49 |       | 100.0 |         |
|           |                                                     | Z | 100.00 | 119.11 | 26.22 |       | 100.0 |         |
| 10033-CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)           | X | 16.94  | 95.81  | 26.51 | 5.30  | 70.0  | ± 9.6 % |
|           |                                                     | Y | 16.15  | 94.60  | 25.59 |       | 70.0  |         |
|           |                                                     | Z | 17.74  | 96.16  | 26.17 |       | 70.0  |         |
| 10034-CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)           | X | 8.87   | 89.65  | 22.97 | 1.88  | 100.0 | ± 9.6 % |
|           |                                                     | Y | 5.53   | 82.01  | 19.73 |       | 100.0 |         |
|           |                                                     | Z | 7.80   | 87.02  | 21.52 |       | 100.0 |         |
| 10035-CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)           | X | 5.00   | 83.13  | 20.55 | 1.17  | 100.0 | ± 9.6 % |
|           |                                                     | Y | 3.13   | 75.87  | 17.18 |       | 100.0 |         |
|           |                                                     | Z | 4.27   | 80.34  | 18.96 |       | 100.0 |         |
| 10036-CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH1)               | X | 20.34  | 99.02  | 27.54 | 5.30  | 70.0  | ± 9.6 % |
|           |                                                     | Y | 20.03  | 98.23  | 26.74 |       | 70.0  |         |
|           |                                                     | Z | 21.83  | 99.68  | 27.27 |       | 70.0  |         |
| 10037-CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH3)               | X | 8.42   | 88.95  | 22.71 | 1.88  | 100.0 | ± 9.6 % |
|           |                                                     | Y | 5.23   | 81.29  | 19.45 |       | 100.0 |         |
|           |                                                     | Z | 7.27   | 86.10  | 21.20 |       | 100.0 |         |
| 10038-CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH5)               | X | 5.22   | 84.01  | 20.94 | 1.17  | 100.0 | ± 9.6 % |
|           |                                                     | Y | 3.22   | 76.47  | 17.50 |       | 100.0 |         |
|           |                                                     | Z | 4.42   | 81.08  | 19.32 |       | 100.0 |         |
| 10039-CAB | CDMA2000 (1xRTT, RC1)                               | X | 2.15   | 74.05  | 16.96 | 0.00  | 150.0 | ± 9.6 % |
|           |                                                     | Y | 1.48   | 68.71  | 13.88 |       | 150.0 |         |
|           |                                                     | Z | 1.75   | 71.47  | 15.26 |       | 150.0 |         |
| 10042-CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) | X | 51.16  | 108.30 | 28.43 | 7.78  | 50.0  | ± 9.6 % |
|           |                                                     | Y | 88.21  | 114.49 | 29.14 |       | 50.0  |         |
|           |                                                     | Z | 92.16  | 115.96 | 29.82 |       | 50.0  |         |
| 10044-CAA | IS-91/EIA/TIA-553 FDD (FDMA, FM)                    | X | 0.00   | 110.75 | 3.44  | 0.00  | 150.0 | ± 9.6 % |
|           |                                                     | Y | 0.01   | 124.18 | 1.76  |       | 150.0 |         |
|           |                                                     | Z | 0.00   | 108.83 | 6.62  |       | 150.0 |         |
| 10048-CAA | DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)           | X | 11.42  | 83.38  | 24.28 | 13.80 | 25.0  | ± 9.6 % |
|           |                                                     | Y | 13.16  | 86.56  | 24.81 |       | 25.0  |         |
|           |                                                     | Z | 12.43  | 85.46  | 24.63 |       | 25.0  |         |
| 10049-CAA | DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)         | X | 13.53  | 87.91  | 24.50 | 10.79 | 40.0  | ± 9.6 % |
|           |                                                     | Y | 16.13  | 90.98  | 24.89 |       | 40.0  |         |
|           |                                                     | Z | 15.33  | 90.21  | 24.85 |       | 40.0  |         |
| 10056-CAA | UMTS-TDD (TD-SCDMA, 1.28 Mcps)                      | X | 12.94  | 87.44  | 24.76 | 9.03  | 50.0  | ± 9.6 % |
|           |                                                     | Y | 13.62  | 88.57  | 24.69 |       | 50.0  |         |
|           |                                                     | Z | 13.86  | 88.86  | 24.90 |       | 50.0  |         |
| 10058-DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)                   | X | 9.99   | 89.04  | 28.92 | 6.55  | 100.0 | ± 9.6 % |
|           |                                                     | Y | 8.79   | 86.66  | 27.91 |       | 100.0 |         |
|           |                                                     | Z | 9.58   | 88.70  | 28.79 |       | 100.0 |         |
| 10059-CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)            | X | 1.52   | 67.99  | 17.40 | 0.61  | 110.0 | ± 9.6 % |
|           |                                                     | Y | 1.38   | 66.31  | 16.16 |       | 110.0 |         |
|           |                                                     | Z | 1.46   | 67.39  | 16.89 |       | 110.0 |         |
| 10060-CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)          | X | 100.00 | 131.43 | 33.80 | 1.30  | 110.0 | ± 9.6 % |
|           |                                                     | Y | 63.48  | 121.74 | 30.70 |       | 110.0 |         |
|           |                                                     | Z | 100.00 | 130.20 | 33.12 |       | 110.0 |         |

|           |                                                |   |       |        |       |      |       |         |
|-----------|------------------------------------------------|---|-------|--------|-------|------|-------|---------|
| 10061-CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)      | X | 12.72 | 100.01 | 28.21 | 2.04 | 110.0 | ± 9.6 % |
|           |                                                | Y | 8.00  | 91.91  | 25.30 |      | 110.0 |         |
|           |                                                | Z | 11.18 | 97.82  | 27.34 |      | 110.0 |         |
| 10062-CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)       | X | 4.86  | 67.08  | 16.83 | 0.49 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.76  | 66.82  | 16.60 |      | 100.0 |         |
|           |                                                | Z | 4.77  | 67.05  | 16.71 |      | 100.0 |         |
| 10063-CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)       | X | 4.90  | 67.25  | 16.98 | 0.72 | 100.0 | ± 9.6 % |
|           |                                                | Y | 4.80  | 66.98  | 16.73 |      | 100.0 |         |
|           |                                                | Z | 4.81  | 67.21  | 16.85 |      | 100.0 |         |
| 10064-CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)      | X | 5.23  | 67.58  | 17.24 | 0.86 | 100.0 | ± 9.6 % |
|           |                                                | Y | 5.11  | 67.30  | 17.01 |      | 100.0 |         |
|           |                                                | Z | 5.11  | 67.52  | 17.11 |      | 100.0 |         |
| 10065-CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)      | X | 5.14  | 67.63  | 17.42 | 1.21 | 100.0 | ± 9.6 % |
|           |                                                | Y | 5.02  | 67.34  | 17.18 |      | 100.0 |         |
|           |                                                | Z | 5.03  | 67.57  | 17.29 |      | 100.0 |         |
| 10066-CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)      | X | 5.20  | 67.78  | 17.66 | 1.46 | 100.0 | ± 9.6 % |
|           |                                                | Y | 5.07  | 67.47  | 17.41 |      | 100.0 |         |
|           |                                                | Z | 5.08  | 67.71  | 17.52 |      | 100.0 |         |
| 10067-CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)      | X | 5.53  | 67.98  | 18.13 | 2.04 | 100.0 | ± 9.6 % |
|           |                                                | Y | 5.40  | 67.73  | 17.91 |      | 100.0 |         |
|           |                                                | Z | 5.42  | 67.97  | 18.03 |      | 100.0 |         |
| 10068-CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)      | X | 5.67  | 68.34  | 18.51 | 2.55 | 100.0 | ± 9.6 % |
|           |                                                | Y | 5.53  | 68.01  | 18.26 |      | 100.0 |         |
|           |                                                | Z | 5.54  | 68.25  | 18.37 |      | 100.0 |         |
| 10069-CAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)      | X | 5.75  | 68.32  | 18.71 | 2.67 | 100.0 | ± 9.6 % |
|           |                                                | Y | 5.61  | 68.01  | 18.46 |      | 100.0 |         |
|           |                                                | Z | 5.63  | 68.27  | 18.59 |      | 100.0 |         |
| 10071-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)  | X | 5.30  | 67.61  | 17.96 | 1.99 | 100.0 | ± 9.6 % |
|           |                                                | Y | 5.20  | 67.35  | 17.74 |      | 100.0 |         |
|           |                                                | Z | 5.21  | 67.60  | 17.85 |      | 100.0 |         |
| 10072-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps) | X | 5.37  | 68.19  | 18.29 | 2.30 | 100.0 | ± 9.6 % |
|           |                                                | Y | 5.25  | 67.88  | 18.05 |      | 100.0 |         |
|           |                                                | Z | 5.27  | 68.14  | 18.18 |      | 100.0 |         |
| 10073-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps) | X | 5.52  | 68.58  | 18.74 | 2.83 | 100.0 | ± 9.6 % |
|           |                                                | Y | 5.38  | 68.25  | 18.48 |      | 100.0 |         |
|           |                                                | Z | 5.41  | 68.54  | 18.62 |      | 100.0 |         |
| 10074-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps) | X | 5.57  | 68.68  | 19.00 | 3.30 | 100.0 | ± 9.6 % |
|           |                                                | Y | 5.43  | 68.33  | 18.73 |      | 100.0 |         |
|           |                                                | Z | 5.47  | 68.64  | 18.88 |      | 100.0 |         |
| 10075-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps) | X | 5.73  | 69.19  | 19.51 | 3.82 | 90.0  | ± 9.6 % |
|           |                                                | Y | 5.57  | 68.75  | 19.20 |      | 90.0  |         |
|           |                                                | Z | 5.61  | 69.08  | 19.36 |      | 90.0  |         |
| 10076-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps) | X | 5.76  | 69.02  | 19.65 | 4.15 | 90.0  | ± 9.6 % |
|           |                                                | Y | 5.60  | 68.61  | 19.35 |      | 90.0  |         |
|           |                                                | Z | 5.65  | 68.96  | 19.53 |      | 90.0  |         |
| 10077-CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps) | X | 5.80  | 69.13  | 19.76 | 4.30 | 90.0  | ± 9.6 % |
|           |                                                | Y | 5.64  | 68.71  | 19.46 |      | 90.0  |         |
|           |                                                | Z | 5.70  | 69.08  | 19.65 |      | 90.0  |         |

|           |                                                     |   |        |        |       |      |       |         |
|-----------|-----------------------------------------------------|---|--------|--------|-------|------|-------|---------|
| 10081-CAB | CDMA2000 (1xRTT, RC3)                               | X | 0.97   | 67.77  | 13.80 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 0.73   | 64.07  | 11.07 |      | 150.0 |         |
|           |                                                     | Z | 0.81   | 65.70  | 12.14 |      | 150.0 |         |
| 10082-CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate) | X | 2.25   | 64.31  | 9.20  | 4.77 | 80.0  | ± 9.6 % |
|           |                                                     | Y | 1.88   | 62.88  | 7.97  |      | 80.0  |         |
|           |                                                     | Z | 2.02   | 63.56  | 8.52  |      | 80.0  |         |
| 10090-DAC | GPRS-FDD (TDMA, GMSK, TN 0-4)                       | X | 100.00 | 119.60 | 31.28 | 6.56 | 60.0  | ± 9.6 % |
|           |                                                     | Y | 100.00 | 117.50 | 29.91 |      | 60.0  |         |
|           |                                                     | Z | 100.00 | 118.43 | 30.47 |      | 60.0  |         |
| 10097-CAB | UMTS-FDD (HSDPA)                                    | X | 1.89   | 68.21  | 16.12 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 1.73   | 66.65  | 14.94 |      | 150.0 |         |
|           |                                                     | Z | 1.81   | 67.75  | 15.61 |      | 150.0 |         |
| 10098-CAB | UMTS-FDD (HSUPA, Subtest 2)                         | X | 1.85   | 68.19  | 16.10 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 1.69   | 66.60  | 14.90 |      | 150.0 |         |
|           |                                                     | Z | 1.78   | 67.71  | 15.59 |      | 150.0 |         |
| 10099-DAC | EDGE-FDD (TDMA, 8PSK, TN 0-4)                       | X | 19.56  | 102.95 | 35.59 | 9.56 | 60.0  | ± 9.6 % |
|           |                                                     | Y | 18.00  | 101.62 | 35.03 |      | 60.0  |         |
|           |                                                     | Z | 20.69  | 105.25 | 36.41 |      | 60.0  |         |
| 10100-CAD | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)            | X | 3.30   | 71.09  | 17.05 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 3.01   | 69.46  | 16.11 |      | 150.0 |         |
|           |                                                     | Z | 3.13   | 70.42  | 16.66 |      | 150.0 |         |
| 10101-CAD | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)          | X | 3.35   | 67.99  | 16.21 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 3.20   | 67.18  | 15.65 |      | 150.0 |         |
|           |                                                     | Z | 3.25   | 67.66  | 15.95 |      | 150.0 |         |
| 10102-CAD | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)          | X | 3.45   | 67.89  | 16.28 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 3.31   | 67.16  | 15.76 |      | 150.0 |         |
|           |                                                     | Z | 3.35   | 67.61  | 16.03 |      | 150.0 |         |
| 10103-CAD | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)            | X | 8.68   | 78.34  | 21.41 | 3.98 | 65.0  | ± 9.6 % |
|           |                                                     | Y | 8.39   | 78.12  | 21.24 |      | 65.0  |         |
|           |                                                     | Z | 8.61   | 78.63  | 21.46 |      | 65.0  |         |
| 10104-CAD | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)          | X | 8.59   | 76.98  | 21.71 | 3.98 | 65.0  | ± 9.6 % |
|           |                                                     | Y | 8.24   | 76.55  | 21.45 |      | 65.0  |         |
|           |                                                     | Z | 8.42   | 77.02  | 21.66 |      | 65.0  |         |
| 10105-CAD | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)          | X | 8.27   | 76.21  | 21.68 | 3.98 | 65.0  | ± 9.6 % |
|           |                                                     | Y | 7.96   | 75.85  | 21.44 |      | 65.0  |         |
|           |                                                     | Z | 8.08   | 76.18  | 21.59 |      | 65.0  |         |
| 10108-CAE | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)            | X | 2.90   | 70.34  | 16.91 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 2.64   | 68.76  | 15.95 |      | 150.0 |         |
|           |                                                     | Z | 2.74   | 69.70  | 16.50 |      | 150.0 |         |
| 10109-CAE | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)          | X | 3.01   | 67.84  | 16.14 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 2.85   | 66.97  | 15.51 |      | 150.0 |         |
|           |                                                     | Z | 2.90   | 67.50  | 15.84 |      | 150.0 |         |
| 10110-CAE | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)             | X | 2.38   | 69.52  | 16.61 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 2.14   | 67.85  | 15.51 |      | 150.0 |         |
|           |                                                     | Z | 2.23   | 68.86  | 16.13 |      | 150.0 |         |
| 10111-CAE | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)           | X | 2.71   | 68.52  | 16.43 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                     | Y | 2.53   | 67.49  | 15.63 |      | 150.0 |         |
|           |                                                     | Z | 2.60   | 68.20  | 16.05 |      | 150.0 |         |

