

## APPENDIX E. CONDUCTED POWER MEASUREMENTS RESULTS

### 1. Conducted power measurement results of GSM850

Ant 0 Receiver on

| GSM850              |           | Max Burst Average Power (dBm) |                        |           |           | Max Frame Average Power (dBm) |                        |           |           |
|---------------------|-----------|-------------------------------|------------------------|-----------|-----------|-------------------------------|------------------------|-----------|-----------|
|                     |           | Max.                          | Channel/Frequency(MHz) |           |           | Max.                          | Channel/Frequency(MHz) |           |           |
|                     |           | Tune-up                       | 128/824.2              | 190/836.6 | 251/848.8 | Tune-up                       | 128/824.2              | 190/836.6 | 251/848.8 |
| GSM (CS)            |           | 32.50                         | 32.25                  | 32.19     | 32.34     | 23.31                         | 23.06                  | 23.00     | 23.15     |
| GPRS/EDGE<br>(GMSK) | 1 Tx Slot | 32.50                         | 32.25                  | 32.19     | 32.34     | 23.31                         | 23.06                  | 23.00     | 23.15     |
|                     | 2 Tx Slot | 32.50                         | 31.90                  | 31.40     | 31.94     | 26.37                         | 25.77                  | 25.27     | 25.81     |
|                     | 3 Tx Slot | 32.50                         | 30.99                  | 31.09     | 31.05     | 28.08                         | 26.57                  | 26.67     | 26.63     |
|                     | 4 Tx Slot | 32.00                         | 30.49                  | 30.65     | 30.63     | 28.82                         | 27.31                  | 27.47     | 27.45     |
| EDGE<br>(8PSK)      | 1 Tx Slot | 28.00                         | 26.54                  | 26.71     | 26.88     | 18.81                         | 17.35                  | 17.52     | 17.69     |
|                     | 2 Tx Slot | 28.00                         | 26.23                  | 26.43     | 26.68     | 21.87                         | 20.10                  | 20.30     | 20.55     |
|                     | 3 Tx Slot | 27.50                         | 25.95                  | 26.09     | 26.25     | 23.08                         | 21.53                  | 21.67     | 21.83     |
|                     | 4 Tx Slot | 27.50                         | 25.69                  | 25.73     | 25.97     | 24.32                         | 22.51                  | 22.55     | 22.79     |

Ant 0 Sensor off

| GSM850              |           | Max Burst Average Power (dBm) |                        |           |           | Max Frame Average Power (dBm) |                        |           |           |
|---------------------|-----------|-------------------------------|------------------------|-----------|-----------|-------------------------------|------------------------|-----------|-----------|
|                     |           | Max.                          | Channel/Frequency(MHz) |           |           | Max.                          | Channel/Frequency(MHz) |           |           |
|                     |           | Tune-up                       | 128/824.2              | 190/836.6 | 251/848.8 | Tune-up                       | 128/824.2              | 190/836.6 | 251/848.8 |
| GSM (CS)            |           | 34.00                         | 33.04                  | 33.48     | 32.74     | 24.81                         | 23.85                  | 24.29     | 23.55     |
| GPRS/EDGE<br>(GMSK) | 1 Tx Slot | 34.00                         | 33.04                  | 33.48     | 32.74     | 24.81                         | 23.85                  | 24.29     | 23.55     |
|                     | 2 Tx Slot | 34.00                         | 32.65                  | 33.01     | 32.37     | 27.87                         | 26.52                  | 26.88     | 26.24     |
|                     | 3 Tx Slot | 34.00                         | 32.44                  | 32.38     | 32.41     | 29.58                         | 28.02                  | 27.96     | 27.99     |
|                     | 4 Tx Slot | 33.50                         | 31.85                  | 31.91     | 31.94     | 30.32                         | 28.67                  | 28.73     | 28.76     |
| EDGE<br>(8PSK)      | 1 Tx Slot | 28.00                         | 26.47                  | 26.64     | 26.84     | 18.81                         | 17.28                  | 17.45     | 17.65     |
|                     | 2 Tx Slot | 28.00                         | 26.14                  | 26.37     | 26.61     | 21.87                         | 20.01                  | 20.24     | 20.48     |
|                     | 3 Tx Slot | 27.50                         | 25.89                  | 26.03     | 26.18     | 23.08                         | 21.47                  | 21.61     | 21.76     |
|                     | 4 Tx Slot | 27.00                         | 25.48                  | 25.67     | 25.91     | 23.82                         | 22.30                  | 22.49     | 22.73     |

Ant 0 Hotspot on

| GSM850              |           | Max Burst Average Power (dBm) |                        |              |              | Max Frame Average Power (dBm) |                        |           |           |
|---------------------|-----------|-------------------------------|------------------------|--------------|--------------|-------------------------------|------------------------|-----------|-----------|
|                     |           | Max.<br>Tune-up               | Channel/Frequency(MHz) |              |              | Max.<br>Tune-up               | Channel/Frequency(MHz) |           |           |
|                     |           |                               | 128/824.2              | 190/836.6    | 251/848.8    |                               | 128/824.2              | 190/836.6 | 251/848.8 |
| GSM (CS)            |           | 32.50                         | 32.18                  | 31.76        | 32.47        | 23.31                         | 22.99                  | 22.57     | 23.28     |
| GPRS/EDGE<br>(GMSK) | 1 Tx Slot | 32.50                         | 32.18                  | 31.76        | 32.47        | 23.31                         | 22.99                  | 22.57     | 23.28     |
|                     | 2 Tx Slot | 32.00                         | <b>31.70</b>           | <b>31.39</b> | <b>31.87</b> | <b>25.87</b>                  | 25.57                  | 25.26     | 25.74     |
|                     | 3 Tx Slot | 29.00                         | 27.75                  | 27.95        | 27.99        | 24.58                         | 23.33                  | 23.53     | 23.57     |
|                     | 4 Tx Slot | 28.00                         | 26.95                  | 26.52        | 26.54        | 24.82                         | 23.77                  | 23.34     | 23.36     |
| EDGE<br>(8PSK)      | 1 Tx Slot | 28.00                         | 26.47                  | 26.65        | 26.83        | 18.81                         | 17.28                  | 17.46     | 17.64     |
|                     | 2 Tx Slot | 28.00                         | 26.19                  | 26.39        | 26.64        | 21.87                         | 20.06                  | 20.26     | 20.51     |
|                     | 3 Tx Slot | 27.50                         | 25.92                  | 26.06        | 26.22        | 23.08                         | 21.50                  | 21.64     | 21.80     |
|                     | 4 Tx Slot | 27.50                         | 25.66                  | 25.70        | 25.93        | 24.32                         | 22.48                  | 22.52     | 22.75     |

Note:

- 1) The conducted power of GSM850 is measured with RMS detector.
- 2) Frame-averaged output power was calculated from the measured burst-averaged output power by converting the slot powers into linear units and calculating the energy over 8 time slots.
- 3) The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum burst-averaged power based on time slots. The calculated method is shown as below:  
Frame-averaged power=10 x log (Burst-averaged power mW x Slot used/8)
- 4) The tested channel results are marks in bold.

## 2. Conducted power measurement results of GSM1900

### Ant 1\_Receiver on

| GSM1900             |           | Max Burst Average Power (dBm) |                        |          |            | Max Frame Average Power (dBm) |                        |          |            |
|---------------------|-----------|-------------------------------|------------------------|----------|------------|-------------------------------|------------------------|----------|------------|
|                     |           | Max.                          | Channel/Frequency(MHz) |          |            | Max.                          | Channel/Frequency(MHz) |          |            |
|                     |           | Tune-up                       | 512/1850.2             | 661/1880 | 810/1909.8 | Tune-up                       | 512/1850.2             | 661/1880 | 810/1909.8 |
| GSM (CS)            |           | 31.00                         | 29.86                  | 29.97    | 30.10      | 21.81                         | 20.67                  | 20.78    | 20.91      |
| GPRS/EDGE<br>(GMSK) | 1 Tx Slot | 31.00                         | 29.86                  | 29.97    | 30.10      | 21.81                         | 20.67                  | 20.78    | 20.91      |
|                     | 2 Tx Slot | 31.00                         | 29.00                  | 29.00    | 29.53      | 24.87                         | 22.87                  | 22.87    | 23.40      |
|                     | 3 Tx Slot | 31.00                         | 29.33                  | 29.29    | 29.21      | 26.58                         | 24.91                  | 24.87    | 24.79      |
|                     | 4 Tx Slot | 30.50                         | 29.07                  | 28.99    | 28.94      | 27.32                         | 25.89                  | 25.81    | 25.76      |
| EDGE<br>(8PSK)      | 1 Tx Slot | 27.00                         | 25.53                  | 25.54    | 25.40      | 17.81                         | 16.34                  | 16.35    | 16.21      |
|                     | 2 Tx Slot | 27.00                         | 25.34                  | 25.33    | 25.25      | 20.87                         | 19.21                  | 19.20    | 19.12      |
|                     | 3 Tx Slot | 26.50                         | 25.17                  | 25.10    | 24.95      | 22.08                         | 20.75                  | 20.68    | 20.53      |
|                     | 4 Tx Slot | 26.50                         | 24.88                  | 24.87    | 24.76      | 23.32                         | 21.70                  | 21.69    | 21.58      |

### Ant 1\_Sensor off

| GSM1900             |           | Max Burst Average Power (dBm) |                        |          |            | Max Frame Average Power (dBm) |                        |          |            |
|---------------------|-----------|-------------------------------|------------------------|----------|------------|-------------------------------|------------------------|----------|------------|
|                     |           | Max.                          | Channel/Frequency(MHz) |          |            | Max.                          | Channel/Frequency(MHz) |          |            |
|                     |           | Tune-up                       | 512/1850.2             | 661/1880 | 810/1909.8 | Tune-up                       | 512/1850.2             | 661/1880 | 810/1909.8 |
| GSM (CS)            |           | 31.00                         | 29.86                  | 30.10    | 29.97      | 21.81                         | 20.67                  | 20.91    | 20.78      |
| GPRS/EDGE<br>(GMSK) | 1 Tx Slot | 31.00                         | 29.86                  | 30.10    | 29.97      | 21.81                         | 20.67                  | 20.91    | 20.78      |
|                     | 2 Tx Slot | 30.00                         | 29.41                  | 29.53    | 29.32      | 23.87                         | 23.28                  | 23.40    | 23.19      |
|                     | 3 Tx Slot | 30.00                         | 29.29                  | 29.25    | 29.18      | 25.58                         | 24.87                  | 24.83    | 24.76      |
|                     | 4 Tx Slot | 30.00                         | 29.10                  | 28.98    | 28.91      | 26.82                         | 25.92                  | 25.80    | 25.73      |
| EDGE<br>(8PSK)      | 1 Tx Slot | 27.00                         | 25.73                  | 25.70    | 25.57      | 17.81                         | 16.54                  | 16.51    | 16.38      |
|                     | 2 Tx Slot | 27.00                         | 25.48                  | 25.47    | 25.36      | 20.87                         | 19.35                  | 19.34    | 19.23      |
|                     | 3 Tx Slot | 26.50                         | 25.29                  | 25.26    | 25.11      | 22.08                         | 20.87                  | 20.84    | 20.69      |
|                     | 4 Tx Slot | 26.50                         | 25.15                  | 25.01    | 24.91      | 23.32                         | 21.97                  | 21.83    | 21.73      |

Ant 1 Hotspot on

| GSM1900             |           | Max Burst Average Power (dBm) |                        |              |              | Max Frame Average Power (dBm) |                        |          |            |
|---------------------|-----------|-------------------------------|------------------------|--------------|--------------|-------------------------------|------------------------|----------|------------|
|                     |           | Max.<br>Tune-up               | Channel/Frequency(MHz) |              |              | Max.<br>Tune-up               | Channel/Frequency(MHz) |          |            |
|                     |           |                               | 512/1850.2             | 661/1880     | 810/1909.8   |                               | 512/1850.2             | 661/1880 | 810/1909.8 |
| GSM (CS)            |           | 31.00                         | 30.11                  | 30.22        | 30.35        | 21.81                         | 20.92                  | 21.03    | 21.16      |
| GPRS/EDGE<br>(GMSK) | 1 Tx Slot | 31.00                         | 30.11                  | 30.22        | 30.35        | 21.81                         | 20.92                  | 21.03    | 21.16      |
|                     | 2 Tx Slot | 30.00                         | <b>29.66</b>           | <b>29.57</b> | <b>29.78</b> | <b>23.87</b>                  | 23.53                  | 23.44    | 23.65      |
|                     | 3 Tx Slot | 26.50                         | 25.77                  | 24.99        | 25.05        | 22.08                         | 21.35                  | 20.57    | 20.63      |
|                     | 4 Tx Slot | 25.00                         | 24.17                  | 24.09        | 23.99        | 21.82                         | 20.99                  | 20.91    | 20.81      |
| EDGE<br>(8PSK)      | 1 Tx Slot | 27.00                         | 25.57                  | 25.55        | 25.41        | 17.81                         | 16.38                  | 16.36    | 16.22      |
|                     | 2 Tx Slot | 27.00                         | 25.37                  | 25.35        | 25.27        | 20.87                         | 19.24                  | 19.22    | 19.14      |
|                     | 3 Tx Slot | 26.50                         | 25.20                  | 25.13        | 24.97        | 22.08                         | 20.78                  | 20.71    | 20.55      |
|                     | 4 Tx Slot | 26.50                         | 24.93                  | 24.88        | 24.79        | 23.32                         | 21.75                  | 21.70    | 21.61      |

Note:

- 1) The conducted power of GSM1900 is measured with RMS detector.
- 2) Frame-averaged output power was calculated from the measured burst-averaged output power by converting the slot powers into linear units and calculating the energy over 8 time slots.
- 3) The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum burst-averaged power based on time slots. The calculated method is shown as below:  
Frame-averaged power=10 x log (Burst-averaged power mW x Slot used/8)
- 4) The tested channel results are marks in bold.

### 3. Conducted power measurement results of UMTS B2

Ant 1\_Receiver on

| Band               | UMTS B2 Average Conducted Power(dBm) |              |              |              |
|--------------------|--------------------------------------|--------------|--------------|--------------|
| Tx Channel         | Max.                                 | 9262         | 9400         | 9538         |
| Frequency(MHz)     | Tune-up                              | 1852.4       | 1880         | 1907.6       |
| AMR Voice          | 22.00                                | 20.75        | 20.70        | 20.64        |
| RMC 12.2K          | 22.00                                | <b>20.75</b> | <b>20.70</b> | <b>20.64</b> |
| HSDPA Subtest-1    | 20.00                                | 19.61        | 19.65        | 19.53        |
| HSDPA Subtest-2    | 20.00                                | 19.58        | 19.56        | 19.49        |
| HSDPA Subtest-3    | 20.00                                | 19.05        | 19.01        | 18.97        |
| HSDPA Subtest-4    | 20.00                                | 19.05        | 19.03        | 18.96        |
| HSUPA Subtest-1    | 21.00                                | 19.51        | 19.43        | 19.45        |
| HSUPA Subtest-2    | 19.00                                | 17.61        | 17.58        | 17.48        |
| HSUPA Subtest-3    | 20.00                                | 18.53        | 18.48        | 18.41        |
| HSUPA Subtest-4    | 19.00                                | 17.58        | 17.53        | 17.47        |
| HSUPA Subtest-5    | 21.00                                | 19.57        | 19.53        | 19.46        |
| DC-HSDPA Subtest-1 | 20.00                                | 19.61        | 19.65        | 19.53        |
| DC-HSDPA Subtest-2 | 20.00                                | 19.58        | 19.56        | 19.49        |
| DC-HSDPA Subtest-3 | 20.00                                | 19.05        | 19.01        | 18.97        |
| DC-HSDPA Subtest-4 | 20.00                                | 19.05        | 19.03        | 18.96        |

## Ant 1 Sensor off

| Band               | UMTS B2 Average Conducted Power(dBm) |              |              |              |
|--------------------|--------------------------------------|--------------|--------------|--------------|
| Tx Channel         | Max.                                 | 9262         | 9400         | 9538         |
| Frequency(MHz)     | Tune-up                              | 1852.4       | 1880         | 1907.6       |
| AMR Voice          | 25.00                                | 23.39        | 23.40        | 23.30        |
| RMC 12.2K          | 25.00                                | <b>23.39</b> | <b>23.40</b> | <b>23.30</b> |
| HSDPA Subtest-1    | 24.00                                | 22.50        | 22.55        | 22.48        |
| HSDPA Subtest-2    | 24.00                                | 22.50        | 22.53        | 22.49        |
| HSDPA Subtest-3    | 23.50                                | 22.04        | 22.14        | 21.79        |
| HSDPA Subtest-4    | 23.50                                | 22.01        | 21.95        | 21.93        |
| HSUPA Subtest-1    | 24.00                                | 22.47        | 22.31        | 22.24        |
| HSUPA Subtest-2    | 22.00                                | 20.58        | 20.53        | 20.45        |
| HSUPA Subtest-3    | 23.00                                | 21.53        | 21.48        | 21.40        |
| HSUPA Subtest-4    | 22.00                                | 20.55        | 20.51        | 20.45        |
| HSUPA Subtest-5    | 24.00                                | 22.56        | 22.51        | 22.44        |
| DC-HSDPA Subtest-1 | 24.00                                | 22.50        | 22.55        | 22.48        |
| DC-HSDPA Subtest-2 | 24.00                                | 22.50        | 22.53        | 22.49        |
| DC-HSDPA Subtest-3 | 23.50                                | 22.04        | 22.14        | 21.79        |
| DC-HSDPA Subtest-4 | 23.50                                | 22.01        | 21.95        | 21.93        |

Ant 1 Hotspot on

| Band               | UMTS B2 Average Conducted Power(dBm) |              |              |              |
|--------------------|--------------------------------------|--------------|--------------|--------------|
| Tx Channel         | Max.                                 | 9262         | 9400         | 9538         |
| Frequency(MHz)     | Tune-up                              | 1852.4       | 1880         | 1907.6       |
| AMR Voice          | 23.00                                | 21.75        | 21.76        | 21.72        |
| RMC 12.2K          | 23.00                                | <b>21.75</b> | <b>21.76</b> | <b>21.72</b> |
| HSDPA Subtest-1    | 21.50                                | 20.57        | 20.56        | 20.48        |
| HSDPA Subtest-2    | 21.50                                | 20.60        | 20.55        | 20.50        |
| HSDPA Subtest-3    | 21.50                                | 20.05        | 20.08        | 20.00        |
| HSDPA Subtest-4    | 21.50                                | 20.10        | 20.07        | 19.99        |
| HSUPA Subtest-1    | 22.00                                | 20.56        | 20.46        | 20.44        |
| HSUPA Subtest-2    | 20.00                                | 18.60        | 18.53        | 18.48        |
| HSUPA Subtest-3    | 21.00                                | 19.59        | 19.54        | 19.44        |
| HSUPA Subtest-4    | 20.00                                | 18.56        | 18.53        | 18.44        |
| HSUPA Subtest-5    | 22.00                                | 20.57        | 20.53        | 20.45        |
| DC-HSDPA Subtest-1 | 21.50                                | 20.57        | 20.56        | 20.48        |
| DC-HSDPA Subtest-2 | 21.50                                | 20.60        | 20.55        | 20.50        |
| DC-HSDPA Subtest-3 | 21.50                                | 20.05        | 20.08        | 20.00        |
| DC-HSDPA Subtest-4 | 21.50                                | 20.10        | 20.07        | 19.99        |

Note:

- 1) The conducted power of UMTS B2 is measured with RMS detector.
- 2) Note: Per KDB941225 D01, When the maximum output power and tune-up tolerance specified for production units in a secondary mode is  $\leq \frac{1}{4}$  dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is  $\leq 1.2$  W/kg, SAR measurement is not required for the secondary mode.
- 3) The tested channel results are marks in bold.
- 4) The power of single channel and double channel is smaller than RMC12.2K, so SAR need not be tested.

#### 4. Conducted power measurement results of UMTS B4

Ant 1\_Receiver on

| Band               | UMTS B4 Average Conducted Power(dBm) |              |              |              |
|--------------------|--------------------------------------|--------------|--------------|--------------|
| Tx Channel         | Max.                                 | 1312         | 1413         | 1513         |
| Frequency(MHz)     | Tune-up                              | 1712.4       | 1732.6       | 1752.6       |
| AMR Voice          | 22.50                                | 21.37        | 21.33        | 21.28        |
| RMC 12.2K          | 22.50                                | <b>21.37</b> | <b>21.33</b> | <b>21.28</b> |
| HSDPA Subtest-1    | 21.50                                | 20.24        | 20.13        | 20.10        |
| HSDPA Subtest-2    | 21.50                                | 20.13        | 20.08        | 20.03        |
| HSDPA Subtest-3    | 21.50                                | 19.66        | 19.59        | 19.58        |
| HSDPA Subtest-4    | 21.50                                | 19.63        | 19.51        | 19.56        |
| HSUPA Subtest-1    | 21.50                                | 20.14        | 20.05        | 19.97        |
| HSUPA Subtest-2    | 20.00                                | 18.23        | 18.13        | 18.08        |
| HSUPA Subtest-3    | 20.50                                | 19.11        | 19.06        | 18.99        |
| HSUPA Subtest-4    | 19.50                                | 18.15        | 18.09        | 18.04        |
| HSUPA Subtest-5    | 21.50                                | 20.13        | 20.10        | 20.03        |
| DC-HSDPA Subtest-1 | 21.50                                | 20.24        | 20.13        | 20.10        |
| DC-HSDPA Subtest-2 | 21.50                                | 20.13        | 20.08        | 20.03        |
| DC-HSDPA Subtest-3 | 21.50                                | 19.66        | 19.59        | 19.58        |
| DC-HSDPA Subtest-4 | 21.50                                | 19.63        | 19.51        | 19.56        |

## Ant 1 Sensor off

| Band               | UMTS B4 Average Conducted Power(dBm) |              |              |              |
|--------------------|--------------------------------------|--------------|--------------|--------------|
| Tx Channel         | Max.                                 | 1312         | 1413         | 1513         |
| Frequency(MHz)     | Tune-up                              | 1712.4       | 1732.6       | 1752.6       |
| AMR Voice          | 25.00                                | 23.41        | 23.44        | 23.34        |
| RMC 12.2K          | 25.00                                | <b>23.41</b> | <b>23.44</b> | <b>23.34</b> |
| HSDPA Subtest-1    | 24.00                                | 22.61        | 22.59        | 22.54        |
| HSDPA Subtest-2    | 24.00                                | 22.60        | 22.61        | 22.53        |
| HSDPA Subtest-3    | 23.50                                | 22.08        | 22.06        | 22.01        |
| HSDPA Subtest-4    | 23.50                                | 22.10        | 22.09        | 22.03        |
| HSUPA Subtest-1    | 24.00                                | 22.55        | 22.43        | 22.48        |
| HSUPA Subtest-2    | 22.00                                | 20.63        | 20.58        | 20.49        |
| HSUPA Subtest-3    | 23.00                                | 21.64        | 21.53        | 21.51        |
| HSUPA Subtest-4    | 22.00                                | 20.59        | 20.57        | 20.51        |
| HSUPA Subtest-5    | 24.00                                | 22.64        | 22.59        | 22.53        |
| DC-HSDPA Subtest-1 | 24.00                                | 22.61        | 22.59        | 22.54        |
| DC-HSDPA Subtest-2 | 24.00                                | 22.60        | 22.61        | 22.53        |
| DC-HSDPA Subtest-3 | 23.50                                | 22.08        | 22.06        | 22.01        |
| DC-HSDPA Subtest-4 | 23.50                                | 22.10        | 22.09        | 22.03        |

Ant 1 Hotspot on

| Band               | UMTS B4 Average Conducted Power(dBm) |              |              |              |
|--------------------|--------------------------------------|--------------|--------------|--------------|
| Tx Channel         | Max.                                 | 1312         | 1413         | 1513         |
| Frequency(MHz)     | Tune-up                              | 1712.4       | 1732.6       | 1752.6       |
| AMR Voice          | 23.50                                | 21.92        | 21.97        | 21.87        |
| RMC 12.2K          | 23.50                                | <b>21.92</b> | <b>21.97</b> | <b>21.87</b> |
| HSDPA Subtest-1    | 22.50                                | 21.16        | 21.05        | 21.04        |
| HSDPA Subtest-2    | 22.50                                | 21.19        | 21.09        | 21.05        |
| HSDPA Subtest-3    | 22.50                                | 20.61        | 20.64        | 20.54        |
| HSDPA Subtest-4    | 22.50                                | 20.59        | 20.55        | 20.53        |
| HSUPA Subtest-1    | 23.00                                | 21.10        | 21.05        | 21.03        |
| HSUPA Subtest-2    | 21.00                                | 19.19        | 19.15        | 19.07        |
| HSUPA Subtest-3    | 22.00                                | 20.18        | 20.09        | 20.05        |
| HSUPA Subtest-4    | 21.00                                | 19.14        | 19.10        | 19.03        |
| HSUPA Subtest-5    | 23.00                                | 21.14        | 21.11        | 21.04        |
| DC-HSDPA Subtest-1 | 22.50                                | 21.16        | 21.05        | 21.04        |
| DC-HSDPA Subtest-2 | 22.50                                | 21.19        | 21.09        | 21.05        |
| DC-HSDPA Subtest-3 | 22.50                                | 20.61        | 20.64        | 20.54        |
| DC-HSDPA Subtest-4 | 22.50                                | 20.59        | 20.55        | 20.53        |

Note:

- 1) The conducted power of UMTS B4 is measured with RMS detector.
- 2) Note: Per KDB941225 D01, When the maximum output power and tune-up tolerance specified for production units in a secondary mode is  $\leq \frac{1}{4}$  dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is  $\leq 1.2$  W/kg, SAR measurement is not required for the secondary mode.
- 3) The tested channel results are marks in bold.
- 4) The power of single channel and double channel is smaller than RMC12.2K, so SAR need not be tested.

## 5. Conducted power measurement results of UMTS B5

Ant 0\_Receiver on

| Band               | UMTS B5 Average Conducted Power(dBm) |              |              |              |
|--------------------|--------------------------------------|--------------|--------------|--------------|
| Tx Channel         | Max.                                 | 4132         | 4182         | 4233         |
| Frequency(MHz)     | Tune-up                              | 826.4        | 836.4        | 846.6        |
| AMR Voice          | 24.50                                | 23.33        | 23.26        | 23.11        |
| RMC 12.2K          | 24.50                                | <b>23.33</b> | <b>23.26</b> | <b>23.11</b> |
| HSDPA Subtest-1    | 23.00                                | 22.42        | 22.35        | 22.15        |
| HSDPA Subtest-2    | 23.00                                | 22.45        | 22.32        | 22.18        |
| HSDPA Subtest-3    | 23.00                                | 21.89        | 21.84        | 21.70        |
| HSDPA Subtest-4    | 23.00                                | 21.95        | 21.81        | 21.68        |
| HSUPA Subtest-1    | 23.50                                | 22.32        | 22.18        | 22.08        |
| HSUPA Subtest-2    | 21.50                                | 20.41        | 20.33        | 20.20        |
| HSUPA Subtest-3    | 23.00                                | 21.41        | 21.32        | 21.17        |
| HSUPA Subtest-4    | 22.00                                | 20.42        | 20.32        | 20.19        |
| HSUPA Subtest-5    | 24.00                                | 22.42        | 22.34        | 22.20        |
| DC-HSDPA Subtest-1 | 23.00                                | 22.42        | 22.35        | 22.15        |
| DC-HSDPA Subtest-2 | 23.00                                | 22.45        | 22.32        | 22.18        |
| DC-HSDPA Subtest-3 | 23.00                                | 21.89        | 21.84        | 21.70        |
| DC-HSDPA Subtest-4 | 23.00                                | 21.95        | 21.81        | 21.68        |

Ant 0 Sensor off

| Band               | UMTS B5 Average Conducted Power(dBm) |              |              |              |
|--------------------|--------------------------------------|--------------|--------------|--------------|
| Tx Channel         | Max.                                 | 4132         | 4182         | 4233         |
| Frequency(MHz)     | Tune-up                              | 826.4        | 836.4        | 846.6        |
| AMR Voice          | 25.00                                | 23.84        | 23.76        | 23.61        |
| RMC 12.2K          | 25.00                                | <b>23.84</b> | <b>23.76</b> | <b>23.61</b> |
| HSDPA Subtest-1    | 24.00                                | 22.93        | 22.87        | 22.71        |
| HSDPA Subtest-2    | 24.00                                | 22.94        | 22.80        | 22.70        |
| HSDPA Subtest-3    | 23.50                                | 22.45        | 22.31        | 22.23        |
| HSDPA Subtest-4    | 23.50                                | 22.45        | 22.35        | 22.21        |
| HSUPA Subtest-1    | 24.00                                | 22.69        | 22.61        | 22.51        |
| HSUPA Subtest-2    | 22.00                                | 20.89        | 20.83        | 20.68        |
| HSUPA Subtest-3    | 23.00                                | 21.83        | 21.79        | 21.62        |
| HSUPA Subtest-4    | 22.00                                | 20.71        | 20.81        | 20.69        |
| HSUPA Subtest-5    | 24.00                                | 22.92        | 22.84        | 22.70        |
| DC-HSDPA Subtest-1 | 24.00                                | 22.93        | 22.87        | 22.71        |
| DC-HSDPA Subtest-2 | 24.00                                | 22.94        | 22.80        | 22.70        |
| DC-HSDPA Subtest-3 | 23.50                                | 22.45        | 22.31        | 22.23        |
| DC-HSDPA Subtest-4 | 23.50                                | 22.45        | 22.35        | 22.21        |

Ant 0 Hotspot on

| Band               | UMTS B5 Average Conducted Power(dBm) |              |              |              |
|--------------------|--------------------------------------|--------------|--------------|--------------|
| Tx Channel         | Max.                                 | 4132         | 4182         | 4233         |
| Frequency(MHz)     | Tune-up                              | 826.4        | 836.4        | 846.6        |
| AMR Voice          | 25.00                                | 23.84        | 23.76        | 23.61        |
| RMC 12.2K          | 25.00                                | <b>23.84</b> | <b>23.76</b> | <b>23.61</b> |
| HSDPA Subtest-1    | 24.00                                | 22.93        | 22.87        | 22.71        |
| HSDPA Subtest-2    | 24.00                                | 22.94        | 22.80        | 22.70        |
| HSDPA Subtest-3    | 24.00                                | 22.45        | 22.31        | 22.23        |
| HSDPA Subtest-4    | 24.00                                | 22.45        | 22.35        | 22.21        |
| HSUPA Subtest-1    | 24.00                                | 22.69        | 22.53        | 22.53        |
| HSUPA Subtest-2    | 22.00                                | 20.93        | 20.82        | 20.69        |
| HSUPA Subtest-3    | 23.00                                | 21.87        | 21.78        | 21.65        |
| HSUPA Subtest-4    | 22.00                                | 20.91        | 20.84        | 20.70        |
| HSUPA Subtest-5    | 24.00                                | 22.93        | 22.85        | 22.69        |
| DC-HSDPA Subtest-1 | 24.00                                | 22.93        | 22.87        | 22.71        |
| DC-HSDPA Subtest-2 | 24.00                                | 22.94        | 22.80        | 22.70        |
| DC-HSDPA Subtest-3 | 24.00                                | 22.45        | 22.31        | 22.23        |
| DC-HSDPA Subtest-4 | 24.00                                | 22.45        | 22.35        | 22.21        |

Note:

- 1) The conducted power of UMTS B5 is measured with RMS detector.
- 2) Note: Per KDB941225 D01, When the maximum output power and tune-up tolerance specified for production units in a secondary mode is  $\leq \frac{1}{4}$  dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is  $\leq 1.2$  W/kg, SAR measurement is not required for the secondary mode.
- 3) The tested channel results are marks in bold.
- 4) The power of single channel and double channel is smaller than RMC12.2K, so SAR need not be tested.

## 6. Conducted power measurement results of LTE B2

Ant 1\_Receiver on

| LTE B2/BW=1.4M |                | Average Conducted Power(dBm) |                        |            |              | LTE B2/BW=3M |                | Average Conducted Power(dBm) |                        |            |              |
|----------------|----------------|------------------------------|------------------------|------------|--------------|--------------|----------------|------------------------------|------------------------|------------|--------------|
| Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation   | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              |
|                |                |                              | 18607/1850.7           | 18900/1880 | 19193/1909.3 |              |                |                              | 18615/1851.5           | 18900/1880 | 19185/1908.5 |
| QPSK           | 1/0            | 22.50                        | 21.73                  | 21.62      | 21.68        | QPSK         | 1/0            | 22.50                        | 21.86                  | 21.76      | 21.70        |
|                | 1/2            | 22.50                        | 21.68                  | 21.64      | 21.68        |              | 1/7            | 22.50                        | 21.87                  | 21.79      | 21.68        |
|                | 1/5            | 22.50                        | 21.72                  | 21.64      | 21.72        |              | 1/14           | 22.50                        | 21.84                  | 21.74      | 21.67        |
|                | 3/0            | 22.50                        | 21.47                  | 21.48      | 21.43        |              | 8/0            | 22.50                        | 21.52                  | 21.43      | 21.50        |
|                | 3/1            | 22.50                        | 21.48                  | 21.49      | 21.45        |              | 8/3            | 22.50                        | 21.51                  | 21.57      | 21.53        |
|                | 3/3            | 22.50                        | 21.48                  | 21.49      | 21.45        |              | 8/7            | 22.50                        | 21.50                  | 21.51      | 21.51        |
|                | 6/0            | 22.50                        | 21.51                  | 21.52      | 21.46        |              | 15/0           | 22.50                        | 21.47                  | 21.44      | 21.48        |
| 16QAM          | 1/0            | 22.50                        | 21.54                  | 21.50      | 21.42        | 16QAM        | 1/0            | 22.50                        | 21.51                  | 21.47      | 21.45        |
|                | 1/2            | 22.50                        | 21.53                  | 21.49      | 21.47        |              | 1/7            | 22.50                        | 21.52                  | 21.56      | 21.52        |
|                | 1/5            | 22.50                        | 21.53                  | 21.47      | 21.41        |              | 1/14           | 22.50                        | 21.46                  | 21.49      | 21.44        |
|                | 3/0            | 22.50                        | 21.54                  | 21.55      | 21.50        |              | 8/0            | 21.50                        | 20.99                  | 20.96      | 20.97        |
|                | 3/1            | 22.50                        | 21.56                  | 21.57      | 21.53        |              | 8/3            | 21.50                        | 21.04                  | 21.07      | 21.00        |
|                | 3/3            | 22.50                        | 21.55                  | 21.57      | 21.53        |              | 8/7            | 21.50                        | 21.01                  | 21.07      | 20.99        |
|                | 6/0            | 21.50                        | 21.03                  | 21.02      | 20.95        |              | 15/0           | 21.50                        | 20.99                  | 20.99      | 20.96        |
| 64QAM          | 1/0            | 21.50                        | 20.63                  | 20.61      | 20.58        | 64QAM        | 1/0            | 21.50                        | 20.02                  | 19.83      | 19.99        |
|                | 1/2            | 21.50                        | 20.46                  | 20.52      | 20.43        |              | 1/7            | 21.50                        | 19.69                  | 19.58      | 19.53        |
|                | 1/5            | 21.50                        | 20.38                  | 20.39      | 20.41        |              | 1/14           | 21.50                        | 20.20                  | 20.24      | 20.25        |
|                | 3/0            | 21.50                        | 20.43                  | 20.48      | 20.46        |              | 8/0            | 20.50                        | 19.09                  | 19.11      | 18.96        |
|                | 3/1            | 21.50                        | 20.44                  | 20.31      | 20.60        |              | 8/3            | 20.50                        | 19.06                  | 19.09      | 19.13        |
|                | 3/3            | 21.50                        | 20.49                  | 20.44      | 20.43        |              | 8/7            | 20.50                        | 19.09                  | 19.16      | 19.28        |
|                | 6/0            | 20.50                        | 19.84                  | 19.91      | 20.09        |              | 15/0           | 20.50                        | 19.27                  | 19.00      | 19.01        |
| 256AM          | 1/0            | 20.50                        | 18.83                  | 19.11      | 19.02        | 256AM        | 1/0            | 20.50                        | 19.31                  | 18.92      | 18.82        |
|                | 1/2            | 20.50                        | 18.96                  | 19.08      | 18.88        |              | 1/7            | 20.50                        | 18.68                  | 18.93      | 18.86        |
|                | 1/5            | 20.50                        | 18.69                  | 18.65      | 18.58        |              | 1/14           | 20.50                        | 18.89                  | 18.87      | 18.85        |
|                | 3/0            | 20.50                        | 18.95                  | 18.86      | 18.73        |              | 8/0            | 19.50                        | 17.88                  | 17.98      | 18.06        |
|                | 3/1            | 20.50                        | 18.50                  | 18.60      | 18.54        |              | 8/3            | 19.50                        | 18.09                  | 17.95      | 18.02        |
|                | 3/3            | 20.50                        | 18.51                  | 18.73      | 18.72        |              | 8/7            | 19.50                        | 18.28                  | 18.12      | 18.22        |
|                | 6/0            | 19.50                        | 17.85                  | 17.94      | 17.63        |              | 15/0           | 19.50                        | 17.87                  | 17.53      | 17.75        |

| LTE B2/BW=5M |                | Average Conducted Power(dBm) |                        |            |              | LTE B2/BW=10M |                | Average Conducted Power(dBm) |                        |            |            |
|--------------|----------------|------------------------------|------------------------|------------|--------------|---------------|----------------|------------------------------|------------------------|------------|------------|
| Modulation   | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |            |
|              |                |                              | 18625/1852.5           | 18900/1880 | 19175/1907.5 |               |                |                              | 18650/1855             | 18900/1880 | 19150/1905 |
| QPSK         | 1/0            | 22.50                        | 21.57                  | 21.74      | 21.68        | QPSK          | 1/0            | 22.50                        | 21.70                  | 21.74      | 21.65      |
|              | 1/12           | 22.50                        | 21.66                  | 20.85      | 21.63        |               | 1/24           | 22.50                        | 21.78                  | 21.81      | 21.66      |
|              | 1/24           | 22.50                        | 21.57                  | 21.58      | 21.50        |               | 1/49           | 22.50                        | 21.67                  | 21.72      | 21.63      |
|              | 12/0           | 22.50                        | 21.27                  | 21.31      | 21.28        |               | 25/0           | 22.50                        | 21.49                  | 21.44      | 21.44      |
|              | 12/6           | 22.50                        | 21.34                  | 21.30      | 21.40        |               | 25/12          | 22.50                        | 21.51                  | 21.46      | 21.45      |
|              | 12/13          | 22.50                        | 21.37                  | 21.34      | 21.36        |               | 25/25          | 22.50                        | 21.48                  | 21.50      | 21.48      |
|              | 25/0           | 22.50                        | 21.35                  | 21.31      | 21.37        |               | 50/0           | 22.50                        | 21.48                  | 21.44      | 21.44      |
| 16QAM        | 1/0            | 22.50                        | 21.24                  | 21.39      | 21.29        | 16QAM         | 1/0            | 22.50                        | 21.46                  | 21.48      | 21.54      |
|              | 1/12           | 22.50                        | 21.25                  | 21.37      | 21.30        |               | 1/24           | 22.50                        | 21.49                  | 21.55      | 21.52      |
|              | 1/24           | 22.50                        | 21.23                  | 21.30      | 21.21        |               | 1/49           | 22.50                        | 21.44                  | 21.50      | 21.49      |
|              | 12/0           | 21.50                        | 20.73                  | 20.80      | 20.78        |               | 25/0           | 21.50                        | 20.93                  | 20.95      | 20.95      |
|              | 12/6           | 21.50                        | 20.87                  | 20.81      | 20.90        |               | 25/12          | 21.50                        | 21.01                  | 20.95      | 20.96      |
|              | 12/13          | 21.50                        | 20.85                  | 20.84      | 20.84        |               | 25/25          | 21.50                        | 20.98                  | 21.02      | 21.01      |
|              | 25/0           | 21.50                        | 20.83                  | 20.77      | 20.86        |               | 50/0           | 21.50                        | 20.98                  | 20.92      | 20.87      |
| 64QAM        | 1/0            | 21.50                        | 20.06                  | 20.10      | 19.82        | 64QAM         | 1/0            | 21.50                        | 20.28                  | 20.48      | 20.42      |
|              | 1/12           | 21.50                        | 20.04                  | 19.99      | 19.95        |               | 1/24           | 21.50                        | 20.22                  | 20.23      | 20.20      |
|              | 1/24           | 21.50                        | 19.83                  | 19.62      | 19.71        |               | 1/49           | 21.50                        | 19.61                  | 19.85      | 19.71      |
|              | 12/0           | 20.50                        | 18.77                  | 18.92      | 19.01        |               | 25/0           | 20.50                        | 19.06                  | 18.81      | 18.86      |
|              | 12/6           | 20.50                        | 18.92                  | 18.86      | 18.89        |               | 25/12          | 20.50                        | 18.86                  | 18.67      | 19.03      |
|              | 12/13          | 20.50                        | 18.96                  | 18.77      | 18.91        |               | 25/25          | 20.50                        | 19.04                  | 19.02      | 18.98      |
|              | 25/0           | 20.50                        | 18.84                  | 19.04      | 19.03        |               | 50/0           | 20.50                        | 18.85                  | 18.85      | 18.98      |
| 256AM        | 1/0            | 20.50                        | 18.65                  | 18.62      | 18.52        | 256AM         | 1/0            | 20.50                        | 18.74                  | 19.02      | 18.76      |
|              | 1/12           | 20.50                        | 18.82                  | 18.70      | 18.63        |               | 1/24           | 20.50                        | 19.11                  | 18.78      | 19.02      |
|              | 1/24           | 20.50                        | 18.79                  | 18.79      | 18.72        |               | 1/49           | 20.50                        | 18.86                  | 18.81      | 18.74      |
|              | 12/0           | 19.50                        | 17.72                  | 17.92      | 17.85        |               | 25/0           | 19.50                        | 17.87                  | 17.57      | 17.73      |
|              | 12/6           | 19.50                        | 17.69                  | 17.75      | 17.76        |               | 25/12          | 19.50                        | 17.63                  | 17.71      | 17.53      |
|              | 12/13          | 19.50                        | 17.90                  | 17.74      | 17.69        |               | 25/25          | 19.50                        | 17.66                  | 17.72      | 17.89      |
|              | 25/0           | 19.50                        | 17.90                  | 17.67      | 17.67        |               | 50/0           | 19.50                        | 17.69                  | 17.55      | 17.62      |

| LTE B2/BW=15M |                | Average Conducted Power(dBm) |                        |            |              | LTE B2/BW=20M |                | Average Conducted Power(dBm) |                        |              |              |
|---------------|----------------|------------------------------|------------------------|------------|--------------|---------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|               |                |                              | 18675/1857.5           | 18900/1880 | 19125/1902.5 |               |                |                              | 18700/1860             | 18900/1880   | 19100/1900   |
| QPSK          | 1/0            | 22.50                        | 21.67                  | 21.57      | 21.63        | QPSK          | 1/0            | 22.50                        | 21.83                  | <b>21.90</b> | 21.87        |
|               | 1/37           | 22.50                        | 21.67                  | 21.61      | 21.68        |               | 1/50           | 22.50                        | 21.81                  | 21.84        | 21.80        |
|               | 1/74           | 22.50                        | 21.75                  | 21.56      | 21.48        |               | 1/99           | 22.50                        | 21.76                  | 21.89        | 21.79        |
|               | 36/0           | 22.50                        | 21.38                  | 21.24      | 21.35        |               | 50/0           | 22.50                        | 21.49                  | 21.42        | 21.46        |
|               | 36/19          | 22.50                        | 21.39                  | 21.31      | 21.37        |               | 50/25          | 22.50                        | <b>21.51</b>           | <b>21.45</b> | <b>21.52</b> |
|               | 36/39          | 22.50                        | 21.39                  | 21.40      | 21.35        |               | 50/50          | 22.50                        | 21.49                  | 21.50        | 21.51        |
|               | 75/0           | 22.50                        | 21.39                  | 21.35      | 21.32        |               | 100/0          | 22.50                        | 21.45                  | 21.43        | 21.49        |
| 16QAM         | 1/0            | 22.50                        | 21.35                  | 21.31      | 21.26        | 16QAM         | 1/0            | 22.50                        | 21.44                  | 21.43        | 21.43        |
|               | 1/37           | 22.50                        | 21.28                  | 21.32      | 21.27        |               | 1/50           | 22.50                        | 21.55                  | 21.54        | 21.51        |
|               | 1/74           | 22.50                        | 21.38                  | 21.24      | 21.17        |               | 1/99           | 22.50                        | 21.48                  | 21.45        | 21.40        |
|               | 36/0           | 21.50                        | 20.83                  | 20.76      | 20.80        |               | 50/0           | 21.50                        | 21.00                  | 20.96        | 20.99        |
|               | 36/19          | 21.50                        | 20.84                  | 20.82      | 20.86        |               | 50/25          | 21.50                        | 21.04                  | 21.00        | 21.00        |
|               | 36/39          | 21.50                        | 20.85                  | 20.90      | 20.84        |               | 50/50          | 21.50                        | 21.05                  | 21.04        | 20.98        |
|               | 75/0           | 21.50                        | 20.86                  | 20.82      | 20.80        |               | 100/0          | 21.50                        | 20.95                  | 20.92        | 20.97        |
| 64QAM         | 1/0            | 21.50                        | 20.29                  | 20.10      | 19.87        | 64QAM         | 1/0            | 21.50                        | 19.74                  | 19.77        | 19.53        |
|               | 1/37           | 21.50                        | 19.92                  | 19.78      | 19.91        |               | 1/50           | 21.50                        | 20.09                  | 19.89        | 20.10        |
|               | 1/74           | 21.50                        | 20.34                  | 20.12      | 19.97        |               | 1/99           | 21.50                        | 19.95                  | 19.83        | 19.86        |
|               | 36/0           | 20.50                        | 19.19                  | 19.11      | 19.11        |               | 50/0           | 20.50                        | 18.90                  | 18.96        | 18.73        |
|               | 36/19          | 20.50                        | 18.93                  | 18.94      | 19.07        |               | 50/25          | 20.50                        | 18.76                  | 18.82        | 18.79        |
|               | 36/39          | 20.50                        | 19.11                  | 18.90      | 19.03        |               | 50/50          | 20.50                        | 19.02                  | 18.93        | 18.91        |
|               | 75/0           | 20.50                        | 19.07                  | 18.74      | 18.89        |               | 100/0          | 20.50                        | 19.07                  | 18.97        | 19.02        |
| 256AM         | 1/0            | 20.50                        | 18.80                  | 19.06      | 18.64        | 256AM         | 1/0            | 20.50                        | 18.65                  | 18.68        | 18.53        |
|               | 1/37           | 20.50                        | 19.12                  | 19.18      | 18.97        |               | 1/50           | 20.50                        | 18.74                  | 18.76        | 18.66        |
|               | 1/74           | 20.50                        | 18.80                  | 18.81      | 18.79        |               | 1/99           | 20.50                        | 18.83                  | 18.79        | 18.71        |
|               | 36/0           | 19.50                        | 17.64                  | 17.72      | 17.74        |               | 50/0           | 19.50                        | 17.64                  | 17.61        | 17.54        |
|               | 36/19          | 19.50                        | 17.59                  | 17.82      | 17.77        |               | 50/25          | 19.50                        | 17.53                  | 17.53        | 17.83        |
|               | 36/39          | 19.50                        | 17.52                  | 17.75      | 17.71        |               | 50/50          | 19.50                        | 17.74                  | 17.69        | 17.83        |
|               | 75/0           | 19.50                        | 17.52                  | 17.59      | 17.71        |               | 100/0          | 19.50                        | 17.72                  | 17.61        | 17.88        |

