

| UID   | Rev | Communication System Name                                  | Group    | PAR (dB) | Unc <sup>E</sup> $k = 2$ |
|-------|-----|------------------------------------------------------------|----------|----------|--------------------------|
| 10307 | AAB | IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC)      | WiMAX    | 14.49    | ±9.6                     |
| 10308 | AAB | IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)     | WiMAX    | 14.46    | ±9.6                     |
| 10309 | AAB | IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3)  | WiMAX    | 14.58    | ±9.6                     |
| 10310 | AAB | IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3)   | WiMAX    | 14.57    | ±9.6                     |
| 10311 | AAB | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)                   | LTE-FDD  | 6.06     | ±9.6                     |
| 10313 | AAD | iDEN 1:3                                                   | iDEN     | 10.51    | ±9.6                     |
| 10314 | AAD | iDEN 1:6                                                   | iDEN     | 13.48    | ±9.6                     |
| 10315 | AAD | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)          | WLAN     | 1.71     | ±9.6                     |
| 10316 | AAD | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)      | WLAN     | 8.36     | ±9.6                     |
| 10317 | AAA | IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc)            | WLAN     | 8.36     | ±9.6                     |
| 10352 | AAA | Pulse Waveform (200 Hz, 10%)                               | Generic  | 10.00    | ±9.6                     |
| 10353 | AAA | Pulse Waveform (200 Hz, 20%)                               | Generic  | 6.99     | ±9.6                     |
| 10354 | AAA | Pulse Waveform (200 Hz, 40%)                               | Generic  | 3.98     | ±9.6                     |
| 10355 | AAA | Pulse Waveform (200 Hz, 60%)                               | Generic  | 2.22     | ±9.6                     |
| 10356 | AAA | Pulse Waveform (200 Hz, 80%)                               | Generic  | 0.97     | ±9.6                     |
| 10387 | AAA | QPSK Waveform, 1 MHz                                       | Generic  | 5.10     | ±9.6                     |
| 10388 | AAA | QPSK Waveform, 10 MHz                                      | Generic  | 5.22     | ±9.6                     |
| 10396 | AAA | 64-QAM Waveform, 100 kHz                                   | Generic  | 6.27     | ±9.6                     |
| 10399 | AAA | 64-QAM Waveform, 40 MHz                                    | Generic  | 6.27     | ±9.6                     |
| 10400 | AAD | IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc dc)               | WLAN     | 8.37     | ±9.6                     |
| 10401 | AAA | IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc dc)               | WLAN     | 8.60     | ±9.6                     |
| 10402 | AAA | IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc dc)               | WLAN     | 8.53     | ±9.6                     |
| 10403 | AAB | CDMA2000 (1xEV-DO, Rev. 0)                                 | CDMA2000 | 3.76     | ±9.6                     |
| 10404 | AAB | CDMA2000 (1xEV-DO, Rev. A)                                 | CDMA2000 | 3.77     | ±9.6                     |
| 10406 | AAD | CDMA2000, RC3, SO32, SCH0, Full Rate                       | CDMA2000 | 5.22     | ±9.6                     |
| 10410 | AAA | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)  | LTE-TDD  | 7.82     | ±9.6                     |
| 10414 | AAA | WLAN CCDF, 64-QAM, 40 MHz                                  | Generic  | 8.54     | ±9.6                     |
| 10415 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)          | WLAN     | 1.54     | ±9.6                     |
| 10416 | AAA | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)      | WLAN     | 8.23     | ±9.6                     |
| 10417 | AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)          | WLAN     | 8.23     | ±9.6                     |
| 10418 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)  | WLAN     | 8.14     | ±9.6                     |
| 10419 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) | WLAN     | 8.19     | ±9.6                     |
| 10422 | AAA | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)               | WLAN     | 8.32     | ±9.6                     |
| 10423 | AAA | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)            | WLAN     | 8.47     | ±9.6                     |
| 10424 | AAE | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)            | WLAN     | 8.40     | ±9.6                     |
| 10425 | AAE | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)                | WLAN     | 8.41     | ±9.6                     |
| 10426 | AAE | IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)              | WLAN     | 8.45     | ±9.6                     |
| 10427 | AAB | IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)             | WLAN     | 8.41     | ±9.6                     |
| 10430 | AAB | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)                           | LTE-FDD  | 8.28     | ±9.6                     |
| 10431 | AAC | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)                          | LTE-FDD  | 8.38     | ±9.6                     |
| 10432 | AAB | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)                          | LTE-FDD  | 8.34     | ±9.6                     |
| 10433 | AAC | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)                          | LTE-FDD  | 8.34     | ±9.6                     |
| 10434 | AAG | W-CDMA (BS Test Model 1, 64 DPCH)                          | WCDMA    | 8.60     | ±9.6                     |
| 10435 | AAA | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)              | LTE-TDD  | 7.82     | ±9.6                     |
| 10447 | AAA | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)             | LTE-FDD  | 7.56     | ±9.6                     |
| 10448 | AAA | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)            | LTE-FDD  | 7.53     | ±9.6                     |
| 10449 | AAC | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)            | LTE-FDD  | 7.51     | ±9.6                     |
| 10450 | AAA | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)            | LTE-FDD  | 7.48     | ±9.6                     |
| 10451 | AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)            | WCDMA    | 7.59     | ±9.6                     |
| 10453 | AAC | Validation (Square, 10 ms, 1 ms)                           | Test     | 10.00    | ±9.6                     |
| 10456 | AAC | IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc dc)              | WLAN     | 8.63     | ±9.6                     |
| 10457 | AAC | UMTS-FDD (DC-HSDPA)                                        | WCDMA    | 6.62     | ±9.6                     |
| 10458 | AAC | CDMA2000 (1xEV-DO, Rev. B, 2 carriers)                     | CDMA2000 | 6.55     | ±9.6                     |
| 10459 | AAC | CDMA2000 (1xEV-DO, Rev. B, 3 carriers)                     | CDMA2000 | 8.25     | ±9.6                     |
| 10460 | AAC | UMTS-FDD (WCDMA, AMR)                                      | WCDMA    | 2.39     | ±9.6                     |
| 10461 | AAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)             | LTE-TDD  | 7.82     | ±9.6                     |
| 10462 | AAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)           | LTE-TDD  | 8.30     | ±9.6                     |
| 10463 | AAD | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)           | LTE-TDD  | 8.56     | ±9.6                     |
| 10464 | AAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub)               | LTE-TDD  | 7.82     | ±9.6                     |
| 10465 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)             | LTE-TDD  | 8.32     | ±9.6                     |
| 10466 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub)             | LTE-TDD  | 8.57     | ±9.6                     |
| 10467 | AAA | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)               | LTE-TDD  | 7.82     | ±9.6                     |
| 10468 | AAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)             | LTE-TDD  | 8.32     | ±9.6                     |
| 10469 | AAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)             | LTE-TDD  | 8.56     | ±9.6                     |
| 10470 | AAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)              | LTE-TDD  | 7.82     | ±9.6                     |
| 10471 | AAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)            | LTE-TDD  | 8.32     | ±9.6                     |

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| 10472 | AAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)     | LTE-TDD | 8.57     | ±9.6                     |
| 10473 | AAA | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)       | LTE-TDD | 7.82     | ±9.6                     |
| 10474 | AAC | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)     | LTE-TDD | 8.32     | ±9.6                     |
| 10475 | AAD | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)     | LTE-TDD | 8.57     | ±9.6                     |
| 10477 | AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)     | LTE-TDD | 8.32     | ±9.6                     |
| 10478 | AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)     | LTE-TDD | 8.57     | ±9.6                     |
| 10479 | AAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)    | LTE-TDD | 7.74     | ±9.6                     |
| 10480 | AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)  | LTE-TDD | 8.18     | ±9.6                     |
| 10481 | AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)  | LTE-TDD | 8.45     | ±9.6                     |
| 10482 | AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)      | LTE-TDD | 7.71     | ±9.6                     |
| 10483 | AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)       | LTE-TDD | 8.39     | ±9.6                     |
| 10484 | AAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)    | LTE-TDD | 8.47     | ±9.6                     |
| 10485 | AAB | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)      | LTE-TDD | 7.59     | ±9.6                     |
| 10486 | AAB | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)    | LTE-TDD | 8.38     | ±9.6                     |
| 10487 | AAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)    | LTE-TDD | 8.60     | ±9.6                     |
| 10488 | AAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)     | LTE-TDD | 7.70     | ±9.6                     |
| 10489 | AAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)   | LTE-TDD | 8.31     | ±9.6                     |
| 10490 | AAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)   | LTE-TDD | 8.54     | ±9.6                     |
| 10491 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)     | LTE-TDD | 7.74     | ±9.6                     |
| 10492 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)   | LTE-TDD | 8.41     | ±9.6                     |
| 10493 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)   | LTE-TDD | 8.55     | ±9.6                     |
| 10494 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)     | LTE-TDD | 7.74     | ±9.6                     |
| 10495 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub)   | LTE-TDD | 8.37     | ±9.6                     |
| 10496 | AAE | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)   | LTE-TDD | 8.54     | ±9.6                     |
| 10497 | AAE | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)   | LTE-TDD | 7.67     | ±9.6                     |
| 10498 | AAE | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.40     | ±9.6                     |
| 10499 | AAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.68     | ±9.6                     |
| 10500 | AAF | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)     | LTE-TDD | 7.67     | ±9.6                     |
| 10501 | AAF | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)   | LTE-TDD | 8.44     | ±9.6                     |
| 10502 | AAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)   | LTE-TDD | 8.52     | ±9.6                     |
| 10503 | AAB | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)     | LTE-TDD | 7.72     | ±9.6                     |
| 10504 | AAB | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)   | LTE-TDD | 8.31     | ±9.6                     |
| 10505 | AAC | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)   | LTE-TDD | 8.54     | ±9.6                     |
| 10506 | AAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)    | LTE-TDD | 7.74     | ±9.6                     |
| 10507 | AAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub)  | LTE-TDD | 8.36     | ±9.6                     |
| 10508 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)  | LTE-TDD | 8.55     | ±9.6                     |
| 10509 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)    | LTE-TDD | 7.99     | ±9.6                     |
| 10510 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)  | LTE-TDD | 8.49     | ±9.6                     |
| 10511 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub)  | LTE-TDD | 8.51     | ±9.6                     |
| 10512 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)    | LTE-TDD | 7.74     | ±9.6                     |
| 10513 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub)  | LTE-TDD | 8.42     | ±9.6                     |
| 10514 | AAE | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)  | LTE-TDD | 8.45     | ±9.6                     |
| 10515 | AAE | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)   | WLAN    | 1.58     | ±9.6                     |
| 10516 | AAE | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc) | WLAN    | 1.57     | ±9.6                     |
| 10517 | AAF | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)  | WLAN    | 1.58     | ±9.6                     |
| 10518 | AAF | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)   | WLAN    | 8.23     | ±9.6                     |
| 10519 | AAF | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)  | WLAN    | 8.39     | ±9.6                     |
| 10520 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)  | WLAN    | 8.12     | ±9.6                     |
| 10521 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)  | WLAN    | 7.97     | ±9.6                     |
| 10522 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc)  | WLAN    | 8.45     | ±9.6                     |
| 10523 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc)  | WLAN    | 8.08     | ±9.6                     |
| 10524 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc)  | WLAN    | 8.27     | ±9.6                     |
| 10525 | AAC | IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc dc)          | WLAN    | 8.36     | ±9.6                     |
| 10526 | AAF | IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc dc)          | WLAN    | 8.42     | ±9.6                     |
| 10527 | AAF | IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc dc)          | WLAN    | 8.21     | ±9.6                     |
| 10528 | AAF | IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc dc)          | WLAN    | 8.36     | ±9.6                     |
| 10529 | AAF | IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc dc)          | WLAN    | 8.36     | ±9.6                     |
| 10531 | AAF | IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc dc)          | WLAN    | 8.43     | ±9.6                     |
| 10532 | AAF | IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc dc)          | WLAN    | 8.29     | ±9.6                     |
| 10533 | AAE | IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc dc)          | WLAN    | 8.38     | ±9.6                     |
| 10534 | AAE | IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc dc)          | WLAN    | 8.45     | ±9.6                     |
| 10535 | AAE | IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc dc)          | WLAN    | 8.45     | ±9.6                     |
| 10536 | AAF | IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc dc)          | WLAN    | 8.32     | ±9.6                     |
| 10537 | AAF | IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc dc)          | WLAN    | 8.44     | ±9.6                     |
| 10538 | AAF | IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc dc)          | WLAN    | 8.54     | ±9.6                     |
| 10540 | AAA | IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc dc)          | WLAN    | 8.39     | ±9.6                     |

| UID   | Rev | Communication System Name                               | Group | PAR (dB) | Unc <sup>E</sup> $k = 2$ |
|-------|-----|---------------------------------------------------------|-------|----------|--------------------------|
| 10541 | AAA | IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc dc)              | WLAN  | 8.46     | ±9.6                     |
| 10542 | AAA | IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc dc)              | WLAN  | 8.65     | ±9.6                     |
| 10543 | AAC | IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc dc)              | WLAN  | 8.65     | ±9.6                     |
| 10544 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc dc)              | WLAN  | 8.47     | ±9.6                     |
| 10545 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc dc)              | WLAN  | 8.55     | ±9.6                     |
| 10546 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc dc)              | WLAN  | 8.35     | ±9.6                     |
| 10547 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc dc)              | WLAN  | 8.49     | ±9.6                     |
| 10548 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc dc)              | WLAN  | 8.37     | ±9.6                     |
| 10550 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc dc)              | WLAN  | 8.38     | ±9.6                     |
| 10551 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc dc)              | WLAN  | 8.50     | ±9.6                     |
| 10552 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc dc)              | WLAN  | 8.42     | ±9.6                     |
| 10553 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc dc)              | WLAN  | 8.45     | ±9.6                     |
| 10554 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc dc)             | WLAN  | 8.48     | ±9.6                     |
| 10555 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc dc)             | WLAN  | 8.47     | ±9.6                     |
| 10556 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc dc)             | WLAN  | 8.50     | ±9.6                     |
| 10557 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc dc)             | WLAN  | 8.52     | ±9.6                     |
| 10558 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc dc)             | WLAN  | 8.61     | ±9.6                     |
| 10560 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc dc)             | WLAN  | 8.73     | ±9.6                     |
| 10561 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc dc)             | WLAN  | 8.56     | ±9.6                     |
| 10562 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc dc)             | WLAN  | 8.69     | ±9.6                     |
| 10563 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS9, 99pc dc)             | WLAN  | 8.77     | ±9.6                     |
| 10564 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)  | WLAN  | 8.25     | ±9.6                     |
| 10565 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc) | WLAN  | 8.45     | ±9.6                     |
| 10566 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc) | WLAN  | 8.13     | ±9.6                     |
| 10567 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc) | WLAN  | 8.00     | ±9.6                     |
| 10568 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc) | WLAN  | 8.37     | ±9.6                     |
| 10569 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc) | WLAN  | 8.10     | ±9.6                     |
| 10570 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc) | WLAN  | 8.30     | ±9.6                     |
| 10571 | AAC | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)       | WLAN  | 1.99     | ±9.6                     |
| 10572 | AAC | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)       | WLAN  | 1.99     | ±9.6                     |
| 10573 | AAC | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)     | WLAN  | 1.98     | ±9.6                     |
| 10574 | AAC | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)      | WLAN  | 1.98     | ±9.6                     |
| 10575 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)  | WLAN  | 8.59     | ±9.6                     |
| 10576 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)  | WLAN  | 8.60     | ±9.6                     |
| 10577 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) | WLAN  | 8.70     | ±9.6                     |
| 10578 | AAD | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc) | WLAN  | 8.49     | ±9.6                     |
| 10579 | AAD | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) | WLAN  | 8.36     | ±9.6                     |
| 10580 | AAD | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) | WLAN  | 8.76     | ±9.6                     |
| 10581 | AAD | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) | WLAN  | 8.35     | ±9.6                     |
| 10582 | AAD | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) | WLAN  | 8.67     | ±9.6                     |
| 10583 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)       | WLAN  | 8.59     | ±9.6                     |
| 10584 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)       | WLAN  | 8.60     | ±9.6                     |
| 10585 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)      | WLAN  | 8.70     | ±9.6                     |
| 10586 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)      | WLAN  | 8.49     | ±9.6                     |
| 10587 | AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)      | WLAN  | 8.36     | ±9.6                     |
| 10588 | AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)      | WLAN  | 8.76     | ±9.6                     |
| 10589 | AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)      | WLAN  | 8.35     | ±9.6                     |
| 10590 | AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)      | WLAN  | 8.67     | ±9.6                     |
| 10591 | AAA | IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc dc)          | WLAN  | 8.63     | ±9.6                     |
| 10592 | AAA | IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc dc)          | WLAN  | 8.79     | ±9.6                     |
| 10593 | AAA | IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc dc)          | WLAN  | 8.64     | ±9.6                     |
| 10594 | AAA | IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc dc)          | WLAN  | 8.74     | ±9.6                     |
| 10595 | AAA | IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc dc)          | WLAN  | 8.74     | ±9.6                     |
| 10596 | AAA | IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc dc)          | WLAN  | 8.71     | ±9.6                     |
| 10597 | AAA | IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc dc)          | WLAN  | 8.72     | ±9.6                     |
| 10598 | AAA | IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc dc)          | WLAN  | 8.50     | ±9.6                     |
| 10599 | AAA | IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc dc)          | WLAN  | 8.79     | ±9.6                     |
| 10600 | AAA | IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc dc)          | WLAN  | 8.88     | ±9.6                     |
| 10601 | AAA | IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc dc)          | WLAN  | 8.82     | ±9.6                     |
| 10602 | AAA | IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc dc)          | WLAN  | 8.94     | ±9.6                     |
| 10603 | AAA | IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc dc)          | WLAN  | 9.03     | ±9.6                     |
| 10604 | AAA | IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc dc)          | WLAN  | 8.76     | ±9.6                     |
| 10605 | AAA | IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc dc)          | WLAN  | 8.97     | ±9.6                     |
| 10606 | AAC | IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc dc)          | WLAN  | 8.82     | ±9.6                     |
| 10607 | AAC | IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc dc)              | WLAN  | 8.64     | ±9.6                     |
| 10608 | AAC | IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc dc)              | WLAN  | 8.77     | ±9.6                     |

| UID   | Rev | Communication System Name                         | Group     | PAR (dB) | Unc <sup>E</sup> k = 2 |
|-------|-----|---------------------------------------------------|-----------|----------|------------------------|
| 10609 | AAC | IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc dc)        | WLAN      | 8.57     | ±9.6                   |
| 10610 | AAC | IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc dc)        | WLAN      | 8.78     | ±9.6                   |
| 10611 | AAC | IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc dc)        | WLAN      | 8.70     | ±9.6                   |
| 10612 | AAC | IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc dc)        | WLAN      | 8.77     | ±9.6                   |
| 10613 | AAC | IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc dc)        | WLAN      | 8.94     | ±9.6                   |
| 10614 | AAC | IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc dc)        | WLAN      | 8.59     | ±9.6                   |
| 10615 | AAC | IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc dc)        | WLAN      | 8.82     | ±9.6                   |
| 10616 | AAC | IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc dc)        | WLAN      | 8.82     | ±9.6                   |
| 10617 | AAC | IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc dc)        | WLAN      | 8.81     | ±9.6                   |
| 10618 | AAC | IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc dc)        | WLAN      | 8.58     | ±9.6                   |
| 10619 | AAC | IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc dc)        | WLAN      | 8.86     | ±9.6                   |
| 10620 | AAC | IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc dc)        | WLAN      | 8.87     | ±9.6                   |
| 10621 | AAC | IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc dc)        | WLAN      | 8.77     | ±9.6                   |
| 10622 | AAC | IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc dc)        | WLAN      | 8.68     | ±9.6                   |
| 10623 | AAC | IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc dc)        | WLAN      | 8.82     | ±9.6                   |
| 10624 | AAC | IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc dc)        | WLAN      | 8.96     | ±9.6                   |
| 10625 | AAC | IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc dc)        | WLAN      | 8.96     | ±9.6                   |
| 10626 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc dc)        | WLAN      | 8.83     | ±9.6                   |
| 10627 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc dc)        | WLAN      | 8.88     | ±9.6                   |
| 10628 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc dc)        | WLAN      | 8.71     | ±9.6                   |
| 10629 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc dc)        | WLAN      | 8.85     | ±9.6                   |
| 10630 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc dc)        | WLAN      | 8.72     | ±9.6                   |
| 10631 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc dc)        | WLAN      | 8.81     | ±9.6                   |
| 10632 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc dc)        | WLAN      | 8.74     | ±9.6                   |
| 10633 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc dc)        | WLAN      | 8.83     | ±9.6                   |
| 10634 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc dc)        | WLAN      | 8.80     | ±9.6                   |
| 10635 | AAC | IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc dc)        | WLAN      | 8.81     | ±9.6                   |
| 10636 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc dc)       | WLAN      | 8.83     | ±9.6                   |
| 10637 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc dc)       | WLAN      | 8.79     | ±9.6                   |
| 10638 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc dc)       | WLAN      | 8.86     | ±9.6                   |
| 10639 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc dc)       | WLAN      | 8.85     | ±9.6                   |
| 10640 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc dc)       | WLAN      | 8.98     | ±9.6                   |
| 10641 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc dc)       | WLAN      | 9.06     | ±9.6                   |
| 10642 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc dc)       | WLAN      | 9.06     | ±9.6                   |
| 10643 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc dc)       | WLAN      | 8.89     | ±9.6                   |
| 10644 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc dc)       | WLAN      | 9.05     | ±9.6                   |
| 10645 | AAC | IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc dc)       | WLAN      | 9.11     | ±9.6                   |
| 10646 | AAC | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)  | LTE-TDD   | 11.96    | ±9.6                   |
| 10647 | AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7) | LTE-TDD   | 11.96    | ±9.6                   |
| 10648 | AAC | CDMA2000 (1x Advanced)                            | CDMA2000  | 3.45     | ±9.6                   |
| 10652 | AAC | LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)    | LTE-TDD   | 6.91     | ±9.6                   |
| 10653 | AAC | LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)   | LTE-TDD   | 7.42     | ±9.6                   |
| 10654 | AAC | LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)   | LTE-TDD   | 6.96     | ±9.6                   |
| 10655 | AAC | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)   | LTE-TDD   | 7.21     | ±9.6                   |
| 10658 | AAC | Pulse Waveform (200 Hz, 10%)                      | Test      | 10.00    | ±9.6                   |
| 10659 | AAC | Pulse Waveform (200 Hz, 20%)                      | Test      | 6.99     | ±9.6                   |
| 10660 | AAC | Pulse Waveform (200 Hz, 40%)                      | Test      | 3.98     | ±9.6                   |
| 10661 | AAC | Pulse Waveform (200 Hz, 60%)                      | Test      | 2.22     | ±9.6                   |
| 10662 | AAC | Pulse Waveform (200 Hz, 80%)                      | Test      | 0.97     | ±9.6                   |
| 10670 | AAC | Bluetooth Low Energy                              | Bluetooth | 2.19     | ±9.6                   |
| 10671 | AAD | IEEE 802.11ax (20 MHz, MCS0, 90pc dc)             | WLAN      | 9.09     | ±9.6                   |
| 10672 | AAD | IEEE 802.11ax (20 MHz, MCS1, 90pc dc)             | WLAN      | 8.57     | ±9.6                   |
| 10673 | AAD | IEEE 802.11ax (20 MHz, MCS2, 90pc dc)             | WLAN      | 8.78     | ±9.6                   |
| 10674 | AAD | IEEE 802.11ax (20 MHz, MCS3, 90pc dc)             | WLAN      | 8.74     | ±9.6                   |
| 10675 | AAD | IEEE 802.11ax (20 MHz, MCS4, 90pc dc)             | WLAN      | 8.90     | ±9.6                   |
| 10676 | AAD | IEEE 802.11ax (20 MHz, MCS5, 90pc dc)             | WLAN      | 8.77     | ±9.6                   |
| 10677 | AAD | IEEE 802.11ax (20 MHz, MCS6, 90pc dc)             | WLAN      | 8.73     | ±9.6                   |
| 10678 | AAD | IEEE 802.11ax (20 MHz, MCS7, 90pc dc)             | WLAN      | 8.78     | ±9.6                   |
| 10679 | AAD | IEEE 802.11ax (20 MHz, MCS8, 90pc dc)             | WLAN      | 8.89     | ±9.6                   |
| 10680 | AAD | IEEE 802.11ax (20 MHz, MCS9, 90pc dc)             | WLAN      | 8.80     | ±9.6                   |
| 10681 | AAG | IEEE 802.11ax (20 MHz, MCS10, 90pc dc)            | WLAN      | 8.62     | ±9.6                   |
| 10682 | AAF | IEEE 802.11ax (20 MHz, MCS11, 90pc dc)            | WLAN      | 8.83     | ±9.6                   |
| 10683 | AAA | IEEE 802.11ax (20 MHz, MCS0, 99pc dc)             | WLAN      | 8.42     | ±9.6                   |
| 10684 | AAC | IEEE 802.11ax (20 MHz, MCS1, 99pc dc)             | WLAN      | 8.26     | ±9.6                   |
| 10685 | AAC | IEEE 802.11ax (20 MHz, MCS2, 99pc dc)             | WLAN      | 8.33     | ±9.6                   |
| 10686 | AAC | IEEE 802.11ax (20 MHz, MCS3, 99pc dc)             | WLAN      | 8.28     | ±9.6                   |