|           |                                                |   |      |       |       |      |       |         |
|-----------|------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10112-CAE | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)     | X | 3.13 | 67.76 | 16.17 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 2.98 | 66.98 | 15.59 |      | 150.0 |         |
|           |                                                | Z | 3.02 | 67.48 | 15.89 |      | 150.0 |         |
| 10113-CAE | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)      | X | 2.86 | 68.59 | 16.53 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 2.69 | 67.66 | 15.79 |      | 150.0 |         |
|           |                                                | Z | 2.75 | 68.32 | 16.17 |      | 150.0 |         |
| 10114-CAC | IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)  | X | 5.22 | 67.41 | 16.60 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 5.16 | 67.20 | 16.42 |      | 150.0 |         |
|           |                                                | Z | 5.15 | 67.40 | 16.52 |      | 150.0 |         |
| 10115-CAC | IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)  | X | 5.59 | 67.76 | 16.79 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 5.47 | 67.41 | 16.54 |      | 150.0 |         |
|           |                                                | Z | 5.46 | 67.57 | 16.61 |      | 150.0 |         |
| 10116-CAC | IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM) | X | 5.35 | 67.70 | 16.67 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 5.27 | 67.44 | 16.47 |      | 150.0 |         |
|           |                                                | Z | 5.26 | 67.61 | 16.55 |      | 150.0 |         |
| 10117-CAC | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)       | X | 5.21 | 67.36 | 16.59 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 5.12 | 67.05 | 16.36 |      | 150.0 |         |
|           |                                                | Z | 5.11 | 67.24 | 16.46 |      | 150.0 |         |
| 10118-CAC | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)       | X | 5.68 | 67.99 | 16.91 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 5.59 | 67.74 | 16.72 |      | 150.0 |         |
|           |                                                | Z | 5.55 | 67.82 | 16.75 |      | 150.0 |         |
| 10119-CAC | IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)      | X | 5.33 | 67.64 | 16.65 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 5.25 | 67.40 | 16.46 |      | 150.0 |         |
|           |                                                | Z | 5.23 | 67.56 | 16.54 |      | 150.0 |         |
| 10140-CAD | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)     | X | 3.49 | 67.90 | 16.20 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 3.35 | 67.17 | 15.68 |      | 150.0 |         |
|           |                                                | Z | 3.38 | 67.62 | 15.95 |      | 150.0 |         |
| 10141-CAD | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)     | X | 3.61 | 67.94 | 16.34 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 3.47 | 67.27 | 15.86 |      | 150.0 |         |
|           |                                                | Z | 3.51 | 67.70 | 16.12 |      | 150.0 |         |
| 10142-CAD | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)        | X | 2.16 | 69.56 | 16.39 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 1.89 | 67.62 | 15.05 |      | 150.0 |         |
|           |                                                | Z | 1.99 | 68.80 | 15.75 |      | 150.0 |         |
| 10143-CAD | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)      | X | 2.59 | 69.29 | 16.26 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 2.35 | 67.87 | 15.16 |      | 150.0 |         |
|           |                                                | Z | 2.44 | 68.82 | 15.68 |      | 150.0 |         |
| 10144-CAD | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)      | X | 2.39 | 67.25 | 14.80 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 2.18 | 65.99 | 13.75 |      | 150.0 |         |
|           |                                                | Z | 2.24 | 66.71 | 14.17 |      | 150.0 |         |
| 10145-CAE | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)      | X | 1.43 | 66.95 | 13.27 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 1.14 | 64.01 | 11.00 |      | 150.0 |         |
|           |                                                | Z | 1.19 | 64.93 | 11.55 |      | 150.0 |         |
| 10146-CAE | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)    | X | 2.88 | 71.44 | 15.09 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 2.19 | 68.05 | 12.99 |      | 150.0 |         |
|           |                                                | Z | 2.00 | 66.89 | 12.10 |      | 150.0 |         |
| 10147-CAE | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)    | X | 3.73 | 75.07 | 16.77 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                | Y | 2.71 | 70.86 | 14.41 |      | 150.0 |         |
|           |                                                | Z | 2.36 | 69.01 | 13.24 |      | 150.0 |         |

|           |                                            |   |      |       |       |      |       |         |
|-----------|--------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10149-CAD | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)  | X | 3.02 | 67.89 | 16.19 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.86 | 67.02 | 15.55 |      | 150.0 |         |
|           |                                            | Z | 2.91 | 67.56 | 15.88 |      | 150.0 |         |
| 10150-CAD | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)  | X | 3.14 | 67.81 | 16.21 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.99 | 67.03 | 15.62 |      | 150.0 |         |
|           |                                            | Z | 3.03 | 67.53 | 15.93 |      | 150.0 |         |
| 10151-CAD | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)    | X | 9.24 | 80.70 | 22.42 | 3.98 | 65.0  | ± 9.6 % |
|           |                                            | Y | 8.94 | 80.53 | 22.24 |      | 65.0  |         |
|           |                                            | Z | 9.27 | 81.24 | 22.54 |      | 65.0  |         |
| 10152-CAD | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)  | X | 8.24 | 77.24 | 21.58 | 3.98 | 65.0  | ± 9.6 % |
|           |                                            | Y | 7.84 | 76.70 | 21.22 |      | 65.0  |         |
|           |                                            | Z | 8.05 | 77.25 | 21.46 |      | 65.0  |         |
| 10153-CAD | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)  | X | 8.60 | 77.96 | 22.20 | 3.98 | 65.0  | ± 9.6 % |
|           |                                            | Y | 8.27 | 77.61 | 21.94 |      | 65.0  |         |
|           |                                            | Z | 8.46 | 78.10 | 22.14 |      | 65.0  |         |
| 10154-CAE | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)    | X | 2.43 | 69.95 | 16.88 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.18 | 68.21 | 15.75 |      | 150.0 |         |
|           |                                            | Z | 2.27 | 69.24 | 16.37 |      | 150.0 |         |
| 10155-CAE | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)  | X | 2.71 | 68.53 | 16.44 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.53 | 67.50 | 15.65 |      | 150.0 |         |
|           |                                            | Z | 2.60 | 68.21 | 16.06 |      | 150.0 |         |
| 10156-CAE | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)     | X | 2.02 | 69.83 | 16.32 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 1.73 | 67.53 | 14.74 |      | 150.0 |         |
|           |                                            | Z | 1.84 | 68.84 | 15.51 |      | 150.0 |         |
| 10157-CAE | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)   | X | 2.24 | 67.95 | 14.94 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 1.99 | 66.32 | 13.65 |      | 150.0 |         |
|           |                                            | Z | 2.07 | 67.20 | 14.15 |      | 150.0 |         |
| 10158-CAE | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)  | X | 2.87 | 68.64 | 16.57 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.69 | 67.71 | 15.83 |      | 150.0 |         |
|           |                                            | Z | 2.75 | 68.38 | 16.22 |      | 150.0 |         |
| 10159-CAE | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   | X | 2.35 | 68.36 | 15.21 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.09 | 66.69 | 13.90 |      | 150.0 |         |
|           |                                            | Z | 2.17 | 67.60 | 14.40 |      | 150.0 |         |
| 10160-CAD | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)    | X | 2.90 | 69.35 | 16.70 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.71 | 68.24 | 15.94 |      | 150.0 |         |
|           |                                            | Z | 2.77 | 68.92 | 16.36 |      | 150.0 |         |
| 10161-CAD | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)  | X | 3.03 | 67.73 | 16.15 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.88 | 66.94 | 15.54 |      | 150.0 |         |
|           |                                            | Z | 2.92 | 67.46 | 15.85 |      | 150.0 |         |
| 10162-CAD | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)  | X | 3.14 | 67.82 | 16.23 | 0.00 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.99 | 67.08 | 15.65 |      | 150.0 |         |
|           |                                            | Z | 3.03 | 67.60 | 15.96 |      | 150.0 |         |
| 10166-CAE | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)   | X | 3.79 | 70.15 | 19.63 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.61 | 69.64 | 19.37 |      | 150.0 |         |
|           |                                            | Z | 3.59 | 69.77 | 19.29 |      | 150.0 |         |
| 10167-CAE | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | X | 4.70 | 73.05 | 20.10 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 4.36 | 72.33 | 19.76 |      | 150.0 |         |
|           |                                            | Z | 4.38 | 72.59 | 19.72 |      | 150.0 |         |

|           |                                            |   |       |        |       |      |       |         |
|-----------|--------------------------------------------|---|-------|--------|-------|------|-------|---------|
| 10168-CAE | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | X | 5.13  | 74.98  | 21.26 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 4.81  | 74.54  | 21.08 |      | 150.0 |         |
|           |                                            | Z | 4.81  | 74.66  | 20.96 |      | 150.0 |         |
| 10169-CAD | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)      | X | 3.24  | 70.32  | 19.77 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.95  | 68.97  | 19.14 |      | 150.0 |         |
|           |                                            | Z | 2.96  | 69.16  | 19.07 |      | 150.0 |         |
| 10170-CAD | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)    | X | 4.47  | 76.14  | 21.98 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.92  | 74.50  | 21.37 |      | 150.0 |         |
|           |                                            | Z | 3.95  | 74.66  | 21.22 |      | 150.0 |         |
| 10171-AAD | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)    | X | 3.75  | 72.35  | 19.45 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.27  | 70.62  | 18.68 |      | 150.0 |         |
|           |                                            | Z | 3.32  | 71.00  | 18.68 |      | 150.0 |         |
| 10172-CAD | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)      | X | 25.61 | 107.79 | 33.43 | 6.02 | 65.0  | ± 9.6 % |
|           |                                            | Y | 22.14 | 106.45 | 33.18 |      | 65.0  |         |
|           |                                            | Z | 23.36 | 107.08 | 33.16 |      | 65.0  |         |
| 10173-CAD | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)    | X | 28.53 | 105.12 | 30.95 | 6.02 | 65.0  | ± 9.6 % |
|           |                                            | Y | 32.15 | 108.79 | 32.08 |      | 65.0  |         |
|           |                                            | Z | 30.18 | 106.96 | 31.30 |      | 65.0  |         |
| 10174-CAD | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)    | X | 22.70 | 99.68  | 28.85 | 6.02 | 65.0  | ± 9.6 % |
|           |                                            | Y | 24.46 | 102.42 | 29.70 |      | 65.0  |         |
|           |                                            | Z | 22.92 | 100.73 | 28.97 |      | 65.0  |         |
| 10175-CAE | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)      | X | 3.21  | 70.03  | 19.54 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.92  | 68.68  | 18.89 |      | 150.0 |         |
|           |                                            | Z | 2.93  | 68.89  | 18.85 |      | 150.0 |         |
| 10176-CAE | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)    | X | 4.48  | 76.16  | 21.99 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.92  | 74.53  | 21.39 |      | 150.0 |         |
|           |                                            | Z | 3.95  | 74.68  | 21.24 |      | 150.0 |         |
| 10177-CAG | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)       | X | 3.23  | 70.18  | 19.63 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.94  | 68.82  | 18.99 |      | 150.0 |         |
|           |                                            | Z | 2.95  | 69.02  | 18.93 |      | 150.0 |         |
| 10178-CAE | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)     | X | 4.43  | 75.93  | 21.86 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.88  | 74.30  | 21.26 |      | 150.0 |         |
|           |                                            | Z | 3.92  | 74.49  | 21.13 |      | 150.0 |         |
| 10179-CAE | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)    | X | 4.09  | 74.17  | 20.60 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.57  | 72.47  | 19.91 |      | 150.0 |         |
|           |                                            | Z | 3.61  | 72.76  | 19.84 |      | 150.0 |         |
| 10180-CAE | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)     | X | 3.74  | 72.28  | 19.40 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.26  | 70.55  | 18.63 |      | 150.0 |         |
|           |                                            | Z | 3.31  | 70.94  | 18.64 |      | 150.0 |         |
| 10181-CAD | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)      | X | 3.23  | 70.16  | 19.62 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 2.94  | 68.81  | 18.98 |      | 150.0 |         |
|           |                                            | Z | 2.94  | 69.01  | 18.92 |      | 150.0 |         |
| 10182-CAD | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)    | X | 4.42  | 75.91  | 21.85 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.87  | 74.28  | 21.25 |      | 150.0 |         |
|           |                                            | Z | 3.91  | 74.47  | 21.12 |      | 150.0 |         |
| 10183-AAC | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)    | X | 3.73  | 72.25  | 19.39 | 3.01 | 150.0 | ± 9.6 % |
|           |                                            | Y | 3.25  | 70.53  | 18.62 |      | 150.0 |         |
|           |                                            | Z | 3.31  | 70.92  | 18.63 |      | 150.0 |         |

