

## **Appendix F. Maximum Target Conducted Power**

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

| WCDMA Max. Tune-up Power (Full) |                         |                            |
|---------------------------------|-------------------------|----------------------------|
| Mode                            | RMC 12.2K               | HSDPA<br>DC-HSDPA<br>HSUPA |
|                                 | Maximum<br>Target Power | Maximum<br>Target Power    |
| WCDMA Band II Ant 1             | 24.0                    | 23.0                       |
| WCDMA Band V Ant 1              | 24.0                    | 23.0                       |

| LTE Max. Tune-up Power (Full) |                      |                      |                      |                      |
|-------------------------------|----------------------|----------------------|----------------------|----------------------|
| Mode                          | QPSK                 | 16QAM                | 64QAM                | 256QAM               |
|                               | Maximum Target Power | Maximum Target Power | Maximum Target Power | Maximum Target Power |
| LTE 2 Ant 1/2                 | 23.0                 | 22.0                 | 21.0                 | 18.0                 |
| LTE 4 Ant 1/2                 | 24.0                 | 23.0                 | 22.0                 | 19.0                 |
| LTE 5 Ant 1                   | 24.0                 | 23.0                 | 22.0                 | 19.0                 |
| LTE 7 Ant 1/2                 | 24.0                 | 23.0                 | 22.0                 | 19.0                 |
| LTE 12 Ant 1                  | 24.0                 | 23.0                 | 22.0                 | 19.0                 |
| LTE 13 Ant 1                  | 24.0                 | 23.0                 | 22.0                 | 19.0                 |
| LTE 14 Ant 1                  | 24.0                 | 23.0                 | 22.0                 | 19.0                 |
| LTE 17 Ant 1                  | 24.0                 | 23.0                 | 22.0                 | 19.0                 |
| LTE 25 Ant 1                  | 24.0                 | 23.0                 | 22.0                 | 19.0                 |
| LTE 30 Ant 1                  | 23.0                 | 22.0                 | 21.0                 | 18.0                 |
| LTE 38 Ant 1                  | 24.0                 | 23.0                 | 22.0                 | 19.0                 |
| LTE 41 Ant 1                  | 24.0                 | 23.0                 | 22.0                 | 19.0                 |
| LTE 66 Ant 1/2                | 24.0                 | 23.0                 | 22.0                 | 19.0                 |
| LTE 71 Ant 1                  | 24.0                 | 23.0                 | 22.0                 | 19.0                 |

| 5G NR Max. Tune-up Power (Full) |                      |                      |                      |                      |                      |
|---------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| DFT-S Mode                      | PI/2 BPSK            | QPSK                 | 16QAM                | 64QAM                | 256QAM               |
|                                 | Maximum Target Power | Maximum Target Power | Maximum Target Power | Maximum Target Power | Maximum Target Power |
| NR 2 Ant 2                      | 24.0                 | 24.0                 | 23.0                 | 21.5                 | 19.5                 |
| NR 5 Ant 1/2                    | 24.0                 | 24.0                 | 23.0                 | 21.5                 | 19.5                 |
| NR 25 Ant 2                     | 24.0                 | 24.0                 | 23.0                 | 21.5                 | 19.5                 |
| NR 41 Ant 2                     | 24.0                 | 24.0                 | 23.0                 | 21.5                 | 19.5                 |
| NR 66 Ant 1/2                   | 24.0                 | 24.0                 | 23.0                 | 21.5                 | 19.5                 |
| NR 71 Ant 1                     | 24.0                 | 24.0                 | 23.0                 | 21.5                 | 19.5                 |
| NR 77 Ant 2                     | 24.0                 | 24.0                 | 23.0                 | 21.5                 | 19.5                 |

| 5G NR Max. Tune-up Power (Full) |                      |                      |                      |                      |
|---------------------------------|----------------------|----------------------|----------------------|----------------------|
| CP Mode                         | QPSK                 | 16QAM                | 64QAM                | 256QAM               |
|                                 | Maximum Target Power | Maximum Target Power | Maximum Target Power | Maximum Target Power |
| NR 2 Ant 2                      | 22.5                 | 22.0                 | 20.5                 | 17.5                 |
| NR 5 Ant 1/2                    | 22.5                 | 22.0                 | 20.5                 | 17.5                 |
| NR 25 Ant 2                     | 22.5                 | 22.0                 | 20.5                 | 17.5                 |
| NR 41 Ant 2                     | 22.5                 | 22.0                 | 20.5                 | 17.5                 |
| NR 66 Ant 1/2                   | 22.5                 | 22.0                 | 20.5                 | 17.5                 |
| NR 71 Ant 1                     | 22.5                 | 22.0                 | 20.5                 | 17.5                 |
| NR 77 Ant 2                     | 22.5                 | 22.0                 | 20.5                 | 17.5                 |