| UID   | Rev | Communication System Name              | Group | PAR (dB) | Unc <sup>E</sup> $k = 2$ |
|-------|-----|----------------------------------------|-------|----------|--------------------------|
| 10687 | AAE | IEEE 802.11ax (20 MHz, MCS4, 99pc dc)  | WLAN  | 8.45     | ±9.6                     |
| 10688 | AAE | IEEE 802.11ax (20 MHz, MCS5, 99pc dc)  | WLAN  | 8.29     | ±9.6                     |
| 10689 | AAD | IEEE 802.11ax (20 MHz, MCS6, 99pc dc)  | WLAN  | 8.55     | ±9.6                     |
| 10690 | AAE | IEEE 802.11ax (20 MHz, MCS7, 99pc dc)  | WLAN  | 8.29     | ±9.6                     |
| 10691 | AAB | IEEE 802.11ax (20 MHz, MCS8, 99pc dc)  | WLAN  | 8.25     | ±9.6                     |
| 10692 | AAA | IEEE 802.11ax (20 MHz, MCS9, 99pc dc)  | WLAN  | 8.29     | ±9.6                     |
| 10693 | AAA | IEEE 802.11ax (20 MHz, MCS10, 99pc dc) | WLAN  | 8.25     | ±9.6                     |
| 10694 | AAA | IEEE 802.11ax (20 MHz, MCS11, 99pc dc) | WLAN  | 8.57     | ±9.6                     |
| 10695 | AAA | IEEE 802.11ax (40 MHz, MCS0, 90pc dc)  | WLAN  | 8.78     | ±9.6                     |
| 10696 | AAA | IEEE 802.11ax (40 MHz, MCS1, 90pc dc)  | WLAN  | 8.91     | ±9.6                     |
| 10697 | AAA | IEEE 802.11ax (40 MHz, MCS2, 90pc dc)  | WLAN  | 8.61     | ±9.6                     |
| 10698 | AAA | IEEE 802.11ax (40 MHz, MCS3, 90pc dc)  | WLAN  | 8.89     | ±9.6                     |
| 10699 | AAA | IEEE 802.11ax (40 MHz, MCS4, 90pc dc)  | WLAN  | 8.82     | ±9.6                     |
| 10700 | AAA | IEEE 802.11ax (40 MHz, MCS5, 90pc dc)  | WLAN  | 8.73     | ±9.6                     |
| 10701 | AAA | IEEE 802.11ax (40 MHz, MCS6, 90pc dc)  | WLAN  | 8.86     | ±9.6                     |
| 10702 | AAA | IEEE 802.11ax (40 MHz, MCS7, 90pc dc)  | WLAN  | 8.70     | ±9.6                     |
| 10703 | AAA | IEEE 802.11ax (40 MHz, MCS8, 90pc dc)  | WLAN  | 8.82     | ±9.6                     |
| 10704 | AAA | IEEE 802.11ax (40 MHz, MCS9, 90pc dc)  | WLAN  | 8.56     | ±9.6                     |
| 10705 | AAA | IEEE 802.11ax (40 MHz, MCS10, 90pc dc) | WLAN  | 8.69     | ±9.6                     |
| 10706 | AAC | IEEE 802.11ax (40 MHz, MCS11, 90pc dc) | WLAN  | 8.66     | ±9.6                     |
| 10707 | AAC | IEEE 802.11ax (40 MHz, MCS0, 99pc dc)  | WLAN  | 8.32     | ±9.6                     |
| 10708 | AAC | IEEE 802.11ax (40 MHz, MCS1, 99pc dc)  | WLAN  | 8.55     | ±9.6                     |
| 10709 | AAC | IEEE 802.11ax (40 MHz, MCS2, 99pc dc)  | WLAN  | 8.33     | ±9.6                     |
| 10710 | AAC | IEEE 802.11ax (40 MHz, MCS3, 99pc dc)  | WLAN  | 8.29     | ±9.6                     |
| 10711 | AAC | IEEE 802.11ax (40 MHz, MCS4, 99pc dc)  | WLAN  | 8.39     | ±9.6                     |
| 10712 | AAC | IEEE 802.11ax (40 MHz, MCS5, 99pc dc)  | WLAN  | 8.67     | ±9.6                     |
| 10713 | AAC | IEEE 802.11ax (40 MHz, MCS6, 99pc dc)  | WLAN  | 8.33     | ±9.6                     |
| 10714 | AAC | IEEE 802.11ax (40 MHz, MCS7, 99pc dc)  | WLAN  | 8.26     | ±9.6                     |
| 10715 | AAC | IEEE 802.11ax (40 MHz, MCS8, 99pc dc)  | WLAN  | 8.45     | ±9.6                     |
| 10716 | AAC | IEEE 802.11ax (40 MHz, MCS9, 99pc dc)  | WLAN  | 8.30     | ±9.6                     |
| 10717 | AAC | IEEE 802.11ax (40 MHz, MCS10, 99pc dc) | WLAN  | 8.48     | ±9.6                     |
| 10718 | AAC | IEEE 802.11ax (40 MHz, MCS11, 99pc dc) | WLAN  | 8.24     | ±9.6                     |
| 10719 | AAC | IEEE 802.11ax (80 MHz, MCS0, 90pc dc)  | WLAN  | 8.81     | ±9.6                     |
| 10720 | AAC | IEEE 802.11ax (80 MHz, MCS1, 90pc dc)  | WLAN  | 8.87     | ±9.6                     |
| 10721 | AAC | IEEE 802.11ax (80 MHz, MCS2, 90pc dc)  | WLAN  | 8.76     | ±9.6                     |
| 10722 | AAC | IEEE 802.11ax (80 MHz, MCS3, 90pc dc)  | WLAN  | 8.55     | ±9.6                     |
| 10723 | AAC | IEEE 802.11ax (80 MHz, MCS4, 90pc dc)  | WLAN  | 8.70     | ±9.6                     |
| 10724 | AAC | IEEE 802.11ax (80 MHz, MCS5, 90pc dc)  | WLAN  | 8.90     | ±9.6                     |
| 10725 | AAC | IEEE 802.11ax (80 MHz, MCS6, 90pc dc)  | WLAN  | 8.74     | ±9.6                     |
| 10726 | AAC | IEEE 802.11ax (80 MHz, MCS7, 90pc dc)  | WLAN  | 8.72     | ±9.6                     |
| 10727 | AAC | IEEE 802.11ax (80 MHz, MCS8, 90pc dc)  | WLAN  | 8.66     | ±9.6                     |
| 10728 | AAC | IEEE 802.11ax (80 MHz, MCS9, 90pc dc)  | WLAN  | 8.65     | ±9.6                     |
| 10729 | AAC | IEEE 802.11ax (80 MHz, MCS10, 90pc dc) | WLAN  | 8.64     | ±9.6                     |
| 10730 | AAC | IEEE 802.11ax (80 MHz, MCS11, 90pc dc) | WLAN  | 8.67     | ±9.6                     |
| 10731 | AAC | IEEE 802.11ax (80 MHz, MCS0, 99pc dc)  | WLAN  | 8.42     | ±9.6                     |
| 10732 | AAC | IEEE 802.11ax (80 MHz, MCS1, 99pc dc)  | WLAN  | 8.46     | ±9.6                     |
| 10733 | AAC | IEEE 802.11ax (80 MHz, MCS2, 99pc dc)  | WLAN  | 8.40     | ±9.6                     |
| 10734 | AAC | IEEE 802.11ax (80 MHz, MCS3, 99pc dc)  | WLAN  | 8.25     | ±9.6                     |
| 10735 | AAC | IEEE 802.11ax (80 MHz, MCS4, 99pc dc)  | WLAN  | 8.33     | ±9.6                     |
| 10736 | AAC | IEEE 802.11ax (80 MHz, MCS5, 99pc dc)  | WLAN  | 8.27     | ±9.6                     |
| 10737 | AAC | IEEE 802.11ax (80 MHz, MCS6, 99pc dc)  | WLAN  | 8.36     | ±9.6                     |
| 10738 | AAC | IEEE 802.11ax (80 MHz, MCS7, 99pc dc)  | WLAN  | 8.42     | ±9.6                     |
| 10739 | AAC | IEEE 802.11ax (80 MHz, MCS8, 99pc dc)  | WLAN  | 8.29     | ±9.6                     |
| 10740 | AAC | IEEE 802.11ax (80 MHz, MCS9, 99pc dc)  | WLAN  | 8.48     | ±9.6                     |
| 10741 | AAC | IEEE 802.11ax (80 MHz, MCS10, 99pc dc) | WLAN  | 8.40     | ±9.6                     |
| 10742 | AAC | IEEE 802.11ax (80 MHz, MCS11, 99pc dc) | WLAN  | 8.43     | ±9.6                     |
| 10743 | AAC | IEEE 802.11ax (160 MHz, MCS0, 90pc dc) | WLAN  | 8.94     | ±9.6                     |
| 10744 | AAC | IEEE 802.11ax (160 MHz, MCS1, 90pc dc) | WLAN  | 9.16     | ±9.6                     |
| 10745 | AAC | IEEE 802.11ax (160 MHz, MCS2, 90pc dc) | WLAN  | 8.93     | ±9.6                     |
| 10746 | AAC | IEEE 802.11ax (160 MHz, MCS3, 90pc dc) | WLAN  | 9.11     | ±9.6                     |
| 10747 | AAC | IEEE 802.11ax (160 MHz, MCS4, 90pc dc) | WLAN  | 9.04     | ±9.6                     |
| 10748 | AAC | IEEE 802.11ax (160 MHz, MCS5, 90pc dc) | WLAN  | 8.93     | ±9.6                     |
| 10749 | AAC | IEEE 802.11ax (160 MHz, MCS6, 90pc dc) | WLAN  | 8.90     | ±9.6                     |
| 10750 | AAC | IEEE 802.11ax (160 MHz, MCS7, 90pc dc) | WLAN  | 8.79     | ±9.6                     |
| 10751 | AAC | IEEE 802.11ax (160 MHz, MCS8, 90pc dc) | WLAN  | 8.82     | ±9.6                     |
| 10752 | AAC | IEEE 802.11ax (160 MHz, MCS9, 90pc dc) | WLAN  | 8.81     | ±9.6                     |

| UID   | Rev | Communication System Name                      | Group         | PAR (dB) | Unc <sup>E</sup> $k = 2$ |
|-------|-----|------------------------------------------------|---------------|----------|--------------------------|
| 10753 | AAC | IEEE 802.11ax (160 MHz, MCS10, 90pc dc)        | WLAN          | 9.00     | ±9.6                     |
| 10754 | AAC | IEEE 802.11ax (160 MHz, MCS11, 90pc dc)        | WLAN          | 8.94     | ±9.6                     |
| 10755 | AAC | IEEE 802.11ax (160 MHz, MCS0, 99pc dc)         | WLAN          | 8.64     | ±9.6                     |
| 10756 | AAC | IEEE 802.11ax (160 MHz, MCS1, 99pc dc)         | WLAN          | 8.77     | ±9.6                     |
| 10757 | AAC | IEEE 802.11ax (160 MHz, MCS2, 99pc dc)         | WLAN          | 8.77     | ±9.6                     |
| 10758 | AAC | IEEE 802.11ax (160 MHz, MCS3, 99pc dc)         | WLAN          | 8.69     | ±9.6                     |
| 10759 | AAC | IEEE 802.11ax (160 MHz, MCS4, 99pc dc)         | WLAN          | 8.58     | ±9.6                     |
| 10760 | AAC | IEEE 802.11ax (160 MHz, MCS5, 99pc dc)         | WLAN          | 8.49     | ±9.6                     |
| 10761 | AAC | IEEE 802.11ax (160 MHz, MCS6, 99pc dc)         | WLAN          | 8.58     | ±9.6                     |
| 10762 | AAC | IEEE 802.11ax (160 MHz, MCS7, 99pc dc)         | WLAN          | 8.49     | ±9.6                     |
| 10763 | AAC | IEEE 802.11ax (160 MHz, MCS8, 99pc dc)         | WLAN          | 8.53     | ±9.6                     |
| 10764 | AAC | IEEE 802.11ax (160 MHz, MCS9, 99pc dc)         | WLAN          | 8.54     | ±9.6                     |
| 10765 | AAC | IEEE 802.11ax (160 MHz, MCS10, 99pc dc)        | WLAN          | 8.54     | ±9.6                     |
| 10766 | AAC | IEEE 802.11ax (160 MHz, MCS11, 99pc dc)        | WLAN          | 8.51     | ±9.6                     |
| 10767 | AAC | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)     | 5G NR FR1 TDD | 7.99     | ±9.6                     |
| 10768 | AAC | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.01     | ±9.6                     |
| 10769 | AAC | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.01     | ±9.6                     |
| 10770 | AAC | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.02     | ±9.6                     |
| 10771 | AAC | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.02     | ±9.6                     |
| 10772 | AAC | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.23     | ±9.6                     |
| 10773 | AAC | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.03     | ±9.6                     |
| 10774 | AAC | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)    | 5G NR FR1 TDD | 8.02     | ±9.6                     |
| 10775 | AAC | 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)   | 5G NR FR1 TDD | 8.31     | ±9.6                     |
| 10776 | AAC | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.30     | ±9.6                     |
| 10777 | AAC | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.30     | ±9.6                     |
| 10778 | AAC | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.34     | ±9.6                     |
| 10779 | AAC | 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.42     | ±9.6                     |
| 10780 | AAC | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.38     | ±9.6                     |
| 10781 | AAC | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.38     | ±9.6                     |
| 10782 | AAC | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.43     | ±9.6                     |
| 10783 | AAC | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)  | 5G NR FR1 TDD | 8.31     | ±9.6                     |
| 10784 | AAC | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.29     | ±9.6                     |
| 10785 | AAC | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.40     | ±9.6                     |
| 10786 | AAC | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.35     | ±9.6                     |
| 10787 | AAC | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.44     | ±9.6                     |
| 10788 | AAC | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.39     | ±9.6                     |
| 10789 | AAC | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.37     | ±9.6                     |
| 10790 | AAC | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.39     | ±9.6                     |
| 10791 | AAC | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 7.83     | ±9.6                     |
| 10792 | AAC | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.92     | ±9.6                     |
| 10793 | AAC | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.95     | ±9.6                     |
| 10794 | AAC | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.82     | ±9.6                     |
| 10795 | AAC | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.84     | ±9.6                     |
| 10796 | AAC | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.82     | ±9.6                     |
| 10797 | AAC | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 8.01     | ±9.6                     |
| 10798 | AAC | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.89     | ±9.6                     |
| 10799 | AAC | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.93     | ±9.6                     |
| 10801 | AAC | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.89     | ±9.6                     |
| 10802 | AAC | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 7.87     | ±9.6                     |
| 10803 | AAC | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 7.93     | ±9.6                     |
| 10805 | AAD | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.34     | ±9.6                     |
| 10806 | AAD | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.37     | ±9.6                     |
| 10809 | AAD | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.34     | ±9.6                     |
| 10810 | AAD | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.34     | ±9.6                     |
| 10812 | AAD | 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.35     | ±9.6                     |
| 10817 | AAD | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)  | 5G NR FR1 TDD | 8.35     | ±9.6                     |
| 10818 | AAD | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34     | ±9.6                     |
| 10819 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.33     | ±9.6                     |
| 10820 | AAD | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.30     | ±9.6                     |
| 10821 | AAC | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±9.6                     |
| 10822 | AAD | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±9.6                     |
| 10823 | AAC | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.36     | ±9.6                     |
| 10824 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.39     | ±9.6                     |
| 10825 | AAD | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41     | ±9.6                     |
| 10827 | AAD | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.42     | ±9.6                     |
| 10828 | AAD | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.43     | ±9.6                     |

| UID   | Rev | Communication System Name                            | Group         | PAR (dB) | Unc <sup>E</sup> $k = 2$ |
|-------|-----|------------------------------------------------------|---------------|----------|--------------------------|
| 10829 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 8.40     | ±9.6                     |
| 10830 | AAD | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.63     | ±9.6                     |
| 10831 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.73     | ±9.6                     |
| 10832 | AAD | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.74     | ±9.6                     |
| 10833 | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.70     | ±9.6                     |
| 10834 | AAD | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.75     | ±9.6                     |
| 10835 | AAD | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.70     | ±9.6                     |
| 10836 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.66     | ±9.6                     |
| 10837 | AAD | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.68     | ±9.6                     |
| 10839 | AAD | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.70     | ±9.6                     |
| 10840 | AAD | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)          | 5G NR FR1 TDD | 7.67     | ±9.6                     |
| 10841 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)         | 5G NR FR1 TDD | 7.71     | ±9.6                     |
| 10843 | AAD | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)        | 5G NR FR1 TDD | 8.49     | ±9.6                     |
| 10844 | AAD | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)        | 5G NR FR1 TDD | 8.34     | ±9.6                     |
| 10846 | AAD | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)        | 5G NR FR1 TDD | 8.41     | ±9.6                     |
| 10854 | AAD | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.34     | ±9.6                     |
| 10855 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.36     | ±9.6                     |
| 10856 | AAD | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.37     | ±9.6                     |
| 10857 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.35     | ±9.6                     |
| 10858 | AAD | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.36     | ±9.6                     |
| 10859 | AAD | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.34     | ±9.6                     |
| 10860 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.41     | ±9.6                     |
| 10861 | AAD | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.40     | ±9.6                     |
| 10863 | AAD | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.41     | ±9.6                     |
| 10864 | AAE | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)       | 5G NR FR1 TDD | 8.37     | ±9.6                     |
| 10865 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)      | 5G NR FR1 TDD | 8.41     | ±9.6                     |
| 10866 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 5.68     | ±9.6                     |
| 10868 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.89     | ±9.6                     |
| 10869 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)     | 5G NR FR2 TDD | 5.75     | ±9.6                     |
| 10870 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)  | 5G NR FR2 TDD | 5.86     | ±9.6                     |
| 10871 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)    | 5G NR FR2 TDD | 5.75     | ±9.6                     |
| 10872 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.52     | ±9.6                     |
| 10873 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)    | 5G NR FR2 TDD | 6.61     | ±9.6                     |
| 10874 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.65     | ±9.6                     |
| 10875 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)        | 5G NR FR2 TDD | 7.78     | ±9.6                     |
| 10876 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)     | 5G NR FR2 TDD | 8.39     | ±9.6                     |
| 10877 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)       | 5G NR FR2 TDD | 7.95     | ±9.6                     |
| 10878 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)    | 5G NR FR2 TDD | 8.41     | ±9.6                     |
| 10879 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)       | 5G NR FR2 TDD | 8.12     | ±9.6                     |
| 10880 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)    | 5G NR FR2 TDD | 8.38     | ±9.6                     |
| 10881 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)      | 5G NR FR2 TDD | 5.75     | ±9.6                     |
| 10882 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)   | 5G NR FR2 TDD | 5.96     | ±9.6                     |
| 10883 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)     | 5G NR FR2 TDD | 6.57     | ±9.6                     |
| 10884 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)  | 5G NR FR2 TDD | 6.53     | ±9.6                     |
| 10885 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)     | 5G NR FR2 TDD | 6.61     | ±9.6                     |
| 10886 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)  | 5G NR FR2 TDD | 6.65     | ±9.6                     |
| 10887 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)         | 5G NR FR2 TDD | 7.78     | ±9.6                     |
| 10888 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)      | 5G NR FR2 TDD | 8.35     | ±9.6                     |
| 10889 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)        | 5G NR FR2 TDD | 8.02     | ±9.6                     |
| 10890 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)     | 5G NR FR2 TDD | 8.40     | ±9.6                     |
| 10891 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)        | 5G NR FR2 TDD | 8.13     | ±9.6                     |
| 10892 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)     | 5G NR FR2 TDD | 8.41     | ±9.6                     |
| 10897 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)        | 5G NR FR1 TDD | 5.66     | ±9.6                     |
| 10898 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.67     | ±9.6                     |
| 10899 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.67     | ±9.6                     |
| 10900 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68     | ±9.6                     |
| 10901 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68     | ±9.6                     |
| 10902 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68     | ±9.6                     |
| 10903 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68     | ±9.6                     |
| 10904 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68     | ±9.6                     |
| 10905 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68     | ±9.6                     |
| 10906 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)       | 5G NR FR1 TDD | 5.68     | ±9.6                     |
| 10907 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)      | 5G NR FR1 TDD | 5.78     | ±9.6                     |
| 10908 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.93     | ±9.6                     |
| 10909 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.96     | ±9.6                     |
| 10910 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 5.83     | ±9.6                     |

| UID   | Rev | Communication System Name                           | Group         | PAR (dB) | Unc <sup>E</sup> $k = 2$ |
|-------|-----|-----------------------------------------------------|---------------|----------|--------------------------|
| 10911 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.93     | ±9.6                     |
| 10912 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.84     | ±9.6                     |
| 10913 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.84     | ±9.6                     |
| 10914 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.85     | ±9.6                     |
| 10915 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.83     | ±9.6                     |
| 10916 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.87     | ±9.6                     |
| 10917 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.94     | ±9.6                     |
| 10918 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)    | 5G NR FR1 TDD | 5.86     | ±9.6                     |
| 10919 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.86     | ±9.6                     |
| 10920 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.87     | ±9.6                     |
| 10921 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84     | ±9.6                     |
| 10922 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.82     | ±9.6                     |
| 10923 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84     | ±9.6                     |
| 10924 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84     | ±9.6                     |
| 10925 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.95     | ±9.6                     |
| 10926 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.84     | ±9.6                     |
| 10927 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)   | 5G NR FR1 TDD | 5.94     | ±9.6                     |
| 10928 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)       | 5G NR FR1 FDD | 5.52     | ±9.6                     |
| 10929 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.52     | ±9.6                     |
| 10930 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.52     | ±9.6                     |
| 10931 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51     | ±9.6                     |
| 10932 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51     | ±9.6                     |
| 10933 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51     | ±9.6                     |
| 10934 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51     | ±9.6                     |
| 10935 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)      | 5G NR FR1 FDD | 5.51     | ±9.6                     |
| 10936 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)     | 5G NR FR1 FDD | 5.90     | ±9.6                     |
| 10937 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.77     | ±9.6                     |
| 10938 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.90     | ±9.6                     |
| 10939 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.82     | ±9.6                     |
| 10940 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.89     | ±9.6                     |
| 10941 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.83     | ±9.6                     |
| 10942 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.85     | ±9.6                     |
| 10943 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.95     | ±9.6                     |
| 10944 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)    | 5G NR FR1 FDD | 5.81     | ±9.6                     |
| 10945 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.85     | ±9.6                     |
| 10946 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.83     | ±9.6                     |
| 10947 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.87     | ±9.6                     |
| 10948 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.94     | ±9.6                     |
| 10949 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.87     | ±9.6                     |
| 10950 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.94     | ±9.6                     |
| 10951 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)   | 5G NR FR1 FDD | 5.92     | ±9.6                     |
| 10952 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)   | 5G NR FR1 FDD | 8.25     | ±9.6                     |
| 10953 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.15     | ±9.6                     |
| 10954 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.23     | ±9.6                     |
| 10955 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 FDD | 8.42     | ±9.6                     |
| 10956 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)   | 5G NR FR1 FDD | 8.14     | ±9.6                     |
| 10957 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.31     | ±9.6                     |
| 10958 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.61     | ±9.6                     |
| 10959 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 FDD | 8.33     | ±9.6                     |
| 10960 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)   | 5G NR FR1 TDD | 9.32     | ±9.6                     |
| 10961 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.36     | ±9.6                     |
| 10962 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.40     | ±9.6                     |
| 10963 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)  | 5G NR FR1 TDD | 9.55     | ±9.6                     |
| 10964 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)   | 5G NR FR1 TDD | 9.29     | ±9.6                     |
| 10965 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.37     | ±9.6                     |
| 10966 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.55     | ±9.6                     |
| 10967 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)  | 5G NR FR1 TDD | 9.42     | ±9.6                     |
| 10968 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.49     | ±9.6                     |
| 10972 | AAB | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)         | 5G NR FR1 TDD | 11.59    | ±9.6                     |
| 10973 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)     | 5G NR FR1 TDD | 9.06     | ±9.6                     |
| 10974 | AAB | 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)  | 5G NR FR1 TDD | 10.28    | ±9.6                     |
| 10978 | AAA | ULLA BDR                                            | ULLA          | 2.23     | ±9.6                     |
| 10979 | AAA | ULLA HDR4                                           | ULLA          | 7.02     | ±9.6                     |
| 10980 | AAA | ULLA HDR8                                           | ULLA          | 8.82     | ±9.6                     |
| 10981 | AAA | ULLA HDRp4                                          | ULLA          | 1.50     | ±9.6                     |
| 10982 | AAA | ULLA HDRp8                                          | ULLA          | 1.44     | ±9.6                     |

| UID   | Rev | Communication System Name                          | Group         | PAR (dB) | Unc <sup>E</sup> $k = 2$ |
|-------|-----|----------------------------------------------------|---------------|----------|--------------------------|
| 10983 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.31     | $\pm 9.6$                |
| 10984 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.42     | $\pm 9.6$                |
| 10985 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.54     | $\pm 9.6$                |
| 10986 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.50     | $\pm 9.6$                |
| 10987 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.53     | $\pm 9.6$                |
| 10988 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.38     | $\pm 9.6$                |
| 10989 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.33     | $\pm 9.6$                |
| 10990 | AAA | 5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.52     | $\pm 9.6$                |

<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.



## Appendix D. Conducted RF Output Power Table

The detailed power table are shown as follows.