## Ant 1 Sensor off

| LTE B2/BW=1.4M |                | Average Conducted Power(dBm) |                        |            |              | LTE B2/BW=3M |                | Average Conducted Power(dBm) |                        |            |              |
|----------------|----------------|------------------------------|------------------------|------------|--------------|--------------|----------------|------------------------------|------------------------|------------|--------------|
| Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation   | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              |
|                |                |                              | 18607/1850.7           | 18900/1880 | 19193/1909.3 |              |                |                              | 18615/1851.5           | 18900/1880 | 19185/1908.5 |
| QPSK           | 1/0            | 24.00                        | 22.55                  | 22.63      | 22.70        | QPSK         | 1/0            | 24.00                        | 22.62                  | 22.63      | 22.67        |
|                | 1/2            | 24.00                        | 22.65                  | 22.71      | 22.63        |              | 1/7            | 24.00                        | 22.68                  | 22.50      | 22.53        |
|                | 1/5            | 24.00                        | 22.61                  | 22.68      | 22.77        |              | 1/14           | 24.00                        | 22.48                  | 22.81      | 22.65        |
|                | 3/0            | 24.00                        | 22.63                  | 22.63      | 22.70        |              | 8/0            | 23.00                        | 21.83                  | 21.95      | 22.01        |
|                | 3/1            | 24.00                        | 22.72                  | 22.65      | 22.78        |              | 8/3            | 23.00                        | 21.87                  | 21.96      | 22.03        |
|                | 3/3            | 24.00                        | 22.58                  | 22.71      | 22.80        |              | 8/7            | 23.00                        | 21.88                  | 22.04      | 21.99        |
|                | 6/0            | 23.00                        | 21.85                  | 21.99      | 21.96        |              | 15/0           | 23.00                        | 21.85                  | 21.94      | 21.97        |
| 16QAM          | 1/0            | 23.00                        | 22.06                  | 22.28      | 22.09        | 16QAM        | 1/0            | 23.00                        | 22.11                  | 22.31      | 22.26        |
|                | 1/2            | 23.00                        | 22.10                  | 22.28      | 22.10        |              | 1/7            | 23.00                        | 22.22                  | 22.34      | 22.31        |
|                | 1/5            | 23.00                        | 22.07                  | 22.22      | 22.11        |              | 1/14           | 23.00                        | 22.10                  | 22.27      | 22.20        |
|                | 3/0            | 23.00                        | 21.98                  | 22.09      | 22.04        |              | 8/0            | 22.00                        | 20.83                  | 21.01      | 20.99        |
|                | 3/1            | 23.00                        | 22.04                  | 22.14      | 22.05        |              | 8/3            | 22.00                        | 20.91                  | 21.00      | 21.09        |
|                | 3/3            | 23.00                        | 21.98                  | 22.07      | 22.03        |              | 8/7            | 22.00                        | 20.84                  | 21.02      | 21.06        |
|                | 6/0            | 22.00                        | 20.88                  | 21.03      | 20.97        |              | 15/0           | 22.00                        | 20.93                  | 20.96      | 21.04        |
| 64QAM          | 1/0            | 22.00                        | 20.78                  | 20.80      | 20.76        | 64QAM        | 1/0            | 22.00                        | 20.88                  | 20.90      | 20.86        |
|                | 1/2            | 22.00                        | 20.81                  | 20.84      | 20.82        |              | 1/7            | 22.00                        | 20.74                  | 20.76      | 20.75        |
|                | 1/5            | 22.00                        | 20.45                  | 20.49      | 20.48        |              | 1/14           | 22.00                        | 20.72                  | 20.75      | 20.71        |
|                | 3/0            | 22.00                        | 20.72                  | 20.77      | 20.75        |              | 8/0            | 21.00                        | 19.62                  | 19.65      | 19.63        |
|                | 3/1            | 22.00                        | 20.73                  | 20.78      | 20.71        |              | 8/3            | 21.00                        | 19.38                  | 19.44      | 19.42        |
|                | 3/3            | 22.00                        | 20.60                  | 20.63      | 20.65        |              | 8/7            | 21.00                        | 19.52                  | 19.70      | 19.65        |
|                | 6/0            | 21.00                        | 19.83                  | 19.82      | 19.85        |              | 15/0           | 21.00                        | 19.46                  | 19.47      | 19.45        |
| 256AM          | 1/0            | 21.00                        | 19.62                  | 19.60      | 19.65        | 256AM        | 1/0            | 21.00                        | 19.62                  | 19.65      | 19.68        |
|                | 1/2            | 21.00                        | 19.43                  | 19.49      | 19.46        |              | 1/7            | 21.00                        | 19.60                  | 19.62      | 19.64        |
|                | 1/5            | 21.00                        | 19.53                  | 19.51      | 19.49        |              | 1/14           | 21.00                        | 19.34                  | 19.33      | 19.36        |
|                | 3/0            | 21.00                        | 19.26                  | 19.28      | 19.23        |              | 8/0            | 20.00                        | 18.38                  | 18.41      | 18.43        |
|                | 3/1            | 21.00                        | 19.43                  | 19.44      | 19.46        |              | 8/3            | 20.00                        | 18.54                  | 18.56      | 18.55        |
|                | 3/3            | 21.00                        | 19.28                  | 19.30      | 19.33        |              | 8/7            | 20.00                        | 18.46                  | 18.44      | 18.47        |
|                | 6/0            | 20.00                        | 18.19                  | 18.22      | 18.23        |              | 15/0           | 20.00                        | 18.33                  | 18.31      | 18.36        |

| LTE B2/BW=5M |                | Average Conducted Power(dBm) |                        |            |              | LTE B2/BW=10M |                | Average Conducted Power(dBm) |                        |            |            |
|--------------|----------------|------------------------------|------------------------|------------|--------------|---------------|----------------|------------------------------|------------------------|------------|------------|
| Modulation   | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |            |
|              |                |                              | 18625/1852.5           | 18900/1880 | 19175/1907.5 |               |                |                              | 18650/1855             | 18900/1880 | 19150/1905 |
| QPSK         | 1/0            | 24.00                        | 22.58                  | 22.62      | 22.69        | QPSK          | 1/0            | 24.00                        | 22.68                  | 22.73      | 22.77      |
|              | 1/12           | 24.00                        | 22.64                  | 22.51      | 22.78        |               | 1/24           | 24.00                        | 22.69                  | 22.65      | 22.75      |
|              | 1/24           | 24.00                        | 22.70                  | 22.58      | 22.82        |               | 1/49           | 24.00                        | 22.56                  | 22.78      | 22.65      |
|              | 12/0           | 23.00                        | 21.89                  | 21.97      | 22.00        |               | 25/0           | 23.00                        | 21.85                  | 21.98      | 21.94      |
|              | 12/6           | 23.00                        | 21.91                  | 22.01      | 22.02        |               | 25/12          | 23.00                        | 21.91                  | 21.98      | 22.03      |
|              | 12/13          | 23.00                        | 21.86                  | 22.07      | 22.02        |               | 25/25          | 23.00                        | 21.88                  | 22.03      | 21.99      |
|              | 25/0           | 23.00                        | 21.88                  | 21.96      | 22.00        |               | 50/0           | 23.00                        | 21.90                  | 21.97      | 21.93      |
| 16QAM        | 1/0            | 23.00                        | 22.19                  | 22.32      | 22.30        | 16QAM         | 1/0            | 23.00                        | 22.17                  | 22.26      | 22.21      |
|              | 1/12           | 23.00                        | 22.22                  | 22.44      | 22.32        |               | 1/24           | 23.00                        | 22.17                  | 22.29      | 22.26      |
|              | 1/24           | 23.00                        | 22.14                  | 22.35      | 22.30        |               | 1/49           | 23.00                        | 22.22                  | 22.23      | 22.18      |
|              | 12/0           | 22.00                        | 21.05                  | 21.08      | 21.06        |               | 25/0           | 22.00                        | 20.88                  | 20.98      | 20.98      |
|              | 12/6           | 22.00                        | 21.07                  | 21.12      | 21.12        |               | 25/12          | 22.00                        | 20.95                  | 20.99      | 21.08      |
|              | 12/13          | 22.00                        | 21.05                  | 21.17      | 21.08        |               | 25/25          | 22.00                        | 20.93                  | 21.05      | 21.01      |
|              | 25/0           | 22.00                        | 20.89                  | 20.94      | 21.02        |               | 50/0           | 22.00                        | 20.91                  | 20.95      | 20.93      |
| 64QAM        | 1/0            | 22.00                        | 20.46                  | 20.44      | 20.47        | 64QAM         | 1/0            | 22.00                        | 20.85                  | 20.86      | 20.88      |
|              | 1/12           | 22.00                        | 20.46                  | 20.47      | 20.45        |               | 1/24           | 22.00                        | 20.66                  | 20.64      | 20.62      |
|              | 1/24           | 22.00                        | 20.38                  | 20.34      | 20.36        |               | 1/49           | 22.00                        | 20.85                  | 20.88      | 20.84      |
|              | 12/0           | 21.00                        | 19.52                  | 19.58      | 19.57        |               | 25/0           | 21.00                        | 19.74                  | 19.72      | 19.71      |
|              | 12/6           | 21.00                        | 19.56                  | 19.53      | 19.52        |               | 25/12          | 21.00                        | 19.63                  | 19.64      | 19.65      |
|              | 12/13          | 21.00                        | 19.82                  | 19.78      | 19.75        |               | 25/25          | 21.00                        | 19.66                  | 19.63      | 19.68      |
|              | 25/0           | 21.00                        | 19.61                  | 19.51      | 19.50        |               | 50/0           | 21.00                        | 19.53                  | 19.52      | 19.50      |
| 256AM        | 1/0            | 21.00                        | 19.38                  | 19.41      | 19.39        | 256AM         | 1/0            | 21.00                        | 19.60                  | 19.62      | 19.55      |
|              | 1/12           | 21.00                        | 19.48                  | 19.51      | 19.55        |               | 1/24           | 21.00                        | 19.36                  | 19.38      | 19.37      |
|              | 1/24           | 21.00                        | 19.22                  | 19.19      | 19.17        |               | 1/49           | 21.00                        | 19.14                  | 19.15      | 19.19      |
|              | 12/0           | 20.00                        | 18.33                  | 18.37      | 18.35        |               | 25/0           | 20.00                        | 18.09                  | 18.10      | 18.13      |
|              | 12/6           | 20.00                        | 18.32                  | 18.36      | 18.31        |               | 25/12          | 20.00                        | 18.12                  | 18.16      | 18.14      |
|              | 12/13          | 20.00                        | 18.34                  | 18.37      | 18.32        |               | 25/25          | 20.00                        | 18.11                  | 18.13      | 18.09      |
|              | 25/0           | 20.00                        | 18.30                  | 18.31      | 18.26        |               | 50/0           | 20.00                        | 18.12                  | 18.14      | 18.15      |

| LTE B2/BW=15M |                | Average Conducted Power(dBm) |                        |            |              | LTE B2/BW=20M |                | Average Conducted Power(dBm) |                        |            |            |
|---------------|----------------|------------------------------|------------------------|------------|--------------|---------------|----------------|------------------------------|------------------------|------------|------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |            |
|               |                |                              | 18675/1857.5           | 18900/1880 | 19125/1902.5 |               |                |                              | 18700/1860             | 18900/1880 | 19100/1900 |
| QPSK          | 1/0            | 24.00                        | 22.71                  | 22.80      | 22.78        | QPSK          | 1/0            | 24.00                        | 22.85                  | 22.79      | 22.77      |
|               | 1/37           | 24.00                        | 22.68                  | 22.78      | 22.78        |               | 1/50           | 24.00                        | 22.79                  | 22.77      | 22.79      |
|               | 1/74           | 24.00                        | 22.73                  | 22.72      | 22.66        |               | 1/99           | 24.00                        | 22.74                  | 22.70      | 22.43      |
|               | 36/0           | 23.00                        | 21.70                  | 21.81      | 21.83        |               | 50/0           | 23.00                        | 21.84                  | 21.90      | 21.91      |
|               | 36/19          | 23.00                        | 21.75                  | 21.82      | 21.87        |               | 50/25          | 23.00                        | 21.92                  | 21.88      | 21.95      |
|               | 36/39          | 23.00                        | 21.77                  | 21.86      | 21.83        |               | 50/50          | 23.00                        | 21.92                  | 21.93      | 21.93      |
|               | 75/0           | 23.00                        | 21.78                  | 21.80      | 21.89        |               | 100/0          | 23.00                        | 21.79                  | 21.82      | 21.81      |
| 16QAM         | 1/0            | 23.00                        | 22.03                  | 22.06      | 22.07        | 16QAM         | 1/0            | 23.00                        | 22.12                  | 22.10      | 22.05      |
|               | 1/37           | 23.00                        | 21.98                  | 22.08      | 22.07        |               | 1/50           | 23.00                        | 22.11                  | 22.06      | 22.08      |
|               | 1/74           | 23.00                        | 22.06                  | 22.06      | 21.98        |               | 1/99           | 23.00                        | 22.04                  | 22.01      | 21.93      |
|               | 36/0           | 22.00                        | 20.72                  | 20.82      | 20.81        |               | 50/0           | 22.00                        | 20.73                  | 20.80      | 20.79      |
|               | 36/19          | 22.00                        | 20.77                  | 20.80      | 20.87        |               | 50/25          | 22.00                        | 20.83                  | 20.82      | 20.81      |
|               | 36/39          | 22.00                        | 20.78                  | 20.86      | 20.81        |               | 50/50          | 22.00                        | 20.82                  | 20.85      | 20.83      |
|               | 75/0           | 22.00                        | 20.77                  | 20.79      | 20.88        |               | 100/0          | 22.00                        | 20.81                  | 20.78      | 20.79      |
| 64QAM         | 1/0            | 22.00                        | 20.51                  | 20.50      | 20.55        | 64QAM         | 1/0            | 22.00                        | 20.73                  | 20.76      | 20.75      |
|               | 1/37           | 22.00                        | 20.63                  | 20.64      | 20.68        |               | 1/50           | 22.00                        | 20.86                  | 20.91      | 20.88      |
|               | 1/74           | 22.00                        | 20.35                  | 20.36      | 20.34        |               | 1/99           | 22.00                        | 20.38                  | 20.40      | 20.42      |
|               | 36/0           | 21.00                        | 19.45                  | 19.47      | 19.42        |               | 50/0           | 21.00                        | 19.38                  | 19.34      | 19.36      |
|               | 36/19          | 21.00                        | 19.52                  | 19.50      | 19.53        |               | 50/25          | 21.00                        | 19.52                  | 19.43      | 19.48      |
|               | 36/39          | 21.00                        | 19.47                  | 19.49      | 19.50        |               | 50/50          | 21.00                        | 19.47                  | 19.54      | 19.52      |
|               | 75/0           | 21.00                        | 19.45                  | 19.47      | 19.48        |               | 100/0          | 21.00                        | 19.45                  | 19.44      | 19.46      |
| 256AM         | 1/0            | 21.00                        | 19.53                  | 19.52      | 19.51        | 256AM         | 1/0            | 21.00                        | 19.33                  | 19.36      | 19.37      |
|               | 1/37           | 21.00                        | 19.32                  | 19.33      | 19.31        |               | 1/50           | 21.00                        | 19.19                  | 19.21      | 19.18      |
|               | 1/74           | 21.00                        | 19.50                  | 19.49      | 19.51        |               | 1/99           | 21.00                        | 19.17                  | 19.14      | 19.16      |
|               | 36/0           | 20.00                        | 18.26                  | 18.24      | 18.25        |               | 50/0           | 20.00                        | 18.25                  | 18.22      | 18.20      |
|               | 36/19          | 20.00                        | 18.22                  | 18.21      | 18.19        |               | 50/25          | 20.00                        | 18.24                  | 18.28      | 18.26      |
|               | 36/39          | 20.00                        | 18.20                  | 18.17      | 18.13        |               | 50/50          | 20.00                        | 18.31                  | 18.33      | 18.23      |
|               | 75/0           | 20.00                        | 18.17                  | 18.19      | 18.14        |               | 100/0          | 20.00                        | 18.26                  | 18.29      | 18.28      |

## Ant 1 Hotspot on

| LTE B2/BW=1.4M |                | Average Conducted Power(dBm) |                        |            |              | LTE B2/BW=3M |                | Average Conducted Power(dBm) |                        |            |              |
|----------------|----------------|------------------------------|------------------------|------------|--------------|--------------|----------------|------------------------------|------------------------|------------|--------------|
| Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation   | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              |
|                |                |                              | 18607/1850.7           | 18900/1880 | 19193/1909.3 |              |                |                              | 18615/1851.5           | 18900/1880 | 19185/1908.5 |
| QPSK           | 1/0            | 23.50                        | 22.44                  | 22.46      | 22.32        | QPSK         | 1/0            | 23.50                        | 22.43                  | 22.42      | 22.38        |
|                | 1/2            | 23.50                        | 22.48                  | 22.46      | 22.38        |              | 1/7            | 23.50                        | 22.45                  | 22.47      | 22.46        |
|                | 1/5            | 23.50                        | 22.45                  | 22.44      | 22.36        |              | 1/14           | 23.50                        | 22.36                  | 22.44      | 22.36        |
|                | 3/0            | 23.50                        | 22.43                  | 22.42      | 22.33        |              | 8/0            | 22.50                        | 21.97                  | 21.91      | 21.92        |
|                | 3/1            | 23.50                        | 22.46                  | 22.45      | 22.37        |              | 8/3            | 22.50                        | 21.96                  | 22.02      | 21.96        |
|                | 3/3            | 23.50                        | 22.44                  | 22.45      | 22.35        |              | 8/7            | 22.50                        | 21.95                  | 21.96      | 21.86        |
|                | 6/0            | 22.50                        | 21.96                  | 21.95      | 21.84        |              | 15/0           | 22.50                        | 21.92                  | 21.90      | 21.94        |
| 16QAM          | 1/0            | 22.50                        | 22.28                  | 22.22      | 21.90        | 16QAM        | 1/0            | 22.50                        | 22.31                  | 22.27      | 22.20        |
|                | 1/2            | 22.50                        | 22.26                  | 22.23      | 21.90        |              | 1/7            | 22.50                        | 22.35                  | 22.35      | 22.10        |
|                | 1/5            | 22.50                        | 22.28                  | 22.23      | 21.78        |              | 1/14           | 22.50                        | 22.31                  | 22.27      | 21.88        |
|                | 3/0            | 22.50                        | 22.08                  | 22.09      | 21.75        |              | 8/0            | 21.50                        | 20.96                  | 20.91      | 20.92        |
|                | 3/1            | 22.50                        | 22.12                  | 22.13      | 21.75        |              | 8/3            | 21.50                        | 21.02                  | 21.03      | 20.92        |
|                | 3/3            | 22.50                        | 22.08                  | 22.10      | 21.70        |              | 8/7            | 21.50                        | 20.97                  | 20.99      | 20.81        |
|                | 6/0            | 21.50                        | 20.97                  | 21.04      | 20.80        |              | 15/0           | 21.50                        | 20.93                  | 20.93      | 20.91        |
| 64QAM          | 1/0            | 21.50                        | 21.00                  | 20.97      | 20.91        | 64QAM        | 1/0            | 21.50                        | 20.81                  | 20.77      | 20.70        |
|                | 1/2            | 21.50                        | 21.10                  | 21.06      | 21.04        |              | 1/7            | 21.50                        | 20.81                  | 20.86      | 20.82        |
|                | 1/5            | 21.50                        | 21.17                  | 21.14      | 21.11        |              | 1/14           | 21.50                        | 20.71                  | 20.70      | 20.70        |
|                | 3/0            | 21.50                        | 20.76                  | 20.84      | 20.74        |              | 8/0            | 20.50                        | 19.60                  | 19.59      | 19.68        |
|                | 3/1            | 21.50                        | 20.82                  | 20.73      | 20.75        |              | 8/3            | 20.50                        | 19.68                  | 19.67      | 19.77        |
|                | 3/3            | 21.50                        | 20.72                  | 20.64      | 20.64        |              | 8/7            | 20.50                        | 19.78                  | 19.81      | 19.86        |
|                | 6/0            | 20.50                        | 19.82                  | 19.75      | 19.68        |              | 15/0           | 20.50                        | 19.74                  | 19.75      | 19.77        |
| 256AM          | 1/0            | 20.50                        | 18.95                  | 18.83      | 19.12        | 256AM        | 1/0            | 20.50                        | 18.95                  | 18.85      | 18.73        |
|                | 1/2            | 20.50                        | 18.68                  | 18.77      | 18.67        |              | 1/7            | 20.50                        | 18.88                  | 18.94      | 18.81        |
|                | 1/5            | 20.50                        | 18.98                  | 18.87      | 18.92        |              | 1/14           | 20.50                        | 18.57                  | 18.72      | 18.64        |
|                | 3/0            | 20.50                        | 18.64                  | 18.75      | 18.67        |              | 8/0            | 19.50                        | 17.96                  | 17.99      | 17.88        |
|                | 3/1            | 20.50                        | 18.88                  | 18.89      | 18.88        |              | 8/3            | 19.50                        | 17.99                  | 18.05      | 18.09        |
|                | 3/3            | 20.50                        | 18.80                  | 18.86      | 18.82        |              | 8/7            | 19.50                        | 17.86                  | 17.97      | 17.88        |
|                | 6/0            | 19.50                        | 17.89                  | 17.91      | 17.86        |              | 15/0           | 19.50                        | 17.99                  | 17.78      | 17.94        |

| LTE B2/BW=5M |                | Average Conducted Power(dBm) |                        |            |              | LTE B2/BW=10M |                | Average Conducted Power(dBm) |                        |            |            |
|--------------|----------------|------------------------------|------------------------|------------|--------------|---------------|----------------|------------------------------|------------------------|------------|------------|
| Modulation   | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |            |
|              |                |                              | 18625/1852.5           | 18900/1880 | 19175/1907.5 |               |                |                              | 18650/1855             | 18900/1880 | 19150/1905 |
| QPSK         | 1/0            | 23.50                        | 22.43                  | 22.39      | 22.36        | QPSK          | 1/0            | 23.50                        | 22.21                  | 22.31      | 22.24      |
|              | 1/12           | 23.50                        | 22.45                  | 22.47      | 22.42        |               | 1/24           | 23.50                        | 22.24                  | 21.84      | 22.30      |
|              | 1/24           | 23.50                        | 22.41                  | 22.43      | 22.37        |               | 1/49           | 23.50                        | 22.18                  | 22.25      | 22.16      |
|              | 12/0           | 22.50                        | 21.95                  | 21.89      | 21.94        |               | 25/0           | 22.50                        | 21.91                  | 21.92      | 21.88      |
|              | 12/6           | 22.50                        | 21.98                  | 21.94      | 21.98        |               | 25/12          | 22.50                        | 21.99                  | 21.94      | 21.89      |
|              | 12/13          | 22.50                        | 21.96                  | 22.00      | 21.93        |               | 25/25          | 22.50                        | 21.97                  | 21.97      | 21.93      |
|              | 25/0           | 22.50                        | 21.96                  | 21.89      | 21.94        |               | 50/0           | 22.50                        | 21.96                  | 21.92      | 21.89      |
| 16QAM        | 1/0            | 22.50                        | 22.25                  | 22.34      | 22.26        | 16QAM         | 1/0            | 22.50                        | 22.22                  | 22.27      | 22.14      |
|              | 1/12           | 22.50                        | 22.33                  | 22.48      | 22.28        |               | 1/24           | 22.50                        | 22.24                  | 22.30      | 22.25      |
|              | 1/24           | 22.50                        | 22.24                  | 22.43      | 22.05        |               | 1/49           | 22.50                        | 22.23                  | 22.23      | 21.87      |
|              | 12/0           | 21.50                        | 21.00                  | 20.91      | 20.90        |               | 25/0           | 21.50                        | 20.97                  | 20.94      | 20.92      |
|              | 12/6           | 21.50                        | 21.04                  | 20.93      | 20.93        |               | 25/12          | 21.50                        | 20.99                  | 20.96      | 20.94      |
|              | 12/13          | 21.50                        | 20.99                  | 21.00      | 20.88        |               | 25/25          | 21.50                        | 21.00                  | 21.01      | 20.98      |
|              | 25/0           | 21.50                        | 20.96                  | 20.89      | 20.96        |               | 50/0           | 21.50                        | 20.94                  | 20.91      | 20.92      |
| 64QAM        | 1/0            | 21.50                        | 20.72                  | 20.69      | 20.89        | 64QAM         | 1/0            | 21.50                        | 21.32                  | 21.18      | 21.08      |
|              | 1/12           | 21.50                        | 20.65                  | 20.68      | 20.65        |               | 1/24           | 21.50                        | 21.18                  | 21.21      | 21.20      |
|              | 1/24           | 21.50                        | 20.57                  | 20.61      | 20.55        |               | 1/49           | 21.50                        | 21.15                  | 21.16      | 21.10      |
|              | 12/0           | 20.50                        | 19.52                  | 19.55      | 19.50        |               | 25/0           | 20.50                        | 19.87                  | 19.90      | 19.90      |
|              | 12/6           | 20.50                        | 19.61                  | 19.64      | 19.69        |               | 25/12          | 20.50                        | 20.01                  | 20.00      | 20.05      |
|              | 12/13          | 20.50                        | 19.76                  | 19.73      | 19.68        |               | 25/25          | 20.50                        | 20.00                  | 20.03      | 20.08      |
|              | 25/0           | 20.50                        | 19.75                  | 19.75      | 19.78        |               | 50/0           | 20.50                        | 20.08                  | 19.89      | 19.95      |
| 256AM        | 1/0            | 20.50                        | 18.90                  | 19.03      | 18.97        | 256AM         | 1/0            | 20.50                        | 19.07                  | 18.97      | 19.18      |
|              | 1/12           | 20.50                        | 18.83                  | 18.89      | 18.78        |               | 1/24           | 20.50                        | 19.03                  | 18.98      | 19.02      |
|              | 1/24           | 20.50                        | 18.78                  | 18.77      | 18.80        |               | 1/49           | 20.50                        | 19.15                  | 19.14      | 19.14      |
|              | 12/0           | 19.50                        | 18.10                  | 18.10      | 18.12        |               | 25/0           | 19.50                        | 17.94                  | 17.82      | 17.81      |
|              | 12/6           | 19.50                        | 17.90                  | 17.93      | 17.94        |               | 25/12          | 19.50                        | 18.05                  | 17.91      | 18.03      |
|              | 12/13          | 19.50                        | 18.12                  | 18.01      | 18.10        |               | 25/25          | 19.50                        | 17.95                  | 17.99      | 17.98      |
|              | 25/0           | 19.50                        | 17.90                  | 17.80      | 17.85        |               | 50/0           | 19.50                        | 17.90                  | 17.88      | 17.92      |

| LTE B2/BW=15M |                | Average Conducted Power(dBm) |                        |            |              | LTE B2/BW=20M |                | Average Conducted Power(dBm) |                        |              |              |
|---------------|----------------|------------------------------|------------------------|------------|--------------|---------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|               |                |                              | 18675/1857.5           | 18900/1880 | 19125/1902.5 |               |                |                              | 18700/1860             | 18900/1880   | 19100/1900   |
| QPSK          | 1/0            | 23.50                        | 22.34                  | 22.27      | 22.25        | QPSK          | 1/0            | 23.50                        | <b>22.46</b>           | <b>22.47</b> | <b>22.50</b> |
|               | 1/37           | 23.50                        | 22.24                  | 22.26      | 22.25        |               | 1/50           | 23.50                        | 22.42                  | 22.44        | 22.48        |
|               | 1/74           | 23.50                        | 22.34                  | 22.22      | 22.18        |               | 1/99           | 23.50                        | 22.42                  | 22.44        | 22.40        |
|               | 36/0           | 22.50                        | 21.83                  | 22.22      | 21.83        |               | 50/0           | 22.50                        | 21.75                  | 21.81        | 21.77        |
|               | 36/19          | 22.50                        | 21.83                  | 21.80      | 21.88        |               | 50/25          | 22.50                        | 21.84                  | 21.77        | <b>21.85</b> |
|               | 36/39          | 22.50                        | 21.83                  | 21.88      | 21.86        |               | 50/50          | 22.50                        | 21.84                  | 21.83        | 21.81        |
|               | 75/0           | 22.50                        | 21.86                  | 21.83      | 21.79        |               | 100/0          | 22.50                        | 21.83                  | 21.79        | 21.86        |
| 16QAM         | 1/0            | 22.50                        | 22.14                  | 22.09      | 22.04        | 16QAM         | 1/0            | 22.50                        | 22.07                  | 22.18        | 21.97        |
|               | 1/37           | 22.50                        | 22.09                  | 22.03      | 22.02        |               | 1/50           | 22.50                        | 22.10                  | 20.84        | 21.98        |
|               | 1/74           | 22.50                        | 22.15                  | 22.03      | 21.90        |               | 1/99           | 22.50                        | 22.11                  | 22.08        | 21.87        |
|               | 36/0           | 21.50                        | 20.82                  | 20.94      | 20.83        |               | 50/0           | 21.50                        | 20.73                  | 20.80        | 20.77        |
|               | 36/19          | 21.50                        | 20.81                  | 20.80      | 20.89        |               | 50/25          | 21.50                        | 20.86                  | 20.81        | 20.87        |
|               | 36/39          | 21.50                        | 20.85                  | 20.89      | 20.87        |               | 50/50          | 21.50                        | 20.84                  | 20.85        | 20.85        |
|               | 75/0           | 21.50                        | 20.85                  | 20.78      | 20.77        |               | 100/0          | 21.50                        | 20.83                  | 20.80        | 20.82        |
| 64QAM         | 1/0            | 21.50                        | 21.01                  | 21.06      | 20.72        | 64QAM         | 1/0            | 21.50                        | 21.06                  | 20.97        | 21.07        |
|               | 1/37           | 21.50                        | 21.29                  | 21.33      | 21.21        |               | 1/50           | 21.50                        | 21.11                  | 21.09        | 21.09        |
|               | 1/74           | 21.50                        | 20.67                  | 20.67      | 20.67        |               | 1/99           | 21.50                        | 20.79                  | 20.69        | 20.80        |
|               | 36/0           | 20.50                        | 19.83                  | 19.77      | 19.79        |               | 50/0           | 20.50                        | 19.84                  | 19.90        | 19.82        |
|               | 36/19          | 20.50                        | 19.79                  | 19.72      | 19.73        |               | 50/25          | 20.50                        | 19.79                  | 19.80        | 19.86        |
|               | 36/39          | 20.50                        | 19.78                  | 19.79      | 19.90        |               | 50/50          | 20.50                        | 19.90                  | 19.94        | 19.90        |
|               | 75/0           | 20.50                        | 19.91                  | 19.84      | 19.94        |               | 100/0          | 20.50                        | 19.85                  | 19.86        | 19.92        |
| 256AM         | 1/0            | 20.50                        | 18.78                  | 18.81      | 19.05        | 256AM         | 1/0            | 20.50                        | 18.71                  | 18.98        | 19.00        |
|               | 1/37           | 20.50                        | 18.70                  | 18.82      | 18.83        |               | 1/50           | 20.50                        | 18.88                  | 18.89        | 18.84        |
|               | 1/74           | 20.50                        | 18.88                  | 18.87      | 18.88        |               | 1/99           | 20.50                        | 18.71                  | 18.68        | 18.78        |
|               | 36/0           | 19.50                        | 17.90                  | 17.81      | 17.81        |               | 50/0           | 19.50                        | 17.80                  | 17.83        | 17.87        |
|               | 36/19          | 19.50                        | 17.92                  | 17.93      | 17.87        |               | 50/25          | 19.50                        | 17.89                  | 17.86        | 17.82        |
|               | 36/39          | 19.50                        | 17.91                  | 17.84      | 17.95        |               | 50/50          | 19.50                        | 17.92                  | 17.95        | 17.91        |
|               | 75/0           | 19.50                        | 17.82                  | 17.69      | 17.63        |               | 100/0          | 19.50                        | 17.86                  | 17.72        | 17.84        |

Note: The tested channel results are marks in bold.

## 7. Conducted power measurement results of LTE B4

Ant 1\_Receiver on

| LTE B4/BW=1.4M |                | Average Conducted Power(dBm) |                        |              |              | LTE B4/BW=3M |                | Average Conducted Power(dBm) |                        |              |              |
|----------------|----------------|------------------------------|------------------------|--------------|--------------|--------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              | Modulation   | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|                |                |                              | 19957/1710.7           | 20175/1732.5 | 20393/1754.3 |              |                |                              | 19965/1711.5           | 20175/1732.5 | 20385/1753.5 |
| QPSK           | 1/0            | 22.50                        | 21.70                  | 21.90        | 21.70        | QPSK         | 1/0            | 22.50                        | 21.89                  | 22.04        | 21.68        |
|                | 1/2            | 22.50                        | 21.83                  | 21.99        | 21.76        |              | 1/7            | 22.50                        | 21.96                  | 21.87        | 21.70        |
|                | 1/5            | 22.50                        | 21.73                  | 21.96        | 21.70        |              | 1/14           | 22.50                        | 21.88                  | 21.99        | 21.65        |
|                | 3/0            | 22.50                        | 21.53                  | 21.65        | 21.43        |              | 8/0            | 22.50                        | 21.59                  | 21.69        | 21.42        |
|                | 3/1            | 22.50                        | 21.55                  | 21.64        | 21.40        |              | 8/3            | 22.50                        | 21.63                  | 21.72        | 21.48        |
|                | 3/3            | 22.50                        | 21.55                  | 21.63        | 21.41        |              | 8/7            | 22.50                        | 21.57                  | 21.69        | 21.47        |
|                | 6/0            | 22.50                        | 21.57                  | 21.68        | 21.40        |              | 15/0           | 22.50                        | 21.59                  | 21.65        | 21.45        |
| 16QAM          | 1/0            | 22.50                        | 21.53                  | 21.64        | 21.41        | 16QAM        | 1/0            | 22.50                        | 21.57                  | 21.65        | 21.40        |
|                | 1/2            | 22.50                        | 21.56                  | 21.67        | 21.42        |              | 1/7            | 22.50                        | 21.59                  | 21.72        | 21.50        |
|                | 1/5            | 22.50                        | 21.56                  | 21.64        | 21.40        |              | 1/14           | 22.50                        | 21.53                  | 21.64        | 21.41        |
|                | 3/0            | 22.50                        | 21.65                  | 21.77        | 21.51        |              | 8/0            | 21.50                        | 21.10                  | 21.17        | 20.98        |
|                | 3/1            | 22.50                        | 21.64                  | 21.81        | 21.55        |              | 8/3            | 21.50                        | 21.15                  | 21.19        | 21.00        |
|                | 3/3            | 22.50                        | 21.65                  | 21.76        | 21.54        |              | 8/7            | 21.50                        | 21.10                  | 21.17        | 20.99        |
|                | 6/0            | 21.50                        | 21.09                  | 21.18        | 20.92        |              | 15/0           | 21.50                        | 21.09                  | 21.14        | 20.94        |
| 64QAM          | 1/0            | 21.50                        | 19.94                  | 19.97        | 19.78        | 64QAM        | 1/0            | 21.50                        | 20.06                  | 19.93        | 19.98        |
|                | 1/2            | 21.50                        | 20.05                  | 19.98        | 20.12        |              | 1/7            | 21.50                        | 20.06                  | 20.09        | 20.16        |
|                | 1/5            | 21.50                        | 19.56                  | 19.53        | 19.53        |              | 1/14           | 21.50                        | 20.17                  | 20.04        | 20.09        |
|                | 3/0            | 21.50                        | 19.95                  | 19.89        | 19.73        |              | 8/0            | 20.50                        | 19.33                  | 19.05        | 18.97        |
|                | 3/1            | 21.50                        | 20.20                  | 20.00        | 20.05        |              | 8/3            | 20.50                        | 19.05                  | 19.09        | 19.12        |
|                | 3/3            | 21.50                        | 19.99                  | 19.80        | 20.03        |              | 8/7            | 20.50                        | 18.89                  | 18.95        | 19.02        |
|                | 6/0            | 20.50                        | 18.95                  | 19.01        | 18.84        |              | 15/0           | 20.50                        | 19.18                  | 19.01        | 18.96        |
| 256QAM         | 1/0            | 20.50                        | 18.60                  | 18.69        | 18.87        | 256QAM       | 1/0            | 20.50                        | 18.76                  | 18.75        | 18.73        |
|                | 1/2            | 20.50                        | 18.90                  | 18.73        | 18.91        |              | 1/7            | 20.50                        | 18.96                  | 18.90        | 19.10        |
|                | 1/5            | 20.50                        | 19.01                  | 19.06        | 18.99        |              | 1/14           | 20.50                        | 18.70                  | 18.68        | 18.54        |
|                | 3/0            | 20.50                        | 18.76                  | 18.82        | 18.59        |              | 8/0            | 19.50                        | 17.70                  | 17.78        | 17.98        |
|                | 3/1            | 20.50                        | 18.68                  | 18.51        | 18.60        |              | 8/3            | 19.50                        | 17.96                  | 17.96        | 17.77        |
|                | 3/3            | 20.50                        | 18.67                  | 18.77        | 18.74        |              | 8/7            | 19.50                        | 17.92                  | 17.69        | 17.79        |
|                | 6/0            | 19.50                        | 17.65                  | 17.56        | 17.68        |              | 15/0           | 19.50                        | 17.80                  | 17.90        | 17.66        |

| LTE B4/BW=5M |                | Average Conducted Power(dBm) |                        |              |              | LTE B4/BW=10M |                | Average Conducted Power(dBm) |                        |              |            |
|--------------|----------------|------------------------------|------------------------|--------------|--------------|---------------|----------------|------------------------------|------------------------|--------------|------------|
| Modulation   | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |            |
|              |                |                              | 19975/1712.5           | 20175/1732.5 | 20375/1752.5 |               |                |                              | 20000/1715             | 20175/1732.5 | 20350/1750 |
| QPSK         | 1/0            | 22.50                        | 21.57                  | 21.65        | 21.40        | QPSK          | 1/0            | 22.50                        | 21.88                  | 21.98        | 21.63      |
|              | 1/12           | 22.50                        | 21.59                  | 21.72        | 21.50        |               | 1/24           | 22.50                        | 21.88                  | 21.99        | 21.64      |
|              | 1/24           | 22.50                        | 21.53                  | 21.64        | 21.41        |               | 1/49           | 22.50                        | 21.90                  | 22.01        | 21.57      |
|              | 12/0           | 22.50                        | 21.59                  | 21.69        | 21.42        |               | 25/0           | 22.50                        | 21.51                  | 21.64        | 21.36      |
|              | 12/6           | 22.50                        | 21.63                  | 21.72        | 21.48        |               | 25/12          | 22.50                        | 21.58                  | 21.65        | 21.48      |
|              | 12/13          | 22.50                        | 21.57                  | 21.69        | 21.47        |               | 25/25          | 22.50                        | 21.58                  | 21.66        | 21.44      |
|              | 25/0           | 22.50                        | 21.59                  | 21.65        | 21.45        |               | 50/0           | 22.50                        | 21.60                  | 21.65        | 21.38      |
| 16QAM        | 1/0            | 22.50                        | 21.57                  | 21.65        | 21.40        | 16QAM         | 1/0            | 22.50                        | 21.56                  | 21.70        | 21.48      |
|              | 1/12           | 22.50                        | 21.59                  | 21.72        | 21.50        |               | 1/24           | 22.50                        | 21.60                  | 21.67        | 21.52      |
|              | 1/24           | 22.50                        | 21.53                  | 21.64        | 21.41        |               | 1/49           | 22.50                        | 21.53                  | 21.63        | 21.44      |
|              | 12/0           | 21.50                        | 21.10                  | 21.17        | 20.98        |               | 25/0           | 21.50                        | 21.05                  | 21.13        | 20.86      |
|              | 12/6           | 21.50                        | 21.15                  | 21.19        | 21.00        |               | 25/12          | 21.50                        | 21.13                  | 21.13        | 20.99      |
|              | 12/13          | 21.50                        | 21.10                  | 21.17        | 20.99        |               | 25/25          | 21.50                        | 21.14                  | 21.16        | 21.00      |
|              | 25/0           | 21.50                        | 21.09                  | 21.14        | 20.94        |               | 50/0           | 21.50                        | 21.09                  | 21.12        | 20.85      |
| 64QAM        | 1/0            | 21.50                        | 20.02                  | 20.11        | 19.95        | 64QAM         | 1/0            | 21.50                        | 19.95                  | 20.07        | 20.03      |
|              | 1/12           | 21.50                        | 19.73                  | 19.79        | 19.63        |               | 1/24           | 21.50                        | 19.96                  | 19.92        | 20.04      |
|              | 1/24           | 21.50                        | 20.06                  | 20.08        | 19.86        |               | 1/49           | 21.50                        | 20.24                  | 20.01        | 19.98      |
|              | 12/0           | 20.50                        | 19.26                  | 19.22        | 19.07        |               | 25/0           | 20.50                        | 18.89                  | 18.88        | 18.88      |
|              | 12/6           | 20.50                        | 18.88                  | 19.02        | 19.06        |               | 25/12          | 20.50                        | 19.15                  | 19.20        | 19.08      |
|              | 12/13          | 20.50                        | 18.98                  | 19.06        | 18.77        |               | 25/25          | 20.50                        | 19.04                  | 18.90        | 19.09      |
|              | 25/0           | 20.50                        | 19.18                  | 19.13        | 18.92        |               | 50/0           | 20.50                        | 19.25                  | 18.93        | 18.86      |
| 256QAM       | 1/0            | 20.50                        | 18.74                  | 18.88        | 18.75        | 256QAM        | 1/0            | 20.50                        | 18.86                  | 18.73        | 19.02      |
|              | 1/12           | 20.50                        | 18.97                  | 18.85        | 18.68        |               | 1/24           | 20.50                        | 18.83                  | 18.93        | 18.77      |
|              | 1/24           | 20.50                        | 18.94                  | 18.83        | 18.94        |               | 1/49           | 20.50                        | 18.85                  | 18.84        | 19.02      |
|              | 12/0           | 19.50                        | 17.76                  | 17.51        | 17.62        |               | 25/0           | 19.50                        | 17.65                  | 17.59        | 17.53      |
|              | 12/6           | 19.50                        | 17.73                  | 17.82        | 17.54        |               | 25/12          | 19.50                        | 17.92                  | 17.88        | 17.96      |
|              | 12/13          | 19.50                        | 17.84                  | 17.94        | 17.82        |               | 25/25          | 19.50                        | 17.57                  | 17.67        | 17.77      |
|              | 25/0           | 19.50                        | 17.94                  | 17.63        | 17.74        |               | 50/0           | 19.50                        | 18.02                  | 17.77        | 17.61      |

| LTE B4/BW=15M |                | Average Conducted Power(dBm) |                        |              |              | LTE B4/BW=20M |                | Average Conducted Power(dBm) |                        |              |              |
|---------------|----------------|------------------------------|------------------------|--------------|--------------|---------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|               |                |                              | 20025/1717.5           | 20175/1732.5 | 20325/1747.5 |               |                |                              | 20050/1720             | 20175/1732.5 | 20300/1745   |
| QPSK          | 1/0            | 22.50                        | 21.67                  | 21.91        | 21.71        | QPSK          | 1/0            | 22.50                        | 21.96                  | <b>22.07</b> | 21.70        |
|               | 1/37           | 22.50                        | 21.65                  | 21.88        | 21.61        |               | 1/50           | 22.50                        | 21.89                  | 22.04        | 21.68        |
|               | 1/74           | 22.50                        | 21.69                  | 21.83        | 21.61        |               | 1/99           | 22.50                        | 21.88                  | 21.99        | 21.65        |
|               | 36/0           | 22.50                        | 21.37                  | 21.57        | 21.31        |               | 50/0           | 22.50                        | 21.40                  | 21.50        | 21.29        |
|               | 36/19          | 22.50                        | 21.45                  | 21.57        | 21.31        |               | 50/25          | 22.50                        | <b>21.52</b>           | <b>21.47</b> | <b>21.37</b> |
|               | 36/39          | 22.50                        | 21.46                  | 21.54        | 21.37        |               | 50/50          | 22.50                        | 21.42                  | 21.49        | 21.34        |
|               | 75/0           | 22.50                        | 21.49                  | 21.54        | 21.31        |               | 100/0          | 22.50                        | 21.44                  | 21.50        | 21.34        |
| 16QAM         | 1/0            | 22.50                        | 21.41                  | 21.57        | 21.25        | 16QAM         | 1/0            | 22.50                        | 21.46                  | 21.45        | 21.37        |
|               | 1/37           | 22.50                        | 21.35                  | 21.45        | 21.24        |               | 1/50           | 22.50                        | 21.49                  | 21.39        | 21.27        |
|               | 1/74           | 22.50                        | 21.37                  | 21.46        | 21.26        |               | 1/99           | 22.50                        | 21.44                  | 21.43        | 21.25        |
|               | 36/0           | 21.50                        | 21.14                  | 21.06        | 20.81        |               | 50/0           | 21.50                        | 20.89                  | 20.97        | 20.80        |
|               | 36/19          | 21.50                        | 20.98                  | 21.01        | 20.76        |               | 50/25          | 21.50                        | 20.95                  | 21.00        | 20.85        |
|               | 36/39          | 21.50                        | 20.97                  | 21.00        | 20.84        |               | 50/50          | 21.50                        | 20.92                  | 21.01        | 20.81        |
|               | 75/0           | 21.50                        | 20.96                  | 21.02        | 20.78        |               | 100/0          | 21.50                        | 20.95                  | 21.00        | 20.83        |
| 64QAM         | 1/0            | 21.50                        | 20.16                  | 20.05        | 19.94        | 64QAM         | 1/0            | 21.50                        | 20.11                  | 19.90        | 19.71        |
|               | 1/37           | 21.50                        | 20.03                  | 19.93        | 20.04        |               | 1/50           | 21.50                        | 20.14                  | 20.04        | 20.04        |
|               | 1/74           | 21.50                        | 20.00                  | 20.34        | 20.03        |               | 1/99           | 21.50                        | 20.31                  | 20.23        | 20.21        |
|               | 36/0           | 20.50                        | 18.63                  | 18.73        | 18.57        |               | 50/0           | 20.50                        | 18.92                  | 18.91        | 19.06        |
|               | 36/19          | 20.50                        | 18.89                  | 18.85        | 18.93        |               | 50/25          | 20.50                        | 19.07                  | 18.86        | 18.99        |
|               | 36/39          | 20.50                        | 18.75                  | 18.73        | 18.95        |               | 50/50          | 20.50                        | 19.01                  | 18.90        | 18.92        |
|               | 75/0           | 20.50                        | 18.92                  | 18.77        | 18.63        |               | 100/0          | 20.50                        | 19.09                  | 18.87        | 18.80        |
| 256QAM        | 1/0            | 20.50                        | 18.95                  | 18.90        | 18.80        | 256QAM        | 1/0            | 20.50                        | 18.85                  | 18.86        | 18.87        |
|               | 1/37           | 20.50                        | 18.76                  | 18.66        | 18.60        |               | 1/50           | 20.50                        | 18.79                  | 18.90        | 18.57        |
|               | 1/74           | 20.50                        | 18.74                  | 18.54        | 18.57        |               | 1/99           | 20.50                        | 18.72                  | 18.71        | 18.83        |
|               | 36/0           | 19.50                        | 17.60                  | 17.70        | 17.72        |               | 50/0           | 19.50                        | 17.90                  | 17.63        | 17.77        |
|               | 36/19          | 19.50                        | 17.58                  | 17.67        | 17.73        |               | 50/25          | 19.50                        | 17.89                  | 17.91        | 17.94        |
|               | 36/39          | 19.50                        | 17.74                  | 17.64        | 17.61        |               | 50/50          | 19.50                        | 17.75                  | 18.00        | 17.92        |
|               | 75/0           | 19.50                        | 17.89                  | 17.70        | 17.58        |               | 100/0          | 19.50                        | 18.00                  | 17.90        | 17.71        |

