



## SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

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# Appendix E

## Conducted RF Output Power

| Measurement of RF conducted Power |                              |
|-----------------------------------|------------------------------|
| 1                                 | Conducted Power of GSM       |
| 2                                 | Conducted Power of WCDMA     |
| 3                                 | Conducted Power of LTE       |
| 4                                 | Conducted Power of WIFI      |
| 5                                 | Conducted Power of Bluetooth |

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# 1 Conducted Power of GSM

## 1.1 Conducted Power of GSM

| GSM 850                 |            |       |       |       |         |                  |                                 |       |       |         |
|-------------------------|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm) |            |       |       |       |         | Division Factors | Frame-Average Output Power(dBm) |       |       |         |
| Channel                 |            | 128   | 190   | 251   | Tune up |                  | 128                             | 190   | 251   | Tune up |
| GPRS/EGPRS (GMSK)       | 1 TX Slot  | 33.13 | 33.08 | 33.19 | 33.50   | -9.19            | 23.94                           | 23.89 | 24.00 | 24.31   |
|                         | 2 TX Slots | 32.11 | 32.09 | 32.15 | 32.50   | -6.18            | 25.93                           | 25.91 | 25.97 | 26.32   |
|                         | 3 TX Slots | 30.22 | 30.20 | 30.22 | 30.50   | -4.42            | 25.80                           | 25.78 | 25.80 | 26.08   |
|                         | 4 TX Slots | 29.24 | 29.25 | 29.21 | 29.50   | -3.17            | 26.07                           | 26.08 | 26.04 | 26.33   |
| EGPRS(8PSK)             | 1 TX Slot  | 28.98 | 29.11 | 28.89 | 30.00   | -9.19            | 19.79                           | 19.92 | 19.70 | 20.81   |
|                         | 2 TX Slots | 28.07 | 27.99 | 28.67 | 29.00   | -6.18            | 21.89                           | 21.81 | 22.49 | 22.82   |
|                         | 3 TX Slots | 27.72 | 26.89 | 26.32 | 28.00   | -4.42            | 23.30                           | 22.47 | 21.90 | 23.58   |
|                         | 4 TX Slots | 25.42 | 25.25 | 25.41 | 26.00   | -3.17            | 22.25                           | 22.08 | 22.24 | 22.83   |

| GSM 1900                |            |       |       |       |         |                  |                                 |       |       |         |
|-------------------------|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm) |            |       |       |       |         | Division Factors | Frame-Average Output Power(dBm) |       |       |         |
| Channel                 |            | 512   | 661   | 810   | Tune up |                  | 512                             | 661   | 810   | Tune up |
| GPRS/EGPRS (GMSK)       | 1 TX Slot  | 30.32 | 30.26 | 30.24 | 30.50   | -9.19            | 21.13                           | 21.07 | 21.05 | 21.31   |
|                         | 2 TX Slots | 29.33 | 29.22 | 29.13 | 29.50   | -6.18            | 23.15                           | 23.04 | 22.95 | 23.32   |
|                         | 3 TX Slots | 27.42 | 27.18 | 27.02 | 27.50   | -4.42            | 23.00                           | 22.76 | 22.60 | 23.08   |
|                         | 4 TX Slots | 26.25 | 26.33 | 26.32 | 26.50   | -3.17            | 23.08                           | 23.16 | 23.15 | 23.33   |
| EGPRS(8PSK)             | 1 TX Slot  | 26.63 | 27.11 | 27.12 | 28.00   | -9.19            | 17.44                           | 17.92 | 17.93 | 18.81   |
|                         | 2 TX Slots | 25.79 | 26.19 | 26.15 | 27.00   | -6.18            | 19.61                           | 20.01 | 19.97 | 20.82   |
|                         | 3 TX Slots | 23.71 | 24.27 | 24.15 | 25.00   | -4.42            | 19.29                           | 19.85 | 19.73 | 20.58   |
|                         | 4 TX Slots | 22.38 | 22.85 | 22.74 | 23.00   | -3.17            | 19.21                           | 19.68 | 19.57 | 19.83   |



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## 2 Conducted Power of WCDMA

| WCDMA Band II                |              |       |       |       |         |
|------------------------------|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm) |              |       |       |       |         |
| Channel                      |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA                        | 12.2kbps RMC | 24.01 | 24.06 | 24.05 | 24.50   |
| HSDPA                        | Subtest 1    | 23.80 | 23.53 | 23.44 | 24.00   |
|                              | Subtest 2    | 23.78 | 23.53 | 23.47 | 24.00   |
|                              | Subtest 3    | 23.78 | 23.51 | 23.47 | 24.00   |
|                              | Subtest 4    | 23.75 | 23.48 | 23.42 | 24.00   |
| HSUPA                        | Subtest 1    | 21.36 | 21.91 | 21.96 | 22.00   |
|                              | Subtest 2    | 21.98 | 21.13 | 21.00 | 22.00   |
|                              | Subtest 3    | 21.57 | 21.81 | 21.38 | 22.00   |
|                              | Subtest 4    | 21.12 | 21.61 | 21.38 | 22.00   |
|                              | Subtest 5    | 21.31 | 21.34 | 21.34 | 22.00   |

| WCDMA Band V                 |              |       |       |       |         |
|------------------------------|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm) |              |       |       |       |         |
| Channel                      |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA                        | 12.2kbps RMC | 23.85 | 23.92 | 23.83 | 24.50   |
| HSDPA                        | Subtest 1    | 24.01 | 23.76 | 23.85 | 24.50   |
|                              | Subtest 2    | 24.02 | 23.76 | 23.85 | 24.50   |
|                              | Subtest 3    | 24.01 | 23.75 | 23.84 | 24.50   |
|                              | Subtest 4    | 23.98 | 23.73 | 23.81 | 24.50   |
| HSUPA                        | Subtest 1    | 21.52 | 21.15 | 21.60 | 22.50   |
|                              | Subtest 2    | 21.98 | 21.17 | 21.33 | 22.50   |
|                              | Subtest 3    | 21.43 | 21.69 | 21.92 | 22.50   |
|                              | Subtest 4    | 21.49 | 21.69 | 21.94 | 22.50   |
|                              | Subtest 5    | 21.43 | 21.68 | 21.93 | 22.50   |