|           |                                               |   |      |       |       |      |       |         |
|-----------|-----------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10184-CAD | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)          | X | 3.24 | 70.20 | 19.64 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 2.95 | 68.85 | 19.00 |      | 150.0 |         |
|           |                                               | Z | 2.95 | 69.05 | 18.94 |      | 150.0 |         |
| 10185-CAD | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)        | X | 4.44 | 75.97 | 21.89 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 3.89 | 74.35 | 21.29 |      | 150.0 |         |
|           |                                               | Z | 3.93 | 74.54 | 21.15 |      | 150.0 |         |
| 10186-AAD | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)        | X | 3.75 | 72.32 | 19.42 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 3.27 | 70.59 | 18.65 |      | 150.0 |         |
|           |                                               | Z | 3.32 | 70.99 | 18.66 |      | 150.0 |         |
| 10187-CAE | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)        | X | 3.25 | 70.25 | 19.70 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 2.96 | 68.90 | 19.06 |      | 150.0 |         |
|           |                                               | Z | 2.96 | 69.09 | 19.00 |      | 150.0 |         |
| 10188-CAE | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)      | X | 4.58 | 76.60 | 22.24 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.01 | 74.99 | 21.66 |      | 150.0 |         |
|           |                                               | Z | 4.04 | 75.11 | 21.49 |      | 150.0 |         |
| 10189-AAE | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)      | X | 3.83 | 72.73 | 19.68 | 3.01 | 150.0 | ± 9.6 % |
|           |                                               | Y | 3.34 | 71.00 | 18.93 |      | 150.0 |         |
|           |                                               | Z | 3.39 | 71.37 | 18.92 |      | 150.0 |         |
| 10193-CAC | IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)  | X | 4.62 | 66.80 | 16.33 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.53 | 66.52 | 16.07 |      | 150.0 |         |
|           |                                               | Z | 4.53 | 66.76 | 16.19 |      | 150.0 |         |
| 10194-CAC | IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) | X | 4.81 | 67.15 | 16.45 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.70 | 66.84 | 16.20 |      | 150.0 |         |
|           |                                               | Z | 4.71 | 67.08 | 16.32 |      | 150.0 |         |
| 10195-CAC | IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) | X | 4.85 | 67.17 | 16.46 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.75 | 66.88 | 16.22 |      | 150.0 |         |
|           |                                               | Z | 4.75 | 67.11 | 16.34 |      | 150.0 |         |
| 10196-CAC | IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)       | X | 4.64 | 66.89 | 16.36 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.53 | 66.59 | 16.09 |      | 150.0 |         |
|           |                                               | Z | 4.54 | 66.82 | 16.21 |      | 150.0 |         |
| 10197-CAC | IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)      | X | 4.83 | 67.17 | 16.47 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.72 | 66.87 | 16.21 |      | 150.0 |         |
|           |                                               | Z | 4.72 | 67.10 | 16.33 |      | 150.0 |         |
| 10198-CAC | IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)      | X | 4.86 | 67.19 | 16.48 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.75 | 66.90 | 16.23 |      | 150.0 |         |
|           |                                               | Z | 4.75 | 67.13 | 16.35 |      | 150.0 |         |
| 10219-CAC | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)       | X | 4.58 | 66.90 | 16.32 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.48 | 66.59 | 16.05 |      | 150.0 |         |
|           |                                               | Z | 4.49 | 66.83 | 16.17 |      | 150.0 |         |
| 10220-CAC | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)    | X | 4.82 | 67.15 | 16.46 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.71 | 66.84 | 16.21 |      | 150.0 |         |
|           |                                               | Z | 4.71 | 67.07 | 16.32 |      | 150.0 |         |
| 10221-CAC | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)    | X | 4.86 | 67.12 | 16.46 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 4.76 | 66.83 | 16.22 |      | 150.0 |         |
|           |                                               | Z | 4.76 | 67.06 | 16.33 |      | 150.0 |         |
| 10222-CAC | IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)        | X | 5.19 | 67.37 | 16.59 | 0.00 | 150.0 | ± 9.6 % |
|           |                                               | Y | 5.09 | 67.05 | 16.35 |      | 150.0 |         |
|           |                                               | Z | 5.09 | 67.25 | 16.45 |      | 150.0 |         |

|           |                                           |   |       |        |       |      |       |         |
|-----------|-------------------------------------------|---|-------|--------|-------|------|-------|---------|
| 10223-CAC | IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)  | X | 5.52  | 67.63  | 16.74 | 0.00 | 150.0 | ± 9.6 % |
|           |                                           | Y | 5.42  | 67.33  | 16.53 |      | 150.0 |         |
|           |                                           | Z | 5.40  | 67.49  | 16.60 |      | 150.0 |         |
| 10224-CAC | IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM) | X | 5.23  | 67.46  | 16.56 | 0.00 | 150.0 | ± 9.6 % |
|           |                                           | Y | 5.14  | 67.16  | 16.34 |      | 150.0 |         |
|           |                                           | Z | 5.13  | 67.36  | 16.43 |      | 150.0 |         |
| 10225-CAB | UMTS-FDD (HSPA+)                          | X | 2.89  | 66.40  | 15.64 | 0.00 | 150.0 | ± 9.6 % |
|           |                                           | Y | 2.77  | 65.79  | 15.06 |      | 150.0 |         |
|           |                                           | Z | 2.80  | 66.23  | 15.32 |      | 150.0 |         |
| 10226-CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)  | X | 30.12 | 106.23 | 31.36 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 34.82 | 110.42 | 32.62 |      | 65.0  |         |
|           |                                           | Z | 32.27 | 108.32 | 31.77 |      | 65.0  |         |
| 10227-CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)  | X | 24.97 | 101.48 | 29.46 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 29.42 | 105.79 | 30.75 |      | 65.0  |         |
|           |                                           | Z | 27.01 | 103.63 | 29.87 |      | 65.0  |         |
| 10228-CAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)    | X | 29.67 | 111.13 | 34.49 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 27.16 | 110.89 | 34.56 |      | 65.0  |         |
|           |                                           | Z | 28.51 | 111.32 | 34.46 |      | 65.0  |         |
| 10229-CAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)    | X | 28.56 | 105.12 | 30.96 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 32.23 | 108.82 | 32.10 |      | 65.0  |         |
|           |                                           | Z | 30.23 | 106.98 | 31.31 |      | 65.0  |         |
| 10230-CAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)    | X | 23.87 | 100.59 | 29.13 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 27.48 | 104.47 | 30.31 |      | 65.0  |         |
|           |                                           | Z | 25.51 | 102.53 | 29.49 |      | 65.0  |         |
| 10231-CAB | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)      | X | 28.15 | 109.97 | 34.08 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 25.42 | 109.44 | 34.06 |      | 65.0  |         |
|           |                                           | Z | 26.84 | 110.01 | 34.01 |      | 65.0  |         |
| 10232-CAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)    | X | 28.55 | 105.12 | 30.96 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 32.22 | 108.83 | 32.10 |      | 65.0  |         |
|           |                                           | Z | 30.23 | 106.99 | 31.32 |      | 65.0  |         |
| 10233-CAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)    | X | 23.88 | 100.61 | 29.14 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 27.47 | 104.47 | 30.31 |      | 65.0  |         |
|           |                                           | Z | 25.50 | 102.54 | 29.49 |      | 65.0  |         |
| 10234-CAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)      | X | 26.72 | 108.74 | 33.63 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 23.94 | 108.04 | 33.55 |      | 65.0  |         |
|           |                                           | Z | 25.35 | 108.68 | 33.52 |      | 65.0  |         |
| 10235-CAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)   | X | 28.64 | 105.19 | 30.98 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 32.35 | 108.91 | 32.12 |      | 65.0  |         |
|           |                                           | Z | 30.34 | 107.07 | 31.34 |      | 65.0  |         |
| 10236-CAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)   | X | 24.09 | 100.74 | 29.17 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 27.77 | 104.64 | 30.35 |      | 65.0  |         |
|           |                                           | Z | 25.76 | 102.69 | 29.53 |      | 65.0  |         |
| 10237-CAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)     | X | 28.42 | 110.18 | 34.15 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 25.64 | 109.64 | 34.12 |      | 65.0  |         |
|           |                                           | Z | 27.09 | 110.23 | 34.07 |      | 65.0  |         |
| 10238-CAD | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)   | X | 28.55 | 105.14 | 30.97 | 6.02 | 65.0  | ± 9.6 % |
|           |                                           | Y | 32.21 | 108.84 | 32.10 |      | 65.0  |         |
|           |                                           | Z | 30.22 | 107.00 | 31.32 |      | 65.0  |         |

|           |                                            |   |       |        |       |      |      |         |
|-----------|--------------------------------------------|---|-------|--------|-------|------|------|---------|
| 10239-CAD | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)    | X | 23.87 | 100.62 | 29.14 | 6.02 | 65.0 | ± 9.6 % |
|           |                                            | Y | 27.45 | 104.48 | 30.31 |      | 65.0 |         |
|           |                                            | Z | 25.49 | 102.55 | 29.50 |      | 65.0 |         |
| 10240-CAD | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)      | X | 28.32 | 110.12 | 34.13 | 6.02 | 65.0 | ± 9.6 % |
|           |                                            | Y | 25.54 | 109.58 | 34.10 |      | 65.0 |         |
|           |                                            | Z | 27.00 | 110.17 | 34.06 |      | 65.0 |         |
| 10241-CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | X | 12.01 | 86.44  | 27.50 | 6.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 11.32 | 86.10  | 27.36 |      | 65.0 |         |
|           |                                            | Z | 11.85 | 87.07  | 27.59 |      | 65.0 |         |
| 10242-CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | X | 11.22 | 84.92  | 26.83 | 6.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 10.54 | 84.52  | 26.66 |      | 65.0 |         |
|           |                                            | Z | 10.96 | 85.36  | 26.86 |      | 65.0 |         |
| 10243-CAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)   | X | 9.36  | 82.71  | 26.86 | 6.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 8.68  | 81.81  | 26.47 |      | 65.0 |         |
|           |                                            | Z | 9.04  | 82.81  | 26.78 |      | 65.0 |         |
| 10244-CAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)   | X | 9.20  | 80.16  | 20.97 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 8.90  | 79.99  | 20.57 |      | 65.0 |         |
|           |                                            | Z | 8.43  | 78.77  | 19.85 |      | 65.0 |         |
| 10245-CAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)   | X | 9.05  | 79.64  | 20.72 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 8.67  | 79.32  | 20.26 |      | 65.0 |         |
|           |                                            | Z | 8.23  | 78.16  | 19.56 |      | 65.0 |         |
| 10246-CAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)     | X | 9.25  | 82.90  | 21.89 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 8.35  | 81.34  | 20.87 |      | 65.0 |         |
|           |                                            | Z | 8.83  | 82.25  | 21.22 |      | 65.0 |         |
| 10247-CAD | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)   | X | 7.67  | 77.68  | 20.47 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 7.14  | 76.72  | 19.73 |      | 65.0 |         |
|           |                                            | Z | 7.35  | 77.20  | 19.90 |      | 65.0 |         |
| 10248-CAD | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)   | X | 7.65  | 77.19  | 20.27 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 7.09  | 76.18  | 19.49 |      | 65.0 |         |
|           |                                            | Z | 7.28  | 76.65  | 19.67 |      | 65.0 |         |
| 10249-CAD | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)     | X | 10.28 | 84.91  | 23.29 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 9.73  | 84.22  | 22.70 |      | 65.0 |         |
|           |                                            | Z | 10.33 | 85.25  | 23.10 |      | 65.0 |         |
| 10250-CAD | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)  | X | 8.56  | 79.63  | 22.54 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 8.21  | 79.30  | 22.21 |      | 65.0 |         |
|           |                                            | Z | 8.43  | 79.79  | 22.40 |      | 65.0 |         |
| 10251-CAD | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)  | X | 8.13  | 77.62  | 21.46 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 7.72  | 77.06  | 21.01 |      | 65.0 |         |
|           |                                            | Z | 7.94  | 77.62  | 21.25 |      | 65.0 |         |
| 10252-CAD | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)    | X | 10.04 | 83.94  | 23.64 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 9.73  | 83.79  | 23.39 |      | 65.0 |         |
|           |                                            | Z | 10.22 | 84.72  | 23.77 |      | 65.0 |         |
| 10253-CAD | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)  | X | 8.03  | 76.66  | 21.37 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 7.66  | 76.16  | 21.00 |      | 65.0 |         |
|           |                                            | Z | 7.86  | 76.71  | 21.24 |      | 65.0 |         |
| 10254-CAD | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)  | X | 8.40  | 77.39  | 21.95 | 3.98 | 65.0 | ± 9.6 % |
|           |                                            | Y | 8.07  | 77.03  | 21.65 |      | 65.0 |         |
|           |                                            | Z | 8.26  | 77.52  | 21.85 |      | 65.0 |         |