**WWAN Full Power\_Ant0**

| Band          | GSM850 |       |       |                    | GSM1900 |       |        |                    |
|---------------|--------|-------|-------|--------------------|---------|-------|--------|--------------------|
| Channel       | 128    | 189   | 251   | Max. Tune-up Power | 512     | 661   | 810    | Max. Tune-up Power |
| Frequency     | 824.2  | 836.4 | 848.8 |                    | 1850.2  | 1880  | 1909.8 |                    |
| GSM           | 32.34  | 32.32 | 32.38 | 34.00              | 29.34   | 29.29 | 29.26  | 31.00              |
| GPRS 1Tx Slot | 32.32  | 32.29 | 32.36 | 34.00              | 29.31   | 29.26 | 29.24  | 31.00              |
| GPRS 2Tx Slot | 31.53  | 31.54 | 31.67 | 32.50              | 28.57   | 28.34 | 28.45  | 30.00              |
| GPRS 3Tx Slot | 29.89  | 29.87 | 30.03 | 30.50              | 26.81   | 26.71 | 26.78  | 28.00              |
| GPRS 4Tx Slot | 28.69  | 28.84 | 28.87 | 29.50              | 25.56   | 25.40 | 25.59  | 27.00              |
| EDGE 1Tx Slot | 26.44  | 26.46 | 26.46 | 28.00              | 25.98   | 25.78 | 25.75  | 27.50              |
| EDGE 2Tx Slot | 25.35  | 25.30 | 25.45 | 27.00              | 24.80   | 24.72 | 24.79  | 26.50              |
| EDGE 3Tx Slot | 23.34  | 23.23 | 23.59 | 25.00              | 22.79   | 22.71 | 22.77  | 24.50              |
| EDGE 4Tx Slot | 22.36  | 22.20 | 22.15 | 24.00              | 21.52   | 21.62 | 21.56  | 23.00              |

| Source-Based Time-Averaged Power |        |       |       |                    |         |       |       |                    |
|----------------------------------|--------|-------|-------|--------------------|---------|-------|-------|--------------------|
| Band                             | GSM850 |       |       | Max. Tune-up Power | GSM1900 |       |       | Max. Tune-up Power |
| Channel                          | 128    | 189   | 251   |                    | 512     | 661   | 810   |                    |
| GSM                              | 23.34  | 23.32 | 23.38 | 25.00              | 20.34   | 20.29 | 20.26 | 22.00              |
| GPRS 1Tx Slot                    | 23.32  | 23.29 | 23.36 | 25.00              | 20.31   | 20.26 | 20.24 | 22.00              |
| GPRS 2Tx Slot                    | 25.53  | 25.54 | 25.67 | 26.50              | 22.57   | 22.34 | 22.45 | 24.00              |
| GPRS 3Tx Slot                    | 25.63  | 25.61 | 25.77 | 26.24              | 22.55   | 22.45 | 22.52 | 23.74              |
| GPRS 4Tx Slot                    | 25.69  | 25.84 | 25.87 | 26.50              | 22.56   | 22.40 | 22.59 | 24.00              |
| EDGE 1Tx Slot                    | 17.44  | 17.46 | 17.46 | 19.00              | 16.98   | 16.78 | 16.75 | 18.50              |
| EDGE 2Tx Slot                    | 19.35  | 19.30 | 19.45 | 21.00              | 18.80   | 18.72 | 18.79 | 20.50              |
| EDGE 3Tx Slot                    | 19.08  | 18.97 | 19.33 | 20.74              | 18.53   | 18.45 | 18.51 | 20.24              |
| EDGE 4Tx Slot                    | 19.36  | 19.20 | 19.15 | 21.00              | 18.52   | 18.62 | 18.56 | 20.00              |

| Band               | WCDMA V |       |       | WCDMA V<br>Max. Tune-up Power |
|--------------------|---------|-------|-------|-------------------------------|
| TX Channel         | 4132    | 4182  | 4233  |                               |
| Rx Channel         | 4357    | 4407  | 4458  |                               |
| Frequency          | 826.4   | 836.4 | 846.6 |                               |
| RMC 12.2K          | 24.03   | 24.03 | 24.14 | 25.50                         |
| HSDPA Subtest-1    | 23.02   | 23.10 | 23.12 | 24.50                         |
| HSDPA Subtest-2    | 23.07   | 23.13 | 23.17 | 24.50                         |
| HSDPA Subtest-3    | 21.99   | 22.15 | 22.09 | 23.50                         |
| HSDPA Subtest-4    | 22.01   | 22.16 | 22.11 | 23.50                         |
| DC-HSDPA Subtest-1 | 23.03   | 23.16 | 23.13 | 24.50                         |
| DC-HSDPA Subtest-2 | 22.98   | 23.10 | 23.08 | 24.50                         |
| DC-HSDPA Subtest-3 | 21.93   | 22.12 | 22.03 | 23.50                         |
| DC-HSDPA Subtest-4 | 21.92   | 22.07 | 22.02 | 23.50                         |
| HSUPA Subtest-1    | 21.43   | 21.44 | 21.53 | 22.50                         |
| HSUPA Subtest-2    | 21.24   | 21.40 | 21.34 | 22.50                         |
| HSUPA Subtest-3    | 22.23   | 22.40 | 22.33 | 23.50                         |
| HSUPA Subtest-4    | 20.78   | 20.87 | 20.88 | 22.00                         |
| HSUPA Subtest-5    | 22.18   | 22.32 | 22.28 | 23.50                         |

| LTE Band 5 |           |                 |           |       |       |       |               |                    |  |
|------------|-----------|-----------------|-----------|-------|-------|-------|---------------|--------------------|--|
| BW         | MCS Index | RB Size         | RB Offset | Low   | Mid   | High  | 3GPP MPR (dB) | Max. Tune-up (dBm) |  |
|            |           | Channel         |           | 20450 | 20525 | 20600 |               |                    |  |
|            |           | Frequency (MHz) |           | 829   | 836.5 | 844   |               |                    |  |
| 10M        | QPSK      | 1               | 0         | 23.91 | 23.95 | 24.09 | 0             | 25.5               |  |
|            |           | 1               | 24        | 24.01 | 24.13 | 24.23 | 0             | 25.5               |  |
|            |           | 1               | 49        | 24.00 | 24.04 | 24.22 | 0             | 25.5               |  |
|            |           | 25              | 0         | 22.97 | 23.06 | 23.17 | 1             | 24.5               |  |
|            |           | 25              | 12        | 23.05 | 23.12 | 23.29 | 1             | 24.5               |  |
|            |           | 25              | 25        | 23.03 | 23.14 | 23.25 | 1             | 24.5               |  |
|            |           | 50              | 0         | 23.06 | 23.05 | 23.25 | 1             | 24.5               |  |
|            | 16QAM     | 1               | 0         | 23.04 | 23.11 | 23.23 | 1             | 24.5               |  |
|            |           | 1               | 24        | 23.12 | 23.21 | 23.31 | 1             | 24.5               |  |
|            |           | 1               | 49        | 22.99 | 23.06 | 23.23 | 1             | 24.5               |  |
|            |           | 25              | 0         | 21.97 | 22.01 | 22.17 | 2             | 23.5               |  |
|            |           | 25              | 12        | 22.03 | 22.10 | 22.27 | 2             | 23.5               |  |
|            |           | 25              | 25        | 21.98 | 22.09 | 22.19 | 2             | 23.5               |  |
|            |           | 50              | 0         | 21.96 | 22.08 | 22.21 | 2             | 23.5               |  |
|            | 64QAM     | 1               | 0         | 22.11 | 22.15 | 22.26 | 2             | 23.5               |  |
|            |           | 1               | 24        | 22.13 | 22.25 | 22.38 | 2             | 23.5               |  |
|            |           | 1               | 49        | 22.09 | 22.13 | 22.24 | 2             | 23.5               |  |
|            |           | 25              | 0         | 21.01 | 21.10 | 21.23 | 3             | 22.5               |  |
|            |           | 25              | 12        | 21.07 | 21.19 | 21.32 | 3             | 22.5               |  |
|            |           | 25              | 25        | 21.08 | 21.12 | 21.23 | 3             | 22.5               |  |
|            |           | 50              | 0         | 21.05 | 21.14 | 21.27 | 3             | 22.5               |  |
| BW         | MCS Index | Channel         |           | 20425 | 20525 | 20625 | 3GPP MPR      | Max. Tune-up       |  |
|            |           | Frequency (MHz) |           | 826.5 | 836.5 | 846.5 |               |                    |  |
| 5M         | QPSK      | 1               | 0         | 23.85 | 23.88 | 24.02 | 0             | 25.5               |  |
|            |           | 1               | 12        | 23.91 | 24.10 | 24.16 | 0             | 25.5               |  |
|            |           | 1               | 24        | 23.94 | 23.97 | 24.19 | 0             | 25.5               |  |
|            |           | 12              | 0         | 22.89 | 23.02 | 23.10 | 1             | 24.5               |  |
|            |           | 12              | 6         | 22.96 | 23.05 | 23.25 | 1             | 24.5               |  |
|            |           | 12              | 13        | 22.93 | 23.10 | 23.18 | 1             | 24.5               |  |
|            |           | 25              | 0         | 23.02 | 22.95 | 23.21 | 1             | 24.5               |  |
|            | 16QAM     | 1               | 0         | 22.94 | 23.03 | 23.13 | 1             | 24.5               |  |
|            |           | 1               | 12        | 23.04 | 23.17 | 23.23 | 1             | 24.5               |  |
|            |           | 1               | 24        | 22.90 | 22.99 | 23.19 | 1             | 24.5               |  |
|            |           | 12              | 0         | 21.89 | 21.92 | 22.10 | 2             | 23.5               |  |
|            |           | 12              | 6         | 21.94 | 22.03 | 22.23 | 2             | 23.5               |  |
|            |           | 12              | 13        | 21.88 | 22.05 | 22.11 | 2             | 23.5               |  |
|            |           | 25              | 0         | 21.86 | 22.05 | 22.17 | 2             | 23.5               |  |
|            | 64QAM     | 1               | 0         | 22.05 | 22.08 | 22.16 | 2             | 23.5               |  |
|            |           | 1               | 12        | 22.03 | 22.22 | 22.34 | 2             | 23.5               |  |
|            |           | 1               | 24        | 22.03 | 22.06 | 22.14 | 2             | 23.5               |  |
|            |           | 12              | 0         | 20.93 | 21.06 | 21.18 | 3             | 22.5               |  |
|            |           | 12              | 6         | 20.97 | 21.16 | 21.28 | 3             | 22.5               |  |
|            |           | 12              | 13        | 21.02 | 21.05 | 21.13 | 3             | 22.5               |  |
|            |           | 25              | 0         | 20.97 | 21.10 | 21.22 | 3             | 22.5               |  |
| BW         | MCS Index | Channel         |           | 20415 | 20525 | 20635 | 3GPP MPR      | Max. Tune-up       |  |
|            |           | Frequency (MHz) |           | 825.5 | 836.5 | 847.5 |               |                    |  |
| 3M         | QPSK      | 1               | 0         | 23.83 | 23.86 | 24.02 | 0             | 25.5               |  |
|            |           | 1               | 7         | 23.92 | 24.06 | 24.19 | 0             | 25.5               |  |
|            |           | 1               | 14        | 23.90 | 24.00 | 24.14 | 0             | 25.5               |  |
|            |           | 8               | 0         | 22.87 | 23.03 | 23.13 | 1             | 24.5               |  |
|            |           | 8               | 3         | 22.99 | 23.05 | 23.19 | 1             | 24.5               |  |
|            |           | 8               | 7         | 22.93 | 23.11 | 23.21 | 1             | 24.5               |  |
|            |           | 15              | 0         | 22.99 | 22.98 | 23.19 | 1             | 24.5               |  |
|            | 16QAM     | 1               | 0         | 23.00 | 23.01 | 23.20 | 1             | 24.5               |  |
|            |           | 1               | 7         | 23.02 | 23.15 | 23.24 | 1             | 24.5               |  |
|            |           | 1               | 14        | 22.94 | 22.98 | 23.19 | 1             | 24.5               |  |
|            |           | 8               | 0         | 21.93 | 21.92 | 22.10 | 2             | 23.5               |  |
|            |           | 8               | 3         | 21.95 | 22.00 | 22.23 | 2             | 23.5               |  |
|            |           | 8               | 7         | 21.95 | 22.05 | 22.09 | 2             | 23.5               |  |
|            |           | 15              | 0         | 21.89 | 21.98 | 22.13 | 2             | 23.5               |  |
|            | 64QAM     | 1               | 0         | 22.08 | 22.07 | 22.22 | 2             | 23.5               |  |
|            |           | 1               | 7         | 22.06 | 22.21 | 22.29 | 2             | 23.5               |  |
|            |           | 1               | 14        | 22.05 | 22.03 | 22.21 | 2             | 23.5               |  |
|            |           | 8               | 0         | 20.91 | 21.04 | 21.16 | 3             | 22.5               |  |
|            |           | 8               | 3         | 21.03 | 21.09 | 21.29 | 3             | 22.5               |  |
|            |           | 8               | 7         | 20.98 | 21.06 | 21.16 | 3             | 22.5               |  |
|            |           | 15              | 0         | 21.01 | 21.04 | 21.24 | 3             | 22.5               |  |
| BW         | MCS Index | Channel         |           | 20407 | 20525 | 20643 | 3GPP MPR      | Max. Tune-up       |  |
|            |           | Frequency (MHz) |           | 824.7 | 836.5 | 848.3 |               |                    |  |
| 1.4M       | QPSK      | 1               | 0         | 23.88 | 23.87 | 24.05 | 0             | 25.5               |  |
|            |           | 1               | 2         | 23.94 | 24.04 | 24.16 | 0             | 25.5               |  |
|            |           | 1               | 5         | 23.96 | 23.94 | 24.18 | 0             | 25.5               |  |
|            |           | 3               | 0         | 23.90 | 23.96 | 24.14 | 0             | 25.5               |  |
|            |           | 3               | 1         | 23.99 | 24.05 | 24.22 | 0             | 25.5               |  |
|            |           | 3               | 3         | 23.93 | 24.11 | 24.18 | 0             | 25.5               |  |
|            |           | 6               | 0         | 23.00 | 22.98 | 23.22 | 1             | 24.5               |  |
|            | 16QAM     | 1               | 0         | 22.96 | 23.07 | 23.16 | 1             | 24.5               |  |
|            |           | 1               | 2         | 23.03 | 23.14 | 23.27 | 1             | 24.5               |  |
|            |           | 1               | 5         | 22.89 | 23.02 | 23.16 | 1             | 24.5               |  |
|            |           | 3               | 0         | 22.93 | 22.91 | 23.13 | 1             | 24.5               |  |
|            |           | 3               | 1         | 22.93 | 23.02 | 23.17 | 1             | 24.5               |  |
|            |           | 3               | 3         | 22.90 | 23.05 | 23.11 | 1             | 24.5               |  |
|            |           | 6               | 0         | 21.89 | 21.98 | 22.18 | 2             | 23.5               |  |
|            | 64QAM     | 1               | 0         | 22.05 | 22.08 | 22.19 | 2             | 23.5               |  |
|            |           | 1               | 2         | 22.03 | 22.21 | 22.31 | 2             | 23.5               |  |
|            |           | 1               | 5         | 22.05 | 22.03 | 22.20 | 2             | 23.5               |  |
|            |           | 3               | 0         | 21.91 | 22.02 | 22.13 | 2             | 23.5               |  |
|            |           | 3               | 1         | 21.99 | 22.15 | 22.24 | 2             | 23.5               |  |
|            |           | 3               | 3         | 22.01 | 22.02 | 22.20 | 2             | 23.5               |  |
|            |           | 6               | 0         | 20.99 | 21.07 | 21.20 | 3             | 22.5               |  |

| LTE Band 7 |           |                 |           |        |       |        |               |                    |  |
|------------|-----------|-----------------|-----------|--------|-------|--------|---------------|--------------------|--|
| BW         | MCS Index | RB Size         | RB Offset | Low    | Mid   | High   | 3GPP MPR (dB) | Max. Tune-up (dBm) |  |
|            |           | Channel         |           | 20850  | 21100 | 21350  |               |                    |  |
|            |           | Frequency (MHz) |           | 2510   | 2535  | 2560   |               |                    |  |
| 20M        | QPSK      | 1               | 0         | 23.98  | 23.94 | 23.99  | 0             | 25.5               |  |
|            |           | 1               | 50        | 24.11  | 24.07 | 24.10  | 0             | 25.5               |  |
|            |           | 1               | 99        | 23.98  | 24.02 | 23.97  | 0             | 25.5               |  |
|            |           | 50              | 0         | 23.14  | 23.06 | 23.09  | 1             | 24.5               |  |
|            |           | 50              | 25        | 23.19  | 23.14 | 23.21  | 1             | 24.5               |  |
|            |           | 50              | 50        | 23.21  | 23.12 | 23.20  | 1             | 24.5               |  |
|            |           | 100             | 0         | 23.10  | 23.11 | 23.11  | 1             | 24.5               |  |
|            | 16QAM     | 1               | 0         | 23.06  | 22.97 | 23.05  | 1             | 24.5               |  |
|            |           | 1               | 50        | 23.23  | 23.24 | 23.24  | 1             | 24.5               |  |
|            |           | 1               | 99        | 23.12  | 23.06 | 23.11  | 1             | 24.5               |  |
|            |           | 50              | 0         | 22.11  | 22.03 | 22.06  | 2             | 23.5               |  |
|            |           | 50              | 25        | 22.14  | 22.09 | 22.16  | 2             | 23.5               |  |
|            |           | 50              | 50        | 22.17  | 22.13 | 22.08  | 2             | 23.5               |  |
|            |           | 100             | 0         | 22.12  | 22.06 | 22.09  | 2             | 23.5               |  |
|            | 64QAM     | 1               | 0         | 22.14  | 22.06 | 22.11  | 2             | 23.5               |  |
|            |           | 1               | 50        | 22.30  | 22.22 | 22.25  | 2             | 23.5               |  |
|            |           | 1               | 99        | 22.01  | 21.96 | 22.03  | 2             | 23.5               |  |
|            |           | 50              | 0         | 21.11  | 21.07 | 21.02  | 3             | 22.5               |  |
|            |           | 50              | 25        | 21.14  | 21.10 | 21.13  | 3             | 22.5               |  |
|            |           | 50              | 50        | 21.14  | 21.12 | 21.10  | 3             | 22.5               |  |
|            |           | 100             | 0         | 21.12  | 21.03 | 21.11  | 3             | 22.5               |  |
| BW         | MCS Index | Channel         |           | 20825  | 21100 | 21375  | 3GPP MPR      | Max. Tune-up       |  |
|            |           | Frequency (MHz) |           | 2507.5 | 2535  | 2562.5 |               |                    |  |
| 15M        | QPSK      | 1               | 0         | 23.95  | 23.90 | 23.79  | 0             | 25.5               |  |
|            |           | 1               | 37        | 24.02  | 23.97 | 24.02  | 0             | 25.5               |  |
|            |           | 1               | 74        | 23.93  | 23.84 | 23.93  | 0             | 25.5               |  |
|            |           | 36              | 0         | 23.10  | 22.97 | 23.02  | 1             | 24.5               |  |
|            |           | 36              | 19        | 23.11  | 23.04 | 23.17  | 1             | 24.5               |  |
|            |           | 36              | 39        | 23.17  | 23.02 | 23.17  | 1             | 24.5               |  |
|            |           | 75              | 0         | 23.00  | 23.05 | 23.04  | 1             | 24.5               |  |
|            | 16QAM     | 1               | 0         | 23.02  | 22.87 | 23.02  | 1             | 24.5               |  |
|            |           | 1               | 37        | 23.13  | 23.18 | 23.17  | 1             | 24.5               |  |
|            |           | 1               | 74        | 23.07  | 22.98 | 23.07  | 1             | 24.5               |  |
|            |           | 36              | 0         | 22.07  | 21.94 | 21.99  | 2             | 23.5               |  |
|            |           | 36              | 19        | 22.06  | 21.99 | 22.12  | 2             | 23.5               |  |
|            |           | 36              | 39        | 22.14  | 22.09 | 21.98  | 2             | 23.5               |  |
|            |           | 75              | 0         | 22.05  | 21.96 | 22.01  | 2             | 23.5               |  |
|            | 64QAM     | 1               | 0         | 22.11  | 21.98 | 22.07  | 2             | 23.5               |  |
|            |           | 1               | 37        | 22.26  | 22.13 | 22.18  | 2             | 23.5               |  |
|            |           | 1               | 74        | 21.93  | 21.86 | 21.99  | 2             | 23.5               |  |
|            |           | 36              | 0         | 21.08  | 21.03 | 20.92  | 3             | 22.5               |  |
|            |           | 36              | 19        | 21.05  | 21.00 | 21.05  | 3             | 22.5               |  |
|            |           | 36              | 39        | 21.10  | 21.09 | 21.04  | 3             | 22.5               |  |
|            |           | 75              | 0         | 21.08  | 20.93 | 21.08  | 3             | 22.5               |  |
| BW         | MCS Index | Channel         |           | 20800  | 21100 | 21400  | 3GPP MPR      | Max. Tune-up       |  |
|            |           | Frequency (MHz) |           | 2505   | 2535  | 2565   |               |                    |  |
| 10M        | QPSK      | 1               | 0         | 23.90  | 23.84 | 23.85  | 0             | 25.5               |  |
|            |           | 1               | 24        | 24.07  | 23.97 | 24.07  | 0             | 25.5               |  |
|            |           | 1               | 49        | 23.88  | 23.86 | 23.90  | 0             | 25.5               |  |
|            |           | 25              | 0         | 23.10  | 22.96 | 23.06  | 1             | 24.5               |  |
|            |           | 25              | 12        | 23.09  | 23.08 | 23.14  | 1             | 24.5               |  |
|            |           | 25              | 25        | 23.16  | 23.04 | 23.16  | 1             | 24.5               |  |
|            |           | 50              | 0         | 23.06  | 23.02 | 23.04  | 1             | 24.5               |  |
|            | 16QAM     | 1               | 0         | 22.98  | 22.87 | 23.01  | 1             | 24.5               |  |
|            |           | 1               | 24        | 23.20  | 23.20 | 23.14  | 1             | 24.5               |  |
|            |           | 1               | 49        | 23.05  | 22.96 | 23.03  | 1             | 24.5               |  |
|            |           | 25              | 0         | 22.08  | 21.95 | 22.02  | 2             | 23.5               |  |
|            |           | 25              | 12        | 22.10  | 21.99 | 22.13  | 2             | 23.5               |  |
|            |           | 25              | 25        | 22.07  | 22.07 | 22.01  | 2             | 23.5               |  |
|            |           | 50              | 0         | 22.08  | 21.96 | 22.06  | 2             | 23.5               |  |
|            | 64QAM     | 1               | 0         | 22.04  | 22.00 | 22.04  | 2             | 23.5               |  |
|            |           | 1               | 24        | 22.25  | 22.14 | 22.21  | 2             | 23.5               |  |
|            |           | 1               | 49        | 21.97  | 21.87 | 21.96  | 2             | 23.5               |  |
|            |           | 25              | 0         | 21.03  | 20.97 | 20.98  | 3             | 22.5               |  |
|            |           | 25              | 12        | 21.11  | 21.06 | 21.03  | 3             | 22.5               |  |
|            |           | 25              | 25        | 21.07  | 21.02 | 21.02  | 3             | 22.5               |  |
|            |           | 50              | 0         | 21.09  | 20.95 | 21.07  | 3             | 22.5               |  |
| BW         | MCS Index | Channel         |           | 20775  | 21100 | 21425  | 3GPP MPR      | Max. Tune-up       |  |
|            |           | Frequency (MHz) |           | 2502.5 | 2535  | 2567.5 |               |                    |  |
| 5M         | QPSK      | 1               | 0         | 23.92  | 23.87 | 23.82  | 0             | 25.5               |  |
|            |           | 1               | 12        | 24.01  | 24.04 | 24.03  | 0             | 25.5               |  |
|            |           | 1               | 24        | 23.92  | 23.85 | 23.94  | 0             | 25.5               |  |
|            |           | 12              | 0         | 23.06  | 23.02 | 23.02  | 1             | 24.5               |  |
|            |           | 12              | 6         | 23.10  | 23.07 | 23.17  | 1             | 24.5               |  |
|            |           | 12              | 13        | 23.11  | 23.08 | 23.13  | 1             | 24.5               |  |
|            |           | 25              | 0         | 23.06  | 23.01 | 23.07  | 1             | 24.5               |  |
|            | 16QAM     | 1               | 0         | 22.96  | 22.89 | 22.95  | 1             | 24.5               |  |
|            |           | 1               | 12        | 23.15  | 23.20 | 23.16  | 1             | 24.5               |  |
|            |           | 1               | 24        | 23.03  | 22.99 | 23.07  | 1             | 24.5               |  |
|            |           | 12              | 0         | 22.03  | 21.94 | 21.99  | 2             | 23.5               |  |
|            |           | 12              | 6         | 22.05  | 22.02 | 22.12  | 2             | 23.5               |  |
|            |           | 12              | 13        | 22.07  | 22.09 | 22.00  | 2             | 23.5               |  |
|            |           | 25              | 0         | 22.02  | 22.03 | 22.05  | 2             | 23.5               |  |
|            | 64QAM     | 1               | 0         | 22.08  | 21.99 | 22.01  | 2             | 23.5               |  |
|            |           | 1               | 12        | 22.20  | 22.19 | 22.21  | 2             | 23.5               |  |
|            |           | 1               | 24        | 21.95  | 21.89 | 21.93  | 2             | 23.5               |  |
|            |           | 12              | 0         | 21.03  | 21.03 | 20.97  | 3             | 22.5               |  |
|            |           | 12              | 6         | 21.04  | 21.07 | 21.09  | 3             | 22.5               |  |
|            |           | 12              | 13        | 21.08  | 21.05 | 21.00  | 3             | 22.5               |  |
|            |           | 25              | 0         | 21.04  | 20.99 | 21.06  | 3             | 22.5               |  |