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### 3 Conducted Power of LTE

| LTE Band 2 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|            |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz     | QPSK       | 1       | 0         | 24.05                | 24.03   | 24.04   | 24.50   |
|            |            | 1       | 2         | 24.10                | 24.10   | 24.07   | 24.50   |
|            |            | 1       | 5         | 24.11                | 24.08   | 24.09   | 24.50   |
|            |            | 3       | 0         | 24.15                | 24.09   | 24.20   | 24.50   |
|            |            | 3       | 2         | 24.13                | 24.15   | 24.04   | 24.50   |
|            |            | 3       | 3         | 24.10                | 24.07   | 24.11   | 24.50   |
|            | 16QAM      | 6       | 0         | 23.00                | 23.13   | 23.05   | 23.50   |
|            |            | 1       | 0         | 23.47                | 23.23   | 22.79   | 23.50   |
|            |            | 1       | 2         | 23.45                | 23.25   | 22.80   | 23.50   |
|            |            | 1       | 5         | 23.46                | 23.23   | 22.82   | 23.50   |
|            |            | 3       | 0         | 22.88                | 23.27   | 22.98   | 23.50   |
|            |            | 3       | 2         | 22.93                | 23.21   | 22.95   | 23.50   |
|            |            | 3       | 3         | 22.91                | 23.27   | 22.95   | 23.50   |
|            |            | 6       | 0         | 22.17                | 22.27   | 22.21   | 22.50   |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|            |            |         |           | 18615                | 18900   | 19185   |         |
| 3MHz       | QPSK       | 1       | 0         | 24.06                | 23.94   | 23.98   | 24.50   |
|            |            | 1       | 7         | 24.06                | 23.98   | 24.13   | 24.50   |
|            |            | 1       | 14        | 24.02                | 23.99   | 24.05   | 24.50   |
|            |            | 8       | 0         | 23.08                | 23.05   | 23.06   | 23.50   |
|            |            | 8       | 4         | 23.03                | 23.08   | 23.11   | 23.50   |
|            |            | 8       | 7         | 23.02                | 23.03   | 23.07   | 23.50   |
|            | 16QAM      | 15      | 0         | 23.11                | 23.03   | 23.17   | 23.50   |
|            |            | 1       | 0         | 23.00                | 23.37   | 23.09   | 23.50   |
|            |            | 1       | 7         | 22.96                | 23.34   | 23.12   | 23.50   |
|            |            | 1       | 14        | 22.97                | 23.43   | 23.14   | 23.50   |
|            |            | 8       | 0         | 22.36                | 22.29   | 22.28   | 22.50   |
|            |            | 8       | 4         | 22.42                | 22.32   | 22.23   | 22.50   |
|            |            | 8       | 7         | 22.41                | 22.35   | 22.29   | 22.50   |
|            |            | 15      | 0         | 22.22                | 22.09   | 22.20   | 22.50   |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|            |            |         |           | 18625                | 18900   | 19175   |         |
| 5MHz       | QPSK       | 1       | 0         | 24.03                | 24.01   | 24.03   | 24.50   |
|            |            | 1       | 13        | 24.01                | 24.11   | 23.97   | 24.50   |
|            |            | 1       | 24        | 24.00                | 24.07   | 24.06   | 24.50   |
|            |            | 12      | 0         | 23.09                | 23.03   | 23.14   | 23.50   |
|            |            | 12      | 6         | 23.12                | 23.01   | 23.17   | 23.50   |
|            |            | 12      | 13        | 23.20                | 23.01   | 23.13   | 23.50   |
|            | 16QAM      | 25      | 0         | 23.14                | 23.03   | 23.12   | 23.50   |
|            |            | 1       | 0         | 22.76                | 23.09   | 23.36   | 23.50   |
|            |            | 1       | 13        | 22.76                | 23.13   | 23.36   | 23.50   |
|            |            | 1       | 24        | 22.74                | 23.17   | 23.40   | 23.50   |
|            |            | 12      | 0         | 22.19                | 22.08   | 22.19   | 22.50   |
|            |            | 12      | 6         | 22.19                | 22.07   | 22.22   | 22.50   |
|            |            | 12      | 13        | 22.18                | 22.10   | 22.13   | 22.50   |
|            |            | 25      | 0         | 22.17                | 22.12   | 22.25   | 22.50   |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|            |            |         |           | 18650                | 18900   | 19150   |         |
| 10MHz      | QPSK       | 1       | 0         | 24.15                | 24.17   | 24.10   | 24.50   |