|           |                                             |   |       |       |       |      |      |         |
|-----------|---------------------------------------------|---|-------|-------|-------|------|------|---------|
| 10255-CAD | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)     | X | 8.96  | 80.36 | 22.51 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 8.65  | 80.17 | 22.31 |      | 65.0 |         |
|           |                                             | Z | 8.98  | 80.90 | 22.62 |      | 65.0 |         |
| 10256-CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | X | 8.08  | 77.70 | 19.21 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 7.41  | 76.61 | 18.34 |      | 65.0 |         |
|           |                                             | Z | 6.97  | 75.37 | 17.59 |      | 65.0 |         |
| 10257-CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | X | 7.88  | 76.96 | 18.83 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 7.14  | 75.71 | 17.88 |      | 65.0 |         |
|           |                                             | Z | 6.75  | 74.57 | 17.17 |      | 65.0 |         |
| 10258-CAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)   | X | 7.78  | 79.64 | 20.06 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 6.62  | 77.19 | 18.57 |      | 65.0 |         |
|           |                                             | Z | 6.94  | 77.88 | 18.85 |      | 65.0 |         |
| 10259-CAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)   | X | 8.02  | 78.38 | 21.20 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 7.56  | 77.67 | 20.62 |      | 65.0 |         |
|           |                                             | Z | 7.78  | 78.17 | 20.80 |      | 65.0 |         |
| 10260-CAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)   | X | 8.03  | 78.09 | 21.10 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 7.56  | 77.37 | 20.51 |      | 65.0 |         |
|           |                                             | Z | 7.76  | 77.83 | 20.68 |      | 65.0 |         |
| 10261-CAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)     | X | 9.78  | 83.86 | 23.23 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 9.31  | 83.32 | 22.75 |      | 65.0 |         |
|           |                                             | Z | 9.82  | 84.29 | 23.13 |      | 65.0 |         |
| 10262-CAD | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)   | X | 8.55  | 79.59 | 22.50 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 8.20  | 79.24 | 22.17 |      | 65.0 |         |
|           |                                             | Z | 8.42  | 79.74 | 22.36 |      | 65.0 |         |
| 10263-CAD | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)   | X | 8.12  | 77.61 | 21.45 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 7.71  | 77.05 | 21.01 |      | 65.0 |         |
|           |                                             | Z | 7.93  | 77.61 | 21.24 |      | 65.0 |         |
| 10264-CAD | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)     | X | 9.97  | 83.80 | 23.57 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 9.64  | 83.61 | 23.31 |      | 65.0 |         |
|           |                                             | Z | 10.14 | 84.55 | 23.69 |      | 65.0 |         |
| 10265-CAD | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)  | X | 8.24  | 77.24 | 21.58 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 7.84  | 76.71 | 21.22 |      | 65.0 |         |
|           |                                             | Z | 8.05  | 77.25 | 21.47 |      | 65.0 |         |
| 10266-CAD | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)  | X | 8.60  | 77.95 | 22.20 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 8.26  | 77.60 | 21.93 |      | 65.0 |         |
|           |                                             | Z | 8.45  | 78.09 | 22.14 |      | 65.0 |         |
| 10267-CAD | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)    | X | 9.23  | 80.67 | 22.41 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 8.93  | 80.49 | 22.22 |      | 65.0 |         |
|           |                                             | Z | 9.26  | 81.21 | 22.53 |      | 65.0 |         |
| 10268-CAD | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)  | X | 8.68  | 76.70 | 21.72 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 8.35  | 76.33 | 21.48 |      | 65.0 |         |
|           |                                             | Z | 8.51  | 76.76 | 21.67 |      | 65.0 |         |
| 10269-CAD | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)  | X | 8.61  | 76.29 | 21.63 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 8.29  | 75.93 | 21.38 |      | 65.0 |         |
|           |                                             | Z | 8.44  | 76.36 | 21.57 |      | 65.0 |         |
| 10270-CAD | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)    | X | 8.72  | 77.95 | 21.49 | 3.98 | 65.0 | ± 9.6 % |
|           |                                             | Y | 8.44  | 77.75 | 21.34 |      | 65.0 |         |
|           |                                             | Z | 8.65  | 78.26 | 21.56 |      | 65.0 |         |

|           |                                                                    |   |       |       |       |      |       |         |
|-----------|--------------------------------------------------------------------|---|-------|-------|-------|------|-------|---------|
| 10274-CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)                          | X | 2.65  | 66.73 | 15.53 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 2.53  | 66.00 | 14.87 |      | 150.0 |         |
|           |                                                                    | Z | 2.58  | 66.59 | 15.22 |      | 150.0 |         |
| 10275-CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)                           | X | 1.72  | 68.93 | 16.16 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 1.51  | 66.78 | 14.69 |      | 150.0 |         |
|           |                                                                    | Z | 1.61  | 68.10 | 15.52 |      | 150.0 |         |
| 10277-CAA | PHS (QPSK)                                                         | X | 5.72  | 69.80 | 14.27 | 9.03 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 4.91  | 67.88 | 12.66 |      | 50.0  |         |
|           |                                                                    | Z | 5.15  | 68.54 | 13.15 |      | 50.0  |         |
| 10278-CAA | PHS (QPSK, BW 884MHz, Rolloff 0.5)                                 | X | 8.85  | 78.92 | 20.42 | 9.03 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 7.98  | 77.31 | 19.14 |      | 50.0  |         |
|           |                                                                    | Z | 8.11  | 77.47 | 19.29 |      | 50.0  |         |
| 10279-CAA | PHS (QPSK, BW 884MHz, Rolloff 0.38)                                | X | 8.99  | 79.11 | 20.50 | 9.03 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 8.10  | 77.48 | 19.23 |      | 50.0  |         |
|           |                                                                    | Z | 8.23  | 77.64 | 19.38 |      | 50.0  |         |
| 10290-AAB | CDMA2000, RC1, SO55, Full Rate                                     | X | 1.69  | 70.53 | 15.18 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 1.25  | 66.50 | 12.56 |      | 150.0 |         |
|           |                                                                    | Z | 1.40  | 68.36 | 13.59 |      | 150.0 |         |
| 10291-AAB | CDMA2000, RC3, SO55, Full Rate                                     | X | 0.95  | 67.48 | 13.64 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 0.72  | 63.92 | 10.97 |      | 150.0 |         |
|           |                                                                    | Z | 0.79  | 65.48 | 12.01 |      | 150.0 |         |
| 10292-AAB | CDMA2000, RC3, SO32, Full Rate                                     | X | 1.29  | 72.80 | 16.48 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 0.83  | 66.41 | 12.61 |      | 150.0 |         |
|           |                                                                    | Z | 1.02  | 69.60 | 14.38 |      | 150.0 |         |
| 10293-AAB | CDMA2000, RC3, SO3, Full Rate                                      | X | 2.10  | 80.21 | 19.93 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 1.10  | 70.20 | 14.87 |      | 150.0 |         |
|           |                                                                    | Z | 1.60  | 75.99 | 17.57 |      | 150.0 |         |
| 10295-AAB | CDMA2000, RC1, SO3, 1/8th Rate 25 fr.                              | X | 11.30 | 84.68 | 24.49 | 9.03 | 50.0  | ± 9.6 % |
|           |                                                                    | Y | 11.80 | 85.70 | 24.41 |      | 50.0  |         |
|           |                                                                    | Z | 11.89 | 85.73 | 24.46 |      | 50.0  |         |
| 10297-AAC | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)                            | X | 2.91  | 70.44 | 16.97 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 2.65  | 68.85 | 16.01 |      | 150.0 |         |
|           |                                                                    | Z | 2.75  | 69.79 | 16.57 |      | 150.0 |         |
| 10298-AAC | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)                             | X | 1.77  | 69.10 | 15.14 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 1.44  | 66.22 | 13.11 |      | 150.0 |         |
|           |                                                                    | Z | 1.53  | 67.54 | 13.87 |      | 150.0 |         |
| 10299-AAC | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)                           | X | 3.44  | 73.52 | 16.85 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 2.88  | 71.29 | 15.45 |      | 150.0 |         |
|           |                                                                    | Z | 2.69  | 70.29 | 14.69 |      | 150.0 |         |
| 10300-AAC | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)                           | X | 2.46  | 67.83 | 13.54 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                    | Y | 2.09  | 66.06 | 12.24 |      | 150.0 |         |
|           |                                                                    | Z | 1.99  | 65.57 | 11.71 |      | 150.0 |         |
| 10301-AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)                 | X | 5.88  | 68.88 | 19.16 | 4.17 | 80.0  | ± 9.6 % |
|           |                                                                    | Y | 5.51  | 67.81 | 18.47 |      | 80.0  |         |
|           |                                                                    | Z | 5.71  | 68.72 | 18.91 |      | 80.0  |         |
| 10302-AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols) | X | 6.37  | 69.56 | 19.96 | 4.96 | 80.0  | ± 9.6 % |
|           |                                                                    | Y | 5.98  | 68.32 | 19.14 |      | 80.0  |         |
|           |                                                                    | Z | 6.20  | 69.38 | 19.70 |      | 80.0  |         |

|           |                                                                     |   |       |       |       |       |       |         |
|-----------|---------------------------------------------------------------------|---|-------|-------|-------|-------|-------|---------|
| 10303-AAA | IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)                 | X | 6.25  | 69.73 | 20.05 | 4.96  | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 5.81  | 68.31 | 19.13 |       | 80.0  |         |
|           |                                                                     | Z | 6.05  | 69.46 | 19.73 |       | 80.0  |         |
| 10304-AAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)                 | X | 5.83  | 68.83 | 19.14 | 4.17  | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 5.47  | 67.66 | 18.36 |       | 80.0  |         |
|           |                                                                     | Z | 5.67  | 68.66 | 18.87 |       | 80.0  |         |
| 10305-AAA | IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)    | X | 11.59 | 87.86 | 28.59 | 6.02  | 50.0  | ± 9.6 % |
|           |                                                                     | Y | 8.30  | 80.20 | 25.07 |       | 50.0  |         |
|           |                                                                     | Z | 10.73 | 86.12 | 27.50 |       | 50.0  |         |
| 10306-AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)    | X | 6.95  | 73.41 | 22.40 | 6.02  | 50.0  | ± 9.6 % |
|           |                                                                     | Y | 6.70  | 73.81 | 22.62 |       | 50.0  |         |
|           |                                                                     | Z | 6.66  | 72.86 | 21.87 |       | 50.0  |         |
| 10307-AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)     | X | 7.11  | 74.28 | 22.59 | 6.02  | 50.0  | ± 9.6 % |
|           |                                                                     | Y | 6.93  | 74.97 | 22.97 |       | 50.0  |         |
|           |                                                                     | Z | 6.77  | 73.56 | 22.00 |       | 50.0  |         |
| 10308-AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)                | X | 7.22  | 74.85 | 22.86 | 6.02  | 50.0  | ± 9.6 % |
|           |                                                                     | Y | 7.08  | 75.70 | 23.30 |       | 50.0  |         |
|           |                                                                     | Z | 8.15  | 79.17 | 24.90 |       | 50.0  |         |
| 10309-AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols) | X | 7.08  | 73.79 | 22.60 | 6.02  | 50.0  | ± 9.6 % |
|           |                                                                     | Y | 6.82  | 74.15 | 22.80 |       | 50.0  |         |
|           |                                                                     | Z | 6.77  | 73.19 | 22.06 |       | 50.0  |         |
| 10310-AAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)  | X | 7.00  | 73.73 | 22.45 | 6.02  | 50.0  | ± 9.6 % |
|           |                                                                     | Y | 6.79  | 74.28 | 22.75 |       | 50.0  |         |
|           |                                                                     | Z | 6.70  | 73.15 | 21.91 |       | 50.0  |         |
| 10311-AAC | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)                            | X | 3.27  | 69.63 | 16.57 | 0.00  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 2.99  | 68.15 | 15.70 |       | 150.0 |         |
|           |                                                                     | Z | 3.10  | 69.03 | 16.20 |       | 150.0 |         |
| 10313-AAA | iDEN 1:3                                                            | X | 7.67  | 78.82 | 19.03 | 6.99  | 70.0  | ± 9.6 % |
|           |                                                                     | Y | 6.82  | 77.24 | 18.08 |       | 70.0  |         |
|           |                                                                     | Z | 7.52  | 78.71 | 18.78 |       | 70.0  |         |
| 10314-AAA | iDEN 1:6                                                            | X | 9.54  | 84.04 | 23.30 | 10.00 | 30.0  | ± 9.6 % |
|           |                                                                     | Y | 9.16  | 83.89 | 22.95 |       | 30.0  |         |
|           |                                                                     | Z | 9.80  | 84.95 | 23.44 |       | 30.0  |         |
| 10315-AAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)           | X | 1.17  | 65.05 | 15.97 | 0.17  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 1.09  | 63.78 | 14.85 |       | 150.0 |         |
|           |                                                                     | Z | 1.13  | 64.61 | 15.50 |       | 150.0 |         |
| 10316-AAB | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)       | X | 4.73  | 67.02 | 16.56 | 0.17  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.63  | 66.73 | 16.31 |       | 150.0 |         |
|           |                                                                     | Z | 4.64  | 66.97 | 16.43 |       | 150.0 |         |
| 10317-AAC | IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)             | X | 4.73  | 67.02 | 16.56 | 0.17  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.63  | 66.73 | 16.31 |       | 150.0 |         |
|           |                                                                     | Z | 4.64  | 66.97 | 16.43 |       | 150.0 |         |
| 10400-AAD | IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)                 | X | 4.82  | 67.23 | 16.46 | 0.00  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.70  | 66.92 | 16.20 |       | 150.0 |         |
|           |                                                                     | Z | 4.70  | 67.16 | 16.33 |       | 150.0 |         |
| 10401-AAD | IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)                 | X | 5.50  | 67.42 | 16.62 | 0.00  | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 5.45  | 67.29 | 16.49 |       | 150.0 |         |
|           |                                                                     | Z | 5.44  | 67.46 | 16.57 |       | 150.0 |         |