## Ant 1 Sensor off

| LTE B4/BW=1.4M |                | Average Conducted Power(dBm) |                        |              |              | LTE B4/BW=3M |                | Average Conducted Power(dBm) |                        |              |              |
|----------------|----------------|------------------------------|------------------------|--------------|--------------|--------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              | Modulation   | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|                |                |                              | 19957/1710.7           | 20175/1732.5 | 20393/1754.3 |              |                |                              | 19965/1711.5           | 20175/1732.5 | 20385/1753.5 |
| QPSK           | 1/0            | 24.00                        | 23.04                  | 22.89        | 22.76        | QPSK         | 1/0            | 24.00                        | 23.00                  | 22.91        | 22.75        |
|                | 1/2            | 24.00                        | 23.03                  | 22.94        | 22.77        |              | 1/7            | 24.00                        | 23.06                  | 22.93        | 22.83        |
|                | 1/5            | 24.00                        | 23.02                  | 22.87        | 22.75        |              | 1/14           | 24.00                        | 22.94                  | 22.85        | 22.72        |
|                | 3/0            | 24.00                        | 23.00                  | 22.90        | 22.80        |              | 8/0            | 23.00                        | 22.02                  | 21.98        | 21.81        |
|                | 3/1            | 24.00                        | 22.98                  | 22.90        | 22.81        |              | 8/3            | 23.00                        | 22.04                  | 21.97        | 21.86        |
|                | 3/3            | 24.00                        | 22.96                  | 22.89        | 22.78        |              | 8/7            | 23.00                        | 22.00                  | 21.96        | 21.78        |
|                | 6/0            | 23.00                        | 22.00                  | 21.94        | 21.82        |              | 15/0           | 23.00                        | 21.98                  | 21.95        | 21.82        |
| 16QAM          | 1/0            | 23.00                        | 22.14                  | 21.97        | 21.94        | 16QAM        | 1/0            | 23.00                        | 22.20                  | 22.10        | 22.00        |
|                | 1/2            | 23.00                        | 22.19                  | 21.97        | 21.94        |              | 1/7            | 23.00                        | 22.21                  | 22.13        | 21.94        |
|                | 1/5            | 23.00                        | 22.17                  | 22.01        | 21.93        |              | 1/14           | 23.00                        | 22.14                  | 22.07        | 21.94        |
|                | 3/0            | 23.00                        | 21.96                  | 21.92        | 21.79        |              | 8/0            | 22.00                        | 20.89                  | 20.89        | 20.78        |
|                | 3/1            | 23.00                        | 21.99                  | 21.91        | 21.80        |              | 8/3            | 22.00                        | 20.90                  | 20.93        | 20.84        |
|                | 3/3            | 23.00                        | 21.97                  | 21.89        | 21.78        |              | 8/7            | 22.00                        | 20.93                  | 20.90        | 20.75        |
|                | 6/0            | 22.00                        | 20.99                  | 20.88        | 20.70        |              | 15/0           | 22.00                        | 20.86                  | 20.89        | 20.77        |
| 64QAM          | 1/0            | 22.00                        | 21.04                  | 21.17        | 20.90        | 64QAM        | 1/0            | 22.00                        | 20.56                  | 20.71        | 20.50        |
|                | 1/2            | 22.00                        | 21.11                  | 21.19        | 20.92        |              | 1/7            | 22.00                        | 20.67                  | 20.84        | 20.58        |
|                | 1/5            | 22.00                        | 21.06                  | 21.12        | 20.91        |              | 1/14           | 22.00                        | 20.59                  | 20.69        | 20.52        |
|                | 3/0            | 22.00                        | 21.07                  | 21.16        | 20.89        |              | 8/0            | 21.00                        | 19.52                  | 19.56        | 19.31        |
|                | 3/1            | 22.00                        | 21.24                  | 21.15        | 20.92        |              | 8/3            | 21.00                        | 19.54                  | 19.57        | 19.37        |
|                | 3/3            | 22.00                        | 21.05                  | 21.16        | 20.78        |              | 8/7            | 21.00                        | 19.56                  | 19.41        | 19.30        |
|                | 6/0            | 21.00                        | 19.99                  | 20.03        | 19.74        |              | 15/0           | 21.00                        | 19.54                  | 19.46        | 19.34        |
| 256QAM         | 1/0            | 21.00                        | 19.44                  | 19.48        | 19.45        | 256QAM       | 1/0            | 21.00                        | 19.11                  | 19.14        | 19.19        |
|                | 1/2            | 21.00                        | 19.81                  | 19.88        | 19.82        |              | 1/7            | 21.00                        | 19.22                  | 19.20        | 19.24        |
|                | 1/5            | 21.00                        | 19.24                  | 19.26        | 19.27        |              | 1/14           | 21.00                        | 19.11                  | 19.13        | 19.22        |
|                | 3/0            | 21.00                        | 19.47                  | 19.50        | 19.52        |              | 8/0            | 20.00                        | 18.78                  | 18.82        | 18.84        |
|                | 3/1            | 21.00                        | 19.74                  | 19.76        | 19.77        |              | 8/3            | 20.00                        | 18.82                  | 18.86        | 18.80        |
|                | 3/3            | 21.00                        | 19.63                  | 19.65        | 19.67        |              | 8/7            | 20.00                        | 18.72                  | 18.75        | 18.71        |
|                | 6/0            | 20.00                        | 18.71                  | 18.74        | 18.78        |              | 15/0           | 20.00                        | 18.68                  | 18.73        | 18.68        |

| LTE B4/BW=5M |                | Average Conducted Power(dBm) |                        |              |              | LTE B4/BW=10M |                | Average Conducted Power(dBm) |                        |              |            |
|--------------|----------------|------------------------------|------------------------|--------------|--------------|---------------|----------------|------------------------------|------------------------|--------------|------------|
| Modulation   | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |            |
|              |                |                              | 19975/1712.5           | 20175/1732.5 | 20375/1752.5 |               |                |                              | 20000/1715             | 20175/1732.5 | 20350/1750 |
| QPSK         | 1/0            | 24.00                        | 22.99                  | 22.86        | 22.76        | QPSK          | 1/0            | 24.00                        | 22.97                  | 22.87        | 22.76      |
|              | 1/12           | 24.00                        | 22.99                  | 22.92        | 22.82        |               | 1/24           | 24.00                        | 22.94                  | 22.91        | 22.79      |
|              | 1/24           | 24.00                        | 22.96                  | 22.80        | 22.71        |               | 1/49           | 24.00                        | 22.89                  | 22.85        | 22.71      |
|              | 12/0           | 23.00                        | 21.98                  | 21.91        | 21.79        |               | 25/0           | 23.00                        | 21.94                  | 21.87        | 21.80      |
|              | 12/6           | 23.00                        | 22.01                  | 21.97        | 21.85        |               | 25/12          | 23.00                        | 21.96                  | 21.91        | 21.76      |
|              | 12/13          | 23.00                        | 21.98                  | 21.90        | 21.77        |               | 25/25          | 23.00                        | 21.92                  | 21.91        | 21.75      |
|              | 25/0           | 23.00                        | 21.98                  | 21.96        | 21.82        |               | 50/0           | 23.00                        | 21.95                  | 21.84        | 21.78      |
| 16QAM        | 1/0            | 23.00                        | 22.16                  | 22.18        | 22.05        | 16QAM         | 1/0            | 23.00                        | 22.06                  | 22.09        | 21.84      |
|              | 1/12           | 23.00                        | 22.28                  | 22.26        | 22.08        |               | 1/24           | 23.00                        | 22.10                  | 22.09        | 21.89      |
|              | 1/24           | 23.00                        | 22.16                  | 22.15        | 21.99        |               | 1/49           | 23.00                        | 22.07                  | 22.07        | 21.84      |
|              | 12/0           | 22.00                        | 20.87                  | 20.80        | 20.70        |               | 25/0           | 22.00                        | 20.92                  | 20.80        | 20.74      |
|              | 12/6           | 22.00                        | 20.90                  | 20.84        | 20.68        |               | 25/12          | 22.00                        | 20.95                  | 20.92        | 20.74      |
|              | 12/13          | 22.00                        | 20.86                  | 20.80        | 20.67        |               | 25/25          | 22.00                        | 20.90                  | 20.87        | 20.69      |
|              | 25/0           | 22.00                        | 20.95                  | 20.83        | 20.73        |               | 50/0           | 22.00                        | 20.89                  | 20.74        | 20.69      |
| 64QAM        | 1/0            | 22.00                        | 20.68                  | 20.59        | 20.40        | 64QAM         | 1/0            | 22.00                        | 20.61                  | 20.72        | 20.54      |
|              | 1/12           | 22.00                        | 20.75                  | 20.67        | 20.45        |               | 1/24           | 22.00                        | 20.77                  | 20.78        | 20.54      |
|              | 1/24           | 22.00                        | 20.68                  | 20.56        | 20.37        |               | 1/49           | 22.00                        | 20.72                  | 20.60        | 20.49      |
|              | 12/0           | 21.00                        | 19.58                  | 19.47        | 19.36        |               | 25/0           | 21.00                        | 19.52                  | 19.48        | 19.31      |
|              | 12/6           | 21.00                        | 19.62                  | 19.50        | 19.35        |               | 25/12          | 21.00                        | 19.56                  | 19.53        | 19.29      |
|              | 12/13          | 21.00                        | 19.52                  | 19.49        | 19.33        |               | 25/25          | 21.00                        | 19.54                  | 19.43        | 19.29      |
|              | 25/0           | 21.00                        | 19.53                  | 19.48        | 19.31        |               | 50/0           | 21.00                        | 19.53                  | 19.46        | 19.30      |
| 256QAM       | 1/0            | 21.00                        | 19.42                  | 19.45        | 19.47        | 256QAM        | 1/0            | 21.00                        | 19.18                  | 19.16        | 19.21      |
|              | 1/12           | 21.00                        | 19.44                  | 19.50        | 19.53        |               | 1/24           | 21.00                        | 19.17                  | 19.20        | 19.24      |
|              | 1/24           | 21.00                        | 19.27                  | 19.31        | 19.33        |               | 1/49           | 21.00                        | 19.07                  | 19.08        | 19.10      |
|              | 12/0           | 20.00                        | 18.81                  | 18.82        | 18.78        |               | 25/0           | 20.00                        | 18.81                  | 18.84        | 18.88      |
|              | 12/6           | 20.00                        | 18.70                  | 18.71        | 18.72        |               | 25/12          | 20.00                        | 18.78                  | 18.82        | 18.85      |
|              | 12/13          | 20.00                        | 18.66                  | 18.68        | 18.74        |               | 25/25          | 20.00                        | 18.71                  | 18.74        | 18.75      |
|              | 25/0           | 20.00                        | 18.79                  | 18.85        | 18.88        |               | 50/0           | 20.00                        | 18.76                  | 18.79        | 18.82      |

| LTE B4/BW=15M |                | Average Conducted Power(dBm) |                        |              |              | LTE B4/BW=20M |                | Average Conducted Power(dBm) |                        |              |            |
|---------------|----------------|------------------------------|------------------------|--------------|--------------|---------------|----------------|------------------------------|------------------------|--------------|------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |            |
|               |                |                              | 20025/1717.5           | 20175/1732.5 | 20325/1747.5 |               |                |                              | 20050/1720             | 20175/1732.5 | 20300/1745 |
| QPSK          | 1/0            | 24.00                        | 22.75                  | 22.67        | 22.61        | QPSK          | 1/0            | 24.00                        | 23.09                  | 22.88        | 22.81      |
|               | 1/37           | 24.00                        | 22.73                  | 22.64        | 22.49        |               | 1/50           | 24.00                        | 22.96                  | 22.84        | 22.72      |
|               | 1/74           | 24.00                        | 22.73                  | 22.64        | 22.47        |               | 1/99           | 24.00                        | 22.92                  | 22.75        | 22.71      |
|               | 36/0           | 23.00                        | 21.75                  | 21.68        | 21.71        |               | 50/0           | 23.00                        | 22.01                  | 21.92        | 21.81      |
|               | 36/19          | 23.00                        | 21.81                  | 21.66        | 21.65        |               | 50/25          | 23.00                        | 21.99                  | 21.94        | 21.91      |
|               | 36/39          | 23.00                        | 21.76                  | 21.71        | 21.61        |               | 50/50          | 23.00                        | 21.96                  | 21.93        | 21.83      |
|               | 75/0           | 23.00                        | 21.81                  | 21.67        | 21.65        |               | 100/0          | 23.00                        | 21.74                  | 21.63        | 21.58      |
| 16QAM         | 1/0            | 23.00                        | 22.06                  | 21.90        | 22.05        | 16QAM         | 1/0            | 23.00                        | 22.04                  | 21.90        | 21.79      |
|               | 1/37           | 23.00                        | 22.00                  | 21.90        | 21.90        |               | 1/50           | 23.00                        | 21.97                  | 21.95        | 21.63      |
|               | 1/74           | 23.00                        | 21.90                  | 21.84        | 21.88        |               | 1/99           | 23.00                        | 21.98                  | 21.98        | 21.67      |
|               | 36/0           | 22.00                        | 20.65                  | 20.65        | 20.62        |               | 50/0           | 22.00                        | 20.72                  | 20.61        | 20.59      |
|               | 36/19          | 22.00                        | 20.72                  | 20.61        | 20.55        |               | 50/25          | 22.00                        | 20.73                  | 20.60        | 20.52      |
|               | 36/39          | 22.00                        | 20.67                  | 20.66        | 20.53        |               | 50/50          | 22.00                        | 20.65                  | 20.55        | 20.50      |
|               | 75/0           | 22.00                        | 20.72                  | 20.59        | 20.56        |               | 100/0          | 22.00                        | 20.69                  | 20.58        | 20.51      |
| 64QAM         | 1/0            | 22.00                        | 20.04                  | 20.51        | 20.31        | 64QAM         | 1/0            | 22.00                        | 20.12                  | 20.49        | 20.42      |
|               | 1/37           | 22.00                        | 20.52                  | 20.44        | 20.22        |               | 1/50           | 22.00                        | 20.57                  | 20.41        | 20.23      |
|               | 1/74           | 22.00                        | 20.39                  | 20.39        | 20.23        |               | 1/99           | 22.00                        | 20.47                  | 20.33        | 20.22      |
|               | 36/0           | 21.00                        | 19.39                  | 19.29        | 19.24        |               | 50/0           | 21.00                        | 19.30                  | 19.34        | 19.26      |
|               | 36/19          | 21.00                        | 19.39                  | 19.28        | 19.19        |               | 50/25          | 21.00                        | 19.41                  | 19.30        | 19.24      |
|               | 36/39          | 21.00                        | 19.38                  | 19.25        | 19.08        |               | 50/50          | 21.00                        | 19.37                  | 19.25        | 19.11      |
|               | 75/0           | 21.00                        | 19.37                  | 19.28        | 19.20        |               | 100/0          | 21.00                        | 19.38                  | 19.28        | 19.24      |
| 256QAM        | 1/0            | 21.00                        | 19.28                  | 19.30        | 19.35        | 256QAM        | 1/0            | 21.00                        | 19.19                  | 19.19        | 19.17      |
|               | 1/37           | 21.00                        | 19.05                  | 19.12        | 19.13        |               | 1/50           | 21.00                        | 19.16                  | 19.13        | 19.21      |
|               | 1/74           | 21.00                        | 19.13                  | 19.13        | 19.12        |               | 1/99           | 21.00                        | 19.12                  | 19.18        | 19.11      |
|               | 36/0           | 20.00                        | 18.64                  | 18.67        | 18.71        |               | 50/0           | 20.00                        | 18.57                  | 18.59        | 18.61      |
|               | 36/19          | 20.00                        | 18.48                  | 18.52        | 18.49        |               | 50/25          | 20.00                        | 18.51                  | 18.53        | 18.49      |
|               | 36/39          | 20.00                        | 18.54                  | 18.57        | 18.59        |               | 50/50          | 20.00                        | 18.54                  | 18.57        | 18.59      |
|               | 75/0           | 20.00                        | 18.59                  | 18.65        | 18.68        |               | 100/0          | 20.00                        | 18.64                  | 18.66        | 18.68      |

## Ant 1 Hotspot on

| LTE B4/BW=1.4M |                | Average Conducted Power(dBm) |                        |              |              | LTE B4/BW=3M |                | Average Conducted Power(dBm) |                        |              |              |
|----------------|----------------|------------------------------|------------------------|--------------|--------------|--------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              | Modulation   | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|                |                |                              | 19957/1710.7           | 20175/1732.5 | 20393/1754.3 |              |                |                              | 19965/1711.5           | 20175/1732.5 | 20385/1753.5 |
| QPSK           | 1/0            | 23.50                        | 22.73                  | 22.57        | 22.40        | QPSK         | 1/0            | 23.50                        | 22.69                  | 22.58        | 22.43        |
|                | 1/2            | 23.50                        | 22.76                  | 22.60        | 22.45        |              | 1/7            | 23.50                        | 22.72                  | 22.62        | 22.51        |
|                | 1/5            | 23.50                        | 22.73                  | 22.58        | 22.41        |              | 1/14           | 23.50                        | 22.66                  | 22.55        | 22.45        |
|                | 3/0            | 23.50                        | 22.67                  | 22.57        | 22.41        |              | 8/0            | 22.50                        | 22.18                  | 22.08        | 21.94        |
|                | 3/1            | 23.50                        | 22.70                  | 22.58        | 22.44        |              | 8/3            | 22.50                        | 22.22                  | 22.09        | 21.98        |
|                | 3/3            | 23.50                        | 22.69                  | 22.57        | 22.43        |              | 8/7            | 22.50                        | 22.18                  | 22.07        | 21.95        |
|                | 6/0            | 22.50                        | 22.19                  | 22.05        | 21.90        |              | 15/0           | 22.50                        | 22.17                  | 22.06        | 21.91        |
| 16QAM          | 1/0            | 22.50                        | 22.44                  | 22.17        | 22.21        | 16QAM        | 1/0            | 22.50                        | 22.49                  | 22.34        | 22.18        |
|                | 1/2            | 22.50                        | 22.43                  | 22.24        | 22.19        |              | 1/7            | 22.50                        | 22.42                  | 22.43        | 22.22        |
|                | 1/5            | 22.50                        | 22.42                  | 22.20        | 22.17        |              | 1/14           | 22.50                        | 22.47                  | 22.37        | 22.12        |
|                | 3/0            | 22.50                        | 22.17                  | 22.18        | 22.09        |              | 8/0            | 21.50                        | 21.22                  | 21.12        | 20.97        |
|                | 3/1            | 22.50                        | 22.24                  | 22.14        | 22.03        |              | 8/3            | 21.50                        | 21.22                  | 21.11        | 21.00        |
|                | 3/3            | 22.50                        | 22.21                  | 22.16        | 22.03        |              | 8/7            | 21.50                        | 21.18                  | 21.13        | 20.99        |
|                | 6/0            | 21.50                        | 21.21                  | 21.10        | 20.88        |              | 15/0           | 21.50                        | 21.11                  | 21.08        | 20.94        |
| 64QAM          | 1/0            | 21.50                        | 20.63                  | 20.90        | 21.10        | 64QAM        | 1/0            | 21.50                        | 21.22                  | 21.03        | 21.03        |
|                | 1/2            | 21.50                        | 20.71                  | 20.69        | 20.77        |              | 1/7            | 21.50                        | 21.07                  | 21.04        | 21.05        |
|                | 1/5            | 21.50                        | 21.04                  | 21.07        | 21.04        |              | 1/14           | 21.50                        | 20.90                  | 20.78        | 20.91        |
|                | 3/0            | 21.50                        | 21.01                  | 21.11        | 20.98        |              | 8/0            | 20.50                        | 20.06                  | 20.11        | 20.11        |
|                | 3/1            | 21.50                        | 20.87                  | 20.97        | 20.96        |              | 8/3            | 20.50                        | 20.10                  | 20.08        | 20.09        |
|                | 3/3            | 21.50                        | 20.73                  | 20.76        | 20.80        |              | 8/7            | 20.50                        | 20.13                  | 20.04        | 19.98        |
|                | 6/0            | 20.50                        | 20.01                  | 19.89        | 19.99        |              | 15/0           | 20.50                        | 20.13                  | 20.10        | 19.96        |
| 256QAM         | 1/0            | 20.50                        | 18.88                  | 18.65        | 18.97        | 256QAM       | 1/0            | 20.50                        | 18.83                  | 18.84        | 18.77        |
|                | 1/2            | 20.50                        | 18.71                  | 18.74        | 18.67        |              | 1/7            | 20.50                        | 19.13                  | 19.06        | 19.16        |
|                | 1/5            | 20.50                        | 18.85                  | 18.71        | 18.78        |              | 1/14           | 20.50                        | 18.85                  | 18.80        | 18.85        |
|                | 3/0            | 20.50                        | 18.95                  | 18.89        | 18.82        |              | 8/0            | 19.50                        | 18.06                  | 18.14        | 18.07        |
|                | 3/1            | 20.50                        | 18.74                  | 18.72        | 18.70        |              | 8/3            | 19.50                        | 18.23                  | 18.22        | 18.19        |
|                | 3/3            | 20.50                        | 18.71                  | 18.71        | 18.65        |              | 8/7            | 19.50                        | 18.03                  | 18.14        | 18.09        |
|                | 6/0            | 19.50                        | 18.01                  | 17.85        | 17.77        |              | 15/0           | 19.50                        | 17.94                  | 17.93        | 17.95        |

| LTE B4/BW=5M |                | Average Conducted Power(dBm) |                        |              |              | LTE B4/BW=10M |                | Average Conducted Power(dBm) |                        |              |            |
|--------------|----------------|------------------------------|------------------------|--------------|--------------|---------------|----------------|------------------------------|------------------------|--------------|------------|
| Modulation   | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |            |
|              |                |                              | 19975/1712.5           | 20175/1732.5 | 20375/1752.5 |               |                |                              | 20000/1715             | 20175/1732.5 | 20350/1750 |
| QPSK         | 1/0            | 23.50                        | 22.47                  | 22.46        | 22.33        | QPSK          | 1/0            | 23.50                        | 22.71                  | 22.57        | 22.47      |
|              | 1/12           | 23.50                        | 22.38                  | 21.99        | 22.27        |               | 1/24           | 23.50                        | 22.68                  | 22.62        | 22.53      |
|              | 1/24           | 23.50                        | 22.42                  | 22.42        | 22.27        |               | 1/49           | 23.50                        | 22.67                  | 22.57        | 22.46      |
|              | 12/0           | 22.50                        | 22.14                  | 22.10        | 21.93        |               | 25/0           | 22.50                        | 22.10                  | 21.99        | 21.85      |
|              | 12/6           | 22.50                        | 22.17                  | 22.09        | 21.95        |               | 25/12          | 22.50                        | 22.13                  | 22.09        | 21.96      |
|              | 12/13          | 22.50                        | 22.15                  | 22.05        | 21.96        |               | 25/25          | 22.50                        | 22.13                  | 22.07        | 21.93      |
|              | 25/0           | 22.50                        | 22.13                  | 22.07        | 21.91        |               | 50/0           | 22.50                        | 22.12                  | 22.09        | 21.85      |
| 16QAM        | 1/0            | 22.50                        | 22.47                  | 22.43        | 22.27        | 16QAM         | 1/0            | 22.50                        | 22.46                  | 22.32        | 22.15      |
|              | 1/12           | 22.50                        | 22.35                  | 22.30        | 22.33        |               | 1/24           | 22.50                        | 22.45                  | 22.42        | 22.20      |
|              | 1/24           | 22.50                        | 22.41                  | 22.46        | 22.29        |               | 1/49           | 22.50                        | 22.43                  | 22.31        | 22.15      |
|              | 12/0           | 21.50                        | 21.10                  | 21.12        | 20.99        |               | 25/0           | 21.50                        | 21.14                  | 21.07        | 20.87      |
|              | 12/6           | 21.50                        | 21.10                  | 21.14        | 21.03        |               | 25/12          | 21.50                        | 21.16                  | 21.15        | 21.01      |
|              | 12/13          | 21.50                        | 21.11                  | 21.15        | 21.02        |               | 25/25          | 21.50                        | 21.18                  | 21.14        | 20.99      |
|              | 25/0           | 21.50                        | 21.08                  | 21.08        | 20.94        |               | 50/0           | 21.50                        | 21.14                  | 21.12        | 20.85      |
| 64QAM        | 1/0            | 21.50                        | 20.91                  | 21.01        | 20.68        | 64QAM         | 1/0            | 21.50                        | 20.85                  | 20.65        | 20.62      |
|              | 1/12           | 21.50                        | 20.69                  | 20.76        | 20.65        |               | 1/24           | 21.50                        | 20.70                  | 20.76        | 20.66      |
|              | 1/24           | 21.50                        | 20.85                  | 20.77        | 20.87        |               | 1/49           | 21.50                        | 20.84                  | 20.83        | 20.88      |
|              | 12/0           | 20.50                        | 19.82                  | 19.84        | 19.77        |               | 25/0           | 20.50                        | 19.74                  | 19.76        | 19.84      |
|              | 12/6           | 20.50                        | 19.94                  | 19.89        | 19.99        |               | 25/12          | 20.50                        | 19.84                  | 19.86        | 19.74      |
|              | 12/13          | 20.50                        | 19.78                  | 19.75        | 19.75        |               | 25/25          | 20.50                        | 19.75                  | 19.72        | 19.65      |
|              | 25/0           | 20.50                        | 19.84                  | 19.78        | 19.69        |               | 50/0           | 20.50                        | 19.85                  | 19.74        | 19.54      |
| 256QAM       | 1/0            | 20.50                        | 18.78                  | 18.77        | 18.74        | 256QAM        | 1/0            | 20.50                        | 18.76                  | 18.85        | 18.69      |
|              | 1/12           | 20.50                        | 18.53                  | 18.64        | 18.58        |               | 1/24           | 20.50                        | 18.69                  | 18.67        | 18.78      |
|              | 1/24           | 20.50                        | 18.81                  | 18.70        | 18.81        |               | 1/49           | 20.50                        | 18.83                  | 18.76        | 18.76      |
|              | 12/0           | 19.50                        | 17.91                  | 17.94        | 17.88        |               | 25/0           | 19.50                        | 17.71                  | 17.70        | 17.73      |
|              | 12/6           | 19.50                        | 17.85                  | 17.90        | 17.78        |               | 25/12          | 19.50                        | 17.80                  | 17.91        | 17.80      |
|              | 12/13          | 19.50                        | 17.84                  | 17.95        | 17.95        |               | 25/25          | 19.50                        | 17.75                  | 17.85        | 17.76      |
|              | 25/0           | 19.50                        | 18.02                  | 17.94        | 17.91        |               | 50/0           | 19.50                        | 18.09                  | 17.92        | 17.85      |

| LTE B4/BW=15M |                | Average Conducted Power(dBm) |                        |              |              | LTE B4/BW=20M |                | Average Conducted Power(dBm) |                        |              |              |
|---------------|----------------|------------------------------|------------------------|--------------|--------------|---------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|               |                |                              | 20025/1717.5           | 20175/1732.5 | 20325/1747.5 |               |                |                              | 20050/1720             | 20175/1732.5 | 20300/1745   |
| QPSK          | 1/0            | 23.50                        | 22.57                  | 22.38        | 22.24        | QPSK          | 1/0            | 23.50                        | <b>22.79</b>           | <b>22.61</b> | <b>22.50</b> |
|               | 1/37           | 23.50                        | 22.42                  | 22.34        | 22.23        |               | 1/50           | 23.50                        | 22.69                  | 22.54        | 22.46        |
|               | 1/74           | 23.50                        | 22.44                  | 22.38        | 22.25        |               | 1/99           | 23.50                        | 22.69                  | 22.53        | 22.43        |
|               | 36/0           | 22.50                        | 22.08                  | 22.38        | 21.84        |               | 50/0           | 22.50                        | <b>22.04</b>           | 21.98        | 21.88        |
|               | 36/19          | 22.50                        | 22.04                  | 21.97        | 21.83        |               | 50/25          | 22.50                        | 22.02                  | 21.90        | 21.78        |
|               | 36/39          | 22.50                        | 22.01                  | 21.96        | 21.90        |               | 50/50          | 22.50                        | 21.99                  | 21.94        | 21.83        |
|               | 75/0           | 22.50                        | 22.04                  | 22.00        | 21.85        |               | 100/0          | 22.50                        | 22.02                  | 21.97        | 21.85        |
| 16QAM         | 1/0            | 22.50                        | 22.34                  | 22.23        | 22.25        | 16QAM         | 1/0            | 22.50                        | 22.38                  | 22.34        | 22.07        |
|               | 1/37           | 22.50                        | 22.25                  | 22.17        | 22.24        |               | 1/50           | 22.50                        | 22.28                  | 21.01        | 22.07        |
|               | 1/74           | 22.50                        | 22.37                  | 22.13        | 22.28        |               | 1/99           | 22.50                        | 22.31                  | 22.24        | 22.00        |
|               | 36/0           | 21.50                        | 21.00                  | 21.13        | 20.84        |               | 50/0           | 21.50                        | 21.01                  | 20.89        | 20.80        |
|               | 36/19          | 21.50                        | 21.02                  | 20.99        | 20.78        |               | 50/25          | 21.50                        | 21.01                  | 20.98        | 20.88        |
|               | 36/39          | 21.50                        | 21.04                  | 20.97        | 20.83        |               | 50/50          | 21.50                        | 21.01                  | 20.92        | 20.82        |
|               | 75/0           | 21.50                        | 21.02                  | 20.98        | 20.75        |               | 100/0          | 21.50                        | 21.01                  | 20.95        | 20.83        |
| 64QAM         | 1/0            | 21.50                        | 20.58                  | 20.63        | 20.68        | 64QAM         | 1/0            | 21.50                        | 20.81                  | 20.79        | 20.89        |
|               | 1/37           | 21.50                        | 20.43                  | 20.43        | 20.41        |               | 1/50           | 21.50                        | 20.64                  | 20.61        | 20.65        |
|               | 1/74           | 21.50                        | 20.65                  | 20.68        | 20.65        |               | 1/99           | 21.50                        | 20.99                  | 20.90        | 20.91        |
|               | 36/0           | 20.50                        | 19.65                  | 19.64        | 19.67        |               | 50/0           | 20.50                        | 19.80                  | 19.89        | 19.85        |
|               | 36/19          | 20.50                        | 19.74                  | 19.69        | 19.65        |               | 50/25          | 20.50                        | 19.89                  | 19.88        | 19.89        |
|               | 36/39          | 20.50                        | 19.54                  | 19.57        | 19.64        |               | 50/50          | 20.50                        | 19.87                  | 19.78        | 19.80        |
|               | 75/0           | 20.50                        | 19.69                  | 19.72        | 19.53        |               | 100/0          | 20.50                        | 19.92                  | 19.85        | 19.68        |
| 256QAM        | 1/0            | 20.50                        | 18.95                  | 18.95        | 18.81        | 256QAM        | 1/0            | 20.50                        | 19.05                  | 18.91        | 18.86        |
|               | 1/37           | 20.50                        | 19.00                  | 18.98        | 18.98        |               | 1/50           | 20.50                        | 18.85                  | 18.87        | 18.89        |
|               | 1/74           | 20.50                        | 19.06                  | 19.17        | 19.18        |               | 1/99           | 20.50                        | 19.10                  | 19.02        | 19.08        |
|               | 36/0           | 19.50                        | 17.82                  | 17.85        | 17.77        |               | 50/0           | 19.50                        | 17.77                  | 17.85        | 17.90        |
|               | 36/19          | 19.50                        | 17.93                  | 17.97        | 17.90        |               | 50/25          | 19.50                        | 17.88                  | 17.96        | 17.94        |
|               | 36/39          | 19.50                        | 17.81                  | 17.81        | 17.86        |               | 50/50          | 19.50                        | 17.93                  | 17.84        | 17.82        |
|               | 75/0           | 19.50                        | 17.84                  | 17.75        | 17.65        |               | 100/0          | 19.50                        | 17.78                  | 17.78        | 17.82        |

Note: The tested channel results are marks in bold.

## 8. Conducted power measurement results of LTE B5

Ant 0\_Receiver on &amp; Sensor off &amp; Hotspot on

| LTE B5/BW=1.4M |                | Average Conducted Power(dBm) |                        |             |             | LTE B5/BW=3M |                | Average Conducted Power(dBm) |                        |             |             |
|----------------|----------------|------------------------------|------------------------|-------------|-------------|--------------|----------------|------------------------------|------------------------|-------------|-------------|
| Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |             |             | Modulation   | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |             |             |
|                |                |                              | 20407/824.7            | 20525/836.5 | 20643/848.3 |              |                |                              | 20415/825.5            | 20525/836.5 | 20635/847.5 |
| QPSK           | 1/0            | 24.00                        | 22.96                  | 22.83       | 22.76       | QPSK         | 1/0            | 24.00                        | 22.91                  | 22.83       | 22.81       |
|                | 1/2            | 24.00                        | 22.96                  | 22.91       | 22.82       |              | 1/7            | 24.00                        | 22.86                  | 22.91       | 22.88       |
|                | 1/5            | 24.00                        | 22.97                  | 22.87       | 22.76       |              | 1/14           | 24.00                        | 22.90                  | 22.81       | 22.71       |
|                | 3/0            | 24.00                        | 22.98                  | 22.88       | 22.79       |              | 8/0            | 23.00                        | 21.99                  | 22.29       | 22.34       |
|                | 3/1            | 24.00                        | 22.97                  | 22.88       | 22.79       |              | 8/3            | 23.00                        | 22.05                  | 22.36       | 22.35       |
|                | 3/3            | 24.00                        | 22.94                  | 22.88       | 22.84       |              | 8/7            | 23.00                        | 21.98                  | 22.37       | 22.30       |
|                | 6/0            | 23.00                        | 21.95                  | 22.27       | 22.24       |              | 15/0           | 23.00                        | 22.02                  | 22.33       | 22.33       |
| 16QAM          | 1/0            | 23.00                        | 22.25                  | 22.50       | 22.51       | 16QAM        | 1/0            | 23.00                        | 22.21                  | 22.72       | 22.65       |
|                | 1/2            | 23.00                        | 22.25                  | 22.59       | 22.45       |              | 1/7            | 23.00                        | 22.33                  | 22.81       | 22.65       |
|                | 1/5            | 23.00                        | 22.20                  | 22.54       | 22.53       |              | 1/14           | 23.00                        | 22.15                  | 22.73       | 22.57       |
|                | 3/0            | 23.00                        | 22.14                  | 22.44       | 22.40       |              | 8/0            | 22.00                        | 21.05                  | 21.39       | 21.41       |
|                | 3/1            | 23.00                        | 22.15                  | 22.52       | 22.41       |              | 8/3            | 22.00                        | 21.06                  | 21.39       | 21.46       |
|                | 3/3            | 23.00                        | 22.13                  | 22.47       | 22.38       |              | 8/7            | 22.00                        | 21.05                  | 21.48       | 21.40       |
|                | 6/0            | 22.00                        | 21.11                  | 21.36       | 21.37       |              | 15/0           | 22.00                        | 21.06                  | 21.35       | 21.38       |
| 64QAM          | 1/0            | 22.00                        | 21.03                  | 21.32       | 21.20       | 64QAM        | 1/0            | 22.00                        | 21.08                  | 21.40       | 21.31       |
|                | 1/2            | 22.00                        | 21.05                  | 21.45       | 21.34       |              | 1/7            | 22.00                        | 21.10                  | 21.50       | 21.34       |
|                | 1/5            | 22.00                        | 20.98                  | 21.41       | 21.17       |              | 1/14           | 22.00                        | 21.08                  | 21.39       | 21.25       |
|                | 3/0            | 22.00                        | 20.96                  | 21.36       | 21.22       |              | 8/0            | 21.00                        | 19.90                  | 20.23       | 20.20       |
|                | 3/1            | 22.00                        | 21.02                  | 21.37       | 21.22       |              | 8/3            | 21.00                        | 20.04                  | 20.27       | 20.22       |
|                | 3/3            | 22.00                        | 20.92                  | 21.30       | 21.21       |              | 8/7            | 21.00                        | 19.86                  | 20.29       | 20.21       |
|                | 6/0            | 21.00                        | 19.95                  | 20.19       | 20.10       |              | 15/0           | 21.00                        | 19.92                  | 20.24       | 20.22       |
| 256QAM         | 1/0            | 21.00                        | 19.43                  | 19.54       | 19.63       | 256QAM       | 1/0            | 21.00                        | 19.28                  | 19.20       | 19.23       |
|                | 1/2            | 21.00                        | 19.72                  | 19.73       | 19.71       |              | 1/7            | 21.00                        | 19.25                  | 19.28       | 19.17       |
|                | 1/5            | 21.00                        | 19.29                  | 19.52       | 19.53       |              | 1/14           | 21.00                        | 19.19                  | 19.23       | 19.26       |
|                | 3/0            | 21.00                        | 19.65                  | 19.53       | 19.60       |              | 8/0            | 20.00                        | 18.14                  | 18.17       | 18.21       |
|                | 3/1            | 21.00                        | 19.63                  | 19.70       | 19.75       |              | 8/3            | 20.00                        | 18.25                  | 18.28       | 18.31       |
|                | 3/3            | 21.00                        | 19.61                  | 19.73       | 19.71       |              | 8/7            | 20.00                        | 18.12                  | 18.16       | 18.17       |
|                | 6/0            | 20.00                        | 18.04                  | 18.07       | 18.13       |              | 15/0           | 20.00                        | 18.21                  | 18.23       | 18.32       |

| LTE B5/BW=5M |                | Average Conducted Power(dBm) |                        |             |             | LTE B5/BW=10M |                | Average Conducted Power(dBm) |                        |              |              |
|--------------|----------------|------------------------------|------------------------|-------------|-------------|---------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation   | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |             |             | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|              |                |                              | 20425/826.5            | 20525/836.5 | 20625/846.5 |               |                |                              | 20450/829              | 20525/836.5  | 20600/844    |
| QPSK         | 1/0            | 24.00                        | 22.96                  | 22.95       | 22.71       | QPSK          | 1/0            | 24.00                        | <b>23.01</b>           | <b>22.92</b> | <b>22.80</b> |
|              | 1/12           | 24.00                        | 22.97                  | 22.83       | 22.75       |               | 1/24           | 24.00                        | 22.97                  | 22.95        | 22.75        |
|              | 1/24           | 24.00                        | 22.89                  | 22.62       | 22.82       |               | 1/49           | 24.00                        | 22.88                  | 22.77        | 22.61        |
|              | 12/0           | 23.00                        | 22.03                  | 22.30       | 22.30       |               | 25/0           | 23.00                        | 22.35                  | 22.27        | 22.27        |
|              | 12/6           | 23.00                        | 22.04                  | 22.37       | 22.28       |               | 25/12          | 23.00                        | <b>22.46</b>           | 22.27        | 22.26        |
|              | 12/13          | 23.00                        | 22.00                  | 22.38       | 22.30       |               | 25/25          | 23.00                        | 22.34                  | 22.22        | 22.16        |
|              | 25/0           | 23.00                        | 22.03                  | 22.31       | 22.27       |               | 50/0           | 23.00                        | 21.97                  | 21.85        | 21.73        |
| 16QAM        | 1/0            | 23.00                        | 22.34                  | 22.70       | 22.74       | 16QAM         | 1/0            | 23.00                        | 22.32                  | 22.56        | 22.53        |
|              | 1/12           | 23.00                        | 22.28                  | 22.83       | 22.70       |               | 1/24           | 23.00                        | 22.40                  | 22.74        | 22.61        |
|              | 1/24           | 23.00                        | 22.34                  | 22.76       | 22.72       |               | 1/49           | 23.00                        | 22.45                  | 22.57        | 22.46        |
|              | 12/0           | 22.00                        | 20.97                  | 21.41       | 21.31       |               | 25/0           | 22.00                        | 21.06                  | 21.29        | 21.36        |
|              | 12/6           | 22.00                        | 21.01                  | 21.46       | 21.34       |               | 25/12          | 22.00                        | 21.21                  | 21.39        | 21.38        |
|              | 12/13          | 22.00                        | 20.98                  | 21.49       | 21.36       |               | 25/25          | 22.00                        | 21.27                  | 21.47        | 21.33        |
|              | 25/0           | 22.00                        | 21.02                  | 21.38       | 21.31       |               | 50/0           | 22.00                        | 21.16                  | 21.35        | 21.34        |
| 64QAM        | 1/0            | 22.00                        | 21.12                  | 21.34       | 21.22       | 64QAM         | 1/0            | 22.00                        | 21.11                  | 21.36        | 21.50        |
|              | 1/12           | 22.00                        | 21.14                  | 21.53       | 21.24       |               | 1/24           | 22.00                        | 21.18                  | 21.52        | 21.43        |
|              | 1/24           | 22.00                        | 21.10                  | 21.42       | 21.17       |               | 1/49           | 22.00                        | 21.28                  | 21.41        | 21.35        |
|              | 12/0           | 21.00                        | 19.96                  | 20.22       | 20.17       |               | 25/0           | 21.00                        | 19.97                  | 20.21        | 20.22        |
|              | 12/6           | 21.00                        | 19.98                  | 20.28       | 20.14       |               | 25/12          | 21.00                        | 20.07                  | 20.22        | 20.26        |
|              | 12/13          | 21.00                        | 19.94                  | 20.34       | 20.18       |               | 25/25          | 21.00                        | 20.07                  | 20.33        | 20.18        |
|              | 25/0           | 21.00                        | 19.94                  | 20.24       | 20.13       |               | 50/0           | 21.00                        | 20.03                  | 20.24        | 20.15        |
| 256QAM       | 1/0            | 21.00                        | 19.31                  | 19.32       | 19.33       | 256QAM        | 1/0            | 21.00                        | 19.15                  | 19.25        | 19.14        |
|              | 1/12           | 21.00                        | 19.45                  | 19.50       | 19.52       |               | 1/24           | 21.00                        | 19.39                  | 19.22        | 19.20        |
|              | 1/24           | 21.00                        | 19.16                  | 19.27       | 19.21       |               | 1/49           | 21.00                        | 19.14                  | 19.16        | 19.19        |
|              | 12/0           | 20.00                        | 18.20                  | 18.23       | 18.25       |               | 25/0           | 20.00                        | 18.12                  | 18.16        | 18.15        |
|              | 12/6           | 20.00                        | 18.15                  | 18.19       | 18.23       |               | 25/12          | 20.00                        | 18.16                  | 18.21        | 18.19        |
|              | 12/13          | 20.00                        | 18.26                  | 18.25       | 18.27       |               | 25/25          | 20.00                        | 18.26                  | 18.30        | 18.28        |
|              | 25/0           | 20.00                        | 18.14                  | 18.16       | 18.18       |               | 50/0           | 20.00                        | 18.17                  | 18.19        | 18.23        |

Note: The tested channel results are marks in bold.

## 9. Conducted power measurement results of LTE B7

Ant 1\_Receiver on & Sensor off

| LTE B7/BW=5M |                | Average Conducted Power(dBm) |                        |            |              | LTE B7/BW=10M |                | Average Conducted Power(dBm) |                        |            |            |
|--------------|----------------|------------------------------|------------------------|------------|--------------|---------------|----------------|------------------------------|------------------------|------------|------------|
| Modulation   | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |            |
|              |                |                              | 20775/2502.5           | 21100/2535 | 21425/2567.5 |               |                |                              | 20800/2505             | 21100/2535 | 21400/2565 |
| QPSK         | 1/0            | 23.00                        | 21.78                  | 21.85      | 22.11        | QPSK          | 1/0            | 23.00                        | 21.96                  | 22.07      | 22.16      |
|              | 1/12           | 23.00                        | 21.90                  | 21.96      | 22.11        |               | 1/24           | 23.00                        | 22.00                  | 22.05      | 22.30      |
|              | 1/24           | 23.00                        | 21.85                  | 21.94      | 22.15        |               | 1/49           | 23.00                        | 21.98                  | 22.12      | 22.28      |
|              | 12/0           | 22.00                        | 21.67                  | 21.76      | 21.70        |               | 25/0           | 22.00                        | 21.71                  | 21.79      | 21.79      |
|              | 12/6           | 22.00                        | 21.75                  | 21.82      | 21.82        |               | 25/12          | 22.00                        | 21.68                  | 21.84      | 21.81      |
|              | 12/13          | 22.00                        | 21.73                  | 21.82      | 21.81        |               | 25/25          | 22.00                        | 21.66                  | 21.86      | 21.73      |
|              | 25/0           | 22.00                        | 21.72                  | 21.79      | 21.72        |               | 50/0           | 22.00                        | 21.64                  | 21.79      | 21.67      |
| 16QAM        | 1/0            | 22.00                        | 21.68                  | 21.73      | 21.58        | 16QAM         | 1/0            | 22.00                        | 21.66                  | 21.75      | 21.79      |
|              | 1/12           | 22.00                        | 21.75                  | 21.80      | 21.71        |               | 1/24           | 22.00                        | 21.75                  | 21.80      | 21.66      |
|              | 1/24           | 22.00                        | 21.73                  | 21.79      | 21.70        |               | 1/49           | 22.00                        | 21.72                  | 21.83      | 21.90      |
|              | 12/0           | 21.00                        | 20.69                  | 20.76      | 20.73        |               | 25/0           | 21.00                        | 20.76                  | 20.81      | 20.62      |
|              | 12/6           | 21.00                        | 20.75                  | 20.86      | 20.78        |               | 25/12          | 21.00                        | 20.74                  | 20.85      | 20.73      |
|              | 12/13          | 21.00                        | 20.70                  | 20.82      | 20.87        |               | 25/25          | 21.00                        | 20.69                  | 20.81      | 20.69      |
|              | 25/0           | 21.00                        | 20.70                  | 20.86      | 20.78        |               | 50/0           | 21.00                        | 20.62                  | 20.82      | 20.72      |
| 64QAM        | 1/0            | 21.00                        | 20.54                  | 20.65      | 20.57        | 64QAM         | 1/0            | 21.00                        | 20.82                  | 20.78      | 20.73      |
|              | 1/12           | 21.00                        | 20.68                  | 20.75      | 20.61        |               | 1/24           | 21.00                        | 20.58                  | 20.63      | 20.58      |
|              | 1/24           | 21.00                        | 20.71                  | 20.86      | 20.71        |               | 1/49           | 21.00                        | 20.51                  | 20.50      | 20.65      |
|              | 12/0           | 20.00                        | 19.71                  | 19.77      | 19.64        |               | 25/0           | 20.00                        | 19.78                  | 19.74      | 19.70      |
|              | 12/6           | 20.00                        | 19.65                  | 19.83      | 19.70        |               | 25/12          | 20.00                        | 19.79                  | 19.79      | 19.74      |
|              | 12/13          | 20.00                        | 19.72                  | 19.78      | 19.60        |               | 25/25          | 20.00                        | 19.86                  | 19.76      | 19.80      |
|              | 25/0           | 20.00                        | 19.58                  | 19.78      | 19.68        |               | 50/0           | 20.00                        | 19.62                  | 19.93      | 19.85      |
| 256QAM       | 1/0            | 20.00                        | 18.59                  | 18.65      | 18.57        | 256QAM        | 1/0            | 20.00                        | 18.56                  | 18.70      | 18.55      |
|              | 1/12           | 20.00                        | 18.47                  | 18.57      | 18.73        |               | 1/24           | 20.00                        | 18.64                  | 18.46      | 18.64      |
|              | 1/24           | 20.00                        | 18.35                  | 18.50      | 18.54        |               | 1/49           | 20.00                        | 18.81                  | 18.74      | 18.80      |
|              | 12/0           | 19.00                        | 17.88                  | 17.92      | 18.05        |               | 25/0           | 19.00                        | 18.01                  | 17.79      | 17.92      |
|              | 12/6           | 19.00                        | 17.75                  | 17.90      | 18.02        |               | 25/12          | 19.00                        | 18.16                  | 18.04      | 18.22      |
|              | 12/13          | 19.00                        | 17.93                  | 17.98      | 18.13        |               | 25/25          | 19.00                        | 18.07                  | 18.13      | 18.13      |
|              | 25/0           | 19.00                        | 17.58                  | 17.96      | 17.91        |               | 50/0           | 19.00                        | 17.64                  | 17.89      | 17.88      |

| LTE B7/BW=15M |                | Average Conducted Power(dBm) |                        |            |              | LTE B7/BW=20M |                | Average Conducted Power(dBm) |                        |            |            |
|---------------|----------------|------------------------------|------------------------|------------|--------------|---------------|----------------|------------------------------|------------------------|------------|------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |            |
|               |                |                              | 20825/2507.5           | 21100/2535 | 21375/2562.5 |               |                |                              | 20850/2510             | 21100/2535 | 21350/2560 |
|               |                |                              |                        |            |              |               |                |                              |                        |            |            |
| QPSK          | 1/0            | 23.00                        | 21.80                  | 21.80      | 22.05        | QPSK          | 1/0            | 23.00                        | 22.11                  | 22.15      | 22.48      |
|               | 1/37           | 23.00                        | 21.95                  | 21.86      | 22.05        |               | 1/50           | 23.00                        | 22.07                  | 22.12      | 22.45      |
|               | 1/74           | 23.00                        | 21.85                  | 21.89      | 22.12        |               | 1/99           | 23.00                        | 21.97                  | 22.12      | 22.35      |
|               | 36/0           | 22.00                        | 21.59                  | 21.64      | 21.75        |               | 50/0           | 22.00                        | 21.55                  | 21.64      | 21.87      |
|               | 36/19          | 22.00                        | 21.65                  | 21.70      | 21.76        |               | 50/25          | 22.00                        | 21.52                  | 21.66      | 21.85      |
|               | 36/39          | 22.00                        | 21.60                  | 21.69      | 21.90        |               | 50/50          | 22.00                        | 21.52                  | 21.68      | 21.80      |
|               | 75/0           | 22.00                        | 21.66                  | 21.72      | 21.81        |               | 100/0          | 22.00                        | 21.50                  | 21.66      | 21.85      |
| 16QAM         | 1/0            | 22.00                        | 21.47                  | 21.57      | 21.70        | 16QAM         | 1/0            | 22.00                        | 21.41                  | 21.55      | 21.70      |
|               | 1/37           | 22.00                        | 21.59                  | 21.57      | 21.76        |               | 1/50           | 22.00                        | 21.51                  | 21.57      | 21.74      |
|               | 1/74           | 22.00                        | 21.56                  | 21.60      | 21.78        |               | 1/99           | 22.00                        | 21.53                  | 21.65      | 21.79      |
|               | 36/0           | 21.00                        | 20.56                  | 20.63      | 20.74        |               | 50/0           | 21.00                        | 20.57                  | 20.64      | 20.80      |
|               | 36/19          | 21.00                        | 20.60                  | 20.70      | 20.80        |               | 50/25          | 21.00                        | 20.54                  | 20.69      | 20.85      |
|               | 36/39          | 21.00                        | 20.53                  | 20.71      | 20.86        |               | 50/50          | 21.00                        | 20.49                  | 20.68      | 20.86      |
|               | 75/0           | 21.00                        | 20.64                  | 20.68      | 20.79        |               | 100/0          | 21.00                        | 20.48                  | 20.67      | 20.85      |
| 64QAM         | 1/0            | 21.00                        | 20.54                  | 20.52      | 20.68        | 64QAM         | 1/0            | 21.00                        | 20.54                  | 20.40      | 20.57      |
|               | 1/37           | 21.00                        | 20.56                  | 20.49      | 20.47        |               | 1/50           | 21.00                        | 20.44                  | 20.48      | 20.56      |
|               | 1/74           | 21.00                        | 20.63                  | 20.51      | 20.60        |               | 1/99           | 21.00                        | 20.42                  | 20.51      | 20.42      |
|               | 36/0           | 20.00                        | 19.75                  | 19.75      | 19.67        |               | 50/0           | 20.00                        | 19.57                  | 19.50      | 19.39      |
|               | 36/19          | 20.00                        | 19.65                  | 19.66      | 19.68        |               | 50/25          | 20.00                        | 19.49                  | 19.57      | 19.53      |
|               | 36/39          | 20.00                        | 19.76                  | 19.77      | 19.71        |               | 50/50          | 20.00                        | 19.53                  | 19.66      | 19.60      |
|               | 75/0           | 20.00                        | 19.56                  | 19.80      | 19.63        |               | 100/0          | 20.00                        | 19.57                  | 19.79      | 19.77      |
| 256QAM        | 1/0            | 20.00                        | 18.51                  | 18.51      | 18.40        | 256QAM        | 1/0            | 20.00                        | 18.44                  | 18.58      | 18.49      |
|               | 1/37           | 20.00                        | 18.39                  | 18.52      | 18.41        |               | 1/50           | 20.00                        | 18.53                  | 18.50      | 18.55      |
|               | 1/74           | 20.00                        | 18.47                  | 18.46      | 18.36        |               | 1/99           | 20.00                        | 18.34                  | 18.39      | 18.38      |
|               | 36/0           | 19.00                        | 17.64                  | 17.63      | 17.69        |               | 50/0           | 19.00                        | 17.68                  | 17.58      | 17.56      |
|               | 36/19          | 19.00                        | 17.52                  | 17.62      | 17.55        |               | 50/25          | 19.00                        | 17.71                  | 17.82      | 17.85      |
|               | 36/39          | 19.00                        | 17.58                  | 17.72      | 17.73        |               | 50/50          | 19.00                        | 17.63                  | 17.65      | 17.68      |
|               | 75/0           | 19.00                        | 17.64                  | 17.81      | 17.75        |               | 100/0          | 19.00                        | 17.45                  | 17.74      | 17.90      |

