



**ANT 0**

| <b>GSM: ant 0 Full Power</b> |                           |              |       |                          |              |       |
|------------------------------|---------------------------|--------------|-------|--------------------------|--------------|-------|
| Band: GSM 850                | Burst Average Power (dBm) |              |       | Frame-Average Power(dBm) |              |       |
| Channel                      | 128                       | 190          | 251   | 128                      | 190          | 251   |
| Frequency (MHz)              | 824.2                     | 836.6        | 848.8 | 824.2                    | 836.6        | 848.8 |
| GSM (GMSK, Voice)            | 33.28                     | <b>33.65</b> | 33.34 | 24.25                    | 24.62        | 24.31 |
| GPRS (GMSK, 1 TX slot)       | 33.28                     | 33.63        | 33.33 | 24.25                    | 24.60        | 24.30 |
| GPRS (GMSK, 2 TX slots)      | 32.24                     | <b>32.62</b> | 32.25 | 26.22                    | <b>26.60</b> | 26.23 |
| GPRS (GMSK, 3 TX slots)      | 29.64                     | 30.04        | 29.61 | 25.38                    | 25.78        | 25.35 |
| GPRS (GMSK, 4 TX slots)      | 27.99                     | 28.40        | 27.91 | 24.98                    | 25.39        | 24.90 |
| EGPRS (8PSK, 1 TX slot)      | 26.95                     | 27.09        | 27.04 | 17.92                    | 18.06        | 18.01 |
| EGPRS (8PSK, 2 TX slots)     | 25.81                     | 26.02        | 25.94 | 19.79                    | 20.00        | 19.92 |
| EGPRS (8PSK, 3 TX slots)     | 23.66                     | 23.79        | 23.76 | 19.40                    | 19.53        | 19.50 |
| EGPRS (8PSK, 4 TX slots)     | 22.15                     | 22.29        | 22.37 | 19.14                    | 19.28        | 19.36 |

| <b>GSM: ant 0 Full Power</b> |                           |              |        |                          |              |        |
|------------------------------|---------------------------|--------------|--------|--------------------------|--------------|--------|
| Band: PCS 1900               | Burst Average Power (dBm) |              |        | Frame-Average Power(dBm) |              |        |
| Channel                      | 512                       | 661          | 810    | 512                      | 661          | 810    |
| Frequency (MHz)              | 1850.2                    | 1880         | 1909.8 | 1850.2                   | 1880         | 1909.8 |
| GSM (GMSK, Voice)            | 29.89                     | <b>30.10</b> | 30.02  | 20.86                    | 21.07        | 20.99  |
| GPRS (GMSK, 1 TX slot)       | 29.89                     | 30.16        | 30.08  | 20.86                    | 21.13        | 21.05  |
| GPRS (GMSK, 2 TX slots)      | 29.10                     | <b>29.34</b> | 29.24  | 23.08                    | <b>23.32</b> | 23.22  |
| GPRS (GMSK, 3 TX slots)      | 27.01                     | 27.31        | 27.16  | 22.75                    | 23.05        | 22.90  |
| GPRS (GMSK, 4 TX slots)      | 25.68                     | 25.96        | 25.91  | 22.67                    | 22.95        | 22.90  |
| EGPRS (8PSK, 1 TX slot)      | 25.99                     | 26.32        | 26.18  | 16.96                    | 17.29        | 17.15  |
| EGPRS (8PSK, 2 TX slots)     | 24.83                     | 25.11        | 25.09  | 18.81                    | 19.09        | 19.07  |
| EGPRS (8PSK, 3 TX slots)     | 22.71                     | 23.04        | 22.97  | 18.45                    | 18.78        | 18.71  |
| EGPRS (8PSK, 4 TX slots)     | 21.45                     | 21.74        | 21.58  | 18.44                    | 18.73        | 18.57  |

| <b>WCDMA: ant 0 Full Power</b> |              |              |       |
|--------------------------------|--------------|--------------|-------|
| WCDMA Average power (dBm)      |              |              |       |
| Band                           | WCDMA Band V |              |       |
| Channel                        | 4132         | 4183         | 4233  |
| Frequency (MHz)                | 826.4        | 836.6        | 846.6 |
| AMR 12.2 kbps                  | 22.67        | 22.83        | 22.72 |
| RMC 12.2 kbps                  | 23.10        | <b>23.21</b> | 23.10 |
| HSDPA Sub-test 1               | 22.32        | 22.40        | 22.32 |
| HSDPA Sub-test 2               | 21.77        | 21.88        | 21.79 |
| HSDPA Sub-test 3               | 21.84        | 21.92        | 21.85 |
| HSDPA Sub-test 4               | 21.79        | 21.87        | 21.81 |
| HSUPA Sub-test 1               | 20.30        | 20.38        | 20.29 |
| HSUPA Sub-test 2               | 20.77        | 20.87        | 20.80 |
| HSUPA Sub-test 3               | 21.31        | 21.40        | 21.29 |
| HSUPA Sub-test 4               | 20.30        | 20.40        | 20.31 |
| HSUPA Sub-test 5               | 22.32        | 22.41        | 22.31 |

| <b>WCDMA: ant 0 Full Power</b> |               |              |        |               |       |              |
|--------------------------------|---------------|--------------|--------|---------------|-------|--------------|
| WCDMA Average power (dBm)      |               |              |        |               |       |              |
| Band                           | WCDMA Band IV |              |        | WCDMA Band II |       |              |
| Channel                        | 1312          | 1413         | 1513   | 9262          | 9400  | 9538         |
| Frequency (MHz)                | 1712.4        | 1732.6       | 1752.6 | 1852.4        | 1880  | 1907.6       |
| AMR 12.2 kbps                  | 22.71         | 22.86        | 22.51  | 22.88         | 23.02 | 23.33        |
| RMC 12.2 kbps                  | 22.68         | <b>22.87</b> | 22.54  | 22.93         | 23.03 | <b>23.38</b> |
| HSDPA Sub-test 1               | 21.72         | 21.89        | 21.54  | 21.96         | 22.05 | 22.40        |
| HSDPA Sub-test 2               | 21.21         | 21.42        | 21.06  | 21.40         | 21.51 | 21.84        |
| HSDPA Sub-test 3               | 21.25         | 21.44        | 21.07  | 21.44         | 21.54 | 21.87        |
| HSDPA Sub-test 4               | 21.27         | 21.41        | 21.05  | 21.41         | 21.50 | 21.90        |
| HSUPA Sub-test 1               | 19.71         | 19.86        | 19.52  | 19.85         | 19.97 | 20.27        |
| HSUPA Sub-test 2               | 20.21         | 20.37        | 20.00  | 20.36         | 20.49 | 20.82        |
| HSUPA Sub-test 3               | 20.69         | 20.85        | 20.50  | 20.89         | 21.00 | 21.28        |
| HSUPA Sub-test 4               | 19.72         | 19.87        | 19.51  | 19.91         | 19.99 | 20.28        |
| HSUPA Sub-test 5               | 21.71         | 21.86        | 21.53  | 21.88         | 21.98 | 22.29        |