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|                  |                   |                |                  |                |                |                |                |
|------------------|-------------------|----------------|------------------|----------------|----------------|----------------|----------------|
|                  |                   | 1              | 25               | 24.06          | 24.15          | 24.11          | 24.50          |
|                  |                   | 1              | 49               | 24.06          | 24.19          | 24.14          | 24.50          |
|                  |                   | 25             | 0                | 23.03          | 23.13          | 23.15          | 23.50          |
|                  |                   | 25             | 13               | 23.02          | 23.08          | 23.23          | 23.50          |
|                  |                   | 25             | 25               | 23.10          | 22.99          | 23.07          | 23.50          |
|                  |                   | 50             | 0                | 23.11          | 23.09          | 23.23          | 23.50          |
|                  | 16QAM             | 1              | 0                | 23.11          | 23.20          | 22.79          | 23.50          |
|                  |                   | 1              | 25               | 23.10          | 23.17          | 22.75          | 23.50          |
|                  |                   | 1              | 49               | 23.05          | 23.16          | 22.77          | 23.50          |
|                  |                   | 25             | 0                | 22.23          | 22.24          | 22.27          | 22.50          |
|                  |                   | 25             | 13               | 22.18          | 22.19          | 22.28          | 22.50          |
|                  |                   | 25             | 25               | 22.12          | 22.28          | 22.27          | 22.50          |
|                  |                   | 50             | 0                | 22.17          | 22.16          | 22.09          | 22.50          |
|                  |                   |                |                  |                |                |                |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 18675          | 18900          | 19125          |                |
| 15MHz            | QPSK              | 1              | 0                | 24.14          | 24.06          | 23.96          | 24.50          |
|                  |                   | 1              | 38               | 24.09          | 24.12          | 24.02          | 24.50          |
|                  |                   | 1              | 74               | 23.99          | 24.05          | 23.98          | 24.50          |
|                  |                   | 36             | 0                | 22.96          | 23.03          | 23.13          | 23.50          |
|                  |                   | 36             | 18               | 23.06          | 23.00          | 23.22          | 23.50          |
|                  |                   | 36             | 39               | 23.05          | 23.01          | 23.02          | 23.50          |
|                  |                   | 75             | 0                | 23.09          | 23.02          | 23.14          | 23.50          |
|                  | 16QAM             | 1              | 0                | 23.12          | 23.14          | 23.48          | 23.50          |
|                  |                   | 1              | 38               | 23.09          | 23.16          | 23.13          | 23.50          |
|                  |                   | 1              | 74               | 22.96          | 23.10          | 23.50          | 23.50          |
|                  |                   | 36             | 0                | 22.19          | 22.23          | 22.19          | 22.50          |
|                  |                   | 36             | 18               | 22.19          | 22.14          | 22.17          | 22.50          |
|                  |                   | 36             | 39               | 22.17          | 22.22          | 22.20          | 22.50          |
|                  |                   | 75             | 0                | 22.14          | 22.06          | 22.25          | 22.50          |
|                  |                   |                |                  |                |                |                |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 18700          | 18900          | 19100          |                |
| 20MHz            | QPSK              | 1              | 0                | 24.29          | 24.31          | 24.26          | 24.50          |
|                  |                   | 1              | 50               | 24.06          | 24.01          | 24.16          | 24.50          |
|                  |                   | 1              | 99               | 24.05          | 24.03          | 24.20          | 24.50          |
|                  |                   | 50             | 0                | 23.37          | 23.45          | 23.41          | 23.50          |
|                  |                   | 50             | 25               | 23.03          | 23.03          | 23.05          | 23.50          |
|                  |                   | 50             | 50               | 23.03          | 23.09          | 23.11          | 23.50          |
|                  |                   | 100            | 0                | 22.99          | 23.09          | 23.01          | 23.50          |
|                  | 16QAM             | 1              | 0                | 23.20          | 23.30          | 23.45          | 23.50          |
|                  |                   | 1              | 50               | 23.18          | 23.24          | 23.42          | 23.50          |
|                  |                   | 1              | 99               | 23.14          | 23.21          | 23.43          | 23.50          |
|                  |                   | 50             | 0                | 22.27          | 22.22          | 22.22          | 22.50          |
|                  |                   | 50             | 25               | 22.22          | 22.09          | 22.15          | 22.50          |
|                  |                   | 50             | 50               | 22.25          | 22.18          | 22.20          | 22.50          |
|                  |                   | 100            | 0                | 22.09          | 22.10          | 22.23          | 22.50          |



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| LTE Band 4 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|            |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz     | QPSK       | 1       | 0         | 23.90                | 23.80   | 23.77   | 24.50   |
|            |            | 1       | 2         | 23.89                | 23.93   | 23.83   | 24.50   |
|            |            | 1       | 5         | 23.83                | 23.97   | 23.81   | 24.50   |
|            |            | 3       | 0         | 23.89                | 23.87   | 23.92   | 24.50   |
|            |            | 3       | 2         | 23.95                | 23.86   | 23.95   | 24.50   |
|            |            | 3       | 3         | 23.87                | 23.90   | 23.87   | 24.50   |
|            |            | 6       | 0         | 22.73                | 22.86   | 22.88   | 23.50   |
|            | 16QAM      | 1       | 0         | 23.25                | 22.96   | 23.01   | 23.50   |
|            |            | 1       | 2         | 23.24                | 22.95   | 23.04   | 23.50   |
|            |            | 1       | 5         | 23.26                | 23.03   | 23.06   | 23.50   |
|            |            | 3       | 0         | 22.64                | 23.04   | 22.76   | 23.50   |
|            |            | 3       | 2         | 22.68                | 23.12   | 22.78   | 23.50   |
|            |            | 3       | 3         | 22.64                | 23.06   | 22.70   | 23.50   |
|            |            | 6       | 0         | 21.91                | 22.13   | 22.09   | 22.50   |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|            |            |         |           | 19965                | 20175   | 20385   |         |
| 3MHz       | QPSK       | 1       | 0         | 23.75                | 23.82   | 24.03   | 24.50   |
|            |            | 1       | 7         | 23.83                | 23.82   | 24.14   | 24.50   |
|            |            | 1       | 14        | 23.78                | 23.82   | 24.11   | 24.50   |
|            |            | 8       | 0         | 22.83                | 22.78   | 22.79   | 23.50   |
|            |            | 8       | 4         | 22.89                | 22.86   | 22.81   | 23.50   |
|            |            | 8       | 7         | 22.85                | 22.85   | 22.86   | 23.50   |
|            |            | 15      | 0         | 22.83                | 22.80   | 22.90   | 23.50   |
|            | 16QAM      | 1       | 0         | 22.74                | 23.46   | 23.10   | 23.50   |
|            |            | 1       | 7         | 22.69                | 23.46   | 23.14   | 23.50   |
|            |            | 1       | 14        | 22.79                | 23.42   | 23.13   | 23.50   |
|            |            | 8       | 0         | 22.15                | 22.35   | 22.09   | 22.50   |
|            |            | 8       | 4         | 22.13                | 22.23   | 22.10   | 22.50   |
|            |            | 8       | 7         | 22.19                | 22.21   | 22.04   | 22.50   |
|            |            | 15      | 0         | 21.94                | 22.04   | 21.89   | 22.50   |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|            |            |         |           | 19975                | 20175   | 20375   |         |
| 5MHz       | QPSK       | 1       | 0         | 23.75                | 23.82   | 23.72   | 24.50   |
|            |            | 1       | 13        | 23.79                | 23.89   | 23.72   | 24.50   |
|            |            | 1       | 24        | 23.75                | 23.79   | 23.73   | 24.50   |
|            |            | 12      | 0         | 22.82                | 22.86   | 22.83   | 23.50   |
|            |            | 12      | 6         | 22.82                | 22.79   | 22.93   | 23.50   |
|            |            | 12      | 13        | 22.96                | 22.81   | 22.94   | 23.50   |
|            |            | 25      | 0         | 22.95                | 22.76   | 22.89   | 23.50   |
|            | 16QAM      | 1       | 0         | 22.48                | 22.87   | 23.12   | 23.50   |
|            |            | 1       | 13        | 22.52                | 22.88   | 23.09   | 23.50   |
|            |            | 1       | 24        | 22.54                | 22.88   | 23.14   | 23.50   |
|            |            | 12      | 0         | 21.91                | 21.96   | 21.92   | 22.50   |
|            |            | 12      | 6         | 21.94                | 21.84   | 21.90   | 22.50   |
|            |            | 12      | 13        | 22.01                | 21.88   | 21.88   | 22.50   |
|            |            | 25      | 0         | 21.97                | 21.91   | 21.95   | 22.50   |



