

### 5.3 Conducted Power of LTE Downlink CA (Ant11)

| DL LTE<br>CA<br>Class<br>DS15 | PCC         |             |                      |               |      |           |                    | SCC1        |             | SCC2        |             | SCC3        |             | SCC3        |             | Power                        |                             | Tune<br>up<br>(dBm) |
|-------------------------------|-------------|-------------|----------------------|---------------|------|-----------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------------------|-----------------------------|---------------------|
|                               | LTE<br>Band | BW<br>(MHz) | UL<br>Freq.<br>(MHz) | UL<br>Channel | Mod. | UL#<br>RB | UL<br>RB<br>Offset | LTE<br>Band | BW<br>(MHz) | LTE<br>Band | BW<br>(MHz) | LTE<br>Band | BW<br>(MHz) | LTE<br>Band | BW<br>(MHz) | With CA<br>Tx.Power<br>(dBm) | W/O CA<br>Tx.Power<br>(dBm) |                     |
| CA_7C                         | Band 7      | 20M         | 2510                 | 20850         | QPSK | 1         | 0                  | Band 7      | 20M         | /           | /           | /           | /           | /           | /           | 19.13                        | 19.21                       | 20.30               |
|                               | Band 7      | 20M         | 2535                 | 21100         | QPSK | 1         | 0                  | Band 7      | 20M         | /           | /           | /           | /           | /           | /           | 19.08                        | 19.20                       | 20.30               |
|                               | Band 7      | 20M         | 2560                 | 21350         | QPSK | 1         | 0                  | Band 7      | 20M         | /           | /           | /           | /           | /           | /           | 19.10                        | 19.24                       | 20.30               |
| CA_38C                        | Band 38     | 20M         | 2580                 | 37850         | QPSK | 1         | 0                  | Band 38     | 20M         | /           | /           | /           | /           | /           | /           | 20.22                        | 20.32                       | 21.40               |
|                               | Band 38     | 20M         | 2585.1               | 37901         | QPSK | 1         | 0                  | Band 38     | 20M         | /           | /           | /           | /           | /           | /           | 20.19                        | 20.33                       | 21.40               |
|                               | Band 38     | 20M         | 2610                 | 38150         | QPSK | 1         | 0                  | Band 38     | 20M         | /           | /           | /           | /           | /           | /           | 20.19                        | 20.25                       | 21.40               |
| CA_41C                        | Band 41     | 20M         | 2506                 | 39750         | QPSK | 1         | 0                  | Band 41     | 20M         | /           | /           | /           | /           | /           | /           | 20.18                        | 20.33                       | 21.40               |
|                               | Band 41     | 20M         | 2549.5               | 40185         | QPSK | 1         | 0                  | Band 41     | 20M         | /           | /           | /           | /           | /           | /           | 20.15                        | 20.27                       | 21.40               |
|                               | Band 41     | 20M         | 2593                 | 40620         | QPSK | 1         | 0                  | Band 41     | 20M         | /           | /           | /           | /           | /           | /           | 20.16                        | 20.29                       | 21.40               |
|                               | Band 41     | 20M         | 2636.5               | 41055         | QPSK | 1         | 0                  | Band 41     | 20M         | /           | /           | /           | /           | /           | /           | 20.26                        | 20.35                       | 21.40               |
|                               | Band 41     | 20M         | 2680                 | 41490         | QPSK | 1         | 0                  | Band 41     | 20M         | /           | /           | /           | /           | /           | /           | 20.25                        | 20.33                       | 21.40               |
| CA_66C                        | Band 66     | 20M         | 1720                 | 132072        | QPSK | 1         | 0                  | Band 66     | 20M         | /           | /           | /           | /           | /           | /           | 21.25                        | 21.33                       | 22.40               |
|                               | Band 66     | 20M         | 1745                 | 132322        | QPSK | 1         | 0                  | Band 66     | 20M         | /           | /           | /           | /           | /           | /           | 21.26                        | 21.33                       | 22.40               |
|                               | Band 66     | 20M         | 1770                 | 132572        | QPSK | 1         | 0                  | Band 66     | 20M         | /           | /           | /           | /           | /           | /           | 21.15                        | 21.26                       | 22.40               |
| CA_7B                         | Band 7      | 15M         | 2507.5               | 20825         | QPSK | 1         | 0                  | Band 7      | 5M          | /           | /           | /           | /           | /           | /           | 19.10                        | 19.23                       | 20.30               |
|                               | Band 7      | 15M         | 2535                 | 21100         | QPSK | 1         | 0                  | Band 7      | 5M          | /           | /           | /           | /           | /           | /           | 19.10                        | 19.16                       | 20.30               |
|                               | Band 7      | 15M         | 2562.5               | 21375         | QPSK | 1         | 0                  | Band 7      | 5M          | /           | /           | /           | /           | /           | /           | 19.19                        | 19.25                       | 20.30               |
| CA_66B                        | Band 66     | 15M         | 1717.5               | 132047        | QPSK | 1         | 0                  | Band 66     | 5M          | /           | /           | /           | /           | /           | /           | 21.17                        | 21.26                       | 22.40               |
|                               | Band 66     | 15M         | 1745                 | 132322        | QPSK | 1         | 0                  | Band 66     | 5M          | /           | /           | /           | /           | /           | /           | 21.21                        | 21.34                       | 22.40               |
|                               | Band 66     | 15M         | 1772.5               | 132597        | QPSK | 1         | 0                  | Band 66     | 5M          | /           | /           | /           | /           | /           | /           | 21.19                        | 21.27                       | 22.40               |
| CA_2A-2A                      | Band 2      | 20M         | 1860                 | 18700         | QPSK | 1         | 0                  | Band 2      | 5M          | /           | /           | /           | /           | /           | /           | 19.30                        | 19.35                       | 20.40               |
|                               | Band 2      | 20M         | 1880                 | 18900         | QPSK | 1         | 0                  | Band 2      | 5M          | /           | /           | /           | /           | /           | /           | 19.16                        | 19.26                       | 20.40               |
|                               | Band 2      | 20M         | 1900                 | 19100         | QPSK | 1         | 0                  | Band 2      | 5M          | /           | /           | /           | /           | /           | /           | 19.15                        | 19.27                       | 20.40               |
| CA_4A-4A                      | Band 4      | 20M         | 1720                 | 20050         | QPSK | 1         | 0                  | Band 4      | 5M          | /           | /           | /           | /           | /           | /           | 21.16                        | 21.29                       | 22.40               |
|                               | Band 4      | 20M         | 1732.5               | 20175         | QPSK | 1         | 0                  | Band 4      | 5M          | /           | /           | /           | /           | /           | /           | 21.16                        | 21.29                       | 22.40               |
|                               | Band 4      | 20M         | 1745                 | 20300         | QPSK | 1         | 0                  | Band 4      | 5M          | /           | /           | /           | /           | /           | /           | 21.23                        | 21.32                       | 22.40               |
| CA_7A-7A                      | Band 7      | 20M         | 2510                 | 20850         | QPSK | 1         | 0                  | Band 7      | 5M          | /           | /           | /           | /           | /           | /           | 19.19                        | 19.24                       | 20.30               |
|                               | Band 7      | 20M         | 2535                 | 21100         | QPSK | 1         | 0                  | Band 7      | 5M          | /           | /           | /           | /           | /           | /           | 19.13                        | 19.25                       | 20.30               |
|                               | Band 7      | 20M         | 2560                 | 21350         | QPSK | 1         | 0                  | Band 7      | 5M          | /           | /           | /           | /           | /           | /           | 19.08                        | 19.20                       | 20.30               |
| CA_41A-41A                    | Band 41     | 20M         | 2506                 | 39750         | QPSK | 1         | 0                  | Band 41     | 5M          | /           | /           | /           | /           | /           | /           | 20.28                        | 20.33                       | 21.40               |
|                               | Band 41     | 20M         | 2549.5               | 40185         | QPSK | 1         | 0                  | Band 41     | 5M          | /           | /           | /           | /           | /           | /           | 20.19                        | 20.27                       | 21.40               |
|                               | Band 41     | 20M         | 2593                 | 40620         | QPSK | 1         | 0                  | Band 41     | 5M          | /           | /           | /           | /           | /           | /           | 20.22                        | 20.34                       | 21.40               |

|           |         |     |        |        |      |   |   |         |     |   |   |   |   |   |   |       |       |       |
|-----------|---------|-----|--------|--------|------|---|---|---------|-----|---|---|---|---|---|---|-------|-------|-------|
|           | Band 41 | 20M | 2636.5 | 41055  | QPSK | 1 | 0 | Band 41 | 5M  | / | / | / | / | / | / | 20.23 | 20.33 | 21.40 |
|           | Band 41 | 20M | 2680   | 41490  | QPSK | 1 | 0 | Band 41 | 5M  | / | / | / | / | / | / | 20.22 | 20.34 | 21.40 |
| CA_2A-4A  | Band 2  | 20M | 1860   | 18700  | QPSK | 1 | 0 | Band 4  | 20M | / | / | / | / | / | / | 19.12 | 19.26 | 20.40 |
|           | Band 2  | 20M | 1880   | 18900  | QPSK | 1 | 0 | Band 4  | 20M | / | / | / | / | / | / | 19.23 | 19.34 | 20.40 |
|           | Band 2  | 20M | 1900   | 19100  | QPSK | 1 | 0 | Band 4  | 20M | / | / | / | / | / | / | 19.16 | 19.28 | 20.40 |
|           | Band 4  | 20M | 1720   | 20050  | QPSK | 1 | 0 | Band 2  | 20M | / | / | / | / | / | / | 21.27 | 21.35 | 22.40 |
|           | Band 4  | 20M | 1732.5 | 20175  | QPSK | 1 | 0 | Band 2  | 20M | / | / | / | / | / | / | 21.21 | 21.33 | 22.40 |
|           | Band 4  | 20M | 1745   | 20300  | QPSK | 1 | 0 | Band 2  | 20M | / | / | / | / | / | / | 21.19 | 21.26 | 22.40 |
|           | Band 4  | 20M | 1745   | 20300  | QPSK | 1 | 0 | Band 2  | 20M | / | / | / | / | / | / | 21.19 | 21.26 | 22.40 |
| CA_2A-5A  | Band 2  | 20M | 1860   | 18700  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 19.20 | 19.26 | 20.40 |
|           | Band 2  | 20M | 1880   | 18900  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 19.25 | 19.33 | 20.40 |
|           | Band 2  | 20M | 1900   | 19100  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 19.16 | 19.30 | 20.40 |
| CA_2A-7A  | Band 2  | 20M | 1860   | 18700  | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 19.16 | 19.25 | 20.40 |
|           | Band 2  | 20M | 1880   | 18900  | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 19.17 | 19.32 | 20.40 |
|           | Band 2  | 20M | 1900   | 19100  | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 19.15 | 19.28 | 20.40 |
|           | Band 7  | 20M | 2510   | 20850  | QPSK | 1 | 0 | Band 2  | 20M | / | / | / | / | / | / | 19.11 | 19.17 | 20.30 |
|           | Band 7  | 20M | 2535   | 21100  | QPSK | 1 | 0 | Band 2  | 20M | / | / | / | / | / | / | 19.11 | 19.23 | 20.30 |
|           | Band 7  | 20M | 2560   | 21350  | QPSK | 1 | 0 | Band 2  | 20M | / | / | / | / | / | / | 19.03 | 19.18 | 20.30 |
| CA_2A-26A | Band 2  | 20M | 1860   | 18700  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 19.13 | 19.25 | 20.40 |
|           | Band 2  | 20M | 1880   | 18900  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 19.22 | 19.27 | 20.40 |
|           | Band 2  | 20M | 1900   | 19100  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 19.19 | 19.29 | 20.40 |
| CA_2A-38A | Band 2  | 20M | 1860   | 18700  | QPSK | 1 | 0 | Band 38 | 20M | / | / | / | / | / | / | 19.22 | 19.32 | 20.40 |
|           | Band 2  | 20M | 1880   | 18900  | QPSK | 1 | 0 | Band 38 | 20M | / | / | / | / | / | / | 19.25 | 19.33 | 20.40 |
|           | Band 2  | 20M | 1900   | 19100  | QPSK | 1 | 0 | Band 38 | 20M | / | / | / | / | / | / | 19.15 | 19.28 | 20.40 |
|           | Band 38 | 20M | 2580   | 37850  | QPSK | 1 | 0 | Band 2  | 20M | / | / | / | / | / | / | 20.12 | 20.26 | 21.40 |
|           | Band 38 | 20M | 2595   | 38000  | QPSK | 1 | 0 | Band 2  | 20M | / | / | / | / | / | / | 20.10 | 20.25 | 21.40 |
|           | Band 38 | 20M | 2610   | 38150  | QPSK | 1 | 0 | Band 2  | 20M | / | / | / | / | / | / | 20.25 | 20.32 | 21.40 |
| CA_2A-66A | Band 2  | 20M | 1860   | 18700  | QPSK | 1 | 0 | Band 66 | 20M | / | / | / | / | / | / | 19.17 | 19.27 | 20.40 |
|           | Band 2  | 20M | 1880   | 18900  | QPSK | 1 | 0 | Band 66 | 20M | / | / | / | / | / | / | 19.15 | 19.27 | 20.40 |
|           | Band 2  | 20M | 1900   | 19100  | QPSK | 1 | 0 | Band 66 | 20M | / | / | / | / | / | / | 19.28 | 19.33 | 20.40 |
|           | Band 66 | 20M | 1720   | 132072 | QPSK | 1 | 0 | Band 2  | 20M | / | / | / | / | / | / | 21.15 | 21.28 | 22.40 |
|           | Band 66 | 20M | 1745   | 132322 | QPSK | 1 | 0 | Band 2  | 20M | / | / | / | / | / | / | 21.17 | 21.32 | 22.40 |
|           | Band 66 | 20M | 1770   | 132572 | QPSK | 1 | 0 | Band 2  | 20M | / | / | / | / | / | / | 21.20 | 21.28 | 22.40 |
| CA_4A-5A  | Band 4  | 20M | 1720   | 20050  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 21.15 | 21.28 | 22.40 |
|           | Band 4  | 20M | 1732.5 | 20175  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 21.12 | 21.26 | 22.40 |
|           | Band 4  | 20M | 1745   | 20300  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 21.24 | 21.33 | 22.40 |
| CA_4A-7A  | Band 4  | 20M | 1720   | 20050  | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 21.20 | 21.26 | 22.40 |

|            |         |     |        |        |      |   |   |         |     |   |   |   |   |   |   |       |       |       |
|------------|---------|-----|--------|--------|------|---|---|---------|-----|---|---|---|---|---|---|-------|-------|-------|
|            | Band 4  | 20M | 1732.5 | 20175  | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 21.30 | 21.35 | 22.40 |
|            | Band 4  | 20M | 1745   | 20300  | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 21.19 | 21.26 | 22.40 |
|            | Band 7  | 20M | 2510   | 20850  | QPSK | 1 | 0 | Band 4  | 20M | / | / | / | / | / | / | 19.13 | 19.24 | 20.30 |
|            | Band 7  | 20M | 2535   | 21100  | QPSK | 1 | 0 | Band 4  | 20M | / | / | / | / | / | / | 19.11 | 19.24 | 20.30 |
|            | Band 7  | 20M | 2560   | 21350  | QPSK | 1 | 0 | Band 4  | 20M | / | / | / | / | / | / | 19.06 | 19.18 | 20.30 |
| CA_5A-7A   | Band 7  | 20M | 2510   | 20850  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 19.13 | 19.25 | 20.30 |
|            | Band 7  | 20M | 2535   | 21100  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 19.08 | 19.16 | 20.30 |
|            | Band 7  | 20M | 2560   | 21350  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 19.08 | 19.22 | 20.30 |
| CA_5A-38A  | Band 38 | 20M | 2580   | 37850  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 20.18 | 20.30 | 21.40 |
|            | Band 38 | 20M | 2595   | 38000  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 20.21 | 20.31 | 21.40 |
|            | Band 38 | 20M | 2610   | 38150  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 20.15 | 20.26 | 21.40 |
| CA_5A-41A  | Band 41 | 20M | 2506   | 39750  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 20.20 | 20.25 | 21.40 |
|            | Band 41 | 20M | 2549.5 | 40185  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 20.23 | 20.28 | 21.40 |
|            | Band 41 | 20M | 2593   | 40620  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 20.17 | 20.31 | 21.40 |
|            | Band 41 | 20M | 2636.5 | 41055  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 20.23 | 20.29 | 21.40 |
|            | Band 41 | 20M | 2680   | 41490  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 20.15 | 20.26 | 21.40 |
| CA_5A-66A  | Band 66 | 20M | 1720   | 132072 | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 21.21 | 21.31 | 22.40 |
|            | Band 66 | 20M | 1745   | 132322 | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 21.30 | 21.35 | 22.40 |
|            | Band 66 | 20M | 1770   | 132572 | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 21.19 | 21.26 | 22.40 |
| CA_7A-26A  | Band 7  | 20M | 2510   | 20850  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 19.11 | 19.22 | 20.30 |
|            | Band 7  | 20M | 2535   | 21100  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 19.08 | 19.17 | 20.30 |
|            | Band 7  | 20M | 2560   | 21350  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 19.10 | 19.16 | 20.30 |
| CA_7A-66A  | Band 7  | 20M | 2510   | 20850  | QPSK | 1 | 0 | Band 66 | 20M | / | / | / | / | / | / | 19.10 | 19.22 | 20.30 |
|            | Band 7  | 20M | 2535   | 21100  | QPSK | 1 | 0 | Band 66 | 20M | / | / | / | / | / | / | 19.16 | 19.25 | 20.30 |
|            | Band 7  | 20M | 2560   | 21350  | QPSK | 1 | 0 | Band 66 | 20M | / | / | / | / | / | / | 19.06 | 19.19 | 20.30 |
|            | Band 66 | 20M | 1720   | 132072 | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 21.19 | 21.30 | 22.40 |
|            | Band 66 | 20M | 1745   | 132322 | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 21.25 | 21.35 | 22.40 |
|            | Band 66 | 20M | 1770   | 132572 | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 21.18 | 21.33 | 22.40 |
| CA_26A-38A | Band 38 | 20M | 2580   | 37850  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 20.12 | 20.26 | 21.40 |
|            | Band 38 | 20M | 2595   | 38000  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 20.27 | 20.32 | 21.40 |
|            | Band 38 | 20M | 2610   | 38150  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 20.23 | 20.32 | 21.40 |
| CA_26A-41A | Band 41 | 20M | 2506   | 39750  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 20.26 | 20.32 | 21.40 |
|            | Band 41 | 20M | 2549.5 | 40185  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 20.10 | 20.25 | 21.40 |
|            | Band 41 | 20M | 2593   | 40620  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 20.19 | 20.32 | 21.40 |
|            | Band 41 | 20M | 2636.5 | 41055  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 20.21 | 20.33 | 21.40 |
|            | Band 41 | 20M | 2680   | 41490  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 20.29 | 20.35 | 21.40 |

|            |         |     |      |        |      |   |   |         |     |   |   |   |   |   |   |       |       |       |
|------------|---------|-----|------|--------|------|---|---|---------|-----|---|---|---|---|---|---|-------|-------|-------|
| CA_38A-66A | Band 38 | 20M | 2580 | 37850  | QPSK | 1 | 0 | Band 66 | 20M | / | / | / | / | / | / | 20.25 | 20.32 | 21.40 |
|            | Band 38 | 20M | 2595 | 38000  | QPSK | 1 | 0 | Band 66 | 20M | / | / | / | / | / | / | 20.16 | 20.26 | 21.40 |
|            | Band 38 | 20M | 2610 | 38150  | QPSK | 1 | 0 | Band 66 | 20M | / | / | / | / | / | / | 20.22 | 20.27 | 21.40 |
|            | Band 66 | 20M | 1720 | 132072 | QPSK | 1 | 0 | Band 38 | 20M | / | / | / | / | / | / | 21.19 | 21.28 | 22.40 |
|            | Band 66 | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 38 | 20M | / | / | / | / | / | / | 21.16 | 21.27 | 22.40 |
|            | Band 66 | 20M | 1770 | 132572 | QPSK | 1 | 0 | Band 38 | 20M | / | / | / | / | / | / | 21.22 | 21.33 | 22.40 |
| CA_66A-66A | Band 66 | 20M | 1720 | 132072 | QPSK | 1 | 0 | Band 66 | 5M  | / | / | / | / | / | / | 21.29 | 21.34 | 22.40 |
|            | Band 66 | 20M | 1745 | 132322 | QPSK | 1 | 0 | Band 66 | 5M  | / | / | / | / | / | / | 21.17 | 21.26 | 22.40 |
|            | Band 66 | 20M | 1770 | 132572 | QPSK | 1 | 0 | Band 66 | 5M  | / | / | / | / | / | / | 21.16 | 21.28 | 22.40 |