## Ant 1 Sensor off

| LTE B7/BW=5M |                | Average Conducted Power(dBm) |                        |            |              | LTE B7/BW=10M |                | Average Conducted Power(dBm) |                        |            |            |
|--------------|----------------|------------------------------|------------------------|------------|--------------|---------------|----------------|------------------------------|------------------------|------------|------------|
| Modulation   | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |            |
|              |                |                              | 20775/2502.5           | 21100/2535 | 21425/2567.5 |               |                |                              | 20800/2505             | 21100/2535 | 21400/2565 |
| QPSK         | 1/0            | 24.00                        | 22.49                  | 22.41      | 22.57        | QPSK          | 1/0            | 24.00                        | 22.48                  | 22.47      | 22.55      |
|              | 1/12           | 24.00                        | 22.50                  | 22.47      | 22.62        |               | 1/24           | 24.00                        | 22.54                  | 22.55      | 22.60      |
|              | 1/24           | 24.00                        | 22.48                  | 22.44      | 22.60        |               | 1/49           | 24.00                        | 22.52                  | 22.48      | 22.62      |
|              | 12/0           | 23.00                        | 21.53                  | 21.45      | 21.58        |               | 25/0           | 23.00                        | 21.50                  | 21.50      | 21.58      |
|              | 12/6           | 23.00                        | 21.56                  | 21.40      | 21.59        |               | 25/12          | 23.00                        | 21.46                  | 21.49      | 21.60      |
|              | 12/13          | 23.00                        | 21.56                  | 21.39      | 21.59        |               | 25/25          | 23.00                        | 21.43                  | 21.46      | 21.60      |
|              | 25/0           | 23.00                        | 21.53                  | 21.38      | 21.55        |               | 50/0           | 23.00                        | 21.42                  | 21.55      | 21.60      |
| 16QAM        | 1/0            | 23.00                        | 21.87                  | 21.76      | 21.96        | 16QAM         | 1/0            | 23.00                        | 21.80                  | 21.80      | 21.77      |
|              | 1/12           | 23.00                        | 21.89                  | 21.85      | 21.99        |               | 1/24           | 23.00                        | 21.82                  | 21.80      | 21.83      |
|              | 1/24           | 23.00                        | 21.93                  | 21.77      | 21.97        |               | 1/49           | 23.00                        | 21.79                  | 21.76      | 21.80      |
|              | 12/0           | 22.00                        | 20.52                  | 20.51      | 20.69        |               | 25/0           | 22.00                        | 20.59                  | 20.50      | 20.64      |
|              | 12/6           | 22.00                        | 20.53                  | 20.47      | 20.73        |               | 25/12          | 22.00                        | 20.57                  | 20.44      | 20.67      |
|              | 12/13          | 22.00                        | 20.53                  | 20.44      | 20.72        |               | 25/25          | 22.00                        | 20.49                  | 20.41      | 20.64      |
|              | 25/0           | 22.00                        | 20.57                  | 20.46      | 20.63        |               | 50/0           | 22.00                        | 20.46                  | 20.53      | 20.62      |
| 64QAM        | 1/0            | 22.00                        | 20.69                  | 20.46      | 20.12        | 64QAM         | 1/0            | 22.00                        | 20.80                  | 20.41      | 20.09      |
|              | 1/12           | 22.00                        | 20.70                  | 20.52      | 20.11        |               | 1/24           | 22.00                        | 20.85                  | 20.41      | 20.20      |
|              | 1/24           | 22.00                        | 20.67                  | 20.38      | 20.13        |               | 1/49           | 22.00                        | 20.78                  | 20.37      | 20.17      |
|              | 12/0           | 21.00                        | 19.72                  | 19.26      | 19.07        |               | 25/0           | 21.00                        | 19.71                  | 19.27      | 19.13      |
|              | 12/6           | 21.00                        | 19.74                  | 19.29      | 19.12        |               | 25/12          | 21.00                        | 19.73                  | 19.28      | 19.19      |
|              | 12/13          | 21.00                        | 19.78                  | 19.17      | 19.11        |               | 25/25          | 21.00                        | 19.64                  | 19.19      | 19.16      |
|              | 25/0           | 21.00                        | 19.76                  | 19.25      | 19.08        |               | 50/0           | 21.00                        | 19.66                  | 19.25      | 19.08      |
| 256QAM       | 1/0            | 21.00                        | 19.50                  | 19.41      | 19.49        | 256QAM        | 1/0            | 21.00                        | 19.45                  | 19.39      | 19.35      |
|              | 1/12           | 21.00                        | 19.40                  | 19.47      | 19.40        |               | 1/24           | 21.00                        | 19.36                  | 19.47      | 19.46      |
|              | 1/24           | 21.00                        | 19.51                  | 19.34      | 19.42        |               | 1/49           | 21.00                        | 19.41                  | 19.38      | 19.38      |
|              | 12/0           | 20.00                        | 18.40                  | 18.50      | 18.35        |               | 25/0           | 20.00                        | 18.39                  | 18.53      | 18.37      |
|              | 12/6           | 20.00                        | 18.46                  | 18.39      | 18.47        |               | 25/12          | 20.00                        | 18.40                  | 18.34      | 18.41      |
|              | 12/13          | 20.00                        | 18.49                  | 18.39      | 18.47        |               | 25/25          | 20.00                        | 18.35                  | 18.34      | 18.34      |
|              | 25/0           | 20.00                        | 18.41                  | 18.48      | 18.38        |               | 50/0           | 20.00                        | 18.48                  | 18.50      | 18.45      |

| LTE B7/BW=15M |                | Average Conducted Power(dBm) |                        |            |              | LTE B7/BW=20M |                | Average Conducted Power(dBm) |                        |              |              |
|---------------|----------------|------------------------------|------------------------|------------|--------------|---------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|               |                |                              | 20825/2507.5           | 21100/2535 | 21375/2562.5 |               |                |                              | 20850/2510             | 21100/2535   | 21350/2560   |
| QPSK          | 1/0            | 24.00                        | 22.29                  | 22.26      | 22.29        | QPSK          | 1/0            | 24.00                        | 22.54                  | 22.65        | 22.91        |
|               | 1/37           | 24.00                        | 22.30                  | 22.27      | 22.33        |               | 1/50           | 24.00                        | 22.59                  | 22.73        | 22.89        |
|               | 1/74           | 24.00                        | 22.33                  | 22.22      | 22.31        |               | 1/99           | 24.00                        | <b>22.55</b>           | <b>22.66</b> | <b>22.95</b> |
|               | 36/0           | 23.00                        | 21.38                  | 21.33      | 21.40        |               | 50/0           | 23.00                        | 21.77                  | 21.83        | 21.97        |
|               | 36/19          | 23.00                        | 21.39                  | 21.38      | 21.41        |               | 50/25          | 23.00                        | 21.68                  | 21.84        | 22.01        |
|               | 36/39          | 23.00                        | 21.30                  | 21.28      | 21.43        |               | 50/50          | 23.00                        | 21.65                  | 21.82        | <b>22.03</b> |
|               | 75/0           | 23.00                        | 21.33                  | 21.36      | 21.41        |               | 100/0          | 23.00                        | 21.60                  | 21.67        | 21.74        |
| 16QAM         | 1/0            | 23.00                        | 21.70                  | 21.56      | 21.56        | 16QAM         | 1/0            | 23.00                        | 21.65                  | 21.58        | 21.50        |
|               | 1/37           | 23.00                        | 21.63                  | 21.54      | 21.54        |               | 1/50           | 23.00                        | 21.61                  | 21.52        | 21.55        |
|               | 1/74           | 23.00                        | 21.70                  | 21.47      | 21.48        |               | 1/99           | 23.00                        | 21.54                  | 21.54        | 21.57        |
|               | 36/0           | 22.00                        | 20.40                  | 20.35      | 20.40        |               | 50/0           | 22.00                        | 20.38                  | 20.34        | 20.41        |
|               | 36/19          | 22.00                        | 20.43                  | 20.35      | 20.40        |               | 50/25          | 22.00                        | 20.30                  | 20.39        | 20.45        |
|               | 36/39          | 22.00                        | 20.33                  | 20.26      | 20.41        |               | 50/50          | 22.00                        | 20.25                  | 20.29        | 20.33        |
|               | 75/0           | 22.00                        | 20.32                  | 20.36      | 20.43        |               | 100/0          | 22.00                        | 20.28                  | 20.36        | 20.42        |
| 64QAM         | 1/0            | 22.00                        | 20.49                  | 20.27      | 20.29        | 64QAM         | 1/0            | 22.00                        | 20.29                  | 20.07        | 20.08        |
|               | 1/37           | 22.00                        | 20.55                  | 20.27      | 20.43        |               | 1/50           | 22.00                        | 20.10                  | 20.01        | 20.09        |
|               | 1/74           | 22.00                        | 20.36                  | 20.22      | 20.37        |               | 1/99           | 22.00                        | 20.13                  | 20.05        | 20.06        |
|               | 36/0           | 21.00                        | 19.53                  | 19.15      | 19.31        |               | 50/0           | 21.00                        | 19.54                  | 19.32        | 19.08        |
|               | 36/19          | 21.00                        | 19.53                  | 19.26      | 19.26        |               | 50/25          | 21.00                        | 19.45                  | 19.22        | 19.21        |
|               | 36/39          | 21.00                        | 19.43                  | 19.19      | 19.25        |               | 50/50          | 21.00                        | 19.37                  | 19.18        | 19.14        |
|               | 75/0           | 21.00                        | 19.47                  | 19.11      | 19.23        |               | 100/0          | 21.00                        | 19.41                  | 19.13        | 19.04        |
| 256QAM        | 1/0            | 21.00                        | 19.45                  | 19.36      | 19.43        | 256QAM        | 1/0            | 21.00                        | 19.42                  | 19.35        | 19.50        |
|               | 1/37           | 21.00                        | 19.36                  | 19.32      | 19.37        |               | 1/50           | 21.00                        | 19.39                  | 19.34        | 19.38        |
|               | 1/74           | 21.00                        | 19.49                  | 19.50      | 19.37        |               | 1/99           | 21.00                        | 19.52                  | 19.33        | 19.46        |
|               | 36/0           | 20.00                        | 18.51                  | 18.35      | 18.43        |               | 50/0           | 20.00                        | 18.35                  | 18.45        | 18.33        |
|               | 36/19          | 20.00                        | 18.49                  | 18.44      | 18.46        |               | 50/25          | 20.00                        | 18.49                  | 18.45        | 18.50        |
|               | 36/39          | 20.00                        | 18.43                  | 18.43      | 18.47        |               | 50/50          | 20.00                        | 18.50                  | 18.39        | 18.51        |
|               | 75/0           | 20.00                        | 18.38                  | 18.41      | 18.40        |               | 100/0          | 20.00                        | 18.42                  | 18.42        | 18.43        |

## Ant 1 Hotspot on

| LTE B7/BW=5M |                | Average Conducted Power(dBm) |                        |            |              | LTE B7/BW=10M |                | Average Conducted Power(dBm) |                        |            |            |
|--------------|----------------|------------------------------|------------------------|------------|--------------|---------------|----------------|------------------------------|------------------------|------------|------------|
| Modulation   | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |            |
|              |                |                              | 20775/2502.5           | 21100/2535 | 21425/2567.5 |               |                |                              | 20800/2505             | 21100/2535 | 21400/2565 |
| QPSK         | 1/0            | 22.00                        | 20.81                  | 20.89      | 20.98        | QPSK          | 1/0            | 22.00                        | 20.89                  | 21.07      | 21.15      |
|              | 1/12           | 22.00                        | 20.83                  | 20.97      | 21.02        |               | 1/24           | 22.00                        | 20.98                  | 21.12      | 21.19      |
|              | 1/24           | 22.00                        | 20.80                  | 20.97      | 21.03        |               | 1/49           | 22.00                        | 20.88                  | 21.10      | 21.24      |
|              | 12/0           | 22.00                        | 20.66                  | 20.77      | 20.99        |               | 25/0           | 22.00                        | 20.66                  | 20.77      | 20.97      |
|              | 12/6           | 22.00                        | 20.70                  | 20.78      | 21.09        |               | 25/12          | 22.00                        | 20.62                  | 20.79      | 21.04      |
|              | 12/13          | 22.00                        | 20.66                  | 20.81      | 21.05        |               | 25/25          | 22.00                        | 20.63                  | 20.77      | 21.05      |
|              | 25/0           | 22.00                        | 20.67                  | 20.75      | 21.05        |               | 50/0           | 22.00                        | 20.61                  | 20.80      | 21.02      |
| 16QAM        | 1/0            | 22.00                        | 20.63                  | 20.70      | 21.02        | 16QAM         | 1/0            | 22.00                        | 20.66                  | 20.74      | 20.95      |
|              | 1/12           | 22.00                        | 20.70                  | 20.81      | 21.06        |               | 1/24           | 22.00                        | 20.73                  | 20.81      | 21.06      |
|              | 1/24           | 22.00                        | 20.67                  | 20.81      | 21.07        |               | 1/49           | 22.00                        | 20.74                  | 20.86      | 21.07      |
|              | 12/0           | 21.00                        | 20.63                  | 20.79      | 20.75        |               | 25/0           | 21.00                        | 20.71                  | 20.79      | 20.71      |
|              | 12/6           | 21.00                        | 20.70                  | 20.86      | 20.85        |               | 25/12          | 21.00                        | 20.65                  | 20.82      | 20.73      |
|              | 12/13          | 21.00                        | 20.67                  | 20.82      | 20.81        |               | 25/25          | 21.00                        | 20.63                  | 20.86      | 20.75      |
|              | 25/0           | 21.00                        | 20.69                  | 20.82      | 20.73        |               | 50/0           | 21.00                        | 20.59                  | 20.81      | 20.73      |
| 64QAM        | 1/0            | 21.00                        | 20.63                  | 20.90      | 20.75        | 64QAM         | 1/0            | 21.00                        | 20.15                  | 20.64      | 20.87      |
|              | 1/12           | 21.00                        | 20.69                  | 20.68      | 20.72        |               | 1/24           | 21.00                        | 20.81                  | 20.72      | 20.81      |
|              | 1/24           | 21.00                        | 20.70                  | 20.74      | 20.82        |               | 1/49           | 21.00                        | 20.44                  | 20.47      | 20.51      |
|              | 12/0           | 20.00                        | 19.88                  | 19.92      | 19.87        |               | 25/0           | 20.00                        | 19.70                  | 19.72      | 19.70      |
|              | 12/6           | 20.00                        | 19.81                  | 19.85      | 19.77        |               | 25/12          | 20.00                        | 19.88                  | 19.87      | 19.79      |
|              | 12/13          | 20.00                        | 19.94                  | 19.87      | 19.89        |               | 25/25          | 20.00                        | 19.84                  | 19.92      | 19.78      |
|              | 25/0           | 20.00                        | 19.41                  | 19.81      | 19.78        |               | 50/0           | 20.00                        | 19.42                  | 19.86      | 19.86      |
| 256QAM       | 1/0            | 20.00                        | 18.68                  | 18.40      | 18.60        | 256QAM        | 1/0            | 20.00                        | 18.34                  | 18.66      | 18.54      |
|              | 1/12           | 20.00                        | 18.73                  | 18.67      | 18.65        |               | 1/24           | 20.00                        | 18.66                  | 18.63      | 18.52      |
|              | 1/24           | 20.00                        | 18.41                  | 18.45      | 18.42        |               | 1/49           | 20.00                        | 18.67                  | 18.63      | 18.72      |
|              | 12/0           | 19.00                        | 17.76                  | 17.76      | 17.76        |               | 25/0           | 19.00                        | 17.84                  | 17.82      | 17.80      |
|              | 12/6           | 19.00                        | 17.94                  | 17.96      | 17.90        |               | 25/12          | 19.00                        | 17.90                  | 17.82      | 17.90      |
|              | 12/13          | 19.00                        | 17.88                  | 17.83      | 17.89        |               | 25/25          | 19.00                        | 17.84                  | 17.73      | 17.81      |
|              | 25/0           | 19.00                        | 17.71                  | 17.89      | 17.96        |               | 50/0           | 19.00                        | 17.67                  | 17.87      | 17.93      |

| LTE B7/BW=15M |                | Average Conducted Power(dBm) |                        |            |              | LTE B7/BW=20M |                | Average Conducted Power(dBm) |                        |              |              |
|---------------|----------------|------------------------------|------------------------|------------|--------------|---------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|               |                |                              | 20825/2507.5           | 21100/2535 | 21375/2562.5 |               |                |                              | 20850/2510             | 21100/2535   | 21350/2560   |
| QPSK          | 1/0            | 22.00                        | 20.76                  | 20.85      | 21.03        | QPSK          | 1/0            | 22.00                        | 21.02                  | 21.10        | 21.18        |
|               | 1/37           | 22.00                        | 20.93                  | 20.85      | 21.00        |               | 1/50           | 22.00                        | 21.07                  | 21.15        | 21.21        |
|               | 1/74           | 22.00                        | 20.96                  | 20.80      | 21.03        |               | 1/99           | 22.00                        | <b>21.17</b>           | <b>21.23</b> | <b>21.29</b> |
|               | 36/0           | 22.00                        | 20.57                  | 20.62      | 20.75        |               | 50/0           | 22.00                        | 20.53                  | 20.59        | 20.76        |
|               | 36/19          | 22.00                        | 20.63                  | 20.64      | 20.76        |               | 50/25          | 22.00                        | 20.48                  | 20.63        | 20.81        |
|               | 36/39          | 22.00                        | 20.57                  | 20.67      | 20.85        |               | 50/50          | 22.00                        | 20.63                  | 20.72        | <b>20.91</b> |
|               | 75/0           | 22.00                        | 20.63                  | 20.69      | 20.77        |               | 100/0          | 22.00                        | 20.46                  | 20.62        | 20.80        |
| 16QAM         | 1/0            | 22.00                        | 20.47                  | 20.51      | 20.67        | 16QAM         | 1/0            | 22.00                        | 20.44                  | 20.54        | 20.67        |
|               | 1/37           | 22.00                        | 20.62                  | 20.57      | 20.74        |               | 1/50           | 22.00                        | 20.47                  | 20.57        | 20.72        |
|               | 1/74           | 22.00                        | 20.60                  | 20.57      | 20.79        |               | 1/99           | 22.00                        | 20.44                  | 20.72        | 20.78        |
|               | 36/0           | 21.00                        | 20.56                  | 20.64      | 20.76        |               | 50/0           | 21.00                        | 20.51                  | 20.66        | 20.79        |
|               | 36/19          | 21.00                        | 20.59                  | 20.67      | 20.78        |               | 50/25          | 21.00                        | 20.48                  | 20.70        | 20.84        |
|               | 36/39          | 21.00                        | 20.53                  | 20.68      | 20.89        |               | 50/50          | 21.00                        | 20.48                  | 20.70        | 20.85        |
|               | 75/0           | 21.00                        | 20.60                  | 20.68      | 20.76        |               | 100/0          | 21.00                        | 20.44                  | 20.67        | 20.82        |
| 64QAM         | 1/0            | 21.00                        | 20.37                  | 20.56      | 20.72        | 64QAM         | 1/0            | 21.00                        | 20.36                  | 20.46        | 20.72        |
|               | 1/37           | 21.00                        | 20.34                  | 20.31      | 20.24        |               | 1/50           | 21.00                        | 20.24                  | 20.34        | 20.26        |
|               | 1/74           | 21.00                        | 20.40                  | 20.47      | 20.50        |               | 1/99           | 21.00                        | 20.52                  | 20.46        | 20.50        |
|               | 36/0           | 20.00                        | 19.67                  | 19.72      | 19.68        |               | 50/0           | 20.00                        | 19.63                  | 19.62        | 19.65        |
|               | 36/19          | 20.00                        | 19.71                  | 19.72      | 19.60        |               | 50/25          | 20.00                        | 19.63                  | 19.65        | 19.73        |
|               | 36/39          | 20.00                        | 19.63                  | 19.72      | 19.67        |               | 50/50          | 20.00                        | 19.74                  | 19.62        | 19.68        |
|               | 75/0           | 20.00                        | 19.41                  | 19.78      | 19.64        |               | 100/0          | 20.00                        | 19.43                  | 19.72        | 19.55        |
| 256QAM        | 1/0            | 20.00                        | 18.42                  | 18.61      | 18.75        | 256QAM        | 1/0            | 20.00                        | 18.33                  | 18.60        | 18.76        |
|               | 1/37           | 20.00                        | 18.77                  | 18.73      | 18.77        |               | 1/50           | 20.00                        | 18.67                  | 18.68        | 18.66        |
|               | 1/74           | 20.00                        | 18.69                  | 18.56      | 18.59        |               | 1/99           | 20.00                        | 18.53                  | 18.60        | 18.60        |
|               | 36/0           | 19.00                        | 17.70                  | 17.72      | 17.64        |               | 50/0           | 19.00                        | 17.68                  | 17.68        | 17.63        |
|               | 36/19          | 19.00                        | 17.74                  | 17.73      | 17.68        |               | 50/25          | 19.00                        | 17.81                  | 17.72        | 17.81        |
|               | 36/39          | 19.00                        | 17.74                  | 17.74      | 17.83        |               | 50/50          | 19.00                        | 17.83                  | 17.80        | 17.71        |
|               | 75/0           | 19.00                        | 17.66                  | 17.85      | 17.76        |               | 100/0          | 19.00                        | 17.59                  | 17.82        | 17.85        |

Note: The tested channel results are marks in bold.

## 10. Conducted power measurement results of LTE B12

Ant 0 Receiver on &amp; Sensor off &amp; Hotspot on

| LTE B12/BW=1.4M |                | Average Conducted Power(dBm) |                        |             |             | LTE B12/BW=3M |                | Average Conducted Power(dBm) |                        |             |             |
|-----------------|----------------|------------------------------|------------------------|-------------|-------------|---------------|----------------|------------------------------|------------------------|-------------|-------------|
| Modulation      | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |             |             | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |             |             |
|                 |                |                              | 23017/699.7            | 23095/707.5 | 23173/715.3 |               |                |                              | 23025/700.5            | 23095/707.5 | 23165/714.5 |
| QPSK            | 1/0            | 24.00                        | 22.59                  | 22.45       | 22.56       | QPSK          | 1/0            | 24.00                        | 22.54                  | 22.51       | 22.60       |
|                 | 1/2            | 24.00                        | 22.61                  | 22.49       | 22.59       |               | 1/7            | 24.00                        | 22.61                  | 22.60       | 22.66       |
|                 | 1/5            | 24.00                        | 22.57                  | 22.46       | 22.55       |               | 1/14           | 24.00                        | 22.49                  | 22.50       | 22.56       |
|                 | 3/0            | 24.00                        | 22.58                  | 22.51       | 22.62       |               | 8/0            | 23.00                        | 21.63                  | 21.50       | 21.57       |
|                 | 3/1            | 24.00                        | 22.58                  | 22.54       | 22.60       |               | 8/3            | 23.00                        | 21.61                  | 21.61       | 21.57       |
|                 | 3/3            | 24.00                        | 22.56                  | 22.53       | 22.59       |               | 8/7            | 23.00                        | 21.59                  | 21.59       | 21.61       |
|                 | 6/0            | 23.00                        | 21.60                  | 21.54       | 21.60       |               | 15/0           | 23.00                        | 21.61                  | 21.60       | 21.56       |
| 16QAM           | 1/0            | 23.00                        | 21.80                  | 21.73       | 21.89       | 16QAM         | 1/0            | 23.00                        | 21.91                  | 21.79       | 21.80       |
|                 | 1/2            | 23.00                        | 21.83                  | 21.73       | 21.90       |               | 1/7            | 23.00                        | 21.96                  | 21.90       | 21.91       |
|                 | 1/5            | 23.00                        | 21.79                  | 21.72       | 21.84       |               | 1/14           | 23.00                        | 21.94                  | 21.80       | 21.91       |
|                 | 3/0            | 23.00                        | 21.72                  | 21.57       | 21.74       |               | 8/0            | 22.00                        | 20.64                  | 20.59       | 20.60       |
|                 | 3/1            | 23.00                        | 21.72                  | 21.63       | 21.76       |               | 8/3            | 22.00                        | 20.67                  | 20.68       | 20.64       |
|                 | 3/3            | 23.00                        | 21.72                  | 21.59       | 21.70       |               | 8/7            | 22.00                        | 20.65                  | 20.66       | 20.63       |
|                 | 6/0            | 22.00                        | 20.67                  | 20.56       | 20.60       |               | 15/0           | 22.00                        | 20.64                  | 20.62       | 20.60       |
| 64QAM           | 1/0            | 22.00                        | 20.95                  | 20.83       | 20.88       | 64QAM         | 1/0            | 22.00                        | 20.84                  | 20.90       | 20.97       |
|                 | 1/2            | 22.00                        | 20.91                  | 20.88       | 20.91       |               | 1/7            | 22.00                        | 20.78                  | 21.04       | 21.13       |
|                 | 1/5            | 22.00                        | 20.93                  | 20.86       | 20.88       |               | 1/14           | 22.00                        | 20.75                  | 20.93       | 21.04       |
|                 | 3/0            | 22.00                        | 20.82                  | 20.79       | 20.92       |               | 8/0            | 21.00                        | 19.75                  | 19.76       | 19.84       |
|                 | 3/1            | 22.00                        | 20.81                  | 20.88       | 20.93       |               | 8/3            | 21.00                        | 19.76                  | 19.79       | 19.86       |
|                 | 3/3            | 22.00                        | 20.74                  | 20.83       | 20.96       |               | 8/7            | 21.00                        | 19.80                  | 19.72       | 19.88       |
|                 | 6/0            | 21.00                        | 19.78                  | 19.80       | 19.83       |               | 15/0           | 21.00                        | 19.79                  | 19.80       | 19.86       |
| 256QAM          | 1/0            | 21.00                        | 19.62                  | 19.66       | 19.51       | 256QAM        | 1/0            | 21.00                        | 19.46                  | 19.59       | 19.47       |
|                 | 1/2            | 21.00                        | 19.56                  | 19.51       | 19.62       |               | 1/7            | 21.00                        | 19.62                  | 19.56       | 19.57       |
|                 | 1/5            | 21.00                        | 19.57                  | 19.58       | 19.54       |               | 1/14           | 21.00                        | 19.62                  | 19.57       | 19.62       |
|                 | 3/0            | 21.00                        | 19.64                  | 19.50       | 19.63       |               | 8/0            | 20.00                        | 18.54                  | 18.50       | 18.48       |
|                 | 3/1            | 21.00                        | 19.65                  | 19.68       | 19.54       |               | 8/3            | 20.00                        | 18.57                  | 18.58       | 18.62       |
|                 | 3/3            | 21.00                        | 19.55                  | 19.64       | 19.53       |               | 8/7            | 20.00                        | 18.49                  | 18.58       | 18.55       |
|                 | 6/0            | 20.00                        | 18.60                  | 18.51       | 18.66       |               | 15/0           | 20.00                        | 18.64                  | 18.58       | 18.50       |

| LTE B12/BW=5M |                | Average Conducted Power(dBm) |                        |             |             | LTE B12/BW=10M |                | Average Conducted Power(dBm) |                        |              |              |
|---------------|----------------|------------------------------|------------------------|-------------|-------------|----------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |             |             | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|               |                |                              | 23035/701.5            | 23095/707.5 | 23155/713.5 |                |                |                              | 23060/704              | 23095/707.5  | 23130/711    |
| QPSK          | 1/0            | 24.00                        | 22.48                  | 22.48       | 22.47       | QPSK           | 1/0            | 24.00                        | 22.54                  | 22.50        | 22.62        |
|               | 1/12           | 24.00                        | 22.50                  | 22.47       | 22.57       |                | 1/24           | 24.00                        | <b>22.60</b>           | <b>22.64</b> | <b>22.68</b> |
|               | 1/24           | 24.00                        | 22.41                  | 22.50       | 22.51       |                | 1/49           | 24.00                        | 22.53                  | 22.62        | 22.53        |
|               | 12/0           | 23.00                        | 21.53                  | 21.54       | 21.62       |                | 25/0           | 23.00                        | 21.83                  | 21.81        | 21.86        |
|               | 12/6           | 23.00                        | 21.62                  | 21.64       | 21.61       |                | 25/12          | 23.00                        | <b>21.94</b>           | 21.92        | 21.86        |
|               | 12/13          | 23.00                        | 21.59                  | 21.59       | 21.65       |                | 25/25          | 23.00                        | 21.87                  | 21.89        | 21.92        |
|               | 25/0           | 23.00                        | 21.59                  | 21.62       | 21.59       |                | 50/0           | 23.00                        | 21.50                  | 21.53        | 21.51        |
| 16QAM         | 1/0            | 23.00                        | 21.88                  | 21.91       | 21.98       | 16QAM          | 1/0            | 23.00                        | 21.80                  | 21.84        | 21.87        |
|               | 1/12           | 23.00                        | 22.00                  | 22.00       | 22.10       |                | 1/24           | 23.00                        | 21.87                  | 21.93        | 21.85        |
|               | 1/24           | 23.00                        | 21.90                  | 21.96       | 22.02       |                | 1/49           | 23.00                        | 21.82                  | 21.91        | 21.76        |
|               | 12/0           | 22.00                        | 20.70                  | 20.63       | 20.58       |                | 25/0           | 22.00                        | 20.60                  | 20.57        | 20.61        |
|               | 12/6           | 22.00                        | 20.77                  | 20.72       | 20.61       |                | 25/12          | 22.00                        | 20.72                  | 20.69        | 20.71        |
|               | 12/13          | 22.00                        | 20.73                  | 20.69       | 20.67       |                | 25/25          | 22.00                        | 20.65                  | 20.68        | 20.70        |
|               | 25/0           | 22.00                        | 20.66                  | 20.66       | 20.63       |                | 50/0           | 22.00                        | 20.64                  | 20.64        | 20.59        |
| 64QAM         | 1/0            | 22.00                        | 20.83                  | 20.87       | 21.00       | 64QAM          | 1/0            | 22.00                        | 20.86                  | 20.92        | 21.02        |
|               | 1/12           | 22.00                        | 20.90                  | 20.92       | 21.04       |                | 1/24           | 22.00                        | 20.98                  | 21.00        | 21.15        |
|               | 1/24           | 22.00                        | 20.82                  | 20.95       | 20.94       |                | 1/49           | 22.00                        | 20.94                  | 20.95        | 20.99        |
|               | 12/0           | 21.00                        | 19.80                  | 19.74       | 19.83       |                | 25/0           | 21.00                        | 19.76                  | 19.76        | 19.82        |
|               | 12/6           | 21.00                        | 19.79                  | 19.79       | 19.93       |                | 25/12          | 21.00                        | 19.83                  | 19.87        | 19.89        |
|               | 12/13          | 21.00                        | 19.77                  | 19.82       | 19.89       |                | 25/25          | 21.00                        | 19.84                  | 19.84        | 19.89        |
|               | 25/0           | 21.00                        | 19.77                  | 19.81       | 19.84       |                | 50/0           | 21.00                        | 19.83                  | 19.83        | 19.80        |
| 256QAM        | 1/0            | 21.00                        | 19.31                  | 19.30       | 19.29       | 256QAM         | 1/0            | 21.00                        | 19.58                  | 19.50        | 19.60        |
|               | 1/12           | 21.00                        | 19.11                  | 19.12       | 19.10       |                | 1/24           | 21.00                        | 19.60                  | 19.49        | 19.54        |
|               | 1/24           | 21.00                        | 19.18                  | 19.16       | 19.21       |                | 1/49           | 21.00                        | 19.56                  | 19.52        | 19.65        |
|               | 12/0           | 20.00                        | 19.00                  | 19.01       | 19.05       |                | 25/0           | 20.00                        | 18.63                  | 18.50        | 18.54        |
|               | 12/6           | 20.00                        | 19.08                  | 19.10       | 19.13       |                | 25/12          | 20.00                        | 18.50                  | 18.56        | 18.61        |
|               | 12/13          | 20.00                        | 19.10                  | 19.09       | 19.12       |                | 25/25          | 20.00                        | 18.61                  | 18.63        | 18.48        |
|               | 25/0           | 20.00                        | 18.91                  | 18.94       | 18.97       |                | 50/0           | 20.00                        | 18.50                  | 18.53        | 18.50        |

Note: The tested channel results are marks in bold.

## 11. Conducted power measurement results of LTE B13

Ant 0\_Receiver on &amp; Sensor off &amp; Hotspot on

| LTE B13/BW=5M |                    | Average Conducted Power(dBm) |                        |               |                 | LTE B13/BW=10M |                    | Average Conducted Power(dBm) |                        |
|---------------|--------------------|------------------------------|------------------------|---------------|-----------------|----------------|--------------------|------------------------------|------------------------|
| Modulation    | RB Size/<br>Offset | Max.<br>Tune-up              | Channel/Frequency(MHz) |               |                 | Modulation     | RB Size/<br>Offset | Max.<br>Tune-up              | Channel/Frequency(MHz) |
|               |                    |                              | 23205/<br>779.5        | 23230/<br>782 | 23255/<br>784.5 |                |                    |                              |                        |
| QPSK          | 1/0                | 24.00                        | 22.89                  | 22.91         | 22.88           | QPSK           | 1/0                | 24.00                        | 23.16                  |
|               | 1/12               | 24.00                        | 22.93                  | 22.95         | 22.95           |                | 1/24               | 24.00                        | 23.25                  |
|               | 1/24               | 24.00                        | 22.89                  | 22.89         | 22.88           |                | 1/49               | 24.00                        | 23.15                  |
|               | 12/0               | 23.00                        | 21.88                  | 21.91         | 21.90           |                | 25/0               | 23.00                        | 22.23                  |
|               | 12/6               | 23.00                        | 21.99                  | 21.95         | 22.00           |                | 25/12              | 23.00                        | 22.25                  |
|               | 12/13              | 23.00                        | 21.96                  | 21.97         | 21.95           |                | 25/25              | 23.00                        | 22.20                  |
|               | 25/0               | 23.00                        | 21.99                  | 21.94         | 21.97           |                | 50/0               | 23.00                        | 21.95                  |
| 16QAM         | 1/0                | 23.00                        | 22.28                  | 22.25         | 22.36           | 16QAM          | 1/0                | 23.00                        | 22.22                  |
|               | 1/12               | 23.00                        | 22.34                  | 22.27         | 22.41           |                | 1/24               | 23.00                        | 22.28                  |
|               | 1/24               | 23.00                        | 22.36                  | 22.25         | 22.33           |                | 1/49               | 23.00                        | 22.15                  |
|               | 12/0               | 22.00                        | 20.94                  | 20.94         | 20.99           |                | 25/0               | 22.00                        | 21.02                  |
|               | 12/6               | 22.00                        | 21.02                  | 20.97         | 21.07           |                | 25/12              | 22.00                        | 21.05                  |
|               | 12/13              | 22.00                        | 20.98                  | 21.00         | 21.01           |                | 25/25              | 22.00                        | 21.03                  |
|               | 25/0               | 22.00                        | 21.02                  | 20.93         | 20.96           |                | 50/0               | 22.00                        | 20.99                  |
| 64QAM         | 1/0                | 22.00                        | 21.18                  | 21.19         | 20.98           | 64QAM          | 1/0                | 22.00                        | 21.15                  |
|               | 1/12               | 22.00                        | 21.20                  | 21.19         | 21.02           |                | 1/24               | 22.00                        | 21.14                  |
|               | 1/24               | 22.00                        | 21.06                  | 21.05         | 20.98           |                | 1/49               | 22.00                        | 21.01                  |
|               | 12/0               | 21.00                        | 20.06                  | 20.05         | 19.92           |                | 25/0               | 21.00                        | 20.06                  |
|               | 12/6               | 21.00                        | 20.07                  | 20.08         | 19.90           |                | 25/12              | 21.00                        | 20.05                  |
|               | 12/13              | 21.00                        | 19.94                  | 20.01         | 19.97           |                | 25/25              | 21.00                        | 19.94                  |
|               | 25/0               | 21.00                        | 20.08                  | 20.00         | 19.85           |                | 50/0               | 21.00                        | 20.05                  |
| 256QAM        | 1/0                | 21.00                        | 20.57                  | 20.48         | 20.47           | 256QAM         | 1/0                | 21.00                        | 20.62                  |
|               | 1/12               | 21.00                        | 20.54                  | 20.54         | 20.59           |                | 1/24               | 21.00                        | 20.51                  |
|               | 1/24               | 21.00                        | 20.50                  | 20.64         | 20.54           |                | 1/49               | 21.00                        | 20.56                  |
|               | 12/0               | 20.00                        | 19.63                  | 19.49         | 19.54           |                | 25/0               | 20.00                        | 19.57                  |
|               | 12/6               | 20.00                        | 19.57                  | 19.51         | 19.48           |                | 25/12              | 20.00                        | 19.49                  |
|               | 12/13              | 20.00                        | 19.57                  | 19.51         | 19.66           |                | 25/25              | 20.00                        | 19.47                  |
|               | 25/0               | 20.00                        | 19.47                  | 19.61         | 19.49           |                | 50/0               | 20.00                        | 19.53                  |

Note: The tested channel results are marks in bold.

## 12. Conducted power measurement results of LTE B14

Ant 0\_Receiver on & Sensor off & Hotspot on

| LTE B14/BW=5M |                    | Average Conducted Power(dBm) |                        |               |                 | LTE B14/BW=10M |                    | Average Conducted Power(dBm) |                        |
|---------------|--------------------|------------------------------|------------------------|---------------|-----------------|----------------|--------------------|------------------------------|------------------------|
| Modulation    | RB Size/<br>Offset | Max.<br>Tune-up              | Channel/Frequency(MHz) |               |                 | Modulation     | RB Size/<br>Offset | Max.<br>Tune-up              | Channel/Frequency(MHz) |
|               |                    |                              | 23305/<br>790.5        | 23330/<br>793 | 23355/<br>795.5 |                |                    |                              |                        |
| QPSK          | 1/0                | 24.00                        | 22.99                  | 22.97         | 22.93           | QPSK           | 1/0                | 24.00                        | 23.14                  |
|               | 1/12               | 24.00                        | 22.97                  | 23.01         | 22.93           |                | 1/24               | 24.00                        | 23.24                  |
|               | 1/24               | 24.00                        | 22.91                  | 22.93         | 22.87           |                | 1/49               | 24.00                        | 23.10                  |
|               | 12/0               | 23.00                        | 22.06                  | 21.99         | 21.86           |                | 25/0               | 23.00                        | 22.21                  |
|               | 12/6               | 23.00                        | 22.07                  | 22.01         | 21.88           |                | 25/12              | 23.00                        | 22.23                  |
|               | 12/13              | 23.00                        | 21.93                  | 21.94         | 21.94           |                | 25/25              | 23.00                        | 22.20                  |
|               | 25/0               | 23.00                        | 21.94                  | 21.95         | 21.85           |                | 50/0               | 23.00                        | 22.00                  |
| 16QAM         | 1/0                | 23.00                        | 22.39                  | 22.33         | 22.34           | 16QAM          | 1/0                | 23.00                        | 22.37                  |
|               | 1/12               | 23.00                        | 22.38                  | 22.30         | 22.42           |                | 1/24               | 23.00                        | 22.25                  |
|               | 1/24               | 23.00                        | 22.26                  | 22.29         | 22.29           |                | 1/49               | 23.00                        | 22.16                  |
|               | 12/0               | 22.00                        | 21.06                  | 21.02         | 20.88           |                | 25/0               | 22.00                        | 21.06                  |
|               | 12/6               | 22.00                        | 21.10                  | 21.02         | 20.88           |                | 25/12              | 22.00                        | 21.02                  |
|               | 12/13              | 22.00                        | 20.96                  | 20.95         | 20.91           |                | 25/25              | 22.00                        | 20.91                  |
|               | 25/0               | 22.00                        | 20.99                  | 20.99         | 20.86           |                | 50/0               | 22.00                        | 21.03                  |
| 64QAM         | 1/0                | 22.00                        | 21.03                  | 21.14         | 21.06           | 64QAM          | 1/0                | 22.00                        | 21.11                  |
|               | 1/12               | 22.00                        | 21.02                  | 21.21         | 21.02           |                | 1/24               | 22.00                        | 21.14                  |
|               | 1/24               | 22.00                        | 21.01                  | 21.03         | 20.93           |                | 1/49               | 22.00                        | 20.97                  |
|               | 12/0               | 21.00                        | 19.96                  | 19.88         | 19.88           |                | 25/0               | 21.00                        | 19.90                  |
|               | 12/6               | 21.00                        | 20.02                  | 19.93         | 19.87           |                | 25/12              | 21.00                        | 19.93                  |
|               | 12/13              | 21.00                        | 19.98                  | 19.89         | 19.85           |                | 25/25              | 21.00                        | 19.84                  |
|               | 25/0               | 21.00                        | 19.95                  | 19.86         | 19.84           |                | 50/0               | 21.00                        | 19.92                  |
| 256QAM        | 1/0                | 21.00                        | 19.79                  | 19.64         | 19.69           | 256QAM         | 1/0                | 21.00                        | 19.65                  |
|               | 1/12               | 21.00                        | 19.66                  | 19.79         | 19.64           |                | 1/24               | 21.00                        | 19.64                  |
|               | 1/24               | 21.00                        | 19.69                  | 19.76         | 19.62           |                | 1/49               | 21.00                        | 19.70                  |
|               | 12/0               | 20.00                        | 18.61                  | 18.62         | 18.71           |                | 25/0               | 20.00                        | 18.79                  |
|               | 12/6               | 20.00                        | 18.61                  | 18.67         | 18.75           |                | 25/12              | 20.00                        | 18.64                  |
|               | 12/13              | 20.00                        | 18.76                  | 18.75         | 18.65           |                | 25/25              | 20.00                        | 18.77                  |
|               | 25/0               | 20.00                        | 18.78                  | 18.60         | 18.76           |                | 50/0               | 20.00                        | 18.73                  |

Note: The tested channel results are marks in bold.

### 13. Conducted power measurement results of LTE B17

Ant 0\_Receiver on & Sensor off & Hotspot on

| LTE B17/BW=5M |                | Average Conducted Power(dBm) |                        |           |             | LTE B17/BW=10M |                | Average Conducted Power(dBm) |                        |              |              |
|---------------|----------------|------------------------------|------------------------|-----------|-------------|----------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |           |             | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|               |                |                              | 23755/706.5            | 23790/710 | 23825/713.5 |                |                |                              | 23780/709              | 23790/710    | 23800/711    |
| QPSK          | 1/0            | 24.00                        | 23.15                  | 23.26     | 23.35       | QPSK           | 1/0            | 24.00                        | 23.23                  | 23.24        | 23.36        |
|               | 1/12           | 24.00                        | 23.37                  | 23.46     | 23.36       |                | 1/24           | 24.00                        | 23.35                  | 23.45        | 23.44        |
|               | 1/24           | 24.00                        | 23.23                  | 23.40     | 23.32       |                | 1/49           | 24.00                        | <b>23.38</b>           | <b>23.50</b> | <b>23.44</b> |
|               | 12/0           | 23.00                        | 22.28                  | 22.37     | 22.34       |                | 25/0           | 23.00                        | 22.39                  | 22.30        | 22.33        |
|               | 12/6           | 23.00                        | 22.25                  | 22.41     | 22.42       |                | 25/12          | 23.00                        | <b>22.53</b>           | 22.31        | 22.47        |
|               | 12/13          | 23.00                        | 22.37                  | 22.41     | 22.31       |                | 25/25          | 23.00                        | 22.39                  | 22.46        | 22.38        |
|               | 25/0           | 23.00                        | 22.43                  | 22.43     | 22.43       |                | 50/0           | 23.00                        | 22.53                  | 22.45        | 22.48        |
| 16QAM         | 1/0            | 23.00                        | 22.61                  | 22.65     | 22.65       | 16QAM          | 1/0            | 23.00                        | 22.80                  | 22.54        | 22.69        |
|               | 1/12           | 23.00                        | 22.72                  | 22.76     | 22.82       |                | 1/24           | 23.00                        | 22.69                  | 22.69        | 22.79        |
|               | 1/24           | 23.00                        | 22.68                  | 22.72     | 22.82       |                | 1/49           | 23.00                        | 22.83                  | 22.82        | 22.65        |
|               | 12/0           | 22.00                        | 21.20                  | 21.33     | 21.37       |                | 25/0           | 22.00                        | 21.36                  | 21.39        | 21.42        |
|               | 12/6           | 22.00                        | 21.28                  | 21.46     | 21.45       |                | 25/12          | 22.00                        | 21.51                  | 21.42        | 21.47        |
|               | 12/13          | 22.00                        | 21.40                  | 21.50     | 21.48       |                | 25/25          | 22.00                        | 21.42                  | 21.40        | 21.46        |
|               | 25/0           | 22.00                        | 21.41                  | 21.41     | 21.31       |                | 50/0           | 22.00                        | 21.47                  | 21.40        | 21.45        |
| 64QAM         | 1/0            | 22.00                        | 20.55                  | 20.47     | 20.54       | 64QAM          | 1/0            | 22.00                        | 20.44                  | 20.56        | 20.62        |
|               | 1/12           | 22.00                        | 20.60                  | 20.49     | 20.57       |                | 1/24           | 22.00                        | 20.51                  | 20.51        | 20.63        |
|               | 1/24           | 22.00                        | 20.41                  | 20.47     | 20.52       |                | 1/49           | 22.00                        | 20.58                  | 20.67        | 20.53        |
|               | 12/0           | 21.00                        | 19.54                  | 19.57     | 19.44       |                | 25/0           | 21.00                        | 19.67                  | 19.45        | 19.58        |
|               | 12/6           | 21.00                        | 19.47                  | 19.47     | 19.58       |                | 25/12          | 21.00                        | 19.52                  | 19.60        | 19.57        |
|               | 12/13          | 21.00                        | 19.45                  | 19.55     | 19.54       |                | 25/25          | 21.00                        | 19.60                  | 19.50        | 19.40        |
|               | 25/0           | 21.00                        | 19.32                  | 19.49     | 19.35       |                | 50/0           | 21.00                        | 19.54                  | 19.62        | 19.58        |

Note: The tested channel results are marks in bold.