| LTE Band 38 |           |                 |           |        |       |        |               |                    |
|-------------|-----------|-----------------|-----------|--------|-------|--------|---------------|--------------------|
| BW          | MCS Index | RB Size         | RB Offset | Low    | Mid   | High   | 3GPP MPR (dB) | Max. Tune-up (dBm) |
|             |           | Channel         |           | 37850  | 38000 | 38150  |               |                    |
|             |           | Frequency (MHz) |           | 2590   | 2595  | 2610   |               |                    |
| 20M         | QPSK      | 1               | 0         | 24.02  | 24.01 | 24.04  | 0             | 25.5               |
|             |           | 1               | 50        | 24.12  | 24.11 | 24.16  | 0             | 25.5               |
|             |           | 1               | 99        | 24.01  | 24.03 | 24.12  | 0             | 25.5               |
|             |           | 50              | 0         | 22.95  | 22.98 | 22.95  | 1             | 24.5               |
|             |           | 50              | 25        | 22.86  | 22.89 | 22.94  | 1             | 24.5               |
|             |           | 50              | 50        | 22.92  | 22.93 | 23.00  | 1             | 24.5               |
|             |           | 100             | 0         | 22.98  | 22.97 | 23.02  | 1             | 24.5               |
|             |           | 1               | 0         | 22.53  | 22.55 | 22.64  | 1             | 24.5               |
|             |           | 1               | 50        | 22.86  | 22.84 | 22.94  | 1             | 24.5               |
|             |           | 1               | 99        | 22.69  | 22.77 | 22.79  | 1             | 24.5               |
|             | 16QAM     | 50              | 0         | 21.96  | 21.94 | 22.04  | 2             | 23.5               |
|             |           | 50              | 25        | 21.97  | 22.05 | 22.07  | 2             | 23.5               |
|             |           | 50              | 50        | 21.98  | 21.99 | 22.06  | 2             | 23.5               |
|             |           | 100             | 0         | 22.08  | 22.07 | 22.12  | 2             | 23.5               |
|             |           | 1               | 0         | 21.72  | 21.74 | 21.83  | 2             | 23.5               |
|             |           | 1               | 50        | 21.93  | 21.96 | 21.93  | 2             | 23.5               |
|             | 64QAM     | 1               | 99        | 21.72  | 21.73 | 21.78  | 2             | 23.5               |
|             |           | 50              | 0         | 20.98  | 20.97 | 21.04  | 3             | 22.5               |
|             |           | 50              | 25        | 21.06  | 21.09 | 21.06  | 3             | 22.5               |
|             |           | 50              | 50        | 21.02  | 21.05 | 21.02  | 3             | 22.5               |
|             |           | 100             | 0         | 20.99  | 20.98 | 21.03  | 3             | 22.5               |
|             |           | 100             | 0         | 20.99  | 20.98 | 21.03  | 3             | 22.5               |
| 15M         | QPSK      | Channel         |           | 37925  | 38000 | 38175  | 3GPP MPR      | Max. Tune-up       |
|             |           | Frequency (MHz) |           | 2577.5 | 2595  | 2612.5 |               |                    |
|             |           | 1               | 0         | 23.85  | 23.83 | 23.94  | 0             | 25.5               |
|             |           | 1               | 37        | 24.08  | 24.02 | 24.09  | 0             | 25.5               |
|             |           | 1               | 74        | 23.93  | 23.93 | 24.08  | 0             | 25.5               |
|             |           | 36              | 0         | 22.92  | 22.94 | 22.85  | 1             | 24.5               |
|             |           | 36              | 19        | 22.77  | 22.79 | 22.86  | 1             | 24.5               |
|             |           | 36              | 39        | 22.87  | 22.85 | 22.96  | 1             | 24.5               |
|             |           | 75              | 0         | 22.94  | 22.88 | 22.95  | 1             | 24.5               |
|             | 16QAM     | 1               | 0         | 22.45  | 22.45 | 22.60  | 1             | 24.5               |
|             |           | 1               | 37        | 22.82  | 22.74 | 22.91  | 1             | 24.5               |
|             |           | 1               | 74        | 22.59  | 22.71 | 22.72  | 1             | 24.5               |
|             |           | 36              | 0         | 21.92  | 21.84 | 22.01  | 2             | 23.5               |
|             |           | 36              | 19        | 21.87  | 21.99 | 22.00  | 2             | 23.5               |
|             |           | 36              | 39        | 21.93  | 21.91 | 22.02  | 2             | 23.5               |
|             | 64QAM     | 75              | 0         | 22.04  | 21.98 | 22.05  | 2             | 23.5               |
|             |           | 1               | 0         | 21.64  | 21.64 | 21.79  | 2             | 23.5               |
|             |           | 1               | 37        | 21.90  | 21.92 | 21.83  | 2             | 23.5               |
|             |           | 1               | 74        | 21.65  | 21.63 | 21.70  | 2             | 23.5               |
|             |           | 36              | 0         | 20.95  | 20.89 | 21.00  | 3             | 22.5               |
|             |           | 36              | 19        | 21.03  | 21.05 | 20.96  | 3             | 22.5               |
| 10M         | QPSK      | 36              | 39        | 20.99  | 21.01 | 20.92  | 3             | 22.5               |
|             |           | 75              | 0         | 20.95  | 20.89 | 20.96  | 3             | 22.5               |
|             |           | Channel         |           | 37900  | 38000 | 38200  | 3GPP MPR      | Max. Tune-up       |
|             |           | Frequency (MHz) |           | 2575   | 2595  | 2615   |               |                    |
|             |           | 1               | 0         | 23.84  | 23.84 | 23.95  | 0             | 25.5               |
|             |           | 1               | 24        | 24.04  | 24.07 | 24.09  | 0             | 25.5               |
|             |           | 1               | 49        | 23.92  | 23.96 | 24.08  | 0             | 25.5               |
|             |           | 25              | 0         | 22.85  | 22.94 | 22.88  | 1             | 24.5               |
|             |           | 25              | 12        | 22.82  | 22.79 | 22.90  | 1             | 24.5               |
|             |           | 25              | 25        | 22.82  | 22.85 | 22.90  | 1             | 24.5               |
|             | 16QAM     | 50              | 0         | 22.90  | 22.93 | 22.94  | 1             | 24.5               |
|             |           | 1               | 0         | 22.44  | 22.48 | 22.60  | 1             | 24.5               |
|             |           | 1               | 24        | 22.78  | 22.75 | 22.87  | 1             | 24.5               |
|             |           | 1               | 49        | 22.60  | 22.70 | 22.75  | 1             | 24.5               |
|             |           | 25              | 0         | 21.86  | 21.90 | 21.96  | 2             | 23.5               |
|             |           | 25              | 12        | 21.87  | 22.02 | 22.03  | 2             | 23.5               |
|             | 64QAM     | 25              | 25        | 21.92  | 21.92 | 21.96  | 2             | 23.5               |
|             |           | 50              | 0         | 21.98  | 22.04 | 22.08  | 2             | 23.5               |
|             |           | 1               | 0         | 21.66  | 21.67 | 21.73  | 2             | 23.5               |
|             |           | 1               | 24        | 21.85  | 21.92 | 21.88  | 2             | 23.5               |
|             |           | 1               | 49        | 21.62  | 21.70 | 21.74  | 2             | 23.5               |
|             |           | 25              | 0         | 20.89  | 20.90 | 21.00  | 3             | 22.5               |
| 5M          | QPSK      | 25              | 12        | 20.96  | 21.05 | 20.99  | 3             | 22.5               |
|             |           | 25              | 25        | 20.98  | 20.95 | 20.98  | 3             | 22.5               |
|             |           | 50              | 0         | 20.91  | 20.94 | 20.98  | 3             | 22.5               |
|             |           | Channel         |           | 37775  | 38000 | 38225  | 3GPP MPR      | Max. Tune-up       |
|             |           | Frequency (MHz) |           | 2572.5 | 2595  | 2617.5 |               |                    |
|             |           | 1               | 0         | 23.83  | 23.81 | 23.95  | 0             | 25.5               |
|             |           | 1               | 12        | 24.06  | 24.04 | 24.09  | 0             | 25.5               |
|             |           | 1               | 24        | 23.91  | 24.00 | 24.05  | 0             | 25.5               |
|             |           | 12              | 0         | 22.89  | 22.91 | 22.92  | 1             | 24.5               |
|             |           | 12              | 6         | 22.78  | 22.85 | 22.87  | 1             | 24.5               |
|             | 16QAM     | 12              | 13        | 22.83  | 22.86 | 22.96  | 1             | 24.5               |
|             |           | 25              | 0         | 22.88  | 22.93 | 22.95  | 1             | 24.5               |
|             |           | 1               | 0         | 22.49  | 22.45 | 22.60  | 1             | 24.5               |
|             |           | 1               | 12        | 22.76  | 22.76 | 22.84  | 1             | 24.5               |
|             |           | 1               | 24        | 22.61  | 22.73 | 22.71  | 1             | 24.5               |
|             |           | 12              | 0         | 21.87  | 21.87 | 22.00  | 2             | 23.5               |
|             | 64QAM     | 12              | 6         | 21.89  | 21.96 | 22.00  | 2             | 23.5               |
|             |           | 12              | 13        | 21.89  | 21.92 | 22.02  | 2             | 23.5               |
|             |           | 25              | 0         | 21.98  | 22.03 | 22.04  | 2             | 23.5               |
|             |           | 1               | 0         | 21.62  | 21.71 | 21.79  | 2             | 23.5               |
|             |           | 1               | 12        | 21.87  | 21.89 | 21.83  | 2             | 23.5               |
|             |           | 1               | 24        | 21.62  | 21.70 | 21.74  | 2             | 23.5               |
| 20M         | QPSK      | 12              | 0         | 20.92  | 20.90 | 20.94  | 3             | 22.5               |
|             |           | 12              | 6         | 20.98  | 21.05 | 21.01  | 3             | 22.5               |
|             |           | 12              | 13        | 20.92  | 21.02 | 20.98  | 3             | 22.5               |
|             |           | 25              | 0         | 20.90  | 20.91 | 20.99  | 3             | 22.5               |
|             |           | Channel         |           | 37925  | 38000 | 38175  | 3GPP MPR      | Max. Tune-up       |
|             |           | Frequency (MHz) |           | 2577.5 | 2595  | 2612.5 |               |                    |
|             |           | 1               | 0         | 23.85  | 23.83 | 23.94  | 0             | 25.5               |
|             |           | 1               | 37        | 24.08  | 24.02 | 24.09  | 0             | 25.5               |
|             |           | 1               | 74        | 23.93  | 23.93 | 24.08  | 0             | 25.5               |
|             |           | 36              | 0         | 22.92  | 22.94 | 22.85  | 1             | 24.5               |
|             | 16QAM     | 36              | 19        | 22.77  | 22.79 | 22.86  | 1             | 24.5               |
|             |           | 36              | 39        | 22.87  | 22.85 | 22.96  | 1             | 24.5               |
|             |           | 75              | 0         | 22.94  | 22.88 | 22.95  | 1             | 24.5               |
|             |           | 1               | 0         | 22.45  | 22.45 | 22.60  | 1             | 24.5               |
|             |           | 1               | 37        | 22.82  | 22.74 | 22.91  | 1             | 24.5               |
|             |           | 1               | 74        | 22.59  | 22.71 | 22.72  | 1             | 24.5               |
|             | 64QAM     | 36              | 0         | 21.92  | 21.84 | 22.01  | 2             | 23.5               |
|             |           | 36              | 19        | 21.87  | 21.99 | 22.00  | 2             | 23.5               |
|             |           | 36              | 39        | 21.93  | 21.91 | 22.02  | 2             | 23.5               |
|             |           | 75              | 0         | 22.04  | 21.98 | 22.05  | 2             | 23.5               |
|             |           | 1               | 0         | 21.64  | 21.64 | 21.79  | 2             | 23.5               |
|             |           | 1               | 37        | 21.90  | 21.92 | 21.83  | 2             | 23.5               |
| 15M         | QPSK      | 1               | 74        | 21.65  | 21.63 | 21.70  | 2             | 23.5               |
|             |           | 36              | 0         | 20.95  | 20.89 | 21.00  | 3             | 22.5               |
|             |           | 36              | 19        | 21.03  | 21.05 | 20.96  | 3             | 22.5               |
|             |           | 36              | 39        | 20.99  | 21.01 | 20.92  | 3             | 22.5               |
|             |           | 75              | 0         | 20.95  | 20.89 | 20.96  | 3             | 22.5               |
|             |           | Channel         |           | 37900  | 38000 | 38200  | 3GPP MPR      | Max. Tune-up       |
|             |           | Frequency (MHz) |           | 2575   | 2595  | 2615   |               |                    |
|             |           | 1               | 0         | 23.84  | 23.84 | 23.95  | 0             | 25.5               |
|             |           | 1               | 24        | 24.04  | 24.07 | 24.09  | 0             | 25.5               |
|             |           | 1               | 49        | 23.92  | 23.96 | 24.08  | 0             | 25.5               |
|             | 16QAM     | 25              | 0         | 22.85  | 22.94 | 22.88  | 1             | 24.5               |
|             |           | 25              | 12        | 22.82  | 22.79 | 22.90  | 1             | 24.5               |
|             |           | 25              | 25        | 22.82  | 22.85 | 22.90  | 1             | 24.5               |
|             |           | 50              | 0         | 22.90  | 22.93 | 22.94  | 1             | 24.5               |
|             |           | 1               | 0         | 22.44  | 22.48 | 22.60  | 1             | 24.5               |
|             |           | 1               | 24        | 22.78  | 22.75 | 22.87  | 1             | 24.5               |
| 10M         | 16QAM     | 1               | 49        | 22.60  | 22.70 | 22.75  | 1             | 24.5               |
|             |           | 25              | 0         | 21.86  | 21.90 | 21.96  | 2             | 23.5               |
|             |           | 25              | 12        | 21.87  | 22.02 | 22.03  | 2             | 23.5               |
|             |           | 25              | 25        | 21.92  | 21.92 | 21.96  | 2             | 23.5               |
|             |           | 50              | 0         | 21.98  | 22.04 | 22.08  | 2             | 23.5               |
|             |           | 1               | 0         | 21.66  | 21.67 | 21.73  | 2             | 23.5               |
|             | 64QAM     | 1               | 24        | 21.85  | 21.92 | 21.88  | 2             | 23.5               |
|             |           | 1               | 49        | 21.62  | 21.70 | 21.74  | 2             | 23.5               |
|             |           | 25              | 0         | 20.89  | 20.90 | 21.00  | 3             | 22.5               |
|             |           | 25              | 12        | 20.96  | 21.05 | 20.99  | 3             | 22.5               |
|             |           | 25              | 25        | 20.98  | 20.95 | 20.98  | 3             | 22.5               |
|             |           | 50              | 0         | 20.91  | 20.94 | 20.98  | 3             | 22.5               |
| 5M          | QPSK      | Channel         |           | 37775  | 38000 | 38225  | 3GPP MPR      | Max. Tune-up       |
|             |           | Frequency (MHz) |           | 2572.5 | 2595  | 2617.5 |               |                    |
|             |           | 1               | 0         | 23.83  | 23.81 | 23.95  | 0             | 25.5               |
|             |           | 1               | 12        | 24.06  | 24.04 | 24.09  | 0             | 25.5               |
|             |           | 1               | 24        | 23.91  | 24.00 | 24.05  | 0             |                    |

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| CA_7C                                 |             |            |         |           |         |           |               |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |               |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Measured Power (dBm) | Tune up limit (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |               |                      |                     |
| 20850                                 | 21048       | QPSK       | 1       | 50        | 0       | 0         | 1             | 24.00                | 25.50               |
|                                       |             | 16QAM      | 1       | 50        | 0       | 0         | 1             | 22.98                | 24.50               |
|                                       |             | 64QAM      | 1       | 50        | 0       | 0         | 1             | 21.89                | 23.50               |
| 21001                                 | 21199       | QPSK       | 1       | 50        | 0       | 0         | 1             | 23.82                | 25.50               |
|                                       |             | 16QAM      | 1       | 50        | 0       | 0         | 1             | 22.98                | 24.50               |
|                                       |             | 64QAM      | 1       | 50        | 0       | 0         | 1             | 21.87                | 23.50               |
| 21152                                 | 21350       | QPSK       | 1       | 50        | 0       | 0         | 1             | 23.87                | 25.50               |
|                                       |             | 16QAM      | 1       | 50        | 0       | 0         | 1             | 22.71                | 24.50               |
|                                       |             | 64QAM      | 1       | 50        | 0       | 0         | 1             | 21.64                | 23.50               |

| CA_38C                                |             |            |         |           |         |           |               |                      |                      |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|----------------------|----------------------|
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |               |                      |                      |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Measured Power (dBm) | Measured Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |               |                      |                      |
| 37850                                 | 38048       | QPSK       | 1       | 50        | 0       | 0         | 1             | 23.93                | 25.50                |
|                                       |             | 16QAM      | 1       | 50        | 0       | 0         | 1             | 22.87                | 24.50                |
|                                       |             | 64QAM      | 1       | 50        | 0       | 0         | 1             | 21.95                | 23.50                |
| 37901                                 | 38099       | QPSK       | 1       | 50        | 0       | 0         | 1             | 23.98                | 25.50                |
|                                       |             | 16QAM      | 1       | 50        | 0       | 0         | 1             | 22.83                | 24.50                |
|                                       |             | 64QAM      | 1       | 50        | 0       | 0         | 1             | 21.90                | 23.50                |
| 37952                                 | 38150       | QPSK       | 1       | 50        | 0       | 0         | 1             | 24.07                | 25.50                |
|                                       |             | 16QAM      | 1       | 50        | 0       | 0         | 1             | 23.17                | 24.50                |
|                                       |             | 64QAM      | 1       | 50        | 0       | 0         | 1             | 22.13                | 23.50                |

DL CA

| DL CA List | PCC     |       |       |         |      |     |        | SCC     |       |        |         | Power     |            |
|------------|---------|-------|-------|---------|------|-----|--------|---------|-------|--------|---------|-----------|------------|
|            | LTE     | BW    | UL    | UL      | Mod. | UL# | UL     | LTE     | BW    | DL     | DL      | With CA   | Without CA |
|            | Band    | (MHz) | Freq. | Channel |      | RB  | RB     | Band    | (MHz) | Freq.  | Channel | Tx. Power | Tx. Power  |
|            |         |       | (MHz) |         |      |     | Offset |         |       | (MHz)  |         | (dBm)     | (dBm)      |
| CA_5A-7A   | Band 5  | 10M   | 844   | 20600   | QPSK | 1   | 24     | Band 7  | 20M   | 2655   | 3100    | 24.05     | 24.23      |
|            | Band 7  | 20M   | 2510  | 20850   | QPSK | 1   | 50     | Band 5  | 10M   | 881.5  | 2525    | 24.07     | 24.11      |
| CA_5A-41A  | Band 5  | 10M   | 844   | 20600   | QPSK | 2   | 24     | Band 41 | 20M   | 2593   | 40620   | 24.15     | 24.23      |
|            | Band 41 | 20M   | 2506  | 39750   | QPSK | 1   | 50     | Band 5  | 10M   | 881.5  | 2525    | 24.08     | 24.19      |
|            |         |       |       |         |      |     |        |         |       |        |         |           |            |
| CA_7C      | Band 7  | 20M   | 2510  | 20850   | QPSK | 1   | 50     | Band 7  | 20M   | 2649.8 | 3048    | 24.05     | 24.11      |
| CA_38C     | Band 38 | 20M   | 2610  | 38150   | QPSK | 1   | 50     | Band 38 | 20M   | 2590.2 | 37952   | 23.59     | 24.16      |
| CA_41C     | Band 41 | 20M   | 2506  | 39750   | QPSK | 1   | 50     | Band 41 | 20M   | 2525.8 | 39948   | 23.95     | 24.19      |
| CA_7A-7A   | Band 7  | 20M   | 2510  | 20850   | QPSK | 1   | 50     | Band 7  | 5M    | 2687.5 | 3425    | 24.14     | 24.11      |
| CA_41A-41A | Band 41 | 20M   | 2506  | 39750   | QPSK | 1   | 50     | Band 41 | 5M    | 2687.5 | 41565   | 24.06     | 24.19      |

WWAN Full Power\_Ant4

| Band          | GSM850 |       |       |                    | GSM1900 |       |        |                    |
|---------------|--------|-------|-------|--------------------|---------|-------|--------|--------------------|
| Channel       | 128    | 189   | 251   | Max. Tune-up Power | 512     | 661   | 810    | Max. Tune-up Power |
| Frequency     | 824.2  | 836.4 | 848.8 |                    | 1850.2  | 1880  | 1909.8 |                    |
| GSM           | 32.37  | 32.46 | 32.61 | 34.00              | 29.57   | 29.52 | 29.56  | 31.00              |
| GPRS 1Tx Slot | 32.34  | 32.45 | 32.59 | 34.00              | 29.55   | 29.48 | 29.54  | 31.00              |
| GPRS 2Tx Slot | 31.63  | 31.74 | 31.92 | 32.50              | 28.87   | 28.77 | 28.86  | 30.00              |
| GPRS 3Tx Slot | 29.92  | 30.07 | 30.28 | 30.50              | 27.07   | 26.84 | 27.01  | 28.00              |
| GPRS 4Tx Slot | 28.83  | 29.03 | 29.26 | 29.50              | 25.93   | 25.73 | 25.92  | 27.00              |
| EDGE 1Tx Slot | 26.75  | 26.88 | 27.09 | 28.00              | 26.06   | 25.89 | 25.91  | 27.50              |
| EDGE 2Tx Slot | 25.73  | 25.75 | 26.18 | 27.00              | 25.15   | 24.92 | 24.98  | 26.50              |
| EDGE 3Tx Slot | 23.42  | 23.58 | 24.28 | 25.00              | 23.08   | 22.82 | 23.03  | 24.50              |
| EDGE 4Tx Slot | 22.38  | 22.50 | 22.97 | 24.00              | 21.99   | 21.60 | 21.89  | 23.00              |

| Source-Based Time-Averaged Power |        |       |       |                    |         |       |       |                    |
|----------------------------------|--------|-------|-------|--------------------|---------|-------|-------|--------------------|
| Band                             | GSM850 |       |       | Max. Tune-up Power | GSM1900 |       |       | Max. Tune-up Power |
| Channel                          | 128    | 189   | 251   |                    | 512     | 661   | 810   |                    |
| GSM                              | 23.37  | 23.46 | 23.61 | 25.00              | 20.57   | 20.52 | 20.56 | 22.00              |
| GPRS 1Tx Slot                    | 23.34  | 23.45 | 23.59 | 25.00              | 20.55   | 20.48 | 20.54 | 22.00              |
| GPRS 2Tx Slot                    | 25.63  | 25.74 | 25.92 | 26.50              | 22.87   | 22.77 | 22.86 | 24.00              |
| GPRS 3Tx Slot                    | 25.66  | 25.81 | 26.02 | 26.24              | 22.81   | 22.58 | 22.75 | 23.74              |
| GPRS 4Tx Slot                    | 25.83  | 26.03 | 26.26 | 26.50              | 22.93   | 22.73 | 22.92 | 24.00              |
| EDGE 1Tx Slot                    | 17.75  | 17.88 | 18.09 | 19.00              | 17.06   | 16.89 | 16.91 | 18.50              |
| EDGE 2Tx Slot                    | 19.73  | 19.75 | 20.18 | 21.00              | 19.15   | 18.92 | 18.98 | 20.50              |
| EDGE 3Tx Slot                    | 19.16  | 19.32 | 20.02 | 20.74              | 18.82   | 18.56 | 18.77 | 20.24              |
| EDGE 4Tx Slot                    | 19.38  | 19.50 | 19.97 | 21.00              | 18.99   | 18.60 | 18.89 | 20.00              |

| Band               | WCDMA V |       |       | WCDMA V<br>Max. Tune-up Power |
|--------------------|---------|-------|-------|-------------------------------|
| TX Channel         | 4132    | 4182  | 4233  |                               |
| Rx Channel         | 4357    | 4407  | 4458  |                               |
| Frequency          | 826.4   | 836.4 | 846.6 |                               |
| RMC 12.2K          | 24.27   | 24.30 | 24.35 | 25.50                         |
| HSDPA Subtest-1    | 23.25   | 23.32 | 23.36 | 24.50                         |
| HSDPA Subtest-2    | 23.28   | 23.28 | 23.37 | 24.50                         |
| HSDPA Subtest-3    | 22.27   | 22.27 | 22.36 | 23.50                         |
| HSDPA Subtest-4    | 22.26   | 22.24 | 22.33 | 23.50                         |
| DC-HSDPA Subtest-1 | 23.29   | 23.31 | 23.30 | 24.50                         |
| DC-HSDPA Subtest-2 | 23.20   | 23.22 | 23.29 | 24.50                         |
| DC-HSDPA Subtest-3 | 22.16   | 22.17 | 22.29 | 23.50                         |
| DC-HSDPA Subtest-4 | 22.12   | 22.18 | 22.27 | 23.50                         |
| HSUPA Subtest-1    | 21.50   | 21.54 | 21.66 | 22.50                         |
| HSUPA Subtest-2    | 21.37   | 21.45 | 21.54 | 22.50                         |
| HSUPA Subtest-3    | 22.20   | 22.16 | 22.31 | 23.50                         |
| HSUPA Subtest-4    | 20.83   | 20.87 | 21.00 | 22.00                         |
| HSUPA Subtest-5    | 22.13   | 22.19 | 22.28 | 23.50                         |