# ANT 0

NR n5 part ant 0 Full Power

| NR Band | SCS (KHz)  | Bandwidth (MHz) | RB Allocation | Modulation | Average Power (dBm) |          |        |
|---------|------------|-----------------|---------------|------------|---------------------|----------|--------|
|         |            |                 |               |            | 165800              | 167300   | 168800 |
|         |            |                 |               |            | 829MHz              | 835.5MHz | 844MHz |
| 128g    | DFT BPSK   | 23.08           | 22.98         | 22.89      |                     |          |        |
| 16r1    | DFT BPSK   | 23.01           | 22.92         | 22.85      |                     |          |        |
| 16r2    | DFT BPSK   | 23.00           | 22.93         | 22.77      |                     |          |        |
| 128g    | DFT QPSK   | 23.12           | 23.05         | 22.91      |                     |          |        |
| 16r1    | DFT QPSK   | 22.94           | 22.90         | 22.78      |                     |          |        |
| 16r2    | DFT QPSK   | 22.83           | 22.84         | 22.74      |                     |          |        |
| 128g    | DFT QAM16  | 22.10           | 22.10         | 21.98      |                     |          |        |
| 16r1    | DFT QAM16  | 22.23           | 22.35         | 21.98      |                     |          |        |
| 16r2    | DFT QAM16  | 22.12           | 22.19         | 22.05      |                     |          |        |
| 128g    | DFT QAM64  | 20.73           | 20.84         | 20.46      |                     |          |        |
| 16r1    | DFT QAM64  | 20.53           | 20.50         | 20.35      |                     |          |        |
| 16r2    | DFT QAM64  | 20.33           | 20.43         | 20.21      |                     |          |        |
| 128g    | DFT QAM256 | 18.63           | 18.52         | 18.39      |                     |          |        |
| 16r1    | DFT QAM256 | 18.69           | 18.84         | 18.73      |                     |          |        |
| 16r2    | DFT QAM256 | 18.77           | 18.43         | 18.69      |                     |          |        |
| 128g    | CP QPSK    | 21.99           | 21.49         | 21.41      |                     |          |        |
| 16r1    | CP QPSK    | 21.73           | 21.54         | 21.53      |                     |          |        |
| 16r2    | CP QPSK    | 21.55           | 21.51         | 21.62      |                     |          |        |
| 128g    | CP QAM16   | 21.19           | 21.01         | 20.97      |                     |          |        |
| 16r1    | CP QAM16   | 21.45           | 21.03         | 20.71      |                     |          |        |
| 16r2    | CP QAM16   | 20.69           | 21.08         | 20.69      |                     |          |        |
| 128g    | CP QAM64   | 19.56           | 19.49         | 19.35      |                     |          |        |
| 16r1    | CP QAM64   | 19.77           | 19.61         | 19.61      |                     |          |        |
| 16r2    | CP QAM64   | 19.57           | 19.63         | 19.58      |                     |          |        |
| 128g    | CP QAM256  | 16.84           | 16.28         | 16.36      |                     |          |        |
| 16r1    | CP QAM256  | 16.84           | 16.28         | 16.19      |                     |          |        |
| 16r2    | CP QAM256  | 16.80           | 16.78         | 16.72      |                     |          |        |

  

| NR Band | SCS (KHz)  | Bandwidth (MHz) | RB Allocation | Modulation | Average Power (dBm) |          |          |
|---------|------------|-----------------|---------------|------------|---------------------|----------|----------|
|         |            |                 |               |            | 168300              | 167300   | 168300   |
|         |            |                 |               |            | 831.5MHz            | 838.5MHz | 841.5MHz |
| 188g    | DFT BPSK   | 23.00           | 22.91         | 22.88      |                     |          |          |
| 16r1    | DFT BPSK   | 22.94           | 22.87         | 22.95      |                     |          |          |
| 16r3    | DFT BPSK   | 22.94           | 22.80         | 22.91      |                     |          |          |
| 188g    | DFT QPSK   | 22.95           | 22.98         | 22.90      |                     |          |          |
| 16r1    | DFT QPSK   | 22.85           | 22.83         | 22.90      |                     |          |          |
| 16r3    | DFT QPSK   | 22.82           | 22.64         | 22.69      |                     |          |          |
| 188g    | DFT QAM16  | 22.10           | 22.05         | 21.94      |                     |          |          |
| 16r1    | DFT QAM16  | 22.07           | 22.08         | 22.13      |                     |          |          |
| 16r3    | DFT QAM16  | 22.27           | 21.84         | 22.18      |                     |          |          |
| 188g    | DFT QAM64  | 20.25           | 20.45         | 20.54      |                     |          |          |
| 16r1    | DFT QAM64  | 20.35           | 20.38         | 20.92      |                     |          |          |
| 16r3    | DFT QAM64  | 20.36           | 20.17         | 20.74      |                     |          |          |
| 188g    | DFT QAM256 | 18.54           | 18.46         | 18.44      |                     |          |          |
| 16r1    | DFT QAM256 | 18.56           | 18.71         | 18.46      |                     |          |          |
| 16r3    | DFT QAM256 | 18.42           | 18.42         | 18.32      |                     |          |          |
| 188g    | CP QPSK    | 21.45           | 21.41         | 21.37      |                     |          |          |
| 16r1    | CP QPSK    | 21.59           | 21.52         | 21.77      |                     |          |          |
| 16r3    | CP QPSK    | 21.59           | 21.46         | 21.37      |                     |          |          |
| 188g    | CP QAM16   | 21.16           | 21.13         | 21.00      |                     |          |          |
| 16r1    | CP QAM16   | 20.60           | 21.30         | 21.04      |                     |          |          |
| 16r3    | CP QAM16   | 20.66           | 20.58         | 20.95      |                     |          |          |
| 188g    | CP QAM64   | 19.59           | 19.56         | 19.55      |                     |          |          |
| 16r1    | CP QAM64   | 19.45           | 19.60         | 19.44      |                     |          |          |
| 16r3    | CP QAM64   | 19.63           | 19.30         | 19.53      |                     |          |          |
| 188g    | CP QAM256  | 16.61           | 16.52         | 16.47      |                     |          |          |
| 16r1    | CP QAM256  | 16.26           | 16.28         | 16.27      |                     |          |          |
| 16r3    | CP QAM256  | 16.26           | 16.06         | 16.58      |                     |          |          |

  

| NR Band | SCS (KHz)  | Bandwidth (MHz) | RB Allocation | Modulation | Average Power (dBm) |          |        |
|---------|------------|-----------------|---------------|------------|---------------------|----------|--------|
|         |            |                 |               |            | 166000              | 167000   | 167000 |
|         |            |                 |               |            | 834MHz              | 835.5MHz | 839MHz |
| 25a12   | DFT BPSK   | 23.03           | 23.14         | 22.97      |                     |          |        |
| 16r1    | DFT BPSK   | 22.94           | 22.95         | 22.95      |                     |          |        |
| 16r4    | DFT BPSK   | 22.70           | 22.85         | 22.74      |                     |          |        |
| 25a12   | DFT QPSK   | 23.03           | 23.06         | 22.98      |                     |          |        |
| 16r1    | DFT QPSK   | 22.77           | 22.84         | 22.72      |                     |          |        |
| 16r4    | DFT QPSK   | 22.63           | 22.70         | 22.60      |                     |          |        |
| 25a12   | DFT QAM16  | 22.06           | 22.02         | 22.00      |                     |          |        |
| 16r1    | DFT QAM16  | 22.07           | 22.19         | 21.94      |                     |          |        |
| 16r4    | DFT QAM16  | 21.85           | 22.03         | 21.88      |                     |          |        |
| 25a12   | DFT QAM64  | 20.57           | 20.50         | 20.50      |                     |          |        |
| 16r1    | DFT QAM64  | 20.40           | 20.44         | 20.42      |                     |          |        |
| 16r4    | DFT QAM64  | 20.32           | 20.19         | 20.18      |                     |          |        |
| 25a12   | DFT QAM256 | 18.52           | 18.42         | 18.55      |                     |          |        |
| 16r1    | DFT QAM256 | 18.46           | 18.79         | 18.70      |                     |          |        |
| 16r4    | DFT QAM256 | 18.56           | 18.24         | 18.54      |                     |          |        |
| 25a12   | CP QPSK    | 21.49           | 21.42         | 21.43      |                     |          |        |
| 16r1    | CP QPSK    | 21.59           | 21.68         | 21.53      |                     |          |        |
| 16r4    | CP QPSK    | 21.41           | 21.25         | 21.43      |                     |          |        |
| 25a12   | CP QAM16   | 20.97           | 20.92         | 20.90      |                     |          |        |
| 16r1    | CP QAM16   | 20.79           | 20.74         | 20.93      |                     |          |        |
| 16r4    | CP QAM16   | 21.13           | 20.54         | 20.56      |                     |          |        |
| 25a12   | CP QAM64   | 19.54           | 19.54         | 19.45      |                     |          |        |
| 16r1    | CP QAM64   | 19.65           | 19.84         | 19.61      |                     |          |        |
| 16r4    | CP QAM64   | 19.47           | 19.43         | 19.53      |                     |          |        |
| 25a12   | CP QAM256  | 16.56           | 16.54         | 16.46      |                     |          |        |
| 16r1    | CP QAM256  | 16.78           | 16.25         | 16.19      |                     |          |        |
| 16r4    | CP QAM256  | 16.59           | 16.55         | 16.58      |                     |          |        |