|           |                                                                                 |   |        |        |       |      |       |         |
|-----------|---------------------------------------------------------------------------------|---|--------|--------|-------|------|-------|---------|
| 10402-AAD | IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)                             | X | 5.77   | 67.80  | 16.65 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                 | Y | 5.67   | 67.48  | 16.43 |      | 150.0 |         |
|           |                                                                                 | Z | 5.66   | 67.64  | 16.50 |      | 150.0 |         |
| 10403-AAB | CDMA2000 (1xEV-DO, Rev. 0)                                                      | X | 1.69   | 70.53  | 15.18 | 0.00 | 115.0 | ± 9.6 % |
|           |                                                                                 | Y | 1.25   | 66.50  | 12.56 |      | 115.0 |         |
|           |                                                                                 | Z | 1.40   | 68.36  | 13.59 |      | 115.0 |         |
| 10404-AAB | CDMA2000 (1xEV-DO, Rev. A)                                                      | X | 1.69   | 70.53  | 15.18 | 0.00 | 115.0 | ± 9.6 % |
|           |                                                                                 | Y | 1.25   | 66.50  | 12.56 |      | 115.0 |         |
|           |                                                                                 | Z | 1.40   | 68.36  | 13.59 |      | 115.0 |         |
| 10406-AAB | CDMA2000, RC3, SO32, SCH0, Full Rate                                            | X | 58.29  | 119.52 | 31.57 | 0.00 | 100.0 | ± 9.6 % |
|           |                                                                                 | Y | 82.81  | 124.83 | 32.44 |      | 100.0 |         |
|           |                                                                                 | Z | 53.04  | 115.96 | 29.70 |      | 100.0 |         |
| 10410-AAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4) | X | 100.00 | 122.33 | 31.60 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                                 | Y | 100.00 | 122.90 | 31.55 |      | 80.0  |         |
|           |                                                                                 | Z | 100.00 | 121.45 | 30.83 |      | 80.0  |         |
| 10415-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)                       | X | 1.01   | 63.41  | 15.03 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                 | Y | 0.96   | 62.37  | 13.98 |      | 150.0 |         |
|           |                                                                                 | Z | 0.99   | 63.08  | 14.59 |      | 150.0 |         |
| 10416-AAA | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)                   | X | 4.63   | 66.84  | 16.39 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                 | Y | 4.53   | 66.56  | 16.14 |      | 150.0 |         |
|           |                                                                                 | Z | 4.54   | 66.80  | 16.26 |      | 150.0 |         |
| 10417-AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)                       | X | 4.63   | 66.84  | 16.39 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                 | Y | 4.53   | 66.56  | 16.14 |      | 150.0 |         |
|           |                                                                                 | Z | 4.54   | 66.80  | 16.26 |      | 150.0 |         |
| 10418-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preamble)   | X | 4.61   | 66.99  | 16.40 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                 | Y | 4.52   | 66.70  | 16.14 |      | 150.0 |         |
|           |                                                                                 | Z | 4.53   | 66.96  | 16.28 |      | 150.0 |         |
| 10419-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preamble)  | X | 4.64   | 66.94  | 16.40 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                 | Y | 4.54   | 66.66  | 16.15 |      | 150.0 |         |
|           |                                                                                 | Z | 4.55   | 66.91  | 16.28 |      | 150.0 |         |
| 10422-AAB | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)                                    | X | 4.76   | 66.95  | 16.42 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                 | Y | 4.66   | 66.68  | 16.18 |      | 150.0 |         |
|           |                                                                                 | Z | 4.67   | 66.91  | 16.30 |      | 150.0 |         |
| 10423-AAB | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)                                 | X | 4.95   | 67.31  | 16.55 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                 | Y | 4.83   | 67.01  | 16.30 |      | 150.0 |         |
|           |                                                                                 | Z | 4.83   | 67.23  | 16.42 |      | 150.0 |         |
| 10424-AAB | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)                                 | X | 4.86   | 67.25  | 16.52 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                 | Y | 4.75   | 66.95  | 16.27 |      | 150.0 |         |
|           |                                                                                 | Z | 4.75   | 67.18  | 16.39 |      | 150.0 |         |
| 10425-AAB | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)                                     | X | 5.48   | 67.66  | 16.74 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                 | Y | 5.40   | 67.43  | 16.55 |      | 150.0 |         |
|           |                                                                                 | Z | 5.38   | 67.57  | 16.61 |      | 150.0 |         |
| 10426-AAB | IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)                                   | X | 5.48   | 67.68  | 16.74 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                                 | Y | 5.41   | 67.49  | 16.57 |      | 150.0 |         |
|           |                                                                                 | Z | 5.39   | 67.62  | 16.64 |      | 150.0 |         |

|           |                                                                |   |        |        |       |      |       |         |
|-----------|----------------------------------------------------------------|---|--------|--------|-------|------|-------|---------|
| 10427-AAB | IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)                 | X | 5.49   | 67.63  | 16.71 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 5.41   | 67.41  | 16.53 |      | 150.0 |         |
|           |                                                                | Z | 5.39   | 67.56  | 16.60 |      | 150.0 |         |
| 10430-AAB | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)                               | X | 4.28   | 70.45  | 18.15 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.15   | 70.21  | 17.82 |      | 150.0 |         |
|           |                                                                | Z | 4.17   | 70.53  | 17.95 |      | 150.0 |         |
| 10431-AAB | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)                              | X | 4.34   | 67.42  | 16.43 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.21   | 67.05  | 16.09 |      | 150.0 |         |
|           |                                                                | Z | 4.21   | 67.35  | 16.24 |      | 150.0 |         |
| 10432-AAB | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)                              | X | 4.63   | 67.29  | 16.48 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.51   | 66.97  | 16.19 |      | 150.0 |         |
|           |                                                                | Z | 4.52   | 67.23  | 16.33 |      | 150.0 |         |
| 10433-AAB | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)                              | X | 4.88   | 67.28  | 16.54 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.77   | 66.98  | 16.29 |      | 150.0 |         |
|           |                                                                | Z | 4.77   | 67.21  | 16.41 |      | 150.0 |         |
| 10434-AAA | W-CDMA (BS Test Model 1, 64 DPCH)                              | X | 4.37   | 71.21  | 18.12 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.21   | 70.88  | 17.70 |      | 150.0 |         |
|           |                                                                | Z | 4.25   | 71.29  | 17.86 |      | 150.0 |         |
| 10435-AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) | X | 100.00 | 122.16 | 31.53 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                | Y | 100.00 | 122.71 | 31.47 |      | 80.0  |         |
|           |                                                                | Z | 100.00 | 121.26 | 30.74 |      | 80.0  |         |
| 10447-AAB | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)                 | X | 3.64   | 67.48  | 15.86 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 3.47   | 66.90  | 15.30 |      | 150.0 |         |
|           |                                                                | Z | 3.50   | 67.31  | 15.51 |      | 150.0 |         |
| 10448-AAB | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)                | X | 4.17   | 67.19  | 16.29 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.04   | 66.82  | 15.93 |      | 150.0 |         |
|           |                                                                | Z | 4.05   | 67.12  | 16.10 |      | 150.0 |         |
| 10449-AAB | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)                | X | 4.43   | 67.11  | 16.37 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.32   | 66.77  | 16.08 |      | 150.0 |         |
|           |                                                                | Z | 4.33   | 67.04  | 16.22 |      | 150.0 |         |
| 10450-AAB | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)                | X | 4.62   | 67.04  | 16.39 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 4.52   | 66.72  | 16.12 |      | 150.0 |         |
|           |                                                                | Z | 4.52   | 66.97  | 16.25 |      | 150.0 |         |
| 10451-AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)                | X | 3.56   | 67.73  | 15.55 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 3.35   | 67.01  | 14.87 |      | 150.0 |         |
|           |                                                                | Z | 3.38   | 67.45  | 15.09 |      | 150.0 |         |
| 10456-AAB | IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)           | X | 6.34   | 68.21  | 16.88 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 6.27   | 67.98  | 16.71 |      | 150.0 |         |
|           |                                                                | Z | 6.25   | 68.10  | 16.76 |      | 150.0 |         |
| 10457-AAA | UMTS-FDD (DC-HSDPA)                                            | X | 3.84   | 65.46  | 16.11 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 3.77   | 65.19  | 15.83 |      | 150.0 |         |
|           |                                                                | Z | 3.79   | 65.43  | 15.97 |      | 150.0 |         |
| 10458-AAA | CDMA2000 (1xEV-DO, Rev. B, 2 carriers)                         | X | 4.00   | 70.46  | 17.58 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 3.84   | 70.06  | 17.04 |      | 150.0 |         |
|           |                                                                | Z | 3.90   | 70.60  | 17.26 |      | 150.0 |         |
| 10459-AAA | CDMA2000 (1xEV-DO, Rev. B, 3 carriers)                         | X | 5.11   | 67.94  | 18.07 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                | Y | 5.02   | 68.02  | 17.94 |      | 150.0 |         |
|           |                                                                | Z | 5.00   | 68.15  | 17.94 |      | 150.0 |         |

|           |                                                                   |   |        |        |       |      |       |         |
|-----------|-------------------------------------------------------------------|---|--------|--------|-------|------|-------|---------|
| 10460-AAA | UMTS-FDD (WCDMA, AMR)                                             | X | 0.99   | 70.19  | 17.21 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                   | Y | 0.79   | 66.24  | 14.56 |      | 150.0 |         |
|           |                                                                   | Z | 0.89   | 68.50  | 16.06 |      | 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 | 125.48 | 33.13 | 3.29 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 100.00 | 126.71 | 33.38 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 124.78 | 32.43 |      | 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 | 111.35 | 26.37 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 100.00 | 110.68 | 25.72 |      | 80.0  |         |
|           |                                                                   | Z | 99.96  | 108.86 | 24.85 |      | 80.0  |         |
| 10463-AAA | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 100.00 | 108.43 | 24.96 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 100.00 | 107.27 | 24.09 |      | 80.0  |         |
|           |                                                                   | Z | 11.86  | 83.93  | 17.98 |      | 80.0  |         |
| 10464-AAA | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 100.00 | 123.68 | 32.14 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 100.00 | 124.66 | 32.27 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 122.71 | 31.32 |      | 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 | 110.89 | 26.14 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 100.00 | 110.13 | 25.45 |      | 80.0  |         |
|           |                                                                   | Z | 38.00  | 97.98  | 22.23 |      | 80.0  |         |
| 10466-AAA | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 66.21  | 103.47 | 23.73 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 29.96  | 94.21  | 20.95 |      | 80.0  |         |
|           |                                                                   | Z | 7.74   | 79.35  | 16.55 |      | 80.0  |         |
| 10467-AAC | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 100.00 | 123.89 | 32.23 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 100.00 | 124.90 | 32.38 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 122.94 | 31.42 |      | 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 | 111.04 | 26.21 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 100.00 | 110.31 | 25.54 |      | 80.0  |         |
|           |                                                                   | Z | 48.22  | 100.68 | 22.91 |      | 80.0  |         |
| 10469-AAC | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 70.15  | 104.12 | 23.88 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 31.63  | 94.80  | 21.09 |      | 80.0  |         |
|           |                                                                   | Z | 7.88   | 79.54  | 16.61 |      | 80.0  |         |
| 10470-AAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | X | 100.00 | 123.92 | 32.24 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 100.00 | 124.94 | 32.38 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 122.97 | 31.42 |      | 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 | 111.00 | 26.18 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 100.00 | 110.26 | 25.51 |      | 80.0  |         |
|           |                                                                   | Z | 47.97  | 100.58 | 22.87 |      | 80.0  |         |
| 10472-AAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | X | 70.92  | 104.20 | 23.88 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 31.52  | 94.72  | 21.06 |      | 80.0  |         |
|           |                                                                   | Z | 7.84   | 79.47  | 16.58 |      | 80.0  |         |
| 10473-AAC | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | X | 100.00 | 123.89 | 32.23 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 100.00 | 124.91 | 32.37 |      | 80.0  |         |
|           |                                                                   | Z | 100.00 | 122.94 | 31.41 |      | 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 | 111.01 | 26.19 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 100.00 | 110.27 | 25.51 |      | 80.0  |         |
|           |                                                                   | Z | 47.00  | 100.37 | 22.82 |      | 80.0  |         |
| 10475-AAC | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | X | 68.93  | 103.90 | 23.81 | 3.23 | 80.0  | ± 9.6 % |
|           |                                                                   | Y | 30.64  | 94.44  | 20.99 |      | 80.0  |         |
|           |                                                                   | Z | 7.75   | 79.37  | 16.55 |      | 80.0  |         |

|           |                                                                     |   |        |        |       |      |      |         |
|-----------|---------------------------------------------------------------------|---|--------|--------|-------|------|------|---------|
| 10477-AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)    | X | 100.00 | 110.85 | 26.11 | 3.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 100.00 | 110.08 | 25.42 |      | 80.0 |         |
|           |                                                                     | Z | 39.81  | 98.45  | 22.33 |      | 80.0 |         |
| 10478-AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)    | X | 66.88  | 103.53 | 23.72 | 3.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 29.54  | 94.01  | 20.87 |      | 80.0 |         |
|           |                                                                     | Z | 7.64   | 79.20  | 16.49 |      | 80.0 |         |
| 10479-AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | X | 18.61  | 98.48  | 27.45 | 3.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 25.62  | 103.89 | 28.72 |      | 80.0 |         |
|           |                                                                     | Z | 19.02  | 98.49  | 26.87 |      | 80.0 |         |
| 10480-AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 17.74  | 92.23  | 23.95 | 3.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 23.09  | 96.00  | 24.65 |      | 80.0 |         |
|           |                                                                     | Z | 15.42  | 89.78  | 22.53 |      | 80.0 |         |
| 10481-AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 14.70  | 88.73  | 22.56 | 3.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 17.07  | 90.84  | 22.79 |      | 80.0 |         |
|           |                                                                     | Z | 11.82  | 85.36  | 20.81 |      | 80.0 |         |
| 10482-AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 6.42   | 80.34  | 20.27 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 4.54   | 75.37  | 17.94 |      | 80.0 |         |
|           |                                                                     | Z | 5.57   | 78.35  | 19.09 |      | 80.0 |         |
| 10483-AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 9.52   | 83.05  | 21.15 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 9.34   | 82.78  | 20.64 |      | 80.0 |         |
|           |                                                                     | Z | 7.40   | 79.15  | 19.09 |      | 80.0 |         |
| 10484-AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 8.60   | 81.38  | 20.58 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 8.20   | 80.76  | 19.96 |      | 80.0 |         |
|           |                                                                     | Z | 6.69   | 77.58  | 18.54 |      | 80.0 |         |
| 10485-AAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 6.55   | 80.98  | 21.28 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 5.07   | 77.22  | 19.53 |      | 80.0 |         |
|           |                                                                     | Z | 6.01   | 79.95  | 20.60 |      | 80.0 |         |
| 10486-AAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 5.00   | 73.93  | 18.31 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 4.24   | 71.65  | 16.98 |      | 80.0 |         |
|           |                                                                     | Z | 4.64   | 73.10  | 17.58 |      | 80.0 |         |
| 10487-AAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 4.92   | 73.36  | 18.08 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 4.20   | 71.18  | 16.78 |      | 80.0 |         |
|           |                                                                     | Z | 4.56   | 72.51  | 17.34 |      | 80.0 |         |
| 10488-AAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | X | 6.10   | 78.52  | 20.97 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 5.11   | 75.97  | 19.78 |      | 80.0 |         |
|           |                                                                     | Z | 5.69   | 77.85  | 20.57 |      | 80.0 |         |
| 10489-AAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | X | 4.95   | 72.75  | 18.88 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 4.48   | 71.40  | 18.08 |      | 80.0 |         |
|           |                                                                     | Z | 4.72   | 72.41  | 18.54 |      | 80.0 |         |
| 10490-AAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)  | X | 5.00   | 72.39  | 18.75 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 4.55   | 71.14  | 18.00 |      | 80.0 |         |
|           |                                                                     | Z | 4.78   | 72.09  | 18.43 |      | 80.0 |         |
| 10491-AAC | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | X | 5.71   | 75.50  | 19.96 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 5.04   | 73.73  | 19.09 |      | 80.0 |         |
|           |                                                                     | Z | 5.40   | 75.03  | 19.67 |      | 80.0 |         |
| 10492-AAC | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | X | 5.12   | 71.43  | 18.61 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                     | Y | 4.74   | 70.41  | 18.01 |      | 80.0 |         |
|           |                                                                     | Z | 4.91   | 71.17  | 18.36 |      | 80.0 |         |