## 14. Conducted power measurement results of LTE B25

Ant 1\_Receiver on

| LTE B25/BW=1.4M |                | Average Conducted Power(dBm) |                        |              |              | LTE B25/BW=3M |                | Average Conducted Power(dBm) |                        |              |              |
|-----------------|----------------|------------------------------|------------------------|--------------|--------------|---------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation      | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|                 |                |                              | 26047/1850.7           | 26365/1882.5 | 26683/1914.3 |               |                |                              | 26055/1851.5           | 26365/1882.5 | 26675/1913.5 |
| QPSK            | 1/0            | 22.00                        | 20.81                  | 20.78        | 20.97        | QPSK          | 1/0            | 22.00                        | 20.87                  | 20.86        | 20.88        |
|                 | 1/2            | 22.00                        | 20.84                  | 20.74        | 20.99        |               | 1/7            | 22.00                        | 20.92                  | 20.98        | 20.95        |
|                 | 1/5            | 22.00                        | 20.81                  | 20.74        | 20.93        |               | 1/14           | 22.00                        | 20.87                  | 20.90        | 20.94        |
|                 | 3/0            | 22.00                        | 20.81                  | 20.84        | 20.90        |               | 8/0            | 22.00                        | 20.85                  | 20.77        | 20.94        |
|                 | 3/1            | 22.00                        | 20.85                  | 20.83        | 20.93        |               | 8/3            | 22.00                        | 20.85                  | 20.88        | 20.94        |
|                 | 3/3            | 22.00                        | 20.82                  | 20.85        | 20.89        |               | 8/7            | 22.00                        | 20.82                  | 20.86        | 20.96        |
|                 | 6/0            | 22.00                        | 20.82                  | 20.82        | 20.88        |               | 15/0           | 22.00                        | 20.86                  | 20.90        | 20.93        |
| 16QAM           | 1/0            | 22.00                        | 20.80                  | 20.79        | 20.90        | 16QAM         | 1/0            | 22.00                        | 20.74                  | 20.82        | 20.89        |
|                 | 1/2            | 22.00                        | 20.84                  | 20.86        | 20.93        |               | 1/7            | 22.00                        | 20.83                  | 20.88        | 20.97        |
|                 | 1/5            | 22.00                        | 20.81                  | 20.79        | 20.92        |               | 1/14           | 22.00                        | 20.75                  | 20.83        | 20.90        |
|                 | 3/0            | 22.00                        | 20.92                  | 20.89        | 20.99        |               | 8/0            | 21.00                        | 20.87                  | 20.85        | 20.98        |
|                 | 3/1            | 22.00                        | 20.95                  | 20.95        | 20.94        |               | 8/3            | 21.00                        | 20.90                  | 20.93        | 21.00        |
|                 | 3/3            | 22.00                        | 20.92                  | 20.91        | 20.92        |               | 8/7            | 21.00                        | 20.90                  | 20.94        | 20.96        |
|                 | 6/0            | 21.00                        | 20.93                  | 20.81        | 20.88        |               | 15/0           | 21.00                        | 20.82                  | 20.84        | 20.94        |
| 64QAM           | 1/0            | 21.00                        | 19.98                  | 20.13        | 20.08        | 64QAM         | 1/0            | 21.00                        | 19.93                  | 19.69        | 19.88        |
|                 | 1/2            | 21.00                        | 20.09                  | 20.12        | 20.09        |               | 1/7            | 21.00                        | 19.68                  | 19.64        | 19.72        |
|                 | 1/5            | 21.00                        | 19.91                  | 19.85        | 19.90        |               | 1/14           | 21.00                        | 19.80                  | 19.94        | 19.86        |
|                 | 3/0            | 21.00                        | 20.15                  | 19.91        | 19.99        |               | 8/0            | 20.00                        | 18.59                  | 18.77        | 18.68        |
|                 | 3/1            | 21.00                        | 19.88                  | 19.71        | 19.60        |               | 8/3            | 20.00                        | 18.92                  | 18.88        | 18.86        |
|                 | 3/3            | 21.00                        | 19.94                  | 19.86        | 19.95        |               | 8/7            | 20.00                        | 19.06                  | 18.89        | 18.95        |
|                 | 6/0            | 20.00                        | 19.01                  | 18.81        | 18.86        |               | 15/0           | 20.00                        | 18.88                  | 18.87        | 18.92        |

| LTE B25/BW=5M |                | Average Conducted Power(dBm) |                        |              |              | LTE B25/BW=10M |                | Average Conducted Power(dBm) |                        |              |            |
|---------------|----------------|------------------------------|------------------------|--------------|--------------|----------------|----------------|------------------------------|------------------------|--------------|------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |            |
|               |                |                              | 26065/1852.5           | 26365/1882.5 | 26665/1912.5 |                |                |                              | 26090/1855             | 26365/1882.5 | 26640/1910 |
| QPSK          | 1/0            | 22.00                        | 20.86                  | 20.91        | 20.88        | QPSK           | 1/0            | 22.00                        | 20.90                  | 20.92        | 20.89      |
|               | 1/12           | 22.00                        | 20.89                  | 20.72        | 20.89        |                | 1/24           | 22.00                        | 20.93                  | 20.97        | 20.97      |
|               | 1/24           | 22.00                        | 20.92                  | 20.95        | 20.97        |                | 1/49           | 22.00                        | 20.97                  | 20.94        | 20.95      |
|               | 12/0           | 22.00                        | 20.63                  | 20.68        | 20.76        |                | 25/0           | 22.00                        | 20.84                  | 20.78        | 20.83      |
|               | 12/6           | 22.00                        | 20.71                  | 20.75        | 20.72        |                | 25/12          | 22.00                        | 20.82                  | 20.89        | 20.86      |
|               | 12/13          | 22.00                        | 20.70                  | 20.72        | 20.76        |                | 25/25          | 22.00                        | 20.86                  | 20.86        | 20.94      |
|               | 25/0           | 22.00                        | 20.71                  | 20.74        | 20.74        |                | 50/0           | 22.00                        | 20.83                  | 20.88        | 20.84      |
| 16QAM         | 1/0            | 22.00                        | 20.82                  | 20.78        | 20.84        | 16QAM          | 1/0            | 22.00                        | 20.79                  | 20.86        | 20.91      |
|               | 1/12           | 22.00                        | 20.90                  | 20.87        | 20.90        |                | 1/24           | 22.00                        | 20.81                  | 20.86        | 20.96      |
|               | 1/24           | 22.00                        | 20.80                  | 20.82        | 20.90        |                | 1/49           | 22.00                        | 20.80                  | 20.84        | 20.95      |
|               | 12/0           | 21.00                        | 20.95                  | 20.79        | 20.96        |                | 25/0           | 21.00                        | 20.85                  | 20.82        | 20.82      |
|               | 12/6           | 21.00                        | 20.87                  | 20.90        | 20.94        |                | 25/12          | 21.00                        | 20.88                  | 20.92        | 20.86      |
|               | 12/13          | 21.00                        | 20.95                  | 20.88        | 20.97        |                | 25/25          | 21.00                        | 20.90                  | 20.88        | 20.92      |
|               | 25/0           | 21.00                        | 20.88                  | 20.83        | 20.92        |                | 50/0           | 21.00                        | 20.84                  | 20.88        | 20.84      |
| 64QAM         | 1/0            | 21.00                        | 19.63                  | 19.82        | 20.02        | 64QAM          | 1/0            | 21.00                        | 20.22                  | 20.17        | 20.19      |
|               | 1/12           | 21.00                        | 20.01                  | 20.04        | 19.96        |                | 1/24           | 21.00                        | 20.21                  | 20.40        | 20.30      |
|               | 1/24           | 21.00                        | 19.82                  | 19.80        | 19.86        |                | 1/49           | 21.00                        | 19.96                  | 20.04        | 19.99      |
|               | 12/0           | 20.00                        | 18.88                  | 18.91        | 18.75        |                | 25/0           | 20.00                        | 18.76                  | 18.63        | 18.79      |
|               | 12/6           | 20.00                        | 18.97                  | 18.98        | 18.86        |                | 25/12          | 20.00                        | 19.12                  | 18.99        | 18.87      |
|               | 12/13          | 20.00                        | 18.93                  | 19.09        | 18.82        |                | 25/25          | 20.00                        | 18.73                  | 18.92        | 18.98      |
|               | 25/0           | 20.00                        | 18.91                  | 18.89        | 18.81        |                | 50/0           | 20.00                        | 18.90                  | 18.89        | 18.84      |

| LTE B25/BW=15M |                | Average Conducted Power(dBm) |                        |              |              | LTE B25/BW=20M |                | Average Conducted Power(dBm) |                        |              |              |
|----------------|----------------|------------------------------|------------------------|--------------|--------------|----------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|                |                |                              | 26115/1857.5           | 26365/1882.5 | 26615/1907.5 |                |                |                              | 26140/1860             | 26365/1882.5 | 26590/1905   |
| QPSK           | 1/0            | 22.00                        | 20.93                  | 20.94        | 21.00        | QPSK           | 1/0            | 22.00                        | <b>20.89</b>           | <b>20.95</b> | <b>21.04</b> |
|                | 1/37           | 22.00                        | 20.96                  | 20.98        | 20.98        |                | 1/50           | 22.00                        | 20.82                  | 20.93        | 20.95        |
|                | 1/74           | 22.00                        | 20.88                  | 20.90        | 20.93        |                | 1/99           | 22.00                        | 20.72                  | 20.83        | 20.87        |
|                | 36/0           | 22.00                        | 20.67                  | 20.62        | 20.74        |                | 50/0           | 22.00                        | 20.83                  | 20.77        | 20.88        |
|                | 36/19          | 22.00                        | 20.70                  | 20.65        | 20.77        |                | 50/25          | 22.00                        | 20.85                  | <b>20.94</b> | 20.89        |
|                | 36/39          | 22.00                        | 20.70                  | 20.73        | 20.77        |                | 50/50          | 22.00                        | 20.83                  | 20.84        | 20.93        |
|                | 75/0           | 22.00                        | 20.70                  | 20.72        | 20.79        |                | 100/0          | 22.00                        | 20.71                  | 20.74        | 20.76        |
| 16QAM          | 1/0            | 22.00                        | 20.61                  | 20.64        | 20.71        | 16QAM          | 1/0            | 22.00                        | 20.62                  | 20.67        | 20.74        |
|                | 1/37           | 22.00                        | 20.60                  | 20.65        | 20.67        |                | 1/50           | 22.00                        | 20.60                  | 20.70        | 20.71        |
|                | 1/74           | 22.00                        | 20.68                  | 20.62        | 20.66        |                | 1/99           | 22.00                        | 20.56                  | 20.60        | 20.66        |
|                | 36/0           | 21.00                        | 20.68                  | 20.90        | 20.72        |                | 50/0           | 21.00                        | 20.63                  | 20.67        | 20.76        |
|                | 36/19          | 21.00                        | 20.68                  | 20.63        | 20.76        |                | 50/25          | 21.00                        | 20.75                  | 20.76        | 20.72        |
|                | 36/39          | 21.00                        | 20.73                  | 20.72        | 20.81        |                | 50/50          | 21.00                        | 20.72                  | 20.71        | 20.76        |
|                | 75/0           | 21.00                        | 20.71                  | 20.72        | 20.83        |                | 100/0          | 21.00                        | 20.72                  | 20.74        | 20.73        |
| 64QAM          | 1/0            | 21.00                        | 19.99                  | 20.13        | 20.30        | 64QAM          | 1/0            | 21.00                        | 19.92                  | 19.95        | 20.04        |
|                | 1/37           | 21.00                        | 19.78                  | 19.85        | 19.84        |                | 1/50           | 21.00                        | 20.14                  | 19.97        | 19.93        |
|                | 1/74           | 21.00                        | 19.96                  | 19.73        | 19.76        |                | 1/99           | 21.00                        | 19.83                  | 19.76        | 19.76        |
|                | 36/0           | 20.00                        | 18.61                  | 18.48        | 18.54        |                | 50/0           | 20.00                        | 18.66                  | 18.71        | 18.77        |
|                | 36/19          | 20.00                        | 18.67                  | 18.51        | 18.74        |                | 50/25          | 20.00                        | 18.79                  | 18.87        | 18.63        |
|                | 36/39          | 20.00                        | 18.87                  | 18.81        | 18.83        |                | 50/50          | 20.00                        | 18.90                  | 18.94        | 18.86        |
|                | 75/0           | 20.00                        | 18.94                  | 18.79        | 18.89        |                | 100/0          | 20.00                        | 18.75                  | 18.72        | 18.74        |

## Ant 1 Sensor off

| LTE B25/BW=1.4M |                | Average Conducted Power(dBm) |                        |              |              | LTE B25/BW=3M |                | Average Conducted Power(dBm) |                        |              |              |
|-----------------|----------------|------------------------------|------------------------|--------------|--------------|---------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation      | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|                 |                |                              | 26047/1850.7           | 26365/1882.5 | 26683/1914.3 |               |                |                              | 26055/1851.5           | 26365/1882.5 | 26675/1913.5 |
| QPSK            | 1/0            | 24.00                        | 22.57                  | 22.62        | 22.53        | QPSK          | 1/0            | 24.00                        | 22.27                  | 22.61        | 22.32        |
|                 | 1/2            | 24.00                        | 22.48                  | 22.60        | 22.62        |               | 1/7            | 24.00                        | 22.27                  | 22.68        | 23.05        |
|                 | 1/5            | 24.00                        | 22.39                  | 22.53        | 22.47        |               | 1/14           | 24.00                        | 22.19                  | 22.15        | 22.40        |
|                 | 3/0            | 24.00                        | 22.85                  | 22.41        | 22.64        |               | 8/0            | 23.00                        | 22.18                  | 22.24        | 22.11        |
|                 | 3/1            | 24.00                        | 22.33                  | 22.94        | 22.62        |               | 8/3            | 23.00                        | 21.76                  | 22.25        | 22.52        |
|                 | 3/3            | 24.00                        | 22.28                  | 22.92        | 22.05        |               | 8/7            | 23.00                        | 21.75                  | 22.32        | 22.07        |
|                 | 6/0            | 23.00                        | 21.71                  | 22.26        | 21.35        |               | 15/0           | 23.00                        | 21.95                  | 22.14        | 22.30        |
| 16QAM           | 1/0            | 23.00                        | 21.97                  | 21.63        | 21.71        | 16QAM         | 1/0            | 23.00                        | 22.06                  | 22.18        | 22.34        |
|                 | 1/2            | 23.00                        | 22.05                  | 21.64        | 22.20        |               | 1/7            | 23.00                        | 22.01                  | 22.25        | 22.36        |
|                 | 1/5            | 23.00                        | 21.97                  | 21.66        | 21.75        |               | 1/14           | 23.00                        | 21.99                  | 22.19        | 21.16        |
|                 | 3/0            | 23.00                        | 21.92                  | 21.46        | 21.62        |               | 8/0            | 22.00                        | 20.84                  | 20.93        | 20.72        |
|                 | 3/1            | 23.00                        | 21.90                  | 21.55        | 22.03        |               | 8/3            | 22.00                        | 20.84                  | 20.93        | 20.76        |
|                 | 3/3            | 23.00                        | 21.95                  | 21.59        | 22.02        |               | 8/7            | 22.00                        | 20.83                  | 21.00        | 20.73        |
|                 | 6/0            | 22.00                        | 20.29                  | 20.34        | 20.47        |               | 15/0           | 22.00                        | 20.85                  | 20.98        | 20.62        |
| 64QAM           | 1/0            | 22.00                        | 20.36                  | 20.28        | 20.39        | 64QAM         | 1/0            | 22.00                        | 20.46                  | 20.44        | 20.43        |
|                 | 1/2            | 22.00                        | 20.39                  | 20.27        | 20.27        |               | 1/7            | 22.00                        | 20.31                  | 20.44        | 20.36        |
|                 | 1/5            | 22.00                        | 20.44                  | 20.42        | 20.46        |               | 1/14           | 22.00                        | 20.42                  | 20.40        | 20.31        |
|                 | 3/0            | 22.00                        | 20.23                  | 20.39        | 20.28        |               | 8/0            | 21.00                        | 19.33                  | 19.45        | 19.43        |
|                 | 3/1            | 22.00                        | 20.27                  | 20.40        | 20.34        |               | 8/3            | 21.00                        | 19.33                  | 19.32        | 19.39        |
|                 | 3/3            | 22.00                        | 20.41                  | 20.42        | 20.34        |               | 8/7            | 21.00                        | 19.34                  | 19.31        | 19.31        |
|                 | 6/0            | 21.00                        | 19.28                  | 19.30        | 19.31        |               | 15/0           | 21.00                        | 19.29                  | 19.44        | 19.42        |

| LTE B25/BW=5M |                | Average Conducted Power(dBm) |                        |              |              | LTE B25/BW=10M |                | Average Conducted Power(dBm) |                        |              |            |
|---------------|----------------|------------------------------|------------------------|--------------|--------------|----------------|----------------|------------------------------|------------------------|--------------|------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |            |
|               |                |                              | 26065/1852.5           | 26365/1882.5 | 26665/1912.5 |                |                |                              | 26090/1855             | 26365/1882.5 | 26640/1910 |
| QPSK          | 1/0            | 24.00                        | 22.56                  | 22.82        | 22.52        | QPSK           | 1/0            | 24.00                        | 22.48                  | 22.82        | 22.68      |
|               | 1/12           | 24.00                        | 22.57                  | 22.97        | 22.69        |                | 1/24           | 24.00                        | 22.50                  | 23.00        | 22.70      |
|               | 1/24           | 24.00                        | 22.55                  | 22.79        | 22.56        |                | 1/49           | 24.00                        | 22.54                  | 22.94        | 22.74      |
|               | 12/0           | 23.00                        | 22.07                  | 22.16        | 22.14        |                | 25/0           | 23.00                        | 22.02                  | 22.05        | 22.22      |
|               | 12/6           | 23.00                        | 21.86                  | 22.01        | 22.32        |                | 25/12          | 23.00                        | 21.92                  | 22.28        | 22.23      |
|               | 12/13          | 23.00                        | 22.07                  | 22.23        | 22.19        |                | 25/25          | 23.00                        | 21.95                  | 22.02        | 22.27      |
|               | 25/0           | 23.00                        | 22.00                  | 22.03        | 22.33        |                | 50/0           | 23.00                        | 22.05                  | 22.17        | 22.31      |
| 16QAM         | 1/0            | 23.00                        | 22.15                  | 22.20        | 22.42        | 16QAM          | 1/0            | 23.00                        | 22.10                  | 22.13        | 22.28      |
|               | 1/12           | 23.00                        | 22.27                  | 22.25        | 22.51        |                | 1/24           | 23.00                        | 22.15                  | 22.24        | 22.36      |
|               | 1/24           | 23.00                        | 22.15                  | 22.17        | 22.44        |                | 1/49           | 23.00                        | 22.09                  | 22.12        | 22.34      |
|               | 12/0           | 22.00                        | 20.87                  | 20.85        | 21.11        |                | 25/0           | 22.00                        | 20.84                  | 20.89        | 21.04      |
|               | 12/6           | 22.00                        | 20.88                  | 20.86        | 21.14        |                | 25/12          | 22.00                        | 20.90                  | 21.01        | 21.07      |
|               | 12/13          | 22.00                        | 20.88                  | 20.92        | 21.14        |                | 25/25          | 22.00                        | 20.94                  | 20.96        | 21.12      |
|               | 25/0           | 22.00                        | 20.80                  | 20.90        | 21.08        |                | 50/0           | 22.00                        | 20.85                  | 20.91        | 21.03      |
| 64QAM         | 1/0            | 22.00                        | 20.47                  | 20.43        | 20.27        | 64QAM          | 1/0            | 22.00                        | 20.29                  | 20.34        | 20.34      |
|               | 1/12           | 22.00                        | 20.33                  | 20.36        | 20.43        |                | 1/24           | 22.00                        | 20.30                  | 20.34        | 20.41      |
|               | 1/24           | 22.00                        | 20.45                  | 20.43        | 20.35        |                | 1/49           | 22.00                        | 20.45                  | 20.36        | 20.27      |
|               | 12/0           | 21.00                        | 19.40                  | 19.43        | 19.30        |                | 25/0           | 21.00                        | 19.45                  | 19.42        | 19.27      |
|               | 12/6           | 21.00                        | 19.41                  | 19.42        | 19.39        |                | 25/12          | 21.00                        | 19.28                  | 19.29        | 19.41      |
|               | 12/13          | 21.00                        | 19.45                  | 19.27        | 19.41        |                | 25/25          | 21.00                        | 19.41                  | 19.47        | 19.31      |
|               | 25/0           | 21.00                        | 19.40                  | 19.31        | 19.30        |                | 50/0           | 21.00                        | 19.34                  | 19.38        | 19.38      |

| LTE B25/BW=15M |                | Average Conducted Power(dBm) |                        |              |              | LTE B25/BW=20M |                | Average Conducted Power(dBm) |                        |              |              |
|----------------|----------------|------------------------------|------------------------|--------------|--------------|----------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|                |                |                              | 26115/1857.5           | 26365/1882.5 | 26615/1907.5 |                |                |                              | 26140/1860             | 26365/1882.5 | 26590/1905   |
| QPSK           | 1/0            | 24.00                        | 22.36                  | 22.75        | 22.64        | QPSK           | 1/0            | 24.00                        | <b>22.69</b>           | <b>23.10</b> | <b>22.88</b> |
|                | 1/37           | 24.00                        | 22.47                  | 22.68        | 22.62        |                | 1/50           | 24.00                        | 22.74                  | 22.92        | 22.84        |
|                | 1/74           | 24.00                        | 22.44                  | 22.73        | 22.30        |                | 1/99           | 24.00                        | 22.75                  | 22.94        | 22.93        |
|                | 36/0           | 23.00                        | 21.75                  | 22.07        | 21.97        |                | 50/0           | 23.00                        | 21.90                  | 22.01        | 21.92        |
|                | 36/19          | 23.00                        | 21.94                  | 21.85        | 22.53        |                | 50/25          | 23.00                        | 21.98                  | <b>22.12</b> | 21.88        |
|                | 36/39          | 23.00                        | 21.86                  | 21.89        | 22.20        |                | 50/50          | 23.00                        | 21.93                  | 22.12        | 22.02        |
|                | 75/0           | 23.00                        | 21.92                  | 21.97        | 21.96        |                | 100/0          | 23.00                        | 21.96                  | 21.94        | 22.22        |
| 16QAM          | 1/0            | 23.00                        | 22.03                  | 22.02        | 22.10        | 16QAM          | 1/0            | 23.00                        | 22.01                  | 22.04        | 22.12        |
|                | 1/37           | 23.00                        | 22.01                  | 22.05        | 22.07        |                | 1/50           | 23.00                        | 22.02                  | 22.11        | 21.73        |
|                | 1/74           | 23.00                        | 21.92                  | 22.01        | 21.40        |                | 1/99           | 23.00                        | 21.94                  | 22.01        | 21.17        |
|                | 36/0           | 22.00                        | 20.64                  | 20.76        | 20.43        |                | 50/0           | 22.00                        | 20.81                  | 20.76        | 20.52        |
|                | 36/19          | 22.00                        | 20.70                  | 20.76        | 20.27        |                | 50/25          | 22.00                        | 20.76                  | 20.74        | 20.48        |
|                | 36/39          | 22.00                        | 20.72                  | 20.80        | 20.47        |                | 50/50          | 22.00                        | 20.72                  | 20.78        | 20.38        |
|                | 75/0           | 22.00                        | 20.73                  | 20.74        | 20.32        |                | 100/0          | 22.00                        | 20.74                  | 20.72        | 20.48        |
| 64QAM          | 1/0            | 22.00                        | 20.38                  | 20.36        | 20.46        | 64QAM          | 1/0            | 22.00                        | 20.27                  | 20.32        | 20.28        |
|                | 1/37           | 22.00                        | 20.42                  | 20.41        | 20.41        |                | 1/50           | 22.00                        | 20.37                  | 20.32        | 20.29        |
|                | 1/74           | 22.00                        | 20.34                  | 20.37        | 20.32        |                | 1/99           | 22.00                        | 20.30                  | 20.39        | 20.46        |
|                | 36/0           | 21.00                        | 19.37                  | 19.29        | 19.36        |                | 50/0           | 21.00                        | 19.28                  | 19.34        | 19.28        |
|                | 36/19          | 21.00                        | 19.42                  | 19.35        | 19.45        |                | 50/25          | 21.00                        | 19.45                  | 19.43        | 19.46        |
|                | 36/39          | 21.00                        | 19.42                  | 19.29        | 19.41        |                | 50/50          | 21.00                        | 19.27                  | 19.42        | 19.28        |
|                | 75/0           | 21.00                        | 19.30                  | 19.35        | 19.32        |                | 100/0          | 21.00                        | 19.40                  | 19.28        | 19.45        |

## Ant 1 Hotspot on

| LTE B25/BW=1.4M |                | Average Conducted Power(dBm) |                        |              |              | LTE B25/BW=3M |                | Average Conducted Power(dBm) |                        |              |              |
|-----------------|----------------|------------------------------|------------------------|--------------|--------------|---------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation      | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|                 |                |                              | 26047/1850.7           | 26365/1882.5 | 26683/1914.3 |               |                |                              | 26055/1851.5           | 26365/1882.5 | 26675/1913.5 |
| QPSK            | 1/0            | 23.00                        | 21.99                  | 22.07        | 22.11        | QPSK          | 1/0            | 23.00                        | 22.19                  | 22.08        | 22.15        |
|                 | 1/2            | 23.00                        | 21.90                  | 22.12        | 22.09        |               | 1/7            | 23.00                        | 22.20                  | 22.13        | 22.15        |
|                 | 1/5            | 23.00                        | 21.95                  | 22.11        | 22.01        |               | 1/14           | 23.00                        | 22.11                  | 22.06        | 21.99        |
|                 | 3/0            | 23.00                        | 21.85                  | 21.80        | 21.89        |               | 8/0            | 22.00                        | 21.85                  | 21.76        | 21.92        |
|                 | 3/1            | 23.00                        | 21.85                  | 21.81        | 21.89        |               | 8/3            | 22.00                        | 21.85                  | 21.84        | 21.94        |
|                 | 3/3            | 23.00                        | 21.81                  | 21.82        | 21.92        |               | 8/7            | 22.00                        | 21.82                  | 21.83        | 21.89        |
|                 | 6/0            | 22.00                        | 21.82                  | 21.82        | 21.91        |               | 15/0           | 22.00                        | 21.82                  | 21.81        | 21.90        |
| 16QAM           | 1/0            | 22.00                        | 21.86                  | 21.79        | 21.87        | 16QAM         | 1/0            | 22.00                        | 21.77                  | 21.78        | 21.86        |
|                 | 1/2            | 22.00                        | 21.88                  | 21.79        | 21.90        |               | 1/7            | 22.00                        | 21.84                  | 21.87        | 21.96        |
|                 | 1/5            | 22.00                        | 21.82                  | 21.80        | 21.86        |               | 1/14           | 22.00                        | 21.77                  | 21.78        | 21.87        |
|                 | 3/0            | 22.00                        | 21.87                  | 21.93        | 21.98        |               | 8/0            | 21.00                        | 20.85                  | 20.79        | 20.91        |
|                 | 3/1            | 22.00                        | 21.88                  | 21.93        | 21.96        |               | 8/3            | 21.00                        | 20.87                  | 20.88        | 20.97        |
|                 | 3/3            | 22.00                        | 21.88                  | 21.92        | 21.92        |               | 8/7            | 21.00                        | 20.86                  | 20.83        | 20.92        |
|                 | 6/0            | 21.00                        | 20.86                  | 20.79        | 20.93        |               | 15/0           | 21.00                        | 20.82                  | 20.86        | 20.93        |
| 64QAM           | 1/0            | 21.00                        | 20.66                  | 20.79        | 20.84        | 64QAM         | 1/0            | 21.00                        | 20.67                  | 20.88        | 20.92        |
|                 | 1/2            | 21.00                        | 20.57                  | 20.54        | 20.63        |               | 1/7            | 21.00                        | 20.87                  | 20.93        | 20.92        |
|                 | 1/5            | 21.00                        | 20.43                  | 20.48        | 20.39        |               | 1/14           | 21.00                        | 20.70                  | 20.75        | 20.68        |
|                 | 3/0            | 21.00                        | 20.60                  | 20.52        | 20.59        |               | 8/0            | 20.00                        | 19.68                  | 19.67        | 19.54        |
|                 | 3/1            | 21.00                        | 20.72                  | 20.83        | 20.75        |               | 8/3            | 20.00                        | 19.71                  | 19.68        | 19.70        |
|                 | 3/3            | 21.00                        | 20.89                  | 20.78        | 20.92        |               | 8/7            | 20.00                        | 19.75                  | 19.70        | 19.76        |
|                 | 6/0            | 20.00                        | 19.74                  | 19.81        | 19.85        |               | 15/0           | 20.00                        | 19.70                  | 19.80        | 19.78        |

| LTE B25/BW=5M |                | Average Conducted Power(dBm) |                        |              |              | LTE B25/BW=10M |                | Average Conducted Power(dBm) |                        |              |            |
|---------------|----------------|------------------------------|------------------------|--------------|--------------|----------------|----------------|------------------------------|------------------------|--------------|------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |            |
|               |                |                              | 26065/1852.5           | 26365/1882.5 | 26665/1912.5 |                |                |                              | 26090/1855             | 26365/1882.5 | 26640/1910 |
| QPSK          | 1/0            | 23.00                        | 21.99                  | 22.00        | 21.97        | QPSK           | 1/0            | 23.00                        | 22.16                  | 22.10        | 22.13      |
|               | 1/12           | 23.00                        | 21.97                  | 21.94        | 22.01        |                | 1/24           | 23.00                        | 22.16                  | 22.18        | 22.09      |
|               | 1/24           | 23.00                        | 21.90                  | 21.94        | 21.94        |                | 1/49           | 23.00                        | 22.10                  | 22.12        | 22.07      |
|               | 12/0           | 22.00                        | 21.60                  | 21.64        | 21.72        |                | 25/0           | 22.00                        | 21.83                  | 21.79        | 21.83      |
|               | 12/6           | 22.00                        | 21.68                  | 21.71        | 21.72        |                | 25/12          | 22.00                        | 21.84                  | 21.85        | 21.83      |
|               | 12/13          | 22.00                        | 21.67                  | 21.70        | 21.74        |                | 25/25          | 22.00                        | 21.85                  | 21.84        | 21.89      |
|               | 25/0           | 22.00                        | 21.68                  | 21.71        | 21.74        |                | 50/0           | 22.00                        | 21.84                  | 21.85        | 21.82      |
| 16QAM         | 1/0            | 22.00                        | 21.81                  | 21.75        | 21.87        | 16QAM          | 1/0            | 22.00                        | 21.78                  | 21.81        | 21.84      |
|               | 1/12           | 22.00                        | 21.87                  | 21.85        | 21.89        |                | 1/24           | 22.00                        | 21.78                  | 21.84        | 21.92      |
|               | 1/24           | 22.00                        | 21.79                  | 21.80        | 21.91        |                | 1/49           | 22.00                        | 21.81                  | 21.82        | 21.90      |
|               | 12/0           | 21.00                        | 20.81                  | 20.75        | 20.95        |                | 25/0           | 21.00                        | 20.83                  | 20.76        | 20.83      |
|               | 12/6           | 21.00                        | 20.84                  | 20.84        | 20.97        |                | 25/12          | 21.00                        | 20.86                  | 20.84        | 20.85      |
|               | 12/13          | 21.00                        | 20.83                  | 20.86        | 20.97        |                | 25/25          | 21.00                        | 20.83                  | 20.87        | 20.93      |
|               | 25/0           | 21.00                        | 20.77                  | 20.83        | 20.88        |                | 50/0           | 21.00                        | 20.85                  | 20.83        | 20.82      |
| 64QAM         | 1/0            | 21.00                        | 20.84                  | 20.75        | 20.53        | 64QAM          | 1/0            | 21.00                        | 20.75                  | 20.26        | 20.87      |
|               | 1/12           | 21.00                        | 20.82                  | 20.81        | 20.84        |                | 1/24           | 21.00                        | 20.74                  | 20.73        | 20.70      |
|               | 1/24           | 21.00                        | 20.77                  | 20.79        | 20.84        |                | 1/49           | 21.00                        | 20.74                  | 20.76        | 20.67      |
|               | 12/0           | 20.00                        | 19.57                  | 19.54        | 19.59        |                | 25/0           | 20.00                        | 19.59                  | 19.59        | 19.56      |
|               | 12/6           | 20.00                        | 19.75                  | 19.64        | 19.73        |                | 25/12          | 20.00                        | 19.73                  | 19.71        | 19.65      |
|               | 12/13          | 20.00                        | 19.80                  | 19.78        | 19.82        |                | 25/25          | 20.00                        | 19.54                  | 19.64        | 19.63      |
|               | 25/0           | 20.00                        | 19.72                  | 19.77        | 19.81        |                | 50/0           | 20.00                        | 19.57                  | 19.70        | 19.60      |

| LTE B25/BW=15M |                | Average Conducted Power(dBm) |                        |              |              | LTE B25/BW=20M |                | Average Conducted Power(dBm) |                        |              |              |
|----------------|----------------|------------------------------|------------------------|--------------|--------------|----------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|                |                |                              | 26115/1857.5           | 26365/1882.5 | 26615/1907.5 |                |                |                              | 26140/1860             | 26365/1882.5 | 26590/1905   |
| QPSK           | 1/0            | 23.00                        | 21.99                  | 21.94        | 21.94        | QPSK           | 1/0            | 23.00                        | 22.09                  | 22.19        | 22.20        |
|                | 1/37           | 23.00                        | 21.98                  | 21.87        | 21.96        |                | 1/50           | 23.00                        | <b>22.20</b>           | <b>22.24</b> | <b>22.29</b> |
|                | 1/74           | 23.00                        | 22.00                  | 21.90        | 21.98        |                | 1/99           | 23.00                        | 22.09                  | 22.24        | 22.18        |
|                | 36/0           | 22.00                        | 21.68                  | 21.58        | 21.69        |                | 50/0           | 22.00                        | 21.85                  | 21.90        | <b>21.92</b> |
|                | 36/19          | 22.00                        | 21.70                  | 21.64        | 21.76        |                | 50/25          | 22.00                        | 21.83                  | 21.76        | 21.86        |
|                | 36/39          | 22.00                        | 21.68                  | 21.70        | 21.75        |                | 50/50          | 22.00                        | 21.82                  | 21.83        | 21.88        |
|                | 75/0           | 22.00                        | 21.70                  | 21.73        | 21.79        |                | 100/0          | 22.00                        | 21.81                  | 21.86        | 21.89        |
| 16QAM          | 1/0            | 22.00                        | 21.63                  | 21.66        | 21.66        | 16QAM          | 1/0            | 22.00                        | 21.61                  | 21.70        | 21.69        |
|                | 1/37           | 22.00                        | 21.57                  | 21.61        | 21.69        |                | 1/50           | 22.00                        | 21.57                  | 21.67        | 21.70        |
|                | 1/74           | 22.00                        | 21.66                  | 21.58        | 21.62        |                | 1/99           | 22.00                        | 21.60                  | 21.59        | 21.65        |
|                | 36/0           | 21.00                        | 20.70                  | 20.69        | 20.71        |                | 50/0           | 21.00                        | 20.64                  | 20.64        | 20.74        |
|                | 36/19          | 21.00                        | 20.70                  | 20.64        | 20.79        |                | 50/25          | 21.00                        | 20.70                  | 20.71        | 20.72        |
|                | 36/39          | 21.00                        | 20.74                  | 20.73        | 20.78        |                | 50/50          | 21.00                        | 20.70                  | 20.69        | 20.76        |
|                | 75/0           | 21.00                        | 20.72                  | 20.70        | 20.78        |                | 100/0          | 21.00                        | 20.71                  | 20.73        | 20.72        |
| 64QAM          | 1/0            | 21.00                        | 20.64                  | 20.50        | 20.89        | 64QAM          | 1/0            | 21.00                        | 20.69                  | 20.50        | 20.59        |
|                | 1/37           | 21.00                        | 20.28                  | 20.31        | 20.41        |                | 1/50           | 21.00                        | 20.85                  | 20.83        | 20.81        |
|                | 1/74           | 21.00                        | 20.57                  | 20.55        | 20.47        |                | 1/99           | 21.00                        | 20.40                  | 20.35        | 20.41        |
|                | 36/0           | 20.00                        | 19.54                  | 19.46        | 19.47        |                | 50/0           | 20.00                        | 19.57                  | 19.54        | 19.54        |
|                | 36/19          | 20.00                        | 19.42                  | 19.42        | 19.38        |                | 50/25          | 20.00                        | 19.61                  | 19.57        | 19.52        |
|                | 36/39          | 20.00                        | 19.46                  | 19.54        | 19.45        |                | 50/50          | 20.00                        | 19.57                  | 19.49        | 19.52        |
|                | 75/0           | 20.00                        | 19.52                  | 19.60        | 19.47        |                | 100/0          | 20.00                        | 19.53                  | 19.61        | 19.59        |

Note: The tested channel results are marks in bold.

## 15. Conducted power measurement results of LTE B26

Ant 0\_Receiver on &amp; Sensor off &amp; Hotspot on

| LTE B26/BW=1.4M |                | Average Conducted Power(dBm) |                        |             |             | LTE B26/BW=3M |                | Average Conducted Power(dBm) |                        |             |             |
|-----------------|----------------|------------------------------|------------------------|-------------|-------------|---------------|----------------|------------------------------|------------------------|-------------|-------------|
| Modulation      | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |             |             | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |             |             |
|                 |                |                              | 26697/814.7            | 26865/831.5 | 27033/848.3 |               |                |                              | 26705/815.5            | 26865/831.5 | 27025/847.5 |
| QPSK            | 1/0            | 24.00                        | 22.96                  | 23.19       | 22.95       | QPSK          | 1/0            | 24.00                        | 22.86                  | 22.88       | 22.97       |
|                 | 1/2            | 24.00                        | 23.01                  | 22.96       | 23.05       |               | 1/7            | 24.00                        | 23.03                  | 23.00       | 23.07       |
|                 | 1/5            | 24.00                        | 22.97                  | 23.19       | 22.99       |               | 1/14           | 24.00                        | 22.91                  | 22.92       | 22.93       |
|                 | 3/0            | 24.00                        | 22.92                  | 22.89       | 23.03       |               | 8/0            | 23.00                        | 21.93                  | 22.21       | 22.40       |
|                 | 3/1            | 24.00                        | 22.95                  | 22.95       | 23.01       |               | 8/3            | 23.00                        | 22.02                  | 22.30       | 22.38       |
|                 | 3/3            | 24.00                        | 22.97                  | 22.83       | 22.97       |               | 8/7            | 23.00                        | 21.97                  | 22.36       | 22.44       |
|                 | 6/0            | 23.00                        | 21.88                  | 22.23       | 22.41       |               | 15/0           | 23.00                        | 22.14                  | 22.28       | 22.49       |
| 16QAM           | 1/0            | 23.00                        | 22.10                  | 22.69       | 22.61       | 16QAM         | 1/0            | 23.00                        | 22.28                  | 22.68       | 22.64       |
|                 | 1/2            | 23.00                        | 22.16                  | 22.59       | 22.73       |               | 1/7            | 23.00                        | 22.40                  | 22.64       | 22.72       |
|                 | 1/5            | 23.00                        | 22.16                  | 22.61       | 22.65       |               | 1/14           | 23.00                        | 22.39                  | 22.68       | 22.62       |
|                 | 3/0            | 23.00                        | 22.04                  | 22.38       | 22.59       |               | 8/0            | 22.00                        | 21.11                  | 21.29       | 21.56       |
|                 | 3/1            | 23.00                        | 22.02                  | 22.48       | 22.54       |               | 8/3            | 22.00                        | 21.08                  | 21.53       | 21.55       |
|                 | 3/3            | 23.00                        | 22.05                  | 22.50       | 22.53       |               | 8/7            | 22.00                        | 21.20                  | 21.47       | 21.48       |
|                 | 6/0            | 22.00                        | 20.96                  | 21.33       | 21.42       |               | 15/0           | 22.00                        | 21.10                  | 21.39       | 21.43       |
| 64QAM           | 1/0            | 22.00                        | 20.16                  | 20.14       | 20.22       | 64QAM         | 1/0            | 22.00                        | 20.30                  | 20.18       | 20.13       |
|                 | 1/2            | 22.00                        | 20.18                  | 20.15       | 20.25       |               | 1/7            | 22.00                        | 20.18                  | 20.16       | 20.17       |
|                 | 1/5            | 22.00                        | 20.24                  | 20.23       | 20.06       |               | 1/14           | 22.00                        | 20.25                  | 20.22       | 20.19       |
|                 | 3/0            | 22.00                        | 20.30                  | 20.21       | 20.19       |               | 8/0            | 21.00                        | 19.17                  | 19.22       | 19.10       |
|                 | 3/1            | 22.00                        | 20.22                  | 20.26       | 20.30       |               | 8/3            | 21.00                        | 19.14                  | 19.33       | 19.09       |
|                 | 3/3            | 22.00                        | 20.29                  | 20.09       | 20.26       |               | 8/7            | 21.00                        | 19.25                  | 19.34       | 19.24       |
|                 | 6/0            | 21.00                        | 19.16                  | 19.12       | 19.24       |               | 15/0           | 21.00                        | 19.15                  | 19.33       | 19.17       |

| LTE B26/BW=5M |                | Average Conducted Power(dBm) |                        |             |             | LTE B26/BW=10M |                | Average Conducted Power(dBm) |                        |             |           |
|---------------|----------------|------------------------------|------------------------|-------------|-------------|----------------|----------------|------------------------------|------------------------|-------------|-----------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |             |             | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |             |           |
|               |                |                              | 26715/816.5            | 26865/831.5 | 27015/846.5 |                |                |                              | 26740/819              | 26865/831.5 | 26990/844 |
| QPSK          | 1/0            | 24.00                        | 22.93                  | 22.91       | 23.08       | QPSK           | 1/0            | 24.00                        | 22.94                  | 22.84       | 23.02     |
|               | 1/12           | 24.00                        | 23.00                  | 22.89       | 23.08       |                | 1/24           | 24.00                        | 23.15                  | 22.95       | 23.19     |
|               | 1/24           | 24.00                        | 23.13                  | 22.81       | 22.97       |                | 1/49           | 24.00                        | 23.17                  | 22.83       | 22.95     |
|               | 12/0           | 23.00                        | 21.97                  | 22.23       | 22.44       |                | 25/0           | 23.00                        | 22.00                  | 22.22       | 22.43     |
|               | 12/6           | 23.00                        | 22.16                  | 22.43       | 22.47       |                | 25/12          | 23.00                        | 22.14                  | 22.29       | 22.39     |
|               | 12/13          | 23.00                        | 22.17                  | 22.32       | 22.55       |                | 25/25          | 23.00                        | 22.29                  | 22.31       | 22.51     |
|               | 25/0           | 23.00                        | 22.15                  | 22.31       | 22.38       |                | 50/0           | 23.00                        | 22.20                  | 22.34       | 22.46     |
| 16QAM         | 1/0            | 23.00                        | 22.23                  | 22.63       | 22.93       | 16QAM          | 1/0            | 23.00                        | 22.24                  | 22.56       | 22.72     |
|               | 1/12           | 23.00                        | 22.44                  | 22.81       | 22.87       |                | 1/24           | 23.00                        | 22.48                  | 22.78       | 22.80     |
|               | 1/24           | 23.00                        | 22.45                  | 22.70       | 22.79       |                | 1/49           | 23.00                        | 22.52                  | 22.68       | 22.65     |
|               | 12/0           | 22.00                        | 20.94                  | 21.36       | 21.47       |                | 25/0           | 22.00                        | 21.14                  | 21.31       | 21.49     |
|               | 12/6           | 22.00                        | 21.19                  | 21.51       | 21.56       |                | 25/12          | 22.00                        | 21.19                  | 21.37       | 21.54     |
|               | 12/13          | 22.00                        | 21.10                  | 21.35       | 21.46       |                | 25/25          | 22.00                        | 21.31                  | 21.41       | 21.47     |
|               | 25/0           | 22.00                        | 21.14                  | 21.43       | 21.41       |                | 50/0           | 22.00                        | 21.16                  | 21.43       | 21.37     |
| 64QAM         | 1/0            | 22.00                        | 20.19                  | 20.17       | 20.23       | 64QAM          | 1/0            | 22.00                        | 20.13                  | 20.04       | 20.17     |
|               | 1/12           | 22.00                        | 20.22                  | 20.19       | 20.25       |                | 1/24           | 22.00                        | 20.11                  | 20.23       | 20.12     |
|               | 1/24           | 22.00                        | 20.19                  | 20.28       | 20.17       |                | 1/49           | 22.00                        | 20.16                  | 20.23       | 20.15     |
|               | 12/0           | 21.00                        | 19.19                  | 19.11       | 19.17       |                | 25/0           | 21.00                        | 19.30                  | 19.18       | 19.19     |
|               | 12/6           | 21.00                        | 19.22                  | 19.28       | 19.20       |                | 25/12          | 21.00                        | 19.17                  | 19.07       | 19.16     |
|               | 12/13          | 21.00                        | 19.09                  | 19.16       | 19.11       |                | 25/25          | 21.00                        | 19.19                  | 19.31       | 19.31     |
|               | 25/0           | 21.00                        | 19.18                  | 19.15       | 19.30       |                | 50/0           | 21.00                        | 19.18                  | 19.25       | 19.20     |

| LTE B26/BW=15M |                | Average Conducted Power(dBm) |                        |              |              |
|----------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|                |                |                              | 26765/821.5            | 26865/831.5  | 26965/841.5  |
| QPSK           | 1/0            | 24.00                        | 23.22                  | 23.27        | 23.18        |
|                | 1/37           | 24.00                        | <b>23.21</b>           | <b>23.29</b> | <b>23.05</b> |
|                | 1/74           | 24.00                        | 23.14                  | 23.06        | 22.82        |
|                | 36/0           | 23.00                        | 22.32                  | <b>22.36</b> | 22.26        |
|                | 36/19          | 23.00                        | 22.35                  | 22.31        | 22.21        |
|                | 36/39          | 23.00                        | 22.34                  | 22.27        | 22.16        |
|                | 75/0           | 23.00                        | 21.91                  | 22.12        | 22.08        |
| 16QAM          | 1/0            | 23.00                        | 22.00                  | 22.14        | 22.26        |
|                | 1/37           | 23.00                        | 22.27                  | 22.30        | 22.36        |
|                | 1/74           | 23.00                        | 22.26                  | 22.30        | 22.21        |
|                | 36/0           | 22.00                        | 20.87                  | 21.00        | 21.08        |
|                | 36/19          | 22.00                        | 20.92                  | 21.05        | 21.09        |
|                | 36/39          | 22.00                        | 21.04                  | 21.17        | 21.17        |
|                | 75/0           | 22.00                        | 20.94                  | 21.12        | 21.14        |
| 64QAM          | 1/0            | 22.00                        | 20.03                  | 20.07        | 20.20        |
|                | 1/37           | 22.00                        | 20.13                  | 20.03        | 20.11        |
|                | 1/74           | 22.00                        | 20.10                  | 20.03        | 20.22        |
|                | 36/0           | 21.00                        | 19.10                  | 19.20        | 19.02        |
|                | 36/19          | 21.00                        | 19.05                  | 19.09        | 19.16        |
|                | 36/39          | 21.00                        | 19.03                  | 19.06        | 19.22        |
|                | 75/0           | 21.00                        | 19.19                  | 19.20        | 19.12        |

Note: The tested channel results are marks in bold.