| LTE Band 5 |           |                 |           |       |       |       |               |                    |  |
|------------|-----------|-----------------|-----------|-------|-------|-------|---------------|--------------------|--|
| BW         | MCS Index | RB Size         | RB Offset | Low   | Mid   | High  | 3GPP MPR (dB) | Max. Tune-up (dBm) |  |
|            |           | Channel         |           | 20450 | 20525 | 20600 |               |                    |  |
|            |           | Frequency (MHz) |           | 829   | 836.5 | 844   |               |                    |  |
| 10M        | QPSK      | 1               | 0         | 24.09 | 24.08 | 24.11 | 0             | 25.5               |  |
|            |           | 1               | 24        | 24.23 | 24.30 | 24.29 | 0             | 25.5               |  |
|            |           | 1               | 49        | 24.20 | 24.19 | 24.26 | 0             | 25.5               |  |
|            |           | 25              | 0         | 23.19 | 23.23 | 23.23 | 1             | 24.5               |  |
|            |           | 25              | 12        | 23.24 | 23.26 | 23.32 | 1             | 24.5               |  |
|            |           | 25              | 25        | 23.26 | 23.32 | 23.32 | 1             | 24.5               |  |
|            |           | 50              | 0         | 23.23 | 23.17 | 23.26 | 1             | 24.5               |  |
|            |           | 1               | 0         | 23.23 | 23.25 | 23.26 | 1             | 24.5               |  |
|            | 16QAM     | 1               | 24        | 23.33 | 23.37 | 23.36 | 1             | 24.5               |  |
|            |           | 1               | 49        | 23.24 | 23.26 | 23.32 | 1             | 24.5               |  |
|            |           | 25              | 0         | 22.18 | 22.17 | 22.22 | 2             | 23.5               |  |
|            |           | 25              | 12        | 22.22 | 22.24 | 22.30 | 2             | 23.5               |  |
|            |           | 25              | 25        | 22.17 | 22.23 | 22.22 | 2             | 23.5               |  |
|            |           | 50              | 0         | 22.16 | 22.23 | 22.25 | 2             | 23.5               |  |
|            |           | 1               | 0         | 22.28 | 22.27 | 22.27 | 2             | 23.5               |  |
|            |           | 1               | 24        | 22.32 | 22.39 | 22.41 | 2             | 23.5               |  |
|            | 64QAM     | 1               | 49        | 22.26 | 22.25 | 22.25 | 2             | 23.5               |  |
|            |           | 25              | 0         | 21.24 | 21.28 | 21.30 | 3             | 22.5               |  |
|            |           | 25              | 12        | 21.27 | 21.34 | 21.36 | 3             | 22.5               |  |
|            |           | 25              | 25        | 21.28 | 21.27 | 21.27 | 3             | 22.5               |  |
|            |           | 50              | 0         | 21.27 | 21.31 | 21.33 | 3             | 22.5               |  |
| 5M         | QPSK      | Channel         |           | 20425 | 20525 | 20625 | 3GPP MPR      | Max. Tune-up       |  |
|            |           | Frequency (MHz) |           | 826.5 | 836.5 | 846.5 |               |                    |  |
|            |           | 1               | 0         | 24.03 | 24.02 | 24.05 |               |                    |  |
|            |           | 1               | 12        | 24.13 | 24.19 | 24.18 |               |                    |  |
|            |           | 1               | 24        | 24.06 | 24.12 | 24.15 |               |                    |  |
|            |           | 12              | 0         | 23.09 | 23.12 | 23.16 |               |                    |  |
|            |           | 12              | 6         | 23.12 | 23.18 | 23.21 |               |                    |  |
|            |           | 12              | 13        | 23.13 | 23.21 | 23.24 |               |                    |  |
|            | 16QAM     | 25              | 0         | 23.09 | 23.09 | 23.15 |               |                    |  |
|            |           | 1               | 0         | 23.15 | 23.11 | 23.18 |               |                    |  |
|            |           | 1               | 12        | 23.19 | 23.25 | 23.22 |               |                    |  |
|            |           | 1               | 24        | 23.12 | 23.18 | 23.20 |               |                    |  |
|            |           | 12              | 0         | 22.05 | 22.06 | 22.14 |               |                    |  |
|            |           | 12              | 6         | 22.10 | 22.11 | 22.19 |               |                    |  |
|            |           | 12              | 13        | 22.04 | 22.12 | 22.14 |               |                    |  |
|            |           | 25              | 0         | 22.02 | 22.15 | 22.13 |               |                    |  |
|            | 64QAM     | 1               | 0         | 22.14 | 22.20 | 22.19 |               |                    |  |
|            |           | 1               | 12        | 22.22 | 22.28 | 22.27 |               |                    |  |
|            |           | 1               | 24        | 22.12 | 22.18 | 22.17 |               |                    |  |
|            |           | 12              | 0         | 21.14 | 21.17 | 21.16 |               |                    |  |
|            |           | 12              | 6         | 21.15 | 21.26 | 21.27 |               |                    |  |
|            |           | 12              | 13        | 21.14 | 21.20 | 21.19 |               |                    |  |
|            |           | 25              | 0         | 21.17 | 21.20 | 21.19 |               |                    |  |
| 3M         | QPSK      | Channel         |           | 20415 | 20525 | 20635 | 3GPP MPR      | Max. Tune-up       |  |
|            |           | Frequency (MHz) |           | 825.5 | 836.5 | 847.5 |               |                    |  |
|            |           | 1               | 0         | 23.97 | 23.95 | 24.00 |               |                    |  |
|            |           | 1               | 7         | 24.10 | 24.19 | 24.21 |               |                    |  |
|            |           | 1               | 14        | 24.06 | 24.11 | 24.14 |               |                    |  |
|            |           | 8               | 0         | 23.05 | 23.16 | 23.15 |               |                    |  |
|            |           | 8               | 3         | 23.14 | 23.15 | 23.18 |               |                    |  |
|            |           | 8               | 7         | 23.12 | 23.25 | 23.24 |               |                    |  |
|            | 16QAM     | 15              | 0         | 23.12 | 23.06 | 23.16 |               |                    |  |
|            |           | 1               | 0         | 23.15 | 23.11 | 23.19 |               |                    |  |
|            |           | 1               | 7         | 23.19 | 23.27 | 23.25 |               |                    |  |
|            |           | 1               | 14        | 23.15 | 23.14 | 23.24 |               |                    |  |
|            |           | 8               | 0         | 22.10 | 22.04 | 22.11 |               |                    |  |
|            |           | 8               | 3         | 22.10 | 22.10 | 22.22 |               |                    |  |
|            |           | 8               | 7         | 22.10 | 22.15 | 22.08 |               |                    |  |
|            |           | 15              | 0         | 22.05 | 22.09 | 22.13 |               |                    |  |
|            | 64QAM     | 1               | 0         | 22.21 | 22.15 | 22.19 |               |                    |  |
|            |           | 1               | 7         | 22.21 | 22.31 | 22.28 |               |                    |  |
|            |           | 1               | 14        | 22.18 | 22.11 | 22.18 |               |                    |  |
|            |           | 8               | 0         | 21.10 | 21.18 | 21.19 |               |                    |  |
|            |           | 8               | 3         | 21.19 | 21.20 | 21.29 |               |                    |  |
|            |           | 8               | 7         | 21.14 | 21.17 | 21.16 |               |                    |  |
|            |           | 15              | 0         | 21.19 | 21.17 | 21.26 |               |                    |  |
| 1.4M       | QPSK      | Channel         |           | 20407 | 20525 | 20643 | 3GPP MPR      | Max. Tune-up       |  |
|            |           | Frequency (MHz) |           | 824.7 | 836.5 | 848.3 |               |                    |  |
|            |           | 1               | 0         | 24.02 | 23.96 | 24.03 |               |                    |  |
|            |           | 1               | 2         | 24.12 | 24.17 | 24.18 |               |                    |  |
|            |           | 1               | 5         | 24.12 | 24.05 | 24.18 |               |                    |  |
|            |           | 3               | 0         | 24.08 | 24.09 | 24.16 |               |                    |  |
|            |           | 3               | 1         | 24.14 | 24.15 | 24.21 |               |                    |  |
|            |           | 3               | 3         | 24.12 | 24.25 | 24.21 |               |                    |  |
|            | 16QAM     | 6               | 0         | 23.13 | 23.06 | 23.19 |               |                    |  |
|            |           | 1               | 0         | 23.11 | 23.17 | 23.15 |               |                    |  |
|            |           | 1               | 2         | 23.20 | 23.26 | 23.28 |               |                    |  |
|            |           | 1               | 5         | 23.10 | 23.18 | 23.21 |               |                    |  |
|            |           | 3               | 0         | 23.10 | 23.03 | 23.14 |               |                    |  |
|            |           | 3               | 1         | 23.08 | 23.12 | 23.16 |               |                    |  |
|            |           | 3               | 3         | 23.05 | 23.15 | 23.10 |               |                    |  |
|            |           | 6               | 0         | 22.05 | 22.09 | 22.18 |               |                    |  |
|            | 64QAM     | 1               | 0         | 22.18 | 22.16 | 22.16 |               |                    |  |
|            |           | 1               | 2         | 22.18 | 22.31 | 22.30 |               |                    |  |
|            |           | 1               | 5         | 22.18 | 22.11 | 22.17 |               |                    |  |
|            |           | 3               | 0         | 22.10 | 22.16 | 22.16 |               |                    |  |
|            |           | 3               | 1         | 22.15 | 22.26 | 22.24 |               |                    |  |
|            |           | 3               | 3         | 22.17 | 22.13 | 22.20 |               |                    |  |
|            |           | 6               | 0         | 21.17 | 21.20 | 21.22 |               |                    |  |

| LTE Band 7 |           |                 |                 |                 |        |        |               |                    |              |              |  |
|------------|-----------|-----------------|-----------------|-----------------|--------|--------|---------------|--------------------|--------------|--------------|--|
| BW         | MCS Index | RB Size         | RB Offset       | Low             | Mid    | High   | 3GPP MPR (dB) | Max. Tune-up (dBm) |              |              |  |
|            |           | Channel         |                 | 20850           | 21100  | 21350  |               |                    |              |              |  |
|            |           | Frequency (MHz) |                 | 2510            | 2535   | 2560   |               |                    |              |              |  |
| 20M        | QPSK      | 1               | 0               | 23.15           | 23.08  | 23.14  | 0             | 24.5               |              |              |  |
|            |           | 1               | 50              | 23.26           | 23.09  | 23.19  | 0             | 24.5               |              |              |  |
|            |           | 1               | 99              | 23.17           | 23.01  | 23.14  | 0             | 24.5               |              |              |  |
|            |           | 50              | 0               | 23.18           | 23.03  | 23.07  | 1             | 24.5               |              |              |  |
|            |           | 50              | 25              | 23.21           | 23.09  | 23.17  | 1             | 24.5               |              |              |  |
|            |           | 50              | 50              | 23.20           | 23.04  | 23.13  | 1             | 24.5               |              |              |  |
|            |           | 100             | 0               | 23.12           | 23.06  | 23.07  | 1             | 24.5               |              |              |  |
|            |           | 1               | 0               | 23.09           | 22.93  | 23.02  | 1             | 24.5               |              |              |  |
|            |           | 1               | 50              | 23.14           | 23.08  | 23.09  | 1             | 24.5               |              |              |  |
|            |           | 1               | 99              | 23.07           | 22.94  | 23.00  | 1             | 24.5               |              |              |  |
|            | 16QAM     | 50              | 0               | 22.11           | 21.96  | 22.00  | 2             | 23.5               |              |              |  |
|            |           | 50              | 25              | 22.17           | 22.05  | 22.13  | 2             | 23.5               |              |              |  |
|            |           | 50              | 50              | 22.15           | 22.04  | 22.00  | 2             | 23.5               |              |              |  |
|            |           | 100             | 0               | 22.13           | 22.00  | 22.04  | 2             | 23.5               |              |              |  |
|            |           | 1               | 0               | 22.10           | 21.95  | 22.01  | 2             | 23.5               |              |              |  |
|            |           | 1               | 50              | 22.20           | 22.05  | 22.09  | 2             | 23.5               |              |              |  |
|            | 64QAM     | 1               | 99              | 22.10           | 21.98  | 22.06  | 2             | 23.5               |              |              |  |
|            |           | 50              | 0               | 21.14           | 21.03  | 20.99  | 3             | 22.5               |              |              |  |
|            |           | 50              | 25              | 21.15           | 21.04  | 21.08  | 3             | 22.5               |              |              |  |
|            |           | 50              | 50              | 21.14           | 21.05  | 21.04  | 3             | 22.5               |              |              |  |
|            |           | 100             | 0               | 21.12           | 20.96  | 21.05  | 3             | 22.5               |              |              |  |
|            |           |                 |                 |                 |        |        |               |                    |              |              |  |
|            | BW        | MCS Index       | Channel         |                 | 20825  | 21100  | 21375         | 3GPP MPR           | Max. Tune-up |              |  |
|            |           |                 | Frequency (MHz) |                 | 2507.5 | 2535   | 2562.5        |                    |              |              |  |
| 15M        | QPSK      | 1               | 0               | 23.14           | 23.07  | 23.03  | 0             | 24.5               |              |              |  |
|            |           | 1               | 37              | 23.13           | 23.08  | 23.02  | 0             | 24.5               |              |              |  |
|            |           | 1               | 74              | 23.05           | 22.95  | 23.07  | 0             | 24.5               |              |              |  |
|            |           | 36              | 0               | 23.09           | 22.91  | 22.99  | 1             | 24.5               |              |              |  |
|            |           | 36              | 19              | 23.13           | 22.96  | 23.06  | 1             | 24.5               |              |              |  |
|            |           | 36              | 39              | 23.08           | 22.90  | 23.05  | 1             | 24.5               |              |              |  |
|            | 16QAM     | 75              | 0               | 23.04           | 22.92  | 23.00  | 1             | 24.5               |              |              |  |
|            |           | 1               | 0               | 22.95           | 22.83  | 22.91  | 1             | 24.5               |              |              |  |
|            |           | 1               | 37              | 23.06           | 22.94  | 23.02  | 1             | 24.5               |              |              |  |
|            |           | 1               | 74              | 22.93           | 22.84  | 22.89  | 1             | 24.5               |              |              |  |
|            |           | 36              | 0               | 22.02           | 21.84  | 21.92  | 2             | 23.5               |              |              |  |
|            |           | 36              | 19              | 22.09           | 21.92  | 22.02  | 2             | 23.5               |              |              |  |
|            | 64QAM     | 36              | 39              | 22.03           | 21.90  | 21.92  | 2             | 23.5               |              |              |  |
|            |           | 75              | 0               | 22.06           | 21.92  | 21.90  | 2             | 23.5               |              |              |  |
|            |           | 1               | 0               | 21.99           | 21.81  | 21.89  | 2             | 23.5               |              |              |  |
|            |           | 1               | 37              | 22.13           | 21.93  | 22.01  | 2             | 23.5               |              |              |  |
|            |           | 1               | 74              | 22.02           | 21.85  | 21.95  | 2             | 23.5               |              |              |  |
|            |           | 36              | 0               | 21.02           | 20.89  | 20.91  | 3             | 22.5               |              |              |  |
|            | 16QAM     | 36              | 19              | 21.08           | 20.96  | 20.94  | 3             | 22.5               |              |              |  |
|            |           | 36              | 39              | 21.01           | 20.91  | 20.92  | 3             | 22.5               |              |              |  |
|            |           | 75              | 0               | 21.04           | 20.89  | 20.95  | 3             | 22.5               |              |              |  |
|            |           |                 |                 |                 |        |        |               |                    |              |              |  |
|            |           | BW              | MCS Index       | Channel         |        | 20800  | 21100         | 21400              | 3GPP MPR     | Max. Tune-up |  |
|            |           |                 |                 | Frequency (MHz) |        | 2505   | 2535          | 2565               |              |              |  |
| 10M        | QPSK      | 1               | 0               | 23.06           | 23.02  | 23.01  | 0             | 24.5               |              |              |  |
|            |           | 1               | 24              | 23.13           | 22.98  | 23.12  | 0             | 24.5               |              |              |  |
|            |           | 1               | 49              | 23.00           | 23.02  | 23.04  | 0             | 24.5               |              |              |  |
|            |           | 25              | 0               | 23.10           | 22.89  | 23.00  | 1             | 24.5               |              |              |  |
|            |           | 25              | 12              | 23.07           | 22.99  | 23.06  | 1             | 24.5               |              |              |  |
|            |           | 25              | 25              | 23.11           | 22.92  | 23.05  | 1             | 24.5               |              |              |  |
|            | 16QAM     | 50              | 0               | 23.04           | 22.93  | 22.96  | 1             | 24.5               |              |              |  |
|            |           | 1               | 0               | 22.97           | 22.79  | 22.94  | 1             | 24.5               |              |              |  |
|            |           | 1               | 24              | 23.07           | 23.00  | 22.95  | 1             | 24.5               |              |              |  |
|            |           | 1               | 49              | 22.96           | 22.80  | 22.88  | 1             | 24.5               |              |              |  |
|            |           | 25              | 0               | 22.04           | 21.84  | 21.92  | 2             | 23.5               |              |              |  |
|            |           | 25              | 12              | 22.09           | 21.91  | 22.06  | 2             | 23.5               |              |              |  |
|            | 64QAM     | 25              | 25              | 22.01           | 21.94  | 21.89  | 2             | 23.5               |              |              |  |
|            |           | 50              | 0               | 22.05           | 21.86  | 21.97  | 2             | 23.5               |              |              |  |
|            |           | 1               | 0               | 21.96           | 21.85  | 21.90  | 2             | 23.5               |              |              |  |
|            |           | 1               | 24              | 22.11           | 21.93  | 22.01  | 2             | 23.5               |              |              |  |
|            |           | 1               | 49              | 22.02           | 21.85  | 21.95  | 2             | 23.5               |              |              |  |
|            |           | 25              | 0               | 21.02           | 20.89  | 20.91  | 3             | 22.5               |              |              |  |
|            | 16QAM     | 25              | 12              | 21.08           | 20.96  | 20.94  | 3             | 22.5               |              |              |  |
|            |           | 25              | 25              | 21.03           | 20.91  | 20.92  | 3             | 22.5               |              |              |  |
|            |           | 50              | 0               | 21.05           | 20.84  | 20.97  | 3             | 22.5               |              |              |  |
|            |           |                 |                 |                 |        |        |               |                    |              |              |  |
|            |           | BW              | MCS Index       | Channel         |        | 20775  | 21100         | 21425              | 3GPP MPR     | Max. Tune-up |  |
|            |           |                 |                 | Frequency (MHz) |        | 2502.5 | 2535          | 2567.5             |              |              |  |
| 5M         | QPSK      | 1               | 0               | 23.06           | 23.01  | 22.95  | 0             | 24.5               |              |              |  |
|            |           | 1               | 12              | 23.08           | 23.08  | 23.04  | 0             | 24.5               |              |              |  |
|            |           | 1               | 24              | 23.07           | 22.95  | 23.12  | 0             | 24.5               |              |              |  |
|            |           | 12              | 0               | 23.06           | 22.95  | 22.96  | 1             | 24.5               |              |              |  |
|            |           | 12              | 6               | 23.08           | 22.98  | 23.09  | 1             | 24.5               |              |              |  |
|            |           | 12              | 13              | 23.06           | 22.96  | 23.02  | 1             | 24.5               |              |              |  |
|            | 16QAM     | 25              | 0               | 23.04           | 22.92  | 22.99  | 1             | 24.5               |              |              |  |
|            |           | 1               | 0               | 22.95           | 22.81  | 22.88  | 1             | 24.5               |              |              |  |
|            |           | 1               | 12              | 23.02           | 23.00  | 22.97  | 1             | 24.5               |              |              |  |
|            |           | 1               | 24              | 22.94           | 22.83  | 22.92  | 1             | 24.5               |              |              |  |
|            |           | 12              | 0               | 21.99           | 21.83  | 21.89  | 2             | 23.5               |              |              |  |
|            |           | 12              | 6               | 22.04           | 21.94  | 22.05  | 2             | 23.5               |              |              |  |
|            | 64QAM     | 12              | 13              | 22.01           | 21.96  | 21.88  | 2             | 23.5               |              |              |  |
|            |           | 25              | 0               | 21.99           | 21.93  | 21.96  | 2             | 23.5               |              |              |  |
|            |           | 1               | 0               | 22.00           | 21.84  | 21.87  | 2             | 23.5               |              |              |  |
|            |           | 1               | 12              | 22.06           | 21.98  | 22.01  | 2             | 23.5               |              |              |  |
|            |           | 1               | 24              | 22.00           | 21.87  | 21.92  | 2             | 23.5               |              |              |  |
|            |           | 12              | 0               | 21.02           | 20.95  | 20.90  | 3             | 22.5               |              |              |  |
|            | 16QAM     | 12              | 6               | 21.01           | 20.97  | 21.00  | 3             | 22.5               |              |              |  |
|            |           | 12              | 13              | 21.04           | 20.94  | 20.90  | 3             | 22.5               |              |              |  |
|            |           | 25              | 0               | 21.00           | 20.88  | 20.96  | 3             | 22.5               |              |              |  |
|            |           |                 |                 |                 |        |        |               |                    |              |              |  |

| LTE Band 38 |           |                 |           |        |       |        |               |                    |
|-------------|-----------|-----------------|-----------|--------|-------|--------|---------------|--------------------|
| BW          | MCS Index | RB Size         | RB Offset | Low    | Mid   | High   | 3GPP MPR (dB) | Max. Tune-up (dBm) |
|             |           | Channel         |           | 37850  | 38000 | 38150  |               |                    |
|             |           | Frequency (MHz) |           | 2580   | 2595  | 2610   |               |                    |
| 20M         | QPSK      | 1               | 0         | 23.98  | 23.93 | 23.98  | 0             | 25.5               |
|             |           | 1               | 50        | 24.05  | 24.02 | 24.09  | 0             | 25.5               |
|             |           | 1               | 99        | 23.99  | 23.92 | 23.96  | 0             | 25.5               |
|             |           | 50              | 0         | 22.86  | 22.91 | 22.94  | 1             | 24.5               |
|             |           | 50              | 25        | 22.92  | 22.89 | 22.92  | 1             | 24.5               |
|             |           | 50              | 50        | 22.90  | 22.85 | 22.90  | 1             | 24.5               |
|             |           | 100             | 0         | 22.91  | 22.88 | 22.95  | 1             | 24.5               |
|             |           | 1               | 0         | 22.63  | 22.56 | 22.60  | 1             | 24.5               |
|             |           | 1               | 50        | 22.63  | 22.75 | 22.83  | 1             | 24.5               |
|             |           | 1               | 99        | 22.61  | 22.61 | 22.59  | 1             | 24.5               |
|             | 16QAM     | 50              | 0         | 21.95  | 21.87 | 21.95  | 2             | 23.5               |
|             |           | 50              | 25        | 21.92  | 21.92 | 21.90  | 2             | 23.5               |
|             |           | 50              | 50        | 21.92  | 21.87 | 21.92  | 2             | 23.5               |
|             |           | 100             | 0         | 22.02  | 21.99 | 22.06  | 2             | 23.5               |
|             |           | 1               | 0         | 21.68  | 21.61 | 21.65  | 2             | 23.5               |
|             |           | 1               | 50        | 21.80  | 21.85 | 21.88  | 2             | 23.5               |
|             | 64QAM     | 1               | 99        | 21.66  | 21.63 | 21.68  | 2             | 23.5               |
|             |           | 50              | 0         | 20.96  | 20.91 | 20.98  | 3             | 22.5               |
|             |           | 50              | 25        | 20.87  | 20.92 | 20.95  | 3             | 22.5               |
|             |           | 50              | 50        | 20.89  | 20.94 | 20.97  | 3             | 22.5               |
|             |           | 100             | 0         | 20.93  | 20.90 | 20.97  | 3             | 22.5               |
|             |           | 100             | 0         | 20.93  | 20.90 | 20.97  | 3             | 22.5               |
| BW          | MCS Index | Channel         |           | 37825  | 38000 | 38175  | 3GPP MPR      | Max. Tune-up       |
|             |           | Frequency (MHz) |           | 2577.5 | 2595  | 2612.5 |               |                    |
| 15M         | QPSK      | 1               | 0         | 23.92  | 23.87 | 23.92  | 0             | 25.5               |
|             |           | 1               | 37        | 23.97  | 23.90 | 24.00  | 0             | 25.5               |
|             |           | 1               | 74        | 23.78  | 23.69 | 23.78  | 0             | 25.5               |
|             |           | 36              | 0         | 22.78  | 22.77 | 22.82  | 1             | 24.5               |
|             |           | 36              | 19        | 22.78  | 22.81 | 22.85  | 1             | 24.5               |
|             |           | 36              | 39        | 22.78  | 22.71 | 22.77  | 1             | 24.5               |
|             |           | 75              | 0         | 22.83  | 22.76 | 22.86  | 1             | 24.5               |
|             |           | 1               | 0         | 22.52  | 22.43 | 22.52  | 1             | 24.5               |
|             |           | 1               | 37        | 22.75  | 22.61 | 22.71  | 1             | 24.5               |
|             |           | 1               | 74        | 22.54  | 22.47 | 22.51  | 1             | 24.5               |
|             | 16QAM     | 36              | 0         | 21.84  | 21.77 | 21.81  | 2             | 23.5               |
|             |           | 36              | 19        | 21.85  | 21.78 | 21.82  | 2             | 23.5               |
|             |           | 36              | 39        | 21.81  | 21.77 | 21.78  | 2             | 23.5               |
|             |           | 75              | 0         | 21.94  | 21.87 | 21.97  | 2             | 23.5               |
|             |           | 1               | 0         | 21.57  | 21.48 | 21.57  | 2             | 23.5               |
|             |           | 1               | 37        | 21.72  | 21.71 | 21.76  | 2             | 23.5               |
|             | 64QAM     | 1               | 74        | 21.52  | 21.55 | 21.61  | 2             | 23.5               |
|             |           | 36              | 0         | 20.84  | 20.77 | 20.87  | 3             | 22.5               |
|             |           | 36              | 19        | 20.79  | 20.80 | 20.88  | 3             | 22.5               |
|             |           | 36              | 39        | 20.75  | 20.86 | 20.90  | 3             | 22.5               |
|             |           | 75              | 0         | 20.79  | 20.82 | 20.90  | 3             | 22.5               |
|             |           | 75              | 0         | 20.79  | 20.82 | 20.90  | 3             | 22.5               |
| BW          | MCS Index | Channel         |           | 37800  | 38000 | 38200  | 3GPP MPR      | Max. Tune-up       |
|             |           | Frequency (MHz) |           | 2575   | 2595  | 2615   |               |                    |
| 10M         | QPSK      | 1               | 0         | 23.91  | 23.82 | 23.88  | 0             | 25.5               |
|             |           | 1               | 24        | 23.94  | 23.94 | 23.97  | 0             | 25.5               |
|             |           | 1               | 49        | 23.81  | 23.71 | 23.73  | 0             | 25.5               |
|             |           | 25              | 0         | 22.75  | 22.83 | 22.80  | 1             | 24.5               |
|             |           | 25              | 12        | 22.84  | 22.75 | 22.84  | 1             | 24.5               |
|             |           | 25              | 25        | 22.76  | 22.73 | 22.76  | 1             | 24.5               |
|             |           | 50              | 0         | 22.79  | 22.80 | 22.83  | 1             | 24.5               |
|             |           | 1               | 0         | 22.55  | 22.45 | 22.47  | 1             | 24.5               |
|             |           | 1               | 24        | 22.72  | 22.62 | 22.71  | 1             | 24.5               |
|             |           | 1               | 49        | 22.53  | 22.50 | 22.46  | 1             | 24.5               |
|             | 16QAM     | 25              | 0         | 21.83  | 21.79 | 21.81  | 2             | 23.5               |
|             |           | 25              | 12        | 21.84  | 21.85 | 21.76  | 2             | 23.5               |
|             |           | 25              | 25        | 21.78  | 21.76 | 21.82  | 2             | 23.5               |
|             |           | 50              | 0         | 21.94  | 21.92 | 21.92  | 2             | 23.5               |
|             |           | 1               | 0         | 21.54  | 21.50 | 21.55  | 2             | 23.5               |
|             |           | 1               | 24        | 21.71  | 21.77 | 21.76  | 2             | 23.5               |
|             | 64QAM     | 1               | 49        | 21.58  | 21.56 | 21.54  | 2             | 23.5               |
|             |           | 25              | 0         | 20.88  | 20.80 | 20.85  | 3             | 22.5               |
|             |           | 25              | 12        | 20.76  | 20.84 | 20.81  | 3             | 22.5               |
|             |           | 25              | 25        | 20.81  | 20.80 | 20.89  | 3             | 22.5               |
|             |           | 50              | 0         | 20.84  | 20.82 | 20.85  | 3             | 22.5               |
|             |           | 50              | 0         | 20.84  | 20.82 | 20.85  | 3             | 22.5               |
| BW          | MCS Index | Channel         |           | 37775  | 38000 | 38225  | 3GPP MPR      | Max. Tune-up       |
|             |           | Frequency (MHz) |           | 2572.5 | 2595  | 2617.5 |               |                    |
| 5M          | QPSK      | 1               | 0         | 23.91  | 23.79 | 23.87  | 0             | 25.5               |
|             |           | 1               | 12        | 23.94  | 23.91 | 23.99  | 0             | 25.5               |
|             |           | 1               | 24        | 23.78  | 23.75 | 23.72  | 0             | 25.5               |
|             |           | 12              | 0         | 22.79  | 22.80 | 22.84  | 1             | 24.5               |
|             |           | 12              | 6         | 22.81  | 22.81 | 22.80  | 1             | 24.5               |
|             |           | 12              | 13        | 22.82  | 22.74 | 22.77  | 1             | 24.5               |
|             |           | 25              | 0         | 22.80  | 22.80 | 22.81  | 1             | 24.5               |
|             |           | 1               | 0         | 22.55  | 22.42 | 22.52  | 1             | 24.5               |
|             |           | 1               | 12        | 22.69  | 22.63 | 22.69  | 1             | 24.5               |
|             |           | 1               | 24        | 22.49  | 22.53 | 22.47  | 1             | 24.5               |
|             | 16QAM     | 12              | 0         | 21.87  | 21.76 | 21.82  | 2             | 23.5               |
|             |           | 12              | 6         | 21.81  | 21.79 | 21.78  | 2             | 23.5               |
|             |           | 12              | 13        | 21.84  | 21.76 | 21.79  | 2             | 23.5               |
|             |           | 25              | 0         | 21.90  | 21.91 | 21.92  | 2             | 23.5               |
|             |           | 1               | 0         | 21.60  | 21.54 | 21.51  | 2             | 23.5               |
|             |           | 1               | 12        | 21.66  | 21.74 | 21.78  | 2             | 23.5               |
|             | 64QAM     | 1               | 24        | 21.58  | 21.56 | 21.54  | 2             | 23.5               |
|             |           | 12              | 0         | 20.82  | 20.80 | 20.88  | 3             | 22.5               |
|             |           | 12              | 6         | 20.78  | 20.84 | 20.83  | 3             | 22.5               |
|             |           | 12              | 13        | 20.81  | 20.87 | 20.83  | 3             | 22.5               |
|             |           | 25              | 0         | 20.85  | 20.79 | 20.84  | 3             | 22.5               |
|             |           | 25              | 0         | 20.85  | 20.79 | 20.84  | 3             | 22.5               |