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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 23.87   | 23.91   | 23.93   | 24.50   |
|           |            | 1       | 25        | 23.84   | 23.95   | 23.91   | 24.50   |
|           |            | 1       | 49        | 23.90   | 23.99   | 23.97   | 24.50   |
|           |            | 25      | 0         | 22.91   | 22.78   | 22.87   | 23.50   |
|           |            | 25      | 13        | 22.79   | 22.89   | 22.81   | 23.50   |
|           |            | 25      | 25        | 22.81   | 22.88   | 22.89   | 23.50   |
|           |            | 50      | 0         | 22.77   | 22.89   | 22.80   | 23.50   |
|           | 16QAM      | 1       | 0         | 22.85   | 22.90   | 22.52   | 23.50   |
|           |            | 1       | 25        | 22.85   | 22.91   | 22.54   | 23.50   |
|           |            | 1       | 49        | 22.79   | 22.97   | 22.51   | 23.50   |
|           |            | 25      | 0         | 21.94   | 22.10   | 21.88   | 22.50   |
|           |            | 25      | 13        | 21.89   | 22.00   | 21.92   | 22.50   |
|           |            | 25      | 25        | 21.87   | 22.03   | 21.94   | 22.50   |
|           |            | 50      | 0         | 21.85   | 21.96   | 21.81   | 22.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 23.88   | 23.92   | 23.93   | 24.50   |
|           |            | 1       | 38        | 23.80   | 23.97   | 23.89   | 24.50   |
|           |            | 1       | 74        | 23.74   | 23.95   | 23.95   | 24.50   |
|           |            | 36      | 0         | 22.79   | 22.67   | 22.85   | 23.50   |
|           |            | 36      | 18        | 22.83   | 22.80   | 22.92   | 23.50   |
|           |            | 36      | 39        | 22.82   | 22.92   | 22.90   | 23.50   |
|           |            | 75      | 0         | 22.79   | 22.74   | 22.88   | 23.50   |
|           | 16QAM      | 1       | 0         | 22.82   | 22.87   | 23.25   | 23.50   |
|           |            | 1       | 38        | 22.71   | 22.91   | 23.34   | 23.50   |
|           |            | 1       | 74        | 22.71   | 22.95   | 23.29   | 23.50   |
|           |            | 36      | 0         | 21.85   | 21.95   | 21.88   | 22.50   |
|           |            | 36      | 18        | 21.83   | 21.98   | 21.96   | 22.50   |
|           |            | 36      | 39        | 21.89   | 21.97   | 21.95   | 22.50   |
|           |            | 75      | 0         | 21.85   | 21.93   | 21.92   | 22.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 24.05   | 24.18   | 24.09   | 24.50   |
|           |            | 1       | 50        | 23.75   | 23.78   | 24.02   | 24.50   |
|           |            | 1       | 99        | 23.79   | 23.81   | 24.02   | 24.50   |
|           |            | 50      | 0         | 23.18   | 23.27   | 23.24   | 23.50   |
|           |            | 50      | 25        | 22.70   | 22.93   | 22.91   | 23.50   |
|           |            | 50      | 50        | 22.85   | 22.78   | 22.78   | 23.50   |
|           |            | 100     | 0         | 23.01   | 23.07   | 22.86   | 23.50   |
|           | 16QAM      | 1       | 0         | 22.91   | 23.34   | 23.14   | 23.50   |
|           |            | 1       | 50        | 22.89   | 23.32   | 23.11   | 23.50   |
|           |            | 1       | 99        | 22.89   | 23.38   | 23.03   | 23.50   |
|           |            | 50      | 0         | 22.03   | 21.93   | 21.89   | 22.50   |
|           |            | 50      | 25        | 21.97   | 22.02   | 21.91   | 22.50   |
|           |            | 50      | 50        | 21.93   | 21.96   | 21.95   | 22.50   |
|           |            | 100     | 0         | 21.85   | 21.94   | 21.97   | 22.50   |