NR n12 part ant 0 Full Power

| NR Band | SCS (KHz)  | Bandwidth (MHz) | RB Allocation | Modulation | Average Power (dBm) |          |        |
|---------|------------|-----------------|---------------|------------|---------------------|----------|--------|
|         |            |                 |               |            | 148000              | 141500   | 142200 |
|         |            |                 |               |            | 704MHz              | 707.5MHz | 711MHz |
| 128g    | DFT BPSK   | 22.84           | 22.84         | 22.78      |                     |          |        |
| 16r1    | DFT BPSK   | 22.82           | 22.87         | 22.85      |                     |          |        |
| 16r2    | DFT BPSK   | 22.91           | 22.72         | 22.72      |                     |          |        |
| 128g    | DFT QPSK   | 22.85           | 22.90         | 22.91      |                     |          |        |
| 16r1    | DFT QPSK   | 22.85           | 22.66         | 22.78      |                     |          |        |
| 16r2    | DFT QPSK   | 22.81           | 22.73         | 22.71      |                     |          |        |
| 128g    | DFT QAM16  | 21.99           | 21.99         | 21.85      |                     |          |        |
| 16r1    | DFT QAM16  | 21.61           | 21.59         | 22.10      |                     |          |        |
| 16r2    | DFT QAM16  | 21.99           | 21.59         | 21.56      |                     |          |        |
| 128g    | DFT QAM64  | 20.35           | 20.34         | 20.23      |                     |          |        |
| 16r1    | DFT QAM64  | 20.22           | 20.19         | 20.26      |                     |          |        |
| 16r2    | DFT QAM64  | 20.26           | 20.19         | 20.17      |                     |          |        |
| 128g    | DFT QAM256 | 18.41           | 18.44         | 18.37      |                     |          |        |
| 16r1    | DFT QAM256 | 18.55           | 18.66         | 18.08      |                     |          |        |
| 16r2    | DFT QAM256 | 18.16           | 18.63         | 18.08      |                     |          |        |
| 128g    | CP QPSK    | 21.35           | 21.37         | 21.34      |                     |          |        |
| 16r1    | CP QPSK    | 21.20           | 21.21         | 21.25      |                     |          |        |
| 16r2    | CP QPSK    | 21.19           | 21.15         | 21.19      |                     |          |        |
| 128g    | CP QAM16   | 20.85           | 20.92         | 20.88      |                     |          |        |
| 16r1    | CP QAM16   | 20.88           | 20.69         | 20.95      |                     |          |        |
| 16r2    | CP QAM16   | 20.95           | 20.73         | 20.90      |                     |          |        |
| 128g    | CP QAM64   | 19.30           | 19.45         | 19.23      |                     |          |        |
| 16r1    | CP QAM64   | 19.36           | 19.69         | 19.69      |                     |          |        |
| 16r2    | CP QAM64   | 19.70           | 19.62         | 19.39      |                     |          |        |
| 128g    | CP QAM256  | 16.47           | 16.40         | 16.38      |                     |          |        |
| 16r1    | CP QAM256  | 16.45           | 16.39         | 16.45      |                     |          |        |
| 16r2    | CP QAM256  | 16.69           | 16.39         | 16.57      |                     |          |        |

  

| NR Band | SCS (KHz)  | Bandwidth (MHz) | RB Allocation | Modulation | Average Power (dBm) |          |          |
|---------|------------|-----------------|---------------|------------|---------------------|----------|----------|
|         |            |                 |               |            | 141300              | 141500   | 141700   |
|         |            |                 |               |            | 706.5MHz            | 707.5MHz | 708.5MHz |
| 16r2    | DFT BPSK   | 22.81           | 22.77         | 22.82      |                     |          |          |
| 16r1    | DFT BPSK   | 22.75           | 22.71         | 22.81      |                     |          |          |
| 16r3    | DFT BPSK   | 22.79           | 22.76         | 22.78      |                     |          |          |
| 16r2    | DFT QPSK   | 22.85           | 22.89         | 22.94      |                     |          |          |
| 16r1    | DFT QPSK   | 22.69           | 22.72         | 22.76      |                     |          |          |
| 16r3    | DFT QPSK   | 22.59           | 22.67         | 22.65      |                     |          |          |
| 16r2    | DFT QAM16  | 21.91           | 21.91         | 21.96      |                     |          |          |
| 16r1    | DFT QAM16  | 21.86           | 21.81         | 21.51      |                     |          |          |
| 16r3    | DFT QAM16  | 21.50           | 21.88         | 21.87      |                     |          |          |
| 16r2    | DFT QAM64  | 20.29           | 20.38         | 20.36      |                     |          |          |
| 16r1    | DFT QAM64  | 20.38           | 20.17         | 20.98      |                     |          |          |
| 16r3    | DFT QAM64  | 20.36           | 20.13         | 20.12      |                     |          |          |
| 16r2    | DFT QAM256 | 18.36           | 18.36         | 18.29      |                     |          |          |
| 16r1    | DFT QAM256 | 18.65           | 18.09         | 18.60      |                     |          |          |
| 16r3    | DFT QAM256 | 18.08           | 18.65         | 18.09      |                     |          |          |
| 16r2    | CP QPSK    | 21.34           | 21.43         | 21.41      |                     |          |          |
| 16r1    | CP QPSK    | 21.22           | 21.24         | 21.27      |                     |          |          |
| 16r3    | CP QPSK    | 21.09           | 21.12         | 21.18      |                     |          |          |
| 16r2    | CP QAM16   | 20.78           | 20.83         | 20.76      |                     |          |          |
| 16r1    | CP QAM16   | 20.83           | 20.92         | 21.00      |                     |          |          |
| 16r3    | CP QAM16   | 20.75           | 20.93         | 20.90      |                     |          |          |
| 16r2    | CP QAM64   | 19.20           | 19.25         | 19.26      |                     |          |          |
| 16r1    | CP QAM64   | 19.34           | 19.47         | 19.55      |                     |          |          |
| 16r3    | CP QAM64   | 19.32           | 19.53         | 19.54      |                     |          |          |
| 16r2    | CP QAM256  | 16.27           | 16.33         | 16.20      |                     |          |          |
| 16r1    | CP QAM256  | 16.43           | 16.48         | 16.43      |                     |          |          |
| 16r3    | CP QAM256  | 16.39           | 16.46         | 16.48      |                     |          |          |