| CA_7C                                 |             |            |         |           |         |           |               |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |               |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Measured Power (dBm) | Tune up limit (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |               |                      |                     |
| 20850                                 | 21048       | QPSK       | 1       | 50        | 0       | 0         | 1             | 23.06                | 24.50               |
|                                       |             | 16QAM      | 1       | 50        | 0       | 0         | 1             | 23.03                | 24.50               |
|                                       |             | 64QAM      | 1       | 50        | 0       | 0         | 1             | 21.94                | 23.50               |
| 21001                                 | 21199       | QPSK       | 1       | 50        | 0       | 0         | 1             | 23.05                | 24.50               |
|                                       |             | 16QAM      | 1       | 50        | 0       | 0         | 1             | 23.03                | 24.50               |
|                                       |             | 64QAM      | 1       | 50        | 0       | 0         | 1             | 21.92                | 23.50               |
| 21152                                 | 21350       | QPSK       | 1       | 50        | 0       | 0         | 1             | 22.92                | 24.50               |
|                                       |             | 16QAM      | 1       | 50        | 0       | 0         | 1             | 22.76                | 24.50               |
|                                       |             | 64QAM      | 1       | 50        | 0       | 0         | 1             | 21.69                | 23.50               |

| CA_38C                                |             |            |         |           |         |           |               |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |               |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Measured Power (dBm) | Tune up limit (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |               |                      |                     |
| 37850                                 | 38048       | QPSK       | 1       | 50        | 0       | 0         | 1             | 23.93                | 25.50               |
|                                       |             | 16QAM      | 1       | 50        | 0       | 0         | 1             | 22.87                | 24.50               |
|                                       |             | 64QAM      | 1       | 50        | 0       | 0         | 1             | 21.95                | 23.50               |
| 37901                                 | 38099       | QPSK       | 1       | 50        | 0       | 0         | 1             | 23.98                | 25.50               |
|                                       |             | 16QAM      | 1       | 50        | 0       | 0         | 1             | 22.83                | 24.50               |
|                                       |             | 64QAM      | 1       | 50        | 0       | 0         | 1             | 21.90                | 23.50               |
| 37952                                 | 38150       | QPSK       | 1       | 50        | 0       | 0         | 1             | 24.07                | 25.50               |
|                                       |             | 16QAM      | 1       | 50        | 0       | 0         | 1             | 23.17                | 24.50               |
|                                       |             | 64QAM      | 1       | 50        | 0       | 0         | 1             | 22.13                | 23.50               |

| CA List    | PCC     |       |       |         |      |     |        | SCC     |       |        |         | Power     |            |
|------------|---------|-------|-------|---------|------|-----|--------|---------|-------|--------|---------|-----------|------------|
|            | LTE     | BW    | UL    | UL      | Mod. | UL# | UL     | LTE     | BW    | DL     | DL      | With CA   | Without CA |
|            | Band    | (MHz) | Freq. | Channel |      | RB  | RB     | Band    | (MHz) | Freq.  | Channel | Tx. Power | Tx. Power  |
|            |         |       | (MHz) |         |      |     | Offset |         |       | (MHz)  |         | (dBm)     | (dBm)      |
| CA_5A-7A   | Band 5  | 10M   | 836.5 | 20525   | QPSK | 1   | 24     | Band 7  | 20M   | 2655   | 3100    | 24.25     | 24.3       |
|            | Band 7  | 20M   | 2510  | 20850   | QPSK | 1   | 50     | Band 5  | 10M   | 881.5  | 2525    | 23.25     | 23.26      |
| CA_5A-41A  | Band 5  | 10M   | 836.5 | 20525   | QPSK | 1   | 24     | Band 41 | 20M   | 2593   | 40620   | 24.18     | 24.3       |
|            | Band 41 | 20M   | 2506  | 39750   | QPSK | 1   | 50     | Band 5  | 10M   | 881.5  | 2525    | 24.09     | 24.25      |
|            |         |       |       |         |      |     |        |         |       |        |         |           |            |
| CA_7C      | Band 7  | 20M   | 2510  | 20850   | QPSK | 1   | 50     | Band 7  | 20M   | 2649.8 | 3048    | 23.27     | 23.26      |
| CA_38C     | Band 38 | 20M   | 2610  | 38150   | QPSK | 1   | 50     | Band 38 | 20M   | 2590.2 | 37952   | 24.08     | 24.09      |
| CA_41C     | Band 41 | 20M   | 2506  | 39750   | QPSK | 1   | 50     | Band 41 | 20M   | 2525.8 | 39948   | 24.21     | 24.25      |
| CA_7A-7A   | Band 7  | 20M   | 2510  | 20850   | QPSK | 1   | 50     | Band 7  | 5M    | 2687.5 | 3425    | 23.2      | 23.26      |
| CA_41A-41A | Band 41 | 20M   | 2506  | 39750   | QPSK | 1   | 50     | Band 41 | 5M    | 2687.5 | 41565   | 24.18     | 24.25      |

WWAN Reduced Power for Head\_Ant4

| Band          | GSM1900 |       |        | Max. Tune-up Power |
|---------------|---------|-------|--------|--------------------|
| Channel       | 512     | 661   | 810    |                    |
| Frequency     | 1850.2  | 1880  | 1909.8 |                    |
| GSM           | 28.13   | 28.16 | 28.15  | 29.50              |
| GPRS 1Tx Slot | 28.20   | 28.15 | 28.19  | 29.50              |
| GPRS 2Tx Slot | 27.29   | 27.31 | 27.36  | 28.50              |
| GPRS 3Tx Slot | 25.56   | 25.35 | 25.56  | 26.50              |
| GPRS 4Tx Slot | 24.62   | 24.44 | 24.57  | 25.50              |
| EDGE 1Tx Slot | 24.68   | 24.58 | 24.64  | 26.00              |
| EDGE 2Tx Slot | 23.73   | 23.71 | 23.57  | 25.00              |
| EDGE 3Tx Slot | 21.49   | 21.44 | 21.53  | 23.00              |
| EDGE 4Tx Slot | 20.44   | 20.29 | 20.39  | 21.50              |

| Source-Based Time-Averaged Power |         |       |       |                    |
|----------------------------------|---------|-------|-------|--------------------|
| Band                             | GSM1900 |       |       | Max. Tune-up Power |
| Channel                          | 512     | 661   | 810   |                    |
| GSM                              | 19.13   | 19.16 | 19.15 | 20.50              |
| GPRS 1Tx Slot                    | 19.20   | 19.15 | 19.19 | 20.50              |
| GPRS 2Tx Slot                    | 21.29   | 21.31 | 21.36 | 22.50              |
| GPRS 3Tx Slot                    | 21.30   | 21.09 | 21.30 | 22.24              |
| GPRS 4Tx Slot                    | 21.62   | 21.44 | 21.57 | 22.50              |
| EDGE 1Tx Slot                    | 15.68   | 15.58 | 15.64 | 17.00              |
| EDGE 2Tx Slot                    | 17.73   | 17.71 | 17.57 | 19.00              |
| EDGE 3Tx Slot                    | 17.23   | 17.18 | 17.27 | 18.74              |
| EDGE 4Tx Slot                    | 17.44   | 17.29 | 17.39 | 18.50              |

| LTE Band 7 |           |                 |           |       |                 |       |               |              |  |  |  |
|------------|-----------|-----------------|-----------|-------|-----------------|-------|---------------|--------------|--|--|--|
| BW         | MCS Index | RB Size         | RB Offset | Low   | Mid             | High  | SQPP MPR (dB) | Max. Turn-up |  |  |  |
|            |           | Channel         |           |       | Channel         |       |               |              |  |  |  |
|            |           | Frequency (MHz) |           |       | Frequency (MHz) |       |               |              |  |  |  |
| 20M        | QPSK      | 1               | 0         | 17.03 | 16.95           | 16.89 | 0             | 16.5         |  |  |  |
|            |           | 1               | 50        | 17.28 | 17.11           | 17.07 | 0             | 16.5         |  |  |  |
|            |           | 1               | 99        | 16.90 | 16.84           | 16.84 | 0             | 16.5         |  |  |  |
|            |           | 50              | 0         | 17.04 | 16.97           | 16.91 | 1             | 16.5         |  |  |  |
|            |           | 50              | 25        | 17.07 | 17.08           | 16.99 | 1             | 16.5         |  |  |  |
|            | 16QAM     | 50              | 50        | 17.05 | 17.00           | 16.98 | 1             | 16.5         |  |  |  |
|            |           | 100             | 0         | 16.96 | 17.05           | 16.89 | 1             | 16.5         |  |  |  |
|            |           | 1               | 0         | 17.08 | 16.95           | 16.96 | 1             | 16.5         |  |  |  |
|            |           | 1               | 50        | 17.10 | 17.15           | 17.00 | 1             | 16.5         |  |  |  |
|            |           | 1               | 99        | 16.98 | 16.98           | 16.86 | 1             | 16.5         |  |  |  |
| 40M        | QPSK      | 1               | 0         | 16.93 | 16.96           | 16.79 | 2             | 16.5         |  |  |  |
|            |           | 1               | 50        | 17.04 | 17.01           | 16.88 | 2             | 16.5         |  |  |  |
|            |           | 1               | 99        | 16.84 | 16.87           | 16.78 | 2             | 16.5         |  |  |  |
|            |           | 50              | 0         | 17.00 | 16.97           | 16.76 | 3             | 16.5         |  |  |  |
|            |           | 50              | 25        | 17.03 | 17.05           | 16.94 | 3             | 16.5         |  |  |  |
|            | 16QAM     | 50              | 50        | 17.00 | 17.02           | 16.90 | 3             | 16.5         |  |  |  |
|            |           | 100             | 0         | 16.95 | 16.94           | 16.86 | 3             | 16.5         |  |  |  |
| 15M        | QPSK      | 1               | 0         | 16.97 | 16.94           | 16.79 | 0             | 16.5         |  |  |  |
|            |           | 1               | 37        | 17.08 | 17.05           | 16.99 | 0             | 16.5         |  |  |  |
|            |           | 1               | 74        | 16.91 | 16.89           | 16.80 | 0             | 16.5         |  |  |  |
|            |           | 36              | 0         | 16.98 | 16.85           | 16.83 | 1             | 16.5         |  |  |  |
|            |           | 36              | 19        | 17.04 | 16.98           | 16.92 | 1             | 16.5         |  |  |  |
|            | 16QAM     | 36              | 39        | 17.01 | 16.87           | 16.91 | 1             | 16.5         |  |  |  |
|            |           | 75              | 0         | 16.91 | 16.95           | 16.85 | 1             | 16.5         |  |  |  |
|            |           | 1               | 0         | 17.04 | 16.86           | 16.90 | 1             | 16.5         |  |  |  |
|            |           | 1               | 37        | 17.02 | 17.07           | 16.99 | 1             | 16.5         |  |  |  |
|            |           | 1               | 74        | 16.97 | 16.84           | 16.87 | 1             | 16.5         |  |  |  |
| 10M        | QPSK      | 1               | 0         | 16.93 | 16.83           | 16.74 | 2             | 16.5         |  |  |  |
|            |           | 36              | 19        | 16.98 | 16.87           | 16.94 | 2             | 16.5         |  |  |  |
|            |           | 36              | 39        | 16.97 | 16.98           | 16.73 | 2             | 16.5         |  |  |  |
|            |           | 75              | 0         | 16.93 | 16.83           | 16.79 | 2             | 16.5         |  |  |  |
|            |           | 1               | 0         | 16.96 | 16.84           | 16.72 | 2             | 16.5         |  |  |  |
|            | 16QAM     | 1               | 37        | 16.98 | 16.89           | 16.87 | 2             | 16.5         |  |  |  |
|            |           | 1               | 74        | 16.83 | 16.76           | 16.68 | 2             | 16.5         |  |  |  |
|            |           | 36              | 0         | 16.96 | 16.90           | 16.68 | 3             | 16.5         |  |  |  |
|            |           | 36              | 19        | 16.99 | 16.91           | 16.87 | 3             | 16.5         |  |  |  |
|            |           | 36              | 39        | 17.00 | 16.98           | 16.84 | 3             | 16.5         |  |  |  |
| 5M         | QPSK      | 1               | 0         | 16.91 | 16.82           | 16.63 | 3             | 16.5         |  |  |  |
|            |           | 1               | 37        | 17.14 | 17.12           | 16.90 | 1             | 16.5         |  |  |  |
|            |           | 1               | 74        | 16.83 | 16.76           | 16.68 | 2             | 16.5         |  |  |  |
|            |           | 36              | 0         | 16.96 | 16.90           | 16.68 | 3             | 16.5         |  |  |  |
|            |           | 36              | 19        | 16.99 | 16.91           | 16.87 | 3             | 16.5         |  |  |  |
|            | 16QAM     | 36              | 39        | 17.00 | 16.98           | 16.84 | 3             | 16.5         |  |  |  |
|            |           | 75              | 0         | 16.91 | 16.82           | 16.63 | 3             | 16.5         |  |  |  |
| 20M        | QPSK      | 1               | 0         | 16.92 | 16.85           | 16.88 | 0             | 16.5         |  |  |  |
|            |           | 1               | 24        | 17.15 | 17.05           | 17.03 | 0             | 16.5         |  |  |  |
|            |           | 1               | 49        | 16.85 | 16.88           | 16.76 | 0             | 16.5         |  |  |  |
|            |           | 25              | 0         | 17.00 | 16.87           | 16.87 | 1             | 16.5         |  |  |  |
|            |           | 25              | 12        | 16.97 | 17.02           | 16.94 | 1             | 16.5         |  |  |  |
|            | 16QAM     | 25              | 25        | 17.05 | 16.98           | 16.95 | 1             | 16.5         |  |  |  |
|            |           | 50              | 0         | 16.92 | 16.94           | 16.82 | 1             | 16.5         |  |  |  |
|            |           | 1               | 0         | 16.99 | 16.87           | 16.92 | 1             | 16.5         |  |  |  |
|            |           | 1               | 24        | 17.14 | 17.12           | 16.90 | 1             | 16.5         |  |  |  |
|            |           | 1               | 49        | 16.91 | 16.87           | 16.80 | 1             | 16.5         |  |  |  |
| 10M        | QPSK      | 25              | 0         | 16.97 | 16.81           | 16.77 | 2             | 16.5         |  |  |  |
|            |           | 25              | 12        | 16.98 | 16.97           | 16.94 | 2             | 16.5         |  |  |  |
|            |           | 25              | 25        | 16.97 | 16.98           | 16.73 | 2             | 16.5         |  |  |  |
|            |           | 50              | 0         | 16.92 | 16.81           | 16.80 | 2             | 16.5         |  |  |  |
|            |           | 1               | 0         | 16.99 | 16.92           | 16.70 | 2             | 16.5         |  |  |  |
|            | 16QAM     | 1               | 24        | 17.01 | 16.95           | 16.81 | 2             | 16.5         |  |  |  |
|            |           | 1               | 49        | 16.86 | 16.78           | 16.69 | 2             | 16.5         |  |  |  |
|            |           | 25              | 0         | 16.96 | 16.90           | 16.72 | 3             | 16.5         |  |  |  |
|            |           | 25              | 12        | 17.00 | 16.99           | 16.85 | 3             | 16.5         |  |  |  |
|            |           | 25              | 25        | 16.99 | 16.92           | 16.76 | 3             | 16.5         |  |  |  |
| 5M         | QPSK      | 50              | 0         | 16.96 | 16.83           | 16.65 | 3             | 16.5         |  |  |  |
|            |           | 1               | 0         | 16.99 | 16.89           | 16.83 | 1             | 16.5         |  |  |  |
|            |           | 1               | 12        | 17.04 | 17.15           | 16.96 | 1             | 16.5         |  |  |  |
|            |           | 1               | 24        | 16.93 | 16.85           | 16.67 | 1             | 16.5         |  |  |  |
|            |           | 12              | 0         | 16.86 | 16.80           | 16.74 | 2             | 16.5         |  |  |  |
|            | 16QAM     | 12              | 6         | 16.97 | 16.93           | 16.94 | 2             | 16.5         |  |  |  |
|            |           | 12              | 13        | 16.90 | 17.00           | 16.75 | 2             | 16.5         |  |  |  |
|            |           | 25              | 0         | 16.90 | 16.95           | 16.83 | 2             | 16.5         |  |  |  |
|            |           | 1               | 0         | 16.93 | 16.87           | 16.66 | 2             | 16.5         |  |  |  |
|            |           | 1               | 12        | 16.92 | 17.02           | 16.90 | 2             | 16.5         |  |  |  |
| 20M        | QPSK      | 1               | 0         | 16.85 | 16.76           | 16.62 | 2             | 16.5         |  |  |  |
|            |           | 1               | 24        | 16.85 | 16.76           | 16.62 | 2             | 16.5         |  |  |  |
|            |           | 12              | 0         | 16.91 | 16.96           | 16.73 | 3             | 16.5         |  |  |  |
|            |           | 12              | 6         | 16.98 | 16.96           | 16.91 | 3             | 16.5         |  |  |  |
|            |           | 12              | 13        | 16.99 | 16.95           | 16.78 | 3             | 16.5         |  |  |  |
|            | 16QAM     | 25              | 0         | 16.93 | 16.90           | 16.85 | 3             | 16.5         |  |  |  |

| LTE Band 38 |           |                 |           |       |                 |       |               |                   |  |  |  |
|-------------|-----------|-----------------|-----------|-------|-----------------|-------|---------------|-------------------|--|--|--|
| BW          | MCS Index | RB Size         | RB Offset | Low   | Mid             | High  | SQPP MPR (dB) | Max. Turn-up (dB) |  |  |  |
|             |           | Channel         |           |       | Channel         |       |               |                   |  |  |  |
|             |           | Frequency (MHz) |           |       | Frequency (MHz) |       |               |                   |  |  |  |
| 20M         | QPSK      | 1               | 0         | 19.90 | 19.91           | 19.98 | 0             | 21.5              |  |  |  |
|             |           | 1               | 50        | 20.05 | 20.04           | 20.09 | 0             | 21.5              |  |  |  |
|             |           | 1               | 99        | 19.82 | 19.84           | 19.93 | 0             | 21.5              |  |  |  |
|             |           | 50              | 0         | 19.86 | 19.89           | 19.89 | 1             | 21.5              |  |  |  |
|             |           | 50              | 25        | 19.77 | 19.80           | 19.85 | 1             | 21.5              |  |  |  |
|             | 16QAM     | 50              | 50        | 19.81 | 19.82           | 19.81 | 1             | 21.5              |  |  |  |
|             |           | 100             | 0         | 19.89 | 19.88           | 19.93 | 1             | 21.5              |  |  |  |
|             |           | 1               | 0         | 19.90 | 19.92           | 19.81 | 1             | 21.5              |  |  |  |
|             |           | 1               | 50        | 19.73 | 19.71           | 19.81 | 1             | 21.5              |  |  |  |
|             |           | 1               | 99        | 19.82 | 19.80           | 19.82 | 1             | 21.5              |  |  |  |
| 40M         | QPSK      | 50              | 0         | 19.78 | 19.76           | 19.86 | 2             | 21.5              |  |  |  |
|             |           | 50              | 25        | 19.67 | 19.75           | 19.77 | 2             | 21.5              |  |  |  |
|             |           | 50              | 50        | 19.75 | 19.76           | 19.83 | 2             | 21.5              |  |  |  |
|             |           | 100             | 0         | 19.88 | 19.87           | 19.92 | 2             | 21.5              |  |  |  |
|             |           | 1               | 0         | 19.90 | 19.92           | 19.81 | 2             | 21.5              |  |  |  |
|             | 16QAM     | 1               | 50        | 19.76 | 19.79           | 19.76 | 2             | 21.5              |  |  |  |
|             |           | 1               | 99        | 19.84 | 19.85           | 19.60 | 2             | 21.5              |  |  |  |
|             |           | 50              | 0         | 19.85 | 19.84           | 19.91 | 3             | 21.5              |  |  |  |
|             |           | 50              | 25        | 19.81 | 19.84           | 19.81 | 3             | 21.5              |  |  |  |
|             |           | 50              | 50        | 19.84 | 19.87           | 19.84 | 3             | 21.5              |  |  |  |
| 15M         | QPSK      | 100             | 0         | 19.84 | 19.83           | 19.88 | 3             | 21.5              |  |  |  |
|             |           | 1               | 0         | 19.85 | 19.83           | 19.94 | 0             | 21.5              |  |  |  |
|             |           | 1               | 37        | 20.01 | 19.95           | 20.02 | 0             | 21.5              |  |  |  |
|             |           | 1               | 74        | 19.74 | 19.74           | 19.89 | 0             | 21.5              |  |  |  |
|             |           | 36              | 0         | 19.83 | 19.85           | 19.78 | 1             | 21.5              |  |  |  |
|             | 16QAM     | 36              | 19        | 19.68 | 19.70           | 19.77 | 1             | 21.5              |  |  |  |
|             |           | 36              | 39        | 19.76 | 19.74           | 19.85 | 1             | 21.5              |  |  |  |
|             |           | 75              | 0         | 19.85 | 19.79           | 19.86 | 1             | 21.5              |  |  |  |
|             |           | 1               | 0         | 19.82 | 19.42           | 19.57 | 1             | 21.5              |  |  |  |
|             |           | 1               | 37        | 19.73 | 19.75           | 19.66 | 2             | 21.5              |  |  |  |
| 10M         | QPSK      | 1               | 74        | 19.42 | 19.54           | 19.51 | 1             | 21.5              |  |  |  |
|             |           | 36              | 0         | 19.74 | 19.66           | 19.83 | 2             | 21.5              |  |  |  |
|             |           | 36              | 19        | 19.57 | 19.69           | 19.76 | 2             | 21.5              |  |  |  |
|             |           | 36              | 39        | 19.70 | 19.68           | 19.79 | 2             | 21.5              |  |  |  |
|             |           | 75              | 0         | 19.84 | 19.78           | 19.85 | 2             | 21.5              |  |  |  |
|             | 16QAM     | 1               | 0         | 19.82 | 19.42           | 19.57 | 2             | 21.5              |  |  |  |
|             |           | 1               | 37        | 19.73 | 19.75           | 19.66 | 2             | 21.5              |  |  |  |
|             |           | 1               | 74        | 19.47 | 19.45           | 19.52 | 2             | 21.5              |  |  |  |
|             |           | 36              | 0         | 19.82 | 19.76           | 19.87 | 3             | 21.5              |  |  |  |
|             |           | 36              | 19        | 19.78 | 19.80           | 19.81 | 3             | 21.5              |  |  |  |
| 5M          | QPSK      | 36              | 39        | 19.81 | 19.83           | 19.74 | 3             | 21.5              |  |  |  |
|             |           | 75              | 0         | 19.80 | 19.74           | 19.81 | 3             | 21.5              |  |  |  |
|             |           | 1               | 0         | 19.84 | 19.84           | 19.95 | 0             | 21.5              |  |  |  |
|             |           | 1               | 24        | 19.73 | 19.77           | 19.89 | 0             | 21.5              |  |  |  |
|             |           | 1               | 49        | 19.63 | 19.63           | 19.88 | 0             | 21.5              |  |  |  |
| 5M          | QPSK      | 25              | 0         | 19.68 | 19.72           | 19.78 | 2             | 21.5              |  |  |  |
|             |           | 25              | 12        | 19.57 | 19.72           | 19.73 | 2             | 21.5              |  |  |  |
|             |           | 25              | 25        | 19.69 | 19.69           | 19.73 | 2             | 21.5              |  |  |  |
|             |           | 25              | 50        | 19.79 | 19.84           | 19.88 | 2             | 21.5              |  |  |  |
|             |           | 1               | 0         | 19.44 | 19.45           | 19.51 | 2             | 21.5              |  |  |  |
|             | 16QAM     | 1               | 24        | 19.68 | 19.75           | 19.71 | 2             | 21.5              |  |  |  |
|             |           | 1               | 49        | 19.44 | 19.52           | 19.66 | 2             | 21.5              |  |  |  |
|             |           | 25              | 0         | 19.76 | 19.77           | 19.87 | 3             | 21.5              |  |  |  |
|             |           | 25              | 12        | 19.71 | 19.80           | 19.74 | 3             | 21.5              |  |  |  |
|             |           | 25              | 25        | 19.77 | 19.80           | 19.80 | 3             | 21.5              |  |  |  |
| 5M          | QPSK      | 50              | 0         | 19.76 | 19.79           | 19.83 | 3             | 21.5              |  |  |  |
|             |           | 1               | 0         | 19.44 | 19.45           | 19.51 | 2             | 21.5              |  |  |  |
|             |           | 1               | 24        | 19.68 | 19.75           | 19.71 | 2             | 21.5              |  |  |  |
|             |           | 1               | 49        | 19.44 | 19.52           | 19.66 | 2             | 21.5              |  |  |  |
|             |           | 25              | 0         | 19.76 | 19.77           | 19.87 | 3             | 21.5              |  |  |  |
|             | 16QAM     | 25              | 12        | 19.71 | 19.80           | 19.74 | 3             | 21.5              |  |  |  |
|             |           | 25              | 25        | 19.77 | 19.80           | 19.80 | 3             | 21.5              |  |  |  |
|             |           | 50              | 0         | 19.76 | 19.79           | 19.83 | 3             | 21.5              |  |  |  |
|             |           | 1               | 0         | 19.44 | 19.45           | 19.51 | 2             | 21.5              |  |  |  |
|             |           | 1               | 24        | 19.70 | 19.72           | 19.66 | 2             | 21.5              |  |  |  |
| 5M          | QPSK      | 12              | 0         | 19.44 | 19.45           | 19.54 | 2             | 21.5              |  |  |  |
|             |           | 12              | 6         | 19.69 | 19.69           | 19.82 | 2             | 21.5              |  |  |  |
|             |           | 12              | 6         | 19.59 | 19.66           | 19.72 | 2             | 21.5              |  |  |  |
|             |           | 12              | 13        | 19.67 | 19.68           | 19.73 | 2             | 21.5              |  |  |  |
|             |           | 12              | 13        | 19.72 | 19.75           | 19.86 | 2             | 21.5              |  |  |  |
|             | 16QAM     | 25              | 0         | 19.76 | 19.76           | 19.86 | 2             | 21.5              |  |  |  |
|             |           | 1               | 0         | 19.46 | 19.42           | 19.57 | 1             | 21.5              |  |  |  |
|             |           | 1               | 12        | 19.63 | 19.63           | 19.71 | 1             | 21.5              |  |  |  |
|             |           | 1               | 24        | 19.64 | 19.69           | 19.84 | 2             | 21.5              |  |  |  |
|             |           | 1               | 49        | 19.44 | 19.52           | 19.66 | 2             | 21.5              |  |  |  |
| 40M         | QPSK      | 12              | 6         | 19.59 | 19.66           | 19.72 | 2             | 21.5              |  |  |  |
|             |           | 12              | 13        | 19.67 | 19.68           | 19.73 | 2             | 21.5              |  |  |  |
|             |           | 25              | 0         | 19.78 | 19.83           | 19.84 | 2             | 21.5              |  |  |  |
|             |           | 1               | 0         | 19.49 | 19.49           | 19.57 | 2             | 21.5              |  |  |  |
|             |           | 1               | 12        | 19.70 | 19.72           | 19.66 | 2             | 21.5              |  |  |  |
| 40M         | QPSK      | 12              | 6         | 19.44 | 19.52           | 19.56 | 2             | 21.5              |  |  |  |
|             |           | 12              | 0         | 19.79 | 19.77           | 19.81 | 3             | 21.5              |  |  |  |
|             |           | 12              | 6         | 19.73 | 19.80           | 19.76 | 3             | 21.5              |  |  |  |
|             |           | 12              | 13        | 19.74 | 19.84           | 19.89 | 2             | 21.5              |  |  |  |
|             |           | 25              | 0         | 19.75 | 19.76           | 19.84 | 3             | 21.5              |  |  |  |