| DL LTE<br>CA<br>Class<br>DSI7/8 | PCC         |             |                      |               |      |           |                    | SCC1        |             | SCC2        |             | SCC3        |             | SCC3        |             | Power                        |                             | Tune<br>up<br>(dBm) |
|---------------------------------|-------------|-------------|----------------------|---------------|------|-----------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------------------|-----------------------------|---------------------|
|                                 | LTE<br>Band | BW<br>(MHz) | UL<br>Freq.<br>(MHz) | UL<br>Channel | Mod. | UL#<br>RB | UL<br>RB<br>Offset | LTE<br>Band | BW<br>(MHz) | LTE<br>Band | BW<br>(MHz) | LTE<br>Band | BW<br>(MHz) | LTE<br>Band | BW<br>(MHz) | With CA<br>Tx.Power<br>(dBm) | W/O CA<br>Tx.Power<br>(dBm) |                     |
| CA_7C                           | Band<br>7   | 20M         | 2510                 | 20850         | QPSK | 1         | 0                  | Band<br>7   | 20M         | /           | /           | /           | /           | /           | /           | 18.14                        | 18.20                       | 19.30               |
|                                 | Band<br>7   | 20M         | 2535                 | 21100         | QPSK | 1         | 0                  | Band<br>7   | 20M         | /           | /           | /           | /           | /           | /           | 18.15                        | 18.23                       | 19.30               |
|                                 | Band<br>7   | 20M         | 2560                 | 21350         | QPSK | 1         | 0                  | Band<br>7   | 20M         | /           | /           | /           | /           | /           | /           | 18.15                        | 18.22                       | 19.30               |
| CA_7B                           | Band<br>7   | 15M         | 2507.5               | 20825         | QPSK | 1         | 0                  | Band<br>7   | 5M          | /           | /           | /           | /           | /           | /           | 18.16                        | 18.25                       | 19.30               |
|                                 | Band<br>7   | 15M         | 2535                 | 21100         | QPSK | 1         | 0                  | Band<br>7   | 5M          | /           | /           | /           | /           | /           | /           | 18.02                        | 18.15                       | 19.30               |
|                                 | Band<br>7   | 15M         | 2562.5               | 21375         | QPSK | 1         | 0                  | Band<br>7   | 5M          | /           | /           | /           | /           | /           | /           | 18.10                        | 18.23                       | 19.30               |
| CA_2A-2A                        | Band<br>2   | 20M         | 1860                 | 18700         | QPSK | 1         | 0                  | Band<br>2   | 5M          | /           | /           | /           | /           | /           | /           | 18.16                        | 18.26                       | 19.40               |
|                                 | Band<br>2   | 20M         | 1880                 | 18900         | QPSK | 1         | 0                  | Band<br>2   | 5M          | /           | /           | /           | /           | /           | /           | 18.16                        | 18.29                       | 19.40               |
|                                 | Band<br>2   | 20M         | 1900                 | 19100         | QPSK | 1         | 0                  | Band<br>2   | 5M          | /           | /           | /           | /           | /           | /           | 18.19                        | 18.30                       | 19.40               |
| CA_7A-7A                        | Band<br>7   | 20M         | 2510                 | 20850         | QPSK | 1         | 0                  | Band<br>7   | 5M          | /           | /           | /           | /           | /           | /           | 18.11                        | 18.22                       | 19.30               |
|                                 | Band<br>7   | 20M         | 2535                 | 21100         | QPSK | 1         | 0                  | Band<br>7   | 5M          | /           | /           | /           | /           | /           | /           | 18.10                        | 18.16                       | 19.30               |
|                                 | Band<br>7   | 20M         | 2560                 | 21350         | QPSK | 1         | 0                  | Band<br>7   | 5M          | /           | /           | /           | /           | /           | /           | 18.13                        | 18.23                       | 19.30               |
| CA_2A-4A                        | Band<br>2   | 20M         | 1860                 | 18700         | QPSK | 1         | 0                  | Band<br>4   | 20M         | /           | /           | /           | /           | /           | /           | 18.20                        | 18.35                       | 19.40               |
|                                 | Band<br>2   | 20M         | 1880                 | 18900         | QPSK | 1         | 0                  | Band<br>4   | 20M         | /           | /           | /           | /           | /           | /           | 18.20                        | 18.28                       | 19.40               |
|                                 | Band<br>2   | 20M         | 1900                 | 19100         | QPSK | 1         | 0                  | Band<br>4   | 20M         | /           | /           | /           | /           | /           | /           | 18.11                        | 18.25                       | 19.40               |
| CA_2A-5A                        | Band<br>2   | 20M         | 1860                 | 18700         | QPSK | 1         | 0                  | Band<br>5   | 10M         | /           | /           | /           | /           | /           | /           | 18.20                        | 18.30                       | 19.40               |
|                                 | Band<br>2   | 20M         | 1880                 | 18900         | QPSK | 1         | 0                  | Band<br>5   | 10M         | /           | /           | /           | /           | /           | /           | 18.19                        | 18.27                       | 19.40               |
|                                 | Band<br>2   | 20M         | 1900                 | 19100         | QPSK | 1         | 0                  | Band<br>5   | 10M         | /           | /           | /           | /           | /           | /           | 18.21                        | 18.28                       | 19.40               |
| CA_2A-7A                        | Band<br>2   | 20M         | 1860                 | 18700         | QPSK | 1         | 0                  | Band<br>7   | 20M         | /           | /           | /           | /           | /           | /           | 18.27                        | 18.34                       | 19.40               |
|                                 | Band<br>2   | 20M         | 1880                 | 18900         | QPSK | 1         | 0                  | Band<br>7   | 20M         | /           | /           | /           | /           | /           | /           | 18.11                        | 18.26                       | 19.40               |
|                                 | Band<br>2   | 20M         | 1900                 | 19100         | QPSK | 1         | 0                  | Band<br>7   | 20M         | /           | /           | /           | /           | /           | /           | 18.20                        | 18.34                       | 19.40               |
|                                 | Band<br>7   | 20M         | 2510                 | 20850         | QPSK | 1         | 0                  | Band<br>2   | 20M         | /           | /           | /           | /           | /           | /           | 18.04                        | 18.18                       | 19.30               |
|                                 | Band<br>7   | 20M         | 2535                 | 21100         | QPSK | 1         | 0                  | Band<br>2   | 20M         | /           | /           | /           | /           | /           | /           | 18.15                        | 18.22                       | 19.30               |
|                                 | Band<br>7   | 20M         | 2560                 | 21350         | QPSK | 1         | 0                  | Band<br>2   | 20M         | /           | /           | /           | /           | /           | /           | 18.09                        | 18.19                       | 19.30               |
| CA_2A-26A                       | Band<br>2   | 20M         | 1860                 | 18700         | QPSK | 1         | 0                  | Band<br>26  | 15M         | /           | /           | /           | /           | /           | /           | 18.22                        | 18.35                       | 19.40               |
|                                 | Band<br>2   | 20M         | 1880                 | 18900         | QPSK | 1         | 0                  | Band<br>26  | 15M         | /           | /           | /           | /           | /           | /           | 18.27                        | 18.33                       | 19.40               |
|                                 | Band<br>2   | 20M         | 1900                 | 19100         | QPSK | 1         | 0                  | Band<br>26  | 15M         | /           | /           | /           | /           | /           | /           | 18.11                        | 18.25                       | 19.40               |
| CA_2A-38A                       | Band<br>2   | 20M         | 1860                 | 18700         | QPSK | 1         | 0                  | Band<br>38  | 20M         | /           | /           | /           | /           | /           | /           | 18.17                        | 18.27                       | 19.40               |
|                                 | Band<br>2   | 20M         | 1880                 | 18900         | QPSK | 1         | 0                  | Band<br>38  | 20M         | /           | /           | /           | /           | /           | /           | 18.26                        | 18.32                       | 19.40               |
|                                 | Band<br>2   | 20M         | 1900                 | 19100         | QPSK | 1         | 0                  | Band<br>38  | 20M         | /           | /           | /           | /           | /           | /           | 18.24                        | 18.35                       | 19.40               |
| CA_2A-66A                       | Band<br>2   | 20M         | 1860                 | 18700         | QPSK | 1         | 0                  | Band<br>66  | 20M         | /           | /           | /           | /           | /           | /           | 18.15                        | 18.28                       | 19.40               |
|                                 | Band<br>2   | 20M         | 1880                 | 18900         | QPSK | 1         | 0                  | Band<br>66  | 20M         | /           | /           | /           | /           | /           | /           | 18.25                        | 18.34                       | 19.40               |
|                                 | Band<br>2   | 20M         | 1900                 | 19100         | QPSK | 1         | 0                  | Band<br>66  | 20M         | /           | /           | /           | /           | /           | /           | 18.20                        | 18.29                       | 19.40               |
| CA_4A-7A                        | Band<br>7   | 20M         | 2510                 | 20850         | QPSK | 1         | 0                  | Band<br>4   | 20M         | /           | /           | /           | /           | /           | /           | 18.05                        | 18.16                       | 19.30               |

|           |        |     |      |       |      |   |   |         |     |   |   |   |   |   |   |       |       |       |
|-----------|--------|-----|------|-------|------|---|---|---------|-----|---|---|---|---|---|---|-------|-------|-------|
|           | Band 7 | 20M | 2535 | 21100 | QPSK | 1 | 0 | Band 4  | 20M | / | / | / | / | / | / | 18.13 | 18.18 | 19.30 |
|           | Band 7 | 20M | 2560 | 21350 | QPSK | 1 | 0 | Band 4  | 20M | / | / | / | / | / | / | 18.04 | 18.15 | 19.30 |
| CA_5A-7A  | Band 7 | 20M | 2510 | 20850 | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 18.15 | 18.20 | 19.30 |
|           | Band 7 | 20M | 2535 | 21100 | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 18.10 | 18.16 | 19.30 |
|           | Band 7 | 20M | 2560 | 21350 | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 18.11 | 18.22 | 19.30 |
| CA_7A-26A | Band 7 | 20M | 2510 | 20850 | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 18.09 | 18.18 | 19.30 |
|           | Band 7 | 20M | 2535 | 21100 | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 18.14 | 18.19 | 19.30 |
|           | Band 7 | 20M | 2560 | 21350 | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 18.17 | 18.25 | 19.30 |
| CA_7A-66A | Band 7 | 20M | 2510 | 20850 | QPSK | 1 | 0 | Band 66 | 20M | / | / | / | / | / | / | 18.07 | 18.20 | 19.30 |
|           | Band 7 | 20M | 2535 | 21100 | QPSK | 1 | 0 | Band 66 | 20M | / | / | / | / | / | / | 18.08 | 18.20 | 19.30 |
|           | Band 7 | 20M | 2560 | 21350 | QPSK | 1 | 0 | Band 66 | 20M | / | / | / | / | / | / | 18.17 | 18.23 | 19.30 |

| DL LTE<br>CA<br>Class<br>DSI6 | PCC         |             |                      |               |      |           |                    | SCC1        |             | SCC2        |             | SCC3        |             | SCC3        |             | Power                        |                             | Tune<br>up<br>(dBm) |
|-------------------------------|-------------|-------------|----------------------|---------------|------|-----------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------------------|-----------------------------|---------------------|
|                               | LTE<br>Band | BW<br>(MHz) | UL<br>Freq.<br>(MHz) | UL<br>Channel | Mod. | UL#<br>RB | UL<br>RB<br>Offset | LTE<br>Band | BW<br>(MHz) | LTE<br>Band | BW<br>(MHz) | LTE<br>Band | BW<br>(MHz) | LTE<br>Band | BW<br>(MHz) | With CA<br>Tx.Power<br>(dBm) | W/O CA<br>Tx.Power<br>(dBm) |                     |
| CA_7C                         | Band<br>7   | 20M         | 2510                 | 20850         | QPSK | 1         | 0                  | Band<br>7   | 20M         | /           | /           | /           | /           | /           | /           | 21.09                        | 21.16                       | 22.30               |
|                               | Band<br>7   | 20M         | 2535                 | 21100         | QPSK | 1         | 0                  | Band<br>7   | 20M         | /           | /           | /           | /           | /           | /           | 21.01                        | 21.15                       | 22.30               |
|                               | Band<br>7   | 20M         | 2560                 | 21350         | QPSK | 1         | 0                  | Band<br>7   | 20M         | /           | /           | /           | /           | /           | /           | 21.07                        | 21.17                       | 22.30               |
| CA_7B                         | Band<br>7   | 15M         | 2507.5               | 20825         | QPSK | 1         | 0                  | Band<br>7   | 5M          | /           | /           | /           | /           | /           | /           | 21.12                        | 21.19                       | 22.30               |
|                               | Band<br>7   | 15M         | 2535                 | 21100         | QPSK | 1         | 0                  | Band<br>7   | 5M          | /           | /           | /           | /           | /           | /           | 21.12                        | 21.24                       | 22.30               |
|                               | Band<br>7   | 15M         | 2562.5               | 21375         | QPSK | 1         | 0                  | Band<br>7   | 5M          | /           | /           | /           | /           | /           | /           | 21.11                        | 21.22                       | 22.30               |
| CA_2A-2A                      | Band<br>2   | 20M         | 1860                 | 18700         | QPSK | 1         | 0                  | Band<br>2   | 5M          | /           | /           | /           | /           | /           | /           | 21.74                        | 21.82                       | 22.90               |
|                               | Band<br>2   | 20M         | 1880                 | 18900         | QPSK | 1         | 0                  | Band<br>2   | 5M          | /           | /           | /           | /           | /           | /           | 21.64                        | 21.78                       | 22.90               |
|                               | Band<br>2   | 20M         | 1900                 | 19100         | QPSK | 1         | 0                  | Band<br>2   | 5M          | /           | /           | /           | /           | /           | /           | 21.72                        | 21.78                       | 22.90               |
| CA_7A-7A                      | Band<br>7   | 20M         | 2510                 | 20850         | QPSK | 1         | 0                  | Band<br>7   | 5M          | /           | /           | /           | /           | /           | /           | 21.14                        | 21.20                       | 22.30               |
|                               | Band<br>7   | 20M         | 2535                 | 21100         | QPSK | 1         | 0                  | Band<br>7   | 5M          | /           | /           | /           | /           | /           | /           | 21.10                        | 21.16                       | 22.30               |
|                               | Band<br>7   | 20M         | 2560                 | 21350         | QPSK | 1         | 0                  | Band<br>7   | 5M          | /           | /           | /           | /           | /           | /           | 21.18                        | 21.24                       | 22.30               |
| CA_2A-4A                      | Band<br>2   | 20M         | 1860                 | 18700         | QPSK | 1         | 0                  | Band<br>4   | 20M         | /           | /           | /           | /           | /           | /           | 21.70                        | 21.81                       | 22.90               |
|                               | Band<br>2   | 20M         | 1880                 | 18900         | QPSK | 1         | 0                  | Band<br>4   | 20M         | /           | /           | /           | /           | /           | /           | 21.64                        | 21.79                       | 22.90               |
|                               | Band<br>2   | 20M         | 1900                 | 19100         | QPSK | 1         | 0                  | Band<br>4   | 20M         | /           | /           | /           | /           | /           | /           | 21.67                        | 21.79                       | 22.90               |
| CA_2A-5A                      | Band<br>2   | 20M         | 1860                 | 18700         | QPSK | 1         | 0                  | Band<br>5   | 10M         | /           | /           | /           | /           | /           | /           | 21.66                        | 21.81                       | 22.90               |
|                               | Band<br>2   | 20M         | 1880                 | 18900         | QPSK | 1         | 0                  | Band<br>5   | 10M         | /           | /           | /           | /           | /           | /           | 21.66                        | 21.78                       | 22.90               |
|                               | Band<br>2   | 20M         | 1900                 | 19100         | QPSK | 1         | 0                  | Band<br>5   | 10M         | /           | /           | /           | /           | /           | /           | 21.67                        | 21.76                       | 22.90               |
| CA_2A-7A                      | Band<br>2   | 20M         | 1860                 | 18700         | QPSK | 1         | 0                  | Band<br>7   | 20M         | /           | /           | /           | /           | /           | /           | 21.66                        | 21.81                       | 22.90               |
|                               | Band<br>2   | 20M         | 1880                 | 18900         | QPSK | 1         | 0                  | Band<br>7   | 20M         | /           | /           | /           | /           | /           | /           | 21.75                        | 21.80                       | 22.90               |
|                               | Band<br>2   | 20M         | 1900                 | 19100         | QPSK | 1         | 0                  | Band<br>7   | 20M         | /           | /           | /           | /           | /           | /           | 21.68                        | 21.75                       | 22.90               |
|                               | Band<br>7   | 20M         | 2510                 | 20850         | QPSK | 1         | 0                  | Band<br>2   | 20M         | /           | /           | /           | /           | /           | /           | 21.09                        | 21.21                       | 22.30               |
|                               | Band<br>7   | 20M         | 2535                 | 21100         | QPSK | 1         | 0                  | Band<br>2   | 20M         | /           | /           | /           | /           | /           | /           | 21.06                        | 21.18                       | 22.30               |
|                               | Band<br>7   | 20M         | 2560                 | 21350         | QPSK | 1         | 0                  | Band<br>2   | 20M         | /           | /           | /           | /           | /           | /           | 21.11                        | 21.25                       | 22.30               |
| CA_2A-26A                     | Band<br>2   | 20M         | 1860                 | 18700         | QPSK | 1         | 0                  | Band<br>26  | 15M         | /           | /           | /           | /           | /           | /           | 21.73                        | 21.82                       | 22.90               |
|                               | Band<br>2   | 20M         | 1880                 | 18900         | QPSK | 1         | 0                  | Band<br>26  | 15M         | /           | /           | /           | /           | /           | /           | 21.66                        | 21.80                       | 22.90               |
|                               | Band<br>2   | 20M         | 1900                 | 19100         | QPSK | 1         | 0                  | Band<br>26  | 15M         | /           | /           | /           | /           | /           | /           | 21.80                        | 21.85                       | 22.90               |
| CA_2A-38A                     | Band<br>2   | 20M         | 1860                 | 18700         | QPSK | 1         | 0                  | Band<br>38  | 20M         | /           | /           | /           | /           | /           | /           | 21.73                        | 21.82                       | 22.90               |
|                               | Band<br>2   | 20M         | 1880                 | 18900         | QPSK | 1         | 0                  | Band<br>38  | 20M         | /           | /           | /           | /           | /           | /           | 21.72                        | 21.82                       | 22.90               |
|                               | Band<br>2   | 20M         | 1900                 | 19100         | QPSK | 1         | 0                  | Band<br>38  | 20M         | /           | /           | /           | /           | /           | /           | 21.66                        | 21.78                       | 22.90               |
| CA_2A-66A                     | Band<br>2   | 20M         | 1860                 | 18700         | QPSK | 1         | 0                  | Band<br>66  | 20M         | /           | /           | /           | /           | /           | /           | 21.74                        | 21.83                       | 22.90               |
|                               | Band<br>2   | 20M         | 1880                 | 18900         | QPSK | 1         | 0                  | Band<br>66  | 20M         | /           | /           | /           | /           | /           | /           | 21.73                        | 21.85                       | 22.90               |
|                               | Band<br>2   | 20M         | 1900                 | 19100         | QPSK | 1         | 0                  | Band<br>66  | 20M         | /           | /           | /           | /           | /           | /           | 21.74                        | 21.82                       | 22.90               |
| CA_4A-7A                      | Band<br>7   | 20M         | 2510                 | 20850         | QPSK | 1         | 0                  | Band<br>4   | 20M         | /           | /           | /           | /           | /           | /           | 21.15                        | 21.20                       | 22.30               |

|           |        |     |      |       |      |   |   |         |     |   |   |   |   |   |   |       |       |       |
|-----------|--------|-----|------|-------|------|---|---|---------|-----|---|---|---|---|---|---|-------|-------|-------|
|           | Band 7 | 20M | 2535 | 21100 | QPSK | 1 | 0 | Band 4  | 20M | / | / | / | / | / | / | 21.10 | 21.16 | 22.30 |
|           | Band 7 | 20M | 2560 | 21350 | QPSK | 1 | 0 | Band 4  | 20M | / | / | / | / | / | / | 21.11 | 21.21 | 22.30 |
| CA_5A-7A  | Band 7 | 20M | 2510 | 20850 | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 21.11 | 21.16 | 22.30 |
|           | Band 7 | 20M | 2535 | 21100 | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 21.06 | 21.16 | 22.30 |
|           | Band 7 | 20M | 2560 | 21350 | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 21.03 | 21.16 | 22.30 |
| CA_7A-26A | Band 7 | 20M | 2510 | 20850 | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 21.11 | 21.16 | 22.30 |
|           | Band 7 | 20M | 2535 | 21100 | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 21.10 | 21.24 | 22.30 |
|           | Band 7 | 20M | 2560 | 21350 | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 21.04 | 21.15 | 22.30 |
| CA_7A-66A | Band 7 | 20M | 2510 | 20850 | QPSK | 1 | 0 | Band 66 | 20M | / | / | / | / | / | / | 21.13 | 21.24 | 22.30 |
|           | Band 7 | 20M | 2535 | 21100 | QPSK | 1 | 0 | Band 66 | 20M | / | / | / | / | / | / | 21.14 | 21.22 | 22.30 |
|           | Band 7 | 20M | 2560 | 21350 | QPSK | 1 | 0 | Band 66 | 20M | / | / | / | / | / | / | 21.09 | 21.22 | 22.30 |

| DL LTE<br>CA<br>Class DSI<br>7 | PCC         |             |                      |               |      |           |                    | SCC1        |             | SCC2        |             | SCC3        |             | SCC3        |             | Power                        |                             | Tune<br>up<br>(dBm) |
|--------------------------------|-------------|-------------|----------------------|---------------|------|-----------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------------------|-----------------------------|---------------------|
|                                | LTE<br>Band | BW<br>(MHz) | UL<br>Freq.<br>(MHz) | UL<br>Channel | Mod. | UL#<br>RB | UL<br>RB<br>Offset | LTE<br>Band | BW<br>(MHz) | LTE<br>Band | BW<br>(MHz) | LTE<br>Band | BW<br>(MHz) | LTE<br>Band | BW<br>(MHz) | With CA<br>Tx.Power<br>(dBm) | W/O CA<br>Tx.Power<br>(dBm) |                     |
| CA_38C                         | Band 38     | 20M         | 2580                 | 37850         | QPSK | 1         | 0                  | Band 38     | 20M         | /           | /           | /           | /           | /           | /           | 18.73                        | 18.79                       | 19.90               |
|                                | Band 38     | 20M         | 2585.1               | 37901         | QPSK | 1         | 0                  | Band 38     | 20M         | /           | /           | /           | /           | /           | /           | 18.60                        | 18.75                       | 19.90               |
|                                | Band 38     | 20M         | 2610                 | 38150         | QPSK | 1         | 0                  | Band 38     | 20M         | /           | /           | /           | /           | /           | /           | 18.65                        | 18.76                       | 19.90               |
| CA_41C                         | Band 41     | 20M         | 2506                 | 39750         | QPSK | 1         | 0                  | Band 41     | 20M         | /           | /           | /           | /           | /           | /           | 18.73                        | 18.80                       | 19.90               |
|                                | Band 41     | 20M         | 2549.5               | 40185         | QPSK | 1         | 0                  | Band 41     | 20M         | /           | /           | /           | /           | /           | /           | 18.62                        | 18.77                       | 19.90               |
|                                | Band 41     | 20M         | 2593                 | 40620         | QPSK | 1         | 0                  | Band 41     | 20M         | /           | /           | /           | /           | /           | /           | 18.66                        | 18.78                       | 19.90               |
|                                | Band 41     | 20M         | 2636.5               | 41055         | QPSK | 1         | 0                  | Band 41     | 20M         | /           | /           | /           | /           | /           | /           | 18.68                        | 18.80                       | 19.90               |
|                                | Band 41     | 20M         | 2680                 | 41490         | QPSK | 1         | 0                  | Band 41     | 20M         | /           | /           | /           | /           | /           | /           | 18.73                        | 18.80                       | 19.90               |
| CA_66C                         | Band 66     | 20M         | 1720                 | 132072        | QPSK | 1         | 0                  | Band 66     | 20M         | /           | /           | /           | /           | /           | /           | 20.19                        | 20.31                       | 21.40               |
|                                | Band 66     | 20M         | 1745                 | 132322        | QPSK | 1         | 0                  | Band 66     | 20M         | /           | /           | /           | /           | /           | /           | 20.16                        | 20.27                       | 21.40               |
|                                | Band 66     | 20M         | 1770                 | 132572        | QPSK | 1         | 0                  | Band 66     | 20M         | /           | /           | /           | /           | /           | /           | 20.26                        | 20.32                       | 21.40               |
| CA_66B                         | Band 66     | 15M         | 1717.5               | 132047        | QPSK | 1         | 0                  | Band 66     | 5M          | /           | /           | /           | /           | /           | /           | 20.22                        | 20.28                       | 21.40               |
|                                | Band 66     | 15M         | 1745                 | 132322        | QPSK | 1         | 0                  | Band 66     | 5M          | /           | /           | /           | /           | /           | /           | 20.16                        | 20.29                       | 21.40               |
|                                | Band 66     | 15M         | 1772.5               | 132597        | QPSK | 1         | 0                  | Band 66     | 5M          | /           | /           | /           | /           | /           | /           | 20.15                        | 20.27                       | 21.40               |
| CA_4A-4A                       | Band 4      | 20M         | 1720                 | 20050         | QPSK | 1         | 0                  | Band 4      | 5M          | /           | /           | /           | /           | /           | /           | 20.14                        | 20.27                       | 21.40               |
|                                | Band 4      | 20M         | 1732.5               | 20175         | QPSK | 1         | 0                  | Band 4      | 5M          | /           | /           | /           | /           | /           | /           | 20.26                        | 20.31                       | 21.40               |
|                                | Band 4      | 20M         | 1745                 | 20300         | QPSK | 1         | 0                  | Band 4      | 5M          | /           | /           | /           | /           | /           | /           | 20.13                        | 20.28                       | 21.40               |
| CA_41A-41A                     | Band 41     | 20M         | 2506                 | 39750         | QPSK | 1         | 0                  | Band 41     | 5M          | /           | /           | /           | /           | /           | /           | 18.65                        | 18.79                       | 19.90               |
|                                | Band 41     | 20M         | 2549.5               | 40185         | QPSK | 1         | 0                  | Band 41     | 5M          | /           | /           | /           | /           | /           | /           | 18.71                        | 18.84                       | 19.90               |
|                                | Band 41     | 20M         | 2593                 | 40620         | QPSK | 1         | 0                  | Band 41     | 5M          | /           | /           | /           | /           | /           | /           | 18.74                        | 18.79                       | 19.90               |
|                                | Band 41     | 20M         | 2636.5               | 41055         | QPSK | 1         | 0                  | Band 41     | 5M          | /           | /           | /           | /           | /           | /           | 18.65                        | 18.75                       | 19.90               |
|                                | Band 41     | 20M         | 2680                 | 41490         | QPSK | 1         | 0                  | Band 41     | 5M          | /           | /           | /           | /           | /           | /           | 18.75                        | 18.80                       | 19.90               |
| CA_2A-4A                       | Band 4      | 20M         | 1720                 | 20050         | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 20.22                        | 20.35                       | 21.40               |
|                                | Band 4      | 20M         | 1732.5               | 20175         | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 20.18                        | 20.27                       | 21.40               |
|                                | Band 4      | 20M         | 1745                 | 20300         | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 20.22                        | 20.31                       | 21.40               |
| CA_2A-38A                      | Band 38     | 20M         | 2580                 | 37850         | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 18.67                        | 18.77                       | 19.90               |
|                                | Band 38     | 20M         | 2595                 | 38000         | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 18.63                        | 18.78                       | 19.90               |
|                                | Band 38     | 20M         | 2610                 | 38150         | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 18.70                        | 18.85                       | 19.90               |
| CA_2A-66A                      | Band 66     | 20M         | 1720                 | 132072        | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 20.21                        | 20.29                       | 21.40               |
|                                | Band 66     | 20M         | 1745                 | 132322        | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 20.21                        | 20.32                       | 21.40               |
|                                | Band 66     | 20M         | 1770                 | 132572        | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 20.25                        | 20.35                       | 21.40               |
| CA_4A-5A                       | Band 4      | 20M         | 1720                 | 20050         | QPSK | 1         | 0                  | Band 5      | 10M         | /           | /           | /           | /           | /           | /           | 20.20                        | 20.31                       | 21.40               |
|                                | Band 4      | 20M         | 1732.5               | 20175         | QPSK | 1         | 0                  | Band 5      | 10M         | /           | /           | /           | /           | /           | /           | 20.15                        | 20.25                       | 21.40               |
|                                | Band 4      | 20M         | 1745                 | 20300         | QPSK | 1         | 0                  | Band 5      | 10M         | /           | /           | /           | /           | /           | /           | 20.26                        | 20.33                       | 21.40               |