NR n66 part ant 0 Full Power

| NR Band | SCS (KHz)  | Bandwidth (MHz) | RB Allocation | Modulation | Average Power (dBm) |         |         |
|---------|------------|-----------------|---------------|------------|---------------------|---------|---------|
|         |            |                 |               |            | 343000              | 349000  | 359000  |
|         |            |                 |               |            | 1730MHz             | 1745MHz | 1770MHz |
| 128g    | DFT BPSK   | 23.07           | 22.96         | 22.88      |                     |         |         |
| 16r1    | DFT BPSK   | 22.92           | 22.88         | 22.74      |                     |         |         |
| 16r2    | DFT BPSK   | 22.91           | 22.87         | 22.78      |                     |         |         |
| 128g    | DFT QPSK   | 23.08           | 22.95         | 22.90      |                     |         |         |
| 16r1    | DFT QPSK   | 22.92           | 22.80         | 22.65      |                     |         |         |
| 16r2    | DFT QPSK   | 22.86           | 22.79         | 22.64      |                     |         |         |
| 128g    | DFT QAM16  | 22.17           | 22.06         | 21.90      |                     |         |         |
| 16r1    | DFT QAM16  | 22.18           | 22.03         | 22.04      |                     |         |         |
| 16r2    | DFT QAM16  | 22.22           | 22.07         | 22.06      |                     |         |         |
| 128g    | DFT QAM64  | 20.52           | 20.40         | 20.38      |                     |         |         |
| 16r1    | DFT QAM64  | 20.54           | 20.19         | 20.34      |                     |         |         |
| 16r2    | DFT QAM64  | 20.87           | 20.85         | 20.95      |                     |         |         |
| 128g    | DFT QAM256 | 18.58           | 18.33         | 18.42      |                     |         |         |
| 16r1    | DFT QAM256 | 18.12           | 18.08         | 17.87      |                     |         |         |
| 16r2    | DFT QAM256 | 18.42           | 18.03         | 17.87      |                     |         |         |
| 128g    | CP QPSK    | 21.54           | 21.45         | 21.57      |                     |         |         |
| 16r1    | CP QPSK    | 21.45           | 21.38         | 21.12      |                     |         |         |
| 16r2    | CP QPSK    | 21.60           | 21.28         | 21.11      |                     |         |         |
| 128g    | CP QAM16   | 21.17           | 21.07         | 21.04      |                     |         |         |
| 16r1    | CP QAM16   | 20.88           | 20.97         | 20.56      |                     |         |         |
| 16r2    | CP QAM16   | 20.97           | 20.93         | 20.63      |                     |         |         |
| 128g    | CP QAM64   | 19.44           | 19.42         | 19.35      |                     |         |         |
| 16r1    | CP QAM64   | 19.81           | 19.63         | 19.22      |                     |         |         |
| 16r2    | CP QAM64   | 19.81           | 19.51         | 19.65      |                     |         |         |
| 128g    | CP QAM256  | 16.43           | 16.40         | 16.34      |                     |         |         |
| 16r1    | CP QAM256  | 17.12           | 16.68         | 16.60      |                     |         |         |
| 16r2    | CP QAM256  | 17.11           | 16.67         | 16.68      |                     |         |         |

  

| NR Band | SCS (KHz)  | Bandwidth (MHz) | RB Allocation | Modulation | Average Power (dBm) |         |           |
|---------|------------|-----------------|---------------|------------|---------------------|---------|-----------|
|         |            |                 |               |            | 346000              | 349000  | 354000    |
|         |            |                 |               |            | 1717.5MHz           | 1745MHz | 1772.5MHz |
| 188g    | DFT BPSK   | 23.04           | 22.90         | 22.90      |                     |         |           |
| 16r1    | DFT BPSK   | 22.96           | 22.91         | 22.78      |                     |         |           |
| 16r3    | DFT BPSK   | 22.99           | 22.83         | 22.80      |                     |         |           |
| 188g    | DFT QPSK   | 23.12           | 22.89         | 22.93      |                     |         |           |
| 16r1    | DFT QPSK   | 22.96           | 22.74         | 22.69      |                     |         |           |
| 16r3    | DFT QPSK   | 22.84           | 22.84         | 22.68      |                     |         |           |
| 188g    | DFT QAM16  | 22.60           | 21.91         | 21.85      |                     |         |           |
| 16r1    | DFT QAM16  | 22.15           | 21.59         | 21.81      |                     |         |           |
| 16r3    | DFT QAM16  | 22.12           | 21.96         | 21.87      |                     |         |           |
| 188g    | DFT QAM64  | 20.63           | 20.39         | 20.31      |                     |         |           |
| 16r1    | DFT QAM64  | 20.69           | 20.69         | 20.63      |                     |         |           |
| 16r3    | DFT QAM64  | 20.85           | 20.68         | 20.47      |                     |         |           |
| 188g    | DFT QAM256 | 18.65           | 18.21         | 18.31      |                     |         |           |
| 16r1    | DFT QAM256 | 18.51           | 18.60         | 18.18      |                     |         |           |
| 16r3    | DFT QAM256 | 17.99           | 18.23         | 17.83      |                     |         |           |
| 188g    | CP QPSK    | 21.85           | 21.51         | 21.51      |                     |         |           |
| 16r1    | CP QPSK    | 21.65           | 21.59         | 21.68      |                     |         |           |
| 16r3    | CP QPSK    | 21.41           | 21.27         | 21.08      |                     |         |           |
| 188g    | CP QAM16   | 21.14           | 21.02         | 20.93      |                     |         |           |
| 16r1    | CP QAM16   | 21.15           | 21.59         | 21.07      |                     |         |           |
| 16r3    | CP QAM16   | 21.14           | 21.11         | 20.95      |                     |         |           |
| 188g    | CP QAM64   | 19.37           | 19.51         | 19.16      |                     |         |           |
| 16r1    | CP QAM64   | 19.62           | 19.69         | 19.17      |                     |         |           |
| 16r3    | CP QAM64   | 19.54           | 19.03         | 19.06      |                     |         |           |
| 188g    | CP QAM256  | 16.61           | 16.44         | 16.31      |                     |         |           |
| 16r1    | CP QAM256  | 16.73           | 16.65         | 16.68      |                     |         |           |
| 16r3    | CP QAM256  | 16.70           | 16.65         | 16.66      |                     |         |           |

  

| NR Band | SCS (KHz) | Bandwidth (MHz) | RB Allocation | Modulation | Average Power (dBm) |         |         |
|---------|-----------|-----------------|---------------|------------|---------------------|---------|---------|
|         |           |                 |               |            | 346000              | 349000  | 350000  |
|         |           |                 |               |            | 1730MHz             | 1745MHz | 1760MHz |
| 50a25   | DFT BPSK  | 22.93           | 22.91         | 22.89      |                     |         |         |
| 16r1    | DFT BPSK  | 22.52           | 22.48         | 22.49      |                     |         |         |
| 16r104  | DFT BPSK  | 22.37           | 22.38         | 22.35      |                     |         |         |
| 50a25   | DFT QPSK  | 22.96           | 22.91         | 22.88      |                     |         |         |
| 16r1    | DFT QPSK  | 22.38           | 22.38         | 22.28      |                     |         |         |
| 16r104  | DFT QPSK  |                 |               |            |                     |         |         |