## 16. Conducted power measurement results of LTE B30

Ant 1\_Receiver on

| LTE B30/BW=5M |                    | Average Conducted Power(dBm) |                        |                |                  | LTE B30/BW=10M |                    | Average Conducted Power(dBm) |                        |
|---------------|--------------------|------------------------------|------------------------|----------------|------------------|----------------|--------------------|------------------------------|------------------------|
| Modulation    | RB Size/<br>Offset | Max.<br>Tune-up              | Channel/Frequency(MHz) |                |                  | Modulation     | RB Size/<br>Offset | Max.<br>Tune-up              | Channel/Frequency(MHz) |
|               |                    |                              | 27685/<br>2307.5       | 27710/<br>2310 | 27735/<br>2312.5 |                |                    |                              | 27710/<br>2310         |
| QPSK          | 1/0                | 21.00                        | 20.01                  | 19.97          | 19.84            | QPSK           | 1/0                | 21.00                        | 20.36                  |
|               | 1/12               | 21.00                        | 20.00                  | 20.00          | 20.04            |                | 1/24               | 21.00                        | <b>20.42</b>           |
|               | 1/24               | 21.00                        | 20.00                  | 19.90          | 19.91            |                | 1/49               | 21.00                        | 20.36                  |
|               | 12/0               | 21.00                        | 19.86                  | 19.82          | 19.96            |                | 25/0               | 21.00                        | 20.21                  |
|               | 12/6               | 21.00                        | 19.97                  | 19.89          | 19.83            |                | 25/12              | 21.00                        | 20.31                  |
|               | 12/13              | 21.00                        | 19.98                  | 19.81          | 20.01            |                | 25/25              | 21.00                        | <b>20.33</b>           |
|               | 25/0               | 21.00                        | 19.87                  | 20.02          | 19.98            |                | 50/0               | 21.00                        | 20.31                  |
| 16QAM         | 1/0                | 21.00                        | 19.95                  | 20.02          | 19.87            | 16QAM          | 1/0                | 21.00                        | 20.09                  |
|               | 1/12               | 21.00                        | 20.04                  | 19.92          | 20.16            |                | 1/24               | 21.00                        | 20.12                  |
|               | 1/24               | 21.00                        | 19.85                  | 19.95          | 19.93            |                | 1/49               | 21.00                        | 20.07                  |
|               | 12/0               | 20.00                        | 19.94                  | 19.73          | 19.89            |                | 25/0               | 20.00                        | 19.61                  |
|               | 12/6               | 20.00                        | 19.87                  | 19.81          | 19.97            |                | 25/12              | 20.00                        | 19.59                  |
|               | 12/13              | 20.00                        | 19.84                  | 19.90          | 19.94            |                | 25/25              | 20.00                        | 19.66                  |
|               | 25/0               | 20.00                        | 19.97                  | 19.55          | 19.85            |                | 50/0               | 20.00                        | 19.58                  |
| 64QAM         | 1/0                | 20.00                        | 19.58                  | 19.77          | 19.71            | 64QAM          | 1/0                | 20.00                        | 19.87                  |
|               | 1/12               | 20.00                        | 19.79                  | 19.72          | 19.67            |                | 1/24               | 20.00                        | 19.58                  |
|               | 1/24               | 20.00                        | 19.69                  | 19.94          | 19.63            |                | 1/49               | 20.00                        | 19.75                  |
|               | 12/0               | 19.00                        | 18.81                  | 18.92          | 18.62            |                | 25/0               | 19.00                        | 18.82                  |
|               | 12/6               | 19.00                        | 18.80                  | 18.77          | 18.83            |                | 25/12              | 19.00                        | 18.78                  |
|               | 12/13              | 19.00                        | 18.92                  | 18.84          | 18.89            |                | 25/25              | 19.00                        | 18.74                  |
|               | 25/0               | 19.00                        | 18.63                  | 18.88          | 18.82            |                | 50/0               | 19.00                        | 18.74                  |
| 256QAM        | 1/0                | 19.00                        | 17.77                  | 17.49          | 17.71            | 256QAM         | 1/0                | 19.00                        | 17.71                  |
|               | 1/12               | 19.00                        | 17.38                  | 17.61          | 17.43            |                | 1/24               | 19.00                        | 18.02                  |
|               | 1/24               | 19.00                        | 17.63                  | 17.61          | 17.60            |                | 1/49               | 19.00                        | 18.05                  |
|               | 12/0               | 18.00                        | 17.92                  | 17.95          | 17.99            |                | 25/0               | 18.00                        | 17.87                  |
|               | 12/6               | 18.00                        | 17.83                  | 17.75          | 17.81            |                | 25/12              | 18.00                        | 17.79                  |
|               | 12/13              | 18.00                        | 17.95                  | 17.85          | 17.99            |                | 25/25              | 18.00                        | 17.94                  |
|               | 25/0               | 18.00                        | 17.75                  | 17.98          | 17.92            |                | 50/0               | 18.00                        | 17.86                  |

## Ant 1 Sensor off

| LTE B30/BW=5M |                    | Average Conducted Power(dBm) |                        |                |                  | LTE B30/BW=10M |                    | Average Conducted Power(dBm) |                        |
|---------------|--------------------|------------------------------|------------------------|----------------|------------------|----------------|--------------------|------------------------------|------------------------|
| Modulation    | RB Size/<br>Offset | Max.<br>Tune-up              | Channel/Frequency(MHz) |                |                  | Modulation     | RB Size/<br>Offset | Max.<br>Tune-up              | Channel/Frequency(MHz) |
|               |                    |                              | 27685/<br>2307.5       | 27710/<br>2310 | 27735/<br>2312.5 |                |                    |                              | 27710/<br>2310         |
| QPSK          | 1/0                | 24.00                        | 22.94                  | 22.82          | 22.86            | QPSK           | 1/0                | 24.00                        | 22.90                  |
|               | 1/12               | 24.00                        | 22.96                  | 22.79          | 22.88            |                | 1/24               | 24.00                        | 22.93                  |
|               | 1/24               | 24.00                        | 22.99                  | 22.87          | 22.94            |                | 1/49               | 24.00                        | 23.04                  |
|               | 12/0               | 23.00                        | 21.96                  | 21.90          | 21.96            |                | 25/0               | 23.00                        | 21.90                  |
|               | 12/6               | 23.00                        | 21.99                  | 21.91          | 21.88            |                | 25/12              | 23.00                        | 21.79                  |
|               | 12/13              | 23.00                        | 21.92                  | 21.85          | 21.87            |                | 25/25              | 23.00                        | 21.94                  |
|               | 25/0               | 23.00                        | 21.89                  | 21.76          | 21.90            |                | 50/0               | 23.00                        | 21.86                  |
| 16QAM         | 1/0                | 23.00                        | 22.35                  | 22.16          | 22.31            | 16QAM          | 1/0                | 23.00                        | 22.29                  |
|               | 1/12               | 23.00                        | 22.32                  | 22.32          | 22.24            |                | 1/24               | 23.00                        | 22.22                  |
|               | 1/24               | 23.00                        | 22.52                  | 22.27          | 22.33            |                | 1/49               | 23.00                        | 22.11                  |
|               | 12/0               | 22.00                        | 20.95                  | 20.80          | 20.92            |                | 25/0               | 22.00                        | 20.95                  |
|               | 12/6               | 22.00                        | 21.01                  | 20.90          | 20.97            |                | 25/12              | 22.00                        | 20.91                  |
|               | 12/13              | 22.00                        | 20.98                  | 20.71          | 20.89            |                | 25/25              | 22.00                        | 20.91                  |
|               | 25/0               | 22.00                        | 20.93                  | 20.87          | 20.95            |                | 50/0               | 22.00                        | 20.37                  |
| 64QAM         | 1/0                | 22.00                        | 20.77                  | 20.65          | 20.75            | 64QAM          | 1/0                | 22.00                        | 20.65                  |
|               | 1/12               | 22.00                        | 20.82                  | 20.69          | 20.90            |                | 1/24               | 22.00                        | 20.67                  |
|               | 1/24               | 22.00                        | 20.73                  | 20.88          | 20.86            |                | 1/49               | 22.00                        | 20.75                  |
|               | 12/0               | 21.00                        | 19.41                  | 19.39          | 19.29            |                | 25/0               | 21.00                        | 19.42                  |
|               | 12/6               | 21.00                        | 19.22                  | 19.37          | 19.32            |                | 25/12              | 21.00                        | 19.35                  |
|               | 12/13              | 21.00                        | 19.30                  | 19.33          | 19.51            |                | 25/25              | 21.00                        | 19.29                  |
|               | 25/0               | 21.00                        | 19.24                  | 19.36          | 19.33            |                | 50/0               | 21.00                        | 19.28                  |
| 256QAM        | 1/0                | 21.00                        | 19.59                  | 19.55          | 19.44            | 256QAM         | 1/0                | 21.00                        | 19.45                  |
|               | 1/12               | 21.00                        | 19.49                  | 19.53          | 19.56            |                | 1/24               | 21.00                        | 19.53                  |
|               | 1/24               | 21.00                        | 19.48                  | 19.57          | 19.49            |                | 1/49               | 21.00                        | 19.44                  |
|               | 12/0               | 20.00                        | 18.51                  | 18.55          | 18.53            |                | 25/0               | 20.00                        | 18.53                  |
|               | 12/6               | 20.00                        | 18.57                  | 18.65          | 18.57            |                | 25/12              | 20.00                        | 18.61                  |
|               | 12/13              | 20.00                        | 18.46                  | 18.63          | 18.46            |                | 25/25              | 20.00                        | 18.50                  |
|               | 25/0               | 20.00                        | 18.50                  | 18.50          | 18.60            |                | 50/0               | 20.00                        | 18.66                  |

## Ant 1 Hotspot on

| LTE B30/BW=5M |                    | Average Conducted Power(dBm) |                        |                |                  | LTE B30/BW=10M |                    | Average Conducted Power(dBm) |                        |
|---------------|--------------------|------------------------------|------------------------|----------------|------------------|----------------|--------------------|------------------------------|------------------------|
| Modulation    | RB Size/<br>Offset | Max.<br>Tune-up              | Channel/Frequency(MHz) |                |                  | Modulation     | RB Size/<br>Offset | Max.<br>Tune-up              | Channel/Frequency(MHz) |
|               |                    |                              | 27685/<br>2307.5       | 27710/<br>2310 | 27735/<br>2312.5 |                |                    |                              | 27710/<br>2310         |
| QPSK          | 1/0                | 23.00                        | 21.96                  | 22.04          | 22.15            | QPSK           | 1/0                | 23.00                        | 22.26                  |
|               | 1/12               | 23.00                        | 22.06                  | 22.14          | 22.02            |                | 1/24               | 23.00                        | 22.15                  |
|               | 1/24               | 23.00                        | 22.11                  | 22.19          | 22.07            |                | 1/49               | 23.00                        | 22.19                  |
|               | 12/0               | 23.00                        | 21.30                  | 21.38          | 21.49            |                | 25/0               | 23.00                        | 21.69                  |
|               | 12/6               | 23.00                        | 21.12                  | 21.20          | 21.31            |                | 25/12              | 23.00                        | 21.64                  |
|               | 12/13              | 23.00                        | 21.38                  | 21.46          | 21.57            |                | 25/25              | 23.00                        | 21.72                  |
|               | 25/0               | 23.00                        | 21.57                  | 21.73          | 21.68            |                | 50/0               | 23.00                        | 21.56                  |
| 16QAM         | 1/0                | 23.00                        | 21.68                  | 21.88          | 22.13            | 16QAM          | 1/0                | 23.00                        | 21.72                  |
|               | 1/12               | 23.00                        | 21.89                  | 22.09          | 22.11            |                | 1/24               | 23.00                        | 21.53                  |
|               | 1/24               | 23.00                        | 21.95                  | 22.15          | 22.17            |                | 1/49               | 23.00                        | 22.12                  |
|               | 12/0               | 22.00                        | 20.68                  | 20.88          | 21.13            |                | 25/0               | 22.00                        | 20.41                  |
|               | 12/6               | 22.00                        | 20.97                  | 21.17          | 21.19            |                | 25/12              | 22.00                        | 20.32                  |
|               | 12/13              | 22.00                        | 21.21                  | 21.41          | 21.43            |                | 25/25              | 22.00                        | 20.81                  |
|               | 25/0               | 22.00                        | 21.13                  | 21.46          | 21.43            |                | 50/0               | 22.00                        | 20.35                  |
| 64QAM         | 1/0                | 22.00                        | 20.07                  | 20.27          | 20.58            | 64QAM          | 1/0                | 22.00                        | 20.35                  |
|               | 1/12               | 22.00                        | 20.89                  | 20.78          | 20.87            |                | 1/24               | 22.00                        | 20.47                  |
|               | 1/24               | 22.00                        | 20.76                  | 20.77          | 20.75            |                | 1/49               | 22.00                        | 20.92                  |
|               | 12/0               | 21.00                        | 19.08                  | 19.18          | 19.17            |                | 25/0               | 21.00                        | 19.25                  |
|               | 12/6               | 21.00                        | 19.56                  | 19.57          | 19.44            |                | 25/12              | 21.00                        | 19.74                  |
|               | 12/13              | 21.00                        | 19.62                  | 19.58          | 19.70            |                | 25/25              | 21.00                        | 20.06                  |
|               | 25/0               | 21.00                        | 19.51                  | 19.58          | 19.81            |                | 50/0               | 21.00                        | 19.79                  |
| 256QAM        | 1/0                | 21.00                        | 19.35                  | 19.26          | 19.31            | 256QAM         | 1/0                | 21.00                        | 19.07                  |
|               | 1/12               | 21.00                        | 19.28                  | 19.26          | 19.19            |                | 1/24               | 21.00                        | 19.22                  |
|               | 1/24               | 21.00                        | 19.22                  | 19.18          | 19.17            |                | 1/49               | 21.00                        | 19.10                  |
|               | 12/0               | 20.00                        | 18.53                  | 18.49          | 18.58            |                | 25/0               | 20.00                        | 18.14                  |
|               | 12/6               | 20.00                        | 18.89                  | 18.82          | 18.74            |                | 25/12              | 20.00                        | 18.32                  |
|               | 12/13              | 20.00                        | 18.51                  | 18.39          | 18.41            |                | 25/25              | 20.00                        | 18.42                  |
|               | 25/0               | 20.00                        | 18.14                  | 18.28          | 18.52            |                | 50/0               | 20.00                        | 18.21                  |

Note: The tested channel results are marks in bold.

## 17. Conducted power measurement results of LTE B38

Ant 1\_Receiver on &amp; Sensor off &amp; Hotspot on

| LTE B38/BW=5M |                | Average Conducted Power(dBm) |                        |            |              | LTE B38/BW=10M |                | Average Conducted Power(dBm) |                        |            |            |
|---------------|----------------|------------------------------|------------------------|------------|--------------|----------------|----------------|------------------------------|------------------------|------------|------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |            |
|               |                |                              | 37775/2572.5           | 38000/2595 | 38225/2617.5 |                |                |                              | 37800/2575             | 38000/2595 | 38200/2615 |
| QPSK          | 1/0            | 24.00                        | 22.84                  | 23.09      | 23.07        | QPSK           | 1/0            | 24.00                        | 22.72                  | 22.91      | 22.98      |
|               | 1/12           | 24.00                        | 22.90                  | 23.14      | 23.11        |                | 1/24           | 24.00                        | 22.76                  | 23.04      | 22.96      |
|               | 1/24           | 24.00                        | 22.82                  | 23.11      | 23.07        |                | 1/49           | 24.00                        | 22.85                  | 22.94      | 22.89      |
|               | 12/0           | 23.00                        | 21.93                  | 22.13      | 22.11        |                | 25/0           | 23.00                        | 21.95                  | 22.15      | 22.17      |
|               | 12/6           | 23.00                        | 21.94                  | 22.14      | 22.19        |                | 25/12          | 23.00                        | 21.99                  | 22.20      | 22.17      |
|               | 12/13          | 23.00                        | 21.93                  | 22.13      | 22.15        |                | 25/25          | 23.00                        | 21.99                  | 22.17      | 22.16      |
|               | 25/0           | 23.00                        | 21.90                  | 22.13      | 22.16        |                | 50/0           | 23.00                        | 21.98                  | 22.15      | 22.15      |
| 16QAM         | 1/0            | 23.00                        | 22.22                  | 22.43      | 22.53        | 16QAM          | 1/0            | 23.00                        | 22.13                  | 22.51      | 22.48      |
|               | 1/12           | 23.00                        | 22.28                  | 22.53      | 22.57        |                | 1/24           | 23.00                        | 22.22                  | 22.57      | 22.44      |
|               | 1/24           | 23.00                        | 22.22                  | 22.39      | 22.55        |                | 1/49           | 23.00                        | 22.24                  | 22.53      | 22.34      |
|               | 12/0           | 22.00                        | 20.86                  | 21.24      | 21.16        |                | 25/0           | 22.00                        | 20.97                  | 21.12      | 21.22      |
|               | 12/6           | 22.00                        | 20.93                  | 21.26      | 21.25        |                | 25/12          | 22.00                        | 21.02                  | 21.19      | 21.25      |
|               | 12/13          | 22.00                        | 20.92                  | 21.24      | 21.21        |                | 25/25          | 22.00                        | 21.01                  | 21.14      | 21.21      |
|               | 25/0           | 22.00                        | 20.95                  | 21.13      | 21.15        |                | 50/0           | 22.00                        | 21.06                  | 21.19      | 21.20      |
| 64QAM         | 1/0            | 22.00                        | 21.41                  | 21.52      | 21.55        | 64QAM          | 1/0            | 22.00                        | 21.75                  | 21.79      | 21.61      |
|               | 1/12           | 22.00                        | 21.63                  | 21.60      | 21.73        |                | 1/24           | 22.00                        | 21.47                  | 21.77      | 21.71      |
|               | 1/24           | 22.00                        | 21.64                  | 21.70      | 21.29        |                | 1/49           | 22.00                        | 21.36                  | 21.81      | 21.57      |
|               | 12/0           | 21.00                        | 20.58                  | 20.53      | 20.37        |                | 25/0           | 21.00                        | 20.68                  | 20.45      | 20.46      |
|               | 12/6           | 21.00                        | 20.61                  | 20.33      | 20.58        |                | 25/12          | 21.00                        | 20.65                  | 20.53      | 20.59      |
|               | 12/13          | 21.00                        | 20.69                  | 20.38      | 20.45        |                | 25/25          | 21.00                        | 20.38                  | 20.58      | 20.53      |
|               | 25/0           | 21.00                        | 20.65                  | 20.30      | 20.48        |                | 50/0           | 21.00                        | 20.40                  | 20.43      | 20.67      |
| 256QAM        | 1/0            | 21.00                        | 20.61                  | 20.62      | 20.53        | 256QAM         | 1/0            | 21.00                        | 20.81                  | 20.51      | 20.45      |
|               | 1/12           | 21.00                        | 20.46                  | 20.49      | 20.44        |                | 1/24           | 21.00                        | 20.78                  | 20.73      | 20.56      |
|               | 1/24           | 21.00                        | 20.33                  | 20.41      | 20.53        |                | 1/49           | 21.00                        | 20.73                  | 20.54      | 20.51      |
|               | 12/0           | 20.00                        | 19.52                  | 19.44      | 19.59        |                | 25/0           | 20.00                        | 19.62                  | 19.76      | 19.39      |
|               | 12/6           | 20.00                        | 19.51                  | 19.55      | 19.48        |                | 25/12          | 20.00                        | 19.70                  | 19.69      | 19.57      |
|               | 12/13          | 20.00                        | 19.79                  | 19.67      | 19.44        |                | 25/25          | 20.00                        | 19.67                  | 19.46      | 19.53      |
|               | 25/0           | 20.00                        | 19.48                  | 19.69      | 19.59        |                | 50/0           | 20.00                        | 19.73                  | 19.66      | 19.76      |

| LTE B38/BW=15M |                | Average Conducted Power(dBm) |                        |            |              | LTE B38/BW=20M |                | Average Conducted Power(dBm) |                        |              |              |
|----------------|----------------|------------------------------|------------------------|------------|--------------|----------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|                |                |                              | 37825/2577.5           | 38000/2595 | 38175/2612.5 |                |                |                              | 37850/2580             | 38000/2595   | 38150/2610   |
|                |                |                              |                        |            |              |                |                |                              |                        |              |              |
| QPSK           | 1/0            | 24.00                        | 22.67                  | 22.94      | 22.97        | QPSK           | 1/0            | 24.00                        | <b>23.17</b>           | <b>23.19</b> | <b>22.99</b> |
|                | 1/37           | 24.00                        | 22.71                  | 23.02      | 22.94        |                | 1/50           | 24.00                        | 23.12                  | 23.17        | 22.95        |
|                | 1/74           | 24.00                        | 22.69                  | 22.92      | 22.86        |                | 1/99           | 24.00                        | 23.14                  | 23.03        | 22.94        |
|                | 36/0           | 23.00                        | 21.73                  | 22.00      | 22.02        |                | 50/0           | 23.00                        | 22.15                  | 22.13        | 22.13        |
|                | 36/19          | 23.00                        | 21.80                  | 22.02      | 22.02        |                | 50/25          | 23.00                        | <b>22.19</b>           | 22.14        | 22.11        |
|                | 36/39          | 23.00                        | 21.83                  | 22.07      | 22.00        |                | 50/50          | 23.00                        | 22.15                  | 22.12        | 22.01        |
|                | 75/0           | 23.00                        | 21.82                  | 22.07      | 22.01        |                | 100/0          | 23.00                        | 21.88                  | 22.03        | 21.99        |
| 16QAM          | 1/0            | 23.00                        | 21.99                  | 22.25      | 22.23        | 16QAM          | 1/0            | 23.00                        | 22.20                  | 22.24        | 22.36        |
|                | 1/37           | 23.00                        | 22.02                  | 22.33      | 22.27        |                | 1/50           | 23.00                        | 22.28                  | 22.40        | 22.31        |
|                | 1/74           | 23.00                        | 21.99                  | 22.18      | 22.13        |                | 1/99           | 23.00                        | 22.26                  | 22.30        | 22.27        |
|                | 36/0           | 22.00                        | 20.77                  | 21.05      | 21.04        |                | 50/0           | 22.00                        | 20.79                  | 21.09        | 21.04        |
|                | 36/19          | 22.00                        | 20.86                  | 21.07      | 21.03        |                | 50/25          | 22.00                        | 20.93                  | 21.09        | 21.04        |
|                | 36/39          | 22.00                        | 20.87                  | 21.03      | 21.02        |                | 50/50          | 22.00                        | 20.90                  | 21.06        | 20.98        |
|                | 75/0           | 22.00                        | 20.82                  | 21.04      | 21.02        |                | 100/0          | 22.00                        | 20.91                  | 21.07        | 21.00        |
| 64QAM          | 1/0            | 22.00                        | 21.46                  | 21.67      | 21.77        | 64QAM          | 1/0            | 22.00                        | 21.62                  | 21.69        | 21.72        |
|                | 1/37           | 22.00                        | 21.56                  | 21.81      | 21.79        |                | 1/50           | 22.00                        | 21.66                  | 21.77        | 21.74        |
|                | 1/74           | 22.00                        | 21.57                  | 21.76      | 21.66        |                | 1/99           | 22.00                        | 21.73                  | 21.64        | 21.64        |
|                | 36/0           | 21.00                        | 20.49                  | 20.69      | 20.71        |                | 50/0           | 21.00                        | 20.49                  | 20.74        | 20.78        |
|                | 36/19          | 21.00                        | 20.58                  | 20.68      | 20.72        |                | 50/25          | 21.00                        | 20.70                  | 20.78        | 20.76        |
|                | 36/39          | 21.00                        | 20.62                  | 20.67      | 20.72        |                | 50/50          | 21.00                        | 20.71                  | 20.76        | 20.71        |
|                | 75/0           | 21.00                        | 20.60                  | 20.71      | 20.69        |                | 100/0          | 21.00                        | 20.66                  | 20.73        | 20.79        |
| 256QAM         | 1/0            | 21.00                        | 20.48                  | 20.57      | 20.45        | 256QAM         | 1/0            | 21.00                        | 20.53                  | 20.75        | 20.67        |
|                | 1/37           | 21.00                        | 20.60                  | 20.55      | 20.55        |                | 1/50           | 21.00                        | 20.75                  | 20.86        | 20.72        |
|                | 1/74           | 21.00                        | 20.61                  | 20.59      | 20.54        |                | 1/99           | 21.00                        | 20.68                  | 20.64        | 20.90        |
|                | 36/0           | 20.00                        | 19.47                  | 19.61      | 19.50        |                | 50/0           | 20.00                        | 19.77                  | 19.66        | 19.70        |
|                | 36/19          | 20.00                        | 19.62                  | 19.60      | 19.56        |                | 50/25          | 20.00                        | 19.71                  | 19.81        | 19.72        |
|                | 36/39          | 20.00                        | 19.60                  | 19.48      | 19.56        |                | 50/50          | 20.00                        | 19.68                  | 19.78        | 19.76        |
|                | 75/0           | 20.00                        | 19.57                  | 19.56      | 19.49        |                | 100/0          | 20.00                        | 19.73                  | 19.64        | 19.67        |

Note: The tested channel results are marks in bold.

## 18. Conducted power measurement results of LTE B40

Ant 1\_Receiver on

| LTE B40/BW=5M |                    | Average Conducted Power(dBm) |                        |                |                  | LTE B40/BW=10M |                    | Average Conducted Power(dBm) |                        |
|---------------|--------------------|------------------------------|------------------------|----------------|------------------|----------------|--------------------|------------------------------|------------------------|
| Modulation    | RB Size/<br>Offset | Max.<br>Tune-up              | Channel/Frequency(MHz) |                |                  | Modulation     | RB Size/<br>Offset | Max.<br>Tune-up              | Channel/Frequency(MHz) |
|               |                    |                              | 38725/<br>2307.5       | 38750/<br>2310 | 38775/<br>2312.5 |                |                    |                              |                        |
| QPSK          | 1/0                | 23.00                        | 22.23                  | 22.18          | 22.20            | QPSK           | 1/0                | 23.00                        | 22.42                  |
|               | 1/12               | 23.00                        | 22.32                  | 22.23          | 22.33            |                | 1/24               | 23.00                        | 22.28                  |
|               | 1/24               | 23.00                        | 22.23                  | 22.21          | 22.29            |                | 1/49               | 23.00                        | 22.34                  |
|               | 12/0               | 23.00                        | 22.21                  | 22.23          | 22.22            |                | 25/0               | 23.00                        | 22.22                  |
|               | 12/6               | 23.00                        | 22.25                  | 22.29          | 22.26            |                | 25/12              | 23.00                        | 22.25                  |
|               | 12/13              | 23.00                        | 22.26                  | 22.26          | 22.25            |                | 25/25              | 23.00                        | 22.23                  |
|               | 25/0               | 23.00                        | 22.23                  | 22.25          | 22.22            |                | 50/0               | 23.00                        | 22.23                  |
| 16QAM         | 1/0                | 23.00                        | 22.19                  | 22.23          | 22.16            | 16QAM          | 1/0                | 23.00                        | 22.14                  |
|               | 1/12               | 23.00                        | 22.20                  | 22.31          | 22.23            |                | 1/24               | 23.00                        | 22.23                  |
|               | 1/24               | 23.00                        | 22.20                  | 22.25          | 22.18            |                | 1/49               | 23.00                        | 22.21                  |
|               | 12/0               | 22.00                        | 21.31                  | 21.30          | 21.17            |                | 25/0               | 22.00                        | 21.23                  |
|               | 12/6               | 22.00                        | 21.31                  | 21.33          | 21.22            |                | 25/12              | 22.00                        | 21.26                  |
|               | 12/13              | 22.00                        | 21.33                  | 21.31          | 21.18            |                | 25/25              | 22.00                        | 21.27                  |
|               | 25/0               | 22.00                        | 21.24                  | 21.21          | 21.22            |                | 50/0               | 22.00                        | 21.22                  |
| 64QAM         | 1/0                | 22.00                        | 21.07                  | 21.22          | 21.31            | 64QAM          | 1/0                | 22.00                        | 21.25                  |
|               | 1/12               | 22.00                        | 21.42                  | 21.55          | 21.29            |                | 1/24               | 22.00                        | 21.08                  |
|               | 1/24               | 22.00                        | 21.00                  | 21.13          | 21.02            |                | 1/49               | 22.00                        | 21.31                  |
|               | 12/0               | 21.00                        | 20.04                  | 20.11          | 19.86            |                | 25/0               | 21.00                        | 20.08                  |
|               | 12/6               | 21.00                        | 20.02                  | 19.97          | 20.14            |                | 25/12              | 21.00                        | 20.21                  |
|               | 12/13              | 21.00                        | 20.34                  | 20.21          | 20.18            |                | 25/25              | 21.00                        | 20.31                  |
|               | 25/0               | 21.00                        | 20.21                  | 20.09          | 20.35            |                | 50/0               | 21.00                        | 20.18                  |
| 256QAM        | 1/0                | 21.00                        | 19.60                  | 19.43          | 19.50            | 256QAM         | 1/0                | 21.00                        | 19.49                  |
|               | 1/12               | 21.00                        | 19.50                  | 19.76          | 19.64            |                | 1/24               | 21.00                        | 19.37                  |
|               | 1/24               | 21.00                        | 19.17                  | 19.05          | 19.04            |                | 1/49               | 21.00                        | 19.50                  |
|               | 12/0               | 20.00                        | 18.17                  | 18.21          | 18.13            |                | 25/0               | 20.00                        | 18.19                  |
|               | 12/6               | 20.00                        | 18.21                  | 18.23          | 18.17            |                | 25/12              | 20.00                        | 18.28                  |
|               | 12/13              | 20.00                        | 18.25                  | 18.15          | 18.12            |                | 25/25              | 20.00                        | 18.15                  |
|               | 25/0               | 20.00                        | 18.13                  | 18.27          | 18.15            |                | 50/0               | 20.00                        | 18.27                  |

| LTE B40/BW=5M |                    | Average Conducted Power(dBm) |                        |                |                  | LTE B40/BW=10M |                    | Average Conducted Power(dBm) |                        |
|---------------|--------------------|------------------------------|------------------------|----------------|------------------|----------------|--------------------|------------------------------|------------------------|
| Modulation    | RB Size/<br>Offset | Max.<br>Tune-up              | Channel/Frequency(MHz) |                |                  | Modulation     | RB Size/<br>Offset | Max.<br>Tune-up              | Channel/Frequency(MHz) |
|               |                    |                              | 39175/<br>2352.5       | 39200/<br>2355 | 39225/<br>2312.5 |                |                    |                              |                        |
| QPSK          | 1/0                | 23.00                        | 22.14                  | 22.13          | 22.09            | QPSK           | 1/0                | 23.00                        | 22.33                  |
|               | 1/12               | 23.00                        | 22.23                  | 22.15          | 22.27            |                | 1/24               | 23.00                        | 22.29                  |
|               | 1/24               | 23.00                        | 22.17                  | 22.09          | 22.16            |                | 1/49               | 23.00                        | 22.28                  |
|               | 12/0               | 23.00                        | 22.19                  | 22.16          | 22.15            |                | 25/0               | 23.00                        | 22.24                  |
|               | 12/6               | 23.00                        | 22.19                  | 22.21          | 22.17            |                | 25/12              | 23.00                        | 22.20                  |
|               | 12/13              | 23.00                        | 22.18                  | 22.12          | 22.17            |                | 25/25              | 23.00                        | 22.20                  |
|               | 25/0               | 23.00                        | 22.18                  | 22.18          | 22.18            |                | 50/0               | 23.00                        | 22.16                  |
| 16QAM         | 1/0                | 23.00                        | 22.09                  | 22.10          | 22.10            | 16QAM          | 1/0                | 23.00                        | 22.17                  |
|               | 1/12               | 23.00                        | 22.19                  | 22.19          | 22.16            |                | 1/24               | 23.00                        | 22.23                  |
|               | 1/24               | 23.00                        | 22.11                  | 22.10          | 22.07            |                | 1/49               | 23.00                        | 22.12                  |
|               | 12/0               | 22.00                        | 21.28                  | 21.17          | 21.15            |                | 25/0               | 22.00                        | 21.19                  |
|               | 12/6               | 22.00                        | 21.30                  | 21.22          | 21.19            |                | 25/12              | 22.00                        | 21.22                  |
|               | 12/13              | 22.00                        | 21.29                  | 21.21          | 21.16            |                | 25/25              | 22.00                        | 21.13                  |
|               | 25/0               | 22.00                        | 21.16                  | 21.19          | 21.16            |                | 50/0               | 22.00                        | 21.16                  |
| 64QAM         | 1/0                | 22.00                        | 21.15                  | 21.31          | 21.19            | 64QAM          | 1/0                | 22.00                        | 20.99                  |
|               | 1/12               | 22.00                        | 21.18                  | 21.09          | 21.07            |                | 1/24               | 22.00                        | 21.07                  |
|               | 1/24               | 22.00                        | 21.20                  | 21.09          | 21.34            |                | 1/49               | 22.00                        | 21.00                  |
|               | 12/0               | 21.00                        | 20.21                  | 20.52          | 20.40            |                | 25/0               | 21.00                        | 20.25                  |
|               | 12/6               | 21.00                        | 20.26                  | 20.35          | 20.20            |                | 25/12              | 21.00                        | 20.22                  |
|               | 12/13              | 21.00                        | 20.06                  | 20.17          | 20.09            |                | 25/25              | 21.00                        | 20.18                  |
|               | 25/0               | 21.00                        | 20.08                  | 20.05          | 20.43            |                | 50/0               | 21.00                        | 20.22                  |
| 256QAM        | 1/0                | 21.00                        | 19.44                  | 19.11          | 19.47            | 256QAM         | 1/0                | 21.00                        | 19.70                  |
|               | 1/12               | 21.00                        | 19.21                  | 19.09          | 19.06            |                | 1/24               | 21.00                        | 19.55                  |
|               | 1/24               | 21.00                        | 19.12                  | 19.11          | 19.01            |                | 1/49               | 21.00                        | 19.32                  |
|               | 12/0               | 20.00                        | 18.31                  | 18.30          | 18.39            |                | 25/0               | 20.00                        | 18.49                  |
|               | 12/6               | 20.00                        | 18.19                  | 18.29          | 18.26            |                | 25/12              | 20.00                        | 18.36                  |
|               | 12/13              | 20.00                        | 18.00                  | 18.18          | 18.08            |                | 25/25              | 20.00                        | 18.20                  |
|               | 25/0               | 20.00                        | 18.34                  | 18.30          | 18.21            |                | 50/0               | 20.00                        | 18.30                  |

## Ant 1 Sensor off &amp; Hotspot on

| LTE B40/BW=5M |                    | Average Conducted Power(dBm) |                        |                |                  | LTE B40/BW=10M |                    | Average Conducted Power(dBm) |                        |
|---------------|--------------------|------------------------------|------------------------|----------------|------------------|----------------|--------------------|------------------------------|------------------------|
| Modulation    | RB Size/<br>Offset | Max.<br>Tune-up              | Channel/Frequency(MHz) |                |                  | Modulation     | RB Size/<br>Offset | Max.<br>Tune-up              | Channel/Frequency(MHz) |
|               |                    |                              | 38725/<br>2307.5       | 38750/<br>2310 | 38775/<br>2312.5 |                |                    |                              | 38750/<br>2310         |
| QPSK          | 1/0                | 24.00                        | 22.65                  | 22.55          | 22.50            | QPSK           | 1/0                | 24.00                        | 22.77                  |
|               | 1/12               | 24.00                        | 22.70                  | 22.56          | 22.71            |                | 1/24               | 24.00                        | 22.59                  |
|               | 1/24               | 24.00                        | 22.56                  | 22.63          | 22.54            |                | 1/49               | 24.00                        | 22.58                  |
|               | 12/0               | 23.00                        | 21.69                  | 21.67          | 21.65            |                | 25/0               | 23.00                        | 21.65                  |
|               | 12/6               | 23.00                        | 21.66                  | 21.68          | 21.65            |                | 25/12              | 23.00                        | 21.63                  |
|               | 12/13              | 23.00                        | 21.57                  | 21.52          | 21.61            |                | 25/25              | 23.00                        | 21.57                  |
|               | 25/0               | 23.00                        | 21.63                  | 21.62          | 21.62            |                | 50/0               | 23.00                        | 21.56                  |
| 16QAM         | 1/0                | 23.00                        | 21.92                  | 22.05          | 22.08            | 16QAM          | 1/0                | 23.00                        | 21.91                  |
|               | 1/12               | 23.00                        | 22.02                  | 22.13          | 21.93            |                | 1/24               | 23.00                        | 22.07                  |
|               | 1/24               | 23.00                        | 21.96                  | 21.88          | 21.97            |                | 1/49               | 23.00                        | 22.03                  |
|               | 12/0               | 22.00                        | 20.77                  | 20.73          | 20.82            |                | 25/0               | 22.00                        | 20.73                  |
|               | 12/6               | 22.00                        | 20.66                  | 20.72          | 20.84            |                | 25/12              | 22.00                        | 20.63                  |
|               | 12/13              | 22.00                        | 20.71                  | 20.69          | 20.78            |                | 25/25              | 22.00                        | 20.57                  |
|               | 25/0               | 22.00                        | 20.72                  | 20.64          | 20.63            |                | 50/0               | 22.00                        | 20.59                  |
| 64QAM         | 1/0                | 22.00                        | 20.71                  | 20.64          | 20.59            | 64QAM          | 1/0                | 22.00                        | 20.77                  |
|               | 1/12               | 22.00                        | 20.74                  | 20.59          | 20.68            |                | 1/24               | 22.00                        | 20.79                  |
|               | 1/24               | 22.00                        | 20.73                  | 20.42          | 20.56            |                | 1/49               | 22.00                        | 20.66                  |
|               | 12/0               | 21.00                        | 19.64                  | 19.53          | 19.62            |                | 25/0               | 21.00                        | 19.86                  |
|               | 12/6               | 21.00                        | 19.57                  | 19.41          | 19.47            |                | 25/12              | 21.00                        | 19.77                  |
|               | 12/13              | 21.00                        | 19.42                  | 19.45          | 19.47            |                | 25/25              | 21.00                        | 19.81                  |
|               | 25/0               | 21.00                        | 19.50                  | 19.45          | 19.47            |                | 50/0               | 21.00                        | 19.73                  |
| 256QAM        | 1/0                | 21.00                        | 19.51                  | 19.44          | 19.44            | 256QAM         | 1/0                | 21.00                        | 19.80                  |
|               | 1/12               | 21.00                        | 19.57                  | 19.48          | 19.42            |                | 1/24               | 21.00                        | 19.84                  |
|               | 1/24               | 21.00                        | 19.53                  | 19.49          | 19.56            |                | 1/49               | 21.00                        | 19.76                  |
|               | 12/0               | 20.00                        | 18.51                  | 18.59          | 18.46            |                | 25/0               | 20.00                        | 18.89                  |
|               | 12/6               | 20.00                        | 18.44                  | 18.54          | 18.46            |                | 25/12              | 20.00                        | 18.75                  |
|               | 12/13              | 20.00                        | 18.38                  | 18.55          | 18.46            |                | 25/25              | 20.00                        | 18.76                  |
|               | 25/0               | 20.00                        | 18.51                  | 18.47          | 18.50            |                | 50/0               | 20.00                        | 18.81                  |

| LTE B40/BW=5M |                    | Average Conducted Power(dBm) |                        |                |                  | LTE B40/BW=10M |                    | Average Conducted Power(dBm) |                        |
|---------------|--------------------|------------------------------|------------------------|----------------|------------------|----------------|--------------------|------------------------------|------------------------|
| Modulation    | RB Size/<br>Offset | Max.<br>Tune-up              | Channel/Frequency(MHz) |                |                  | Modulation     | RB Size/<br>Offset | Max.<br>Tune-up              | Channel/Frequency(MHz) |
|               |                    |                              | 39175/<br>2352.5       | 39200/<br>2355 | 39225/<br>2312.5 |                |                    |                              |                        |
| QPSK          | 1/0                | 24.00                        | 22.57                  | 22.53          | 22.64            | QPSK           | 1/0                | 24.00                        | 22.66                  |
|               | 1/12               | 24.00                        | 22.49                  | 22.54          | 22.59            |                | 1/24               | 24.00                        | 22.49                  |
|               | 1/24               | 24.00                        | 22.53                  | 22.53          | 22.41            |                | 1/49               | 24.00                        | 22.61                  |
|               | 12/0               | 23.00                        | 21.66                  | 21.56          | 21.61            |                | 25/0               | 23.00                        | 21.67                  |
|               | 12/6               | 23.00                        | 21.78                  | 21.65          | 21.57            |                | 25/12              | 23.00                        | 21.62                  |
|               | 12/13              | 23.00                        | 21.55                  | 21.64          | 21.59            |                | 25/25              | 23.00                        | 21.62                  |
|               | 25/0               | 23.00                        | 21.60                  | 21.66          | 21.69            |                | 50/0               | 23.00                        | 21.65                  |
| 16QAM         | 1/0                | 23.00                        | 21.88                  | 22.19          | 21.88            | 16QAM          | 1/0                | 23.00                        | 21.84                  |
|               | 1/12               | 23.00                        | 21.96                  | 22.04          | 21.95            |                | 1/24               | 23.00                        | 22.00                  |
|               | 1/24               | 23.00                        | 21.87                  | 21.96          | 21.82            |                | 1/49               | 23.00                        | 21.71                  |
|               | 12/0               | 22.00                        | 20.65                  | 20.61          | 20.64            |                | 25/0               | 22.00                        | 20.66                  |
|               | 12/6               | 22.00                        | 20.67                  | 20.64          | 20.54            |                | 25/12              | 22.00                        | 20.64                  |
|               | 12/13              | 22.00                        | 20.71                  | 20.83          | 20.63            |                | 25/25              | 22.00                        | 20.48                  |
|               | 25/0               | 22.00                        | 20.68                  | 20.75          | 20.57            |                | 50/0               | 22.00                        | 20.56                  |
| 64QAM         | 1/0                | 22.00                        | 20.71                  | 20.67          | 20.87            | 64QAM          | 1/0                | 22.00                        | 20.76                  |
|               | 1/12               | 22.00                        | 20.77                  | 20.84          | 20.80            |                | 1/24               | 22.00                        | 20.79                  |
|               | 1/24               | 22.00                        | 20.70                  | 20.86          | 20.71            |                | 1/49               | 22.00                        | 20.61                  |
|               | 12/0               | 21.00                        | 19.77                  | 19.62          | 19.68            |                | 25/0               | 21.00                        | 19.77                  |
|               | 12/6               | 21.00                        | 19.61                  | 19.67          | 19.84            |                | 25/12              | 21.00                        | 19.78                  |
|               | 12/13              | 21.00                        | 19.80                  | 19.69          | 19.65            |                | 25/25              | 21.00                        | 19.62                  |
|               | 25/0               | 21.00                        | 19.62                  | 19.62          | 19.62            |                | 50/0               | 21.00                        | 19.72                  |
| 256QAM        | 1/0                | 21.00                        | 20.20                  | 19.91          | 20.06            | 256QAM         | 1/0                | 21.00                        | 19.55                  |
|               | 1/12               | 21.00                        | 20.09                  | 20.11          | 20.10            |                | 1/24               | 21.00                        | 19.50                  |
|               | 1/24               | 21.00                        | 20.00                  | 20.11          | 19.78            |                | 1/49               | 21.00                        | 19.53                  |
|               | 12/0               | 20.00                        | 18.89                  | 18.98          | 18.91            |                | 25/0               | 20.00                        | 18.97                  |
|               | 12/6               | 20.00                        | 19.20                  | 19.01          | 18.92            |                | 25/12              | 20.00                        | 18.67                  |
|               | 12/13              | 20.00                        | 18.93                  | 19.10          | 18.91            |                | 25/25              | 20.00                        | 18.69                  |
|               | 25/0               | 20.00                        | 18.93                  | 19.17          | 18.87            |                | 50/0               | 20.00                        | 18.58                  |

Note: The tested channel results are marks in bold.

## 19. Conducted power measurement results of LTE B41

Ant 1\_Receiver on

| LTE B41/BW=5M |                | Average Conducted Power(dBm) |                        |            |              | LTE B41/BW=10M |                | Average Conducted Power(dBm) |                        |            |            |
|---------------|----------------|------------------------------|------------------------|------------|--------------|----------------|----------------|------------------------------|------------------------|------------|------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |            |
|               |                |                              | 39675/2498.5           | 40620/2593 | 41565/2687.5 |                |                |                              | 39700/2501             | 40620/2593 | 41540/2685 |
| QPSK          | 1/0            | 26.00                        | 24.81                  | 25.21      | 25.29        | QPSK           | 1/0            | 26.00                        | 24.94                  | 25.40      | 25.25      |
|               | 1/12           | 26.00                        | 24.95                  | 25.28      | 25.22        |                | 1/24           | 26.00                        | 25.05                  | 25.51      | 25.32      |
|               | 1/24           | 26.00                        | 24.94                  | 25.38      | 25.27        |                | 1/49           | 26.00                        | 25.01                  | 25.42      | 25.35      |
|               | 12/0           | 26.00                        | 24.57                  | 24.92      | 24.87        |                | 25/0           | 26.00                        | 24.70                  | 25.05      | 24.98      |
|               | 12/6           | 26.00                        | 24.53                  | 24.92      | 24.87        |                | 25/12          | 26.00                        | 24.69                  | 25.04      | 25.03      |
|               | 12/13          | 26.00                        | 24.55                  | 24.90      | 24.84        |                | 25/25          | 26.00                        | 24.68                  | 25.08      | 25.01      |
|               | 25/0           | 26.00                        | 24.55                  | 24.91      | 24.85        |                | 50/0           | 26.00                        | 24.65                  | 25.06      | 25.02      |
| 16QAM         | 1/0            | 26.00                        | 24.50                  | 24.89      | 24.85        | 16QAM          | 1/0            | 26.00                        | 24.71                  | 25.05      | 25.00      |
|               | 1/12           | 26.00                        | 24.52                  | 24.90      | 24.79        |                | 1/24           | 26.00                        | 24.73                  | 25.14      | 25.03      |
|               | 1/24           | 26.00                        | 24.54                  | 24.95      | 24.85        |                | 1/49           | 26.00                        | 24.69                  | 25.04      | 25.01      |
|               | 12/0           | 25.00                        | 23.70                  | 24.17      | 23.86        |                | 25/0           | 25.00                        | 23.78                  | 24.08      | 24.06      |
|               | 12/6           | 25.00                        | 23.73                  | 24.21      | 23.91        |                | 25/12          | 25.00                        | 23.72                  | 24.12      | 24.11      |
|               | 12/13          | 25.00                        | 23.72                  | 24.20      | 23.90        |                | 25/25          | 25.00                        | 23.76                  | 24.07      | 24.09      |
|               | 25/0           | 25.00                        | 23.73                  | 24.10      | 23.99        |                | 50/0           | 25.00                        | 23.73                  | 24.05      | 23.98      |
| 64QAM         | 1/0            | 25.00                        | 23.63                  | 23.27      | 23.04        | 64QAM          | 1/0            | 25.00                        | 23.60                  | 23.14      | 23.48      |
|               | 1/12           | 25.00                        | 23.51                  | 23.62      | 23.39        |                | 1/24           | 25.00                        | 23.44                  | 23.38      | 23.55      |
|               | 1/24           | 25.00                        | 23.73                  | 23.49      | 23.54        |                | 1/49           | 25.00                        | 23.53                  | 23.44      | 23.58      |
|               | 12/0           | 24.00                        | 22.54                  | 22.48      | 22.37        |                | 25/0           | 24.00                        | 22.39                  | 22.24      | 22.52      |
|               | 12/6           | 24.00                        | 22.60                  | 22.76      | 22.60        |                | 25/12          | 24.00                        | 22.57                  | 22.90      | 22.58      |
|               | 12/13          | 24.00                        | 22.26                  | 22.69      | 22.48        |                | 25/25          | 24.00                        | 22.70                  | 22.57      | 22.44      |
|               | 25/0           | 24.00                        | 22.19                  | 22.35      | 22.50        |                | 50/0           | 24.00                        | 22.18                  | 22.40      | 22.72      |
| 256QAM        | 1/0            | 24.00                        | 22.32                  | 22.39      | 22.23        | 256QAM         | 1/0            | 24.00                        | 22.31                  | 22.61      | 22.78      |
|               | 1/12           | 24.00                        | 22.13                  | 22.27      | 22.23        |                | 1/24           | 24.00                        | 22.11                  | 22.33      | 22.25      |
|               | 1/24           | 24.00                        | 22.40                  | 22.18      | 22.40        |                | 1/49           | 24.00                        | 22.22                  | 22.21      | 22.18      |
|               | 12/0           | 23.00                        | 21.39                  | 21.62      | 21.59        |                | 25/0           | 23.00                        | 21.93                  | 21.68      | 21.55      |
|               | 12/6           | 23.00                        | 21.64                  | 21.73      | 21.74        |                | 25/12          | 23.00                        | 21.88                  | 21.80      | 21.76      |
|               | 12/13          | 23.00                        | 21.93                  | 21.70      | 21.61        |                | 25/25          | 23.00                        | 22.17                  | 21.97      | 22.08      |
|               | 25/0           | 23.00                        | 21.52                  | 21.98      | 21.98        |                | 50/0           | 23.00                        | 21.67                  | 21.91      | 21.79      |

| LTE B41/BW=15M |                | Average Conducted Power(dBm) |                        |            |              | LTE B41/BW=20M |                | Average Conducted Power(dBm) |                        |            |            |
|----------------|----------------|------------------------------|------------------------|------------|--------------|----------------|----------------|------------------------------|------------------------|------------|------------|
| Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |            |
|                |                |                              | 39725/2503.5           | 40620/2593 | 41515/2682.5 |                |                |                              | 39750/2506             | 40620/2593 | 41490/2680 |
| QPSK           | 1/0            | 26.00                        | 24.74                  | 25.19      | 25.25        | QPSK           | 1/0            | 26.00                        | 25.27                  | 25.57      | 25.34      |
|                | 1/37           | 26.00                        | 24.78                  | 25.19      | 25.15        |                | 1/50           | 26.00                        | 25.21                  | 25.48      | 25.24      |
|                | 1/74           | 26.00                        | 24.76                  | 25.24      | 25.15        |                | 1/99           | 26.00                        | 25.25                  | 25.46      | 25.28      |
|                | 36/0           | 26.00                        | 24.59                  | 24.95      | 24.94        |                | 50/0           | 26.00                        | 24.69                  | 25.03      | 24.95      |
|                | 36/19          | 26.00                        | 24.54                  | 24.96      | 24.92        |                | 50/25          | 26.00                        | 24.74                  | 25.08      | 25.01      |
|                | 36/39          | 26.00                        | 24.53                  | 24.99      | 24.92        |                | 50/50          | 26.00                        | 24.70                  | 25.05      | 24.98      |
|                | 75/0           | 26.00                        | 24.51                  | 25.01      | 24.96        |                | 100/0          | 26.00                        | 24.72                  | 25.06      | 24.98      |
| 16QAM          | 1/0            | 26.00                        | 24.44                  | 24.92      | 24.84        | 16QAM          | 1/0            | 26.00                        | 24.68                  | 25.03      | 24.97      |
|                | 1/37           | 26.00                        | 24.49                  | 24.93      | 24.79        |                | 1/50           | 26.00                        | 24.73                  | 25.12      | 25.03      |
|                | 1/74           | 26.00                        | 24.43                  | 24.94      | 24.85        |                | 1/99           | 26.00                        | 24.71                  | 25.07      | 24.94      |
|                | 36/0           | 25.00                        | 23.59                  | 23.93      | 23.91        |                | 50/0           | 25.00                        | 23.61                  | 23.90      | 23.90      |
|                | 36/19          | 25.00                        | 23.55                  | 23.91      | 23.90        |                | 50/25          | 25.00                        | 23.57                  | 23.93      | 23.91      |
|                | 36/39          | 25.00                        | 23.55                  | 23.92      | 23.90        |                | 50/50          | 25.00                        | 23.58                  | 23.92      | 23.91      |
|                | 75/0           | 25.00                        | 23.55                  | 23.88      | 23.86        |                | 100/0          | 25.00                        | 23.57                  | 23.92      | 23.88      |
| 64QAM          | 1/0            | 25.00                        | 23.32                  | 23.03      | 23.21        | 64QAM          | 1/0            | 25.00                        | 23.59                  | 23.50      | 23.37      |
|                | 1/37           | 25.00                        | 23.08                  | 23.09      | 23.14        |                | 1/50           | 25.00                        | 23.44                  | 23.45      | 23.50      |
|                | 1/74           | 25.00                        | 23.28                  | 23.34      | 23.34        |                | 1/99           | 25.00                        | 23.67                  | 23.73      | 23.73      |
|                | 36/0           | 24.00                        | 22.26                  | 22.31      | 22.26        |                | 50/0           | 24.00                        | 22.26                  | 22.31      | 22.26      |
|                | 36/19          | 24.00                        | 22.49                  | 22.33      | 22.52        |                | 50/25          | 24.00                        | 22.50                  | 22.34      | 22.53      |
|                | 36/39          | 24.00                        | 22.38                  | 22.14      | 22.46        |                | 50/50          | 24.00                        | 22.30                  | 22.06      | 22.38      |
|                | 75/0           | 24.00                        | 22.24                  | 22.29      | 22.31        |                | 100/0          | 24.00                        | 22.26                  | 22.37      | 22.38      |
| 256QAM         | 1/0            | 24.00                        | 22.00                  | 22.03      | 22.07        | 256QAM         | 1/0            | 24.00                        | 22.24                  | 22.22      | 22.44      |
|                | 1/37           | 24.00                        | 22.19                  | 22.08      | 22.12        |                | 1/50           | 24.00                        | 22.08                  | 22.16      | 22.04      |
|                | 1/74           | 24.00                        | 22.16                  | 22.09      | 22.17        |                | 1/99           | 24.00                        | 22.00                  | 22.15      | 22.05      |
|                | 36/0           | 23.00                        | 21.77                  | 21.68      | 21.70        |                | 50/0           | 23.00                        | 21.70                  | 21.61      | 21.63      |
|                | 36/19          | 23.00                        | 21.80                  | 21.61      | 21.57        |                | 50/25          | 23.00                        | 21.61                  | 21.42      | 21.38      |
|                | 36/39          | 23.00                        | 21.57                  | 21.65      | 21.44        |                | 50/50          | 23.00                        | 21.62                  | 21.70      | 21.49      |
|                | 75/0           | 23.00                        | 21.27                  | 21.57      | 21.68        |                | 100/0          | 23.00                        | 21.40                  | 21.65      | 21.77      |