|           |                                                                      |   |      |       |       |      |      |         |
|-----------|----------------------------------------------------------------------|---|------|-------|-------|------|------|---------|
| 10493-AAC | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 5.16 | 71.20 | 18.53 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 4.79 | 70.23 | 17.95 |      | 80.0 |         |
|           |                                                                      | Z | 4.96 | 70.96 | 18.29 |      | 80.0 |         |
| 10494-AAC | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 6.40 | 77.43 | 20.51 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 5.52 | 75.29 | 19.53 |      | 80.0 |         |
|           |                                                                      | Z | 6.00 | 76.80 | 20.18 |      | 80.0 |         |
| 10495-AAC | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 5.21 | 71.98 | 18.84 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 4.80 | 70.86 | 18.21 |      | 80.0 |         |
|           |                                                                      | Z | 4.99 | 71.64 | 18.58 |      | 80.0 |         |
| 10496-AAC | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 5.24 | 71.52 | 18.69 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 4.85 | 70.51 | 18.11 |      | 80.0 |         |
|           |                                                                      | Z | 5.02 | 71.23 | 18.45 |      | 80.0 |         |
| 10497-AAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | X | 4.89 | 76.14 | 17.97 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 3.19 | 70.40 | 15.09 |      | 80.0 |         |
|           |                                                                      | Z | 3.85 | 72.91 | 16.12 |      | 80.0 |         |
| 10498-AAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 3.27 | 68.15 | 13.86 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 2.33 | 64.21 | 11.42 |      | 80.0 |         |
|           |                                                                      | Z | 2.49 | 65.10 | 11.84 |      | 80.0 |         |
| 10499-AAA | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 3.14 | 67.39 | 13.40 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 2.26 | 63.62 | 11.00 |      | 80.0 |         |
|           |                                                                      | Z | 2.39 | 64.37 | 11.36 |      | 80.0 |         |
| 10500-AAA | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 6.12 | 79.35 | 20.96 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 4.97 | 76.32 | 19.51 |      | 80.0 |         |
|           |                                                                      | Z | 5.70 | 78.62 | 20.44 |      | 80.0 |         |
| 10501-AAA | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 4.96 | 73.36 | 18.48 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 4.36 | 71.58 | 17.41 |      | 80.0 |         |
|           |                                                                      | Z | 4.68 | 72.83 | 17.95 |      | 80.0 |         |
| 10502-AAA | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 4.98 | 73.06 | 18.32 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 4.39 | 71.34 | 17.27 |      | 80.0 |         |
|           |                                                                      | Z | 4.70 | 72.53 | 17.78 |      | 80.0 |         |
| 10503-AAC | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)     | X | 6.02 | 78.31 | 20.87 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 5.05 | 75.75 | 19.68 |      | 80.0 |         |
|           |                                                                      | Z | 5.61 | 77.63 | 20.47 |      | 80.0 |         |
| 10504-AAC | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)   | X | 4.93 | 72.67 | 18.83 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 4.45 | 71.30 | 18.03 |      | 80.0 |         |
|           |                                                                      | Z | 4.70 | 72.32 | 18.48 |      | 80.0 |         |
| 10505-AAC | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)   | X | 4.97 | 72.30 | 18.70 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 4.52 | 71.04 | 17.95 |      | 80.0 |         |
|           |                                                                      | Z | 4.75 | 71.99 | 18.37 |      | 80.0 |         |
| 10506-AAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)    | X | 6.35 | 77.28 | 20.44 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 5.48 | 75.14 | 19.46 |      | 80.0 |         |
|           |                                                                      | Z | 5.95 | 76.64 | 20.11 |      | 80.0 |         |
| 10507-AAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)  | X | 5.19 | 71.92 | 18.80 | 2.23 | 80.0 | ± 9.6 % |
|           |                                                                      | Y | 4.78 | 70.80 | 18.18 |      | 80.0 |         |
|           |                                                                      | Z | 4.97 | 71.58 | 18.54 |      | 80.0 |         |

|           |                                                                     |   |      |       |       |      |       |         |
|-----------|---------------------------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10508-AAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 5.22 | 71.46 | 18.65 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 4.84 | 70.44 | 18.07 |      | 80.0  |         |
|           |                                                                     | Z | 5.01 | 71.16 | 18.41 |      | 80.0  |         |
| 10509-AAC | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | X | 6.16 | 74.73 | 19.49 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 5.55 | 73.22 | 18.76 |      | 80.0  |         |
|           |                                                                     | Z | 5.87 | 74.29 | 19.25 |      | 80.0  |         |
| 10510-AAC | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 5.58 | 71.18 | 18.59 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 5.22 | 70.26 | 18.08 |      | 80.0  |         |
|           |                                                                     | Z | 5.37 | 70.88 | 18.37 |      | 80.0  |         |
| 10511-AAC | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 5.59 | 70.81 | 18.48 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 5.25 | 69.96 | 18.01 |      | 80.0  |         |
|           |                                                                     | Z | 5.39 | 70.55 | 18.28 |      | 80.0  |         |
| 10512-AAC | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)   | X | 6.77 | 76.89 | 20.15 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 5.92 | 74.92 | 19.26 |      | 80.0  |         |
|           |                                                                     | Z | 6.37 | 76.26 | 19.84 |      | 80.0  |         |
| 10513-AAC | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) | X | 5.53 | 71.68 | 18.77 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 5.14 | 70.63 | 18.21 |      | 80.0  |         |
|           |                                                                     | Z | 5.30 | 71.30 | 18.53 |      | 80.0  |         |
| 10514-AAC | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) | X | 5.48 | 71.10 | 18.60 | 2.23 | 80.0  | ± 9.6 % |
|           |                                                                     | Y | 5.12 | 70.15 | 18.08 |      | 80.0  |         |
|           |                                                                     | Z | 5.27 | 70.77 | 18.37 |      | 80.0  |         |
| 10515-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)           | X | 0.97 | 63.65 | 15.12 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 0.92 | 62.50 | 14.00 |      | 150.0 |         |
|           |                                                                     | Z | 0.95 | 63.27 | 14.65 |      | 150.0 |         |
| 10516-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)         | X | 0.79 | 75.90 | 19.78 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 0.49 | 67.25 | 14.66 |      | 150.0 |         |
|           |                                                                     | Z | 0.62 | 71.59 | 17.42 |      | 150.0 |         |
| 10517-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)          | X | 0.85 | 66.16 | 16.04 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 0.75 | 63.97 | 14.23 |      | 150.0 |         |
|           |                                                                     | Z | 0.80 | 65.28 | 15.27 |      | 150.0 |         |
| 10518-AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)           | X | 4.62 | 66.92 | 16.37 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.52 | 66.63 | 16.11 |      | 150.0 |         |
|           |                                                                     | Z | 4.53 | 66.88 | 16.24 |      | 150.0 |         |
| 10519-AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)          | X | 4.83 | 67.19 | 16.50 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.71 | 66.89 | 16.25 |      | 150.0 |         |
|           |                                                                     | Z | 4.71 | 67.12 | 16.36 |      | 150.0 |         |
| 10520-AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)          | X | 4.68 | 67.16 | 16.43 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.56 | 66.83 | 16.16 |      | 150.0 |         |
|           |                                                                     | Z | 4.57 | 67.07 | 16.28 |      | 150.0 |         |
| 10521-AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)          | X | 4.61 | 67.16 | 16.41 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.49 | 66.82 | 16.13 |      | 150.0 |         |
|           |                                                                     | Z | 4.50 | 67.06 | 16.26 |      | 150.0 |         |
| 10522-AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)          | X | 4.66 | 67.20 | 16.48 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                     | Y | 4.55 | 66.91 | 16.22 |      | 150.0 |         |
|           |                                                                     | Z | 4.56 | 67.16 | 16.35 |      | 150.0 |         |

|           |                                                            |   |      |       |       |      |       |         |
|-----------|------------------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10523-AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) | X | 4.53 | 67.06 | 16.32 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.43 | 66.75 | 16.05 |      | 150.0 |         |
|           |                                                            | Z | 4.44 | 67.02 | 16.19 |      | 150.0 |         |
| 10524-AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) | X | 4.61 | 67.14 | 16.45 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.50 | 66.83 | 16.19 |      | 150.0 |         |
|           |                                                            | Z | 4.50 | 67.08 | 16.32 |      | 150.0 |         |
| 10525-AAB | IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)          | X | 4.58 | 66.16 | 16.03 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.48 | 65.85 | 15.77 |      | 150.0 |         |
|           |                                                            | Z | 4.49 | 66.11 | 15.90 |      | 150.0 |         |
| 10526-AAB | IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)          | X | 4.77 | 66.55 | 16.18 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.65 | 66.23 | 15.92 |      | 150.0 |         |
|           |                                                            | Z | 4.66 | 66.48 | 16.05 |      | 150.0 |         |
| 10527-AAB | IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)          | X | 4.69 | 66.52 | 16.13 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.57 | 66.18 | 15.85 |      | 150.0 |         |
|           |                                                            | Z | 4.58 | 66.44 | 15.99 |      | 150.0 |         |
| 10528-AAB | IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)          | X | 4.70 | 66.54 | 16.16 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.59 | 66.20 | 15.89 |      | 150.0 |         |
|           |                                                            | Z | 4.59 | 66.46 | 16.02 |      | 150.0 |         |
| 10529-AAB | IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)          | X | 4.70 | 66.54 | 16.16 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.59 | 66.20 | 15.89 |      | 150.0 |         |
|           |                                                            | Z | 4.59 | 66.46 | 16.02 |      | 150.0 |         |
| 10531-AAB | IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)          | X | 4.71 | 66.67 | 16.19 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.58 | 66.30 | 15.90 |      | 150.0 |         |
|           |                                                            | Z | 4.59 | 66.56 | 16.03 |      | 150.0 |         |
| 10532-AAB | IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)          | X | 4.56 | 66.53 | 16.12 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.44 | 66.14 | 15.82 |      | 150.0 |         |
|           |                                                            | Z | 4.45 | 66.41 | 15.96 |      | 150.0 |         |
| 10533-AAB | IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)          | X | 4.71 | 66.57 | 16.14 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 4.60 | 66.24 | 15.87 |      | 150.0 |         |
|           |                                                            | Z | 4.60 | 66.51 | 16.01 |      | 150.0 |         |
| 10534-AAB | IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)          | X | 5.23 | 66.67 | 16.22 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 5.14 | 66.38 | 16.00 |      | 150.0 |         |
|           |                                                            | Z | 5.14 | 66.58 | 16.10 |      | 150.0 |         |
| 10535-AAB | IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)          | X | 5.31 | 66.84 | 16.29 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 5.22 | 66.58 | 16.09 |      | 150.0 |         |
|           |                                                            | Z | 5.21 | 66.78 | 16.19 |      | 150.0 |         |
| 10536-AAB | IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)          | X | 5.17 | 66.80 | 16.25 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 5.07 | 66.49 | 16.02 |      | 150.0 |         |
|           |                                                            | Z | 5.07 | 66.71 | 16.13 |      | 150.0 |         |
| 10537-AAB | IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)          | X | 5.24 | 66.78 | 16.25 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 5.13 | 66.47 | 16.02 |      | 150.0 |         |
|           |                                                            | Z | 5.13 | 66.67 | 16.12 |      | 150.0 |         |
| 10538-AAB | IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)          | X | 5.34 | 66.83 | 16.31 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 5.23 | 66.51 | 16.08 |      | 150.0 |         |
|           |                                                            | Z | 5.22 | 66.70 | 16.17 |      | 150.0 |         |
| 10540-AAB | IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)          | X | 5.25 | 66.81 | 16.32 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                            | Y | 5.16 | 66.53 | 16.10 |      | 150.0 |         |
|           |                                                            | Z | 5.16 | 66.73 | 16.20 |      | 150.0 |         |