ANT 4

| Item No. | Item Name | Quantity | Unit | Rate | Total | Remarks |
|----------|-----------|----------|------|------|-------|---------|
| 1        | ...       | ...      | ...  | ...  | ...   | ...     |
| 2        | ...       | ...      | ...  | ...  | ...   | ...     |
| 3        | ...       | ...      | ...  | ...  | ...   | ...     |
| 4        | ...       | ...      | ...  | ...  | ...   | ...     |
| 5        | ...       | ...      | ...  | ...  | ...   | ...     |
| 6        | ...       | ...      | ...  | ...  | ...   | ...     |
| 7        | ...       | ...      | ...  | ...  | ...   | ...     |
| 8        | ...       | ...      | ...  | ...  | ...   | ...     |
| 9        | ...       | ...      | ...  | ...  | ...   | ...     |
| 10       | ...       | ...      | ...  | ...  | ...   | ...     |
| 11       | ...       | ...      | ...  | ...  | ...   | ...     |
| 12       | ...       | ...      | ...  | ...  | ...   | ...     |
| 13       | ...       | ...      | ...  | ...  | ...   | ...     |
| 14       | ...       | ...      | ...  | ...  | ...   | ...     |
| 15       | ...       | ...      | ...  | ...  | ...   | ...     |
| 16       | ...       | ...      | ...  | ...  | ...   | ...     |
| 17       | ...       | ...      | ...  | ...  | ...   | ...     |
| 18       | ...       | ...      | ...  | ...  | ...   | ...     |
| 19       | ...       | ...      | ...  | ...  | ...   | ...     |
| 20       | ...       | ...      | ...  | ...  | ...   | ...     |
| 21       | ...       | ...      | ...  | ...  | ...   | ...     |
| 22       | ...       | ...      | ...  | ...  | ...   | ...     |
| 23       | ...       | ...      | ...  | ...  | ...   | ...     |
| 24       | ...       | ...      | ...  | ...  | ...   | ...     |
| 25       | ...       | ...      | ...  | ...  | ...   | ...     |
| 26       | ...       | ...      | ...  | ...  | ...   | ...     |
| 27       | ...       | ...      | ...  | ...  | ...   | ...     |
| 28       | ...       | ...      | ...  | ...  | ...   | ...     |
| 29       | ...       | ...      | ...  | ...  | ...   | ...     |
| 30       | ...       | ...      | ...  | ...  | ...   | ...     |
| 31       | ...       | ...      | ...  | ...  | ...   | ...     |
| 32       | ...       | ...      | ...  | ...  | ...   | ...     |
| 33       | ...       | ...      | ...  | ...  | ...   | ...     |
| 34       | ...       | ...      | ...  | ...  | ...   | ...     |
| 35       | ...       | ...      | ...  | ...  | ...   | ...     |
| 36       | ...       | ...      | ...  | ...  | ...   | ...     |
| 37       | ...       | ...      | ...  | ...  | ...   | ...     |
| 38       | ...       | ...      | ...  | ...  | ...   | ...     |
| 39       | ...       | ...      | ...  | ...  | ...   | ...     |
| 40       | ...       | ...      | ...  | ...  | ...   | ...     |
| 41       | ...       | ...      | ...  | ...  | ...   | ...     |
| 42       | ...       | ...      | ...  | ...  | ...   | ...     |
| 43       | ...       | ...      | ...  | ...  | ...   | ...     |
| 44       | ...       | ...      | ...  | ...  | ...   | ...     |
| 45       | ...       | ...      | ...  | ...  | ...   | ...     |
| 46       | ...       | ...      | ...  | ...  | ...   | ...     |
| 47       | ...       | ...      | ...  | ...  | ...   | ...     |
| 48       | ...       | ...      | ...  | ...  | ...   | ...     |
| 49       | ...       | ...      | ...  | ...  | ...   | ...     |
| 50       | ...       | ...      | ...  | ...  | ...   | ...     |
| 51       | ...       | ...      | ...  | ...  | ...   | ...     |
| 52       | ...       | ...      | ...  | ...  | ...   | ...     |
| 53       | ...       | ...      | ...  | ...  | ...   | ...     |
| 54       | ...       | ...      | ...  | ...  | ...   | ...     |
| 55       | ...       | ...      | ...  | ...  | ...   | ...     |
| 56       | ...       | ...      | ...  | ...  | ...   | ...     |
| 57       | ...       | ...      | ...  | ...  | ...   | ...     |
| 58       | ...       | ...      | ...  | ...  | ...   | ...     |
| 59       | ...       | ...      | ...  | ...  | ...   | ...     |
| 60       | ...       | ...      | ...  | ...  | ...   | ...     |
| 61       | ...       | ...      | ...  | ...  | ...   | ...     |
| 62       | ...       | ...      | ...  | ...  | ...   | ...     |
| 63       | ...       | ...      | ...  | ...  | ...   | ...     |
| 64       | ...       | ...      | ...  | ...  | ...   | ...     |
| 65       | ...       | ...      | ...  | ...  | ...   | ...     |
| 66       | ...       | ...      | ...  | ...  | ...   | ...     |
| 67       | ...       | ...      | ...  | ...  | ...   | ...     |
| 68       | ...       | ...      | ...  | ...  | ...   | ...     |
| 69       | ...       | ...      | ...  | ...  | ...   | ...     |
| 70       | ...       | ...      | ...  | ...  | ...   | ...     |
| 71       | ...       | ...      | ...  | ...  | ...   | ...     |
| 72       | ...       | ...      | ...  | ...  | ...   | ...     |
| 73       | ...       | ...      | ...  | ...  | ...   | ...     |
| 74       | ...       | ...      | ...  | ...  | ...   | ...     |
| 75       | ...       | ...      | ...  | ...  | ...   | ...     |
| 76       | ...       | ...      | ...  | ...  | ...   | ...     |
| 77       | ...       | ...      | ...  | ...  | ...   | ...     |
| 78       | ...       | ...      | ...  | ...  | ...   | ...     |
| 79       | ...       | ...      | ...  | ...  | ...   | ...     |
| 80       | ...       | ...      | ...  | ...  | ...   | ...     |
| 81       | ...       | ...      | ...  | ...  | ...   | ...     |
| 82       | ...       | ...      | ...  | ...  | ...   | ...     |
| 83       | ...       | ...      | ...  | ...  | ...   | ...     |
| 84       | ...       | ...      | ...  | ...  | ...   | ...     |
| 85       | ...       | ...      | ...  | ...  | ...   | ...     |
| 86       | ...       | ...      | ...  | ...  | ...   | ...     |
| 87       | ...       | ...      | ...  | ...  | ...   | ...     |
| 88       | ...       | ...      | ...  | ...  | ...   | ...     |
| 89       | ...       | ...      | ...  | ...  | ...   | ...     |
| 90       | ...       | ...      | ...  | ...  | ...   | ...     |
| 91       | ...       | ...      | ...  | ...  | ...   | ...     |
| 92       | ...       | ...      | ...  | ...  | ...   | ...     |
| 93       | ...       | ...      | ...  | ...  | ...   | ...     |
| 94       | ...       | ...      | ...  | ...  | ...   | ...     |
| 95       | ...       | ...      | ...  | ...  | ...   | ...     |
| 96       | ...       | ...      | ...  | ...  | ...   | ...     |
| 97       | ...       | ...      | ...  | ...  | ...   | ...     |
| 98       | ...       | ...      | ...  | ...  | ...   | ...     |
| 99       | ...       | ...      | ...  | ...  | ...   | ...     |
| 100      | ...       | ...      | ...  | ...  | ...   | ...     |



# ANT 5

### LTE Band 7 part ant 5 ENDC Power

| LTE Band | Bandwidth (MHz) | Modulation | RB Size | RB Offset | Average Power (dBm) |       |       |
|----------|-----------------|------------|---------|-----------|---------------------|-------|-------|
|          |                 |            |         |           | 20775               | 21100 | 21425 |
| Band 7   | 5               | QPSK       | 1       | 0         | 21.90               | 20.95 | 20.96 |
|          |                 |            | 1       | 12        | 21.93               | 20.98 | 20.99 |
|          |                 |            | 1       | 24        | 21.96               | 21.00 | 21.01 |
|          |                 |            | 1       | 36        | 21.97               | 21.00 | 21.00 |
|          |                 |            | 12      | 0         | 20.88               | 19.92 | 19.88 |
|          |                 |            | 12      | 12        | 20.89               | 19.96 | 19.96 |
|          |                 |            | 12      | 24        | 20.91               | 19.94 | 19.95 |
|          |                 |            | 12      | 36        | 20.91               | 19.94 | 19.95 |
|          |                 |            | 1       | 0         | 21.00               | 19.99 | 20.11 |
|          |                 |            | 1       | 12        | 20.94               | 19.98 | 20.16 |
|          |                 | 1          | 24      | 20.97     | 20.02               | 20.21 |       |
|          |                 | 12         | 0       | 19.91     | 18.91               | 18.99 |       |
|          |                 | 12         | 12      | 19.94     | 18.94               | 19.02 |       |
|          |                 | 12         | 24      | 19.93     | 18.96               | 19.03 |       |
|          |                 | 12         | 36      | 19.98     | 18.92               | 18.99 |       |
|          |                 | 1          | 0       | 20.22     | 19.98               | 19.99 |       |
|          |                 | 1          | 12      | 20.20     | 19.98               | 19.19 |       |
|          |                 | 1          | 24      | 20.22     | 19.19               | 19.24 |       |
|          |                 | 12         | 0       | 18.94     | 18.95               | 17.93 |       |
|          |                 | 12         | 12      | 18.92     | 17.83               | 17.91 |       |
|          |                 | 12         | 24      | 18.94     | 17.85               | 17.95 |       |
|          |                 | 12         | 36      | 18.90     | 17.88               | 17.85 |       |