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| LTE Band 5 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|            |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz     | QPSK       | 1       | 0         | 23.82                | 23.90   | 23.87   | 24.50   |
|            |            | 1       | 2         | 23.74                | 23.92   | 24.01   | 24.50   |
|            |            | 1       | 5         | 23.68                | 23.78   | 24.06   | 24.50   |
|            |            | 3       | 0         | 23.85                | 23.88   | 23.81   | 24.50   |
|            |            | 3       | 2         | 23.81                | 23.94   | 23.82   | 24.50   |
|            |            | 3       | 3         | 23.82                | 23.86   | 23.88   | 24.50   |
|            |            | 6       | 0         | 22.65                | 22.99   | 22.89   | 23.50   |
|            | 16QAM      | 1       | 0         | 23.14                | 22.91   | 22.53   | 23.50   |
|            |            | 1       | 2         | 23.19                | 22.97   | 22.49   | 23.50   |
|            |            | 1       | 5         | 23.16                | 23.08   | 22.49   | 23.50   |
|            |            | 3       | 0         | 22.54                | 22.99   | 22.53   | 23.50   |
|            |            | 3       | 2         | 22.54                | 23.03   | 22.56   | 23.50   |
|            |            | 3       | 3         | 22.45                | 22.96   | 22.58   | 23.50   |
|            |            | 6       | 0         | 21.74                | 22.22   | 22.00   | 22.50   |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|            |            |         |           | 20415                | 20525   | 20635   |         |
| 3MHz       | QPSK       | 1       | 0         | 23.76                | 23.91   | 23.92   | 24.50   |
|            |            | 1       | 7         | 23.76                | 23.89   | 23.91   | 24.50   |
|            |            | 1       | 14        | 23.75                | 23.93   | 23.95   | 24.50   |
|            |            | 8       | 0         | 22.73                | 22.89   | 22.91   | 23.50   |
|            |            | 8       | 4         | 22.85                | 22.96   | 22.90   | 23.50   |
|            |            | 8       | 7         | 22.85                | 22.92   | 22.91   | 23.50   |
|            |            | 15      | 0         | 22.78                | 22.89   | 22.87   | 23.50   |
|            | 16QAM      | 1       | 0         | 22.47                | 23.28   | 22.73   | 23.50   |
|            |            | 1       | 7         | 22.45                | 23.02   | 22.81   | 23.50   |
|            |            | 1       | 14        | 22.56                | 23.04   | 22.80   | 23.50   |
|            |            | 8       | 0         | 21.98                | 22.13   | 22.13   | 22.50   |
|            |            | 8       | 4         | 21.91                | 22.21   | 22.15   | 22.50   |
|            |            | 8       | 7         | 22.01                | 22.28   | 22.08   | 22.50   |
|            |            | 15      | 0         | 21.68                | 22.11   | 21.97   | 22.50   |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|            |            |         |           | 20425                | 20525   | 20625   |         |
| 5MHz       | QPSK       | 1       | 0         | 23.65                | 23.96   | 23.70   | 24.50   |
|            |            | 1       | 13        | 23.75                | 23.82   | 23.74   | 24.50   |
|            |            | 1       | 24        | 23.71                | 23.93   | 23.82   | 24.50   |
|            |            | 12      | 0         | 22.74                | 23.04   | 22.83   | 23.50   |
|            |            | 12      | 6         | 22.72                | 23.06   | 22.84   | 23.50   |
|            |            | 12      | 13        | 22.91                | 22.93   | 22.79   | 23.50   |
|            |            | 25      | 0         | 22.93                | 23.05   | 22.87   | 23.50   |
|            | 16QAM      | 1       | 0         | 22.45                | 22.96   | 23.05   | 23.50   |
|            |            | 1       | 13        | 22.42                | 22.94   | 22.99   | 23.50   |
|            |            | 1       | 24        | 22.44                | 22.94   | 23.04   | 23.50   |
|            |            | 12      | 0         | 21.72                | 21.87   | 21.81   | 22.50   |
|            |            | 12      | 6         | 21.82                | 21.89   | 21.99   | 22.50   |
|            |            | 12      | 13        | 21.78                | 21.98   | 22.01   | 22.50   |
|            |            | 25      | 0         | 21.85                | 21.95   | 22.10   | 22.50   |





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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 24.08   | 24.19   | 24.03   | 24.50   |
|           |            | 1       | 25        | 23.82   | 24.01   | 23.85   | 24.50   |
|           |            | 1       | 49        | 23.80   | 24.00   | 23.86   | 24.50   |
|           |            | 25      | 0         | 22.97   | 23.11   | 23.05   | 23.50   |
|           |            | 25      | 13        | 22.86   | 22.92   | 22.85   | 23.50   |
|           |            | 25      | 25        | 22.76   | 22.87   | 22.90   | 23.50   |
|           |            | 50      | 0         | 22.82   | 23.02   | 22.78   | 23.50   |
|           | 16QAM      | 1       | 0         | 22.71   | 22.94   | 22.57   | 23.50   |
|           |            | 1       | 25        | 22.79   | 23.12   | 22.42   | 23.50   |
|           |            | 1       | 49        | 22.90   | 23.01   | 22.50   | 23.50   |
|           |            | 25      | 0         | 21.81   | 22.04   | 21.85   | 22.50   |
|           |            | 25      | 13        | 22.00   | 22.13   | 22.09   | 22.50   |
|           |            | 25      | 25        | 22.01   | 22.01   | 22.13   | 22.50   |
|           |            | 50      | 0         | 21.94   | 22.05   | 22.01   | 22.50   |