|            |         |     |        |        |      |   |   |         |     |   |   |   |   |   |   |       |       |       |
|------------|---------|-----|--------|--------|------|---|---|---------|-----|---|---|---|---|---|---|-------|-------|-------|
| CA_4A-7A   | Band 4  | 20M | 1720   | 20050  | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 20.12 | 20.26 | 21.40 |
|            | Band 4  | 20M | 1732.5 | 20175  | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 20.16 | 20.30 | 21.40 |
|            | Band 4  | 20M | 1745   | 20300  | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 20.21 | 20.26 | 21.40 |
| CA_5A-38A  | Band 38 | 20M | 2580   | 37850  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 18.76 | 18.82 | 19.90 |
|            | Band 38 | 20M | 2595   | 38000  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 18.71 | 18.79 | 19.90 |
|            | Band 38 | 20M | 2610   | 38150  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 18.70 | 18.77 | 19.90 |
| CA_5A-41A  | Band 41 | 20M | 2506   | 39750  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 18.73 | 18.85 | 19.90 |
|            | Band 41 | 20M | 2549.5 | 40185  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 18.66 | 18.79 | 19.90 |
|            | Band 41 | 20M | 2593   | 40620  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 18.74 | 18.80 | 19.90 |
|            | Band 41 | 20M | 2636.5 | 41055  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 18.67 | 18.81 | 19.90 |
|            | Band 41 | 20M | 2680   | 41490  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 18.61 | 18.76 | 19.90 |
| CA_5A-66A  | Band 66 | 20M | 1720   | 132072 | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 20.12 | 20.27 | 21.40 |
|            | Band 66 | 20M | 1745   | 132322 | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 20.22 | 20.34 | 21.40 |
|            | Band 66 | 20M | 1770   | 132572 | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 20.24 | 20.31 | 21.40 |
| CA_7A-66A  | Band 66 | 20M | 1720   | 132072 | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 20.22 | 20.34 | 21.40 |
|            | Band 66 | 20M | 1745   | 132322 | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 20.25 | 20.32 | 21.40 |
|            | Band 66 | 20M | 1770   | 132572 | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 20.22 | 20.33 | 21.40 |
| CA_26A-38A | Band 38 | 20M | 2580   | 37850  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 18.67 | 18.76 | 19.90 |
|            | Band 38 | 20M | 2595   | 38000  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 18.66 | 18.79 | 19.90 |
|            | Band 38 | 20M | 2610   | 38150  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 18.60 | 18.75 | 19.90 |
| CA_26A-41A | Band 41 | 20M | 2506   | 39750  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 18.72 | 18.83 | 19.90 |
|            | Band 41 | 20M | 2549.5 | 40185  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 18.66 | 18.78 | 19.90 |
|            | Band 41 | 20M | 2593   | 40620  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 18.70 | 18.83 | 19.90 |
|            | Band 41 | 20M | 2636.5 | 41055  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 18.67 | 18.79 | 19.90 |
|            | Band 41 | 20M | 2680   | 41490  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 18.80 | 18.85 | 19.90 |
| CA_38A-66A | Band 38 | 20M | 2580   | 37850  | QPSK | 1 | 0 | Band 66 | 20M | / | / | / | / | / | / | 18.63 | 18.76 | 19.90 |
|            | Band 38 | 20M | 2595   | 38000  | QPSK | 1 | 0 | Band 66 | 20M | / | / | / | / | / | / | 18.70 | 18.75 | 19.90 |
|            | Band 38 | 20M | 2610   | 38150  | QPSK | 1 | 0 | Band 66 | 20M | / | / | / | / | / | / | 18.70 | 18.83 | 19.90 |
|            | Band 66 | 20M | 1720   | 132072 | QPSK | 1 | 0 | Band 38 | 20M | / | / | / | / | / | / | 20.13 | 20.26 | 21.40 |
|            | Band 66 | 20M | 1745   | 132322 | QPSK | 1 | 0 | Band 38 | 20M | / | / | / | / | / | / | 20.19 | 20.28 | 21.40 |
|            | Band 66 | 20M | 1770   | 132572 | QPSK | 1 | 0 | Band 38 | 20M | / | / | / | / | / | / | 20.26 | 20.32 | 21.40 |
| CA_66A-66A | Band 66 | 20M | 1720   | 132072 | QPSK | 1 | 0 | Band 66 | 5M  | / | / | / | / | / | / | 20.22 | 20.30 | 21.40 |
|            | Band 66 | 20M | 1745   | 132322 | QPSK | 1 | 0 | Band 66 | 5M  | / | / | / | / | / | / | 20.14 | 20.27 | 21.40 |
|            | Band 66 | 20M | 1770   | 132572 | QPSK | 1 | 0 | Band 66 | 5M  | / | / | / | / | / | / | 20.20 | 20.31 | 21.40 |

| DL LTE<br>CA<br>Class DSI<br>6 | PCC         |             |                      |               |      |           |                    | SCC1        |             | SCC2        |             | SCC3        |             | SCC3        |             | Power                        |                             | Tune<br>up<br>(dBm) |
|--------------------------------|-------------|-------------|----------------------|---------------|------|-----------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------------------|-----------------------------|---------------------|
|                                | LTE<br>Band | BW<br>(MHz) | UL<br>Freq.<br>(MHz) | UL<br>Channel | Mod. | UL#<br>RB | UL<br>RB<br>Offset | LTE<br>Band | BW<br>(MHz) | LTE<br>Band | BW<br>(MHz) | LTE<br>Band | BW<br>(MHz) | LTE<br>Band | BW<br>(MHz) | With CA<br>Tx.Power<br>(dBm) | W/O CA<br>Tx.Power<br>(dBm) |                     |
| CA_38C                         | Band 38     | 20M         | 2580                 | 37850         | QPSK | 1         | 0                  | Band 38     | 20M         | /           | /           | /           | /           | /           | /           | 22.21                        | 22.32                       | 23.40               |
|                                | Band 38     | 20M         | 2585.1               | 37901         | QPSK | 1         | 0                  | Band 38     | 20M         | /           | /           | /           | /           | /           | /           | 22.12                        | 22.25                       | 23.40               |
|                                | Band 38     | 20M         | 2610                 | 38150         | QPSK | 1         | 0                  | Band 38     | 20M         | /           | /           | /           | /           | /           | /           | 22.26                        | 22.31                       | 23.40               |
| CA_41C                         | Band 41     | 20M         | 2506                 | 39750         | QPSK | 1         | 0                  | Band 41     | 20M         | /           | /           | /           | /           | /           | /           | 22.23                        | 22.34                       | 23.40               |
|                                | Band 41     | 20M         | 2549.5               | 40185         | QPSK | 1         | 0                  | Band 41     | 20M         | /           | /           | /           | /           | /           | /           | 22.17                        | 22.28                       | 23.40               |
|                                | Band 41     | 20M         | 2593                 | 40620         | QPSK | 1         | 0                  | Band 41     | 20M         | /           | /           | /           | /           | /           | /           | 22.28                        | 22.33                       | 23.40               |
|                                | Band 41     | 20M         | 2636.5               | 41055         | QPSK | 1         | 0                  | Band 41     | 20M         | /           | /           | /           | /           | /           | /           | 22.18                        | 22.26                       | 23.40               |
|                                | Band 41     | 20M         | 2680                 | 41490         | QPSK | 1         | 0                  | Band 41     | 20M         | /           | /           | /           | /           | /           | /           | 22.17                        | 22.31                       | 23.40               |
| CA_66C                         | Band 66     | 20M         | 1720                 | 132072        | QPSK | 1         | 0                  | Band 66     | 20M         | /           | /           | /           | /           | /           | /           | 23.25                        | 23.33                       | 24.40               |
|                                | Band 66     | 20M         | 1745                 | 132322        | QPSK | 1         | 0                  | Band 66     | 20M         | /           | /           | /           | /           | /           | /           | 23.24                        | 23.33                       | 24.40               |
|                                | Band 66     | 20M         | 1770                 | 132572        | QPSK | 1         | 0                  | Band 66     | 20M         | /           | /           | /           | /           | /           | /           | 23.21                        | 23.34                       | 24.40               |
| CA_66B                         | Band 66     | 15M         | 1717.5               | 132047        | QPSK | 1         | 0                  | Band 66     | 5M          | /           | /           | /           | /           | /           | /           | 23.23                        | 23.28                       | 24.40               |
|                                | Band 66     | 15M         | 1745                 | 132322        | QPSK | 1         | 0                  | Band 66     | 5M          | /           | /           | /           | /           | /           | /           | 23.23                        | 23.32                       | 24.40               |
|                                | Band 66     | 15M         | 1772.5               | 132597        | QPSK | 1         | 0                  | Band 66     | 5M          | /           | /           | /           | /           | /           | /           | 23.22                        | 23.31                       | 24.40               |
| CA_4A-4A                       | Band 4      | 20M         | 1720                 | 20050         | QPSK | 1         | 0                  | Band 4      | 5M          | /           | /           | /           | /           | /           | /           | 23.29                        | 23.34                       | 24.40               |
|                                | Band 4      | 20M         | 1732.5               | 20175         | QPSK | 1         | 0                  | Band 4      | 5M          | /           | /           | /           | /           | /           | /           | 23.22                        | 23.28                       | 24.40               |
|                                | Band 4      | 20M         | 1745                 | 20300         | QPSK | 1         | 0                  | Band 4      | 5M          | /           | /           | /           | /           | /           | /           | 23.26                        | 23.33                       | 24.40               |
| CA_41A-41A                     | Band 41     | 20M         | 2506                 | 39750         | QPSK | 1         | 0                  | Band 41     | 5M          | /           | /           | /           | /           | /           | /           | 22.28                        | 22.34                       | 23.40               |
|                                | Band 41     | 20M         | 2549.5               | 40185         | QPSK | 1         | 0                  | Band 41     | 5M          | /           | /           | /           | /           | /           | /           | 22.21                        | 22.35                       | 23.40               |
|                                | Band 41     | 20M         | 2593                 | 40620         | QPSK | 1         | 0                  | Band 41     | 5M          | /           | /           | /           | /           | /           | /           | 22.21                        | 22.31                       | 23.40               |
|                                | Band 41     | 20M         | 2636.5               | 41055         | QPSK | 1         | 0                  | Band 41     | 5M          | /           | /           | /           | /           | /           | /           | 22.20                        | 22.31                       | 23.40               |
|                                | Band 41     | 20M         | 2680                 | 41490         | QPSK | 1         | 0                  | Band 41     | 5M          | /           | /           | /           | /           | /           | /           | 22.23                        | 22.33                       | 23.40               |
| CA_2A-4A                       | Band 4      | 20M         | 1720                 | 20050         | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 23.30                        | 23.35                       | 24.40               |
|                                | Band 4      | 20M         | 1732.5               | 20175         | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 23.11                        | 23.25                       | 24.40               |
|                                | Band 4      | 20M         | 1745                 | 20300         | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 23.15                        | 23.30                       | 24.40               |
| CA_2A-38A                      | Band 38     | 20M         | 2580                 | 37850         | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 22.21                        | 22.26                       | 23.40               |
|                                | Band 38     | 20M         | 2595                 | 38000         | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 22.21                        | 22.30                       | 23.40               |
|                                | Band 38     | 20M         | 2610                 | 38150         | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 22.11                        | 22.26                       | 23.40               |
| CA_2A-66A                      | Band 66     | 20M         | 1720                 | 132072        | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 23.22                        | 23.29                       | 24.40               |
|                                | Band 66     | 20M         | 1745                 | 132322        | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 23.17                        | 23.27                       | 24.40               |
|                                | Band 66     | 20M         | 1770                 | 132572        | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 23.26                        | 23.35                       | 24.40               |
| CA_4A-5A                       | Band 4      | 20M         | 1720                 | 20050         | QPSK | 1         | 0                  | Band 5      | 10M         | /           | /           | /           | /           | /           | /           | 23.11                        | 23.26                       | 24.40               |
|                                | Band 4      | 20M         | 1732.5               | 20175         | QPSK | 1         | 0                  | Band 5      | 10M         | /           | /           | /           | /           | /           | /           | 23.22                        | 23.31                       | 24.40               |
|                                | Band 4      | 20M         | 1745                 | 20300         | QPSK | 1         | 0                  | Band 5      | 10M         | /           | /           | /           | /           | /           | /           | 23.22                        | 23.31                       | 24.40               |

|            |         |     |        |        |      |   |   |         |     |   |   |   |   |   |   |       |       |       |
|------------|---------|-----|--------|--------|------|---|---|---------|-----|---|---|---|---|---|---|-------|-------|-------|
| CA_4A-7A   | Band 4  | 20M | 1720   | 20050  | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 23.21 | 23.32 | 24.40 |
|            | Band 4  | 20M | 1732.5 | 20175  | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 23.29 | 23.35 | 24.40 |
|            | Band 4  | 20M | 1745   | 20300  | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 23.17 | 23.28 | 24.40 |
| CA_5A-38A  | Band 38 | 20M | 2580   | 37850  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 22.15 | 22.28 | 23.40 |
|            | Band 38 | 20M | 2595   | 38000  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 22.24 | 22.29 | 23.40 |
|            | Band 38 | 20M | 2610   | 38150  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 22.17 | 22.26 | 23.40 |
| CA_5A-41A  | Band 41 | 20M | 2506   | 39750  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 22.27 | 22.32 | 23.40 |
|            | Band 41 | 20M | 2549.5 | 40185  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 22.14 | 22.27 | 23.40 |
|            | Band 41 | 20M | 2593   | 40620  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 22.24 | 22.33 | 23.40 |
|            | Band 41 | 20M | 2636.5 | 41055  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 22.17 | 22.29 | 23.40 |
|            | Band 41 | 20M | 2680   | 41490  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 22.24 | 22.35 | 23.40 |
| CA_5A-66A  | Band 66 | 20M | 1720   | 132072 | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 23.19 | 23.28 | 24.40 |
|            | Band 66 | 20M | 1745   | 132322 | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 23.21 | 23.30 | 24.40 |
|            | Band 66 | 20M | 1770   | 132572 | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 23.20 | 23.30 | 24.40 |
| CA_7A-66A  | Band 66 | 20M | 1720   | 132072 | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 23.16 | 23.31 | 24.40 |
|            | Band 66 | 20M | 1745   | 132322 | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 23.25 | 23.30 | 24.40 |
|            | Band 66 | 20M | 1770   | 132572 | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 23.27 | 23.34 | 24.40 |
| CA_26A-38A | Band 38 | 20M | 2580   | 37850  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 22.14 | 22.27 | 23.40 |
|            | Band 38 | 20M | 2595   | 38000  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 22.13 | 22.28 | 23.40 |
|            | Band 38 | 20M | 2610   | 38150  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 22.22 | 22.27 | 23.40 |
| CA_26A-41A | Band 41 | 20M | 2506   | 39750  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 22.15 | 22.28 | 23.40 |
|            | Band 41 | 20M | 2549.5 | 40185  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 22.20 | 22.25 | 23.40 |
|            | Band 41 | 20M | 2593   | 40620  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 22.21 | 22.33 | 23.40 |
|            | Band 41 | 20M | 2636.5 | 41055  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 22.17 | 22.32 | 23.40 |
|            | Band 41 | 20M | 2680   | 41490  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 22.25 | 22.34 | 23.40 |
| CA_38A-66A | Band 38 | 20M | 2580   | 37850  | QPSK | 1 | 0 | Band 66 | 20M | / | / | / | / | / | / | 22.27 | 22.33 | 23.40 |
|            | Band 38 | 20M | 2595   | 38000  | QPSK | 1 | 0 | Band 66 | 20M | / | / | / | / | / | / | 22.21 | 22.29 | 23.40 |
|            | Band 38 | 20M | 2610   | 38150  | QPSK | 1 | 0 | Band 66 | 20M | / | / | / | / | / | / | 22.21 | 22.33 | 23.40 |
|            | Band 66 | 20M | 1720   | 132072 | QPSK | 1 | 0 | Band 38 | 20M | / | / | / | / | / | / | 23.22 | 23.27 | 24.40 |
|            | Band 66 | 20M | 1745   | 132322 | QPSK | 1 | 0 | Band 38 | 20M | / | / | / | / | / | / | 23.19 | 23.27 | 24.40 |
|            | Band 66 | 20M | 1770   | 132572 | QPSK | 1 | 0 | Band 38 | 20M | / | / | / | / | / | / | 23.16 | 23.28 | 24.40 |
| CA_66A-66A | Band 66 | 20M | 1720   | 132072 | QPSK | 1 | 0 | Band 66 | 5M  | / | / | / | / | / | / | 23.24 | 23.31 | 24.40 |
|            | Band 66 | 20M | 1745   | 132322 | QPSK | 1 | 0 | Band 66 | 5M  | / | / | / | / | / | / | 23.21 | 23.31 | 24.40 |
|            | Band 66 | 20M | 1770   | 132572 | QPSK | 1 | 0 | Band 66 | 5M  | / | / | / | / | / | / | 23.18 | 23.28 | 24.40 |

| DL LTE<br>CA<br>Class DSI<br>8 | PCC         |             |                      |               |      |           |                    | SCC1        |             | SCC2        |             | SCC3        |             | SCC3        |             | Power                        |                             | Tune<br>up<br>(dBm) |
|--------------------------------|-------------|-------------|----------------------|---------------|------|-----------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------------------|-----------------------------|---------------------|
|                                | LTE<br>Band | BW<br>(MHz) | UL<br>Freq.<br>(MHz) | UL<br>Channel | Mod. | UL#<br>RB | UL<br>RB<br>Offset | LTE<br>Band | BW<br>(MHz) | LTE<br>Band | BW<br>(MHz) | LTE<br>Band | BW<br>(MHz) | LTE<br>Band | BW<br>(MHz) | With CA<br>Tx.Power<br>(dBm) | W/O CA<br>Tx.Power<br>(dBm) |                     |
| CA_38C                         | Band 38     | 20M         | 2580                 | 37850         | QPSK | 1         | 0                  | Band 38     | 20M         | /           | /           | /           | /           | /           | /           | 19.70                        | 19.77                       | 20.90               |
|                                | Band 38     | 20M         | 2585.1               | 37901         | QPSK | 1         | 0                  | Band 38     | 20M         | /           | /           | /           | /           | /           | /           | 19.65                        | 19.79                       | 20.90               |
|                                | Band 38     | 20M         | 2610                 | 38150         | QPSK | 1         | 0                  | Band 38     | 20M         | /           | /           | /           | /           | /           | /           | 19.76                        | 19.84                       | 20.90               |
| CA_41C                         | Band 41     | 20M         | 2506                 | 39750         | QPSK | 1         | 0                  | Band 41     | 20M         | /           | /           | /           | /           | /           | /           | 19.66                        | 19.77                       | 20.90               |
|                                | Band 41     | 20M         | 2549.5               | 40185         | QPSK | 1         | 0                  | Band 41     | 20M         | /           | /           | /           | /           | /           | /           | 19.72                        | 19.81                       | 20.90               |
|                                | Band 41     | 20M         | 2593                 | 40620         | QPSK | 1         | 0                  | Band 41     | 20M         | /           | /           | /           | /           | /           | /           | 19.73                        | 19.84                       | 20.90               |
|                                | Band 41     | 20M         | 2636.5               | 41055         | QPSK | 1         | 0                  | Band 41     | 20M         | /           | /           | /           | /           | /           | /           | 19.73                        | 19.84                       | 20.90               |
|                                | Band 41     | 20M         | 2680                 | 41490         | QPSK | 1         | 0                  | Band 41     | 20M         | /           | /           | /           | /           | /           | /           | 19.74                        | 19.81                       | 20.90               |
| CA_66C                         | Band 66     | 20M         | 1720                 | 132072        | QPSK | 1         | 0                  | Band 66     | 20M         | /           | /           | /           | /           | /           | /           | 20.70                        | 20.79                       | 21.90               |
|                                | Band 66     | 20M         | 1745                 | 132322        | QPSK | 1         | 0                  | Band 66     | 20M         | /           | /           | /           | /           | /           | /           | 20.70                        | 20.84                       | 21.90               |
|                                | Band 66     | 20M         | 1770                 | 132572        | QPSK | 1         | 0                  | Band 66     | 20M         | /           | /           | /           | /           | /           | /           | 20.74                        | 20.85                       | 21.90               |
| CA_66B                         | Band 66     | 15M         | 1717.5               | 132047        | QPSK | 1         | 0                  | Band 66     | 5M          | /           | /           | /           | /           | /           | /           | 20.70                        | 20.82                       | 21.90               |
|                                | Band 66     | 15M         | 1745                 | 132322        | QPSK | 1         | 0                  | Band 66     | 5M          | /           | /           | /           | /           | /           | /           | 20.67                        | 20.79                       | 21.90               |
|                                | Band 66     | 15M         | 1772.5               | 132597        | QPSK | 1         | 0                  | Band 66     | 5M          | /           | /           | /           | /           | /           | /           | 20.79                        | 20.84                       | 21.90               |
| CA_4A-4A                       | Band 4      | 20M         | 1720                 | 20050         | QPSK | 1         | 0                  | Band 4      | 5M          | /           | /           | /           | /           | /           | /           | 20.75                        | 20.81                       | 21.90               |
|                                | Band 4      | 20M         | 1732.5               | 20175         | QPSK | 1         | 0                  | Band 4      | 5M          | /           | /           | /           | /           | /           | /           | 20.69                        | 20.79                       | 21.90               |
|                                | Band 4      | 20M         | 1745                 | 20300         | QPSK | 1         | 0                  | Band 4      | 5M          | /           | /           | /           | /           | /           | /           | 20.67                        | 20.76                       | 21.90               |
| CA_41A-41A                     | Band 41     | 20M         | 2506                 | 39750         | QPSK | 1         | 0                  | Band 41     | 5M          | /           | /           | /           | /           | /           | /           | 19.68                        | 19.83                       | 20.90               |
|                                | Band 41     | 20M         | 2549.5               | 40185         | QPSK | 1         | 0                  | Band 41     | 5M          | /           | /           | /           | /           | /           | /           | 19.68                        | 19.83                       | 20.90               |
|                                | Band 41     | 20M         | 2593                 | 40620         | QPSK | 1         | 0                  | Band 41     | 5M          | /           | /           | /           | /           | /           | /           | 19.68                        | 19.76                       | 20.90               |
|                                | Band 41     | 20M         | 2636.5               | 41055         | QPSK | 1         | 0                  | Band 41     | 5M          | /           | /           | /           | /           | /           | /           | 19.60                        | 19.75                       | 20.90               |
|                                | Band 41     | 20M         | 2680                 | 41490         | QPSK | 1         | 0                  | Band 41     | 5M          | /           | /           | /           | /           | /           | /           | 19.72                        | 19.82                       | 20.90               |
| CA_2A-4A                       | Band 4      | 20M         | 1720                 | 20050         | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 20.73                        | 20.82                       | 21.90               |
|                                | Band 4      | 20M         | 1732.5               | 20175         | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 20.72                        | 20.84                       | 21.90               |
|                                | Band 4      | 20M         | 1745                 | 20300         | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 20.71                        | 20.85                       | 21.90               |
| CA_2A-38A                      | Band 38     | 20M         | 2580                 | 37850         | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 19.64                        | 19.75                       | 20.90               |
|                                | Band 38     | 20M         | 2595                 | 38000         | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 19.66                        | 19.76                       | 20.90               |
|                                | Band 38     | 20M         | 2610                 | 38150         | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 19.66                        | 19.77                       | 20.90               |
| CA_2A-66A                      | Band 66     | 20M         | 1720                 | 132072        | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 20.70                        | 20.76                       | 21.90               |
|                                | Band 66     | 20M         | 1745                 | 132322        | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 20.70                        | 20.77                       | 21.90               |
|                                | Band 66     | 20M         | 1770                 | 132572        | QPSK | 1         | 0                  | Band 2      | 20M         | /           | /           | /           | /           | /           | /           | 20.73                        | 20.78                       | 21.90               |
| CA_4A-5A                       | Band 4      | 20M         | 1720                 | 20050         | QPSK | 1         | 0                  | Band 5      | 10M         | /           | /           | /           | /           | /           | /           | 20.71                        | 20.83                       | 21.90               |
|                                | Band 4      | 20M         | 1732.5               | 20175         | QPSK | 1         | 0                  | Band 5      | 10M         | /           | /           | /           | /           | /           | /           | 20.69                        | 20.82                       | 21.90               |
|                                | Band 4      | 20M         | 1745                 | 20300         | QPSK | 1         | 0                  | Band 5      | 10M         | /           | /           | /           | /           | /           | /           | 20.60                        | 20.75                       | 21.90               |