### LTE Band 7 part ant 5 ENDC Power

| LTE Band | Bandwidth (MHz) | Modulation | RB Size | RB Offset | Average Power (dBm) |       |       |
|----------|-----------------|------------|---------|-----------|---------------------|-------|-------|
|          |                 |            |         |           | 20800               | 21100 | 21425 |
| Band 7   | 10              | QPSK       | 1       | 0         | 20.96               | 20.98 | 20.94 |
|          |                 |            | 1       | 12        | 20.99               | 20.98 | 20.94 |
|          |                 |            | 1       | 24        | 20.98               | 20.98 | 20.98 |
|          |                 |            | 1       | 36        | 20.98               | 20.98 | 20.98 |
|          |                 |            | 25      | 0         | 19.94               | 20.05 | 20.06 |
|          |                 |            | 25      | 12        | 19.96               | 20.04 | 20.05 |
|          |                 |            | 25      | 24        | 19.96               | 20.05 | 20.05 |
|          |                 |            | 25      | 36        | 19.96               | 20.04 | 20.06 |
|          |                 |            | 50      | 0         | 19.96               | 20.04 | 20.06 |
|          |                 |            | 50      | 12        | 20.13               | 20.32 | 20.07 |
|          |                 | 1          | 0       | 20.13     | 20.35               | 20.13 |       |
|          |                 | 1          | 12      | 20.13     | 20.35               | 20.13 |       |
|          |                 | 1          | 24      | 20.13     | 20.35               | 20.13 |       |
|          |                 | 1          | 36      | 20.13     | 20.35               | 20.13 |       |
|          |                 | 25         | 12      | 18.93     | 19.01               | 19.12 |       |
|          |                 | 25         | 24      | 18.94     | 19.02               | 19.08 |       |
|          |                 | 50         | 0       | 18.94     | 19.02               | 19.08 |       |
|          |                 | 1          | 0       | 19.79     | 19.00               | 18.70 |       |
|          |                 | 1          | 12      | 19.79     | 19.00               | 18.70 |       |
|          |                 | 1          | 24      | 19.79     | 19.00               | 18.70 |       |
|          |                 | 1          | 36      | 19.79     | 19.00               | 18.70 |       |
|          |                 | 25         | 12      | 19.05     | 18.00               | 18.05 |       |
|          |                 | 25         | 24      | 19.04     | 18.00               | 18.02 |       |
|          |                 | 50         | 0       | 19.02     | 17.82               | 17.82 |       |

### LTE Band 7 part ant 5 ENDC Power

| LTE Band | Bandwidth (MHz) | Modulation | RB Size | RB Offset | Average Power (dBm) |       |       |
|----------|-----------------|------------|---------|-----------|---------------------|-------|-------|
|          |                 |            |         |           | 20825               | 21100 | 21375 |
| Band 7   | 15              | QPSK       | 1       | 0         | 21.84               | 20.86 | 20.96 |
|          |                 |            | 1       | 12        | 22.03               | 21.07 | 21.04 |
|          |                 |            | 1       | 24        | 22.02               | 21.01 | 21.01 |
|          |                 |            | 1       | 36        | 21.06               | 20.07 | 20.07 |
|          |                 |            | 36      | 16        | 21.05               | 20.08 | 20.04 |
|          |                 |            | 36      | 36        | 21.05               | 20.03 | 20.05 |
|          |                 |            | 75      | 0         | 21.05               | 20.05 | 20.05 |
|          |                 |            | 75      | 12        | 21.05               | 20.05 | 20.05 |
|          |                 |            | 1       | 0         | 21.49               | 20.42 | 20.48 |
|          |                 |            | 1       | 12        | 21.47               | 20.41 | 20.47 |
|          |                 | 1          | 24      | 21.47     | 20.41               | 20.47 |       |
|          |                 | 1          | 36      | 21.47     | 20.41               | 20.47 |       |
|          |                 | 36         | 0       | 20.17     | 19.10               | 19.13 |       |
|          |                 | 36         | 16      | 20.17     | 19.11               | 19.14 |       |
|          |                 | 36         | 36      | 20.16     | 19.10               | 19.13 |       |
|          |                 | 75         | 0       | 20.09     | 19.00               | 19.08 |       |
|          |                 | 1          | 0       | 20.31     | 19.01               | 19.16 |       |
|          |                 | 1          | 12      | 20.33     | 19.19               | 19.28 |       |
|          |                 | 1          | 24      | 20.28     | 19.01               | 19.24 |       |
|          |                 | 36         | 0       | 19.09     | 18.05               | 18.01 |       |
|          |                 | 36         | 16      | 19.07     | 18.10               | 18.03 |       |
|          |                 | 36         | 36      | 19.08     | 18.05               | 18.03 |       |
|          |                 | 75         | 0       | 19.08     | 17.93               | 17.99 |       |

### LTE Band 7 part ant 5 ENDC Power

| LTE Band | Bandwidth (MHz) | Modulation | RB Size | RB Offset | Average Power (dBm) |       |       |
|----------|-----------------|------------|---------|-----------|---------------------|-------|-------|
|          |                 |            |         |           | 20850               | 21100 | 21350 |
| Band 7   | 20              | QPSK       | 1       | 0         | 21.89               | 21.07 | 20.81 |
|          |                 |            | 1       | 12        | 21.98               | 21.20 | 21.00 |
|          |                 |            | 1       | 24        | 21.93               | 21.16 | 21.02 |
|          |                 |            | 1       | 36        | 21.08               | 20.14 | 20.09 |
|          |                 |            | 50      | 0         | 21.09               | 20.12 | 20.08 |
|          |                 |            | 50      | 12        | 21.09               | 20.12 | 20.08 |
|          |                 |            | 100     | 0         | 21.15               | 20.06 | 20.06 |
|          |                 |            | 100     | 12        | 21.30               | 19.77 | 20.30 |
|          |                 |            | 1       | 0         | 20.44               | 19.92 | 20.48 |
|          |                 |            | 1       | 12        | 20.43               | 19.85 | 20.48 |
|          |                 | 1          | 24      | 20.05     | 19.12               | 19.08 |       |
|          |                 | 1          | 36      | 20.06     | 19.13               | 19.08 |       |
|          |                 | 50         | 0       | 20.10     | 19.03               | 19.05 |       |
|          |                 | 1          | 0       | 20.30     | 19.17               | 19.23 |       |
|          |                 | 1          | 12      | 20.43     | 19.32               | 19.41 |       |
|          |                 | 1          | 24      | 20.20     | 19.20               | 19.21 |       |
|          |                 | 1          | 36      | 19.96     | 18.06               | 17.94 |       |
|          |                 | 50         | 0       | 18.94     | 18.08               | 17.96 |       |
|          |                 | 50         | 12      | 18.94     | 18.07               | 17.96 |       |
|          |                 | 100        | 0       | 19.00     | 17.94               | 17.98 |       |

### LTE Band 41 part ant 5 ENDC Power

| LTE Band | Bandwidth (MHz) | Modulation | RB Size | RB Offset | Average Power (dBm) |       |       |       |       |
|----------|-----------------|------------|---------|-----------|---------------------|-------|-------|-------|-------|
|          |                 |            |         |           | 38775               | 40145 | 40620 | 41093 | 41565 |
| Band 41  | 5               | QPSK       | 1       | 0         | 21.45               | 20.74 | 20.42 | 20.63 | 20.02 |
|          |                 |            | 1       | 12        | 21.43               | 20.72 | 20.36 | 20.80 | 20.01 |
|          |                 |            | 1       | 24        | 21.46               | 20.74 | 20.40 | 20.63 | 20.02 |
|          |                 |            | 1       | 36        | 20.27               | 19.67 | 19.17 | 19.50 | 19.00 |
|          |                 |            | 12      | 0         | 20.24               | 19.66 | 19.18 | 19.50 | 19.00 |
|          |                 |            | 12      | 12        | 20.25               | 19.67 | 19.16 | 19.50 | 19.00 |
|          |                 |            | 12      | 24        | 20.28               | 19.69 | 19.16 | 19.51 | 19.10 |
|          |                 |            | 12      | 36        | 20.26               | 20.02 | 19.47 | 19.83 | 19.47 |
|          |                 |            | 1       | 0         | 20.56               | 19.98 | 19.43 | 19.80 | 19.43 |
|          |                 |            | 1       | 12        | 20.57               | 20.01 | 19.42 | 19.81 | 19.44 |
|          |                 | 12         | 0       | 19.21     | 18.65               | 18.11 | 18.47 | 18.00 |       |
|          |                 | 12         | 12      | 19.21     | 18.66               | 18.13 | 18.48 | 18.11 |       |
|          |                 | 12         | 24      | 19.23     | 18.69               | 18.12 | 18.50 | 18.14 |       |
|          |                 | 12         | 36      | 19.26     | 18.67               | 18.15 | 18.49 | 18.07 |       |
|          |                 | 1          | 0       | 19.86     | 19.71               | 19.70 | 19.64 | 17.96 |       |
|          |                 | 1          | 12      | 19.83     | 19.32               | 19.75 | 19.13 | 18.81 |       |
|          |                 | 1          | 24      | 19.86     | 19.33               | 19.74 | 19.13 | 18.79 |       |
|          |                 | 12         | 0       | 18.40     | 17.99               | 17.27 | 17.71 | 17.46 |       |
|          |                 | 12         | 12      | 18.41     | 17.94               | 17.27 | 17.71 | 17.46 |       |
|          |                 | 12         | 24      | 18.43     | 17.94               | 17.27 | 17.71 | 17.46 |       |
|          |                 | 12         | 36      | 18.40     | 17.93               | 17.35 | 17.74 | 17.37 |       |

### LTE Band 41 part ant 5 ENDC Power

| LTE Band | Bandwidth (MHz) | Modulation | RB Size | RB Offset | Average Power (dBm) |       |       |       |       |
|----------|-----------------|------------|---------|-----------|---------------------|-------|-------|-------|-------|
|          |                 |            |         |           | 38700               | 40160 | 40620 | 41093 | 41540 |
| Band 41  | 10              | QPSK       | 1       | 0         | 21.22               | 20.64 | 20.22 | 20.50 | 20.06 |
|          |                 |            | 1       | 12        | 21.28               | 20.71 | 20.24 | 20.59 | 20.14 |
|          |                 |            | 1       | 24        | 21.28               | 20.68 | 20.19 | 20.52 | 20.07 |
|          |                 |            | 25      | 0         | 20.23               | 19.68 | 19.14 | 19.50 | 19.12 |
|          |                 |            | 25      | 12        | 20.24               | 19.69 | 19.12 | 19.50 | 19.13 |
|          |                 |            | 25      | 24        | 20.21               | 19.67 | 19.13 | 19.49 | 19.12 |
|          |                 |            | 25      | 36        | 20.27               | 19.71 | 19.16 | 19.53 | 19.09 |
|          |                 |            | 1       | 0         | 20.15               | 19.61 | 19.51 | 19.07 | 19.06 |
|          |                 |            | 1       | 12        | 20.19               | 19.67 | 19.59 | 19.64 | 19.15 |
|          |                 |            | 1       | 24        | 20.19               | 19.67 | 19.59 | 19.64 | 19.15 |
|          |                 | 1          | 36      | 20.19     | 19.66               | 19.52 | 19.61 | 19.11 |       |
|          |                 | 25         | 0       | 19.26     | 18.71               | 18.20 | 18.54 | 18.16 |       |
|          |                 | 25         | 12      | 19.26     | 18.71               | 18.20 | 18.54 | 18.16 |       |
|          |                 | 25         | 24      | 19.27     | 18.71               | 18.20 | 18.54 | 18.16 |       |
|          |                 | 25         | 36      | 19.21     | 18.66               | 18.16 | 18.49 | 18.10 |       |
|          |                 | 1          | 0       | 19.42     | 18.31               | 18.00 | 18.42 | 17.40 |       |
|          |                 | 1          | 12      | 19.47     | 18.37               | 18.10 | 18.75 | 18.21 |       |
|          |                 | 1          | 24      | 19.47     | 18.37               | 18.10 | 18.75 | 18.21 |       |
|          |                 | 1          | 36      | 19.47     | 18.37               | 18.10 | 18.75 | 18.21 |       |
|          |                 | 25         | 12      | 18.43     | 17.90               | 17.36 | 17.72 | 17.45 |       |
|          |                 | 25         | 24      | 18.39     | 17.90               | 17.39 | 17.73 | 17.41 |       |
|          |                 | 50         | 0       | 18.45     | 17.94               | 17.44 | 17.77 | 17.42 |       |

### LTE Band 41 part ant 5 ENDC Power

| LTE Band | Bandwidth (MHz) | Modulation | RB Size | RB Offset | Average Power (dBm) |       |       |       |       |
|----------|-----------------|------------|---------|-----------|---------------------|-------|-------|-------|-------|
|          |                 |            |         |           | 38725               | 40175 | 40620 | 41093 | 41515 |
| Band 41  | 15              | QPSK       | 1       | 0         | 21.37               | 20.78 | 20.22 | 20.69 | 20.19 |
|          |                 |            | 1       | 12        | 21.45               | 20.86 | 20.25 | 20.66 | 20.26 |
|          |                 |            | 1       | 24        | 21.33               | 20.78 | 20.13 | 20.66 | 20.23 |
|          |                 |            | 1       | 36        | 20.21               | 19.64 | 19.14 | 19.47 | 19.07 |
|          |                 |            | 36      | 16        | 20.19               | 19.64 | 19.13 | 19.47 | 19.06 |
|          |                 |            | 36      | 36        | 20.20               | 19.64 | 19.13 | 19.47 | 19.05 |
|          |                 |            | 75      | 0         | 20.24               | 19.69 | 19.16 | 19.51 | 19.13 |
|          |                 |            | 75      | 12        | 20.24               | 19.69 | 19.16 | 19.51 | 19.13 |
|          |                 |            | 1       | 0         | 20.34               | 19.78 | 19.57 | 19.70 | 19.18 |
|          |                 |            | 1       | 12        | 20.34               | 19.78 | 19.57 | 19.70 | 19.18 |
|          |                 | 1          | 24      | 20.26     | 19.69               | 19.48 | 19.62 | 19.12 |       |
|          |                 | 1          | 36      | 20.26     | 19.66               | 19.17 | 18.50 | 18.10 |       |
|          |                 | 36         | 16      | 19.22     | 18.66               | 18.15 | 18.49 | 18.10 |       |
|          |                 | 36         | 36      | 19.22     | 18.68               | 18.13 | 18.49 | 18.13 |       |
|          |                 | 75         | 0       | 19.26     | 18.69               | 18.16 | 18.51 | 18.12 |       |
|          |                 | 1          | 0       | 19.78     | 18.61               | 18.64 | 18.62 | 17.43 |       |
|          |                 | 1          | 12      | 19.86     | 18.34               | 18.75 | 19.14 | 18.70 |       |
|          |                 | 1          | 24      | 19.79     | 18.28               | 18.61 | 19.06 | 18.71 |       |
|          |                 | 36         | 0       | 18.48     | 17.97               | 17.38 | 17.77 | 17.46 |       |
|          |                 | 36         | 16      | 18.47     | 17.96               | 17.39 | 17.77 | 17.45 |       |
|          |                 | 36         | 36      | 18.47     | 17.96               | 17.38 | 17.77 | 17.45 |       |
|          |                 | 75         | 0       | 18.48     | 17.97               | 17.38 | 17.77 | 17.46 |       |

### LTE Band 41 part ant 5 ENDC Power

| LTE Band | Bandwidth (MHz) | Modulation | RB Size | RB Offset | Average Power (dBm) |       |       |       |       |
|----------|-----------------|------------|---------|-----------|---------------------|-------|-------|-------|-------|
|          |                 |            |         |           | 38750               | 40185 | 40620 | 41093 | 41490 |
| Band 41  | 20              | QPSK       | 1       | 0         | 21.13               | 20.56 | 20.01 | 20.39 | 20.02 |
|          |                 |            | 1       | 12        | 21.30               | 20.70 | 20.15 | 20.52 | 20.10 |
|          |                 |            | 1       |           |                     |       |       |       |       |



### ANT 6

2.4GWi-Fi ant 6 Full Power

| Average Power (dBm) |                 |              |          |                |
|---------------------|-----------------|--------------|----------|----------------|
| Channel             | Frequency (MHz) | 802.11 b     | 802.11 g | 802.11n (HT20) |
| CH 01               | 2412            | 16.44        | 12.48    | 13.04          |
| CH 06               | 2437            | 16.39        | 12.28    | 12.60          |
| CH 11               | 2462            | <b>17.45</b> | 13.11    | 13.67          |

| Average Power (dBm) |                 |                |
|---------------------|-----------------|----------------|
| Channel             | Frequency (MHz) | 802.11n (HT40) |
| CH 03               | 2422            | 12.07          |
| CH 06               | 2437            | 12.59          |
| CH 09               | 2452            | 13.03          |

Bluetooth ant 6 Full Power

| Average Power (dBm) |                 |       |                |       |
|---------------------|-----------------|-------|----------------|-------|
| Channel             | Frequency (MHz) | GFSK  | $\pi/4$ -DQPSK | 8DPSK |
| CH 00               | 2402            | 9.24  | 9.29           | 9.15  |
| CH 39               | 2441            | 11.68 | <b>11.80</b>   | 11.65 |
| CH 78               | 2480            | 10.90 | 11.00          | 10.89 |

| Average Power (dBm) |                 |           |           |                  |                  |
|---------------------|-----------------|-----------|-----------|------------------|------------------|
| Channel             | Frequency (MHz) | BLE PHY1M | BLE PHY2M | BLE CodedPHY S=2 | BLE CodedPHY S=8 |
| CH 00               | 2402            | 3.65      | 3.62      | 3.64             | 3.63             |
| CH 20               | 2442            | 5.14      | 5.09      | 5.14             | 5.12             |
| CH 39               | 2480            | 4.15      | 4.33      | 4.14             | 4.08             |

### ANT 7

2.4GWi-Fi ant 7 Full Power

| Average Power (dBm) |                 |              |          |                |
|---------------------|-----------------|--------------|----------|----------------|
| Channel             | Frequency (MHz) | 802.11 b     | 802.11 g | 802.11n (HT20) |
| CH 01               | 2412            | 16.02        | 12.64    | 12.89          |
| CH 06               | 2437            | 16.45        | 12.85    | 13.18          |
| CH 11               | 2462            | <b>16.80</b> | 13.25    | 13.60          |

| Average Power (dBm) |                 |                |
|---------------------|-----------------|----------------|
| Channel             | Frequency (MHz) | 802.11n (HT40) |
| CH 03               | 2422            | 12.89          |
| CH 06               | 2437            | 12.98          |
| CH 09               | 2452            | 13.25          |

Bluetooth ant 7 Full Power

| Average Power (dBm) |                 |      |                |       |
|---------------------|-----------------|------|----------------|-------|
| Channel             | Frequency (MHz) | GFSK | $\pi/4$ -DQPSK | 8DPSK |
| CH 00               | 2402            | 6.01 | 7.35           | 7.41  |
| CH 39               | 2441            | 7.38 | <b>8.47</b>    | 8.11  |
| CH 78               | 2480            | 8.31 | 8.10           | 8.00  |

| Average Power (dBm) |                 |           |           |                  |                  |
|---------------------|-----------------|-----------|-----------|------------------|------------------|
| Channel             | Frequency (MHz) | BLE PHY1M | BLE PHY2M | BLE CodedPHY S=2 | BLE CodedPHY S=8 |
| CH 00               | 2402            | 2.49      | 2.48      | 2.49             | 2.46             |
| CH 20               | 2442            | 4.02      | 4.01      | 4.02             | 3.97             |
| CH 39               | 2480            | 3.51      | 3.54      | 3.51             | 3.48             |



### ANT 6

#### 5.2GWi-Fi ant 6 Full Power

| Average Power (dBm) |                 |              |             |            |
|---------------------|-----------------|--------------|-------------|------------|
| Channel             | Frequency (MHz) | 802.11 a     | 802.11 ac20 | 802.11 n20 |
| CH 36               | 5180            | 13.07        | 12.08       | 13.11      |
| CH 40               | 5200            | 13.06        | 11.85       | 12.73      |
| CH 48               | 5240            | <b>13.85</b> | 12.57       | 13.69      |

| Average Power (dBm) |                 |             |            |
|---------------------|-----------------|-------------|------------|
| Channel             | Frequency (MHz) | 802.11 ac40 | 802.11 n40 |
| CH 38               | 5190            | 11.34       | 12.85      |
| CH 46               | 5230            | 11.53       | 13.35      |

| Average Power (dBm) |                 |             |
|---------------------|-----------------|-------------|
| Channel             | Frequency (MHz) | 802.11 ac80 |
| CH 58               | 5290            | 11.2        |

#### 5.8GWi-Fi ant 6 Full Power

| Average Power (dBm) |                 |              |             |              |
|---------------------|-----------------|--------------|-------------|--------------|
| Channel             | Frequency (MHz) | 802.11 a     | 802.11 ac20 | 802.11 n20   |
| CH 149              | 5745            | 12.91        | 11.70       | 12.71        |
| CH 157              | 5785            | <b>14.05</b> | 13.10       | <b>13.88</b> |
| CH 165              | 5825            | 13.11        | 11.91       | 13.01        |

| Average Power (dBm) |                 |             |            |
|---------------------|-----------------|-------------|------------|
| Channel             | Frequency (MHz) | 802.11 ac40 | 802.11 n40 |
| CH 151              | 5755            | 10.95       | 12.89      |
| CH 159              | 5795            | 12.16       | 13.67      |

| Average Power (dBm) |                 |             |
|---------------------|-----------------|-------------|
| Channel             | Frequency (MHz) | 802.11 ac80 |
| CH 155              | 5775            | 11.36       |

### NFC ANT

| Mode | Power (dBm) |
|------|-------------|
| NFC  | -41.13      |