| LTE Max. Tune-up Power (For EN-DC) |                      |                      |                      |                      |
|------------------------------------|----------------------|----------------------|----------------------|----------------------|
| Mode                               | QPSK                 | 16QAM                | 64QAM                | 256QAM               |
|                                    | Maximum Target Power | Maximum Target Power | Maximum Target Power | Maximum Target Power |
| LTE 2 Ant 1/2                      | 20.0                 | 19.0                 | 18.0                 | 15.0                 |
| LTE 4                              |                      |                      |                      |                      |
| LTE 5 Ant 1                        | 21.0                 | 20.0                 | 19.0                 | 16.0                 |
| LTE 7 Ant 1/2                      | 21.0                 | 20.0                 | 19.0                 | 16.0                 |
| LTE 12 Ant 1                       | 21.0                 | 20.0                 | 19.0                 | 16.0                 |
| LTE 13 Ant 1                       | 21.0                 | 20.0                 | 19.0                 | 16.0                 |
| LTE 14 Ant 1                       |                      |                      |                      |                      |
| LTE 17                             |                      |                      |                      |                      |
| LTE 25                             |                      |                      |                      |                      |
| LTE 30                             |                      |                      |                      |                      |
| LTE 38                             |                      |                      |                      |                      |
| LTE 41                             |                      |                      |                      |                      |
| LTE 66 Ant 1/2                     | 21.0                 | 20.0                 | 19.0                 | 16.0                 |
| LTE 71                             |                      |                      |                      |                      |

| 5G NR Max. Tune-up Power (For EN-DC) |                      |                      |                      |                      |                      |
|--------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| DFT-S Mode                           | PI/2 BPSK            | QPSK                 | 16QAM                | 64QAM                | 256QAM               |
|                                      | Maximum Target Power | Maximum Target Power | Maximum Target Power | Maximum Target Power | Maximum Target Power |
| NR 2 Ant 2                           | 21.0                 | 21.0                 | 20.0                 | 18.5                 | 16.5                 |
| NR 5 Ant 1/2                         | 21.0                 | 21.0                 | 20.0                 | 18.5                 | 16.5                 |
| NR 25 Ant 2                          | 21.0                 | 21.0                 | 20.0                 | 18.5                 | 16.5                 |
| NR 41 Ant 2                          | 21.0                 | 21.0                 | 20.0                 | 18.5                 | 16.5                 |
| NR 66 Ant 1/2                        | 21.0                 | 21.0                 | 20.0                 | 18.5                 | 16.5                 |
| NR 71 Ant 1                          | 21.0                 | 21.0                 | 20.0                 | 18.5                 | 16.5                 |
| NR 77 Ant 2                          | 21.0                 | 21.0                 | 20.0                 | 18.5                 | 16.5                 |

| 5G NR Max. Tune-up Power (For EN-DC) |                      |                      |                      |                      |
|--------------------------------------|----------------------|----------------------|----------------------|----------------------|
| CP Mode                              | QPSK                 | 16QAM                | 64QAM                | 256QAM               |
|                                      | Maximum Target Power | Maximum Target Power | Maximum Target Power | Maximum Target Power |
| NR 2 Ant 2                           | 19.5                 | 19.0                 | 17.5                 | 14.5                 |
| NR 5 Ant 1/2                         | 19.5                 | 19.0                 | 17.5                 | 14.5                 |
| NR 25 Ant 2                          | 19.5                 | 19.0                 | 17.5                 | 14.5                 |
| NR 41 Ant 2                          | 19.5                 | 19.0                 | 17.5                 | 14.5                 |
| NR 66 Ant 1/2                        | 19.5                 | 19.0                 | 17.5                 | 14.5                 |
| NR 71 Ant 1                          | 19.5                 | 19.0                 | 17.5                 | 14.5                 |
| NR 77 Ant 2                          | 19.5                 | 19.0                 | 17.5                 | 14.5                 |