|            |         |     |        |        |      |   |   |         |     |   |   |   |   |   |   |       |       |       |
|------------|---------|-----|--------|--------|------|---|---|---------|-----|---|---|---|---|---|---|-------|-------|-------|
| CA_4A-7A   | Band 4  | 20M | 1720   | 20050  | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 20.60 | 20.75 | 21.90 |
|            | Band 4  | 20M | 1732.5 | 20175  | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 20.70 | 20.76 | 21.90 |
|            | Band 4  | 20M | 1745   | 20300  | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 20.67 | 20.82 | 21.90 |
| CA_5A-38A  | Band 38 | 20M | 2580   | 37850  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 19.65 | 19.76 | 20.90 |
|            | Band 38 | 20M | 2595   | 38000  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 19.74 | 19.84 | 20.90 |
|            | Band 38 | 20M | 2610   | 38150  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 19.70 | 19.75 | 20.90 |
| CA_5A-41A  | Band 41 | 20M | 2506   | 39750  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 19.64 | 19.79 | 20.90 |
|            | Band 41 | 20M | 2549.5 | 40185  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 19.69 | 19.76 | 20.90 |
|            | Band 41 | 20M | 2593   | 40620  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 19.74 | 19.81 | 20.90 |
|            | Band 41 | 20M | 2636.5 | 41055  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 19.72 | 19.77 | 20.90 |
|            | Band 41 | 20M | 2680   | 41490  | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 19.66 | 19.77 | 20.90 |
| CA_5A-66A  | Band 66 | 20M | 1720   | 132072 | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 20.70 | 20.82 | 21.90 |
|            | Band 66 | 20M | 1745   | 132322 | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 20.66 | 20.76 | 21.90 |
|            | Band 66 | 20M | 1770   | 132572 | QPSK | 1 | 0 | Band 5  | 10M | / | / | / | / | / | / | 20.67 | 20.81 | 21.90 |
| CA_7A-66A  | Band 66 | 20M | 1720   | 132072 | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 20.69 | 20.80 | 21.90 |
|            | Band 66 | 20M | 1745   | 132322 | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 20.77 | 20.84 | 21.90 |
|            | Band 66 | 20M | 1770   | 132572 | QPSK | 1 | 0 | Band 7  | 20M | / | / | / | / | / | / | 20.74 | 20.82 | 21.90 |
| CA_26A-38A | Band 38 | 20M | 2580   | 37850  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 19.75 | 19.80 | 20.90 |
|            | Band 38 | 20M | 2595   | 38000  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 19.61 | 19.75 | 20.90 |
|            | Band 38 | 20M | 2610   | 38150  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 19.72 | 19.81 | 20.90 |
| CA_26A-41A | Band 41 | 20M | 2506   | 39750  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 19.78 | 19.83 | 20.90 |
|            | Band 41 | 20M | 2549.5 | 40185  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 19.66 | 19.75 | 20.90 |
|            | Band 41 | 20M | 2593   | 40620  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 19.70 | 19.80 | 20.90 |
|            | Band 41 | 20M | 2636.5 | 41055  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 19.64 | 19.76 | 20.90 |
|            | Band 41 | 20M | 2680   | 41490  | QPSK | 1 | 0 | Band 26 | 15M | / | / | / | / | / | / | 19.64 | 19.78 | 20.90 |
| CA_38A-66A | Band 38 | 20M | 2580   | 37850  | QPSK | 1 | 0 | Band 66 | 20M | / | / | / | / | / | / | 19.74 | 19.83 | 20.90 |
|            | Band 38 | 20M | 2595   | 38000  | QPSK | 1 | 0 | Band 66 | 20M | / | / | / | / | / | / | 19.66 | 19.78 | 20.90 |
|            | Band 38 | 20M | 2610   | 38150  | QPSK | 1 | 0 | Band 66 | 20M | / | / | / | / | / | / | 19.78 | 19.84 | 20.90 |
|            | Band 66 | 20M | 1720   | 132072 | QPSK | 1 | 0 | Band 38 | 20M | / | / | / | / | / | / | 20.70 | 20.80 | 21.90 |
|            | Band 66 | 20M | 1745   | 132322 | QPSK | 1 | 0 | Band 38 | 20M | / | / | / | / | / | / | 20.69 | 20.77 | 21.90 |
|            | Band 66 | 20M | 1770   | 132572 | QPSK | 1 | 0 | Band 38 | 20M | / | / | / | / | / | / | 20.78 | 20.84 | 21.90 |
| CA_66A-66A | Band 66 | 20M | 1720   | 132072 | QPSK | 1 | 0 | Band 66 | 5M  | / | / | / | / | / | / | 20.69 | 20.83 | 21.90 |
|            | Band 66 | 20M | 1745   | 132322 | QPSK | 1 | 0 | Band 66 | 5M  | / | / | / | / | / | / | 20.69 | 20.83 | 21.90 |
|            | Band 66 | 20M | 1770   | 132572 | QPSK | 1 | 0 | Band 66 | 5M  | / | / | / | / | / | / | 20.67 | 20.78 | 21.90 |

## 6 Conducted Power of Inter Band LTE Uplink CA

### 6.1 Conducted Power of LTE Uplink CA (Ant11)

| LTE Band 7 DSI 5/6 |            |         |           | Conducted Power(dBm) |         |         |         |
|--------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                    |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz               | QPSK       | 1       | 0         | 18.59                | 18.67   | 18.46   | 20.00   |
|                    |            | 1       | 13        | 18.43                | 18.52   | 18.44   | 20.00   |
|                    |            | 1       | 24        | 18.57                | 18.52   | 18.48   | 20.00   |
|                    |            | 12      | 0         | 18.37                | 18.70   | 18.41   | 20.00   |
|                    |            | 12      | 6         | 18.58                | 18.35   | 18.42   | 20.00   |
|                    |            | 12      | 13        | 18.59                | 18.58   | 18.50   | 20.00   |
|                    |            | 25      | 0         | 18.56                | 18.56   | 18.43   | 20.00   |
|                    | 16QAM      | 1       | 0         | 18.78                | 18.75   | 18.64   | 20.00   |
|                    |            | 1       | 13        | 18.71                | 18.60   | 18.74   | 20.00   |
|                    |            | 1       | 24        | 18.45                | 18.66   | 18.55   | 20.00   |
|                    |            | 12      | 0         | 18.59                | 18.56   | 18.41   | 20.00   |
|                    |            | 12      | 6         | 18.46                | 18.47   | 18.59   | 20.00   |
|                    |            | 12      | 13        | 18.40                | 18.37   | 18.57   | 20.00   |
|                    |            | 25      | 0         | 18.60                | 18.57   | 18.57   | 20.00   |
|                    | 64QAM      | 1       | 0         | 18.62                | 18.54   | 18.65   | 20.00   |
|                    |            | 1       | 13        | 18.36                | 18.51   | 18.46   | 20.00   |
|                    |            | 1       | 24        | 18.61                | 18.45   | 18.48   | 20.00   |
|                    |            | 12      | 0         | 18.72                | 18.56   | 18.56   | 20.00   |
|                    |            | 12      | 6         | 18.58                | 18.46   | 18.58   | 20.00   |
|                    |            | 12      | 13        | 18.40                | 18.65   | 18.46   | 20.00   |
|                    |            | 25      | 0         | 18.48                | 18.32   | 18.42   | 20.00   |
| Bandwidth          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                    |            |         |           | 20800                | 21100   | 21400   |         |
| 10MHz              | QPSK       | 1       | 0         | 18.34                | 18.65   | 18.45   | 20.00   |
|                    |            | 1       | 25        | 18.52                | 18.53   | 18.54   | 20.00   |
|                    |            | 1       | 49        | 18.46                | 18.48   | 18.49   | 20.00   |
|                    |            | 25      | 0         | 18.53                | 18.54   | 18.64   | 20.00   |
|                    |            | 25      | 13        | 18.73                | 18.45   | 18.62   | 20.00   |
|                    |            | 25      | 25        | 18.41                | 18.43   | 18.64   | 20.00   |
|                    |            | 50      | 0         | 18.38                | 18.43   | 18.35   | 20.00   |
|                    | 16QAM      | 1       | 0         | 18.86                | 18.61   | 18.64   | 20.00   |
|                    |            | 1       | 25        | 18.53                | 18.71   | 18.63   | 20.00   |
|                    |            | 1       | 49        | 18.41                | 18.58   | 18.65   | 20.00   |
|                    |            | 25      | 0         | 18.60                | 18.44   | 18.42   | 20.00   |
|                    |            | 25      | 13        | 18.54                | 18.68   | 18.56   | 20.00   |
|                    |            | 25      | 25        | 18.51                | 18.53   | 18.58   | 20.00   |
|                    |            | 50      | 0         | 18.44                | 18.40   | 18.55   | 20.00   |
|                    | 64QAM      | 1       | 0         | 18.47                | 18.75   | 18.50   | 20.00   |
|                    |            | 1       | 25        | 18.59                | 18.51   | 18.53   | 20.00   |
|                    |            | 1       | 49        | 18.63                | 18.60   | 18.66   | 20.00   |
|                    |            | 25      | 0         | 18.50                | 18.56   | 18.54   | 20.00   |
|                    |            | 25      | 13        | 18.65                | 18.41   | 18.56   | 20.00   |
|                    |            | 25      | 25        | 18.54                | 18.53   | 18.45   | 20.00   |

|           |            | 50      | 0         | 18.52   | 18.46   | 18.35   | 20.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20825   | 21100   | 21375   |         |
| 15MHz     | QPSK       | 1       | 0         | 18.52   | 18.64   | 18.40   | 20.00   |
|           |            | 1       | 38        | 18.52   | 18.50   | 18.60   | 20.00   |
|           |            | 1       | 74        | 18.58   | 18.40   | 18.60   | 20.00   |
|           |            | 36      | 0         | 18.42   | 18.61   | 18.46   | 20.00   |
|           |            | 36      | 18        | 18.65   | 18.59   | 18.44   | 20.00   |
|           |            | 36      | 39        | 18.64   | 18.62   | 18.57   | 20.00   |
|           |            | 75      | 0         | 18.34   | 18.43   | 18.56   | 20.00   |
|           | 16QAM      | 1       | 0         | 18.80   | 18.68   | 18.64   | 20.00   |
|           |            | 1       | 38        | 18.67   | 18.56   | 18.74   | 20.00   |
|           |            | 1       | 74        | 18.40   | 18.52   | 18.75   | 20.00   |
|           |            | 36      | 0         | 18.69   | 18.48   | 18.61   | 20.00   |
|           |            | 36      | 18        | 18.40   | 18.67   | 18.52   | 20.00   |
|           |            | 36      | 39        | 18.64   | 18.36   | 18.62   | 20.00   |
|           |            | 75      | 0         | 18.45   | 18.46   | 18.63   | 20.00   |
|           | 64QAM      | 1       | 0         | 18.45   | 18.70   | 18.43   | 20.00   |
|           |            | 1       | 38        | 18.39   | 18.63   | 18.48   | 20.00   |
|           |            | 1       | 74        | 18.61   | 18.39   | 18.63   | 20.00   |
|           |            | 36      | 0         | 18.56   | 18.49   | 18.63   | 20.00   |
|           |            | 36      | 18        | 18.61   | 18.42   | 18.40   | 20.00   |
|           |            | 36      | 39        | 18.42   | 18.65   | 18.52   | 20.00   |
|           |            | 75      | 0         | 18.48   | 18.47   | 18.40   | 20.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 18.49   | 18.63   | 18.51   | 20.00   |
|           |            | 1       | 50        | 18.49   | 18.49   | 18.53   | 20.00   |
|           |            | 1       | 99        | 18.58   | 18.48   | 18.61   | 20.00   |
|           |            | 50      | 0         | 18.49   | 18.64   | 18.54   | 20.00   |
|           |            | 50      | 25        | 18.64   | 18.49   | 18.53   | 20.00   |
|           |            | 50      | 50        | 18.56   | 18.54   | 18.54   | 20.00   |
|           |            | 100     | 0         | 18.49   | 18.58   | 18.48   | 20.00   |
|           | 16QAM      | 1       | 0         | 18.79   | 18.73   | 18.66   | 20.00   |
|           |            | 1       | 50        | 18.64   | 18.70   | 18.69   | 20.00   |
|           |            | 1       | 99        | 18.53   | 18.67   | 18.69   | 20.00   |
|           |            | 50      | 0         | 18.60   | 18.56   | 18.53   | 20.00   |
|           |            | 50      | 25        | 18.49   | 18.58   | 18.50   | 20.00   |
|           |            | 50      | 50        | 18.54   | 18.50   | 18.60   | 20.00   |
|           |            | 100     | 0         | 18.57   | 18.55   | 18.56   | 20.00   |
|           | 64QAM      | 1       | 0         | 18.60   | 18.65   | 18.55   | 20.00   |
|           |            | 1       | 50        | 18.50   | 18.66   | 18.61   | 20.00   |
|           |            | 1       | 99        | 18.66   | 18.54   | 18.62   | 20.00   |
|           |            | 50      | 0         | 18.65   | 18.56   | 18.60   | 20.00   |
|           |            | 50      | 25        | 18.62   | 18.52   | 18.53   | 20.00   |
|           |            | 50      | 50        | 18.48   | 18.59   | 18.53   | 20.00   |
|           |            | 100     | 0         | 18.52   | 18.45   | 18.47   | 20.00   |

| LTE Band 7 DSI 7/8 |            |         |           | Conducted Power(dBm) |         |         |         |
|--------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                    |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz               | QPSK       | 1       | 0         | 15.41                | 15.73   | 15.48   | 17.00   |
|                    |            | 1       | 13        | 15.56                | 15.60   | 15.46   | 17.00   |
|                    |            | 1       | 24        | 15.57                | 15.63   | 15.60   | 17.00   |
|                    |            | 12      | 0         | 15.56                | 15.59   | 15.51   | 17.00   |
|                    |            | 12      | 6         | 15.66                | 15.48   | 15.49   | 17.00   |
|                    |            | 12      | 13        | 15.62                | 15.52   | 15.46   | 17.00   |
|                    |            | 25      | 0         | 15.55                | 15.56   | 15.48   | 17.00   |
|                    | 16QAM      | 1       | 0         | 15.62                | 15.61   | 15.63   | 17.00   |
|                    |            | 1       | 13        | 15.71                | 15.71   | 15.62   | 17.00   |
|                    |            | 1       | 24        | 15.53                | 15.64   | 15.67   | 17.00   |
|                    |            | 12      | 0         | 15.54                | 15.65   | 15.43   | 17.00   |
|                    |            | 12      | 6         | 15.48                | 15.55   | 15.53   | 17.00   |
|                    |            | 12      | 13        | 15.70                | 15.52   | 15.66   | 17.00   |
|                    |            | 25      | 0         | 15.58                | 15.51   | 15.54   | 17.00   |
|                    | 64QAM      | 1       | 0         | 15.62                | 15.53   | 15.62   | 17.00   |
|                    |            | 1       | 13        | 15.65                | 15.57   | 15.48   | 17.00   |
|                    |            | 1       | 24        | 15.57                | 15.53   | 15.57   | 17.00   |
|                    |            | 12      | 0         | 15.69                | 15.50   | 15.49   | 17.00   |
|                    |            | 12      | 6         | 15.66                | 15.64   | 15.60   | 17.00   |
|                    |            | 12      | 13        | 15.58                | 15.45   | 15.53   | 17.00   |
|                    |            | 25      | 0         | 15.53                | 15.60   | 15.61   | 17.00   |
| Bandwidth          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                    |            |         |           | 20800                | 21100   | 21400   |         |
| 10MHz              | QPSK       | 1       | 0         | 15.45                | 15.76   | 15.47   | 17.00   |
|                    |            | 1       | 25        | 15.49                | 15.54   | 15.40   | 17.00   |
|                    |            | 1       | 49        | 15.66                | 15.49   | 15.53   | 17.00   |
|                    |            | 25      | 0         | 15.59                | 15.55   | 15.53   | 17.00   |
|                    |            | 25      | 13        | 15.68                | 15.53   | 15.45   | 17.00   |
|                    |            | 25      | 25        | 15.60                | 15.50   | 15.57   | 17.00   |
|                    |            | 50      | 0         | 15.67                | 15.60   | 15.39   | 17.00   |
|                    | 16QAM      | 1       | 0         | 15.64                | 15.73   | 15.63   | 17.00   |
|                    |            | 1       | 25        | 15.74                | 15.74   | 15.68   | 17.00   |
|                    |            | 1       | 49        | 15.63                | 15.74   | 15.70   | 17.00   |
|                    |            | 25      | 0         | 15.54                | 15.60   | 15.55   | 17.00   |
|                    |            | 25      | 13        | 15.56                | 15.55   | 15.43   | 17.00   |
|                    |            | 25      | 25        | 15.64                | 15.60   | 15.64   | 17.00   |
|                    |            | 50      | 0         | 15.63                | 15.60   | 15.54   | 17.00   |
|                    | 64QAM      | 1       | 0         | 15.65                | 15.56   | 15.59   | 17.00   |
|                    |            | 1       | 25        | 15.71                | 15.65   | 15.60   | 17.00   |
|                    |            | 1       | 49        | 15.69                | 15.44   | 15.51   | 17.00   |
|                    |            | 25      | 0         | 15.58                | 15.53   | 15.53   | 17.00   |
|                    |            | 25      | 13        | 15.64                | 15.63   | 15.58   | 17.00   |
|                    |            | 25      | 25        | 15.53                | 15.43   | 15.59   | 17.00   |
|                    |            | 50      | 0         | 15.43                | 15.58   | 15.58   | 17.00   |
| Bandwidth          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |

|           |            |         |           | 20825            | 21100            | 21375            |         |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
| 15MHz     | QPSK       | 1       | 0         | 15.53            | 15.63            | 15.60            | 17.00   |
|           |            | 1       | 38        | 15.57            | 15.51            | 15.39            | 17.00   |
|           |            | 1       | 74        | 15.61            | 15.53            | 15.45            | 17.00   |
|           |            | 36      | 0         | 15.50            | 15.61            | 15.55            | 17.00   |
|           |            | 36      | 18        | 15.62            | 15.48            | 15.56            | 17.00   |
|           |            | 36      | 39        | 15.47            | 15.56            | 15.57            | 17.00   |
|           |            | 75      | 0         | 15.54            | 15.51            | 15.53            | 17.00   |
|           | 16QAM      | 1       | 0         | 15.72            | 15.75            | 15.63            | 17.00   |
|           |            | 1       | 38        | 15.76            | 15.60            | 15.68            | 17.00   |
|           |            | 1       | 74        | 15.61            | 15.75            | 15.65            | 17.00   |
|           |            | 36      | 0         | 15.63            | 15.68            | 15.53            | 17.00   |
|           |            | 36      | 18        | 15.43            | 15.64            | 15.44            | 17.00   |
|           |            | 36      | 39        | 15.57            | 15.51            | 15.63            | 17.00   |
|           |            | 75      | 0         | 15.55            | 15.62            | 15.56            | 17.00   |
|           | 64QAM      | 1       | 0         | 15.60            | 15.56            | 15.69            | 17.00   |
|           |            | 1       | 38        | 15.63            | 15.61            | 15.50            | 17.00   |
|           |            | 1       | 74        | 15.68            | 15.45            | 15.51            | 17.00   |
|           |            | 36      | 0         | 15.57            | 15.43            | 15.53            | 17.00   |
|           |            | 36      | 18        | 15.58            | 15.59            | 15.60            | 17.00   |
|           |            | 36      | 39        | 15.54            | 15.45            | 15.43            | 17.00   |
|           |            | 75      | 0         | 15.44            | 15.56            | 15.57            | 17.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20850 | Channel<br>21100 | Channel<br>21350 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 15.44            | 15.66            | 15.48            | 17.00   |
|           |            | 1       | 50        | 15.50            | 15.67            | 15.42            | 17.00   |
|           |            | 1       | 99        | 15.64            | 15.54            | 15.50            | 17.00   |
|           |            | 50      | 0         | 15.50            | 15.61            | 15.55            | 17.00   |
|           |            | 50      | 25        | 15.61            | 15.54            | 15.57            | 17.00   |
|           |            | 50      | 50        | 15.57            | 15.61            | 15.47            | 17.00   |
|           |            | 100     | 0         | 15.69            | 15.54            | 15.40            | 17.00   |
|           | 16QAM      | 1       | 0         | 15.66            | 15.72            | 15.68            | 17.00   |
|           |            | 1       | 50        | 15.73            | 15.69            | 15.53            | 17.00   |
|           |            | 1       | 99        | 15.65            | 15.76            | 15.64            | 17.00   |
|           |            | 50      | 0         | 15.52            | 15.66            | 15.48            | 17.00   |
|           |            | 50      | 25        | 15.55            | 15.64            | 15.38            | 17.00   |
|           |            | 50      | 50        | 15.67            | 15.60            | 15.63            | 17.00   |
|           |            | 100     | 0         | 15.51            | 15.50            | 15.66            | 17.00   |
|           | 64QAM      | 1       | 0         | 15.61            | 15.51            | 15.67            | 17.00   |
|           |            | 1       | 50        | 15.71            | 15.68            | 15.59            | 17.00   |
|           |            | 1       | 99        | 15.66            | 15.48            | 15.55            | 17.00   |
|           |            | 50      | 0         | 15.61            | 15.43            | 15.59            | 17.00   |
|           |            | 50      | 25        | 15.70            | 15.59            | 15.66            | 17.00   |
|           |            | 50      | 50        | 15.55            | 15.47            | 15.45            | 17.00   |
|           |            | 100     | 0         | 15.44            | 15.49            | 15.52            | 17.00   |

## 6.2 Conducted Power of LTE Uplink CA (Ant13)

| LTE Band 4 DSI 6 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz           | QPSK       | 1       | 0         | 18.67                | 18.54   | 18.53   | 19.80   |
|                  |            | 1       | 2         | 18.54                | 18.55   | 18.65   | 19.80   |
|                  |            | 1       | 5         | 18.50                | 18.53   | 18.62   | 19.80   |
|                  |            | 3       | 0         | 18.63                | 18.59   | 18.50   | 19.80   |
|                  |            | 3       | 2         | 18.59                | 18.55   | 18.58   | 19.80   |
|                  |            | 3       | 3         | 18.61                | 18.52   | 18.72   | 19.80   |
|                  |            | 6       | 0         | 18.68                | 18.48   | 18.56   | 19.80   |
|                  | 16QAM      | 1       | 0         | 18.75                | 18.78   | 18.79   | 19.80   |
|                  |            | 1       | 2         | 18.74                | 18.71   | 18.75   | 19.80   |
|                  |            | 1       | 5         | 18.86                | 18.75   | 18.77   | 19.80   |
|                  |            | 3       | 0         | 18.56                | 18.50   | 18.48   | 19.80   |
|                  |            | 3       | 2         | 18.46                | 18.48   | 18.48   | 19.80   |
|                  |            | 3       | 3         | 18.57                | 18.47   | 18.60   | 19.80   |
|                  |            | 6       | 0         | 18.62                | 18.57   | 18.63   | 19.80   |
|                  | 64QAM      | 1       | 0         | 18.77                | 18.56   | 18.68   | 19.80   |
|                  |            | 1       | 2         | 18.61                | 18.54   | 18.59   | 19.80   |
|                  |            | 1       | 5         | 18.74                | 18.69   | 18.67   | 19.80   |
|                  |            | 3       | 0         | 18.63                | 18.46   | 18.61   | 19.80   |
|                  |            | 3       | 2         | 18.61                | 18.54   | 18.64   | 19.80   |
|                  |            | 3       | 3         | 18.59                | 18.66   | 18.56   | 19.80   |
|                  |            | 6       | 0         | 18.60                | 18.47   | 18.61   | 19.80   |
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 19965                | 20175   | 20385   |         |
| 3MHz             | QPSK       | 1       | 0         | 18.58                | 18.48   | 18.49   | 19.80   |
|                  |            | 1       | 7         | 18.57                | 18.54   | 18.66   | 19.80   |
|                  |            | 1       | 14        | 18.50                | 18.54   | 18.70   | 19.80   |
|                  |            | 8       | 0         | 18.55                | 18.57   | 18.58   | 19.80   |
|                  |            | 8       | 4         | 18.64                | 18.53   | 18.68   | 19.80   |
|                  |            | 8       | 7         | 18.53                | 18.53   | 18.70   | 19.80   |
|                  |            | 15      | 0         | 18.62                | 18.42   | 18.53   | 19.80   |
|                  | 16QAM      | 1       | 0         | 18.73                | 18.70   | 18.83   | 19.80   |
|                  |            | 1       | 7         | 18.75                | 18.61   | 18.70   | 19.80   |
|                  |            | 1       | 14        | 18.80                | 18.79   | 18.72   | 19.80   |
|                  |            | 8       | 0         | 18.67                | 18.57   | 18.57   | 19.80   |
|                  |            | 8       | 4         | 18.49                | 18.47   | 18.49   | 19.80   |
|                  |            | 8       | 7         | 18.61                | 18.61   | 18.66   | 19.80   |
|                  |            | 15      | 0         | 18.69                | 18.56   | 18.64   | 19.80   |
|                  | 64QAM      | 1       | 0         | 18.80                | 18.70   | 18.62   | 19.80   |
|                  |            | 1       | 7         | 18.63                | 18.62   | 18.65   | 19.80   |
|                  |            | 1       | 14        | 18.76                | 18.67   | 18.63   | 19.80   |
|                  |            | 8       | 0         | 18.59                | 18.48   | 18.50   | 19.80   |
|                  |            | 8       | 4         | 18.51                | 18.47   | 18.59   | 19.80   |
|                  |            | 8       | 7         | 18.71                | 18.64   | 18.57   | 19.80   |
|                  |            | 15      | 0         | 18.53                | 18.47   | 18.55   | 19.80   |