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| LTE Band 7 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|            |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz       | QPSK       | 1       | 0         | 22.45                | 22.62   | 22.66   | 23.50   |
|            |            | 1       | 13        | 22.80                | 22.65   | 22.58   | 23.50   |
|            |            | 1       | 24        | 22.61                | 22.59   | 23.01   | 23.50   |
|            |            | 12      | 0         | 21.36                | 21.30   | 21.58   | 22.50   |
|            |            | 12      | 6         | 21.77                | 21.36   | 22.05   | 22.50   |
|            |            | 12      | 13        | 21.70                | 21.55   | 21.99   | 22.50   |
|            |            | 25      | 0         | 21.77                | 21.25   | 21.98   | 22.50   |
|            | 16QAM      | 1       | 0         | 21.38                | 21.73   | 22.28   | 22.50   |
|            |            | 1       | 13        | 21.60                | 21.66   | 22.14   | 22.50   |
|            |            | 1       | 24        | 21.54                | 21.69   | 22.44   | 22.50   |
|            |            | 12      | 0         | 20.69                | 20.74   | 21.10   | 21.50   |
|            |            | 12      | 6         | 20.98                | 20.92   | 21.11   | 21.50   |
|            |            | 12      | 13        | 20.90                | 20.73   | 21.01   | 21.50   |
|            |            | 25      | 0         | 20.96                | 20.78   | 21.15   | 21.50   |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|            |            |         |           | 20800                | 21100   | 21400   |         |
| 10MHz      | QPSK       | 1       | 0         | 22.39                | 22.58   | 22.79   | 23.50   |
|            |            | 1       | 25        | 22.76                | 22.72   | 22.80   | 23.50   |
|            |            | 1       | 49        | 22.66                | 22.69   | 22.63   | 23.50   |
|            |            | 25      | 0         | 21.44                | 21.32   | 21.54   | 22.50   |
|            |            | 25      | 13        | 21.72                | 21.35   | 21.97   | 22.50   |
|            |            | 25      | 25        | 21.91                | 21.51   | 21.94   | 22.50   |
|            |            | 50      | 0         | 21.68                | 21.23   | 22.07   | 22.50   |
|            | 16QAM      | 1       | 0         | 21.71                | 21.92   | 21.63   | 22.50   |
|            |            | 1       | 25        | 21.86                | 21.75   | 21.55   | 22.50   |
|            |            | 1       | 49        | 21.82                | 21.79   | 21.78   | 22.50   |
|            |            | 25      | 0         | 20.75                | 20.96   | 21.15   | 21.50   |
|            |            | 25      | 13        | 20.88                | 20.98   | 21.16   | 21.50   |
|            |            | 25      | 25        | 20.90                | 20.78   | 21.11   | 21.50   |
|            |            | 50      | 0         | 20.87                | 20.82   | 21.05   | 21.50   |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|            |            |         |           | 20825                | 21100   | 21375   |         |
| 15MHz      | QPSK       | 1       | 0         | 22.52                | 22.64   | 22.65   | 23.50   |
|            |            | 1       | 38        | 22.81                | 22.70   | 22.76   | 23.50   |
|            |            | 1       | 74        | 22.70                | 22.60   | 23.05   | 23.50   |
|            |            | 36      | 0         | 21.41                | 21.32   | 21.47   | 22.50   |
|            |            | 36      | 18        | 21.88                | 21.54   | 22.02   | 22.50   |
|            |            | 36      | 39        | 21.86                | 21.52   | 21.94   | 22.50   |
|            |            | 75      | 0         | 21.87                | 21.14   | 21.93   | 22.50   |
|            | 16QAM      | 1       | 0         | 21.68                | 22.14   | 22.28   | 22.50   |
|            |            | 1       | 38        | 21.95                | 21.95   | 22.24   | 22.50   |
|            |            | 1       | 74        | 21.98                | 21.93   | 22.04   | 22.50   |
|            |            | 36      | 0         | 20.92                | 20.97   | 21.01   | 21.50   |
|            |            | 36      | 18        | 20.99                | 20.92   | 21.13   | 21.50   |
|            |            | 36      | 39        | 21.02                | 20.73   | 21.03   | 21.50   |
|            |            | 75      | 0         | 20.96                | 20.74   | 21.11   | 21.50   |



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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 23.07   | 23.19   | 23.15   | 23.50   |
|           |            | 1       | 50        | 22.91   | 22.70   | 22.82   | 23.50   |
|           |            | 1       | 99        | 22.82   | 22.51   | 22.79   | 23.50   |
|           |            | 50      | 0         | 21.90   | 21.95   | 21.79   | 22.50   |
|           |            | 50      | 25        | 21.84   | 21.73   | 21.90   | 22.50   |
|           |            | 50      | 50        | 21.79   | 21.67   | 21.84   | 22.50   |
|           |            | 100     | 0         | 21.77   | 21.82   | 21.67   | 22.50   |
|           | 16QAM      | 1       | 0         | 21.65   | 22.46   | 22.08   | 22.50   |
|           |            | 1       | 50        | 21.91   | 22.37   | 22.09   | 22.50   |
|           |            | 1       | 99        | 21.93   | 22.34   | 22.41   | 22.50   |
|           |            | 50      | 0         | 20.91   | 21.12   | 20.88   | 21.50   |
|           |            | 50      | 25        | 21.06   | 21.01   | 20.91   | 21.50   |
|           |            | 50      | 50        | 21.14   | 20.84   | 21.01   | 21.50   |
|           |            | 100     | 0         | 20.99   | 20.67   | 21.01   | 21.50   |



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| LTE Band 38 |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 37775                | 38000   | 38225   |         |
| 5MHz        | QPSK       | 1       | 0         | 23.99                | 23.45   | 23.92   | 24.50   |
|             |            | 1       | 13        | 23.90                | 23.44   | 23.83   | 24.50   |
|             |            | 1       | 24        | 23.93                | 23.35   | 23.70   | 24.50   |
|             |            | 12      | 0         | 23.19                | 22.97   | 22.87   | 23.50   |
|             |            | 12      | 6         | 23.12                | 22.98   | 22.88   | 23.50   |
|             |            | 12      | 13        | 23.17                | 23.01   | 23.10   | 23.50   |
|             |            | 25      | 0         | 23.13                | 22.91   | 22.85   | 23.50   |
|             | 16QAM      | 1       | 0         | 22.91                | 22.70   | 23.09   | 23.50   |
|             |            | 1       | 13        | 22.90                | 22.59   | 23.10   | 23.50   |
|             |            | 1       | 24        | 23.04                | 22.95   | 23.15   | 23.50   |
|             |            | 12      | 0         | 22.16                | 22.05   | 21.92   | 22.50   |
|             |            | 12      | 6         | 22.17                | 21.78   | 21.90   | 22.50   |
|             |            | 12      | 13        | 22.12                | 21.96   | 22.00   | 22.50   |
|             |            | 25      | 0         | 22.26                | 21.97   | 22.06   | 22.50   |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 37800                | 38000   | 38200   |         |
| 10MHz       | QPSK       | 1       | 0         | 24.16                | 23.60   | 23.42   | 24.50   |
|             |            | 1       | 25        | 24.08                | 23.45   | 23.50   | 24.50   |
|             |            | 1       | 49        | 23.97                | 23.52   | 23.83   | 24.50   |
|             |            | 25      | 0         | 23.46                | 23.00   | 23.26   | 23.50   |
|             |            | 25      | 13        | 23.40                | 22.93   | 23.22   | 23.50   |
|             |            | 25      | 25        | 23.50                | 22.92   | 23.42   | 23.50   |
|             |            | 50      | 0         | 23.44                | 22.93   | 23.32   | 23.50   |
|             | 16QAM      | 1       | 0         | 23.33                | 23.47   | 22.77   | 23.50   |
|             |            | 1       | 25        | 23.16                | 23.27   | 23.27   | 23.50   |
|             |            | 1       | 49        | 22.87                | 23.28   | 23.22   | 23.50   |
|             |            | 25      | 0         | 22.11                | 21.60   | 22.13   | 22.50   |
|             |            | 25      | 13        | 22.12                | 21.57   | 22.10   | 22.50   |
|             |            | 25      | 25        | 22.05                | 21.61   | 22.06   | 22.50   |
|             |            | 50      | 0         | 22.10                | 21.72   | 21.82   | 22.50   |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 37825                | 38000   | 38175   |         |
| 15MHz       | QPSK       | 1       | 0         | 24.11                | 23.62   | 23.54   | 24.50   |
|             |            | 1       | 38        | 24.17                | 23.50   | 23.69   | 24.50   |
|             |            | 1       | 74        | 23.86                | 23.55   | 23.75   | 24.50   |
|             |            | 36      | 0         | 23.46                | 23.10   | 23.19   | 23.50   |
|             |            | 36      | 18        | 23.01                | 23.01   | 23.24   | 23.50   |
|             |            | 36      | 39        | 23.31                | 22.94   | 23.19   | 23.50   |
|             |            | 75      | 0         | 23.44                | 22.98   | 23.33   | 23.50   |
|             | 16QAM      | 1       | 0         | 23.31                | 23.33   | 22.44   | 23.50   |
|             |            | 1       | 38        | 22.93                | 23.34   | 23.09   | 23.50   |
|             |            | 1       | 74        | 22.79                | 23.32   | 23.24   | 23.50   |
|             |            | 36      | 0         | 22.06                | 21.69   | 21.76   | 22.50   |
|             |            | 36      | 18        | 22.09                | 21.56   | 22.00   | 22.50   |
|             |            | 36      | 39        | 22.02                | 21.55   | 21.91   | 22.50   |
|             |            | 75      | 0         | 22.09                | 21.52   | 21.94   | 22.50   |



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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 37850   | 38000   | 38150   |         |
| 20MHz     | QPSK       | 1       | 0         | 24.26   | 24.29   | 24.23   | 24.50   |
|           |            | 1       | 50        | 23.84   | 23.35   | 23.67   | 24.50   |
|           |            | 1       | 99        | 23.50   | 23.46   | 23.84   | 24.50   |
|           |            | 50      | 0         | 23.28   | 23.32   | 23.25   | 23.50   |
|           |            | 50      | 25        | 23.15   | 23.03   | 23.00   | 23.50   |
|           |            | 50      | 50        | 23.09   | 23.06   | 23.05   | 23.50   |
|           |            | 100     | 0         | 23.03   | 23.11   | 22.99   | 23.50   |
|           | 16QAM      | 1       | 0         | 22.57   | 22.97   | 22.76   | 23.50   |
|           |            | 1       | 50        | 22.65   | 22.24   | 23.43   | 23.50   |
|           |            | 1       | 99        | 22.26   | 22.27   | 23.09   | 23.50   |
|           |            | 50      | 0         | 22.26   | 21.73   | 21.62   | 22.50   |
|           |            | 50      | 25        | 22.24   | 21.60   | 21.76   | 22.50   |
|           |            | 50      | 50        | 21.95   | 21.59   | 21.82   | 22.50   |
|           |            | 100     | 0         | 22.12   | 21.55   | 21.80   | 22.50   |



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### 4 Conducted Power of WIFI

| WIFI 2.4G            |         |                 |                 |                                 |         |
|----------------------|---------|-----------------|-----------------|---------------------------------|---------|
| Mode                 | Channel | Frequency (MHz) | Data Rate(Mbps) | Average Power (dBm)<br>Main Ant | Tune up |
| 802.11b              | 1       | 2412            | 1               | 14.55                           | 15.00   |
|                      | 6       | 2437            |                 | 14.60                           | 15.00   |
|                      | 11      | 2462            |                 | 14.78                           | 15.00   |
| 802.11g              | 1       | 2412            | 6               | 14.69                           | 15.00   |
|                      | 6       | 2437            |                 | 14.55                           | 15.00   |
|                      | 11      | 2462            |                 | 14.61                           | 15.00   |
| 802.11n<br>HT20 SISO | 1       | 2412            | 6.5             | 13.71                           | 15.00   |
|                      | 6       | 2437            |                 | 14.62                           | 15.00   |
|                      | 11      | 2462            |                 | 14.68                           | 15.00   |
| 802.11n<br>HT40 SISO | 3       | 2422            | 13              | 13.58                           | 15.00   |
|                      | 6       | 2437            |                 | 14.55                           | 15.00   |
|                      | 9       | 2452            |                 | 14.02                           | 15.00   |