| CA_7C                                 |             |            |         |           |         |           |               |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |               |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Measured Power (dBm) | Tune up limit (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |               |                      |                     |
| 20850                                 | 21048       | QPSK       | 1       | 50        | 0       | 0         | 1             | 17.07                | 18.50               |
|                                       |             | 16QAM      | 1       | 50        | 0       | 0         | 1             | 16.70                | 18.50               |
|                                       |             | 64QAM      | 1       | 50        | 0       | 0         | 1             | 16.93                | 18.50               |
| 21001                                 | 21199       | QPSK       | 1       | 50        | 0       | 0         | 1             | 17.09                | 18.50               |
|                                       |             | 16QAM      | 1       | 50        | 0       | 0         | 1             | 16.80                | 18.50               |
|                                       |             | 64QAM      | 1       | 50        | 0       | 0         | 1             | 16.95                | 18.50               |
| 21152                                 | 21350       | QPSK       | 1       | 50        | 0       | 0         | 1             | 16.90                | 18.50               |
|                                       |             | 16QAM      | 1       | 50        | 0       | 0         | 1             | 16.80                | 18.50               |
|                                       |             | 64QAM      | 1       | 50        | 0       | 0         | 1             | 16.87                | 18.50               |

| CA_38C                                |             |            |         |           |         |           |               |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|---------------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |               |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Total RB Size | Measured Power (dBm) | Tune up limit (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |               |                      |                     |
| 37850                                 | 38048       | QPSK       | 1       | 50        | 0       | 0         | 1             | 20.04                | 21.50               |
|                                       |             | 16QAM      | 1       | 50        | 0       | 0         | 1             | 19.81                | 21.50               |
|                                       |             | 64QAM      | 1       | 50        | 0       | 0         | 1             | 19.99                | 21.50               |
| 37901                                 | 38099       | QPSK       | 1       | 50        | 0       | 0         | 1             | 20.00                | 21.50               |
|                                       |             | 16QAM      | 1       | 50        | 0       | 0         | 1             | 19.98                | 21.50               |
|                                       |             | 64QAM      | 1       | 50        | 0       | 0         | 1             | 19.95                | 21.50               |
| 37952                                 | 38150       | QPSK       | 1       | 50        | 0       | 0         | 1             | 19.95                | 21.50               |
|                                       |             | 16QAM      | 1       | 50        | 0       | 0         | 1             | 19.85                | 21.50               |
|                                       |             | 64QAM      | 1       | 50        | 0       | 0         | 1             | 19.92                | 21.50               |

| CA List    | PCC     |       |       |         |      |     |        | SCC     |       |        |         | Power     |            |
|------------|---------|-------|-------|---------|------|-----|--------|---------|-------|--------|---------|-----------|------------|
|            | LTE     | BW    | UL    | UL      | Mod. | UL# | UL     | LTE     | BW    | DL     | DL      | With CA   | Without CA |
|            | Band    | (MHz) | Freq. | Channel |      | RB  | RB     | Band    | (MHz) | Freq.  | Channel | Tx. Power | Tx. Power  |
|            |         |       | (MHz) |         |      |     | Offset |         |       | (MHz)  |         | (dBm)     | (dBm)      |
| CA_7C      | Band 7  | 20M   | 2510  | 20850   | QPSK | 1   | 50     | Band 7  | 20M   | 2649.8 | 3048    | 17.18     | 17.2       |
| CA_38C     | Band 38 | 20M   | 2610  | 38150   | QPSK | 1   | 50     | Band 38 | 20M   | 2590.2 | 37952   | 20.05     | 20.09      |
| CA_41C     | Band 41 | 20M   | 2506  | 39750   | QPSK | 1   | 50     | Band 41 | 20M   | 2525.8 | 39948   | 19.28     | 19.25      |
| CA_7A-7A   | Band 7  | 20M   | 2510  | 20850   | QPSK | 1   | 50     | Band 7  | 5M    | 2687.5 | 3425    | 17.21     | 17.2       |
| CA_41A-41A | Band 41 | 20M   | 2506  | 39750   | QPSK | 1   | 50     | Band 41 | 5M    | 2687.5 | 41565   | 19.25     | 19.25      |

WWAN Reduced Power for Body\_Ant0

| LTE Band 5 |           |                 |           |       |       |       |               |                    |  |
|------------|-----------|-----------------|-----------|-------|-------|-------|---------------|--------------------|--|
| BW         | MCS Index | RB Size         | RB Offset | Low   | Mid   | High  | 3GPP MPR (dB) | Max. Tune-up (dBm) |  |
|            |           | Channel         |           | 20450 | 20525 | 20600 |               |                    |  |
|            |           | Frequency (MHz) |           | 829   | 836.5 | 844   |               |                    |  |
| 10M        | QPSK      | 1               | 0         | 22.79 | 23.00 | 23.13 | 0             | 24.5               |  |
|            |           | 1               | 24        | 22.87 | 23.10 | 23.21 | 0             | 24.5               |  |
|            |           | 1               | 49        | 22.76 | 22.97 | 23.15 | 0             | 24.5               |  |
|            |           | 25              | 0         | 22.69 | 22.92 | 23.04 | 1             | 24.5               |  |
|            |           | 25              | 12        | 22.78 | 22.99 | 23.17 | 1             | 24.5               |  |
|            |           | 25              | 25        | 22.74 | 22.99 | 23.11 | 1             | 24.5               |  |
|            |           | 50              | 0         | 22.77 | 22.90 | 23.11 | 1             | 24.5               |  |
|            |           | 1               | 0         | 22.67 | 22.85 | 23.00 | 1             | 24.5               |  |
|            | 16QAM     | 1               | 24        | 22.76 | 23.02 | 23.13 | 1             | 24.5               |  |
|            |           | 1               | 49        | 22.73 | 22.91 | 23.10 | 1             | 24.5               |  |
|            |           | 25              | 0         | 21.68 | 21.86 | 22.03 | 2             | 23.5               |  |
|            |           | 25              | 12        | 21.73 | 21.94 | 22.12 | 2             | 23.5               |  |
|            |           | 25              | 25        | 21.68 | 21.93 | 22.04 | 2             | 23.5               |  |
|            |           | 50              | 0         | 21.64 | 21.90 | 22.04 | 2             | 23.5               |  |
|            |           | 1               | 0         | 21.83 | 22.01 | 22.13 | 2             | 23.5               |  |
|            |           | 1               | 24        | 21.90 | 22.16 | 22.30 | 2             | 23.5               |  |
|            | 64QAM     | 1               | 49        | 21.79 | 21.97 | 22.09 | 2             | 23.5               |  |
|            |           | 25              | 0         | 20.74 | 20.97 | 21.11 | 3             | 22.5               |  |
|            |           | 25              | 12        | 20.81 | 21.07 | 21.21 | 3             | 22.5               |  |
|            |           | 25              | 25        | 20.78 | 20.96 | 21.08 | 3             | 22.5               |  |
|            |           | 50              | 0         | 20.74 | 20.97 | 21.11 | 3             | 22.5               |  |
| BW         | MCS Index | Channel         |           | 20425 | 20525 | 20625 | 3GPP MPR      | Max. Tune-up       |  |
|            |           | Frequency (MHz) |           | 826.5 | 836.5 | 846.5 |               |                    |  |
| 5M         | QPSK      | 1               | 0         | 22.73 | 22.93 | 23.06 | 0             | 24.5               |  |
|            |           | 1               | 12        | 22.77 | 23.07 | 23.14 | 0             | 24.5               |  |
|            |           | 1               | 24        | 22.70 | 22.90 | 23.12 | 0             | 24.5               |  |
|            |           | 12              | 0         | 22.61 | 22.88 | 22.97 | 1             | 24.5               |  |
|            |           | 12              | 6         | 22.69 | 22.92 | 23.13 | 1             | 24.5               |  |
|            |           | 12              | 13        | 22.64 | 22.95 | 23.04 | 1             | 24.5               |  |
|            |           | 25              | 0         | 22.73 | 22.80 | 23.07 | 1             | 24.5               |  |
|            |           | 1               | 0         | 22.57 | 22.77 | 22.90 | 1             | 24.5               |  |
|            | 16QAM     | 1               | 12        | 22.68 | 22.98 | 23.05 | 1             | 24.5               |  |
|            |           | 1               | 24        | 22.64 | 22.84 | 23.06 | 1             | 24.5               |  |
|            |           | 12              | 0         | 21.60 | 21.77 | 21.96 | 2             | 23.5               |  |
|            |           | 12              | 6         | 21.64 | 21.87 | 22.08 | 2             | 23.5               |  |
|            |           | 12              | 13        | 21.58 | 21.89 | 21.96 | 2             | 23.5               |  |
|            |           | 25              | 0         | 21.54 | 21.87 | 22.00 | 2             | 23.5               |  |
|            | 64QAM     | 1               | 0         | 21.77 | 21.94 | 22.03 | 2             | 23.5               |  |
|            |           | 1               | 12        | 21.80 | 22.13 | 22.26 | 2             | 23.5               |  |
|            |           | 1               | 24        | 21.73 | 21.90 | 21.99 | 2             | 23.5               |  |
|            |           | 12              | 0         | 20.66 | 20.93 | 21.06 | 3             | 22.5               |  |
|            |           | 12              | 6         | 20.71 | 21.04 | 21.17 | 3             | 22.5               |  |
|            |           | 12              | 13        | 20.72 | 20.89 | 20.98 | 3             | 22.5               |  |
|            |           | 25              | 0         | 20.66 | 20.93 | 21.06 | 3             | 22.5               |  |
| BW         | MCS Index | Channel         |           | 20415 | 20525 | 20635 | 3GPP MPR      | Max. Tune-up       |  |
|            |           | Frequency (MHz) |           | 825.5 | 836.5 | 847.5 |               |                    |  |
| 3M         | QPSK      | 1               | 0         | 22.71 | 22.91 | 23.06 | 0             | 24.5               |  |
|            |           | 1               | 7         | 22.78 | 23.03 | 23.17 | 0             | 24.5               |  |
|            |           | 1               | 14        | 22.66 | 22.93 | 23.07 | 0             | 24.5               |  |
|            |           | 8               | 0         | 22.59 | 22.89 | 23.00 | 1             | 24.5               |  |
|            |           | 8               | 3         | 22.72 | 22.92 | 23.07 | 1             | 24.5               |  |
|            |           | 8               | 7         | 22.64 | 22.96 | 23.07 | 1             | 24.5               |  |
|            |           | 15              | 0         | 22.70 | 22.83 | 23.05 | 1             | 24.5               |  |
|            | 16QAM     | 1               | 0         | 22.63 | 22.75 | 22.97 | 1             | 24.5               |  |
|            |           | 1               | 7         | 22.66 | 22.96 | 23.06 | 1             | 24.5               |  |
|            |           | 1               | 14        | 22.68 | 22.83 | 23.06 | 1             | 24.5               |  |
|            |           | 8               | 0         | 21.64 | 21.77 | 21.96 | 2             | 23.5               |  |
|            |           | 8               | 3         | 21.65 | 21.84 | 22.08 | 2             | 23.5               |  |
|            |           | 8               | 7         | 21.65 | 21.89 | 21.94 | 2             | 23.5               |  |
|            |           | 15              | 0         | 21.57 | 21.80 | 21.96 | 2             | 23.5               |  |
|            | 64QAM     | 1               | 0         | 21.80 | 21.93 | 22.09 | 2             | 23.5               |  |
|            |           | 1               | 7         | 21.83 | 22.12 | 22.21 | 2             | 23.5               |  |
|            |           | 1               | 14        | 21.75 | 21.87 | 22.06 | 2             | 23.5               |  |
|            |           | 8               | 0         | 20.64 | 20.91 | 21.04 | 3             | 22.5               |  |
|            |           | 8               | 3         | 20.77 | 20.97 | 21.18 | 3             | 22.5               |  |
|            |           | 8               | 7         | 20.68 | 20.90 | 21.01 | 3             | 22.5               |  |
|            |           | 15              | 0         | 20.70 | 20.87 | 21.08 | 3             | 22.5               |  |
| BW         | MCS Index | Channel         |           | 20407 | 20525 | 20643 | 3GPP MPR      | Max. Tune-up       |  |
|            |           | Frequency (MHz) |           | 824.7 | 836.5 | 848.3 |               |                    |  |
| 1.4M       | QPSK      | 1               | 0         | 22.76 | 22.92 | 23.09 | 0             | 24.5               |  |
|            |           | 1               | 2         | 22.80 | 23.01 | 23.14 | 0             | 24.5               |  |
|            |           | 1               | 5         | 22.72 | 22.87 | 23.11 | 0             | 24.5               |  |
|            |           | 3               | 0         | 22.62 | 22.82 | 23.01 | 0             | 24.5               |  |
|            |           | 3               | 1         | 22.72 | 22.92 | 23.10 | 0             | 24.5               |  |
|            |           | 3               | 3         | 22.64 | 22.96 | 23.04 | 0             | 24.5               |  |
|            |           | 6               | 0         | 22.71 | 22.83 | 23.08 | 1             | 24.5               |  |
|            | 16QAM     | 1               | 0         | 22.59 | 22.81 | 22.93 | 1             | 24.5               |  |
|            |           | 1               | 2         | 22.67 | 22.95 | 23.09 | 1             | 24.5               |  |
|            |           | 1               | 5         | 22.63 | 22.87 | 23.03 | 1             | 24.5               |  |
|            |           | 3               | 0         | 22.64 | 22.76 | 22.99 | 1             | 24.5               |  |
|            |           | 3               | 1         | 22.63 | 22.86 | 23.02 | 1             | 24.5               |  |
|            |           | 3               | 3         | 22.60 | 22.89 | 22.96 | 1             | 24.5               |  |
|            |           | 6               | 0         | 21.57 | 21.80 | 22.01 | 2             | 23.5               |  |
|            | 64QAM     | 1               | 0         | 21.77 | 21.94 | 22.06 | 2             | 23.5               |  |
|            |           | 1               | 2         | 21.80 | 22.12 | 22.23 | 2             | 23.5               |  |
|            |           | 1               | 5         | 21.75 | 21.87 | 22.05 | 2             | 23.5               |  |
|            |           | 3               | 0         | 21.64 | 21.89 | 22.01 | 2             | 23.5               |  |
|            |           | 3               | 1         | 21.73 | 22.03 | 22.13 | 2             | 23.5               |  |
|            |           | 3               | 3         | 21.71 | 21.86 | 22.05 | 2             | 23.5               |  |
|            |           | 6               | 0         | 20.68 | 20.90 | 21.04 | 3             | 22.5               |  |

| LTE Band 7 |           |                 |           |        |       |        |               |                    |  |
|------------|-----------|-----------------|-----------|--------|-------|--------|---------------|--------------------|--|
| BW         | MCS Index | RB Size         | RB Offset | Low    | Mid   | High   | 3GPP MPR (dB) | Max. Tune-up (dBm) |  |
|            |           | Channel         |           | 20850  | 21100 | 21350  |               |                    |  |
|            |           | Frequency (MHz) |           | 2510   | 2535  | 2560   |               |                    |  |
| 20M        | QPSK      | 1               | 0         | 19.92  | 19.85 | 19.83  | 0             | 21.5               |  |
|            |           | 1               | 50        | 20.09  | 20.02 | 19.98  | 0             | 21.5               |  |
|            |           | 1               | 99        | 19.88  | 19.84 | 19.84  | 0             | 21.5               |  |
|            |           | 50              | 0         | 19.90  | 19.83 | 19.79  | 1             | 21.5               |  |
|            |           | 50              | 25        | 19.97  | 19.93 | 19.93  | 1             | 21.5               |  |
|            |           | 50              | 50        | 19.95  | 19.89 | 19.90  | 1             | 21.5               |  |
|            |           | 100             | 0         | 19.88  | 19.90 | 19.83  | 1             | 21.5               |  |
|            | 16QAM     | 1               | 0         | 19.86  | 19.78 | 19.79  | 1             | 21.5               |  |
|            |           | 1               | 50        | 20.02  | 20.04 | 19.97  | 1             | 21.5               |  |
|            |           | 1               | 99        | 19.88  | 19.83 | 19.81  | 1             | 21.5               |  |
|            |           | 50              | 0         | 19.85  | 19.78 | 19.74  | 2             | 21.5               |  |
|            |           | 50              | 25        | 19.93  | 19.89 | 19.89  | 2             | 21.5               |  |
|            |           | 50              | 50        | 19.92  | 19.89 | 19.77  | 2             | 21.5               |  |
|            |           | 100             | 0         | 19.88  | 19.83 | 19.79  | 2             | 21.5               |  |
|            | 64QAM     | 1               | 0         | 19.80  | 19.77 | 19.65  | 2             | 21.5               |  |
|            |           | 1               | 50        | 19.92  | 19.89 | 19.85  | 2             | 21.5               |  |
|            |           | 1               | 99        | 19.78  | 19.73 | 19.71  | 2             | 21.5               |  |
|            |           | 50              | 0         | 19.86  | 19.83 | 19.71  | 3             | 21.5               |  |
|            |           | 50              | 25        | 19.92  | 19.89 | 19.85  | 3             | 21.5               |  |
|            |           | 50              | 50        | 19.93  | 19.92 | 19.83  | 3             | 21.5               |  |
|            |           | 100             | 0         | 19.91  | 19.83 | 19.84  | 3             | 21.5               |  |
| BW         | MCS Index | Channel         |           | 20825  | 21100 | 21375  | 3GPP MPR      | Max. Tune-up       |  |
|            |           | Frequency (MHz) |           | 2507.5 | 2535  | 2562.5 |               |                    |  |
| 15M        | QPSK      | 1               | 0         | 19.89  | 19.81 | 19.73  | 0             | 21.5               |  |
|            |           | 1               | 37        | 20.00  | 19.92 | 19.90  | 0             | 21.5               |  |
|            |           | 1               | 74        | 19.83  | 19.76 | 19.80  | 0             | 21.5               |  |
|            |           | 36              | 0         | 19.86  | 19.74 | 19.72  | 1             | 21.5               |  |
|            |           | 36              | 19        | 19.89  | 19.83 | 19.89  | 1             | 21.5               |  |
|            |           | 36              | 39        | 19.91  | 19.79 | 19.87  | 1             | 21.5               |  |
|            |           | 75              | 0         | 19.78  | 19.84 | 19.76  | 1             | 21.5               |  |
|            | 16QAM     | 1               | 0         | 19.82  | 19.68 | 19.76  | 1             | 21.5               |  |
|            |           | 1               | 37        | 19.92  | 19.98 | 19.90  | 1             | 21.5               |  |
|            |           | 1               | 74        | 19.83  | 19.75 | 19.77  | 1             | 21.5               |  |
|            |           | 36              | 0         | 19.81  | 19.69 | 19.67  | 2             | 21.5               |  |
|            |           | 36              | 19        | 19.85  | 19.79 | 19.85  | 2             | 21.5               |  |
|            |           | 36              | 39        | 19.89  | 19.85 | 19.67  | 2             | 21.5               |  |
|            |           | 75              | 0         | 19.81  | 19.73 | 19.71  | 2             | 21.5               |  |
|            | 64QAM     | 1               | 0         | 19.77  | 19.69 | 19.61  | 2             | 21.5               |  |
|            |           | 1               | 37        | 19.88  | 19.80 | 19.78  | 2             | 21.5               |  |
|            |           | 1               | 74        | 19.70  | 19.63 | 19.67  | 2             | 21.5               |  |
|            |           | 36              | 0         | 19.83  | 19.79 | 19.61  | 3             | 21.5               |  |
|            |           | 36              | 19        | 19.83  | 19.79 | 19.77  | 3             | 21.5               |  |
|            |           | 36              | 39        | 19.89  | 19.89 | 19.77  | 3             | 21.5               |  |
|            |           | 75              | 0         | 19.87  | 19.73 | 19.81  | 3             | 21.5               |  |
| BW         | MCS Index | Channel         |           | 20800  | 21100 | 21400  | 3GPP MPR      | Max. Tune-up       |  |
|            |           | Frequency (MHz) |           | 2505   | 2535  | 2565   |               |                    |  |
| 10M        | QPSK      | 1               | 0         | 19.84  | 19.75 | 19.79  | 0             | 21.5               |  |
|            |           | 1               | 24        | 20.05  | 19.92 | 19.95  | 0             | 21.5               |  |
|            |           | 1               | 49        | 19.78  | 19.78 | 19.77  | 0             | 21.5               |  |
|            |           | 25              | 0         | 19.86  | 19.73 | 19.76  | 1             | 21.5               |  |
|            |           | 25              | 12        | 19.87  | 19.87 | 19.86  | 1             | 21.5               |  |
|            |           | 25              | 25        | 19.90  | 19.81 | 19.86  | 1             | 21.5               |  |
|            |           | 50              | 0         | 19.84  | 19.81 | 19.76  | 1             | 21.5               |  |
|            | 16QAM     | 1               | 0         | 19.78  | 19.68 | 19.75  | 1             | 21.5               |  |
|            |           | 1               | 24        | 19.99  | 20.00 | 19.87  | 1             | 21.5               |  |
|            |           | 1               | 49        | 19.81  | 19.73 | 19.73  | 1             | 21.5               |  |
|            |           | 25              | 0         | 19.82  | 19.70 | 19.70  | 2             | 21.5               |  |
|            |           | 25              | 12        | 19.89  | 19.79 | 19.86  | 2             | 21.5               |  |
|            |           | 25              | 25        | 19.82  | 19.83 | 19.70  | 2             | 21.5               |  |
|            |           | 50              | 0         | 19.84  | 19.73 | 19.76  | 2             | 21.5               |  |
|            | 64QAM     | 1               | 0         | 19.70  | 19.71 | 19.58  | 2             | 21.5               |  |
|            |           | 1               | 24        | 19.87  | 19.81 | 19.81  | 2             | 21.5               |  |
|            |           | 1               | 49        | 19.74  | 19.64 | 19.64  | 2             | 21.5               |  |
|            |           | 25              | 0         | 19.78  | 19.73 | 19.67  | 3             | 21.5               |  |
|            |           | 25              | 12        | 19.89  | 19.85 | 19.75  | 3             | 21.5               |  |
|            |           | 25              | 25        | 19.86  | 19.82 | 19.75  | 3             | 21.5               |  |
|            |           | 50              | 0         | 19.88  | 19.75 | 19.80  | 3             | 21.5               |  |
| BW         | MCS Index | Channel         |           | 20775  | 21100 | 21425  | 3GPP MPR      | Max. Tune-up       |  |
|            |           | Frequency (MHz) |           | 2502.5 | 2535  | 2567.5 |               |                    |  |
| 5M         | QPSK      | 1               | 0         | 19.86  | 19.78 | 19.76  | 0             | 21.5               |  |
|            |           | 1               | 12        | 19.99  | 19.99 | 19.91  | 0             | 21.5               |  |
|            |           | 1               | 24        | 19.82  | 19.77 | 19.81  | 0             | 21.5               |  |
|            |           | 12              | 0         | 19.82  | 19.79 | 19.72  | 1             | 21.5               |  |
|            |           | 12              | 6         | 19.88  | 19.86 | 19.89  | 1             | 21.5               |  |
|            |           | 12              | 13        | 19.85  | 19.85 | 19.83  | 1             | 21.5               |  |
|            |           | 25              | 0         | 19.84  | 19.80 | 19.79  | 1             | 21.5               |  |
|            | 16QAM     | 1               | 0         | 19.76  | 19.70 | 19.69  | 1             | 21.5               |  |
|            |           | 1               | 12        | 19.94  | 20.00 | 19.89  | 1             | 21.5               |  |
|            |           | 1               | 24        | 19.79  | 19.76 | 19.77  | 1             | 21.5               |  |
|            |           | 12              | 0         | 19.77  | 19.69 | 19.67  | 2             | 21.5               |  |
|            |           | 12              | 6         | 19.84  | 19.82 | 19.85  | 2             | 21.5               |  |
|            |           | 12              | 13        | 19.82  | 19.85 | 19.69  | 2             | 21.5               |  |
|            |           | 25              | 0         | 19.78  | 19.80 | 19.75  | 2             | 21.5               |  |
|            | 64QAM     | 1               | 0         | 19.74  | 19.70 | 19.55  | 2             | 21.5               |  |
|            |           | 1               | 12        | 19.82  | 19.86 | 19.81  | 2             | 21.5               |  |
|            |           | 1               | 24        | 19.72  | 19.66 | 19.61  | 2             | 21.5               |  |
|            |           | 12              | 0         | 19.78  | 19.79 | 19.66  | 3             | 21.5               |  |
|            |           | 12              | 6         | 19.82  | 19.86 | 19.81  | 3             | 21.5               |  |
|            |           | 12              | 13        | 19.87  | 19.85 | 19.73  | 3             | 21.5               |  |
|            |           | 25              | 0         | 19.83  | 19.79 | 19.79  | 3             | 21.5               |  |