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 18.57   | 18.55   | 18.62   | 19.80   |
|           |            | 1       | 13        | 18.53   | 18.57   | 18.70   | 19.80   |
|           |            | 1       | 24        | 18.52   | 18.54   | 18.76   | 19.80   |
|           |            | 12      | 0         | 18.68   | 18.50   | 18.53   | 19.80   |
|           |            | 12      | 6         | 18.54   | 18.50   | 18.68   | 19.80   |
|           |            | 12      | 13        | 18.56   | 18.62   | 18.66   | 19.80   |
|           |            | 25      | 0         | 18.61   | 18.52   | 18.65   | 19.80   |
|           | 16QAM      | 1       | 0         | 18.73   | 18.71   | 18.75   | 19.80   |
|           |            | 1       | 13        | 18.76   | 18.68   | 18.70   | 19.80   |
|           |            | 1       | 24        | 18.76   | 18.70   | 18.82   | 19.80   |
|           |            | 12      | 0         | 18.63   | 18.51   | 18.52   | 19.80   |
|           |            | 12      | 6         | 18.56   | 18.46   | 18.57   | 19.80   |
|           |            | 12      | 13        | 18.55   | 18.56   | 18.57   | 19.80   |
|           |            | 25      | 0         | 18.69   | 18.45   | 18.62   | 19.80   |
|           | 64QAM      | 1       | 0         | 18.73   | 18.58   | 18.73   | 19.80   |
|           |            | 1       | 13        | 18.57   | 18.66   | 18.68   | 19.80   |
|           |            | 1       | 24        | 18.78   | 18.56   | 18.65   | 19.80   |
|           |            | 12      | 0         | 18.54   | 18.53   | 18.65   | 19.80   |
|           |            | 12      | 6         | 18.65   | 18.46   | 18.52   | 19.80   |
|           |            | 12      | 13        | 18.63   | 18.62   | 18.66   | 19.80   |
|           |            | 25      | 0         | 18.64   | 18.48   | 18.63   | 19.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 18.66   | 18.59   | 18.55   | 19.80   |
|           |            | 1       | 25        | 18.60   | 18.51   | 18.71   | 19.80   |
|           |            | 1       | 49        | 18.62   | 18.49   | 18.77   | 19.80   |
|           |            | 25      | 0         | 18.52   | 18.49   | 18.49   | 19.80   |
|           |            | 25      | 13        | 18.67   | 18.51   | 18.61   | 19.80   |
|           |            | 25      | 25        | 18.54   | 18.55   | 18.63   | 19.80   |
|           |            | 50      | 0         | 18.63   | 18.46   | 18.52   | 19.80   |
|           | 16QAM      | 1       | 0         | 18.77   | 18.64   | 18.73   | 19.80   |
|           |            | 1       | 25        | 18.70   | 18.57   | 18.77   | 19.80   |
|           |            | 1       | 49        | 18.81   | 18.72   | 18.85   | 19.80   |
|           |            | 25      | 0         | 18.66   | 18.53   | 18.58   | 19.80   |
|           |            | 25      | 13        | 18.60   | 18.52   | 18.59   | 19.80   |
|           |            | 25      | 25        | 18.66   | 18.61   | 18.62   | 19.80   |
|           |            | 50      | 0         | 18.63   | 18.45   | 18.55   | 19.80   |
|           | 64QAM      | 1       | 0         | 18.71   | 18.61   | 18.67   | 19.80   |
|           |            | 1       | 25        | 18.66   | 18.56   | 18.74   | 19.80   |
|           |            | 1       | 49        | 18.71   | 18.67   | 18.66   | 19.80   |
|           |            | 25      | 0         | 18.69   | 18.57   | 18.63   | 19.80   |
|           |            | 25      | 13        | 18.57   | 18.47   | 18.51   | 19.80   |
|           |            | 25      | 25        | 18.72   | 18.53   | 18.61   | 19.80   |
|           |            | 50      | 0         | 18.52   | 18.44   | 18.47   | 19.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 18.62   | 18.57   | 18.52   | 19.80   |

|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 38        | 18.60   | 18.49   | 18.70   | 19.80   |
|           |            | 1       | 74        | 18.48   | 18.57   | 18.65   | 19.80   |
|           |            | 36      | 0         | 18.54   | 18.57   | 18.55   | 19.80   |
|           |            | 36      | 18        | 18.54   | 18.51   | 18.67   | 19.80   |
|           |            | 36      | 39        | 18.62   | 18.59   | 18.59   | 19.80   |
|           |            | 75      | 0         | 18.65   | 18.57   | 18.67   | 19.80   |
|           | 16QAM      | 1       | 0         | 18.79   | 18.62   | 18.70   | 19.80   |
|           |            | 1       | 38        | 18.77   | 18.69   | 18.67   | 19.80   |
|           |            | 1       | 74        | 18.87   | 18.75   | 18.82   | 19.80   |
|           |            | 36      | 0         | 18.53   | 18.46   | 18.60   | 19.80   |
|           |            | 36      | 18        | 18.51   | 18.55   | 18.52   | 19.80   |
|           |            | 36      | 39        | 18.65   | 18.51   | 18.66   | 19.80   |
|           |            | 75      | 0         | 18.62   | 18.49   | 18.56   | 19.80   |
|           | 64QAM      | 1       | 0         | 18.72   | 18.67   | 18.65   | 19.80   |
|           |            | 1       | 38        | 18.65   | 18.57   | 18.67   | 19.80   |
|           |            | 1       | 74        | 18.77   | 18.71   | 18.68   | 19.80   |
|           |            | 36      | 0         | 18.67   | 18.47   | 18.61   | 19.80   |
|           |            | 36      | 18        | 18.55   | 18.54   | 18.67   | 19.80   |
|           |            | 36      | 39        | 18.71   | 18.58   | 18.69   | 19.80   |
|           |            | 75      | 0         | 18.66   | 18.48   | 18.52   | 19.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 18.65   | 18.53   | 18.54   | 19.80   |
|           |            | 1       | 50        | 18.57   | 18.52   | 18.63   | 19.80   |
|           |            | 1       | 99        | 18.56   | 18.56   | 18.69   | 19.80   |
|           |            | 50      | 0         | 18.60   | 18.51   | 18.57   | 19.80   |
|           |            | 50      | 25        | 18.61   | 18.53   | 18.63   | 19.80   |
|           |            | 50      | 50        | 18.57   | 18.54   | 18.65   | 19.80   |
|           |            | 100     | 0         | 18.60   | 18.50   | 18.59   | 19.80   |
|           | 16QAM      | 1       | 0         | 18.79   | 18.70   | 18.76   | 19.80   |
|           |            | 1       | 50        | 18.73   | 18.65   | 18.72   | 19.80   |
|           |            | 1       | 99        | 18.80   | 18.71   | 18.78   | 19.80   |
|           |            | 50      | 0         | 18.60   | 18.52   | 18.53   | 19.80   |
|           |            | 50      | 25        | 18.54   | 18.51   | 18.56   | 19.80   |
|           |            | 50      | 50        | 18.58   | 18.54   | 18.59   | 19.80   |
|           |            | 100     | 0         | 18.61   | 18.52   | 18.56   | 19.80   |
|           | 64QAM      | 1       | 0         | 18.72   | 18.64   | 18.68   | 19.80   |
|           |            | 1       | 50        | 18.62   | 18.58   | 18.66   | 19.80   |
|           |            | 1       | 99        | 18.72   | 18.63   | 18.65   | 19.80   |
|           |            | 50      | 0         | 18.61   | 18.51   | 18.57   | 19.80   |
|           |            | 50      | 25        | 18.59   | 18.53   | 18.59   | 19.80   |
|           |            | 50      | 50        | 18.64   | 18.59   | 18.63   | 19.80   |
|           |            | 100     | 0         | 18.60   | 18.52   | 18.55   | 19.80   |

| LTE Band 4 DSI 8 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz           | QPSK       | 1       | 0         | 15.59                | 15.51   | 15.58   | 16.80   |
|                  |            | 1       | 2         | 15.50                | 15.47   | 15.69   | 16.80   |
|                  |            | 1       | 5         | 15.51                | 15.63   | 15.70   | 16.80   |
|                  |            | 3       | 0         | 15.56                | 15.49   | 15.68   | 16.80   |
|                  |            | 3       | 2         | 15.57                | 15.55   | 15.69   | 16.80   |
|                  |            | 3       | 3         | 15.58                | 15.63   | 15.78   | 16.80   |
|                  |            | 6       | 0         | 15.50                | 15.54   | 15.54   | 16.80   |
|                  | 16QAM      | 1       | 0         | 15.85                | 15.77   | 15.73   | 16.80   |
|                  |            | 1       | 2         | 15.80                | 15.60   | 15.68   | 16.80   |
|                  |            | 1       | 5         | 15.88                | 15.62   | 15.78   | 16.80   |
|                  |            | 3       | 0         | 15.57                | 15.45   | 15.61   | 16.80   |
|                  |            | 3       | 2         | 15.56                | 15.49   | 15.54   | 16.80   |
|                  |            | 3       | 3         | 15.65                | 15.58   | 15.55   | 16.80   |
|                  |            | 6       | 0         | 15.69                | 15.49   | 15.52   | 16.80   |
|                  | 64QAM      | 1       | 0         | 15.68                | 15.80   | 15.68   | 16.80   |
|                  |            | 1       | 2         | 15.67                | 15.62   | 15.75   | 16.80   |
|                  |            | 1       | 5         | 15.72                | 15.68   | 15.70   | 16.80   |
|                  |            | 3       | 0         | 15.68                | 15.50   | 15.47   | 16.80   |
|                  |            | 3       | 2         | 15.52                | 15.62   | 15.55   | 16.80   |
|                  |            | 3       | 3         | 15.54                | 15.51   | 15.55   | 16.80   |
|                  |            | 6       | 0         | 15.60                | 15.54   | 15.59   | 16.80   |
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 19965                | 20175   | 20385   |         |
| 3MHz             | QPSK       | 1       | 0         | 15.57                | 15.54   | 15.54   | 16.80   |
|                  |            | 1       | 7         | 15.59                | 15.58   | 15.56   | 16.80   |
|                  |            | 1       | 14        | 15.60                | 15.58   | 15.63   | 16.80   |
|                  |            | 8       | 0         | 15.47                | 15.37   | 15.56   | 16.80   |
|                  |            | 8       | 4         | 15.66                | 15.45   | 15.60   | 16.80   |
|                  |            | 8       | 7         | 15.59                | 15.59   | 15.72   | 16.80   |
|                  |            | 15      | 0         | 15.54                | 15.56   | 15.45   | 16.80   |
|                  | 16QAM      | 1       | 0         | 15.84                | 15.66   | 15.84   | 16.80   |
|                  |            | 1       | 7         | 15.74                | 15.50   | 15.75   | 16.80   |
|                  |            | 1       | 14        | 15.75                | 15.66   | 15.85   | 16.80   |
|                  |            | 8       | 0         | 15.50                | 15.54   | 15.54   | 16.80   |
|                  |            | 8       | 4         | 15.59                | 15.49   | 15.60   | 16.80   |
|                  |            | 8       | 7         | 15.64                | 15.69   | 15.57   | 16.80   |
|                  |            | 15      | 0         | 15.66                | 15.63   | 15.44   | 16.80   |
|                  | 64QAM      | 1       | 0         | 15.67                | 15.75   | 15.74   | 16.80   |
|                  |            | 1       | 7         | 15.62                | 15.62   | 15.77   | 16.80   |
|                  |            | 1       | 14        | 15.85                | 15.72   | 15.74   | 16.80   |
|                  |            | 8       | 0         | 15.68                | 15.63   | 15.46   | 16.80   |
|                  |            | 8       | 4         | 15.47                | 15.57   | 15.56   | 16.80   |
|                  |            | 8       | 7         | 15.59                | 15.62   | 15.61   | 16.80   |
|                  |            | 15      | 0         | 15.59                | 15.52   | 15.48   | 16.80   |
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |

|           |            |         |           | 19975            | 20175            | 20375            |         |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
| 5MHz      | QPSK       | 1       | 0         | 15.63            | 15.62            | 15.61            | 16.80   |
|           |            | 1       | 13        | 15.64            | 15.58            | 15.61            | 16.80   |
|           |            | 1       | 24        | 15.63            | 15.67            | 15.63            | 16.80   |
|           |            | 12      | 0         | 15.44            | 15.46            | 15.57            | 16.80   |
|           |            | 12      | 6         | 15.69            | 15.50            | 15.64            | 16.80   |
|           |            | 12      | 13        | 15.49            | 15.68            | 15.77            | 16.80   |
|           |            | 25      | 0         | 15.49            | 15.53            | 15.53            | 16.80   |
|           | 16QAM      | 1       | 0         | 15.93            | 15.65            | 15.78            | 16.80   |
|           |            | 1       | 13        | 15.83            | 15.54            | 15.77            | 16.80   |
|           |            | 1       | 24        | 15.78            | 15.76            | 15.74            | 16.80   |
|           |            | 12      | 0         | 15.49            | 15.48            | 15.62            | 16.80   |
|           |            | 12      | 6         | 15.60            | 15.52            | 15.63            | 16.80   |
|           |            | 12      | 13        | 15.66            | 15.66            | 15.57            | 16.80   |
|           |            | 25      | 0         | 15.61            | 15.52            | 15.48            | 16.80   |
|           | 64QAM      | 1       | 0         | 15.62            | 15.76            | 15.79            | 16.80   |
|           |            | 1       | 13        | 15.68            | 15.66            | 15.72            | 16.80   |
|           |            | 1       | 24        | 15.88            | 15.61            | 15.63            | 16.80   |
|           |            | 12      | 0         | 15.60            | 15.66            | 15.53            | 16.80   |
|           |            | 12      | 6         | 15.53            | 15.60            | 15.56            | 16.80   |
|           |            | 12      | 13        | 15.56            | 15.65            | 15.57            | 16.80   |
|           |            | 25      | 0         | 15.53            | 15.41            | 15.48            | 16.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20000 | Channel<br>20175 | Channel<br>20350 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 15.58            | 15.59            | 15.54            | 16.80   |
|           |            | 1       | 25        | 15.57            | 15.47            | 15.58            | 16.80   |
|           |            | 1       | 49        | 15.66            | 15.67            | 15.69            | 16.80   |
|           |            | 25      | 0         | 15.58            | 15.35            | 15.60            | 16.80   |
|           |            | 25      | 13        | 15.62            | 15.60            | 15.56            | 16.80   |
|           |            | 25      | 25        | 15.55            | 15.59            | 15.69            | 16.80   |
|           |            | 50      | 0         | 15.51            | 15.48            | 15.47            | 16.80   |
|           | 16QAM      | 1       | 0         | 15.91            | 15.79            | 15.70            | 16.80   |
|           |            | 1       | 25        | 15.74            | 15.53            | 15.70            | 16.80   |
|           |            | 1       | 49        | 15.77            | 15.64            | 15.74            | 16.80   |
|           |            | 25      | 0         | 15.53            | 15.53            | 15.61            | 16.80   |
|           |            | 25      | 13        | 15.54            | 15.47            | 15.67            | 16.80   |
|           |            | 25      | 25        | 15.64            | 15.57            | 15.63            | 16.80   |
|           |            | 50      | 0         | 15.68            | 15.51            | 15.59            | 16.80   |
|           | 64QAM      | 1       | 0         | 15.66            | 15.74            | 15.71            | 16.80   |
|           |            | 1       | 25        | 15.63            | 15.60            | 15.62            | 16.80   |
|           |            | 1       | 49        | 15.72            | 15.70            | 15.70            | 16.80   |
|           |            | 25      | 0         | 15.60            | 15.50            | 15.53            | 16.80   |
|           |            | 25      | 13        | 15.58            | 15.56            | 15.59            | 16.80   |
|           |            | 25      | 25        | 15.59            | 15.56            | 15.47            | 16.80   |
|           |            | 50      | 0         | 15.62            | 15.46            | 15.56            | 16.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20025 | Channel<br>20175 | Channel<br>20325 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 15.60            | 15.49            | 15.53            | 16.80   |
|           |            | 1       | 38        | 15.51            | 15.50            | 15.61            | 16.80   |

|           |            | 1       | 74        | 15.54   | 15.51   | 15.63   | 16.80   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 36      | 0         | 15.51   | 15.36   | 15.60   | 16.80   |
|           |            | 36      | 18        | 15.59   | 15.53   | 15.64   | 16.80   |
|           |            | 36      | 39        | 15.52   | 15.68   | 15.73   | 16.80   |
|           |            | 75      | 0         | 15.59   | 15.56   | 15.54   | 16.80   |
|           | 16QAM      | 1       | 0         | 15.84   | 15.65   | 15.80   | 16.80   |
|           |            | 1       | 38        | 15.81   | 15.57   | 15.77   | 16.80   |
|           |            | 1       | 74        | 15.88   | 15.61   | 15.76   | 16.80   |
|           |            | 36      | 0         | 15.64   | 15.43   | 15.67   | 16.80   |
|           |            | 36      | 18        | 15.59   | 15.57   | 15.59   | 16.80   |
|           |            | 36      | 39        | 15.67   | 15.58   | 15.63   | 16.80   |
|           |            | 75      | 0         | 15.62   | 15.61   | 15.54   | 16.80   |
|           | 64QAM      | 1       | 0         | 15.63   | 15.73   | 15.79   | 16.80   |
|           |            | 1       | 38        | 15.59   | 15.69   | 15.70   | 16.80   |
|           |            | 1       | 74        | 15.72   | 15.71   | 15.62   | 16.80   |
|           |            | 36      | 0         | 15.65   | 15.56   | 15.46   | 16.80   |
|           |            | 36      | 18        | 15.51   | 15.55   | 15.53   | 16.80   |
|           |            | 36      | 39        | 15.56   | 15.59   | 15.56   | 16.80   |
|           |            | 75      | 0         | 15.49   | 15.44   | 15.51   | 16.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 15.60   | 15.55   | 15.60   | 16.80   |
|           |            | 1       | 50        | 15.56   | 15.52   | 15.61   | 16.80   |
|           |            | 1       | 99        | 15.59   | 15.59   | 15.63   | 16.80   |
|           |            | 50      | 0         | 15.52   | 15.43   | 15.60   | 16.80   |
|           |            | 50      | 25        | 15.63   | 15.53   | 15.62   | 16.80   |
|           |            | 50      | 50        | 15.51   | 15.61   | 15.71   | 16.80   |
|           |            | 100     | 0         | 15.52   | 15.54   | 15.51   | 16.80   |
|           | 16QAM      | 1       | 0         | 15.86   | 15.73   | 15.77   | 16.80   |
|           |            | 1       | 50        | 15.78   | 15.57   | 15.72   | 16.80   |
|           |            | 1       | 99        | 15.80   | 15.69   | 15.81   | 16.80   |
|           |            | 50      | 0         | 15.57   | 15.51   | 15.59   | 16.80   |
|           |            | 50      | 25        | 15.62   | 15.49   | 15.62   | 16.80   |
|           |            | 50      | 50        | 15.65   | 15.62   | 15.58   | 16.80   |
|           |            | 100     | 0         | 15.66   | 15.57   | 15.52   | 16.80   |
|           | 64QAM      | 1       | 0         | 15.66   | 15.72   | 15.73   | 16.80   |
|           |            | 1       | 50        | 15.67   | 15.65   | 15.70   | 16.80   |
|           |            | 1       | 99        | 15.80   | 15.68   | 15.69   | 16.80   |
|           |            | 50      | 0         | 15.65   | 15.58   | 15.50   | 16.80   |
|           |            | 50      | 25        | 15.51   | 15.60   | 15.53   | 16.80   |
|           |            | 50      | 50        | 15.59   | 15.58   | 15.55   | 16.80   |
|           |            | 100     | 0         | 15.54   | 15.46   | 15.54   | 16.80   |

| LTE Band 4 DSI 5 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz           | QPSK       | 1       | 0         | 14.15                | 13.96   | 13.98   | 15.30   |
|                  |            | 1       | 2         | 13.93                | 14.03   | 14.12   | 15.30   |
|                  |            | 1       | 5         | 14.03                | 14.06   | 14.18   | 15.30   |
|                  |            | 3       | 0         | 14.14                | 13.91   | 14.17   | 15.30   |
|                  |            | 3       | 2         | 14.16                | 14.00   | 14.23   | 15.30   |
|                  |            | 3       | 3         | 14.03                | 14.19   | 14.23   | 15.30   |
|                  |            | 6       | 0         | 13.92                | 14.08   | 13.92   | 15.30   |
|                  | 16QAM      | 1       | 0         | 14.40                | 14.19   | 14.39   | 15.30   |
|                  |            | 1       | 2         | 14.38                | 14.14   | 14.25   | 15.30   |
|                  |            | 1       | 5         | 14.31                | 14.15   | 14.32   | 15.30   |
|                  |            | 3       | 0         | 14.02                | 14.04   | 14.15   | 15.30   |
|                  |            | 3       | 2         | 14.06                | 14.01   | 14.12   | 15.30   |
|                  |            | 3       | 3         | 14.15                | 14.12   | 14.16   | 15.30   |
|                  |            | 6       | 0         | 14.18                | 14.17   | 13.91   | 15.30   |
|                  | 64QAM      | 1       | 0         | 14.14                | 14.26   | 14.26   | 15.30   |
|                  |            | 1       | 2         | 14.16                | 14.08   | 14.17   | 15.30   |
|                  |            | 1       | 5         | 14.39                | 14.18   | 14.09   | 15.30   |
|                  |            | 3       | 0         | 14.13                | 14.14   | 13.92   | 15.30   |
|                  |            | 3       | 2         | 14.05                | 14.04   | 13.93   | 15.30   |
|                  |            | 3       | 3         | 14.20                | 14.05   | 14.14   | 15.30   |
|                  |            | 6       | 0         | 14.02                | 13.88   | 14.13   | 15.30   |
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 19965                | 20175   | 20385   |         |
| 3MHz             | QPSK       | 1       | 0         | 14.03                | 14.01   | 14.04   | 15.30   |
|                  |            | 1       | 7         | 14.04                | 14.11   | 14.13   | 15.30   |
|                  |            | 1       | 14        | 14.12                | 14.04   | 14.17   | 15.30   |
|                  |            | 8       | 0         | 14.05                | 14.00   | 14.17   | 15.30   |
|                  |            | 8       | 4         | 14.14                | 14.08   | 14.17   | 15.30   |
|                  |            | 8       | 7         | 14.05                | 14.13   | 14.29   | 15.30   |
|                  |            | 15      | 0         | 13.91                | 14.03   | 13.99   | 15.30   |
|                  | 16QAM      | 1       | 0         | 14.37                | 14.18   | 14.36   | 15.30   |
|                  |            | 1       | 7         | 14.27                | 14.07   | 14.14   | 15.30   |
|                  |            | 1       | 14        | 14.26                | 14.17   | 14.29   | 15.30   |
|                  |            | 8       | 0         | 14.02                | 14.01   | 14.05   | 15.30   |
|                  |            | 8       | 4         | 14.08                | 14.11   | 14.04   | 15.30   |
|                  |            | 8       | 7         | 14.19                | 14.17   | 14.16   | 15.30   |
|                  |            | 15      | 0         | 14.07                | 14.14   | 13.97   | 15.30   |
|                  | 64QAM      | 1       | 0         | 14.18                | 14.22   | 14.29   | 15.30   |
|                  |            | 1       | 7         | 14.23                | 14.20   | 14.24   | 15.30   |
|                  |            | 1       | 14        | 14.43                | 14.21   | 14.10   | 15.30   |
|                  |            | 8       | 0         | 14.21                | 14.11   | 13.88   | 15.30   |
|                  |            | 8       | 4         | 14.04                | 14.02   | 13.97   | 15.30   |
|                  |            | 8       | 7         | 14.18                | 14.04   | 14.12   | 15.30   |
|                  |            | 15      | 0         | 14.00                | 14.02   | 14.03   | 15.30   |
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |

|           |            |         |           | 19975            | 20175            | 20375            |         |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
| 5MHz      | QPSK       | 1       | 0         | 14.02            | 13.98            | 14.10            | 15.30   |
|           |            | 1       | 13        | 13.99            | 14.02            | 14.13            | 15.30   |
|           |            | 1       | 24        | 13.98            | 14.03            | 14.26            | 15.30   |
|           |            | 12      | 0         | 14.14            | 13.94            | 14.08            | 15.30   |
|           |            | 12      | 6         | 14.08            | 13.96            | 14.22            | 15.30   |
|           |            | 12      | 13        | 14.01            | 14.08            | 14.29            | 15.30   |
|           |            | 25      | 0         | 13.97            | 14.13            | 13.88            | 15.30   |
|           | 16QAM      | 1       | 0         | 14.29            | 14.21            | 14.24            | 15.30   |
|           |            | 1       | 13        | 14.37            | 14.04            | 14.12            | 15.30   |
|           |            | 1       | 24        | 14.34            | 14.28            | 14.30            | 15.30   |
|           |            | 12      | 0         | 14.00            | 14.04            | 14.15            | 15.30   |
|           |            | 12      | 6         | 14.20            | 14.07            | 14.06            | 15.30   |
|           |            | 12      | 13        | 14.17            | 14.15            | 14.21            | 15.30   |
|           |            | 25      | 0         | 14.09            | 14.19            | 14.02            | 15.30   |
|           | 64QAM      | 1       | 0         | 14.21            | 14.17            | 14.26            | 15.30   |
|           |            | 1       | 13        | 14.11            | 14.13            | 14.30            | 15.30   |
|           |            | 1       | 24        | 14.41            | 14.19            | 14.11            | 15.30   |
|           |            | 12      | 0         | 14.18            | 14.04            | 14.00            | 15.30   |
|           |            | 12      | 6         | 14.14            | 14.14            | 13.90            | 15.30   |
|           |            | 12      | 13        | 14.06            | 14.13            | 14.13            | 15.30   |
|           |            | 25      | 0         | 14.07            | 13.91            | 14.01            | 15.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20000 | Channel<br>20175 | Channel<br>20350 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 14.08            | 14.09            | 14.03            | 15.30   |
|           |            | 1       | 25        | 13.98            | 14.02            | 14.08            | 15.30   |
|           |            | 1       | 49        | 14.13            | 14.03            | 14.14            | 15.30   |
|           |            | 25      | 0         | 14.12            | 14.02            | 14.09            | 15.30   |
|           |            | 25      | 13        | 14.12            | 14.07            | 14.23            | 15.30   |
|           |            | 25      | 25        | 13.91            | 14.11            | 14.22            | 15.30   |
|           |            | 50      | 0         | 13.96            | 14.18            | 13.88            | 15.30   |
|           | 16QAM      | 1       | 0         | 14.27            | 14.18            | 14.29            | 15.30   |
|           |            | 1       | 25        | 14.40            | 14.09            | 14.23            | 15.30   |
|           |            | 1       | 49        | 14.25            | 14.19            | 14.22            | 15.30   |
|           |            | 25      | 0         | 13.99            | 14.11            | 14.05            | 15.30   |
|           |            | 25      | 13        | 14.11            | 14.03            | 14.13            | 15.30   |
|           |            | 25      | 25        | 14.15            | 14.14            | 14.06            | 15.30   |
|           |            | 50      | 0         | 14.10            | 14.12            | 14.01            | 15.30   |
|           | 64QAM      | 1       | 0         | 14.12            | 14.23            | 14.35            | 15.30   |
|           |            | 1       | 25        | 14.18            | 14.13            | 14.22            | 15.30   |
|           |            | 1       | 49        | 14.39            | 14.16            | 14.07            | 15.30   |
|           |            | 25      | 0         | 14.11            | 14.11            | 13.93            | 15.30   |
|           |            | 25      | 13        | 14.09            | 14.00            | 13.91            | 15.30   |
|           |            | 25      | 25        | 14.15            | 14.02            | 14.07            | 15.30   |
|           |            | 50      | 0         | 14.11            | 13.97            | 14.07            | 15.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20025 | Channel<br>20175 | Channel<br>20325 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 14.05            | 13.95            | 14.11            | 15.30   |
|           |            | 1       | 38        | 14.08            | 14.04            | 14.11            | 15.30   |

|           |            | 1       | 74        | 14.13   | 14.08   | 14.26   | 15.30   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 36      | 0         | 14.03   | 14.06   | 14.17   | 15.30   |
|           |            | 36      | 18        | 14.13   | 13.96   | 14.13   | 15.30   |
|           |            | 36      | 39        | 13.93   | 14.17   | 14.31   | 15.30   |
|           |            | 75      | 0         | 13.98   | 14.09   | 13.97   | 15.30   |
|           | 16QAM      | 1       | 0         | 14.33   | 14.28   | 14.31   | 15.30   |
|           |            | 1       | 38        | 14.31   | 14.00   | 14.24   | 15.30   |
|           |            | 1       | 74        | 14.33   | 14.25   | 14.21   | 15.30   |
|           |            | 36      | 0         | 14.09   | 14.07   | 14.02   | 15.30   |
|           |            | 36      | 18        | 14.09   | 14.00   | 14.05   | 15.30   |
|           |            | 36      | 39        | 14.18   | 14.11   | 14.16   | 15.30   |
|           |            | 75      | 0         | 14.09   | 14.08   | 13.96   | 15.30   |
|           | 64QAM      | 1       | 0         | 14.27   | 14.19   | 14.25   | 15.30   |
|           |            | 1       | 38        | 14.12   | 14.18   | 14.24   | 15.30   |
|           |            | 1       | 74        | 14.35   | 14.17   | 14.18   | 15.30   |
|           |            | 36      | 0         | 14.21   | 14.10   | 13.88   | 15.30   |
|           |            | 36      | 18        | 14.00   | 14.02   | 13.94   | 15.30   |
|           |            | 36      | 39        | 14.16   | 14.02   | 14.14   | 15.30   |
|           |            | 75      | 0         | 14.08   | 13.93   | 14.12   | 15.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 14.09   | 14.02   | 14.04   | 15.30   |
|           |            | 1       | 50        | 14.00   | 14.05   | 14.08   | 15.30   |
|           |            | 1       | 99        | 14.06   | 14.08   | 14.19   | 15.30   |
|           |            | 50      | 0         | 14.07   | 13.99   | 14.09   | 15.30   |
|           |            | 50      | 25        | 14.11   | 14.02   | 14.16   | 15.30   |
|           |            | 50      | 50        | 13.97   | 14.11   | 14.24   | 15.30   |
|           |            | 100     | 0         | 13.98   | 14.10   | 13.95   | 15.30   |
|           | 16QAM      | 1       | 0         | 14.34   | 14.25   | 14.31   | 15.30   |
|           |            | 1       | 50        | 14.34   | 14.07   | 14.18   | 15.30   |
|           |            | 1       | 99        | 14.26   | 14.20   | 14.27   | 15.30   |
|           |            | 50      | 0         | 14.01   | 14.04   | 14.09   | 15.30   |
|           |            | 50      | 25        | 14.12   | 14.04   | 14.10   | 15.30   |
|           |            | 50      | 50        | 14.18   | 14.18   | 14.14   | 15.30   |
|           |            | 100     | 0         | 14.11   | 14.12   | 13.99   | 15.30   |
|           | 64QAM      | 1       | 0         | 14.20   | 14.24   | 14.27   | 15.30   |
|           |            | 1       | 50        | 14.15   | 14.15   | 14.25   | 15.30   |
|           |            | 1       | 99        | 14.36   | 14.23   | 14.14   | 15.30   |
|           |            | 50      | 0         | 14.18   | 14.09   | 13.96   | 15.30   |
|           |            | 50      | 25        | 14.06   | 14.08   | 13.98   | 15.30   |
|           |            | 50      | 50        | 14.14   | 14.08   | 14.09   | 15.30   |
|           |            | 100     | 0         | 14.05   | 13.95   | 14.07   | 15.30   |

| LTE Band 4 DSI 7 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz           | QPSK       | 1       | 0         | 11.13                | 11.14   | 10.99   | 12.30   |
|                  |            | 1       | 2         | 10.99                | 11.13   | 11.11   | 12.30   |
|                  |            | 1       | 5         | 11.08                | 11.22   | 11.15   | 12.30   |
|                  |            | 3       | 0         | 10.99                | 10.98   | 11.16   | 12.30   |
|                  |            | 3       | 2         | 11.10                | 11.16   | 11.17   | 12.30   |
|                  |            | 3       | 3         | 10.87                | 11.20   | 11.19   | 12.30   |
|                  |            | 6       | 0         | 11.05                | 11.01   | 10.97   | 12.30   |
|                  | 16QAM      | 1       | 0         | 11.30                | 11.24   | 11.35   | 12.30   |
|                  |            | 1       | 2         | 11.29                | 11.01   | 11.13   | 12.30   |
|                  |            | 1       | 5         | 11.39                | 11.31   | 11.27   | 12.30   |
|                  |            | 3       | 0         | 11.09                | 11.06   | 11.19   | 12.30   |
|                  |            | 3       | 2         | 11.08                | 11.07   | 11.13   | 12.30   |
|                  |            | 3       | 3         | 11.28                | 11.14   | 11.06   | 12.30   |
|                  |            | 6       | 0         | 11.06                | 11.19   | 10.92   | 12.30   |
|                  | 64QAM      | 1       | 0         | 11.18                | 11.32   | 11.23   | 12.30   |
|                  |            | 1       | 2         | 11.07                | 11.16   | 11.33   | 12.30   |
|                  |            | 1       | 5         | 11.39                | 11.34   | 11.15   | 12.30   |
|                  |            | 3       | 0         | 11.29                | 11.19   | 11.09   | 12.30   |
|                  |            | 3       | 2         | 11.05                | 11.01   | 10.96   | 12.30   |
|                  |            | 3       | 3         | 11.12                | 10.99   | 11.16   | 12.30   |
|                  |            | 6       | 0         | 11.06                | 10.98   | 10.94   | 12.30   |
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 19965                | 20175   | 20385   |         |
| 3MHz             | QPSK       | 1       | 0         | 11.14                | 11.12   | 11.00   | 12.30   |
|                  |            | 1       | 7         | 10.97                | 11.13   | 11.20   | 12.30   |
|                  |            | 1       | 14        | 11.09                | 11.07   | 11.27   | 12.30   |
|                  |            | 8       | 0         | 11.03                | 10.93   | 11.11   | 12.30   |
|                  |            | 8       | 4         | 11.14                | 11.14   | 11.17   | 12.30   |
|                  |            | 8       | 7         | 10.89                | 11.14   | 11.15   | 12.30   |
|                  |            | 15      | 0         | 10.94                | 11.15   | 10.89   | 12.30   |
|                  | 16QAM      | 1       | 0         | 11.38                | 11.20   | 11.35   | 12.30   |
|                  |            | 1       | 7         | 11.27                | 10.96   | 11.14   | 12.30   |
|                  |            | 1       | 14        | 11.38                | 11.19   | 11.28   | 12.30   |
|                  |            | 8       | 0         | 11.03                | 11.13   | 11.04   | 12.30   |
|                  |            | 8       | 4         | 11.06                | 11.10   | 11.06   | 12.30   |
|                  |            | 8       | 7         | 11.18                | 11.28   | 11.13   | 12.30   |
|                  |            | 15      | 0         | 10.97                | 11.18   | 11.06   | 12.30   |
|                  | 64QAM      | 1       | 0         | 11.15                | 11.21   | 11.17   | 12.30   |
|                  |            | 1       | 7         | 11.15                | 11.05   | 11.25   | 12.30   |
|                  |            | 1       | 14        | 11.35                | 11.31   | 11.10   | 12.30   |
|                  |            | 8       | 0         | 11.26                | 11.05   | 11.07   | 12.30   |
|                  |            | 8       | 4         | 11.02                | 11.11   | 10.95   | 12.30   |
|                  |            | 8       | 7         | 11.08                | 11.08   | 11.23   | 12.30   |
|                  |            | 15      | 0         | 11.14                | 10.91   | 11.02   | 12.30   |
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |

|           |            |         |           | 19975            | 20175            | 20375            |         |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
| 5MHz      | QPSK       | 1       | 0         | 11.09            | 11.01            | 11.00            | 12.30   |
|           |            | 1       | 13        | 11.09            | 11.13            | 11.04            | 12.30   |
|           |            | 1       | 24        | 11.18            | 11.21            | 11.21            | 12.30   |
|           |            | 12      | 0         | 11.11            | 10.89            | 11.16            | 12.30   |
|           |            | 12      | 6         | 11.04            | 11.16            | 11.09            | 12.30   |
|           |            | 12      | 13        | 10.86            | 11.19            | 11.12            | 12.30   |
|           |            | 25      | 0         | 11.05            | 11.12            | 10.89            | 12.30   |
|           | 16QAM      | 1       | 0         | 11.42            | 11.18            | 11.38            | 12.30   |
|           |            | 1       | 13        | 11.33            | 11.08            | 11.23            | 12.30   |
|           |            | 1       | 24        | 11.31            | 11.22            | 11.36            | 12.30   |
|           |            | 12      | 0         | 11.09            | 11.10            | 11.15            | 12.30   |
|           |            | 12      | 6         | 11.04            | 11.08            | 11.12            | 12.30   |
|           |            | 12      | 13        | 11.19            | 11.28            | 11.17            | 12.30   |
|           |            | 25      | 0         | 11.02            | 11.11            | 10.93            | 12.30   |
|           | 64QAM      | 1       | 0         | 11.25            | 11.22            | 11.31            | 12.30   |
|           |            | 1       | 13        | 11.08            | 11.13            | 11.31            | 12.30   |
|           |            | 1       | 24        | 11.38            | 11.19            | 11.15            | 12.30   |
|           |            | 12      | 0         | 11.30            | 11.12            | 11.00            | 12.30   |
|           |            | 12      | 6         | 11.09            | 11.03            | 10.93            | 12.30   |
|           |            | 12      | 13        | 11.04            | 11.01            | 11.17            | 12.30   |
|           |            | 25      | 0         | 11.19            | 10.97            | 10.94            | 12.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20000 | Channel<br>20175 | Channel<br>20350 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 11.16            | 11.00            | 10.93            | 12.30   |
|           |            | 1       | 25        | 11.02            | 11.08            | 11.19            | 12.30   |
|           |            | 1       | 49        | 11.12            | 11.21            | 11.21            | 12.30   |
|           |            | 25      | 0         | 11.10            | 10.86            | 11.11            | 12.30   |
|           |            | 25      | 13        | 11.09            | 11.12            | 11.04            | 12.30   |
|           |            | 25      | 25        | 10.98            | 11.21            | 11.18            | 12.30   |
|           |            | 50      | 0         | 10.99            | 11.14            | 10.90            | 12.30   |
|           | 16QAM      | 1       | 0         | 11.40            | 11.28            | 11.28            | 12.30   |
|           |            | 1       | 25        | 11.32            | 10.96            | 11.21            | 12.30   |
|           |            | 1       | 49        | 11.23            | 11.18            | 11.38            | 12.30   |
|           |            | 25      | 0         | 11.09            | 11.18            | 11.06            | 12.30   |
|           |            | 25      | 13        | 11.10            | 11.02            | 11.13            | 12.30   |
|           |            | 25      | 25        | 11.26            | 11.18            | 11.15            | 12.30   |
|           |            | 50      | 0         | 11.11            | 11.08            | 11.07            | 12.30   |
|           | 64QAM      | 1       | 0         | 11.25            | 11.22            | 11.30            | 12.30   |
|           |            | 1       | 25        | 11.13            | 11.09            | 11.22            | 12.30   |
|           |            | 1       | 49        | 11.50            | 11.21            | 11.10            | 12.30   |
|           |            | 25      | 0         | 11.22            | 11.19            | 11.01            | 12.30   |
|           |            | 25      | 13        | 11.05            | 11.12            | 10.91            | 12.30   |
|           |            | 25      | 25        | 11.12            | 11.11            | 11.18            | 12.30   |
|           |            | 50      | 0         | 11.05            | 10.92            | 11.04            | 12.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20025 | Channel<br>20175 | Channel<br>20325 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 11.14            | 11.02            | 11.02            | 12.30   |
|           |            | 1       | 38        | 11.04            | 11.03            | 11.12            | 12.30   |

|           |            | 1       | 74        | 11.18   | 11.19   | 11.29   | 12.30   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 36      | 0         | 11.09   | 10.94   | 11.18   | 12.30   |
|           |            | 36      | 18        | 11.03   | 11.10   | 11.07   | 12.30   |
|           |            | 36      | 39        | 10.87   | 11.11   | 11.11   | 12.30   |
|           |            | 75      | 0         | 11.03   | 11.03   | 10.85   | 12.30   |
|           | 16QAM      | 1       | 0         | 11.37   | 11.15   | 11.26   | 12.30   |
|           |            | 1       | 38        | 11.25   | 11.00   | 11.13   | 12.30   |
|           |            | 1       | 74        | 11.23   | 11.15   | 11.33   | 12.30   |
|           |            | 36      | 0         | 10.97   | 11.07   | 11.10   | 12.30   |
|           |            | 36      | 18        | 11.03   | 11.08   | 11.11   | 12.30   |
|           |            | 36      | 39        | 11.25   | 11.26   | 11.08   | 12.30   |
|           |            | 75      | 0         | 10.97   | 11.12   | 11.08   | 12.30   |
|           | 64QAM      | 1       | 0         | 11.18   | 11.28   | 11.23   | 12.30   |
|           |            | 1       | 38        | 11.08   | 11.10   | 11.23   | 12.30   |
|           |            | 1       | 74        | 11.37   | 11.31   | 11.12   | 12.30   |
|           |            | 36      | 0         | 11.19   | 11.18   | 11.02   | 12.30   |
|           |            | 36      | 18        | 11.11   | 11.07   | 10.94   | 12.30   |
|           |            | 36      | 39        | 11.07   | 11.06   | 11.13   | 12.30   |
|           |            | 75      | 0         | 11.12   | 10.92   | 11.06   | 12.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 11.11   | 11.06   | 10.97   | 12.30   |
|           |            | 1       | 50        | 11.04   | 11.07   | 11.12   | 12.30   |
|           |            | 1       | 99        | 11.12   | 11.14   | 11.21   | 12.30   |
|           |            | 50      | 0         | 11.03   | 10.92   | 11.14   | 12.30   |
|           |            | 50      | 25        | 11.06   | 11.09   | 11.11   | 12.30   |
|           |            | 50      | 50        | 10.90   | 11.14   | 11.19   | 12.30   |
|           |            | 100     | 0         | 11.02   | 11.09   | 10.90   | 12.30   |
|           | 16QAM      | 1       | 0         | 11.35   | 11.22   | 11.34   | 12.30   |
|           |            | 1       | 50        | 11.32   | 11.02   | 11.16   | 12.30   |
|           |            | 1       | 99        | 11.31   | 11.23   | 11.33   | 12.30   |
|           |            | 50      | 0         | 11.01   | 11.11   | 11.12   | 12.30   |
|           |            | 50      | 25        | 11.11   | 11.03   | 11.11   | 12.30   |
|           |            | 50      | 50        | 11.25   | 11.20   | 11.14   | 12.30   |
|           |            | 100     | 0         | 11.05   | 11.11   | 11.00   | 12.30   |
|           | 64QAM      | 1       | 0         | 11.17   | 11.24   | 11.23   | 12.30   |
|           |            | 1       | 50        | 11.14   | 11.10   | 11.27   | 12.30   |
|           |            | 1       | 99        | 11.43   | 11.27   | 11.10   | 12.30   |
|           |            | 50      | 0         | 11.22   | 11.13   | 11.02   | 12.30   |
|           |            | 50      | 25        | 11.05   | 11.08   | 10.94   | 12.30   |
|           |            | 50      | 50        | 11.09   | 11.05   | 11.15   | 12.30   |
|           |            | 100     | 0         | 11.12   | 10.90   | 11.02   | 12.30   |

| LTE Band 5 DSI 6 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz           | QPSK       | 1       | 0         | 22.74                | 22.91   | 22.90   | 24.00   |
|                  |            | 1       | 2         | 22.79                | 22.90   | 22.75   | 24.00   |
|                  |            | 1       | 5         | 22.83                | 22.93   | 22.85   | 24.00   |
|                  |            | 3       | 0         | 22.76                | 22.70   | 22.81   | 24.00   |
|                  |            | 3       | 2         | 22.68                | 22.71   | 22.76   | 24.00   |
|                  |            | 3       | 3         | 22.74                | 22.74   | 22.75   | 24.00   |
|                  |            | 6       | 0         | 22.76                | 22.84   | 22.79   | 24.00   |
|                  | 16QAM      | 1       | 0         | 22.69                | 22.86   | 22.79   | 24.00   |
|                  |            | 1       | 2         | 22.91                | 22.87   | 22.71   | 24.00   |
|                  |            | 1       | 5         | 22.98                | 22.86   | 22.86   | 24.00   |
|                  |            | 3       | 0         | 22.75                | 22.73   | 22.79   | 24.00   |
|                  |            | 3       | 2         | 22.76                | 22.71   | 22.73   | 24.00   |
|                  |            | 3       | 3         | 22.65                | 22.78   | 22.66   | 24.00   |
|                  |            | 6       | 0         | 21.67                | 21.70   | 21.69   | 23.00   |
|                  | 64QAM      | 1       | 0         | 21.76                | 21.80   | 21.64   | 23.00   |
|                  |            | 1       | 2         | 21.68                | 21.75   | 21.81   | 23.00   |
|                  |            | 1       | 5         | 21.80                | 21.90   | 21.68   | 23.00   |
|                  |            | 3       | 0         | 21.76                | 21.79   | 21.77   | 23.00   |
|                  |            | 3       | 2         | 21.75                | 21.78   | 21.66   | 23.00   |
|                  |            | 3       | 3         | 21.63                | 21.80   | 21.71   | 23.00   |
|                  |            | 6       | 0         | 20.68                | 20.80   | 20.73   | 22.00   |
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 20415                | 20525   | 20635   |         |
| 3MHz             | QPSK       | 1       | 0         | 22.83                | 22.84   | 22.80   | 24.00   |
|                  |            | 1       | 7         | 22.76                | 22.86   | 22.76   | 24.00   |
|                  |            | 1       | 14        | 22.78                | 22.88   | 22.79   | 24.00   |
|                  |            | 8       | 0         | 22.79                | 22.86   | 22.80   | 24.00   |
|                  |            | 8       | 4         | 22.79                | 22.81   | 22.71   | 24.00   |
|                  |            | 8       | 7         | 22.75                | 22.80   | 22.70   | 24.00   |
|                  |            | 15      | 0         | 22.76                | 22.74   | 22.79   | 24.00   |
|                  | 16QAM      | 1       | 0         | 22.76                | 22.88   | 22.69   | 24.00   |
|                  |            | 1       | 7         | 22.77                | 22.89   | 22.82   | 24.00   |
|                  |            | 1       | 14        | 22.86                | 23.01   | 22.83   | 24.00   |
|                  |            | 8       | 0         | 21.67                | 21.80   | 21.70   | 23.00   |
|                  |            | 8       | 4         | 21.76                | 21.79   | 21.78   | 23.00   |
|                  |            | 8       | 7         | 21.76                | 21.74   | 21.70   | 23.00   |
|                  |            | 15      | 0         | 21.75                | 21.72   | 21.80   | 23.00   |
|                  | 64QAM      | 1       | 0         | 21.76                | 21.88   | 21.73   | 23.00   |
|                  |            | 1       | 7         | 21.65                | 21.86   | 21.87   | 23.00   |
|                  |            | 1       | 14        | 21.84                | 21.84   | 21.74   | 23.00   |
|                  |            | 8       | 0         | 20.79                | 20.73   | 20.69   | 22.00   |
|                  |            | 8       | 4         | 20.67                | 20.80   | 20.68   | 22.00   |
|                  |            | 8       | 7         | 20.80                | 20.79   | 20.63   | 22.00   |
|                  |            | 15      | 0         | 20.71                | 20.81   | 20.64   | 22.00   |
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |

|           |            |         |           | 20425            | 20525            | 20625            |         |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
| 5MHz      | QPSK       | 1       | 0         | 22.75            | 22.88            | 22.84            | 24.00   |
|           |            | 1       | 13        | 22.85            | 22.96            | 22.81            | 24.00   |
|           |            | 1       | 24        | 22.74            | 22.87            | 22.76            | 24.00   |
|           |            | 12      | 0         | 22.69            | 22.72            | 22.80            | 24.00   |
|           |            | 12      | 6         | 22.78            | 22.78            | 22.81            | 24.00   |
|           |            | 12      | 13        | 22.85            | 22.74            | 22.64            | 24.00   |
|           |            | 25      | 0         | 22.74            | 22.83            | 22.68            | 24.00   |
|           | 16QAM      | 1       | 0         | 22.84            | 22.91            | 22.71            | 24.00   |
|           |            | 1       | 13        | 22.80            | 22.79            | 22.78            | 24.00   |
|           |            | 1       | 24        | 22.97            | 22.95            | 22.82            | 24.00   |
|           |            | 12      | 0         | 21.70            | 21.81            | 21.74            | 23.00   |
|           |            | 12      | 6         | 21.77            | 21.85            | 21.67            | 23.00   |
|           |            | 12      | 13        | 21.68            | 21.78            | 21.80            | 23.00   |
|           |            | 25      | 0         | 21.74            | 21.78            | 21.80            | 23.00   |
|           | 64QAM      | 1       | 0         | 21.72            | 21.84            | 21.75            | 23.00   |
|           |            | 1       | 13        | 21.75            | 21.77            | 21.79            | 23.00   |
|           |            | 1       | 24        | 21.83            | 21.86            | 21.75            | 23.00   |
|           |            | 12      | 0         | 20.75            | 20.77            | 20.79            | 22.00   |
|           |            | 12      | 6         | 20.75            | 20.72            | 20.62            | 22.00   |
|           |            | 12      | 13        | 20.73            | 20.75            | 20.68            | 22.00   |
|           |            | 25      | 0         | 20.76            | 20.76            | 20.67            | 22.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20450 | Channel<br>20525 | Channel<br>20600 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 22.81            | 22.86            | 22.87            | 24.00   |
|           |            | 1       | 25        | 22.78            | 22.88            | 22.80            | 24.00   |
|           |            | 1       | 49        | 22.82            | 22.90            | 22.78            | 24.00   |
|           |            | 25      | 0         | 22.75            | 22.78            | 22.76            | 24.00   |
|           |            | 25      | 13        | 22.74            | 22.77            | 22.73            | 24.00   |
|           |            | 25      | 25        | 22.79            | 22.82            | 22.72            | 24.00   |
|           |            | 50      | 0         | 22.76            | 22.79            | 22.75            | 24.00   |
|           | 16QAM      | 1       | 0         | 22.76            | 22.85            | 22.77            | 24.00   |
|           |            | 1       | 25        | 22.85            | 22.87            | 22.75            | 24.00   |
|           |            | 1       | 49        | 22.91            | 22.93            | 22.81            | 24.00   |
|           |            | 25      | 0         | 21.74            | 21.81            | 21.75            | 23.00   |
|           |            | 25      | 13        | 21.75            | 21.80            | 21.74            | 23.00   |
|           |            | 25      | 25        | 21.70            | 21.79            | 21.72            | 23.00   |
|           |            | 50      | 0         | 21.72            | 21.77            | 21.72            | 23.00   |
|           | 64QAM      | 1       | 0         | 21.75            | 21.81            | 21.71            | 23.00   |
|           |            | 1       | 25        | 21.73            | 21.83            | 21.79            | 23.00   |
|           |            | 1       | 49        | 21.77            | 21.86            | 21.74            | 23.00   |
|           |            | 25      | 0         | 20.73            | 20.80            | 20.76            | 22.00   |
|           |            | 25      | 13        | 20.73            | 20.78            | 20.64            | 22.00   |
|           |            | 25      | 25        | 20.72            | 20.79            | 20.67            | 22.00   |
|           |            | 50      | 0         | 20.73            | 20.76            | 20.70            | 22.00   |

| LTE Band 5 DSI 8 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz           | QPSK       | 1       | 0         | 20.76                | 20.89   | 20.81   | 22.00   |
|                  |            | 1       | 2         | 20.79                | 20.73   | 20.79   | 22.00   |
|                  |            | 1       | 5         | 20.90                | 21.01   | 20.83   | 22.00   |
|                  |            | 3       | 0         | 20.87                | 20.92   | 20.74   | 22.00   |
|                  |            | 3       | 2         | 20.62                | 20.71   | 20.65   | 22.00   |
|                  |            | 3       | 3         | 20.94                | 20.93   | 20.79   | 22.00   |
|                  |            | 6       | 0         | 20.71                | 20.69   | 20.82   | 22.00   |
|                  | 16QAM      | 1       | 0         | 20.80                | 20.86   | 20.74   | 22.00   |
|                  |            | 1       | 2         | 20.86                | 20.85   | 20.81   | 22.00   |
|                  |            | 1       | 5         | 20.89                | 20.96   | 20.87   | 22.00   |
|                  |            | 3       | 0         | 20.70                | 20.77   | 20.62   | 22.00   |
|                  |            | 3       | 2         | 20.79                | 20.81   | 20.72   | 22.00   |
|                  |            | 3       | 3         | 20.79                | 20.89   | 20.68   | 22.00   |
|                  |            | 6       | 0         | 20.76                | 20.77   | 20.76   | 22.00   |
|                  | 64QAM      | 1       | 0         | 20.83                | 20.80   | 20.66   | 22.00   |
|                  |            | 1       | 2         | 20.75                | 20.84   | 20.90   | 22.00   |
|                  |            | 1       | 5         | 20.71                | 20.86   | 20.74   | 22.00   |
|                  |            | 3       | 0         | 20.74                | 20.86   | 20.75   | 22.00   |
|                  |            | 3       | 2         | 20.79                | 20.76   | 20.54   | 22.00   |
|                  |            | 3       | 3         | 20.61                | 20.87   | 20.58   | 22.00   |
|                  |            | 6       | 0         | 20.83                | 20.79   | 20.68   | 22.00   |
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 20415                | 20525   | 20635   |         |
| 3MHz             | QPSK       | 1       | 0         | 20.73                | 20.97   | 20.96   | 22.00   |
|                  |            | 1       | 7         | 20.78                | 20.76   | 20.76   | 22.00   |
|                  |            | 1       | 14        | 20.82                | 20.95   | 20.90   | 22.00   |
|                  |            | 8       | 0         | 20.89                | 20.84   | 20.65   | 22.00   |
|                  |            | 8       | 4         | 20.65                | 20.84   | 20.73   | 22.00   |
|                  |            | 8       | 7         | 20.80                | 20.88   | 20.80   | 22.00   |
|                  |            | 15      | 0         | 20.75                | 20.83   | 20.87   | 22.00   |
|                  | 16QAM      | 1       | 0         | 20.90                | 20.82   | 20.87   | 22.00   |
|                  |            | 1       | 7         | 20.89                | 20.87   | 20.80   | 22.00   |
|                  |            | 1       | 14        | 20.82                | 20.94   | 20.90   | 22.00   |
|                  |            | 8       | 0         | 20.83                | 20.83   | 20.73   | 22.00   |
|                  |            | 8       | 4         | 20.72                | 20.90   | 20.69   | 22.00   |
|                  |            | 8       | 7         | 20.68                | 20.79   | 20.71   | 22.00   |
|                  |            | 15      | 0         | 20.71                | 20.73   | 20.61   | 22.00   |
|                  | 64QAM      | 1       | 0         | 20.74                | 20.84   | 20.58   | 22.00   |
|                  |            | 1       | 7         | 20.86                | 20.85   | 20.85   | 22.00   |
|                  |            | 1       | 14        | 20.78                | 20.83   | 20.77   | 22.00   |
|                  |            | 8       | 0         | 20.73                | 20.79   | 20.80   | 22.00   |
|                  |            | 8       | 4         | 20.79                | 20.79   | 20.66   | 22.00   |
|                  |            | 8       | 7         | 20.71                | 20.93   | 20.68   | 22.00   |
|                  |            | 15      | 0         | 20.85                | 20.75   | 20.68   | 22.00   |
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |

|           |            |         |           | 20425            | 20525            | 20625            |         |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
| 5MHz      | QPSK       | 1       | 0         | 20.75            | 21.01            | 20.81            | 22.00   |
|           |            | 1       | 13        | 20.78            | 20.87            | 20.73            | 22.00   |
|           |            | 1       | 24        | 20.80            | 20.93            | 20.79            | 22.00   |
|           |            | 12      | 0         | 20.73            | 20.91            | 20.77            | 22.00   |
|           |            | 12      | 6         | 20.64            | 20.75            | 20.61            | 22.00   |
|           |            | 12      | 13        | 20.94            | 20.82            | 20.77            | 22.00   |
|           |            | 25      | 0         | 20.81            | 20.78            | 20.76            | 22.00   |
|           | 16QAM      | 1       | 0         | 20.81            | 20.83            | 20.78            | 22.00   |
|           |            | 1       | 13        | 20.88            | 20.92            | 20.69            | 22.00   |
|           |            | 1       | 24        | 20.80            | 20.83            | 20.80            | 22.00   |
|           |            | 12      | 0         | 20.72            | 20.85            | 20.74            | 22.00   |
|           |            | 12      | 6         | 20.78            | 20.90            | 20.76            | 22.00   |
|           |            | 12      | 13        | 20.80            | 20.78            | 20.76            | 22.00   |
|           |            | 25      | 0         | 20.66            | 20.87            | 20.64            | 22.00   |
|           | 64QAM      | 1       | 0         | 20.71            | 20.78            | 20.73            | 22.00   |
|           |            | 1       | 13        | 20.74            | 20.93            | 20.79            | 22.00   |
|           |            | 1       | 24        | 20.71            | 20.85            | 20.82            | 22.00   |
|           |            | 12      | 0         | 20.74            | 20.85            | 20.68            | 22.00   |
|           |            | 12      | 6         | 20.76            | 20.76            | 20.67            | 22.00   |
|           |            | 12      | 13        | 20.62            | 20.86            | 20.66            | 22.00   |
|           |            | 25      | 0         | 20.71            | 20.83            | 20.72            | 22.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20450 | Channel<br>20525 | Channel<br>20600 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 20.74            | 20.93            | 20.89            | 22.00   |
|           |            | 1       | 25        | 20.80            | 20.81            | 20.75            | 22.00   |
|           |            | 1       | 49        | 20.86            | 20.94            | 20.83            | 22.00   |
|           |            | 25      | 0         | 20.81            | 20.84            | 20.71            | 22.00   |
|           |            | 25      | 13        | 20.67            | 20.78            | 20.66            | 22.00   |
|           |            | 25      | 25        | 20.86            | 20.85            | 20.74            | 22.00   |
|           |            | 50      | 0         | 20.76            | 20.75            | 20.79            | 22.00   |
|           | 16QAM      | 1       | 0         | 20.82            | 20.84            | 20.81            | 22.00   |
|           |            | 1       | 25        | 20.87            | 20.92            | 20.77            | 22.00   |
|           |            | 1       | 49        | 20.87            | 20.91            | 20.82            | 22.00   |
|           |            | 25      | 0         | 20.78            | 20.85            | 20.70            | 22.00   |
|           |            | 25      | 13        | 20.73            | 20.82            | 20.69            | 22.00   |
|           |            | 25      | 25        | 20.76            | 20.85            | 20.68            | 22.00   |
|           |            | 50      | 0         | 20.68            | 20.80            | 20.68            | 22.00   |
|           | 64QAM      | 1       | 0         | 20.75            | 20.78            | 20.65            | 22.00   |
|           |            | 1       | 25        | 20.79            | 20.85            | 20.83            | 22.00   |
|           |            | 1       | 49        | 20.79            | 20.84            | 20.80            | 22.00   |
|           |            | 25      | 0         | 20.72            | 20.84            | 20.73            | 22.00   |
|           |            | 25      | 13        | 20.75            | 20.84            | 20.60            | 22.00   |
|           |            | 25      | 25        | 20.68            | 20.85            | 20.61            | 22.00   |
|           |            | 50      | 0         | 20.77            | 20.75            | 20.72            | 22.00   |

| LTE Band 5 DSI 5 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz           | QPSK       | 1       | 0         | 19.81                | 19.90   | 19.82   | 21.00   |
|                  |            | 1       | 2         | 19.69                | 19.92   | 19.81   | 21.00   |
|                  |            | 1       | 5         | 19.84                | 20.08   | 19.89   | 21.00   |
|                  |            | 3       | 0         | 19.76                | 19.86   | 19.70   | 21.00   |
|                  |            | 3       | 2         | 19.64                | 19.76   | 19.59   | 21.00   |
|                  |            | 3       | 3         | 19.88                | 19.81   | 19.69   | 21.00   |
|                  |            | 6       | 0         | 19.78                | 19.64   | 19.83   | 21.00   |
|                  | 16QAM      | 1       | 0         | 19.84                | 19.81   | 19.83   | 21.00   |
|                  |            | 1       | 2         | 19.83                | 19.89   | 19.64   | 21.00   |
|                  |            | 1       | 5         | 19.90                | 19.99   | 19.81   | 21.00   |
|                  |            | 3       | 0         | 19.65                | 19.96   | 19.74   | 21.00   |
|                  |            | 3       | 2         | 19.75                | 19.85   | 19.75   | 21.00   |
|                  |            | 3       | 3         | 19.74                | 19.86   | 19.75   | 21.00   |
|                  |            | 6       | 0         | 19.73                | 19.84   | 19.60   | 21.00   |
|                  | 64QAM      | 1       | 0         | 19.86                | 19.87   | 19.66   | 21.00   |
|                  |            | 1       | 2         | 19.91                | 19.85   | 19.86   | 21.00   |
|                  |            | 1       | 5         | 19.77                | 19.81   | 19.70   | 21.00   |
|                  |            | 3       | 0         | 19.68                | 19.74   | 19.71   | 21.00   |
|                  |            | 3       | 2         | 19.77                | 19.85   | 19.59   | 21.00   |
|                  |            | 3       | 3         | 19.67                | 19.96   | 19.56   | 21.00   |
|                  |            | 6       | 0         | 19.67                | 19.67   | 19.73   | 21.00   |
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 20415                | 20525   | 20635   |         |
| 3MHz             | QPSK       | 1       | 0         | 19.76                | 19.93   | 19.91   | 21.00   |
|                  |            | 1       | 7         | 19.69                | 19.90   | 19.80   | 21.00   |
|                  |            | 1       | 14        | 19.85                | 20.05   | 19.86   | 21.00   |
|                  |            | 8       | 0         | 19.81                | 19.93   | 19.63   | 21.00   |
|                  |            | 8       | 4         | 19.61                | 19.69   | 19.68   | 21.00   |
|                  |            | 8       | 7         | 19.96                | 19.81   | 19.65   | 21.00   |
|                  |            | 15      | 0         | 19.64                | 19.76   | 19.73   | 21.00   |
|                  | 16QAM      | 1       | 0         | 19.83                | 19.78   | 19.78   | 21.00   |
|                  |            | 1       | 7         | 19.87                | 19.95   | 19.72   | 21.00   |
|                  |            | 1       | 14        | 19.87                | 20.00   | 19.88   | 21.00   |
|                  |            | 8       | 0         | 19.72                | 19.94   | 19.66   | 21.00   |
|                  |            | 8       | 4         | 19.62                | 19.86   | 19.65   | 21.00   |
|                  |            | 8       | 7         | 19.88                | 19.87   | 19.76   | 21.00   |
|                  |            | 15      | 0         | 19.69                | 19.78   | 19.64   | 21.00   |
|                  | 64QAM      | 1       | 0         | 19.87                | 19.83   | 19.65   | 21.00   |
|                  |            | 1       | 7         | 19.89                | 19.85   | 19.89   | 21.00   |
|                  |            | 1       | 14        | 19.71                | 19.81   | 19.72   | 21.00   |
|                  |            | 8       | 0         | 19.67                | 19.90   | 19.66   | 21.00   |
|                  |            | 8       | 4         | 19.69                | 19.83   | 19.70   | 21.00   |
|                  |            | 8       | 7         | 19.67                | 19.94   | 19.54   | 21.00   |
|                  |            | 15      | 0         | 19.69                | 19.63   | 19.77   | 21.00   |
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |

|           |            |         |           | 20425            | 20525            | 20625            |         |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
| 5MHz      | QPSK       | 1       | 0         | 19.78            | 19.92            | 19.85            | 21.00   |
|           |            | 1       | 13        | 19.83            | 19.80            | 19.75            | 21.00   |
|           |            | 1       | 24        | 19.82            | 20.08            | 19.90            | 21.00   |
|           |            | 12      | 0         | 19.69            | 19.84            | 19.67            | 21.00   |
|           |            | 12      | 6         | 19.66            | 19.80            | 19.66            | 21.00   |
|           |            | 12      | 13        | 19.85            | 19.88            | 19.67            | 21.00   |
|           |            | 25      | 0         | 19.65            | 19.65            | 19.72            | 21.00   |
|           | 16QAM      | 1       | 0         | 19.79            | 19.80            | 19.81            | 21.00   |
|           |            | 1       | 13        | 19.85            | 19.93            | 19.80            | 21.00   |
|           |            | 1       | 24        | 19.75            | 19.95            | 19.83            | 21.00   |
|           |            | 12      | 0         | 19.68            | 19.92            | 19.67            | 21.00   |
|           |            | 12      | 6         | 19.62            | 19.75            | 19.75            | 21.00   |
|           |            | 12      | 13        | 19.83            | 19.87            | 19.64            | 21.00   |
|           |            | 25      | 0         | 19.72            | 19.76            | 19.67            | 21.00   |
|           | 64QAM      | 1       | 0         | 19.73            | 19.71            | 19.69            | 21.00   |
|           |            | 1       | 13        | 19.92            | 19.85            | 19.89            | 21.00   |
|           |            | 1       | 24        | 19.68            | 19.77            | 19.72            | 21.00   |
|           |            | 12      | 0         | 19.77            | 19.90            | 19.62            | 21.00   |
|           |            | 12      | 6         | 19.81            | 19.82            | 19.67            | 21.00   |
|           |            | 12      | 13        | 19.64            | 19.97            | 19.64            | 21.00   |
|           |            | 25      | 0         | 19.68            | 19.72            | 19.67            | 21.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20450 | Channel<br>20525 | Channel<br>20600 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 19.73            | 19.93            | 19.89            | 21.00   |
|           |            | 1       | 25        | 19.77            | 19.87            | 19.79            | 21.00   |
|           |            | 1       | 49        | 19.87            | 20.00            | 19.82            | 21.00   |
|           |            | 25      | 0         | 19.76            | 19.85            | 19.66            | 21.00   |
|           |            | 25      | 13        | 19.62            | 19.74            | 19.67            | 21.00   |
|           |            | 25      | 25        | 19.92            | 19.81            | 19.68            | 21.00   |
|           |            | 50      | 0         | 19.72            | 19.72            | 19.75            | 21.00   |
|           | 16QAM      | 1       | 0         | 19.85            | 19.78            | 19.82            | 21.00   |
|           |            | 1       | 25        | 19.82            | 19.96            | 19.72            | 21.00   |
|           |            | 1       | 49        | 19.83            | 19.94            | 19.82            | 21.00   |
|           |            | 25      | 0         | 19.73            | 19.88            | 19.68            | 21.00   |
|           |            | 25      | 13        | 19.69            | 19.79            | 19.73            | 21.00   |
|           |            | 25      | 25        | 19.81            | 19.85            | 19.70            | 21.00   |
|           |            | 50      | 0         | 19.71            | 19.80            | 19.62            | 21.00   |
|           | 64QAM      | 1       | 0         | 19.80            | 19.79            | 19.63            | 21.00   |
|           |            | 1       | 25        | 19.85            | 19.81            | 19.89            | 21.00   |
|           |            | 1       | 49        | 19.73            | 19.81            | 19.77            | 21.00   |
|           |            | 25      | 0         | 19.71            | 19.82            | 19.68            | 21.00   |
|           |            | 25      | 13        | 19.77            | 19.90            | 19.63            | 21.00   |
|           |            | 25      | 25        | 19.72            | 19.89            | 19.56            | 21.00   |
|           |            | 50      | 0         | 19.72            | 19.70            | 19.70            | 21.00   |

| LTE Band 5 DSI 7 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz           | QPSK       | 1       | 0         | 16.74                | 16.97   | 16.87   | 18.00   |
|                  |            | 1       | 2         | 16.77                | 16.80   | 16.85   | 18.00   |
|                  |            | 1       | 5         | 16.84                | 17.01   | 16.89   | 18.00   |
|                  |            | 3       | 0         | 16.69                | 16.80   | 16.62   | 18.00   |
|                  |            | 3       | 2         | 16.71                | 16.64   | 16.65   | 18.00   |
|                  |            | 3       | 3         | 16.97                | 16.76   | 16.68   | 18.00   |
|                  |            | 6       | 0         | 16.67                | 16.77   | 16.75   | 18.00   |
|                  | 16QAM      | 1       | 0         | 16.95                | 16.76   | 16.85   | 18.00   |
|                  |            | 1       | 2         | 16.91                | 16.91   | 16.57   | 18.00   |
|                  |            | 1       | 5         | 16.80                | 16.92   | 16.81   | 18.00   |
|                  |            | 3       | 0         | 16.63                | 16.80   | 16.57   | 18.00   |
|                  |            | 3       | 2         | 16.73                | 16.81   | 16.77   | 18.00   |
|                  |            | 3       | 3         | 16.86                | 16.84   | 16.55   | 18.00   |
|                  |            | 6       | 0         | 16.84                | 16.66   | 16.47   | 18.00   |
|                  | 64QAM      | 1       | 0         | 16.87                | 16.73   | 16.56   | 18.00   |
|                  |            | 1       | 2         | 16.75                | 16.87   | 16.96   | 18.00   |
|                  |            | 1       | 5         | 16.79                | 16.86   | 16.85   | 18.00   |
|                  |            | 3       | 0         | 16.71                | 16.71   | 16.62   | 18.00   |
|                  |            | 3       | 2         | 16.91                | 16.97   | 16.61   | 18.00   |
|                  |            | 3       | 3         | 16.66                | 16.88   | 16.54   | 18.00   |
|                  |            | 6       | 0         | 16.77                | 16.69   | 16.72   | 18.00   |
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 20415                | 20525   | 20635   |         |
| 3MHz             | QPSK       | 1       | 0         | 16.89                | 16.92   | 16.96   | 18.00   |
|                  |            | 1       | 7         | 16.75                | 16.79   | 16.76   | 18.00   |
|                  |            | 1       | 14        | 16.79                | 17.03   | 16.96   | 18.00   |
|                  |            | 8       | 0         | 16.68                | 16.79   | 16.66   | 18.00   |
|                  |            | 8       | 4         | 16.61                | 16.77   | 16.72   | 18.00   |
|                  |            | 8       | 7         | 16.99                | 16.72   | 16.64   | 18.00   |
|                  |            | 15      | 0         | 16.62                | 16.75   | 16.82   | 18.00   |
|                  | 16QAM      | 1       | 0         | 16.92                | 16.80   | 16.79   | 18.00   |
|                  |            | 1       | 7         | 16.92                | 16.99   | 16.72   | 18.00   |
|                  |            | 1       | 14        | 16.86                | 16.85   | 16.88   | 18.00   |
|                  |            | 8       | 0         | 16.78                | 16.83   | 16.73   | 18.00   |
|                  |            | 8       | 4         | 16.64                | 16.79   | 16.75   | 18.00   |
|                  |            | 8       | 7         | 16.75                | 16.73   | 16.55   | 18.00   |
|                  |            | 15      | 0         | 16.77                | 16.77   | 16.48   | 18.00   |
|                  | 64QAM      | 1       | 0         | 16.80                | 16.73   | 16.67   | 18.00   |
|                  |            | 1       | 7         | 16.82                | 16.83   | 16.91   | 18.00   |
|                  |            | 1       | 14        | 16.84                | 16.78   | 16.76   | 18.00   |
|                  |            | 8       | 0         | 16.72                | 16.76   | 16.62   | 18.00   |
|                  |            | 8       | 4         | 16.77                | 16.90   | 16.71   | 18.00   |
|                  |            | 8       | 7         | 16.63                | 16.88   | 16.48   | 18.00   |
|                  |            | 15      | 0         | 16.67                | 16.61   | 16.74   | 18.00   |
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |

|           |            |         |           | 20425            | 20525            | 20625            |         |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
| 5MHz      | QPSK       | 1       | 0         | 16.80            | 17.01            | 16.83            | 18.00   |
|           |            | 1       | 13        | 16.78            | 16.81            | 16.79            | 18.00   |
|           |            | 1       | 24        | 16.81            | 17.06            | 16.87            | 18.00   |
|           |            | 12      | 0         | 16.67            | 16.83            | 16.77            | 18.00   |
|           |            | 12      | 6         | 16.59            | 16.68            | 16.62            | 18.00   |
|           |            | 12      | 13        | 16.90            | 16.71            | 16.62            | 18.00   |
|           |            | 25      | 0         | 16.68            | 16.72            | 16.79            | 18.00   |
|           | 16QAM      | 1       | 0         | 16.81            | 16.80            | 16.82            | 18.00   |
|           |            | 1       | 13        | 16.83            | 16.84            | 16.71            | 18.00   |
|           |            | 1       | 24        | 16.84            | 16.85            | 16.82            | 18.00   |
|           |            | 12      | 0         | 16.66            | 16.78            | 16.68            | 18.00   |
|           |            | 12      | 6         | 16.79            | 16.83            | 16.75            | 18.00   |
|           |            | 12      | 13        | 16.77            | 16.72            | 16.58            | 18.00   |
|           |            | 25      | 0         | 16.83            | 16.81            | 16.48            | 18.00   |
|           | 64QAM      | 1       | 0         | 16.73            | 16.81            | 16.58            | 18.00   |
|           |            | 1       | 13        | 16.89            | 16.78            | 16.93            | 18.00   |
|           |            | 1       | 24        | 16.78            | 16.85            | 16.81            | 18.00   |
|           |            | 12      | 0         | 16.71            | 16.68            | 16.61            | 18.00   |
|           |            | 12      | 6         | 16.81            | 16.99            | 16.64            | 18.00   |
|           |            | 12      | 13        | 16.71            | 16.92            | 16.54            | 18.00   |
|           |            | 25      | 0         | 16.72            | 16.62            | 16.71            | 18.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20450 | Channel<br>20525 | Channel<br>20600 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 16.81            | 16.97            | 16.88            | 18.00   |
|           |            | 1       | 25        | 16.78            | 16.82            | 16.80            | 18.00   |
|           |            | 1       | 49        | 16.85            | 17.05            | 16.88            | 18.00   |
|           |            | 25      | 0         | 16.69            | 16.79            | 16.69            | 18.00   |
|           |            | 25      | 13        | 16.67            | 16.69            | 16.68            | 18.00   |
|           |            | 25      | 25        | 16.91            | 16.76            | 16.69            | 18.00   |
|           |            | 50      | 0         | 16.69            | 16.77            | 16.79            | 18.00   |
|           | 16QAM      | 1       | 0         | 16.88            | 16.80            | 16.86            | 18.00   |
|           |            | 1       | 25        | 16.85            | 16.92            | 16.64            | 18.00   |
|           |            | 1       | 49        | 16.85            | 16.89            | 16.80            | 18.00   |
|           |            | 25      | 0         | 16.70            | 16.84            | 16.65            | 18.00   |
|           |            | 25      | 13        | 16.72            | 16.87            | 16.73            | 18.00   |
|           |            | 25      | 25        | 16.79            | 16.77            | 16.62            | 18.00   |
|           |            | 50      | 0         | 16.79            | 16.73            | 16.55            | 18.00   |
|           | 64QAM      | 1       | 0         | 16.81            | 16.78            | 16.61            | 18.00   |
|           |            | 1       | 25        | 16.83            | 16.82            | 16.88            | 18.00   |
|           |            | 1       | 49        | 16.79            | 16.79            | 16.77            | 18.00   |
|           |            | 25      | 0         | 16.70            | 16.75            | 16.68            | 18.00   |
|           |            | 25      | 13        | 16.83            | 16.96            | 16.69            | 18.00   |
|           |            | 25      | 25        | 16.71            | 16.84            | 16.53            | 18.00   |
|           |            | 50      | 0         | 16.74            | 16.65            | 16.77            | 18.00   |

| LTE Band 7 DSI 6 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz             | QPSK       | 1       | 0         | 17.37                | 17.38   | 17.38   | 18.50   |
|                  |            | 1       | 13        | 17.34                | 17.18   | 17.29   | 18.50   |
|                  |            | 1       | 24        | 17.33                | 17.29   | 17.48   | 18.50   |
|                  |            | 12      | 0         | 17.41                | 17.24   | 17.33   | 18.50   |
|                  |            | 12      | 6         | 17.33                | 17.24   | 17.39   | 18.50   |
|                  |            | 12      | 13        | 17.24                | 17.27   | 17.28   | 18.50   |
|                  |            | 25      | 0         | 17.30                | 17.21   | 17.31   | 18.50   |
|                  | 16QAM      | 1       | 0         | 17.39                | 17.40   | 17.54   | 18.50   |
|                  |            | 1       | 13        | 17.44                | 17.30   | 17.34   | 18.50   |
|                  |            | 1       | 24        | 17.43                | 17.34   | 17.39   | 18.50   |
|                  |            | 12      | 0         | 17.21                | 17.26   | 17.30   | 18.50   |
|                  |            | 12      | 6         | 17.28                | 17.20   | 17.31   | 18.50   |
|                  |            | 12      | 13        | 17.26                | 17.32   | 17.30   | 18.50   |
|                  |            | 25      | 0         | 17.33                | 17.19   | 17.35   | 18.50   |
|                  | 64QAM      | 1       | 0         | 17.42                | 17.38   | 17.37   | 18.50   |
|                  |            | 1       | 13        | 17.30                | 17.33   | 17.25   | 18.50   |
|                  |            | 1       | 24        | 17.41                | 17.32   | 17.44   | 18.50   |
|                  |            | 12      | 0         | 17.33                | 17.24   | 17.25   | 18.50   |
|                  |            | 12      | 6         | 17.37                | 17.22   | 17.36   | 18.50   |
|                  |            | 12      | 13        | 17.30                | 17.27   | 17.26   | 18.50   |
|                  |            | 25      | 0         | 17.38                | 17.33   | 17.22   | 18.50   |
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 20800                | 21100   | 21400   |         |
| 10MHz            | QPSK       | 1       | 0         | 17.24                | 17.26   | 17.27   | 18.50   |
|                  |            | 1       | 25        | 17.24                | 17.20   | 17.34   | 18.50   |
|                  |            | 1       | 49        | 17.39                | 17.38   | 17.47   | 18.50   |
|                  |            | 25      | 0         | 17.39                | 17.36   | 17.24   | 18.50   |
|                  |            | 25      | 13        | 17.34                | 17.32   | 17.34   | 18.50   |
|                  |            | 25      | 25        | 17.26                | 17.33   | 17.36   | 18.50   |
|                  |            | 50      | 0         | 17.24                | 17.35   | 17.26   | 18.50   |
|                  | 16QAM      | 1       | 0         | 17.31                | 17.39   | 17.52   | 18.50   |
|                  |            | 1       | 25        | 17.34                | 17.34   | 17.34   | 18.50   |
|                  |            | 1       | 49        | 17.39                | 17.45   | 17.47   | 18.50   |
|                  |            | 25      | 0         | 17.28                | 17.30   | 17.29   | 18.50   |
|                  |            | 25      | 13        | 17.31                | 17.30   | 17.37   | 18.50   |
|                  |            | 25      | 25        | 17.37                | 17.19   | 17.27   | 18.50   |
|                  |            | 50      | 0         | 17.28                | 17.33   | 17.28   | 18.50   |
|                  | 64QAM      | 1       | 0         | 17.35                | 17.26   | 17.41   | 18.50   |
|                  |            | 1       | 25        | 17.34                | 17.31   | 17.35   | 18.50   |
|                  |            | 1       | 49        | 17.35                | 17.29   | 17.29   | 18.50   |
|                  |            | 25      | 0         | 17.37                | 17.20   | 17.37   | 18.50   |
|                  |            | 25      | 13        | 17.35                | 17.24   | 17.27   | 18.50   |
|                  |            | 25      | 25        | 17.35                | 17.30   | 17.37   | 18.50   |
|                  |            | 50      | 0         | 17.32                | 17.19   | 17.31   | 18.50   |
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |

|           |            |         |           | 20825            | 21100            | 21375            |         |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
| 15MHz     | QPSK       | 1       | 0         | 17.25            | 17.34            | 17.37            | 18.50   |
|           |            | 1       | 38        | 17.37            | 17.32            | 17.27            | 18.50   |
|           |            | 1       | 74        | 17.34            | 17.31            | 17.44            | 18.50   |
|           |            | 36      | 0         | 17.28            | 17.29            | 17.33            | 18.50   |
|           |            | 36      | 18        | 17.38            | 17.20            | 17.30            | 18.50   |
|           |            | 36      | 39        | 17.22            | 17.31            | 17.29            | 18.50   |
|           |            | 75      | 0         | 17.33            | 17.26            | 17.36            | 18.50   |
|           | 16QAM      | 1       | 0         | 17.47            | 17.44            | 17.53            | 18.50   |
|           |            | 1       | 38        | 17.41            | 17.31            | 17.43            | 18.50   |
|           |            | 1       | 74        | 17.49            | 17.35            | 17.51            | 18.50   |
|           |            | 36      | 0         | 17.26            | 17.22            | 17.32            | 18.50   |
|           |            | 36      | 18        | 17.32            | 17.28            | 17.37            | 18.50   |
|           |            | 36      | 39        | 17.33            | 17.27            | 17.35            | 18.50   |
|           |            | 75      | 0         | 17.31            | 17.33            | 17.33            | 18.50   |
|           | 64QAM      | 1       | 0         | 17.39            | 17.26            | 17.33            | 18.50   |
|           |            | 1       | 38        | 17.32            | 17.29            | 17.35            | 18.50   |
|           |            | 1       | 74        | 17.32            | 17.36            | 17.31            | 18.50   |
|           |            | 36      | 0         | 17.25            | 17.28            | 17.26            | 18.50   |
|           |            | 36      | 18        | 17.24            | 17.34            | 17.37            | 18.50   |
|           |            | 36      | 39        | 17.35            | 17.34            | 17.26            | 18.50   |
|           |            | 75      | 0         | 17.32            | 17.20            | 17.30            | 18.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20850 | Channel<br>21100 | Channel<br>21350 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 17.32            | 17.31            | 17.34            | 18.50   |
|           |            | 1       | 50        | 17.29            | 17.26            | 17.30            | 18.50   |
|           |            | 1       | 99        | 17.35            | 17.33            | 17.40            | 18.50   |
|           |            | 50      | 0         | 17.33            | 17.28            | 17.32            | 18.50   |
|           |            | 50      | 25        | 17.32            | 17.26            | 17.33            | 18.50   |
|           |            | 50      | 50        | 17.30            | 17.25            | 17.31            | 18.50   |
|           |            | 100     | 0         | 17.31            | 17.27            | 17.34            | 18.50   |
|           | 16QAM      | 1       | 0         | 17.39            | 17.38            | 17.46            | 18.50   |
|           |            | 1       | 50        | 17.36            | 17.33            | 17.40            | 18.50   |
|           |            | 1       | 99        | 17.42            | 17.39            | 17.47            | 18.50   |
|           |            | 50      | 0         | 17.27            | 17.25            | 17.28            | 18.50   |
|           |            | 50      | 25        | 17.26            | 17.24            | 17.32            | 18.50   |
|           |            | 50      | 50        | 17.31            | 17.26            | 17.34            | 18.50   |
|           |            | 100     | 0         | 17.28            | 17.27            | 17.36            | 18.50   |
|           | 64QAM      | 1       | 0         | 17.38            | 17.34            | 17.37            | 18.50   |
|           |            | 1       | 50        | 17.29            | 17.28            | 17.31            | 18.50   |
|           |            | 1       | 99        | 17.33            | 17.32            | 17.36            | 18.50   |
|           |            | 50      | 0         | 17.31            | 17.28            | 17.32            | 18.50   |
|           |            | 50      | 25        | 17.30            | 17.26            | 17.32            | 18.50   |
|           |            | 50      | 50        | 17.32            | 17.27            | 17.31            | 18.50   |
|           |            | 100     | 0         | 17.30            | 17.25            | 17.30            | 18.50   |

| LTE Band 7 DSI 5 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz             | QPSK       | 1       | 0         | 15.75                | 15.73   | 15.88   | 17.00   |
|                  |            | 1       | 13        | 15.89                | 15.81   | 15.81   | 17.00   |
|                  |            | 1       | 24        | 15.97                | 15.70   | 15.97   | 17.00   |
|                  |            | 12      | 0         | 15.86                | 15.74   | 15.87   | 17.00   |
|                  |            | 12      | 6         | 15.92                | 15.71   | 15.80   | 17.00   |
|                  |            | 12      | 13        | 15.85                | 15.74   | 15.73   | 17.00   |
|                  |            | 25      | 0         | 15.74                | 15.86   | 15.93   | 17.00   |
|                  | 16QAM      | 1       | 0         | 15.99                | 15.89   | 15.94   | 17.00   |
|                  |            | 1       | 13        | 15.96                | 15.80   | 15.92   | 17.00   |
|                  |            | 1       | 24        | 15.80                | 15.90   | 15.93   | 17.00   |
|                  |            | 12      | 0         | 15.79                | 15.70   | 15.85   | 17.00   |
|                  |            | 12      | 6         | 15.88                | 15.81   | 15.73   | 17.00   |
|                  |            | 12      | 13        | 15.88                | 15.80   | 15.87   | 17.00   |
|                  |            | 25      | 0         | 15.88                | 15.76   | 15.92   | 17.00   |
|                  | 64QAM      | 1       | 0         | 15.86                | 15.80   | 15.96   | 17.00   |
|                  |            | 1       | 13        | 15.81                | 15.88   | 15.78   | 17.00   |
|                  |            | 1       | 24        | 15.85                | 15.84   | 15.91   | 17.00   |
|                  |            | 12      | 0         | 15.75                | 15.76   | 15.78   | 17.00   |
|                  |            | 12      | 6         | 15.80                | 15.72   | 15.80   | 17.00   |
|                  |            | 12      | 13        | 15.88                | 15.71   | 15.91   | 17.00   |
|                  |            | 25      | 0         | 15.78                | 15.70   | 15.71   | 17.00   |
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 20800                | 21100   | 21400   |         |
| 10MHz            | QPSK       | 1       | 0         | 15.73                | 15.83   | 15.84   | 17.00   |
|                  |            | 1       | 25        | 15.85                | 15.77   | 15.83   | 17.00   |
|                  |            | 1       | 49        | 15.88                | 15.81   | 15.85   | 17.00   |
|                  |            | 25      | 0         | 15.82                | 15.74   | 15.88   | 17.00   |
|                  |            | 25      | 13        | 15.84                | 15.77   | 15.76   | 17.00   |
|                  |            | 25      | 25        | 15.71                | 15.77   | 15.72   | 17.00   |
|                  |            | 50      | 0         | 15.80                | 15.81   | 15.78   | 17.00   |
|                  | 16QAM      | 1       | 0         | 15.98                | 15.91   | 15.91   | 17.00   |
|                  |            | 1       | 25        | 15.82                | 15.88   | 15.81   | 17.00   |
|                  |            | 1       | 49        | 15.89                | 15.91   | 15.95   | 17.00   |
|                  |            | 25      | 0         | 15.70                | 15.81   | 15.86   | 17.00   |
|                  |            | 25      | 13        | 15.87                | 15.84   | 15.71   | 17.00   |
|                  |            | 25      | 25        | 15.81                | 15.73   | 15.76   | 17.00   |
|                  |            | 50      | 0         | 15.76                | 15.78   | 15.94   | 17.00   |
|                  | 64QAM      | 1       | 0         | 15.89                | 15.82   | 15.95   | 17.00   |
|                  |            | 1       | 25        | 15.83                | 15.86   | 15.81   | 17.00   |
|                  |            | 1       | 49        | 15.81                | 15.76   | 15.88   | 17.00   |
|                  |            | 25      | 0         | 15.71                | 15.78   | 15.72   | 17.00   |
|                  |            | 25      | 13        | 15.87                | 15.69   | 15.80   | 17.00   |
|                  |            | 25      | 25        | 15.90                | 15.83   | 15.81   | 17.00   |
|                  |            | 50      | 0         | 15.74                | 15.62   | 15.78   | 17.00   |
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |

|           |            |         |           | 20825            | 21100            | 21375            |         |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
| 15MHz     | QPSK       | 1       | 0         | 15.80            | 15.74            | 15.78            | 17.00   |
|           |            | 1       | 38        | 15.79            | 15.79            | 15.81            | 17.00   |
|           |            | 1       | 74        | 15.96            | 15.74            | 15.88            | 17.00   |
|           |            | 36      | 0         | 15.89            | 15.67            | 15.86            | 17.00   |
|           |            | 36      | 18        | 15.87            | 15.84            | 15.84            | 17.00   |
|           |            | 36      | 39        | 15.76            | 15.85            | 15.69            | 17.00   |
|           |            | 75      | 0         | 15.81            | 15.85            | 15.89            | 17.00   |
|           | 16QAM      | 1       | 0         | 15.89            | 15.87            | 15.99            | 17.00   |
|           |            | 1       | 38        | 15.94            | 15.78            | 15.97            | 17.00   |
|           |            | 1       | 74        | 15.78            | 15.92            | 16.00            | 17.00   |
|           |            | 36      | 0         | 15.84            | 15.70            | 15.91            | 17.00   |
|           |            | 36      | 18        | 15.74            | 15.73            | 15.76            | 17.00   |
|           |            | 36      | 39        | 15.92            | 15.85            | 15.83            | 17.00   |
|           |            | 75      | 0         | 15.83            | 15.83            | 15.85            | 17.00   |
|           | 64QAM      | 1       | 0         | 15.95            | 15.85            | 15.87            | 17.00   |
|           |            | 1       | 38        | 15.84            | 15.75            | 15.68            | 17.00   |
|           |            | 1       | 74        | 15.83            | 15.77            | 15.95            | 17.00   |
|           |            | 36      | 0         | 15.85            | 15.83            | 15.80            | 17.00   |
|           |            | 36      | 18        | 15.86            | 15.78            | 15.75            | 17.00   |
|           |            | 36      | 39        | 15.94            | 15.79            | 15.79            | 17.00   |
|           |            | 75      | 0         | 15.79            | 15.67            | 15.76            | 17.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20850 | Channel<br>21100 | Channel<br>21350 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 15.80            | 15.81            | 15.83            | 17.00   |
|           |            | 1       | 50        | 15.84            | 15.82            | 15.83            | 17.00   |
|           |            | 1       | 99        | 15.89            | 15.78            | 15.91            | 17.00   |
|           |            | 50      | 0         | 15.86            | 15.74            | 15.81            | 17.00   |
|           |            | 50      | 25        | 15.88            | 15.77            | 15.83            | 17.00   |
|           |            | 50      | 50        | 15.79            | 15.77            | 15.76            | 17.00   |
|           |            | 100     | 0         | 15.81            | 15.80            | 15.85            | 17.00   |
|           | 16QAM      | 1       | 0         | 15.91            | 15.89            | 15.94            | 17.00   |
|           |            | 1       | 50        | 15.88            | 15.86            | 15.89            | 17.00   |
|           |            | 1       | 99        | 15.86            | 15.91            | 15.98            | 17.00   |
|           |            | 50      | 0         | 15.77            | 15.73            | 15.83            | 17.00   |
|           |            | 50      | 25        | 15.82            | 15.78            | 15.77            | 17.00   |
|           |            | 50      | 50        | 15.84            | 15.79            | 15.83            | 17.00   |
|           |            | 100     | 0         | 15.81            | 15.83            | 15.90            | 17.00   |
|           | 64QAM      | 1       | 0         | 15.88            | 15.81            | 15.90            | 17.00   |
|           |            | 1       | 50        | 15.82            | 15.82            | 15.75            | 17.00   |
|           |            | 1       | 99        | 15.82            | 15.78            | 15.87            | 17.00   |
|           |            | 50      | 0         | 15.79            | 15.76            | 15.77            | 17.00   |
|           |            | 50      | 25        | 15.79            | 15.71            | 15.76            | 17.00   |
|           |            | 50      | 50        | 15.86            | 15.75            | 15.87            | 17.00   |
|           |            | 100     | 0         | 15.79            | 15.69            | 15.77            | 17.00   |

| LTE Band 7 DSI 8 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz             | QPSK       | 1       | 0         | 14.30                | 14.24   | 14.29   | 15.50   |
|                  |            | 1       | 13        | 14.22                | 14.43   | 14.34   | 15.50   |
|                  |            | 1       | 24        | 14.46                | 14.32   | 14.46   | 15.50   |
|                  |            | 12      | 0         | 14.35                | 14.21   | 14.26   | 15.50   |
|                  |            | 12      | 6         | 14.49                | 14.26   | 14.31   | 15.50   |
|                  |            | 12      | 13        | 14.34                | 14.28   | 14.29   | 15.50   |
|                  |            | 25      | 0         | 14.28                | 14.35   | 14.23   | 15.50   |
|                  | 16QAM      | 1       | 0         | 14.42                | 14.30   | 14.49   | 15.50   |
|                  |            | 1       | 13        | 14.33                | 14.34   | 14.47   | 15.50   |
|                  |            | 1       | 24        | 14.30                | 14.28   | 14.48   | 15.50   |
|                  |            | 12      | 0         | 14.31                | 14.31   | 14.22   | 15.50   |
|                  |            | 12      | 6         | 14.27                | 14.34   | 14.34   | 15.50   |
|                  |            | 12      | 13        | 14.30                | 14.22   | 14.35   | 15.50   |
|                  |            | 25      | 0         | 14.25                | 14.44   | 14.44   | 15.50   |
|                  | 64QAM      | 1       | 0         | 14.29                | 14.29   | 14.32   | 15.50   |
|                  |            | 1       | 13        | 14.25                | 14.38   | 14.19   | 15.50   |
|                  |            | 1       | 24        | 14.26                | 14.33   | 14.27   | 15.50   |
|                  |            | 12      | 0         | 14.27                | 14.20   | 14.33   | 15.50   |
|                  |            | 12      | 6         | 14.34                | 14.28   | 14.17   | 15.50   |
|                  |            | 12      | 13        | 14.34                | 14.36   | 14.46   | 15.50   |
|                  |            | 25      | 0         | 14.32                | 14.19   | 14.27   | 15.50   |
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 20800                | 21100   | 21400   |         |
| 10MHz            | QPSK       | 1       | 0         | 14.25                | 14.22   | 14.34   | 15.50   |
|                  |            | 1       | 25        | 14.25                | 14.28   | 14.28   | 15.50   |
|                  |            | 1       | 49        | 14.40                | 14.33   | 14.42   | 15.50   |
|                  |            | 25      | 0         | 14.25                | 14.33   | 14.36   | 15.50   |
|                  |            | 25      | 13        | 14.48                | 14.25   | 14.33   | 15.50   |
|                  |            | 25      | 25        | 14.24                | 14.17   | 14.29   | 15.50   |
|                  |            | 50      | 0         | 14.23                | 14.30   | 14.34   | 15.50   |
|                  | 16QAM      | 1       | 0         | 14.45                | 14.37   | 14.36   | 15.50   |
|                  |            | 1       | 25        | 14.32                | 14.28   | 14.40   | 15.50   |
|                  |            | 1       | 49        | 14.28                | 14.32   | 14.37   | 15.50   |
|                  |            | 25      | 0         | 14.30                | 14.35   | 14.35   | 15.50   |
|                  |            | 25      | 13        | 14.21                | 14.37   | 14.33   | 15.50   |
|                  |            | 25      | 25        | 14.29                | 14.24   | 14.33   | 15.50   |
|                  |            | 50      | 0         | 14.26                | 14.37   | 14.42   | 15.50   |
|                  | 64QAM      | 1       | 0         | 14.42                | 14.33   | 14.46   | 15.50   |
|                  |            | 1       | 25        | 14.36                | 14.33   | 14.24   | 15.50   |
|                  |            | 1       | 49        | 14.33                | 14.23   | 14.34   | 15.50   |
|                  |            | 25      | 0         | 14.33                | 14.32   | 14.41   | 15.50   |
|                  |            | 25      | 13        | 14.36                | 14.27   | 14.23   | 15.50   |
|                  |            | 25      | 25        | 14.33                | 14.23   | 14.41   | 15.50   |
|                  |            | 50      | 0         | 14.26                | 14.30   | 14.24   | 15.50   |
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |