

Appendix F. Maximum Target Conducted Power

The maximum conducted average power (Unit: dBm) including tune-up tolerance is shown as below.

| GSM Max. Tune-up Power (Full) | | | | |
|--------------------------------------|--|--|--|--|
| Mode | GSM850 | GSM850 | GSM1900 | GSM1900 |
| | Maximum Burst-Averaged Output Power | Maximum Frame-Averaged Output Power | Maximum Burst-Averaged Output Power | Maximum Frame-Averaged Output Power |
| | Maximum Target Power | Maximum Target Power | Maximum Target Power | Maximum Target Power |
| GSM (GMSK, 1Tx-slot) | 32.5 | 23.5 | 29.5 | 20.5 |
| GPRS (GMSK, 1Tx-slot) | 32.5 | 23.5 | 29.5 | 20.5 |
| GPRS (GMSK, 2Tx-slot) | 30.5 | 23.5 | 29.0 | 23.0 |
| GPRS (GMSK, 3Tx-slot) | 29.5 | 23.5 | 28.0 | 23.7 |
| GPRS (GMSK, 4Tx-slot) | 28.5 | 23.5 | 27.0 | 24.0 |
| EDGE (8PSK, 1Tx-slot) | 26.0 | 23.5 | 26.0 | 17.0 |
| EDGE (8PSK, 2Tx-slot) | 25.0 | 23.5 | 25.0 | 19.0 |
| EDGE (8PSK, 3Tx-slot) | 24.0 | 23.5 | 24.0 | 19.7 |
| EDGE (8PSK, 4Tx-slot) | 23.0 | 23.5 | 23.0 | 20.0 |

| WCDMA Max. Tune-up Power (Full) | | |
|--|---------------------------------|-------------------------------------|
| Mode | RMC 12.2K | HSDPA DC-HSDPA HSUPA |
| | Maximum Target Power | Maximum Target Power |
| WCDMA Band II | 24.0 | 23.0 |
| WCDMA Band V | 24.0 | 23.0 |

| LTE Max. Tune-up Power (Full) | | |
|--------------------------------------|-----------------------------|-----------------------------|
| Mode | QPSK | 16QAM |
| | Maximum Target Power | Maximum Target Power |
| LTE 2 | 22.5 | 21.5 |
| LTE 4 | 22.5 | 21.5 |
| LTE 5 | 22.5 | 21.5 |
| LTE 7 | 23.0 | 22.0 |
| LTE 12 | 22.0 | 21.0 |
| LTE 13 | 22.0 | 21.0 |
| LTE 17 | 22.0 | 21.0 |
| LTE 25 | 22.5 | 21.5 |

| WLAN Tune-up Power (Full) | | | | | | | |
|---------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|--------------------------------|
| WLAN2.4GHz | | | | | | | |
| Mode | Channel | Frequency | SISO Ant 0 Max Tune up | SISO Ant 1 Max Tune up | MIMO Ant 0 Tune up | MIMO Ant 1 Tune up | MIMO Ant 0+1 Max Tune up |
| 802.11b | 1 | 2412 | 22.5 | 22.5 | 23.0 | 23.0 | 25.5 |
| | 6 | 2437 | 22.5 | 22.5 | 23.0 | 23.0 | 25.5 |
| | 11 | 2462 | 22.5 | 22.5 | 23.0 | 23.0 | 25.5 |
| 802.11g | 1 | 2412 | 20.0 | 20.0 | 20.0 | 20.0 | 23.0 |
| | 6 | 2437 | 22.5 | 22.5 | 23.0 | 23.0 | 25.5 |
| | 11 | 2462 | 20.0 | 20.0 | 20.0 | 20.0 | 23.0 |
| 802.11n HT20 | 1 | 2412 | 20.0 | 20.0 | 20.0 | 20.0 | 23.0 |
| | 6 | 2437 | 22.5 | 22.5 | 23.0 | 23.0 | 25.5 |
| | 11 | 2462 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| 802.11n HT40 | 3 | 2422 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 6 | 2437 | 20.0 | 20.0 | 19.5 | 19.5 | 22.5 |
| | 9 | 2452 | 16.5 | 16.5 | 16.5 | 16.5 | 19.5 |
| 802.11ac VHT20 | 1 | 2412 | 20.0 | 20.0 | 19.5 | 19.5 | 22.5 |
| | 6 | 2437 | 22.5 | 22.5 | 23.0 | 23.0 | 25.5 |
| | 11 | 2462 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| 802.11ac VHT40 | 3 | 2422 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 6 | 2437 | 20.0 | 20.0 | 19.5 | 19.5 | 22.5 |
| | 9 | 2452 | 16.5 | 16.5 | 16.5 | 16.5 | 19.5 |

| WLAN Tune-up Power (Full) | | | | |
|---------------------------|---------|-----------|--|----------------------|
| Bluetooth | | | | |
| Mode | Channel | Frequency | | Ant 1 Max Tune-up |
| BR / EDR | 0 | 2402 | | 11.0 |
| | 39 | 2441 | | 11.0 |
| | 78 | 2480 | | 11.0 |
| LE | 0 | 2402 | | 1.0 |
| | 19 | 2440 | | 1.0 |
| | 39 | 2480 | | 1.0 |

| WLAN Tune-up Power (Full) | | | | | | | |
|---------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|--------------------------------|
| WLAN 5.2GHz | | | | | | | |
| Mode | Channel | Frequency | SISO Ant 0 Max Tune up | SISO Ant 1 Max Tune up | MIMO Ant 0 Tune up | MIMO Ant 1 Tune up | MIMO Ant 0+1 Max Tune up |
| 802.11a | 36 | 5180 | 17.5 | 17.5 | 17.5 | 17.5 | 20.5 |
| | 40 | 5200 | 17.5 | 17.5 | 17.5 | 17.5 | 20.5 |
| | 44 | 5220 | 17.5 | 17.5 | 17.5 | 17.5 | 20.5 |
| | 48 | 5240 | 17.5 | 17.5 | 17.5 | 17.5 | 20.5 |
| 802.11n HT20 | 36 | 5180 | 17.5 | 17.5 | 17.5 | 17.5 | 20.5 |
| | 40 | 5200 | 17.5 | 17.5 | 17.5 | 17.5 | 20.5 |
| | 44 | 5220 | 17.5 | 17.5 | 17.5 | 17.5 | 20.5 |
| | 48 | 5240 | 17.5 | 17.5 | 17.5 | 17.5 | 20.5 |
| 802.11n HT40 | 38 | 5190 | 17.0 | 17.0 | 17.0 | 17.0 | 20.0 |
| | 46 | 5230 | 17.0 | 17.0 | 17.0 | 17.0 | 20.0 |
| 802.11ac VHT20 | 36 | 5180 | 17.5 | 17.5 | 17.5 | 17.5 | 20.5 |
| | 40 | 5200 | 17.5 | 17.5 | 17.5 | 17.5 | 20.5 |
| | 44 | 5220 | 17.5 | 17.5 | 17.5 | 17.5 | 20.5 |
| | 48 | 5240 | 17.5 | 17.5 | 17.5 | 17.5 | 20.5 |
| 802.11ac VHT40 | 38 | 5190 | 17.0 | 17.0 | 17.0 | 17.0 | 20.0 |
| | 46 | 5230 | 17.0 | 17.0 | 17.0 | 17.0 | 20.0 |
| 802.11ac VHT80 | 42 | 5210 | 17.0 | 17.0 | 17.0 | 17.0 | 20.0 |

| WLAN Tune-up Power (Full) | | | | | | | |
|---------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|--------------------------------|
| WLAN 5.3GHz | | | | | | | |
| Mode | Channel | Frequency | SISO Ant 0 Max Tune up | SISO Ant 1 Max Tune up | MIMO Ant 0 Tune up | MIMO Ant 1 Tune up | MIMO Ant 0+1 Max Tune up |
| 802.11a | 52 | 5260 | 19.5 | 19.5 | 19.5 | 19.5 | 22.5 |
| | 56 | 5280 | 19.5 | 19.5 | 19.5 | 19.5 | 22.5 |
| | 60 | 5300 | 19.5 | 19.5 | 19.5 | 19.5 | 22.5 |
| | 64 | 5320 | 19.5 | 19.5 | 18.5 | 18.5 | 21.5 |
| 802.11n HT20 | 52 | 5260 | 19.5 | 19.5 | 19.5 | 19.5 | 22.5 |
| | 56 | 5280 | 19.5 | 19.5 | 19.5 | 19.5 | 22.5 |
| | 60 | 5300 | 19.5 | 19.5 | 19.5 | 19.5 | 22.5 |
| | 64 | 5320 | 19.5 | 19.5 | 18.5 | 18.5 | 21.5 |
| 802.11n HT40 | 54 | 5270 | 19.0 | 19.0 | 19.0 | 19.0 | 22.0 |
| | 62 | 5310 | 16.0 | 16.0 | 16.0 | 16.0 | 19.0 |
| 802.11ac VHT20 | 52 | 5260 | 19.5 | 19.5 | 19.5 | 19.5 | 22.5 |
| | 56 | 5280 | 19.5 | 19.5 | 19.5 | 19.5 | 22.5 |
| | 60 | 5300 | 19.5 | 19.5 | 19.5 | 19.5 | 22.5 |
| | 64 | 5320 | 19.5 | 19.5 | 18.5 | 18.5 | 21.5 |
| 802.11ac VHT40 | 54 | 5270 | 19.5 | 19.5 | 19.5 | 19.5 | 22.5 |
| | 62 | 5310 | 16.0 | 16.0 | 16.0 | 16.0 | 19.0 |
| 802.11ac VHT80 | 58 | 5290 | 16.0 | 16.0 | 16.0 | 16.0 | 19.0 |

| WLAN Tune-up Power (Full) | | | | | | | |
|---------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|--------------------------------|
| WLAN 5.6GHz | | | | | | | |
| Mode | Channel | Frequency | SISO Ant 0 Max Tune up | SISO Ant 1 Max Tune up | MIMO Ant 0 Tune up | MIMO Ant 1 Tune up | MIMO Ant 0+1 Max Tune up |
| 802.11a | 100 | 5500 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 116 | 5580 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 120 | 5600 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 124 | 5620 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 132 | 5660 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 140 | 5700 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 144 | 5720 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| 802.11n HT20 | 100 | 5500 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 116 | 5580 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 120 | 5600 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 124 | 5620 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 132 | 5660 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 140 | 5700 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 144 | 5720 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| 802.11n HT40 | 102 | 5510 | 16.5 | 16.5 | 16.5 | 16.5 | 19.5 |
| | 110 | 5550 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 118 | 5590 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 126 | 5630 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 134 | 5670 | 16.5 | 16.5 | 16.5 | 16.5 | 19.5 |
| | 142 | 5710 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| 802.11ac VHT20 | 100 | 5500 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 116 | 5580 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 120 | 5600 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 124 | 5620 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 132 | 5660 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 140 | 5700 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 144 | 5720 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| 802.11ac VHT40 | 102 | 5510 | 16.5 | 16.5 | 16.5 | 16.5 | 19.5 |
| | 110 | 5550 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 118 | 5590 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 126 | 5630 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| | 134 | 5670 | 16.5 | 16.5 | 16.5 | 16.5 | 19.5 |
| | 142 | 5710 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |
| 802.11ac VHT80 | 106 | 5530 | 16.5 | 16.5 | 16.5 | 16.5 | 19.5 |
| | 122 | 5610 | 16.5 | 16.5 | 16.5 | 16.5 | 19.5 |
| | 138 | 5690 | 19.0 | 19.0 | 19.5 | 19.5 | 22.5 |

| WLAN Tune-up Power (Full) | | | | | | | |
|---------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|--------------------------------|
| WLAN 5.8GHz | | | | | | | |
| Mode | Channel | Frequency | SISO Ant 0 Max Tune up | SISO Ant 1 Max Tune up | MIMO Ant 0 Tune up | MIMO Ant 1 Tune up | MIMO Ant 0+1 Max Tune up |
| 802.11a | 149 | 5745 | 20.0 | 20.0 | 20.0 | 20.0 | 23.0 |
| | 153 | 5765 | 20.0 | 20.0 | 20.0 | 20.0 | 23.0 |
| | 157 | 5785 | 20.0 | 20.0 | 20.0 | 20.0 | 23.0 |
| | 161 | 5805 | 20.0 | 20.0 | 20.0 | 20.0 | 23.0 |
| | 165 | 5825 | 20.0 | 20.0 | 20.0 | 20.0 | 23.0 |
| 802.11n HT20 | 149 | 5745 | 20.0 | 20.0 | 20.0 | 20.0 | 23.0 |
| | 153 | 5765 | 20.0 | 20.0 | 20.0 | 20.0 | 23.0 |
| | 157 | 5785 | 20.0 | 20.0 | 20.0 | 20.0 | 23.0 |
| | 161 | 5805 | 20.0 | 20.0 | 20.0 | 20.0 | 23.0 |
| | 165 | 5825 | 20.0 | 20.0 | 20.0 | 20.0 | 23.0 |
| 802.11n HT40 | 151 | 5755 | 20.0 | 20.0 | 20.0 | 20.0 | 23.0 |
| | 159 | 5795 | 20.0 | 20.0 | 20.0 | 20.0 | 23.0 |
| 802.11ac VHT20 | 149 | 5745 | 20.0 | 20.0 | 20.0 | 20.0 | 23.0 |
| | 153 | 5765 | 20.0 | 20.0 | 20.0 | 20.0 | 23.0 |
| | 157 | 5785 | 20.0 | 20.0 | 20.0 | 20.0 | 23.0 |
| | 161 | 5805 | 20.0 | 20.0 | 20.0 | 20.0 | 23.0 |
| | 165 | 5825 | 20.0 | 20.0 | 20.0 | 20.0 | 23.0 |
| 802.11ac VHT40 | 151 | 5755 | 20.5 | 20.5 | 20.5 | 20.5 | 23.5 |
| | 159 | 5795 | 20.5 | 20.5 | 20.5 | 20.5 | 23.5 |
| 802.11ac VHT80 | 155 | 5775 | 20.0 | 20.0 | 20.0 | 20.0 | 23.0 |