| WLAN Tune-up Power (Full) |         |           |                           |                           |                       |                       |                                |
|---------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|--------------------------------|
| WLAN2.4GHz                |         |           |                           |                           |                       |                       |                                |
| Mode                      | Channel | Frequency | SISO Ant 3<br>Max Tune up | SISO Ant 4<br>Max Tune up | MIMO Ant 3<br>Tune up | MIMO Ant 4<br>Tune up | MIMO Ant<br>3+4<br>Max Tune up |
| 802.11b                   | 1       | 2412      | 10.0                      | 10.0                      |                       |                       |                                |
|                           | 6       | 2437      | 10.0                      | 10.0                      |                       |                       |                                |
|                           | 11      | 2462      | 10.0                      | 10.0                      |                       |                       |                                |
| 802.11g                   | 1       | 2412      | 10.0                      | 10.0                      |                       |                       |                                |
|                           | 6       | 2437      | 10.0                      | 10.0                      |                       |                       |                                |
|                           | 11      | 2462      | 10.0                      | 10.0                      |                       |                       |                                |
| 802.11n HT20              | 1       | 2412      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 6       | 2437      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 11      | 2462      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
| 802.11n HT40              | 3       | 2422      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 6       | 2437      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 9       | 2452      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
| 802.11ac VHT20            | 1       | 2412      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 6       | 2437      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 11      | 2462      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
| 802.11ac VHT40            | 3       | 2422      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 6       | 2437      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 9       | 2452      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
| 802.11ax HE20             | 1       | 2412      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 6       | 2437      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 11      | 2462      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
| 802.11ax HE40             | 3       | 2422      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 6       | 2437      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 9       | 2452      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |

| WLAN Tune-up Power (Full) |         |           |                           |                           |                       |                       |                                |
|---------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|--------------------------------|
| WLAN 5.2GHz               |         |           |                           |                           |                       |                       |                                |
| Mode                      | Channel | Frequency | SISO Ant 3<br>Max Tune up | SISO Ant 4<br>Max Tune up | MIMO Ant 3<br>Tune up | MIMO Ant 4<br>Tune up | MIMO Ant<br>3+4<br>Max Tune up |
| 802.11a                   | 36      | 5180      | 10.0                      | 10.0                      |                       |                       |                                |
|                           | 40      | 5200      | 10.0                      | 10.0                      |                       |                       |                                |
|                           | 44      | 5220      | 10.0                      | 10.0                      |                       |                       |                                |
|                           | 48      | 5240      | 10.0                      | 10.0                      |                       |                       |                                |
| 802.11n HT20              | 36      | 5180      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 40      | 5200      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 44      | 5220      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 48      | 5240      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
| 802.11n HT40              | 38      | 5190      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 46      | 5230      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
| 802.11ac VHT20            | 36      | 5180      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 40      | 5200      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 44      | 5220      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 48      | 5240      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
| 802.11ac VHT40            | 38      | 5190      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 46      | 5230      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
| 802.11ac VHT80            | 42      | 5210      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
| 802.11ax HE20             | 36      | 5180      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 40      | 5200      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 44      | 5220      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 48      | 5240      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
| 802.11ax HE40             | 38      | 5190      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 46      | 5230      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
| 802.11ax HE80             | 42      | 5210      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |

| WLAN Tune-up Power (Full) |         |           |                           |                           |                       |                       |                                |
|---------------------------|---------|-----------|---------------------------|---------------------------|-----------------------|-----------------------|--------------------------------|
| WLAN 5.8GHz               |         |           |                           |                           |                       |                       |                                |
| Mode                      | Channel | Frequency | SISO Ant 3<br>Max Tune up | SISO Ant 4<br>Max Tune up | MIMO Ant 3<br>Tune up | MIMO Ant 4<br>Tune up | MIMO Ant<br>3+4<br>Max Tune up |
| 802.11a                   | 149     | 5745      | 10.0                      | 10.0                      |                       |                       |                                |
|                           | 153     | 5765      | 10.0                      | 10.0                      |                       |                       |                                |
|                           | 157     | 5785      | 10.0                      | 10.0                      |                       |                       |                                |
|                           | 161     | 5805      | 10.0                      | 10.0                      |                       |                       |                                |
|                           | 165     | 5825      | 10.0                      | 10.0                      |                       |                       |                                |
| 802.11n HT20              | 149     | 5745      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 153     | 5765      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 157     | 5785      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 161     | 5805      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 165     | 5825      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
| 802.11n HT40              | 151     | 5755      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 159     | 5795      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
| 802.11ac VHT20            | 149     | 5745      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 153     | 5765      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 157     | 5785      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 161     | 5805      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 165     | 5825      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
| 802.11ac VHT40            | 151     | 5755      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 159     | 5795      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
| 802.11ac VHT80            | 155     | 5775      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
| 802.11ax HE20             | 149     | 5745      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 153     | 5765      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 157     | 5785      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 161     | 5805      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 165     | 5825      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
| 802.11ax HE40             | 151     | 5755      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
|                           | 159     | 5795      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |
| 802.11ax HE80             | 155     | 5775      | 10.0                      | 10.0                      | 10.0                  | 10.0                  | 13.0                           |