## Ant 1 Sensor off

| LTE B41/BW=5M |                | Average Conducted Power(dBm) |                        |            |              | LTE B41/BW=10M |                | Average Conducted Power(dBm) |                        |            |            |
|---------------|----------------|------------------------------|------------------------|------------|--------------|----------------|----------------|------------------------------|------------------------|------------|------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |            |
|               |                |                              | 39675/2498.5           | 40620/2593 | 41565/2687.5 |                |                |                              | 39700/2501             | 40620/2593 | 41540/2685 |
| QPSK          | 1/0            | 27.00                        | 25.27                  | 25.55      | 25.47        | QPSK           | 1/0            | 27.00                        | 25.46                  | 25.73      | 25.53      |
|               | 1/12           | 27.00                        | 25.36                  | 25.66      | 25.32        |                | 1/24           | 27.00                        | 25.55                  | 25.64      | 25.59      |
|               | 1/24           | 27.00                        | 25.31                  | 25.55      | 25.31        |                | 1/49           | 27.00                        | 25.43                  | 25.71      | 25.48      |
|               | 12/0           | 26.00                        | 24.60                  | 24.76      | 24.66        |                | 25/0           | 26.00                        | 24.57                  | 24.76      | 24.62      |
|               | 12/6           | 26.00                        | 24.58                  | 24.79      | 24.72        |                | 25/12          | 26.00                        | 24.60                  | 24.70      | 24.72      |
|               | 12/13          | 26.00                        | 24.52                  | 24.77      | 24.69        |                | 25/25          | 26.00                        | 24.50                  | 24.75      | 24.66      |
|               | 25/0           | 26.00                        | 24.62                  | 24.71      | 24.69        |                | 50/0           | 26.00                        | 24.55                  | 24.79      | 24.55      |
| 16QAM         | 1/0            | 26.00                        | 24.84                  | 25.28      | 24.99        | 16QAM          | 1/0            | 26.00                        | 24.68                  | 25.08      | 24.78      |
|               | 1/12           | 26.00                        | 24.92                  | 25.24      | 25.01        |                | 1/24           | 26.00                        | 24.82                  | 25.16      | 24.88      |
|               | 1/24           | 26.00                        | 24.89                  | 25.22      | 25.03        |                | 1/49           | 26.00                        | 24.81                  | 24.99      | 24.87      |
|               | 12/0           | 25.00                        | 23.64                  | 23.93      | 23.67        |                | 25/0           | 25.00                        | 23.67                  | 23.86      | 23.50      |
|               | 12/6           | 25.00                        | 23.66                  | 23.80      | 23.77        |                | 25/12          | 25.00                        | 23.49                  | 23.81      | 23.62      |
|               | 12/13          | 25.00                        | 23.56                  | 23.89      | 23.69        |                | 25/25          | 25.00                        | 23.60                  | 23.80      | 23.60      |
|               | 25/0           | 25.00                        | 23.51                  | 23.81      | 23.68        |                | 50/0           | 25.00                        | 23.52                  | 23.75      | 23.58      |
| 64QAM         | 1/0            | 25.00                        | 23.49                  | 23.37      | 23.32        | 64QAM          | 1/0            | 25.00                        | 23.34                  | 23.48      | 23.42      |
|               | 1/12           | 25.00                        | 23.42                  | 23.41      | 23.46        |                | 1/24           | 25.00                        | 23.38                  | 23.48      | 23.42      |
|               | 1/24           | 25.00                        | 23.36                  | 23.43      | 23.39        |                | 1/49           | 25.00                        | 23.42                  | 23.41      | 23.52      |
|               | 12/0           | 24.00                        | 22.37                  | 22.47      | 22.44        |                | 25/0           | 24.00                        | 22.51                  | 22.49      | 22.45      |
|               | 12/6           | 24.00                        | 22.33                  | 22.39      | 22.40        |                | 25/12          | 24.00                        | 22.44                  | 22.41      | 22.50      |
|               | 12/13          | 24.00                        | 22.57                  | 22.44      | 22.38        |                | 25/25          | 24.00                        | 22.52                  | 22.38      | 22.53      |
|               | 25/0           | 24.00                        | 22.30                  | 22.59      | 22.41        |                | 50/0           | 24.00                        | 22.36                  | 22.38      | 22.48      |
| 256QAM        | 1/0            | 24.00                        | 22.40                  | 22.48      | 22.48        | 256QAM         | 1/0            | 24.00                        | 22.41                  | 22.38      | 22.36      |
|               | 1/12           | 24.00                        | 22.43                  | 22.31      | 22.49        |                | 1/24           | 24.00                        | 22.50                  | 22.34      | 22.27      |
|               | 1/24           | 24.00                        | 22.40                  | 22.37      | 22.48        |                | 1/49           | 24.00                        | 22.52                  | 22.51      | 22.35      |
|               | 12/0           | 23.00                        | 21.44                  | 21.50      | 21.40        |                | 25/0           | 23.00                        | 21.39                  | 21.47      | 21.40      |
|               | 12/6           | 23.00                        | 21.44                  | 21.36      | 21.55        |                | 25/12          | 23.00                        | 21.27                  | 21.52      | 21.45      |
|               | 12/13          | 23.00                        | 21.51                  | 21.47      | 21.36        |                | 25/25          | 23.00                        | 21.31                  | 21.43      | 21.47      |
|               | 25/0           | 23.00                        | 21.48                  | 21.48      | 21.38        |                | 50/0           | 23.00                        | 21.39                  | 21.56      | 21.57      |

| LTE B41/BW=15M |                | Average Conducted Power(dBm) |                        |            |              | LTE B41/BW=20M |                | Average Conducted Power(dBm) |                        |            |            |
|----------------|----------------|------------------------------|------------------------|------------|--------------|----------------|----------------|------------------------------|------------------------|------------|------------|
| Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |            |
|                |                |                              | 39725/2503.5           | 40620/2593 | 41515/2682.5 |                |                |                              | 39750/2506             | 40620/2593 | 41490/2680 |
|                |                |                              |                        |            |              |                |                |                              |                        |            |            |
| QPSK           | 1/0            | 27.00                        | 25.30                  | 25.56      | 25.45        | QPSK           | 1/0            | 27.00                        | 25.54                  | 25.66      | 25.80      |
|                | 1/37           | 27.00                        | 25.35                  | 25.51      | 25.38        |                | 1/50           | 27.00                        | 25.48                  | 25.51      | 25.73      |
|                | 1/74           | 27.00                        | 25.33                  | 25.64      | 25.39        |                | 1/99           | 27.00                        | 25.43                  | 25.54      | 25.74      |
|                | 36/0           | 26.00                        | 24.38                  | 24.66      | 24.43        |                | 50/0           | 26.00                        | 24.36                  | 24.61      | 24.31      |
|                | 36/19          | 26.00                        | 24.44                  | 24.62      | 24.45        |                | 50/25          | 26.00                        | 24.41                  | 24.64      | 24.45      |
|                | 36/39          | 26.00                        | 24.31                  | 24.54      | 24.49        |                | 50/50          | 26.00                        | 24.38                  | 24.59      | 24.38      |
|                | 75/0           | 26.00                        | 24.32                  | 24.58      | 24.41        |                | 100/0          | 26.00                        | 24.38                  | 24.52      | 24.50      |
| 16QAM          | 1/0            | 26.00                        | 24.60                  | 24.93      | 24.70        | 16QAM          | 1/0            | 26.00                        | 24.68                  | 24.74      | 24.89      |
|                | 1/37           | 26.00                        | 24.65                  | 24.79      | 24.71        |                | 1/50           | 26.00                        | 24.71                  | 24.82      | 24.85      |
|                | 1/74           | 26.00                        | 24.57                  | 24.80      | 24.73        |                | 1/99           | 26.00                        | 24.74                  | 24.77      | 24.86      |
|                | 36/0           | 25.00                        | 23.42                  | 23.70      | 23.46        |                | 50/0           | 25.00                        | 23.39                  | 23.38      | 23.66      |
|                | 36/19          | 25.00                        | 23.39                  | 23.61      | 23.45        |                | 50/25          | 25.00                        | 23.51                  | 23.53      | 23.64      |
|                | 36/39          | 25.00                        | 23.27                  | 23.57      | 23.40        |                | 50/50          | 25.00                        | 23.37                  | 23.42      | 23.64      |
|                | 75/0           | 25.00                        | 23.44                  | 23.63      | 23.36        |                | 100/0          | 25.00                        | 23.54                  | 23.38      | 23.55      |
| 64QAM          | 1/0            | 25.00                        | 23.31                  | 23.44      | 23.46        | 64QAM          | 1/0            | 25.00                        | 23.48                  | 23.35      | 23.31      |
|                | 1/37           | 25.00                        | 23.41                  | 23.33      | 23.29        |                | 1/50           | 25.00                        | 23.55                  | 23.38      | 23.28      |
|                | 1/74           | 25.00                        | 23.36                  | 23.37      | 23.29        |                | 1/99           | 25.00                        | 23.26                  | 23.38      | 23.43      |
|                | 36/0           | 24.00                        | 22.28                  | 22.32      | 22.42        |                | 50/0           | 24.00                        | 22.39                  | 22.37      | 22.38      |
|                | 36/19          | 24.00                        | 22.47                  | 22.46      | 22.51        |                | 50/25          | 24.00                        | 22.45                  | 22.25      | 22.39      |
|                | 36/39          | 24.00                        | 22.34                  | 22.36      | 22.27        |                | 50/50          | 24.00                        | 22.31                  | 22.30      | 22.47      |
|                | 75/0           | 24.00                        | 22.48                  | 22.52      | 22.41        |                | 100/0          | 24.00                        | 22.54                  | 22.41      | 22.44      |
| 256QAM         | 1/0            | 24.00                        | 22.43                  | 22.46      | 22.35        | 256QAM         | 1/0            | 24.00                        | 22.34                  | 22.34      | 22.36      |
|                | 1/37           | 24.00                        | 22.46                  | 22.35      | 22.35        |                | 1/50           | 24.00                        | 22.30                  | 22.24      | 22.50      |
|                | 1/74           | 24.00                        | 22.43                  | 22.36      | 22.28        |                | 1/99           | 24.00                        | 22.46                  | 22.40      | 22.45      |
|                | 36/0           | 23.00                        | 21.33                  | 21.39      | 21.52        |                | 50/0           | 23.00                        | 21.39                  | 21.40      | 21.49      |
|                | 36/19          | 23.00                        | 21.48                  | 21.42      | 21.44        |                | 50/25          | 23.00                        | 21.40                  | 21.35      | 21.42      |
|                | 36/39          | 23.00                        | 21.46                  | 21.50      | 21.34        |                | 50/50          | 23.00                        | 21.45                  | 21.25      | 21.49      |
|                | 75/0           | 23.00                        | 21.44                  | 21.26      | 21.44        |                | 100/0          | 23.00                        | 21.46                  | 21.47      | 21.35      |

## Ant 1 Hotspot on

| LTE B41/BW=5M |                | Average Conducted Power(dBm) |                        |            |              | LTE B41/BW=10M |                | Average Conducted Power(dBm) |                        |            |            |
|---------------|----------------|------------------------------|------------------------|------------|--------------|----------------|----------------|------------------------------|------------------------|------------|------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |            |
|               |                |                              | 39675/2498.5           | 40620/2593 | 41565/2687.5 |                |                |                              | 39700/2501             | 40620/2593 | 41540/2685 |
| QPSK          | 1/0            | 24.00                        | 22.87                  | 23.13      | 23.14        | QPSK           | 1/0            | 24.00                        | 22.95                  | 23.12      | 23.04      |
|               | 1/12           | 24.00                        | 22.96                  | 23.08      | 23.06        |                | 1/24           | 24.00                        | 23.06                  | 23.20      | 23.13      |
|               | 1/24           | 24.00                        | 22.89                  | 23.17      | 23.10        |                | 1/49           | 24.00                        | 22.99                  | 23.21      | 23.06      |
|               | 12/0           | 24.00                        | 22.72                  | 23.00      | 22.95        |                | 25/0           | 24.00                        | 22.74                  | 23.02      | 22.99      |
|               | 12/6           | 24.00                        | 22.72                  | 23.06      | 23.02        |                | 25/12          | 24.00                        | 22.68                  | 23.07      | 23.01      |
|               | 12/13          | 24.00                        | 22.72                  | 23.03      | 22.97        |                | 25/25          | 24.00                        | 22.70                  | 23.07      | 23.01      |
|               | 25/0           | 24.00                        | 22.70                  | 23.01      | 22.99        |                | 50/0           | 24.00                        | 22.70                  | 23.03      | 23.00      |
| 16QAM         | 1/0            | 24.00                        | 22.66                  | 23.00      | 22.90        | 16QAM          | 1/0            | 24.00                        | 22.66                  | 23.02      | 22.99      |
|               | 1/12           | 24.00                        | 22.70                  | 23.10      | 23.00        |                | 1/24           | 24.00                        | 22.73                  | 23.11      | 23.02      |
|               | 1/24           | 24.00                        | 22.68                  | 23.03      | 22.95        |                | 1/49           | 24.00                        | 22.70                  | 23.06      | 23.00      |
|               | 12/0           | 23.00                        | 22.64                  | 22.75      | 22.87        |                | 25/0           | 23.00                        | 22.48                  | 22.73      | 22.81      |
|               | 12/6           | 23.00                        | 22.56                  | 22.80      | 22.83        |                | 25/12          | 23.00                        | 22.49                  | 22.88      | 22.81      |
|               | 12/13          | 23.00                        | 22.61                  | 22.91      | 22.88        |                | 25/25          | 23.00                        | 22.41                  | 22.79      | 22.84      |
|               | 25/0           | 23.00                        | 22.61                  | 22.69      | 22.68        |                | 50/0           | 23.00                        | 22.42                  | 22.91      | 22.77      |
| 64QAM         | 1/0            | 23.00                        | 21.81                  | 21.85      | 22.06        | 64QAM          | 1/0            | 23.00                        | 22.46                  | 22.54      | 22.17      |
|               | 1/12           | 23.00                        | 22.09                  | 22.07      | 22.07        |                | 1/24           | 23.00                        | 22.43                  | 22.51      | 22.47      |
|               | 1/24           | 23.00                        | 22.00                  | 21.95      | 22.04        |                | 1/49           | 23.00                        | 22.33                  | 22.30      | 22.43      |
|               | 12/0           | 22.00                        | 20.39                  | 20.46      | 20.37        |                | 25/0           | 22.00                        | 20.44                  | 20.49      | 20.44      |
|               | 12/6           | 22.00                        | 20.52                  | 20.46      | 20.41        |                | 25/12          | 22.00                        | 20.46                  | 20.45      | 20.33      |
|               | 12/13          | 22.00                        | 20.53                  | 20.59      | 20.54        |                | 25/25          | 22.00                        | 20.42                  | 20.42      | 20.36      |
|               | 25/0           | 22.00                        | 20.12                  | 20.25      | 20.37        |                | 50/0           | 22.00                        | 20.13                  | 20.47      | 20.44      |
| 256QAM        | 1/0            | 22.00                        | 20.33                  | 20.45      | 20.49        | 256QAM         | 1/0            | 22.00                        | 20.17                  | 20.37      | 20.23      |
|               | 1/12           | 22.00                        | 20.67                  | 20.67      | 20.62        |                | 1/24           | 22.00                        | 20.44                  | 20.34      | 20.46      |
|               | 1/24           | 22.00                        | 20.26                  | 20.28      | 20.15        |                | 1/49           | 22.00                        | 20.18                  | 20.15      | 20.09      |
|               | 12/0           | 21.00                        | 19.62                  | 19.75      | 19.68        |                | 25/0           | 21.00                        | 19.55                  | 19.52      | 19.53      |
|               | 12/6           | 21.00                        | 19.62                  | 19.49      | 19.58        |                | 25/12          | 21.00                        | 19.53                  | 19.51      | 19.60      |
|               | 12/13          | 21.00                        | 19.39                  | 19.46      | 19.33        |                | 25/25          | 21.00                        | 19.63                  | 19.51      | 19.62      |
|               | 25/0           | 21.00                        | 19.12                  | 19.35      | 19.27        |                | 50/0           | 21.00                        | 19.09                  | 19.42      | 19.38      |

| LTE B41/BW=15M |                | Average Conducted Power(dBm) |                        |            |              | LTE B41/BW=20M |                | Average Conducted Power(dBm) |                        |              |              |
|----------------|----------------|------------------------------|------------------------|------------|--------------|----------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|                |                |                              | 39725/2503.5           | 40620/2593 | 41515/2682.5 |                |                |                              | 39750/2506             | 40620/2593   | 41490/2680   |
|                |                |                              |                        |            |              |                |                |                              |                        |              |              |
| QPSK           | 1/0            | 24.00                        | 22.75                  | 23.20      | 23.18        | QPSK           | 1/0            | 24.00                        | 23.19                  | 23.22        | 23.15        |
|                | 1/37           | 24.00                        | 22.77                  | 23.19      | 23.09        |                | 1/50           | 24.00                        | <b>23.21</b>           | <b>23.29</b> | <b>23.28</b> |
|                | 1/74           | 24.00                        | 22.69                  | 23.20      | 23.11        |                | 1/99           | 24.00                        | 23.18                  | 23.21        | 23.14        |
|                | 36/0           | 24.00                        | 22.59                  | 22.91      | 22.95        |                | 50/0           | 24.00                        | 22.62                  | 22.55        | <b>23.02</b> |
|                | 36/19          | 24.00                        | 22.57                  | 22.90      | 22.92        |                | 50/25          | 24.00                        | 22.88                  | 22.90        | 22.99        |
|                | 36/39          | 24.00                        | 22.52                  | 22.96      | 22.90        |                | 50/50          | 24.00                        | 22.57                  | 22.86        | 22.96        |
|                | 75/0           | 24.00                        | 22.56                  | 22.96      | 22.97        |                | 100/0          | 24.00                        | 22.60                  | 22.93        | 22.89        |
| 16QAM          | 1/0            | 24.00                        | 22.55                  | 22.91      | 22.84        | 16QAM          | 1/0            | 24.00                        | 22.52                  | 22.91        | 22.88        |
|                | 1/37           | 24.00                        | 22.52                  | 22.90      | 22.80        |                | 1/50           | 24.00                        | 22.54                  | 22.93        | 22.78        |
|                | 1/74           | 24.00                        | 22.50                  | 22.91      | 22.85        |                | 1/99           | 24.00                        | 22.53                  | 23.00        | 22.86        |
|                | 36/0           | 23.00                        | 22.61                  | 22.90      | 22.88        |                | 50/0           | 23.00                        | 22.63                  | 22.95        | 22.86        |
|                | 36/19          | 23.00                        | 22.53                  | 22.90      | 22.86        |                | 50/25          | 23.00                        | 22.60                  | 22.93        | 22.88        |
|                | 36/39          | 23.00                        | 22.52                  | 22.92      | 22.89        |                | 50/50          | 23.00                        | 22.62                  | 22.94        | 22.84        |
|                | 75/0           | 23.00                        | 22.57                  | 22.92      | 22.88        |                | 100/0          | 23.00                        | 22.56                  | 22.91        | 22.85        |
| 64QAM          | 1/0            | 23.00                        | 21.06                  | 21.23      | 21.16        | 64QAM          | 1/0            | 23.00                        | 21.17                  | 21.10        | 21.38        |
|                | 1/37           | 23.00                        | 21.17                  | 21.21      | 21.23        |                | 1/50           | 23.00                        | 21.31                  | 21.31        | 21.29        |
|                | 1/74           | 23.00                        | 21.08                  | 21.18      | 21.13        |                | 1/99           | 23.00                        | 21.07                  | 21.08        | 21.16        |
|                | 36/0           | 22.00                        | 20.13                  | 20.14      | 20.17        |                | 50/0           | 22.00                        | 20.58                  | 20.47        | 20.49        |
|                | 36/19          | 22.00                        | 20.22                  | 20.17      | 20.13        |                | 50/25          | 22.00                        | 20.50                  | 20.49        | 20.50        |
|                | 36/39          | 22.00                        | 20.12                  | 20.20      | 20.15        |                | 50/50          | 22.00                        | 20.61                  | 20.66        | 20.54        |
|                | 75/0           | 22.00                        | 20.13                  | 20.26      | 20.36        |                | 100/0          | 22.00                        | 20.33                  | 20.61        | 20.56        |
| 256QAM         | 1/0            | 22.00                        | 20.11                  | 20.39      | 20.09        | 256QAM         | 1/0            | 22.00                        | 20.27                  | 20.15        | 20.37        |
|                | 1/37           | 22.00                        | 20.24                  | 20.15      | 20.18        |                | 1/50           | 22.00                        | 20.16                  | 20.14        | 20.09        |
|                | 1/74           | 22.00                        | 20.10                  | 20.20      | 20.08        |                | 1/99           | 22.00                        | 20.05                  | 20.18        | 20.07        |
|                | 36/0           | 21.00                        | 19.20                  | 19.23      | 19.21        |                | 50/0           | 21.00                        | 19.16                  | 19.09        | 19.08        |
|                | 36/19          | 21.00                        | 19.37                  | 19.29      | 19.26        |                | 50/25          | 21.00                        | 19.13                  | 19.10        | 19.15        |
|                | 36/39          | 21.00                        | 19.27                  | 19.19      | 19.28        |                | 50/50          | 21.00                        | 19.03                  | 19.04        | 19.16        |
|                | 75/0           | 21.00                        | 19.13                  | 19.39      | 19.30        |                | 100/0          | 21.00                        | 19.04                  | 19.08        | 19.04        |

Note: The tested channel results are marks in bold.

## 20. Conducted power measurement results of LTE B42

Ant 4\_Sensor on

| LTE B42/BW=5M |                | Average Conducted Power(dBm) |                        |            |              | LTE B42/BW=10M |                | Average Conducted Power(dBm) |                        |            |            |
|---------------|----------------|------------------------------|------------------------|------------|--------------|----------------|----------------|------------------------------|------------------------|------------|------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |            |
|               |                |                              | 42115/3452.5           | 42590/3500 | 43065/3547.5 |                |                |                              | 42140/3455             | 42590/3500 | 43040/3545 |
| QPSK          | 1/0            | 22.50                        | 21.07                  | 21.26      | 21.37        | QPSK           | 1/0            | 22.50                        | 21.30                  | 21.36      | 21.60      |
|               | 1/12           | 22.50                        | 21.05                  | 21.23      | 21.39        |                | 1/24           | 22.50                        | 21.25                  | 21.39      | 21.60      |
|               | 1/24           | 22.50                        | 21.13                  | 21.36      | 21.37        |                | 1/49           | 22.50                        | 21.32                  | 21.38      | 21.58      |
|               | 12/0           | 21.50                        | 20.38                  | 20.56      | 20.88        |                | 25/0           | 21.50                        | 20.43                  | 20.54      | 20.88      |
|               | 12/6           | 21.50                        | 20.42                  | 20.67      | 20.81        |                | 25/12          | 21.50                        | 20.46                  | 20.57      | 20.88      |
|               | 12/13          | 21.50                        | 20.38                  | 20.64      | 20.80        |                | 25/25          | 21.50                        | 20.46                  | 20.65      | 20.81      |
|               | 25/0           | 21.50                        | 20.37                  | 20.52      | 20.80        |                | 50/0           | 21.50                        | 20.42                  | 20.56      | 20.79      |
| 16QAM         | 1/0            | 21.50                        | 20.32                  | 20.75      | 20.95        | 16QAM          | 1/0            | 21.50                        | 20.24                  | 20.63      | 21.00      |
|               | 1/12           | 21.50                        | 20.37                  | 20.82      | 20.90        |                | 1/24           | 21.50                        | 20.27                  | 20.66      | 20.93      |
|               | 1/24           | 21.50                        | 20.36                  | 20.81      | 20.90        |                | 1/49           | 21.50                        | 20.27                  | 20.66      | 21.00      |
|               | 12/0           | 20.50                        | 19.86                  | 20.14      | 20.43        |                | 25/0           | 20.50                        | 19.87                  | 20.04      | 20.43      |
|               | 12/6           | 20.50                        | 19.90                  | 20.26      | 20.39        |                | 25/12          | 20.50                        | 19.91                  | 20.10      | 20.43      |
|               | 12/13          | 20.50                        | 19.87                  | 20.23      | 20.36        |                | 25/25          | 20.50                        | 19.89                  | 20.16      | 20.32      |
|               | 25/0           | 20.50                        | 19.83                  | 20.05      | 20.29        |                | 50/0           | 20.50                        | 19.89                  | 20.05      | 20.31      |
| 64QAM         | 1/0            | 20.50                        | 20.30                  | 20.21      | 20.25        | 64QAM          | 1/0            | 20.50                        | 20.15                  | 20.01      | 19.87      |
|               | 1/12           | 20.50                        | 20.02                  | 20.06      | 20.14        |                | 1/24           | 20.50                        | 19.92                  | 20.04      | 19.92      |
|               | 1/24           | 20.50                        | 20.23                  | 20.31      | 20.31        |                | 1/49           | 20.50                        | 19.71                  | 19.76      | 19.77      |
|               | 12/0           | 19.50                        | 18.97                  | 18.98      | 19.06        |                | 25/0           | 19.50                        | 18.99                  | 18.98      | 19.01      |
|               | 12/6           | 19.50                        | 19.21                  | 19.14      | 19.22        |                | 25/12          | 19.50                        | 18.89                  | 18.98      | 18.85      |
|               | 12/13          | 19.50                        | 19.12                  | 19.06      | 19.06        |                | 25/25          | 19.50                        | 19.15                  | 18.97      | 19.15      |
|               | 25/0           | 19.50                        | 19.19                  | 19.07      | 19.17        |                | 50/0           | 19.50                        | 19.19                  | 18.88      | 19.01      |
| 256QAM        | 1/0            | 19.50                        | 18.28                  | 18.21      | 18.24        | 256QAM         | 1/0            | 19.50                        | 18.23                  | 18.27      | 18.26      |
|               | 1/12           | 19.50                        | 18.16                  | 18.23      | 18.22        |                | 1/24           | 19.50                        | 18.18                  | 18.10      | 18.14      |
|               | 1/24           | 19.50                        | 18.05                  | 18.10      | 17.99        |                | 1/49           | 19.50                        | 18.24                  | 18.13      | 18.19      |
|               | 12/0           | 18.50                        | 17.53                  | 17.66      | 17.47        |                | 25/0           | 18.50                        | 17.41                  | 17.55      | 17.44      |
|               | 12/6           | 18.50                        | 17.64                  | 17.77      | 17.70        |                | 25/12          | 18.50                        | 17.49                  | 17.49      | 17.57      |
|               | 12/13          | 18.50                        | 17.62                  | 17.67      | 17.72        |                | 25/25          | 18.50                        | 17.65                  | 17.61      | 17.66      |
|               | 25/0           | 18.50                        | 17.41                  | 17.36      | 17.38        |                | 50/0           | 18.50                        | 17.33                  | 17.37      | 17.50      |

| LTE B42/BW=15M |                | Average Conducted Power(dBm) |                        |            |              | LTE B42/BW=20M |                | Average Conducted Power(dBm) |                        |            |              |
|----------------|----------------|------------------------------|------------------------|------------|--------------|----------------|----------------|------------------------------|------------------------|------------|--------------|
| Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              |
|                |                |                              | 42165/3457.5           | 42590/3500 | 43015/3542.5 |                |                |                              | 42190/3460             | 42590/3500 | 42990/3540   |
| QPSK           | 1/0            | 22.50                        | 21.05                  | 21.26      | 21.34        | QPSK           | 1/0            | 22.50                        | 21.24                  | 21.32      | 21.62        |
|                | 1/37           | 22.50                        | 20.98                  | 21.25      | 21.42        |                | 1/50           | 22.50                        | 21.28                  | 21.39      | 21.60        |
|                | 1/74           | 22.50                        | 21.10                  | 21.37      | 21.39        |                | 1/99           | 22.50                        | 21.22                  | 21.42      | <b>21.65</b> |
|                | 36/0           | 21.50                        | 20.25                  | 20.40      | 20.72        |                | 50/0           | 21.50                        | 20.19                  | 20.40      | 20.69        |
|                | 36/19          | 21.50                        | 20.26                  | 20.41      | 20.75        |                | 50/25          | 21.50                        | 20.30                  | 20.45      | <b>20.73</b> |
|                | 36/39          | 21.50                        | 20.27                  | 20.52      | 20.68        |                | 50/50          | 21.50                        | 20.28                  | 20.54      | 20.66        |
|                | 75/0           | 21.50                        | 20.28                  | 20.41      | 20.67        |                | 100/0          | 21.50                        | 20.29                  | 20.44      | 20.65        |
| 16QAM          | 1/0            | 21.50                        | 20.14                  | 20.25      | 20.60        | 16QAM          | 1/0            | 21.50                        | 20.37                  | 20.46      | 20.66        |
|                | 1/37           | 21.50                        | 20.25                  | 20.32      | 20.70        |                | 1/50           | 21.50                        | 20.37                  | 20.45      | 20.75        |
|                | 1/74           | 21.50                        | 20.25                  | 20.31      | 20.68        |                | 1/99           | 21.50                        | 20.39                  | 20.50      | 20.69        |
|                | 36/0           | 20.50                        | 19.80                  | 19.93      | 20.24        |                | 50/0           | 20.50                        | 19.71                  | 19.93      | 20.17        |
|                | 36/19          | 20.50                        | 19.79                  | 19.95      | 20.25        |                | 50/25          | 20.50                        | 19.80                  | 19.99      | 20.24        |
|                | 36/39          | 20.50                        | 19.80                  | 20.05      | 20.17        |                | 50/50          | 20.50                        | 19.83                  | 20.05      | 20.16        |
|                | 75/0           | 20.50                        | 19.80                  | 19.98      | 20.18        |                | 100/0          | 20.50                        | 19.79                  | 19.95      | 20.11        |
| 64QAM          | 1/0            | 20.50                        | 20.09                  | 19.93      | 20.00        | 64QAM          | 1/0            | 20.50                        | 20.12                  | 20.16      | 20.11        |
|                | 1/37           | 20.50                        | 19.94                  | 19.95      | 19.95        |                | 1/50           | 20.50                        | 20.02                  | 19.99      | 20.09        |
|                | 1/74           | 20.50                        | 19.80                  | 19.72      | 19.83        |                | 1/99           | 20.50                        | 20.03                  | 20.14      | 20.00        |
|                | 36/0           | 19.50                        | 19.12                  | 19.03      | 19.09        |                | 50/0           | 19.50                        | 18.99                  | 19.08      | 19.01        |
|                | 36/19          | 19.50                        | 19.05                  | 19.00      | 19.12        |                | 50/25          | 19.50                        | 19.15                  | 19.17      | 19.09        |
|                | 36/39          | 19.50                        | 19.20                  | 19.22      | 19.15        |                | 50/50          | 19.50                        | 19.19                  | 19.27      | 19.26        |
|                | 75/0           | 19.50                        | 19.10                  | 19.12      | 19.18        |                | 100/0          | 19.50                        | 19.10                  | 19.11      | 19.16        |
| 256QAM         | 1/0            | 19.50                        | 18.19                  | 17.96      | 18.42        | 256QAM         | 1/0            | 19.50                        | 18.05                  | 18.24      | 18.33        |
|                | 1/37           | 19.50                        | 18.25                  | 18.24      | 18.30        |                | 1/50           | 19.50                        | 18.06                  | 18.03      | 17.99        |
|                | 1/74           | 19.50                        | 18.06                  | 18.05      | 18.11        |                | 1/99           | 19.50                        | 18.02                  | 17.92      | 17.93        |
|                | 36/0           | 18.50                        | 17.22                  | 17.22      | 17.28        |                | 50/0           | 18.50                        | 17.37                  | 17.36      | 17.32        |
|                | 36/19          | 18.50                        | 17.37                  | 17.29      | 17.31        |                | 50/25          | 18.50                        | 17.42                  | 17.28      | 17.37        |
|                | 36/39          | 18.50                        | 17.38                  | 17.31      | 17.37        |                | 50/50          | 18.50                        | 17.40                  | 17.44      | 17.47        |
|                | 75/0           | 18.50                        | 17.13                  | 17.14      | 17.31        |                | 100/0          | 18.50                        | 17.24                  | 17.20      | 17.31        |

## Ant 4 Receiver on &amp; Sensor off

| LTE B42/BW=5M |                | Average Conducted Power(dBm) |                        |            |              | LTE B42/BW=10M |                | Average Conducted Power(dBm) |                        |            |            |
|---------------|----------------|------------------------------|------------------------|------------|--------------|----------------|----------------|------------------------------|------------------------|------------|------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |            |
|               |                |                              | 42115/3452.5           | 42590/3500 | 43065/3547.5 |                |                |                              | 42140/3455             | 42590/3500 | 43040/3545 |
| QPSK          | 1/0            | 24.00                        | 23.44                  | 23.21      | 23.40        | QPSK           | 1/0            | 24.00                        | 23.14                  | 23.10      | 23.46      |
|               | 1/12           | 24.00                        | 23.22                  | 23.42      | 23.25        |                | 1/24           | 24.00                        | 23.24                  | 23.14      | 23.48      |
|               | 1/24           | 24.00                        | 23.39                  | 23.35      | 23.24        |                | 1/49           | 24.00                        | 23.24                  | 23.29      | 23.42      |
|               | 12/0           | 23.00                        | 22.57                  | 22.45      | 22.50        |                | 25/0           | 23.00                        | 22.27                  | 22.45      | 22.38      |
|               | 12/6           | 23.00                        | 22.62                  | 22.56      | 22.44        |                | 25/12          | 23.00                        | 22.26                  | 22.47      | 22.50      |
|               | 12/13          | 23.00                        | 22.57                  | 22.42      | 22.52        |                | 25/25          | 23.00                        | 22.27                  | 22.40      | 22.53      |
|               | 25/0           | 23.00                        | 22.31                  | 22.40      | 22.40        |                | 50/0           | 23.00                        | 22.21                  | 22.32      | 22.46      |
| 16QAM         | 1/0            | 23.00                        | 22.48                  | 22.61      | 22.45        | 16QAM          | 1/0            | 23.00                        | 22.36                  | 22.42      | 22.53      |
|               | 1/12           | 23.00                        | 22.38                  | 22.56      | 22.25        |                | 1/24           | 23.00                        | 22.57                  | 22.47      | 22.47      |
|               | 1/24           | 23.00                        | 22.55                  | 22.50      | 22.23        |                | 1/49           | 23.00                        | 22.54                  | 22.33      | 22.57      |
|               | 12/0           | 22.00                        | 21.47                  | 21.22      | 21.39        |                | 25/0           | 22.00                        | 21.40                  | 21.25      | 21.30      |
|               | 12/6           | 22.00                        | 21.44                  | 21.25      | 21.46        |                | 25/12          | 22.00                        | 21.49                  | 21.25      | 21.26      |
|               | 12/13          | 22.00                        | 21.55                  | 21.32      | 21.32        |                | 25/25          | 22.00                        | 21.48                  | 21.33      | 21.42      |
|               | 25/0           | 22.00                        | 21.46                  | 21.31      | 21.40        |                | 50/0           | 22.00                        | 21.44                  | 21.51      | 21.24      |
| 64QAM         | 1/0            | 22.00                        | 21.25                  | 21.23      | 21.17        | 64QAM          | 1/0            | 22.00                        | 21.16                  | 21.13      | 21.18      |
|               | 1/12           | 22.00                        | 21.10                  | 21.13      | 21.34        |                | 1/24           | 22.00                        | 21.22                  | 21.11      | 21.11      |
|               | 1/24           | 22.00                        | 21.14                  | 21.21      | 21.23        |                | 1/49           | 22.00                        | 21.09                  | 21.06      | 21.20      |
|               | 12/0           | 21.00                        | 20.76                  | 20.80      | 20.76        |                | 25/0           | 21.00                        | 20.39                  | 20.38      | 20.46      |
|               | 12/6           | 21.00                        | 20.69                  | 20.89      | 20.64        |                | 25/12          | 21.00                        | 20.29                  | 20.45      | 20.44      |
|               | 12/13          | 21.00                        | 20.80                  | 20.85      | 20.77        |                | 25/25          | 21.00                        | 20.53                  | 20.48      | 20.40      |
|               | 25/0           | 21.00                        | 20.86                  | 20.85      | 20.76        |                | 50/0           | 21.00                        | 20.45                  | 20.39      | 20.45      |
| 256QAM        | 1/0            | 21.00                        | 20.14                  | 20.25      | 20.15        | 256QAM         | 1/0            | 21.00                        | 20.13                  | 20.01      | 20.10      |
|               | 1/12           | 21.00                        | 20.17                  | 20.31      | 20.15        |                | 1/24           | 21.00                        | 20.15                  | 20.11      | 20.07      |
|               | 1/24           | 21.00                        | 20.17                  | 20.24      | 20.11        |                | 1/49           | 21.00                        | 19.96                  | 20.10      | 20.05      |
|               | 12/0           | 20.00                        | 18.59                  | 18.55      | 18.47        |                | 25/0           | 20.00                        | 18.50                  | 18.63      | 18.55      |
|               | 12/6           | 20.00                        | 18.56                  | 18.46      | 18.50        |                | 25/12          | 20.00                        | 18.52                  | 18.64      | 18.61      |
|               | 12/13          | 20.00                        | 18.65                  | 18.68      | 18.50        |                | 25/25          | 20.00                        | 18.54                  | 18.61      | 18.63      |
|               | 25/0           | 20.00                        | 18.63                  | 18.56      | 18.53        |                | 50/0           | 20.00                        | 18.44                  | 18.52      | 18.44      |

| LTE B42/BW=15M |                | Average Conducted Power(dBm) |                        |            |              | LTE B42/BW=20M |                | Average Conducted Power(dBm) |                        |              |              |
|----------------|----------------|------------------------------|------------------------|------------|--------------|----------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|                |                |                              | 42165/3457.5           | 42590/3500 | 43015/3542.5 |                |                |                              | 42190/3460             | 42590/3500   | 42990/3540   |
|                |                |                              |                        |            |              |                |                |                              |                        |              |              |
| QPSK           | 1/0            | 24.00                        | 23.22                  | 23.16      | 23.43        | QPSK           | 1/0            | 24.00                        | 23.24                  | 23.27        | 23.35        |
|                | 1/37           | 24.00                        | 23.24                  | 23.11      | 23.41        |                | 1/50           | 24.00                        | <b>23.50</b>           | <b>23.22</b> | <b>23.61</b> |
|                | 1/74           | 24.00                        | 23.33                  | 23.06      | 23.38        |                | 1/99           | 24.00                        | 23.19                  | 23.13        | 23.54        |
|                | 36/0           | 23.00                        | 22.56                  | 22.44      | 22.47        |                | 50/0           | 23.00                        | 22.21                  | 22.37        | 22.11        |
|                | 36/19          | 23.00                        | 22.49                  | 22.39      | 22.45        |                | 50/25          | 23.00                        | <b>22.45</b>           | 22.33        | 22.34        |
|                | 36/39          | 23.00                        | 22.45                  | 22.41      | 22.53        |                | 50/50          | 23.00                        | 22.27                  | 22.38        | 22.25        |
|                | 75/0           | 23.00                        | 22.35                  | 22.43      | 22.57        |                | 100/0          | 23.00                        | 22.32                  | 22.37        | 22.20        |
| 16QAM          | 1/0            | 23.00                        | 22.63                  | 22.68      | 22.67        | 16QAM          | 1/0            | 23.00                        | 22.15                  | 22.16        | 22.10        |
|                | 1/37           | 23.00                        | 22.50                  | 22.66      | 22.69        |                | 1/50           | 23.00                        | 22.29                  | 22.07        | 22.08        |
|                | 1/74           | 23.00                        | 22.57                  | 22.51      | 22.69        |                | 1/99           | 23.00                        | 22.26                  | 22.22        | 22.09        |
|                | 36/0           | 22.00                        | 21.42                  | 21.26      | 21.39        |                | 50/0           | 22.00                        | 21.25                  | 21.50        | 21.39        |
|                | 36/19          | 22.00                        | 21.36                  | 21.18      | 21.36        |                | 50/25          | 22.00                        | 21.26                  | 21.41        | 21.34        |
|                | 36/39          | 22.00                        | 21.42                  | 21.24      | 21.43        |                | 50/50          | 22.00                        | 21.23                  | 21.43        | 21.38        |
|                | 75/0           | 22.00                        | 21.44                  | 21.24      | 21.33        |                | 100/0          | 22.00                        | 21.32                  | 21.43        | 21.36        |
| 64QAM          | 1/0            | 22.00                        | 21.48                  | 21.30      | 21.37        | 64QAM          | 1/0            | 22.00                        | 21.42                  | 21.39        | 21.44        |
|                | 1/37           | 22.00                        | 21.46                  | 21.50      | 21.53        |                | 1/50           | 22.00                        | 21.44                  | 21.29        | 21.30        |
|                | 1/74           | 22.00                        | 21.23                  | 21.26      | 21.33        |                | 1/99           | 22.00                        | 21.32                  | 21.33        | 21.43        |
|                | 36/0           | 21.00                        | 20.48                  | 20.37      | 20.37        |                | 50/0           | 21.00                        | 20.40                  | 20.31        | 20.36        |
|                | 36/19          | 21.00                        | 20.47                  | 20.36      | 20.51        |                | 50/25          | 21.00                        | 20.24                  | 20.29        | 20.35        |
|                | 36/39          | 21.00                        | 20.51                  | 20.35      | 20.37        |                | 50/50          | 21.00                        | 20.33                  | 20.27        | 20.25        |
|                | 75/0           | 21.00                        | 20.50                  | 20.41      | 20.46        |                | 100/0          | 21.00                        | 20.28                  | 20.34        | 20.24        |
| 256QAM         | 1/0            | 21.00                        | 19.76                  | 19.80      | 19.70        | 256QAM         | 1/0            | 21.00                        | 20.09                  | 20.08        | 20.10        |
|                | 1/37           | 21.00                        | 19.67                  | 19.75      | 19.58        |                | 1/50           | 21.00                        | 20.19                  | 20.12        | 20.20        |
|                | 1/74           | 21.00                        | 19.78                  | 19.65      | 19.64        |                | 1/99           | 21.00                        | 20.25                  | 20.15        | 20.17        |
|                | 36/0           | 20.00                        | 18.49                  | 18.48      | 18.59        |                | 50/0           | 20.00                        | 18.34                  | 18.58        | 18.59        |
|                | 36/19          | 20.00                        | 18.48                  | 18.46      | 18.51        |                | 50/25          | 20.00                        | 18.60                  | 18.64        | 18.47        |
|                | 36/39          | 20.00                        | 18.46                  | 18.54      | 18.51        |                | 50/50          | 20.00                        | 18.45                  | 18.46        | 18.37        |
|                | 75/0           | 20.00                        | 18.42                  | 18.40      | 18.50        |                | 100/0          | 20.00                        | 18.53                  | 18.37        | 18.44        |

## Ant 4 Hotspot on

| LTE B42/BW=5M |                | Average Conducted Power(dBm) |                        |            |              | LTE B42/BW=10M |                | Average Conducted Power(dBm) |                        |            |            |
|---------------|----------------|------------------------------|------------------------|------------|--------------|----------------|----------------|------------------------------|------------------------|------------|------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |            |
|               |                |                              | 42115/3452.5           | 42590/3500 | 43065/3547.5 |                |                |                              | 42140/3455             | 42590/3500 | 43040/3545 |
| QPSK          | 1/0            | 22.00                        | 20.42                  | 20.74      | 20.83        | QPSK           | 1/0            | 22.00                        | 20.53                  | 20.47      | 20.57      |
|               | 1/12           | 22.00                        | 20.51                  | 20.82      | 20.80        |                | 1/24           | 22.00                        | 20.55                  | 20.54      | 20.59      |
|               | 1/24           | 22.00                        | 20.48                  | 20.77      | 20.80        |                | 1/49           | 22.00                        | 20.54                  | 20.59      | 20.58      |
|               | 12/0           | 22.00                        | 20.49                  | 20.62      | 20.75        |                | 25/0           | 22.00                        | 20.49                  | 20.78      | 20.62      |
|               | 12/6           | 22.00                        | 20.53                  | 20.71      | 20.72        |                | 25/12          | 22.00                        | 20.52                  | 20.80      | 20.65      |
|               | 12/13          | 22.00                        | 20.57                  | 20.70      | 20.68        |                | 25/25          | 22.00                        | 20.47                  | 20.69      | 20.70      |
|               | 25/0           | 22.00                        | 20.53                  | 20.61      | 20.68        |                | 50/0           | 22.00                        | 20.47                  | 20.69      | 20.63      |
| 16QAM         | 1/0            | 22.00                        | 20.39                  | 20.64      | 20.75        | 16QAM          | 1/0            | 22.00                        | 20.42                  | 20.77      | 20.65      |
|               | 1/12           | 22.00                        | 20.40                  | 20.71      | 20.81        |                | 1/24           | 22.00                        | 20.49                  | 20.76      | 20.70      |
|               | 1/24           | 22.00                        | 20.40                  | 20.65      | 20.75        |                | 1/49           | 22.00                        | 20.44                  | 20.73      | 20.70      |
|               | 12/0           | 21.00                        | 20.43                  | 20.63      | 20.76        |                | 25/0           | 21.00                        | 20.46                  | 20.76      | 20.58      |
|               | 12/6           | 21.00                        | 20.47                  | 20.75      | 20.73        |                | 25/12          | 21.00                        | 20.49                  | 20.79      | 20.62      |
|               | 12/13          | 21.00                        | 20.42                  | 20.71      | 20.68        |                | 25/25          | 21.00                        | 20.48                  | 20.71      | 20.70      |
|               | 25/0           | 21.00                        | 20.47                  | 20.61      | 20.67        |                | 50/0           | 21.00                        | 20.49                  | 20.72      | 20.63      |
| 64QAM         | 1/0            | 21.00                        | 20.44                  | 20.59      | 20.43        | 64QAM          | 1/0            | 21.00                        | 20.13                  | 20.48      | 20.39      |
|               | 1/12           | 21.00                        | 20.38                  | 20.44      | 20.44        |                | 1/24           | 21.00                        | 20.00                  | 20.02      | 20.05      |
|               | 1/24           | 21.00                        | 20.34                  | 20.41      | 20.42        |                | 1/49           | 21.00                        | 20.05                  | 20.14      | 20.08      |
|               | 12/0           | 20.00                        | 19.37                  | 19.47      | 19.32        |                | 25/0           | 20.00                        | 19.05                  | 19.08      | 18.94      |
|               | 12/6           | 20.00                        | 19.62                  | 19.56      | 19.39        |                | 25/12          | 20.00                        | 19.14                  | 19.12      | 19.02      |
|               | 12/13          | 20.00                        | 19.26                  | 19.42      | 19.39        |                | 25/25          | 20.00                        | 19.18                  | 19.22      | 19.28      |
|               | 25/0           | 20.00                        | 19.44                  | 19.28      | 19.50        |                | 50/0           | 20.00                        | 19.14                  | 19.19      | 19.40      |
| 256QAM        | 1/0            | 20.00                        | 18.30                  | 18.37      | 18.29        | 256QAM         | 1/0            | 20.00                        | 18.63                  | 18.59      | 18.42      |
|               | 1/12           | 20.00                        | 18.36                  | 18.24      | 18.17        |                | 1/24           | 20.00                        | 18.29                  | 18.21      | 18.25      |
|               | 1/24           | 20.00                        | 18.33                  | 18.34      | 18.29        |                | 1/49           | 20.00                        | 18.28                  | 18.36      | 18.25      |
|               | 12/0           | 19.00                        | 17.44                  | 17.35      | 17.37        |                | 25/0           | 19.00                        | 17.58                  | 17.54      | 17.51      |
|               | 12/6           | 19.00                        | 17.62                  | 17.48      | 17.66        |                | 25/12          | 19.00                        | 17.55                  | 17.63      | 17.57      |
|               | 12/13          | 19.00                        | 17.42                  | 17.57      | 17.49        |                | 25/25          | 19.00                        | 17.73                  | 17.63      | 17.75      |
|               | 25/0           | 19.00                        | 17.51                  | 17.49      | 17.78        |                | 50/0           | 19.00                        | 17.56                  | 17.58      | 17.45      |

| LTE B42/BW=15M |                | Average Conducted Power(dBm) |                        |            |              | LTE B42/BW=20M |                | Average Conducted Power(dBm) |                        |              |              |
|----------------|----------------|------------------------------|------------------------|------------|--------------|----------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|                |                |                              | 42165/3457.5           | 42590/3500 | 43015/3542.5 |                |                |                              | 42190/3460             | 42590/3500   | 42990/3540   |
| QPSK           | 1/0            | 22.00                        | 20.45                  | 20.41      | 20.54        | QPSK           | 1/0            | 22.00                        | 20.38                  | 20.86        | 20.61        |
|                | 1/37           | 22.00                        | 20.41                  | 20.56      | 20.54        |                | 1/50           | 22.00                        | 20.48                  | 20.91        | <b>20.69</b> |
|                | 1/74           | 22.00                        | 20.41                  | 20.53      | 20.58        |                | 1/99           | 22.00                        | 20.45                  | 20.83        | 20.74        |
|                | 36/0           | 22.00                        | 20.50                  | 20.46      | 20.64        |                | 50/0           | 22.00                        | 20.40                  | 20.47        | 20.56        |
|                | 36/19          | 22.00                        | 20.50                  | 20.48      | 20.62        |                | 50/25          | 22.00                        | <b>20.45</b>           | <b>20.53</b> | <b>20.60</b> |
|                | 36/39          | 22.00                        | 20.52                  | 20.58      | 20.60        |                | 50/50          | 22.00                        | 20.42                  | 20.58        | 20.55        |
|                | 75/0           | 22.00                        | 20.52                  | 20.48      | 20.57        |                | 100/0          | 22.00                        | 20.42                  | 20.48        | 20.50        |
| 16QAM          | 1/0            | 22.00                        | 20.38                  | 20.39      | 20.52        | 16QAM          | 1/0            | 22.00                        | 20.40                  | 20.40        | 20.48        |
|                | 1/37           | 22.00                        | 20.40                  | 20.47      | 20.55        |                | 1/50           | 22.00                        | 20.43                  | 20.47        | 20.51        |
|                | 1/74           | 22.00                        | 20.42                  | 20.52      | 20.51        |                | 1/99           | 22.00                        | 20.45                  | 20.51        | 20.47        |
|                | 36/0           | 21.00                        | 20.48                  | 20.47      | 20.63        |                | 50/0           | 21.00                        | 20.49                  | 20.46        | 20.59        |
|                | 36/19          | 21.00                        | 20.53                  | 20.48      | 20.66        |                | 50/25          | 21.00                        | 20.57                  | 20.48        | 20.62        |
|                | 36/39          | 21.00                        | 20.54                  | 20.61      | 20.58        |                | 50/50          | 21.00                        | 20.56                  | 20.60        | 20.54        |
|                | 75/0           | 21.00                        | 20.52                  | 20.50      | 20.56        |                | 100/0          | 21.00                        | 20.52                  | 20.50        | 20.53        |
| 64QAM          | 1/0            | 21.00                        | 19.60                  | 19.93      | 20.45        | 64QAM          | 1/0            | 21.00                        | 20.28                  | 20.19        | 20.28        |
|                | 1/37           | 21.00                        | 20.21                  | 20.16      | 20.20        |                | 1/50           | 21.00                        | 20.11                  | 20.05        | 20.27        |
|                | 1/74           | 21.00                        | 20.11                  | 20.12      | 20.03        |                | 1/99           | 21.00                        | 19.98                  | 20.19        | 20.07        |
|                | 36/0           | 20.00                        | 19.18                  | 19.29      | 19.20        |                | 50/0           | 20.00                        | 18.93                  | 19.06        | 19.06        |
|                | 36/19          | 20.00                        | 19.33                  | 19.31      | 19.34        |                | 50/25          | 20.00                        | 19.15                  | 19.03        | 19.33        |
|                | 36/39          | 20.00                        | 19.36                  | 19.23      | 19.30        |                | 50/50          | 20.00                        | 19.09                  | 19.14        | 19.26        |
|                | 75/0           | 20.00                        | 19.34                  | 19.20      | 19.59        |                | 100/0          | 20.00                        | 19.03                  | 19.24        | 19.20        |
| 256QAM         | 1/0            | 20.00                        | 18.47                  | 18.71      | 18.63        | 256QAM         | 1/0            | 20.00                        | 18.35                  | 18.41        | 18.16        |
|                | 1/37           | 20.00                        | 18.46                  | 18.38      | 18.27        |                | 1/50           | 20.00                        | 18.26                  | 18.34        | 18.30        |
|                | 1/74           | 20.00                        | 18.36                  | 18.50      | 18.47        |                | 1/99           | 20.00                        | 18.61                  | 18.53        | 18.64        |
|                | 36/0           | 19.00                        | 17.57                  | 17.55      | 17.59        |                | 50/0           | 19.00                        | 17.23                  | 17.15        | 17.20        |
|                | 36/19          | 19.00                        | 17.56                  | 17.42      | 17.61        |                | 50/25          | 19.00                        | 17.08                  | 17.05        | 17.07        |
|                | 36/39          | 19.00                        | 17.45                  | 17.48      | 17.59        |                | 50/50          | 19.00                        | 17.21                  | 17.08        | 17.42        |
|                | 75/0           | 19.00                        | 17.42                  | 17.45      | 17.54        |                | 100/0          | 19.00                        | 17.07                  | 17.12        | 17.11        |

Note: The tested channel results are marks in bold.