| LTE Band 38 |           |                 |           |        |       |        |               |                    |  |
|-------------|-----------|-----------------|-----------|--------|-------|--------|---------------|--------------------|--|
| BW          | MCS Index | RB Size         | RB Offset | Low    | Mid   | High   | 3GPP MPR (dB) | Max. Tune-up (dBm) |  |
|             |           | Channel         |           | 37850  | 38000 | 38150  |               |                    |  |
|             |           | Frequency (MHz) |           | 2590   | 2595  | 2610   |               |                    |  |
| 20M         | QPSK      | 1               | 0         | 21.86  | 21.87 | 21.93  | 0             | 23.5               |  |
|             |           | 1               | 50        | 22.11  | 22.10 | 22.14  | 0             | 23.5               |  |
|             |           | 1               | 99        | 21.94  | 21.96 | 22.04  | 0             | 23.5               |  |
|             |           | 50              | 0         | 21.90  | 21.93 | 21.89  | 1             | 23.5               |  |
|             |           | 50              | 25        | 21.92  | 21.95 | 21.99  | 1             | 23.5               |  |
|             |           | 50              | 50        | 21.95  | 21.96 | 22.02  | 1             | 23.5               |  |
|             |           | 100             | 0         | 21.98  | 21.97 | 22.01  | 1             | 23.5               |  |
|             |           | 1               | 0         | 21.55  | 21.57 | 21.65  | 1             | 23.5               |  |
|             |           | 1               | 50        | 21.85  | 21.83 | 21.92  | 1             | 23.5               |  |
|             |           | 1               | 99        | 21.63  | 21.71 | 21.72  | 1             | 23.5               |  |
|             | 16QAM     | 50              | 0         | 21.90  | 21.88 | 21.97  | 2             | 23.5               |  |
|             |           | 50              | 25        | 21.90  | 21.98 | 21.99  | 2             | 23.5               |  |
|             |           | 50              | 50        | 21.91  | 21.92 | 21.98  | 2             | 23.5               |  |
|             |           | 100             | 0         | 22.01  | 22.00 | 22.04  | 2             | 23.5               |  |
|             |           | 1               | 0         | 21.51  | 21.53 | 21.61  | 2             | 23.5               |  |
|             |           | 1               | 50        | 21.86  | 21.89 | 21.85  | 2             | 23.5               |  |
|             | 64QAM     | 1               | 99        | 21.65  | 21.66 | 21.70  | 2             | 23.5               |  |
|             |           | 50              | 0         | 20.89  | 20.88 | 20.94  | 3             | 22.5               |  |
|             |           | 50              | 25        | 20.99  | 21.02 | 20.98  | 3             | 22.5               |  |
|             |           | 50              | 50        | 20.96  | 20.99 | 20.95  | 3             | 22.5               |  |
|             |           | 100             | 0         | 20.91  | 20.90 | 20.94  | 3             | 22.5               |  |
|             |           | 100             | 0         | 20.91  | 20.90 | 20.94  | 3             | 22.5               |  |
| 15M         | QPSK      | Channel         |           | 37925  | 38000 | 38175  | 3GPP MPR      | Max. Tune-up       |  |
|             |           | Frequency (MHz) |           | 2577.5 | 2595  | 2612.5 |               |                    |  |
|             |           | 1               | 0         | 21.81  | 21.79 | 21.89  | 0             | 23.5               |  |
|             |           | 1               | 37        | 22.07  | 22.01 | 22.07  | 0             | 23.5               |  |
|             |           | 1               | 74        | 21.86  | 21.86 | 22.00  | 0             | 23.5               |  |
|             |           | 36              | 0         | 21.87  | 21.89 | 21.79  | 1             | 23.5               |  |
|             |           | 36              | 19        | 21.83  | 21.85 | 21.91  | 1             | 23.5               |  |
|             |           | 36              | 39        | 21.90  | 21.88 | 21.98  | 1             | 23.5               |  |
|             |           | 75              | 0         | 21.94  | 21.88 | 21.94  | 1             | 23.5               |  |
|             | 16QAM     | 1               | 0         | 21.47  | 21.47 | 21.61  | 1             | 23.5               |  |
|             |           | 1               | 37        | 21.81  | 21.73 | 21.89  | 1             | 23.5               |  |
|             |           | 1               | 74        | 21.53  | 21.65 | 21.65  | 1             | 23.5               |  |
|             |           | 36              | 0         | 21.86  | 21.78 | 21.94  | 2             | 23.5               |  |
|             |           | 36              | 19        | 21.80  | 21.92 | 21.92  | 2             | 23.5               |  |
|             |           | 36              | 39        | 21.86  | 21.84 | 21.94  | 2             | 23.5               |  |
|             | 64QAM     | 75              | 0         | 21.97  | 21.91 | 21.97  | 2             | 23.5               |  |
|             |           | 1               | 0         | 21.43  | 21.43 | 21.57  | 2             | 23.5               |  |
|             |           | 1               | 37        | 21.83  | 21.85 | 21.75  | 2             | 23.5               |  |
|             |           | 1               | 74        | 21.58  | 21.56 | 21.62  | 2             | 23.5               |  |
|             |           | 36              | 0         | 20.86  | 20.80 | 20.90  | 3             | 22.5               |  |
|             |           | 36              | 19        | 20.96  | 20.98 | 20.88  | 3             | 22.5               |  |
| 10M         | QPSK      | 36              | 39        | 20.93  | 20.95 | 20.85  | 3             | 22.5               |  |
|             |           | 75              | 0         | 20.87  | 20.81 | 20.87  | 3             | 22.5               |  |
|             |           | Channel         |           | 37900  | 38000 | 38200  | 3GPP MPR      | Max. Tune-up       |  |
|             |           | Frequency (MHz) |           | 2575   | 2595  | 2615   |               |                    |  |
|             |           | 1               | 0         | 21.80  | 21.80 | 21.90  | 0             | 23.5               |  |
|             |           | 1               | 24        | 22.03  | 22.06 | 22.07  | 0             | 23.5               |  |
|             |           | 1               | 49        | 21.85  | 21.89 | 22.00  | 0             | 23.5               |  |
|             |           | 25              | 0         | 21.80  | 21.89 | 21.82  | 1             | 23.5               |  |
|             |           | 25              | 12        | 21.88  | 21.85 | 21.95  | 1             | 23.5               |  |
|             |           | 25              | 25        | 21.85  | 21.88 | 21.92  | 1             | 23.5               |  |
|             | 16QAM     | 50              | 0         | 21.90  | 21.93 | 21.93  | 1             | 23.5               |  |
|             |           | 1               | 0         | 21.46  | 21.50 | 21.61  | 1             | 23.5               |  |
|             |           | 1               | 24        | 21.77  | 21.74 | 21.85  | 1             | 23.5               |  |
|             |           | 1               | 49        | 21.54  | 21.64 | 21.68  | 1             | 23.5               |  |
|             |           | 25              | 0         | 21.80  | 21.84 | 21.89  | 2             | 23.5               |  |
|             |           | 25              | 12        | 21.80  | 21.95 | 21.95  | 2             | 23.5               |  |
|             | 64QAM     | 25              | 25        | 21.85  | 21.85 | 21.88  | 2             | 23.5               |  |
|             |           | 50              | 0         | 21.91  | 21.97 | 22.00  | 2             | 23.5               |  |
|             |           | 1               | 0         | 21.45  | 21.46 | 21.51  | 2             | 23.5               |  |
|             |           | 1               | 24        | 21.78  | 21.85 | 21.80  | 2             | 23.5               |  |
|             |           | 1               | 49        | 21.55  | 21.63 | 21.66  | 2             | 23.5               |  |
|             |           | 25              | 0         | 20.80  | 20.81 | 20.90  | 3             | 22.5               |  |
| 5M          | QPSK      | 25              | 12        | 20.89  | 20.98 | 20.91  | 3             | 22.5               |  |
|             |           | 25              | 25        | 20.92  | 20.89 | 20.91  | 3             | 22.5               |  |
|             |           | 50              | 0         | 20.83  | 20.86 | 20.89  | 3             | 22.5               |  |
|             |           | Channel         |           | 37775  | 38000 | 38225  | 3GPP MPR      | Max. Tune-up       |  |
|             |           | Frequency (MHz) |           | 2572.5 | 2595  | 2617.5 |               |                    |  |
|             |           | 1               | 0         | 21.79  | 21.77 | 21.90  | 0             | 23.5               |  |
|             |           | 1               | 12        | 22.05  | 22.03 | 22.07  | 0             | 23.5               |  |
|             |           | 1               | 24        | 21.84  | 21.93 | 21.97  | 0             | 23.5               |  |
|             |           | 12              | 0         | 21.84  | 21.86 | 21.86  | 1             | 23.5               |  |
|             |           | 12              | 6         | 21.84  | 21.91 | 21.92  | 1             | 23.5               |  |
|             | 16QAM     | 12              | 13        | 21.86  | 21.89 | 21.98  | 1             | 23.5               |  |
|             |           | 25              | 0         | 21.88  | 21.93 | 21.94  | 1             | 23.5               |  |
|             |           | 1               | 0         | 21.51  | 21.47 | 21.61  | 1             | 23.5               |  |
|             |           | 1               | 12        | 21.75  | 21.75 | 21.82  | 1             | 23.5               |  |
|             |           | 1               | 24        | 21.55  | 21.67 | 21.64  | 1             | 23.5               |  |
|             |           | 12              | 0         | 21.81  | 21.81 | 21.93  | 2             | 23.5               |  |
|             | 64QAM     | 12              | 6         | 21.82  | 21.89 | 21.92  | 2             | 23.5               |  |
|             |           | 12              | 13        | 21.82  | 21.85 | 21.94  | 2             | 23.5               |  |
|             |           | 25              | 0         | 21.91  | 21.96 | 21.96  | 2             | 23.5               |  |
|             |           | 1               | 0         | 21.41  | 21.50 | 21.57  | 2             | 23.5               |  |
|             |           | 1               | 12        | 21.80  | 21.82 | 21.75  | 2             | 23.5               |  |
|             |           | 1               | 24        | 21.55  | 21.63 | 21.66  | 2             | 23.5               |  |
| 20M         | QPSK      | 12              | 0         | 20.83  | 20.81 | 20.84  | 3             | 22.5               |  |
|             |           | 12              | 6         | 20.91  | 20.98 | 20.93  | 3             | 22.5               |  |
|             |           | 12              | 13        | 20.86  | 20.96 | 20.91  | 3             | 22.5               |  |
|             |           | 25              | 0         | 20.82  | 20.83 | 20.90  | 3             | 22.5               |  |
|             |           | Channel         |           | 37925  | 38000 | 38175  | 3GPP MPR      | Max. Tune-up       |  |
|             |           | Frequency (MHz) |           | 2577.5 | 2595  | 2612.5 |               |                    |  |
|             |           | 1               | 0         | 21.81  | 21.79 | 21.89  | 0             | 23.5               |  |
|             |           | 1               | 37        | 22.07  | 22.01 | 22.07  | 0             | 23.5               |  |
|             |           | 1               | 74        | 21.86  | 21.86 | 22.00  | 0             | 23.5               |  |
|             |           | 36              | 0         | 21.87  | 21.89 | 21.79  | 1             | 23.5               |  |
|             | 16QAM     | 36              | 19        | 21.83  | 21.85 | 21.91  | 1             | 23.5               |  |
|             |           | 36              | 39        | 21.90  | 21.88 | 21.98  | 1             | 23.5               |  |
|             |           | 75              | 0         | 21.94  | 21.88 | 21.94  | 1             | 23.5               |  |
|             |           | 1               | 0         | 21.47  | 21.47 | 21.61  | 1             | 23.5               |  |
|             |           | 1               | 37        | 21.81  | 21.73 | 21.89  | 1             | 23.5               |  |
|             |           | 1               | 74        | 21.53  | 21.65 | 21.65  | 1             | 23.5               |  |
|             | 64QAM     | 36              | 0         | 21.86  | 21.78 | 21.94  | 2             | 23.5               |  |
|             |           | 36              | 19        | 21.80  | 21.92 | 21.92  | 2             | 23.5               |  |
|             |           | 36              | 39        | 21.86  | 21.84 | 21.94  | 2             | 23.5               |  |
|             |           | 75              | 0         | 21.97  | 21.91 | 21.97  | 2             | 23.5               |  |
|             |           | 1               | 0         | 21.43  | 21.43 | 21.57  | 2             | 23.5               |  |
|             |           | 1               | 37        | 21.83  | 21.85 | 21.75  | 2             | 23.5               |  |

| LTE Band 41 (2496 – 2690MHz) |                 |                 |           |                 |         |        |          |        |               |                    |              |
|------------------------------|-----------------|-----------------|-----------|-----------------|---------|--------|----------|--------|---------------|--------------------|--------------|
| BW                           | MCS Index       | RB Size         | RB Offset | Low             | Low Mid | Mid    | High Mid | High   | 3GPP MPR (dB) | Max. Tune-up (dBm) |              |
|                              |                 | Channel         |           | 39750           | 40185   | 40620  | 41055    | 41490  |               |                    |              |
|                              |                 | Frequency (MHz) |           | 2596            | 2549.5  | 2593   | 2636.5   | 2680   |               |                    |              |
| 20M                          | QPSK            | 1               | 0         | 23.07           | 22.93   | 22.92  | 22.99    | 23.00  | 0             | 24.5               |              |
|                              |                 | 1               | 50        | 23.15           | 23.09   | 23.09  | 23.08    | 23.12  | 0             | 24.5               |              |
|                              |                 | 1               | 99        | 22.94           | 22.83   | 22.83  | 22.82    | 22.86  | 0             | 24.5               |              |
|                              |                 | 50              | 0         | 23.14           | 22.95   | 23.02  | 23.00    | 23.02  | 1             | 24.5               |              |
|                              |                 | 50              | 25        | 23.04           | 22.93   | 22.93  | 22.98    | 22.98  | 1             | 24.5               |              |
|                              |                 | 50              | 50        | 23.12           | 22.91   | 22.99  | 22.97    | 22.94  | 1             | 24.5               |              |
|                              | 16QAM           | 100             | 0         | 23.03           | 22.88   | 22.92  | 22.93    | 22.95  | 1             | 24.5               |              |
|                              |                 | 1               | 0         | 22.83           | 22.68   | 22.66  | 22.66    | 22.70  | 1             | 24.5               |              |
|                              |                 | 1               | 50        | 22.92           | 22.78   | 22.84  | 22.79    | 22.83  | 1             | 24.5               |              |
|                              |                 | 1               | 99        | 22.71           | 22.57   | 22.59  | 22.61    | 22.57  | 1             | 24.5               |              |
|                              |                 | 50              | 0         | 22.09           | 21.86   | 21.96  | 21.94    | 21.96  | 2             | 23.5               |              |
|                              |                 | 50              | 25        | 22.04           | 21.89   | 21.91  | 21.91    | 21.89  | 2             | 23.5               |              |
|                              | 64QAM           | 50              | 50        | 22.02           | 21.82   | 21.89  | 21.90    | 21.89  | 2             | 23.5               |              |
|                              |                 | 100             | 0         | 22.09           | 21.94   | 21.94  | 21.95    | 22.02  | 2             | 23.5               |              |
|                              |                 | 1               | 0         | 21.87           | 21.69   | 21.71  | 21.73    | 21.70  | 2             | 23.5               |              |
|                              |                 | 1               | 50        | 21.91           | 21.76   | 21.81  | 21.86    | 21.85  | 2             | 23.5               |              |
|                              |                 | 1               | 99        | 21.73           | 21.50   | 21.59  | 21.56    | 21.56  | 2             | 23.5               |              |
|                              |                 | 50              | 0         | 21.04           | 20.89   | 20.86  | 20.92    | 20.94  | 3             | 22.5               |              |
|                              | QPSK            | 50              | 25        | 21.01           | 20.81   | 20.86  | 20.92    | 20.86  | 3             | 22.5               |              |
|                              |                 | 50              | 50        | 20.99           | 20.84   | 20.84  | 20.84    | 20.87  | 3             | 22.5               |              |
|                              |                 | 100             | 0         | 21.04           | 20.83   | 20.93  | 20.93    | 20.93  | 3             | 22.5               |              |
|                              |                 | 15M             | MCS Index | Channel         | 39725   | 40173  | 40620    | 41068  | 41515         | 3GPP MPR           | Max. Tune-up |
|                              |                 |                 |           | Frequency (MHz) | 2593.5  | 2548.3 | 2593     | 2637.8 | 2682.5        |                    |              |
|                              |                 |                 | QPSK      | 1               | 0       | 22.99  | 22.89    | 22.84  | 22.97         | 23.01              | 0            |
| 1                            | 37              |                 |           | 23.08           | 23.06   | 23.03  | 23.00    | 23.14  | 0             | 24.5               |              |
| 1                            | 74              |                 |           | 22.84           | 22.82   | 22.79  | 22.76    | 22.88  | 0             | 24.5               |              |
| 36                           | 0               |                 |           | 22.92           | 22.88   | 22.92  | 22.94    | 23.03  | 1             | 24.5               |              |
| 36                           | 19              |                 |           | 23.01           | 22.93   | 22.97  | 22.99    | 23.08  | 1             | 24.5               |              |
| 36                           | 39              |                 |           | 22.86           | 22.84   | 22.97  | 22.92    | 23.10  | 1             | 24.5               |              |
| 16QAM                        | 75              |                 | 0         | 22.94           | 22.84   | 22.89  | 22.90    | 22.98  | 1             | 24.5               |              |
|                              | 1               |                 | 0         | 22.67           | 22.67   | 22.60  | 22.59    | 22.81  | 1             | 24.5               |              |
|                              | 1               |                 | 37        | 22.79           | 22.73   | 22.82  | 22.71    | 22.85  | 1             | 24.5               |              |
|                              | 1               |                 | 74        | 22.51           | 22.55   | 22.56  | 22.59    | 22.67  | 1             | 24.5               |              |
|                              | 36              |                 | 0         | 21.94           | 21.78   | 21.95  | 21.90    | 22.08  | 2             | 23.5               |              |
|                              | 36              |                 | 19        | 21.81           | 21.85   | 21.86  | 21.85    | 21.99  | 2             | 23.5               |              |
| 64QAM                        | 36              |                 | 39        | 21.86           | 21.76   | 21.87  | 21.88    | 22.00  | 2             | 23.5               |              |
|                              | 75              |                 | 0         | 22.01           | 21.89   | 21.86  | 21.87    | 22.03  | 2             | 23.5               |              |
|                              | 1               |                 | 0         | 21.64           | 21.66   | 21.67  | 21.70    | 21.86  | 2             | 23.5               |              |
|                              | 1               |                 | 37        | 21.83           | 21.69   | 21.76  | 21.85    | 21.83  | 2             | 23.5               |              |
|                              | 1               |                 | 74        | 21.50           | 21.42   | 21.57  | 21.50    | 21.72  | 2             | 23.5               |              |
|                              | 36              |                 | 0         | 20.93           | 20.87   | 20.78  | 20.89    | 21.01  | 3             | 22.5               |              |
| QPSK                         | 36              |                 | 19        | 20.79           | 20.73   | 20.80  | 20.91    | 20.97  | 3             | 22.5               |              |
|                              | 36              |                 | 39        | 20.85           | 20.83   | 20.80  | 20.79    | 20.97  | 3             | 22.5               |              |
|                              | 75              |                 | 0         | 20.91           | 20.75   | 20.92  | 20.91    | 21.01  | 3             | 22.5               |              |
|                              | 10M             |                 | MCS Index | Channel         | 39700   | 40160  | 40620    | 41080  | 41540         | 3GPP MPR           | Max. Tune-up |
|                              |                 | Frequency (MHz) |           | 2591            | 2547    | 2593   | 2639     | 2685   |               |                    |              |
|                              |                 | QPSK            | 1         | 0               | 22.92   | 22.89  | 22.87    | 22.92  | 22.99         | 0                  | 24.5         |
| 1                            |                 |                 | 24        | 23.10           | 23.01   | 23.08  | 23.00    | 23.11  | 0             | 24.5               |              |
| 1                            |                 |                 | 49        | 22.78           | 22.79   | 22.78  | 22.80    | 22.86  | 0             | 24.5               |              |
| 25                           |                 |                 | 0         | 22.95           | 22.87   | 22.91  | 22.90    | 23.01  | 1             | 24.5               |              |
| 25                           |                 |                 | 12        | 23.00           | 22.88   | 22.97  | 22.94    | 23.13  | 1             | 24.5               |              |
| 25                           |                 |                 | 25        | 22.88           | 22.83   | 22.97  | 22.96    | 23.07  | 1             | 24.5               |              |
| 16QAM                        |                 | 50              | 0         | 22.94           | 22.86   | 22.84  | 22.88    | 23.01  | 1             | 24.5               |              |
|                              |                 | 1               | 0         | 22.63           | 22.60   | 22.60  | 22.64    | 22.78  | 1             | 24.5               |              |
|                              |                 | 1               | 24        | 22.80           | 22.72   | 22.82  | 22.74    | 22.91  | 1             | 24.5               |              |
|                              |                 | 1               | 49        | 22.55           | 22.50   | 22.54  | 22.59    | 22.63  | 1             | 24.5               |              |
|                              |                 | 25              | 0         | 21.90           | 21.78   | 21.94  | 21.86    | 22.03  | 2             | 23.5               |              |
|                              |                 | 25              | 12        | 21.87           | 21.81   | 21.90  | 21.88    | 21.98  | 2             | 23.5               |              |
| 64QAM                        |                 | 25              | 25        | 21.81           | 21.78   | 21.84  | 21.88    | 21.95  | 2             | 23.5               |              |
|                              |                 | 50              | 0         | 22.00           | 21.86   | 21.93  | 21.89    | 22.01  | 2             | 23.5               |              |
|                              |                 | 1               | 0         | 21.62           | 21.65   | 21.66  | 21.71    | 21.85  | 2             | 23.5               |              |
|                              |                 | 1               | 24        | 21.82           | 21.70   | 21.79  | 21.78    | 21.83  | 2             | 23.5               |              |
|                              |                 | 1               | 49        | 21.54           | 21.43   | 21.54  | 21.54    | 21.67  | 2             | 23.5               |              |
|                              |                 | 25              | 0         | 20.88           | 20.81   | 20.84  | 20.84    | 20.97  | 3             | 22.5               |              |
| 5M                           |                 | QPSK            | 25        | 12              | 20.85   | 20.79  | 20.78    | 20.89  | 20.98         | 3                  | 22.5         |
|                              |                 |                 | 25        | 25              | 20.82   | 20.76  | 20.78    | 20.79  | 20.97         | 3                  | 22.5         |
|                              |                 |                 | 50        | 0               | 20.92   | 20.77  | 20.91    | 20.91  | 20.93         | 3                  | 22.5         |
|                              |                 |                 | MCS Index | Channel         | 39675   | 40148  | 40620    | 41093  | 41565         | 3GPP MPR           | Max. Tune-up |
|                              | Frequency (MHz) |                 |           | 2498.5          | 2545.5  | 2593   | 2640.3   | 2687.5 |               |                    |              |
|                              | QPSK            |                 | 1         | 0               | 22.95   | 22.86  | 22.87    | 22.94  | 23.01         | 0                  | 24.5         |
|                              |                 | 1               | 12        | 23.10           | 23.01   | 23.07  | 23.04    | 23.09  | 0             | 24.5               |              |
|                              |                 | 1               | 24        | 22.81           | 22.75   | 22.82  | 22.74    | 22.88  | 0             | 24.5               |              |
|                              |                 | 12              | 0         | 22.94           | 22.88   | 22.88  | 22.94    | 22.97  | 1             | 24.5               |              |
|                              |                 | 12              | 6         | 22.94           | 22.94   | 22.97  | 22.94    | 23.07  | 1             | 24.5               |              |
|                              |                 | 12              | 13        | 22.90           | 22.86   | 22.98  | 22.90    | 23.06  | 1             | 24.5               |              |
|                              | 16QAM           | 25              | 0         | 22.89           | 22.86   | 22.87  | 22.85    | 23.01  | 1             | 24.5               |              |
|                              |                 | 1               | 0         | 22.63           | 22.63   | 22.64  | 22.58    | 22.78  | 1             | 24.5               |              |
|                              |                 | 1               | 12        | 22.75           | 22.76   | 22.79  | 22.75    | 22.91  | 1             | 24.5               |              |
|                              |                 | 1               | 24        | 22.55           | 22.49   | 22.57  | 22.53    | 22.66  | 1             | 24.5               |              |
|                              |                 | 12              | 0         | 21.88           | 21.80   | 21.88  | 21.90    | 22.07  | 2             | 23.5               |              |
|                              |                 | 12              | 6         | 21.83           | 21.87   | 21.85  | 21.85    | 21.99  | 2             | 23.5               |              |
|                              | 64QAM           | 12              | 13        | 21.82           | 21.77   | 21.87  | 21.89    | 22.00  | 2             | 23.5               |              |
|                              |                 | 25              | 0         | 21.96           | 21.87   | 21.89  | 21.90    | 22.08  | 2             | 23.5               |              |
|                              |                 | 1               | 0         | 21.63           | 21.64   | 21.69  | 21.68    | 21.82  | 2             | 23.5               |              |
|                              |                 | 1               | 12        | 21.77           | 21.74   | 21.75  | 21.85    | 21.86  | 2             | 23.5               |              |
|                              |                 | 1               | 24        | 21.48           | 21.49   | 21.57  | 21.51    | 21.72  | 2             | 23.5               |              |
|                              |                 | 12              | 0         | 20.90           | 20.84   | 20.78  | 20.90    | 21.02  | 3             | 22.5               |              |
|                              | QPSK            | 12              | 6         | 20.78           | 20.80   | 20.84  | 20.87    | 20.96  | 3             | 22.5               |              |
| 12                           |                 | 13              | 20.83     | 20.79           | 20.76   | 20.82  | 20.95    | 3      | 22.5          |                    |              |
| 25                           |                 | 0               | 20.87     | 20.81           | 20.90   | 20.85  | 20.96    | 3      | 22.5          |                    |              |