|           |                                                    |   |      |       |       |      |       |         |
|-----------|----------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10541-AAB | IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)  | X | 5.22 | 66.67 | 16.24 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.13 | 66.37 | 16.02 |      | 150.0 |         |
|           |                                                    | Z | 5.13 | 66.58 | 16.12 |      | 150.0 |         |
| 10542-AAB | IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)  | X | 5.38 | 66.75 | 16.30 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.29 | 66.46 | 16.08 |      | 150.0 |         |
|           |                                                    | Z | 5.28 | 66.65 | 16.17 |      | 150.0 |         |
| 10543-AAB | IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)  | X | 5.47 | 66.79 | 16.33 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.38 | 66.54 | 16.14 |      | 150.0 |         |
|           |                                                    | Z | 5.36 | 66.70 | 16.22 |      | 150.0 |         |
| 10544-AAB | IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)  | X | 5.53 | 66.76 | 16.20 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.45 | 66.49 | 16.00 |      | 150.0 |         |
|           |                                                    | Z | 5.45 | 66.68 | 16.09 |      | 150.0 |         |
| 10545-AAB | IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)  | X | 5.75 | 67.24 | 16.38 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.67 | 66.99 | 16.20 |      | 150.0 |         |
|           |                                                    | Z | 5.66 | 67.15 | 16.27 |      | 150.0 |         |
| 10546-AAB | IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)  | X | 5.62 | 67.04 | 16.30 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.52 | 66.72 | 16.08 |      | 150.0 |         |
|           |                                                    | Z | 5.52 | 66.90 | 16.16 |      | 150.0 |         |
| 10547-AAB | IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)  | X | 5.71 | 67.13 | 16.33 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.60 | 66.78 | 16.10 |      | 150.0 |         |
|           |                                                    | Z | 5.59 | 66.94 | 16.17 |      | 150.0 |         |
| 10548-AAB | IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)  | X | 6.09 | 68.45 | 16.97 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.98 | 68.09 | 16.72 |      | 150.0 |         |
|           |                                                    | Z | 5.90 | 68.06 | 16.71 |      | 150.0 |         |
| 10550-AAB | IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)  | X | 5.64 | 67.01 | 16.29 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.56 | 66.76 | 16.11 |      | 150.0 |         |
|           |                                                    | Z | 5.55 | 66.94 | 16.19 |      | 150.0 |         |
| 10551-AAB | IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)  | X | 5.64 | 67.06 | 16.28 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.55 | 66.75 | 16.06 |      | 150.0 |         |
|           |                                                    | Z | 5.55 | 66.95 | 16.16 |      | 150.0 |         |
| 10552-AAB | IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)  | X | 5.55 | 66.82 | 16.17 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.46 | 66.53 | 15.96 |      | 150.0 |         |
|           |                                                    | Z | 5.46 | 66.74 | 16.06 |      | 150.0 |         |
| 10553-AAB | IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)  | X | 5.64 | 66.88 | 16.23 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.54 | 66.58 | 16.02 |      | 150.0 |         |
|           |                                                    | Z | 5.54 | 66.77 | 16.11 |      | 150.0 |         |
| 10554-AAC | IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle) | X | 5.94 | 67.15 | 16.30 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.87 | 66.87 | 16.10 |      | 150.0 |         |
|           |                                                    | Z | 5.86 | 67.05 | 16.18 |      | 150.0 |         |
| 10555-AAC | IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle) | X | 6.09 | 67.49 | 16.44 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 6.01 | 67.23 | 16.26 |      | 150.0 |         |
|           |                                                    | Z | 6.00 | 67.38 | 16.32 |      | 150.0 |         |
| 10556-AAC | IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle) | X | 6.10 | 67.52 | 16.45 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 6.02 | 67.25 | 16.26 |      | 150.0 |         |
|           |                                                    | Z | 6.02 | 67.42 | 16.34 |      | 150.0 |         |
| 10557-AAC | IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle) | X | 6.08 | 67.44 | 16.43 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                    | Y | 5.99 | 67.15 | 16.23 |      | 150.0 |         |
|           |                                                    | Z | 5.98 | 67.31 | 16.30 |      | 150.0 |         |

|           |                                                                 |   |       |        |       |      |       |         |
|-----------|-----------------------------------------------------------------|---|-------|--------|-------|------|-------|---------|
| 10558-AAC | IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)              | X | 6.14  | 67.64  | 16.55 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 6.04  | 67.32  | 16.33 |      | 150.0 |         |
|           |                                                                 | Z | 6.03  | 67.48  | 16.40 |      | 150.0 |         |
| 10560-AAC | IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)              | X | 6.12  | 67.44  | 16.49 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 6.03  | 67.14  | 16.28 |      | 150.0 |         |
|           |                                                                 | Z | 6.02  | 67.31  | 16.36 |      | 150.0 |         |
| 10561-AAC | IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)              | X | 6.04  | 67.43  | 16.52 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 5.96  | 67.14  | 16.32 |      | 150.0 |         |
|           |                                                                 | Z | 5.95  | 67.31  | 16.39 |      | 150.0 |         |
| 10562-AAC | IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)              | X | 6.21  | 67.94  | 16.77 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 6.10  | 67.58  | 16.54 |      | 150.0 |         |
|           |                                                                 | Z | 6.08  | 67.71  | 16.59 |      | 150.0 |         |
| 10563-AAC | IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)              | X | 6.62  | 68.71  | 17.11 | 0.00 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 6.41  | 68.12  | 16.77 |      | 150.0 |         |
|           |                                                                 | Z | 6.30  | 68.01  | 16.70 |      | 150.0 |         |
| 10564-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)  | X | 4.97  | 67.05  | 16.56 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.87  | 66.78  | 16.32 |      | 150.0 |         |
|           |                                                                 | Z | 4.87  | 67.01  | 16.43 |      | 150.0 |         |
| 10565-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle) | X | 5.21  | 67.51  | 16.88 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 5.10  | 67.22  | 16.64 |      | 150.0 |         |
|           |                                                                 | Z | 5.10  | 67.43  | 16.74 |      | 150.0 |         |
| 10566-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle) | X | 5.05  | 67.38  | 16.71 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.93  | 67.07  | 16.45 |      | 150.0 |         |
|           |                                                                 | Z | 4.93  | 67.29  | 16.57 |      | 150.0 |         |
| 10567-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle) | X | 5.07  | 67.74  | 17.03 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.96  | 67.43  | 16.79 |      | 150.0 |         |
|           |                                                                 | Z | 4.96  | 67.65  | 16.90 |      | 150.0 |         |
| 10568-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle) | X | 4.97  | 67.18  | 16.50 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.86  | 66.88  | 16.25 |      | 150.0 |         |
|           |                                                                 | Z | 4.86  | 67.13  | 16.38 |      | 150.0 |         |
| 10569-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle) | X | 5.02  | 67.78  | 17.06 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.91  | 67.51  | 16.84 |      | 150.0 |         |
|           |                                                                 | Z | 4.92  | 67.74  | 16.95 |      | 150.0 |         |
| 10570-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) | X | 5.06  | 67.64  | 17.01 | 0.46 | 150.0 | ± 9.6 % |
|           |                                                                 | Y | 4.95  | 67.38  | 16.79 |      | 150.0 |         |
|           |                                                                 | Z | 4.95  | 67.60  | 16.90 |      | 150.0 |         |
| 10571-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)       | X | 1.37  | 66.59  | 16.71 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 1.26  | 65.12  | 15.54 |      | 130.0 |         |
|           |                                                                 | Z | 1.32  | 66.08  | 16.22 |      | 130.0 |         |
| 10572-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)       | X | 1.39  | 67.31  | 17.11 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 1.28  | 65.71  | 15.88 |      | 130.0 |         |
|           |                                                                 | Z | 1.34  | 66.74  | 16.60 |      | 130.0 |         |
| 10573-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)     | X | 17.13 | 116.23 | 31.59 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 2.44  | 84.17  | 21.35 |      | 130.0 |         |
|           |                                                                 | Z | 6.44  | 100.05 | 26.86 |      | 130.0 |         |
| 10574-AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)      | X | 1.76  | 75.21  | 20.71 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 1.45  | 71.43  | 18.52 |      | 130.0 |         |
|           |                                                                 | Z | 1.62  | 73.67  | 19.79 |      | 130.0 |         |

|           |                                                                 |   |      |       |       |      |       |         |
|-----------|-----------------------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10575-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)  | X | 4.79 | 66.95 | 16.68 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.69 | 66.67 | 16.43 |      | 130.0 |         |
|           |                                                                 | Z | 4.69 | 66.91 | 16.55 |      | 130.0 |         |
| 10576-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)  | X | 4.81 | 67.10 | 16.73 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.71 | 66.83 | 16.49 |      | 130.0 |         |
|           |                                                                 | Z | 4.72 | 67.06 | 16.60 |      | 130.0 |         |
| 10577-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) | X | 5.03 | 67.41 | 16.91 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.92 | 67.12 | 16.66 |      | 130.0 |         |
|           |                                                                 | Z | 4.92 | 67.34 | 16.77 |      | 130.0 |         |
| 10578-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) | X | 4.93 | 67.56 | 17.00 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.81 | 67.27 | 16.75 |      | 130.0 |         |
|           |                                                                 | Z | 4.82 | 67.49 | 16.86 |      | 130.0 |         |
| 10579-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) | X | 4.71 | 66.96 | 16.38 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.59 | 66.61 | 16.09 |      | 130.0 |         |
|           |                                                                 | Z | 4.60 | 66.86 | 16.22 |      | 130.0 |         |
| 10580-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) | X | 4.76 | 66.97 | 16.40 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.64 | 66.65 | 16.11 |      | 130.0 |         |
|           |                                                                 | Z | 4.64 | 66.90 | 16.25 |      | 130.0 |         |
| 10581-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle) | X | 4.83 | 67.64 | 16.95 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.71 | 67.32 | 16.69 |      | 130.0 |         |
|           |                                                                 | Z | 4.72 | 67.56 | 16.81 |      | 130.0 |         |
| 10582-AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle) | X | 4.66 | 66.74 | 16.19 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.54 | 66.39 | 15.89 |      | 130.0 |         |
|           |                                                                 | Z | 4.54 | 66.64 | 16.03 |      | 130.0 |         |
| 10583-AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)       | X | 4.79 | 66.95 | 16.68 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.69 | 66.67 | 16.43 |      | 130.0 |         |
|           |                                                                 | Z | 4.69 | 66.91 | 16.55 |      | 130.0 |         |
| 10584-AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)       | X | 4.81 | 67.10 | 16.73 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.71 | 66.83 | 16.49 |      | 130.0 |         |
|           |                                                                 | Z | 4.72 | 67.06 | 16.60 |      | 130.0 |         |
| 10585-AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)      | X | 5.03 | 67.41 | 16.91 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.92 | 67.12 | 16.66 |      | 130.0 |         |
|           |                                                                 | Z | 4.92 | 67.34 | 16.77 |      | 130.0 |         |
| 10586-AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)      | X | 4.93 | 67.56 | 17.00 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.81 | 67.27 | 16.75 |      | 130.0 |         |
|           |                                                                 | Z | 4.82 | 67.49 | 16.86 |      | 130.0 |         |
| 10587-AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)      | X | 4.71 | 66.96 | 16.38 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.59 | 66.61 | 16.09 |      | 130.0 |         |
|           |                                                                 | Z | 4.60 | 66.86 | 16.22 |      | 130.0 |         |
| 10588-AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)      | X | 4.76 | 66.97 | 16.40 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.64 | 66.65 | 16.11 |      | 130.0 |         |
|           |                                                                 | Z | 4.64 | 66.90 | 16.25 |      | 130.0 |         |
| 10589-AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)      | X | 4.83 | 67.64 | 16.95 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.71 | 67.32 | 16.69 |      | 130.0 |         |
|           |                                                                 | Z | 4.72 | 67.56 | 16.81 |      | 130.0 |         |
| 10590-AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)      | X | 4.66 | 66.74 | 16.19 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                                 | Y | 4.54 | 66.39 | 15.89 |      | 130.0 |         |
|           |                                                                 | Z | 4.54 | 66.64 | 16.03 |      | 130.0 |         |

|           |                                                       |   |      |       |       |      |       |         |
|-----------|-------------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10591-AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle) | X | 4.93 | 66.98 | 16.76 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.84 | 66.73 | 16.53 |      | 130.0 |         |
|           |                                                       | Z | 4.84 | 66.95 | 16.64 |      | 130.0 |         |
| 10592-AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle) | X | 5.10 | 67.33 | 16.89 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.99 | 67.06 | 16.66 |      | 130.0 |         |
|           |                                                       | Z | 4.99 | 67.28 | 16.77 |      | 130.0 |         |
| 10593-AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle) | X | 5.03 | 67.27 | 16.79 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.92 | 66.98 | 16.54 |      | 130.0 |         |
|           |                                                       | Z | 4.92 | 67.20 | 16.65 |      | 130.0 |         |
| 10594-AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle) | X | 5.08 | 67.42 | 16.93 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.97 | 67.14 | 16.70 |      | 130.0 |         |
|           |                                                       | Z | 4.97 | 67.36 | 16.80 |      | 130.0 |         |
| 10595-AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle) | X | 5.05 | 67.38 | 16.83 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.94 | 67.10 | 16.59 |      | 130.0 |         |
|           |                                                       | Z | 4.94 | 67.32 | 16.70 |      | 130.0 |         |
| 10596-AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle) | X | 4.99 | 67.40 | 16.85 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.88 | 67.10 | 16.60 |      | 130.0 |         |
|           |                                                       | Z | 4.88 | 67.34 | 16.72 |      | 130.0 |         |
| 10597-AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle) | X | 4.94 | 67.32 | 16.74 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.83 | 67.01 | 16.48 |      | 130.0 |         |
|           |                                                       | Z | 4.83 | 67.24 | 16.60 |      | 130.0 |         |
| 10598-AAB | IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle) | X | 4.92 | 67.54 | 16.99 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 4.81 | 67.23 | 16.73 |      | 130.0 |         |
|           |                                                       | Z | 4.81 | 67.45 | 16.84 |      | 130.0 |         |
| 10599-AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle) | X | 5.61 | 67.56 | 16.97 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.52 | 67.33 | 16.78 |      | 130.0 |         |
|           |                                                       | Z | 5.52 | 67.51 | 16.86 |      | 130.0 |         |
| 10600-AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle) | X | 5.83 | 68.25 | 17.29 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.73 | 67.98 | 17.09 |      | 130.0 |         |
|           |                                                       | Z | 5.68 | 68.03 | 17.10 |      | 130.0 |         |
| 10601-AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle) | X | 5.67 | 67.85 | 17.10 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.58 | 67.60 | 16.91 |      | 130.0 |         |
|           |                                                       | Z | 5.55 | 67.72 | 16.96 |      | 130.0 |         |
| 10602-AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle) | X | 5.75 | 67.84 | 17.02 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.68 | 67.65 | 16.85 |      | 130.0 |         |
|           |                                                       | Z | 5.66 | 67.78 | 16.92 |      | 130.0 |         |
| 10603-AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle) | X | 5.83 | 68.10 | 17.27 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.74 | 67.87 | 17.09 |      | 130.0 |         |
|           |                                                       | Z | 5.72 | 68.02 | 17.16 |      | 130.0 |         |
| 10604-AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle) | X | 5.61 | 67.53 | 16.97 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.53 | 67.28 | 16.78 |      | 130.0 |         |
|           |                                                       | Z | 5.52 | 67.47 | 16.87 |      | 130.0 |         |
| 10605-AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle) | X | 5.75 | 67.94 | 17.19 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.68 | 67.77 | 17.03 |      | 130.0 |         |
|           |                                                       | Z | 5.66 | 67.89 | 17.09 |      | 130.0 |         |
| 10606-AAB | IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle) | X | 5.49 | 67.29 | 16.73 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                       | Y | 5.41 | 67.06 | 16.53 |      | 130.0 |         |
|           |                                                       | Z | 5.38 | 67.16 | 16.58 |      | 130.0 |         |