| WIFI 5G      |          |         |                |                 |                     |         |
|--------------|----------|---------|----------------|-----------------|---------------------|---------|
| 5GHz         | mode     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11a      | U-NII-1  | 36      | 5180           | 6               | 15.23               | 15.50   |
|              |          | 40      | 5200           |                 | 14.73               | 15.50   |
|              |          | 48      | 5240           |                 | 14.42               | 15.50   |
|              | U-NII-2A | 52      | 5260           |                 | 14.77               | 15.50   |
|              |          | 60      | 5300           |                 | 14.68               | 15.50   |
|              |          | 64      | 5320           |                 | 14.60               | 15.50   |
|              | U-NII-2C | 100     | 5500           |                 | 15.17               | 15.50   |
|              |          | 116     | 5580           |                 | 14.78               | 15.50   |
|              |          | 140     | 5700           |                 | 14.44               | 15.50   |
|              | U-NII-3  | 149     | 5745           |                 | 14.90               | 15.50   |
|              |          | 157     | 5785           |                 | 14.66               | 15.50   |
|              |          | 165     | 5825           |                 | 14.60               | 15.50   |
| 5GHz         | mode     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11n-HT20 | U-NII-1  | 36      | 5180           | MCS0            | 14.11               | 14.50   |
|              |          | 40      | 5200           |                 | 13.71               | 14.50   |
|              |          | 48      | 5240           |                 | 13.44               | 14.50   |
|              | U-NII-2A | 52      | 5260           |                 | 13.90               | 14.50   |
|              |          | 60      | 5300           |                 | 13.83               | 14.50   |
|              |          | 64      | 5320           |                 | 13.83               | 14.50   |
|              | U-NII-2C | 100     | 5500           |                 | 14.39               | 14.50   |
|              |          | 116     | 5580           |                 | 13.50               | 14.50   |
|              |          | 140     | 5700           |                 | 13.35               | 14.50   |
|              | U-NII-3  | 149     | 5745           |                 | 14.40               | 14.50   |
|              |          | 157     | 5785           |                 | 13.47               | 14.50   |
|              |          | 165     | 5825           |                 | 13.65               | 14.50   |
| 5GHz         | mode     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11n-HT40 | U-NII-1  | 38      | 5190           | MCS0            | 14.34               | 14.50   |
|              |          | 46      | 5230           |                 | 13.97               | 14.50   |



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|                 | U-NII-2A | 54      | 5270           |                 | 14.39               | 14.50   |
|-----------------|----------|---------|----------------|-----------------|---------------------|---------|
|                 |          | 62      | 5310           |                 | 14.18               | 14.50   |
|                 | U-NII-2C | 102     | 5510           |                 | 14.73               | 15.00   |
|                 |          | 110     | 5550           |                 | 13.81               | 15.00   |
|                 |          | 134     | 5670           |                 | 13.30               | 15.00   |
|                 | U-NII-3  | 151     | 5755           |                 | 14.54               | 15.00   |
|                 |          | 159     | 5795           |                 | 13.59               | 15.00   |
| 5GHz            | mode     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ac<br>20M | U-NII-1  | 36      | 5180           | MCS0            | 13.01               | 13.50   |
|                 |          | 40      | 5200           |                 | 12.62               | 13.50   |
|                 |          | 48      | 5240           |                 | 12.35               | 13.50   |
|                 | U-NII-2A | 52      | 5260           |                 | 12.78               | 13.50   |
|                 |          | 60      | 5300           |                 | 12.75               | 13.50   |
|                 |          | 64      | 5320           |                 | 12.71               | 13.50   |
|                 | U-NII-2C | 100     | 5500           |                 | 13.32               | 13.50   |
|                 |          | 116     | 5580           |                 | 12.28               | 13.50   |
|                 |          | 140     | 5700           |                 | 12.84               | 13.50   |
|                 | U-NII-3  | 149     | 5745           |                 | 13.00               | 13.50   |
|                 |          | 157     | 5785           |                 | 12.69               | 13.50   |
|                 |          | 165     | 5825           |                 | 12.41               | 13.50   |
| 5GHz            | mode     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ac<br>40M | U-NII-1  | 38      | 5190           | MCS0            | 12.69               | 13.50   |
|                 |          | 46      | 5230           |                 | 12.27               | 13.50   |
|                 | U-NII-2A | 54      | 5270           |                 | 12.57               | 13.50   |
|                 |          | 62      | 5310           |                 | 12.54               | 13.50   |
|                 | U-NII-2C | 102     | 5510           |                 | 13.13               | 13.50   |
|                 |          | 110     | 5550           |                 | 12.25               | 13.50   |
|                 |          | 134     | 5670           |                 | 12.15               | 13.50   |
|                 | U-NII-3  | 151     | 5755           |                 | 12.51               | 13.50   |
|                 |          | 159     | 5795           |                 | 12.07               | 13.50   |
| 5GHz            | mode     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ac<br>80M | U-NII-1  | 42      | 5210           | MCS0            | 12.78               | 13.50   |
|                 | U-NII-2A | 58      | 5290           |                 | 12.76               | 13.50   |
|                 | U-NII-2C | 106     | 5530           |                 | 12.87               | 13.50   |
|                 |          | 122     | 5610           |                 | 12.85               | 13.50   |
|                 | U-NII-3  | 155     | 5775           |                 | 12.21               | 13.50   |



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### 5 Conducted Power of Bluetooth

| BT            |         |                |                               |               |
|---------------|---------|----------------|-------------------------------|---------------|
| Modulation    | Channel | Frequency(MHz) | Average Conducted Power (dBm) | Tune up (dBm) |
| GFSK          | 0       | 2402           | 6.76                          | 7.00          |
|               | 39      | 2441           | 6.47                          | 7.00          |
|               | 78      | 2480           | 6.00                          | 7.00          |
| $\pi/4$ DQPSK | 0       | 2402           | 8.47                          | 9.00          |
|               | 39      | 2441           | 8.73                          | 9.00          |
|               | 78      | 2480           | 7.18                          | 9.00          |
| 8DPSK         | 0       | 2402           | 8.81                          | 9.00          |
|               | 39      | 2441           | 8.95                          | 9.00          |
|               | 78      | 2480           | 7.50                          | 9.00          |

| BLE_1Mbps  |         |                |                               |               |
|------------|---------|----------------|-------------------------------|---------------|
| Modulation | Channel | Frequency(MHz) | Average Conducted Power (dBm) | Tune up (dBm) |
| BLE_1Mbps  | 0       | 2402           | -5.63                         | -4            |
|            | 19      | 2440           | -4.86                         | -4            |
|            | 39      | 2480           | -4.25                         | -4            |