|           |                                                   |   |      |       |       |      |       |         |
|-----------|---------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10607-AAB | IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle) | X | 4.77 | 66.28 | 16.37 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.67 | 66.00 | 16.12 |      | 130.0 |         |
|           |                                                   | Z | 4.67 | 66.24 | 16.25 |      | 130.0 |         |
| 10608-AAB | IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle) | X | 4.97 | 66.70 | 16.53 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.85 | 66.40 | 16.29 |      | 130.0 |         |
|           |                                                   | Z | 4.86 | 66.65 | 16.41 |      | 130.0 |         |
| 10609-AAB | IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle) | X | 4.86 | 66.58 | 16.39 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.74 | 66.26 | 16.13 |      | 130.0 |         |
|           |                                                   | Z | 4.75 | 66.51 | 16.26 |      | 130.0 |         |
| 10610-AAB | IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle) | X | 4.91 | 66.72 | 16.54 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.79 | 66.41 | 16.29 |      | 130.0 |         |
|           |                                                   | Z | 4.80 | 66.66 | 16.41 |      | 130.0 |         |
| 10611-AAB | IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle) | X | 4.83 | 66.55 | 16.41 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.71 | 66.23 | 16.14 |      | 130.0 |         |
|           |                                                   | Z | 4.72 | 66.48 | 16.27 |      | 130.0 |         |
| 10612-AAB | IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle) | X | 4.85 | 66.73 | 16.46 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.72 | 66.39 | 16.19 |      | 130.0 |         |
|           |                                                   | Z | 4.73 | 66.65 | 16.32 |      | 130.0 |         |
| 10613-AAB | IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle) | X | 4.86 | 66.64 | 16.36 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.73 | 66.28 | 16.08 |      | 130.0 |         |
|           |                                                   | Z | 4.74 | 66.53 | 16.21 |      | 130.0 |         |
| 10614-AAB | IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle) | X | 4.79 | 66.79 | 16.56 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.67 | 66.44 | 16.29 |      | 130.0 |         |
|           |                                                   | Z | 4.67 | 66.69 | 16.42 |      | 130.0 |         |
| 10615-AAB | IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle) | X | 4.84 | 66.40 | 16.20 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 4.72 | 66.07 | 15.93 |      | 130.0 |         |
|           |                                                   | Z | 4.72 | 66.33 | 16.07 |      | 130.0 |         |
| 10616-AAB | IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle) | X | 5.42 | 66.80 | 16.56 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.33 | 66.52 | 16.36 |      | 130.0 |         |
|           |                                                   | Z | 5.32 | 66.71 | 16.44 |      | 130.0 |         |
| 10617-AAB | IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle) | X | 5.49 | 66.95 | 16.61 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.41 | 66.76 | 16.45 |      | 130.0 |         |
|           |                                                   | Z | 5.40 | 66.93 | 16.53 |      | 130.0 |         |
| 10618-AAB | IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle) | X | 5.38 | 66.99 | 16.64 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.28 | 66.71 | 16.44 |      | 130.0 |         |
|           |                                                   | Z | 5.28 | 66.90 | 16.53 |      | 130.0 |         |
| 10619-AAB | IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle) | X | 5.41 | 66.83 | 16.51 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.32 | 66.57 | 16.30 |      | 130.0 |         |
|           |                                                   | Z | 5.31 | 66.75 | 16.39 |      | 130.0 |         |
| 10620-AAB | IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle) | X | 5.51 | 66.90 | 16.59 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.40 | 66.60 | 16.37 |      | 130.0 |         |
|           |                                                   | Z | 5.39 | 66.77 | 16.45 |      | 130.0 |         |
| 10621-AAB | IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle) | X | 5.48 | 66.93 | 16.71 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.39 | 66.68 | 16.52 |      | 130.0 |         |
|           |                                                   | Z | 5.38 | 66.86 | 16.61 |      | 130.0 |         |
| 10622-AAB | IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle) | X | 5.50 | 67.12 | 16.80 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                   | Y | 5.42 | 66.91 | 16.63 |      | 130.0 |         |
|           |                                                   | Z | 5.40 | 67.05 | 16.70 |      | 130.0 |         |

|           |                                                    |   |      |       |       |      |       |         |
|-----------|----------------------------------------------------|---|------|-------|-------|------|-------|---------|
| 10623-AAB | IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)  | X | 5.37 | 66.65 | 16.45 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.28 | 66.39 | 16.25 |      | 130.0 |         |
|           |                                                    | Z | 5.28 | 66.58 | 16.34 |      | 130.0 |         |
| 10624-AAB | IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)  | X | 5.57 | 66.87 | 16.62 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.48 | 66.61 | 16.42 |      | 130.0 |         |
|           |                                                    | Z | 5.47 | 66.77 | 16.50 |      | 130.0 |         |
| 10625-AAB | IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)  | X | 6.04 | 68.14 | 17.31 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.92 | 67.83 | 17.08 |      | 130.0 |         |
|           |                                                    | Z | 5.86 | 67.85 | 17.09 |      | 130.0 |         |
| 10626-AAB | IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)  | X | 5.69 | 66.81 | 16.49 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.62 | 66.57 | 16.31 |      | 130.0 |         |
|           |                                                    | Z | 5.62 | 66.75 | 16.39 |      | 130.0 |         |
| 10627-AAB | IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)  | X | 5.97 | 67.48 | 16.78 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.90 | 67.27 | 16.62 |      | 130.0 |         |
|           |                                                    | Z | 5.88 | 67.40 | 16.68 |      | 130.0 |         |
| 10628-AAB | IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)  | X | 5.76 | 67.00 | 16.48 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.67 | 66.72 | 16.28 |      | 130.0 |         |
|           |                                                    | Z | 5.66 | 66.88 | 16.36 |      | 130.0 |         |
| 10629-AAB | IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)  | X | 5.84 | 67.06 | 16.50 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.77 | 66.85 | 16.34 |      | 130.0 |         |
|           |                                                    | Z | 5.74 | 66.97 | 16.39 |      | 130.0 |         |
| 10630-AAB | IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)  | X | 6.51 | 69.24 | 17.59 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 6.40 | 68.89 | 17.35 |      | 130.0 |         |
|           |                                                    | Z | 6.28 | 68.76 | 17.29 |      | 130.0 |         |
| 10631-AAB | IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)  | X | 6.25 | 68.57 | 17.44 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 6.12 | 68.19 | 17.19 |      | 130.0 |         |
|           |                                                    | Z | 6.08 | 68.24 | 17.21 |      | 130.0 |         |
| 10632-AAB | IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)  | X | 5.92 | 67.46 | 16.90 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.86 | 67.28 | 16.76 |      | 130.0 |         |
|           |                                                    | Z | 5.84 | 67.41 | 16.81 |      | 130.0 |         |
| 10633-AAB | IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)  | X | 5.82 | 67.14 | 16.58 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.71 | 66.81 | 16.36 |      | 130.0 |         |
|           |                                                    | Z | 5.71 | 66.98 | 16.44 |      | 130.0 |         |
| 10634-AAB | IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)  | X | 5.79 | 67.13 | 16.63 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.70 | 66.83 | 16.42 |      | 130.0 |         |
|           |                                                    | Z | 5.69 | 67.01 | 16.50 |      | 130.0 |         |
| 10635-AAB | IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)  | X | 5.70 | 66.55 | 16.10 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 5.59 | 66.22 | 15.86 |      | 130.0 |         |
|           |                                                    | Z | 5.59 | 66.41 | 15.96 |      | 130.0 |         |
| 10636-AAC | IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle) | X | 6.11 | 67.22 | 16.60 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 6.05 | 66.97 | 16.42 |      | 130.0 |         |
|           |                                                    | Z | 6.04 | 67.12 | 16.48 |      | 130.0 |         |
| 10637-AAC | IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle) | X | 6.29 | 67.65 | 16.79 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 6.23 | 67.43 | 16.63 |      | 130.0 |         |
|           |                                                    | Z | 6.20 | 67.55 | 16.68 |      | 130.0 |         |
| 10638-AAC | IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle) | X | 6.29 | 67.62 | 16.76 | 0.46 | 130.0 | ± 9.6 % |
|           |                                                    | Y | 6.23 | 67.40 | 16.60 |      | 130.0 |         |
|           |                                                    | Z | 6.20 | 67.52 | 16.64 |      | 130.0 |         |

|           |                                                        |   |       |        |       |       |       |         |
|-----------|--------------------------------------------------------|---|-------|--------|-------|-------|-------|---------|
| 10639-AAC | IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)     | X | 6.27  | 67.57  | 16.77 | 0.46  | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.19  | 67.29  | 16.58 |       | 130.0 |         |
|           |                                                        | Z | 6.17  | 67.43  | 16.64 |       | 130.0 |         |
| 10640-AAC | IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)     | X | 6.30  | 67.66  | 16.77 | 0.46  | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.20  | 67.34  | 16.55 |       | 130.0 |         |
|           |                                                        | Z | 6.18  | 67.47  | 16.61 |       | 130.0 |         |
| 10641-AAC | IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)     | X | 6.30  | 67.43  | 16.67 | 0.46  | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.24  | 67.21  | 16.51 |       | 130.0 |         |
|           |                                                        | Z | 6.23  | 67.38  | 16.58 |       | 130.0 |         |
| 10642-AAC | IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)     | X | 6.35  | 67.69  | 16.96 | 0.46  | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.27  | 67.44  | 16.78 |       | 130.0 |         |
|           |                                                        | Z | 6.25  | 67.57  | 16.84 |       | 130.0 |         |
| 10643-AAC | IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)     | X | 6.19  | 67.43  | 16.74 | 0.46  | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.12  | 67.17  | 16.55 |       | 130.0 |         |
|           |                                                        | Z | 6.10  | 67.32  | 16.62 |       | 130.0 |         |
| 10644-AAC | IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)     | X | 6.42  | 68.12  | 17.10 | 0.46  | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.30  | 67.73  | 16.85 |       | 130.0 |         |
|           |                                                        | Z | 6.27  | 67.83  | 16.89 |       | 130.0 |         |
| 10645-AAC | IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)     | X | 6.96  | 69.23  | 17.61 | 0.46  | 130.0 | ± 9.6 % |
|           |                                                        | Y | 6.81  | 68.82  | 17.36 |       | 130.0 |         |
|           |                                                        | Z | 6.64  | 68.54  | 17.21 |       | 130.0 |         |
| 10646-AAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)  | X | 36.14 | 117.31 | 38.90 | 9.30  | 60.0  | ± 9.6 % |
|           |                                                        | Y | 37.41 | 119.79 | 39.76 |       | 60.0  |         |
|           |                                                        | Z | 44.85 | 123.68 | 40.74 |       | 60.0  |         |
| 10647-AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) | X | 38.37 | 119.57 | 39.70 | 9.30  | 60.0  | ± 9.6 % |
|           |                                                        | Y | 37.81 | 120.93 | 40.24 |       | 60.0  |         |
|           |                                                        | Z | 46.89 | 125.67 | 41.46 |       | 60.0  |         |
| 10648-AAA | CDMA2000 (1x Advanced)                                 | X | 0.76  | 64.71  | 11.69 | 0.00  | 150.0 | ± 9.6 % |
|           |                                                        | Y | 0.62  | 62.37  | 9.59  |       | 150.0 |         |
|           |                                                        | Z | 0.65  | 63.27  | 10.28 |       | 150.0 |         |
| 10652-AAB | LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         | X | 4.49  | 69.07  | 17.63 | 2.23  | 80.0  | ± 9.6 % |
|           |                                                        | Y | 4.22  | 68.27  | 17.06 |       | 80.0  |         |
|           |                                                        | Z | 4.35  | 68.92  | 17.36 |       | 80.0  |         |
| 10653-AAB | LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)        | X | 4.93  | 68.17  | 17.64 | 2.23  | 80.0  | ± 9.6 % |
|           |                                                        | Y | 4.72  | 67.56  | 17.22 |       | 80.0  |         |
|           |                                                        | Z | 4.80  | 68.03  | 17.44 |       | 80.0  |         |
| 10654-AAB | LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)        | X | 4.87  | 67.81  | 17.63 | 2.23  | 80.0  | ± 9.6 % |
|           |                                                        | Y | 4.67  | 67.22  | 17.23 |       | 80.0  |         |
|           |                                                        | Z | 4.76  | 67.67  | 17.45 |       | 80.0  |         |
| 10655-AAB | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)        | X | 4.93  | 67.83  | 17.67 | 2.23  | 80.0  | ± 9.6 % |
|           |                                                        | Y | 4.74  | 67.21  | 17.27 |       | 80.0  |         |
|           |                                                        | Z | 4.82  | 67.65  | 17.48 |       | 80.0  |         |
| 10658-AAA | Pulse Waveform (200Hz, 10%)                            | X | 13.17 | 86.89  | 23.60 | 10.00 | 50.0  | ± 9.6 % |
|           |                                                        | Y | 14.69 | 88.65  | 23.55 |       | 50.0  |         |
|           |                                                        | Z | 14.49 | 88.55  | 23.74 |       | 50.0  |         |
| 10659-AAA | Pulse Waveform (200Hz, 20%)                            | X | 50.09 | 107.91 | 28.24 | 6.99  | 60.0  | ± 9.6 % |
|           |                                                        | Y | 74.63 | 111.90 | 28.40 |       | 60.0  |         |
|           |                                                        | Z | 82.42 | 114.14 | 29.27 |       | 60.0  |         |