## 21. Conducted power measurement results of LTE B48

## Ant 4\_Receiver on &amp; Sensor off

| LTE B48/BW=5M |                | Average Conducted Power(dBm) |                        |            |              | LTE B48/BW=10M |                | Average Conducted Power(dBm) |                        |            |            |
|---------------|----------------|------------------------------|------------------------|------------|--------------|----------------|----------------|------------------------------|------------------------|------------|------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |            |
|               |                |                              | 55265/3552.5           | 55990/3625 | 56715/3597.5 |                |                |                              | 55290/3555             | 55990/3625 | 56690/3695 |
| QPSK          | 1/0            | 24.00                        | 22.87                  | 22.85      | 22.76        | QPSK           | 1/0            | 24.00                        | 22.75                  | 22.93      | 22.91      |
|               | 1/12           | 24.00                        | 22.81                  | 22.81      | 22.87        |                | 1/24           | 24.00                        | 22.85                  | 22.99      | 23.07      |
|               | 1/24           | 24.00                        | 22.84                  | 22.85      | 22.92        |                | 1/49           | 24.00                        | 22.91                  | 22.81      | 22.68      |
|               | 12/0           | 23.00                        | 21.92                  | 22.11      | 21.95        |                | 25/0           | 23.00                        | 22.48                  | 22.81      | 22.64      |
|               | 12/6           | 23.00                        | 22.01                  | 22.31      | 22.08        |                | 25/12          | 23.00                        | 22.48                  | 22.87      | 22.77      |
|               | 12/13          | 23.00                        | 21.93                  | 22.26      | 22.22        |                | 25/25          | 23.00                        | 22.48                  | 22.78      | 22.60      |
|               | 25/0           | 23.00                        | 21.78                  | 22.12      | 21.79        |                | 50/0           | 23.00                        | 22.54                  | 22.61      | 22.51      |
| 16QAM         | 1/0            | 23.00                        | 22.12                  | 22.22      | 22.18        | 16QAM          | 1/0            | 23.00                        | 22.26                  | 22.47      | 22.55      |
|               | 1/12           | 23.00                        | 22.24                  | 22.32      | 22.16        |                | 1/24           | 23.00                        | 22.46                  | 22.46      | 22.29      |
|               | 1/24           | 23.00                        | 21.92                  | 22.09      | 22.26        |                | 1/49           | 23.00                        | 22.03                  | 22.30      | 22.42      |
|               | 12/0           | 22.00                        | 21.49                  | 21.67      | 21.65        |                | 25/0           | 22.00                        | 21.45                  | 21.52      | 21.44      |
|               | 12/6           | 22.00                        | 21.52                  | 21.73      | 21.46        |                | 25/12          | 22.00                        | 21.41                  | 21.59      | 21.47      |
|               | 12/13          | 22.00                        | 21.21                  | 21.54      | 21.37        |                | 25/25          | 22.00                        | 21.46                  | 21.61      | 21.48      |
|               | 25/0           | 22.00                        | 21.26                  | 21.61      | 21.41        |                | 50/0           | 22.00                        | 21.52                  | 21.53      | 21.35      |
| 64QAM         | 1/0            | 22.00                        | 21.36                  | 21.45      | 21.56        | 64QAM          | 1/0            | 22.00                        | 21.34                  | 21.52      | 21.47      |
|               | 1/12           | 22.00                        | 21.62                  | 21.52      | 21.44        |                | 1/24           | 22.00                        | 21.47                  | 21.53      | 21.54      |
|               | 1/24           | 22.00                        | 21.48                  | 21.51      | 21.36        |                | 1/49           | 22.00                        | 21.62                  | 21.58      | 21.59      |
|               | 12/0           | 21.00                        | 20.44                  | 20.59      | 20.62        |                | 25/0           | 21.00                        | 20.42                  | 20.43      | 20.63      |
|               | 12/6           | 21.00                        | 20.61                  | 20.47      | 20.65        |                | 25/12          | 21.00                        | 20.53                  | 20.35      | 20.18      |
|               | 12/13          | 21.00                        | 20.52                  | 20.64      | 20.61        |                | 25/25          | 21.00                        | 20.51                  | 20.34      | 20.16      |
|               | 25/0           | 21.00                        | 20.38                  | 20.27      | 20.48        |                | 50/0           | 21.00                        | 20.46                  | 20.30      | 20.15      |
| 256QAM        | 1/0            | 21.00                        | 20.08                  | 19.98      | 19.89        | 256QAM         | 1/0            | 21.00                        | 20.41                  | 20.34      | 20.08      |
|               | 1/12           | 21.00                        | 20.25                  | 20.02      | 20.03        |                | 1/24           | 21.00                        | 20.43                  | 20.39      | 20.54      |
|               | 1/24           | 21.00                        | 20.31                  | 20.24      | 19.97        |                | 1/49           | 21.00                        | 20.56                  | 20.37      | 20.27      |
|               | 12/0           | 20.00                        | 19.19                  | 19.31      | 19.31        |                | 25/0           | 20.00                        | 19.35                  | 19.37      | 19.39      |
|               | 12/6           | 20.00                        | 19.20                  | 19.32      | 19.17        |                | 25/12          | 20.00                        | 19.48                  | 19.50      | 19.42      |
|               | 12/13          | 20.00                        | 19.20                  | 19.44      | 19.10        |                | 25/25          | 20.00                        | 19.46                  | 19.44      | 19.40      |
|               | 25/0           | 20.00                        | 18.98                  | 19.41      | 19.11        |                | 50/0           | 20.00                        | 19.39                  | 19.55      | 19.43      |

| LTE B48/BW=15M |                | Average Conducted Power(dBm) |                        |            |              | LTE B48/BW=20M |                | Average Conducted Power(dBm) |                        |              |              |
|----------------|----------------|------------------------------|------------------------|------------|--------------|----------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|                |                |                              | 55315/3557.5           | 55990/3625 | 56665/3692.5 |                |                |                              | 55340/3560             | 55990/3625   | 56640/3690   |
| QPSK           | 1/0            | 24.00                        | 22.83                  | 22.94      | 22.74        | QPSK           | 1/0            | 24.00                        | 22.90                  | 22.83        | 22.85        |
|                | 1/37           | 24.00                        | 22.86                  | 22.98      | 22.93        |                | 1/50           | 24.00                        | <b>23.15</b>           | <b>23.03</b> | <b>22.86</b> |
|                | 1/74           | 24.00                        | 22.83                  | 22.80      | 22.86        |                | 1/99           | 24.00                        | 22.90                  | 22.95        | 22.87        |
|                | 36/0           | 23.00                        | 21.79                  | 22.18      | 21.83        |                | 50/0           | 23.00                        | 22.13                  | 22.26        | 21.68        |
|                | 36/19          | 23.00                        | 21.84                  | 22.15      | 22.00        |                | 50/25          | 23.00                        | <b>22.33</b>           | 22.23        | 22.07        |
|                | 36/39          | 23.00                        | 22.09                  | 22.02      | 21.92        |                | 50/50          | 23.00                        | 22.25                  | 22.21        | 21.99        |
|                | 75/0           | 23.00                        | 21.67                  | 21.74      | 21.64        |                | 100/0          | 23.00                        | 21.88                  | 22.07        | 21.67        |
| 16QAM          | 1/0            | 23.00                        | 22.42                  | 22.49      | 22.59        | 16QAM          | 1/0            | 23.00                        | 22.12                  | 22.06        | 22.03        |
|                | 1/37           | 23.00                        | 22.84                  | 22.64      | 22.66        |                | 1/50           | 23.00                        | 21.99                  | 22.13        | 22.15        |
|                | 1/74           | 23.00                        | 22.50                  | 22.80      | 22.30        |                | 1/99           | 23.00                        | 22.19                  | 22.23        | 21.82        |
|                | 36/0           | 22.00                        | 21.35                  | 21.64      | 21.41        |                | 50/0           | 22.00                        | 21.25                  | 21.17        | 20.92        |
|                | 36/19          | 22.00                        | 21.17                  | 21.34      | 21.30        |                | 50/25          | 22.00                        | 21.20                  | 21.35        | 21.29        |
|                | 36/39          | 22.00                        | 21.08                  | 21.32      | 21.42        |                | 50/50          | 22.00                        | 21.14                  | 21.38        | 21.02        |
|                | 75/0           | 22.00                        | 20.52                  | 20.70      | 20.60        |                | 100/0          | 22.00                        | 20.77                  | 20.88        | 20.73        |
| 64QAM          | 1/0            | 22.00                        | 21.67                  | 21.66      | 21.73        | 64QAM          | 1/0            | 22.00                        | 21.36                  | 21.51        | 21.55        |
|                | 1/37           | 22.00                        | 21.79                  | 21.51      | 21.57        |                | 1/50           | 22.00                        | 21.47                  | 21.35        | 21.58        |
|                | 1/74           | 22.00                        | 21.48                  | 21.47      | 21.61        |                | 1/99           | 22.00                        | 21.37                  | 21.46        | 21.52        |
|                | 36/0           | 21.00                        | 20.48                  | 20.64      | 20.20        |                | 50/0           | 21.00                        | 20.70                  | 20.79        | 20.50        |
|                | 36/19          | 21.00                        | 20.52                  | 20.45      | 20.32        |                | 50/25          | 21.00                        | 20.77                  | 20.51        | 20.58        |
|                | 36/39          | 21.00                        | 20.43                  | 20.80      | 20.29        |                | 50/50          | 21.00                        | 20.71                  | 20.66        | 20.69        |
|                | 75/0           | 21.00                        | 20.23                  | 20.41      | 20.33        |                | 100/0          | 21.00                        | 20.11                  | 20.23        | 20.07        |
| 256QAM         | 1/0            | 21.00                        | 20.03                  | 20.27      | 20.20        | 256QAM         | 1/0            | 21.00                        | 20.63                  | 20.35        | 20.12        |
|                | 1/37           | 21.00                        | 20.05                  | 20.34      | 20.21        |                | 1/50           | 21.00                        | 20.60                  | 20.27        | 20.38        |
|                | 1/74           | 21.00                        | 20.06                  | 20.21      | 20.24        |                | 1/99           | 21.00                        | 20.55                  | 20.38        | 20.42        |
|                | 36/0           | 20.00                        | 19.37                  | 19.24      | 19.42        |                | 50/0           | 20.00                        | 19.34                  | 19.39        | 19.37        |
|                | 36/19          | 20.00                        | 19.12                  | 19.46      | 19.45        |                | 50/25          | 20.00                        | 19.33                  | 19.47        | 19.44        |
|                | 36/39          | 20.00                        | 19.30                  | 19.48      | 19.39        |                | 50/50          | 20.00                        | 19.42                  | 19.54        | 19.59        |
|                | 75/0           | 20.00                        | 19.35                  | 19.32      | 19.43        |                | 100/0          | 20.00                        | 18.05                  | 18.82        | 18.10        |

## Ant 4 Hotspot on

| LTE B48/BW=5M |                | Average Conducted Power(dBm) |                        |            |              | LTE B48/BW=10M |                | Average Conducted Power(dBm) |                        |            |            |
|---------------|----------------|------------------------------|------------------------|------------|--------------|----------------|----------------|------------------------------|------------------------|------------|------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |            |
|               |                |                              | 55265/3552.5           | 55990/3625 | 56715/3597.5 |                |                |                              | 55290/3555             | 55990/3625 | 56690/3695 |
| QPSK          | 1/0            | 21.50                        | 20.33                  | 20.15      | 20.09        | QPSK           | 1/0            | 21.50                        | 20.29                  | 20.07      | 19.99      |
|               | 1/12           | 21.50                        | 20.19                  | 20.12      | 20.02        |                | 1/24           | 21.50                        | 20.03                  | 19.91      | 19.87      |
|               | 1/24           | 21.50                        | 20.24                  | 20.11      | 20.01        |                | 1/49           | 21.50                        | 20.05                  | 19.87      | 19.74      |
|               | 12/0           | 21.50                        | 20.27                  | 20.12      | 19.97        |                | 25/0           | 21.50                        | 20.13                  | 19.96      | 19.92      |
|               | 12/6           | 21.50                        | 20.21                  | 20.15      | 20.09        |                | 25/12          | 21.50                        | 20.13                  | 19.95      | 19.85      |
|               | 12/13          | 21.50                        | 20.19                  | 20.03      | 19.93        |                | 25/25          | 21.50                        | 20.01                  | 19.91      | 19.79      |
|               | 25/0           | 21.50                        | 20.28                  | 20.09      | 19.96        |                | 50/0           | 21.50                        | 20.19                  | 19.96      | 19.96      |
| 16QAM         | 1/0            | 21.50                        | 20.23                  | 20.08      | 20.14        | 16QAM          | 1/0            | 21.50                        | 20.28                  | 20.11      | 20.13      |
|               | 1/12           | 21.50                        | 20.14                  | 19.99      | 19.94        |                | 1/24           | 21.50                        | 20.17                  | 19.98      | 19.88      |
|               | 1/24           | 21.50                        | 20.06                  | 19.96      | 19.79        |                | 1/49           | 21.50                        | 19.99                  | 19.87      | 19.81      |
|               | 12/0           | 21.50                        | 20.11                  | 19.97      | 19.90        |                | 25/0           | 21.50                        | 20.07                  | 19.94      | 19.90      |
|               | 12/6           | 21.50                        | 20.12                  | 19.99      | 19.82        |                | 25/12          | 21.50                        | 20.13                  | 20.01      | 19.97      |
|               | 12/13          | 21.50                        | 20.01                  | 19.91      | 19.91        |                | 25/25          | 21.50                        | 20.01                  | 19.88      | 19.76      |
|               | 25/0           | 21.50                        | 20.28                  | 20.02      | 20.09        |                | 50/0           | 21.50                        | 20.21                  | 20.02      | 20.06      |
| 64QAM         | 1/0            | 21.50                        | 19.91                  | 19.57      | 19.57        | 64QAM          | 1/0            | 21.50                        | 19.92                  | 19.79      | 19.68      |
|               | 1/12           | 21.50                        | 19.66                  | 19.68      | 19.69        |                | 1/24           | 21.50                        | 19.62                  | 19.53      | 19.62      |
|               | 1/24           | 21.50                        | 19.56                  | 19.56      | 19.63        |                | 1/49           | 21.50                        | 19.67                  | 19.71      | 19.53      |
|               | 12/0           | 20.50                        | 19.43                  | 19.27      | 19.42        |                | 25/0           | 20.50                        | 18.89                  | 18.97      | 18.79      |
|               | 12/6           | 20.50                        | 19.06                  | 19.19      | 19.12        |                | 25/12          | 20.50                        | 19.23                  | 19.11      | 19.15      |
|               | 12/13          | 20.50                        | 19.09                  | 19.12      | 19.20        |                | 25/25          | 20.50                        | 19.14                  | 19.10      | 18.93      |
|               | 25/0           | 20.50                        | 19.56                  | 19.19      | 18.91        |                | 50/0           | 20.50                        | 19.09                  | 19.12      | 18.63      |
| 256QAM        | 1/0            | 20.50                        | 19.16                  | 18.96      | 19.16        | 256QAM         | 1/0            | 20.50                        | 18.54                  | 18.75      | 18.62      |
|               | 1/12           | 20.50                        | 19.11                  | 18.83      | 18.95        |                | 1/24           | 20.50                        | 18.54                  | 18.78      | 18.60      |
|               | 1/24           | 20.50                        | 19.00                  | 18.84      | 18.99        |                | 1/49           | 20.50                        | 18.55                  | 18.60      | 18.58      |
|               | 12/0           | 19.50                        | 17.61                  | 17.80      | 17.83        |                | 25/0           | 19.50                        | 17.79                  | 17.58      | 17.73      |
|               | 12/6           | 19.50                        | 17.80                  | 17.90      | 17.84        |                | 25/12          | 19.50                        | 17.83                  | 17.86      | 17.75      |
|               | 12/13          | 19.50                        | 17.67                  | 17.59      | 17.59        |                | 25/25          | 19.50                        | 17.63                  | 17.59      | 17.61      |
|               | 25/0           | 19.50                        | 17.85                  | 18.00      | 17.65        |                | 50/0           | 19.50                        | 17.96                  | 17.64      | 17.70      |

| LTE B48/BW=15M |                | Average Conducted Power(dBm) |                        |            |              | LTE B48/BW=20M |                | Average Conducted Power(dBm) |                        |              |              |
|----------------|----------------|------------------------------|------------------------|------------|--------------|----------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |            |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|                |                |                              | 55315/3557.5           | 55990/3625 | 56665/3692.5 |                |                |                              | 55340/3560             | 55990/3625   | 56640/3690   |
| QPSK           | 1/0            | 21.50                        | 20.19                  | 19.83      | 19.91        | QPSK           | 1/0            | 21.50                        | 20.37                  | 20.24        | 20.01        |
|                | 1/37           | 21.50                        | 20.05                  | 19.81      | 19.77        |                | 1/50           | 21.50                        | <b>20.41</b>           | 20.35        | 20.12        |
|                | 1/74           | 21.50                        | 20.05                  | 19.78      | 19.63        |                | 1/99           | 21.50                        | 20.33                  | 20.21        | 20.01        |
|                | 36/0           | 21.50                        | 20.29                  | 19.99      | 19.82        |                | 50/0           | 21.50                        | 20.34                  | 20.31        | 20.08        |
|                | 36/19          | 21.50                        | 20.29                  | 20.00      | 19.85        |                | 50/25          | 21.50                        | <b>20.38</b>           | <b>20.26</b> | <b>20.06</b> |
|                | 36/39          | 21.50                        | 20.14                  | 19.92      | 19.78        |                | 50/50          | 21.50                        | 20.33                  | 20.26        | 20.10        |
|                | 75/0           | 21.50                        | 20.06                  | 19.98      | 19.84        |                | 100/0          | 21.50                        | <b>20.18</b>           | 19.95        | 20.06        |
| 16QAM          | 1/0            | 21.50                        | 20.24                  | 19.92      | 19.95        | 16QAM          | 1/0            | 21.50                        | 20.26                  | 20.03        | 20.14        |
|                | 1/37           | 21.50                        | 20.23                  | 19.95      | 19.89        |                | 1/50           | 21.50                        | 20.13                  | 19.96        | 20.04        |
|                | 1/74           | 21.50                        | 20.17                  | 19.85      | 19.75        |                | 1/99           | 21.50                        | 20.13                  | 20.02        | 20.07        |
|                | 36/0           | 21.50                        | 20.31                  | 20.01      | 19.92        |                | 50/0           | 21.50                        | 20.11                  | 19.98        | 20.05        |
|                | 36/19          | 21.50                        | 20.15                  | 19.97      | 19.82        |                | 50/25          | 21.50                        | 20.16                  | 20.00        | 20.15        |
|                | 36/39          | 21.50                        | 20.15                  | 19.92      | 19.86        |                | 50/50          | 21.50                        | 20.11                  | 19.92        | 20.06        |
|                | 75/0           | 21.50                        | 20.02                  | 19.99      | 19.76        |                | 100/0          | 21.50                        | 19.93                  | 19.56        | 19.77        |
| 64QAM          | 1/0            | 21.50                        | 20.19                  | 19.95      | 19.66        | 64QAM          | 1/0            | 21.50                        | 19.93                  | 19.95        | 19.66        |
|                | 1/37           | 21.50                        | 19.86                  | 19.95      | 19.74        |                | 1/50           | 21.50                        | 19.84                  | 19.81        | 19.88        |
|                | 1/74           | 21.50                        | 19.55                  | 19.79      | 19.70        |                | 1/99           | 21.50                        | 19.78                  | 19.90        | 19.92        |
|                | 36/0           | 20.50                        | 19.17                  | 19.24      | 19.31        |                | 50/0           | 20.50                        | 19.48                  | 19.48        | 19.44        |
|                | 36/19          | 20.50                        | 19.33                  | 19.17      | 19.32        |                | 50/25          | 20.50                        | 19.47                  | 19.40        | 19.26        |
|                | 36/39          | 20.50                        | 19.35                  | 19.17      | 19.30        |                | 50/50          | 20.50                        | 19.35                  | 19.28        | 19.35        |
|                | 75/0           | 20.50                        | 19.51                  | 19.33      | 18.88        |                | 100/0          | 20.50                        | 19.64                  | 19.41        | 19.00        |
| 256QAM         | 1/0            | 20.50                        | 18.74                  | 18.59      | 18.55        | 256QAM         | 1/0            | 20.50                        | 18.90                  | 18.96        | 18.64        |
|                | 1/37           | 20.50                        | 18.66                  | 18.58      | 18.59        |                | 1/50           | 20.50                        | 18.75                  | 18.64        | 18.67        |
|                | 1/74           | 20.50                        | 18.57                  | 18.57      | 18.53        |                | 1/99           | 20.50                        | 18.83                  | 18.71        | 18.91        |
|                | 36/0           | 19.50                        | 17.89                  | 17.70      | 17.72        |                | 50/0           | 19.50                        | 17.94                  | 18.21        | 17.95        |
|                | 36/19          | 19.50                        | 17.64                  | 17.68      | 17.66        |                | 50/25          | 19.50                        | 17.94                  | 17.87        | 17.99        |
|                | 36/39          | 19.50                        | 17.60                  | 17.56      | 17.71        |                | 50/50          | 19.50                        | 17.78                  | 17.67        | 17.85        |
|                | 75/0           | 19.50                        | 17.68                  | 17.71      | 17.64        |                | 100/0          | 19.50                        | 17.63                  | 17.83        | 17.60        |

Note: The tested channel results are marks in bold.

## 22. Conducted power measurement results of LTE B66

Ant 1\_Receiver on

| LTE B66/BW=1.4M |                | Average Conducted Power(dBm) |                        |             |               | LTE B66/BW=3M |                | Average Conducted Power(dBm) |                        |             |               |
|-----------------|----------------|------------------------------|------------------------|-------------|---------------|---------------|----------------|------------------------------|------------------------|-------------|---------------|
| Modulation      | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |             |               | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |             |               |
|                 |                |                              | 131979/1710.7          | 132322/1745 | 132665/1779.3 |               |                |                              | 131987/1711.5          | 132322/1745 | 132657/1778.5 |
| QPSK            | 1/0            | 22.00                        | 21.31                  | 21.22       | 21.00         | QPSK          | 1/0            | 22.00                        | 21.22                  | 21.28       | 20.88         |
|                 | 1/2            | 22.00                        | 21.31                  | 21.31       | 21.00         |               | 1/7            | 22.00                        | 21.24                  | 20.98       | 20.85         |
|                 | 1/5            | 22.00                        | 21.30                  | 21.22       | 20.97         |               | 1/14           | 22.00                        | 21.31                  | 21.09       | 20.82         |
|                 | 3/0            | 22.00                        | 21.19                  | 21.02       | 20.89         |               | 8/0            | 22.00                        | 20.98                  | 20.83       | 20.68         |
|                 | 3/1            | 22.00                        | 21.22                  | 21.05       | 20.88         |               | 8/3            | 22.00                        | 21.03                  | 20.80       | 20.68         |
|                 | 3/3            | 22.00                        | 21.18                  | 21.03       | 20.84         |               | 8/7            | 22.00                        | 20.99                  | 20.84       | 20.71         |
|                 | 6/0            | 22.00                        | 21.19                  | 21.06       | 20.83         |               | 15/0           | 22.00                        | 21.00                  | 20.79       | 20.68         |
| 16QAM           | 1/0            | 22.00                        | 21.21                  | 21.05       | 20.86         | 16QAM         | 1/0            | 22.00                        | 21.00                  | 20.88       | 20.69         |
|                 | 1/2            | 22.00                        | 21.23                  | 21.08       | 20.85         |               | 1/7            | 22.00                        | 20.91                  | 20.99       | 20.66         |
|                 | 1/5            | 22.00                        | 21.19                  | 21.04       | 20.84         |               | 1/14           | 22.00                        | 20.94                  | 20.82       | 20.55         |
|                 | 3/0            | 22.00                        | 21.16                  | 21.03       | 20.92         |               | 8/0            | 21.00                        | 20.98                  | 20.80       | 20.70         |
|                 | 3/1            | 22.00                        | 21.20                  | 21.07       | 20.93         |               | 8/3            | 21.00                        | 20.98                  | 20.78       | 20.67         |
|                 | 3/3            | 22.00                        | 21.16                  | 21.06       | 20.89         |               | 8/7            | 21.00                        | 20.98                  | 20.81       | 20.69         |
|                 | 6/0            | 21.00                        | 20.91                  | 20.98       | 20.88         |               | 15/0           | 21.00                        | 20.98                  | 20.77       | 20.64         |
| 64QAM           | 1/0            | 21.00                        | 20.42                  | 20.81       | 20.56         | 64QAM         | 1/0            | 21.00                        | 20.56                  | 20.97       | 20.68         |
|                 | 1/2            | 21.00                        | 20.69                  | 20.63       | 20.67         |               | 1/7            | 21.00                        | 20.88                  | 20.82       | 20.86         |
|                 | 1/5            | 21.00                        | 20.93                  | 20.88       | 20.81         |               | 1/14           | 21.00                        | 20.60                  | 20.55       | 20.48         |
|                 | 3/0            | 21.00                        | 20.67                  | 20.52       | 20.81         |               | 8/0            | 20.00                        | 19.71                  | 19.56       | 19.85         |
|                 | 3/1            | 21.00                        | 20.93                  | 20.76       | 20.86         |               | 8/3            | 20.00                        | 19.91                  | 19.74       | 19.84         |
|                 | 3/3            | 21.00                        | 20.76                  | 20.75       | 20.88         |               | 8/7            | 20.00                        | 19.39                  | 19.38       | 19.51         |
|                 | 6/0            | 20.00                        | 19.69                  | 19.77       | 19.64         |               | 15/0           | 20.00                        | 19.76                  | 19.86       | 19.71         |
| 256QAM          | 1/0            | 20.00                        | 18.26                  | 18.30       | 18.43         | 256QAM        | 1/0            | 20.00                        | 18.17                  | 18.21       | 18.14         |
|                 | 1/2            | 20.00                        | 18.25                  | 18.29       | 18.30         |               | 1/7            | 20.00                        | 18.29                  | 18.02       | 18.34         |
|                 | 1/5            | 20.00                        | 18.36                  | 18.27       | 18.25         |               | 1/14           | 20.00                        | 18.01                  | 18.06       | 18.15         |
|                 | 3/0            | 20.00                        | 18.02                  | 18.27       | 18.21         |               | 8/0            | 19.00                        | 18.02                  | 18.09       | 17.95         |
|                 | 3/1            | 20.00                        | 18.19                  | 18.08       | 18.13         |               | 8/3            | 19.00                        | 17.96                  | 17.68       | 17.89         |
|                 | 3/3            | 20.00                        | 18.24                  | 18.21       | 18.32         |               | 8/7            | 19.00                        | 18.04                  | 17.88       | 18.14         |
|                 | 6/0            | 19.00                        | 17.82                  | 17.96       | 17.77         |               | 15/0           | 19.00                        | 17.90                  | 17.79       | 17.83         |

| LTE B66/BW=5M |                | Average Conducted Power(dBm) |                        |             |               | LTE B66/BW=10M |                | Average Conducted Power(dBm) |                        |             |             |
|---------------|----------------|------------------------------|------------------------|-------------|---------------|----------------|----------------|------------------------------|------------------------|-------------|-------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |             |               | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |             |             |
|               |                |                              | 131997/1712.5          | 132322/1745 | 132647/1777.5 |                |                |                              | 132022/1715            | 132322/1745 | 132622/1775 |
| QPSK          | 1/0            | 22.00                        | 21.47                  | 21.35       | 21.14         | QPSK           | 1/0            | 22.00                        | 21.45                  | 21.25       | 21.01       |
|               | 1/12           | 22.00                        | 21.44                  | 21.45       | 21.27         |                | 1/24           | 22.00                        | 21.41                  | 21.29       | 21.04       |
|               | 1/24           | 22.00                        | 21.43                  | 21.34       | 21.16         |                | 1/49           | 22.00                        | 21.39                  | 21.26       | 20.97       |
|               | 12/0           | 22.00                        | 21.19                  | 21.06       | 20.94         |                | 25/0           | 22.00                        | 21.21                  | 20.99       | 20.93       |
|               | 12/6           | 22.00                        | 21.23                  | 21.08       | 20.92         |                | 25/12          | 22.00                        | 21.24                  | 21.05       | 20.96       |
|               | 12/13          | 22.00                        | 21.19                  | 21.04       | 20.93         |                | 25/25          | 22.00                        | 21.18                  | 21.05       | 20.90       |
|               | 25/0           | 22.00                        | 21.18                  | 21.03       | 20.93         |                | 50/0           | 22.00                        | 21.18                  | 20.97       | 20.92       |
| 16QAM         | 1/0            | 22.00                        | 21.20                  | 21.00       | 20.87         | 16QAM          | 1/0            | 22.00                        | 21.21                  | 21.00       | 20.94       |
|               | 1/12           | 22.00                        | 21.28                  | 21.06       | 20.91         |                | 1/24           | 22.00                        | 21.23                  | 21.09       | 20.96       |
|               | 1/24           | 22.00                        | 21.21                  | 21.00       | 20.85         |                | 1/49           | 22.00                        | 21.17                  | 21.04       | 20.90       |
|               | 12/0           | 21.00                        | 20.97                  | 20.89       | 20.84         |                | 25/0           | 21.00                        | 20.97                  | 20.91       | 20.88       |
|               | 12/6           | 21.00                        | 20.89                  | 20.92       | 20.88         |                | 25/12          | 21.00                        | 20.93                  | 20.98       | 20.89       |
|               | 12/13          | 21.00                        | 20.98                  | 20.90       | 20.84         |                | 25/25          | 21.00                        | 20.87                  | 20.97       | 20.88       |
|               | 25/0           | 21.00                        | 21.00                  | 20.97       | 20.83         |                | 50/0           | 21.00                        | 20.87                  | 20.91       | 20.85       |
| 64QAM         | 1/0            | 21.00                        | 20.63                  | 20.97       | 20.89         | 64QAM          | 1/0            | 21.00                        | 20.54                  | 20.72       | 20.80       |
|               | 1/12           | 21.00                        | 20.84                  | 20.78       | 20.82         |                | 1/24           | 21.00                        | 20.94                  | 20.88       | 20.92       |
|               | 1/24           | 21.00                        | 20.86                  | 20.81       | 20.74         |                | 1/49           | 21.00                        | 20.94                  | 20.89       | 20.82       |
|               | 12/0           | 20.00                        | 19.87                  | 19.72       | 19.83         |                | 25/0           | 20.00                        | 19.85                  | 19.70       | 19.99       |
|               | 12/6           | 20.00                        | 19.96                  | 19.79       | 19.89         |                | 25/12          | 20.00                        | 19.86                  | 19.84       | 19.94       |
|               | 12/13          | 20.00                        | 19.64                  | 19.63       | 19.76         |                | 25/25          | 20.00                        | 19.67                  | 19.66       | 19.79       |
|               | 25/0           | 20.00                        | 19.97                  | 19.95       | 19.78         |                | 50/0           | 20.00                        | 19.92                  | 19.80       | 19.75       |
| 256QAM        | 1/0            | 20.00                        | 18.18                  | 18.08       | 18.15         | 256QAM         | 1/0            | 20.00                        | 18.69                  | 18.03       | 18.25       |
|               | 1/12           | 20.00                        | 18.16                  | 18.07       | 18.04         |                | 1/24           | 20.00                        | 18.14                  | 18.01       | 18.13       |
|               | 1/24           | 20.00                        | 18.14                  | 18.03       | 18.00         |                | 1/49           | 20.00                        | 18.06                  | 18.04       | 18.07       |
|               | 12/0           | 19.00                        | 17.93                  | 18.05       | 18.00         |                | 25/0           | 19.00                        | 17.65                  | 17.77       | 17.72       |
|               | 12/6           | 19.00                        | 17.87                  | 17.65       | 17.80         |                | 25/12          | 19.00                        | 17.85                  | 17.63       | 17.78       |
|               | 12/13          | 19.00                        | 17.82                  | 17.72       | 17.87         |                | 25/25          | 19.00                        | 17.92                  | 17.82       | 17.97       |
|               | 25/0           | 19.00                        | 17.86                  | 17.82       | 17.76         |                | 50/0           | 19.00                        | 17.82                  | 17.81       | 17.72       |

| LTE B66/BW=15M |                | Average Conducted Power(dBm) |                        |             |               | LTE B66/BW=20M |                | Average Conducted Power(dBm) |                        |              |              |
|----------------|----------------|------------------------------|------------------------|-------------|---------------|----------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |             |               | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|                |                |                              | 132047/1717.5          | 132322/1745 | 132597/1772.5 |                |                |                              | 132072/1720            | 132322/1745  | 132572/1770  |
| QPSK           | 1/0            | 22.00                        | 21.29                  | 21.09       | 20.95         | QPSK           | 1/0            | 22.00                        | <b>21.54</b>           | 21.28        | 21.09        |
|                | 1/37           | 22.00                        | 21.23                  | 21.08       | 20.89         |                | 1/50           | 22.00                        | 21.45                  | 21.28        | 21.08        |
|                | 1/74           | 22.00                        | 21.28                  | 21.03       | 20.84         |                | 1/99           | 22.00                        | 21.50                  | 21.24        | 21.04        |
|                | 36/0           | 22.00                        | 21.06                  | 20.82       | 20.70         |                | 50/0           | 22.00                        | 21.22                  | 21.08        | 20.87        |
|                | 36/19          | 22.00                        | 21.04                  | 20.84       | 20.79         |                | 50/25          | 22.00                        | <b>21.25</b>           | <b>21.09</b> | <b>20.91</b> |
|                | 36/39          | 22.00                        | 21.02                  | 20.88       | 20.75         |                | 50/50          | 22.00                        | 21.22                  | 21.07        | 20.89        |
|                | 75/0           | 22.00                        | 21.04                  | 20.83       | 20.73         |                | 100/0          | 22.00                        | 21.22                  | 21.01        | 20.91        |
| 16QAM          | 1/0            | 22.00                        | 21.11                  | 20.83       | 20.68         | 16QAM          | 1/0            | 22.00                        | 21.20                  | 21.02        | 20.91        |
|                | 1/37           | 22.00                        | 20.94                  | 20.80       | 20.64         |                | 1/50           | 22.00                        | 21.22                  | 21.06        | 20.94        |
|                | 1/74           | 22.00                        | 20.99                  | 20.82       | 20.60         |                | 1/99           | 22.00                        | 21.21                  | 20.98        | 20.87        |
|                | 36/0           | 21.00                        | 20.90                  | 20.92       | 20.67         |                | 50/0           | 21.00                        | 20.95                  | 20.98        | 20.85        |
|                | 36/19          | 21.00                        | 20.90                  | 20.79       | 20.75         |                | 50/25          | 21.00                        | 20.98                  | 20.98        | 20.91        |
|                | 36/39          | 21.00                        | 20.91                  | 20.86       | 20.70         |                | 50/50          | 21.00                        | 20.95                  | 20.98        | 20.86        |
|                | 75/0           | 21.00                        | 21.00                  | 20.78       | 20.66         |                | 100/0          | 21.00                        | 20.90                  | 20.95        | 20.83        |
| 64QAM          | 1/0            | 21.00                        | 20.39                  | 20.67       | 20.39         | 64QAM          | 1/0            | 21.00                        | 20.27                  | 20.78        | 20.64        |
|                | 1/37           | 21.00                        | 20.34                  | 20.28       | 20.32         |                | 1/50           | 21.00                        | 20.69                  | 20.63        | 20.67        |
|                | 1/74           | 21.00                        | 20.65                  | 20.60       | 20.53         |                | 1/99           | 21.00                        | 20.93                  | 20.88        | 20.81        |
|                | 36/0           | 20.00                        | 19.58                  | 19.43       | 19.72         |                | 50/0           | 20.00                        | 19.51                  | 19.36        | 19.65        |
|                | 36/19          | 20.00                        | 19.69                  | 19.52       | 19.62         |                | 50/25          | 20.00                        | 19.81                  | 19.64        | 19.74        |
|                | 36/39          | 20.00                        | 19.43                  | 19.42       | 19.55         |                | 50/50          | 20.00                        | 19.42                  | 19.41        | 19.54        |
|                | 75/0           | 20.00                        | 19.85                  | 19.73       | 19.54         |                | 100/0          | 20.00                        | 19.76                  | 19.62        | 19.64        |
| 256QAM         | 1/0            | 20.00                        | 18.10                  | 18.14       | 18.23         | 256QAM         | 1/0            | 20.00                        | 18.01                  | 18.07        | 18.05        |
|                | 1/37           | 20.00                        | 18.09                  | 18.12       | 18.08         |                | 1/50           | 20.00                        | 18.01                  | 18.02        | 18.03        |
|                | 1/74           | 20.00                        | 18.06                  | 18.10       | 18.09         |                | 1/99           | 20.00                        | 18.03                  | 18.07        | 18.05        |
|                | 36/0           | 19.00                        | 17.55                  | 17.67       | 17.62         |                | 50/0           | 19.00                        | 17.61                  | 17.73        | 17.68        |
|                | 36/19          | 19.00                        | 17.53                  | 17.31       | 17.46         |                | 50/25          | 19.00                        | 17.56                  | 17.34        | 17.49        |
|                | 36/39          | 19.00                        | 17.74                  | 17.64       | 17.79         |                | 50/50          | 19.00                        | 17.66                  | 17.56        | 17.71        |
|                | 75/0           | 19.00                        | 17.69                  | 17.55       | 17.48         |                | 100/0          | 19.00                        | 17.61                  | 17.55        | 17.48        |

## Ant 1 Sensor off

| LTE B66/BW=1.4M |                | Average Conducted Power(dBm) |                        |             |               | LTE B66/BW=3M |                | Average Conducted Power(dBm) |                        |             |               |
|-----------------|----------------|------------------------------|------------------------|-------------|---------------|---------------|----------------|------------------------------|------------------------|-------------|---------------|
| Modulation      | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |             |               | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |             |               |
|                 |                |                              | 131979/1710.7          | 132322/1745 | 132665/1779.3 |               |                |                              | 131987/1711.5          | 132322/1745 | 132657/1778.5 |
| QPSK            | 1/0            | 24.00                        | 22.89                  | 22.61       | 22.29         | QPSK          | 1/0            | 24.00                        | 22.75                  | 22.63       | 22.26         |
|                 | 1/2            | 24.00                        | 22.95                  | 22.63       | 22.40         |               | 1/7            | 24.00                        | 22.77                  | 22.40       | 22.37         |
|                 | 1/5            | 24.00                        | 22.89                  | 22.51       | 22.46         |               | 1/14           | 24.00                        | 22.56                  | 22.40       | 22.04         |
|                 | 3/0            | 24.00                        | 22.92                  | 22.71       | 22.59         |               | 8/0            | 23.00                        | 21.71                  | 21.57       | 21.42         |
|                 | 3/1            | 24.00                        | 22.90                  | 22.60       | 22.49         |               | 8/3            | 23.00                        | 21.77                  | 21.56       | 21.36         |
|                 | 3/3            | 24.00                        | 22.82                  | 22.70       | 22.41         |               | 8/7            | 23.00                        | 21.60                  | 21.49       | 21.35         |
|                 | 6/0            | 23.00                        | 21.89                  | 21.60       | 21.51         |               | 15/0           | 23.00                        | 21.66                  | 21.62       | 21.34         |
| 16QAM           | 1/0            | 23.00                        | 22.12                  | 21.94       | 21.68         | 16QAM         | 1/0            | 23.00                        | 22.21                  | 21.80       | 21.73         |
|                 | 1/2            | 23.00                        | 22.18                  | 21.81       | 21.80         |               | 1/7            | 23.00                        | 22.16                  | 21.88       | 21.56         |
|                 | 1/5            | 23.00                        | 22.24                  | 21.90       | 21.66         |               | 1/14           | 23.00                        | 22.08                  | 21.78       | 21.43         |
|                 | 3/0            | 23.00                        | 22.09                  | 21.76       | 21.59         |               | 8/0            | 22.00                        | 20.96                  | 20.62       | 20.42         |
|                 | 3/1            | 23.00                        | 22.15                  | 21.81       | 21.52         |               | 8/3            | 22.00                        | 21.00                  | 20.74       | 20.59         |
|                 | 3/3            | 23.00                        | 22.12                  | 21.79       | 21.60         |               | 8/7            | 22.00                        | 20.97                  | 20.78       | 20.51         |
|                 | 6/0            | 22.00                        | 21.09                  | 20.79       | 20.35         |               | 15/0           | 22.00                        | 20.84                  | 20.72       | 20.42         |
| 64QAM           | 1/0            | 22.00                        | 21.82                  | 21.44       | 21.44         | 64QAM         | 1/0            | 22.00                        | 21.75                  | 21.54       | 21.37         |
|                 | 1/2            | 22.00                        | 21.91                  | 21.48       | 21.44         |               | 1/7            | 22.00                        | 21.84                  | 21.76       | 21.32         |
|                 | 1/5            | 22.00                        | 21.85                  | 21.35       | 21.32         |               | 1/14           | 22.00                        | 21.68                  | 21.65       | 21.42         |
|                 | 3/0            | 22.00                        | 21.67                  | 21.74       | 21.15         |               | 8/0            | 21.00                        | 20.84                  | 20.42       | 20.24         |
|                 | 3/1            | 22.00                        | 21.60                  | 21.41       | 21.28         |               | 8/3            | 21.00                        | 20.75                  | 20.40       | 20.47         |
|                 | 3/3            | 22.00                        | 21.83                  | 21.41       | 21.38         |               | 8/7            | 21.00                        | 20.65                  | 20.42       | 20.24         |
|                 | 6/0            | 21.00                        | 20.60                  | 20.35       | 20.01         |               | 15/0           | 21.00                        | 20.67                  | 20.53       | 20.28         |
| 256QAM          | 1/0            | 21.00                        | 20.53                  | 20.76       | 20.49         | 256QAM        | 1/0            | 21.00                        | 20.62                  | 20.50       | 20.67         |
|                 | 1/2            | 21.00                        | 20.60                  | 20.58       | 20.57         |               | 1/7            | 21.00                        | 20.60                  | 20.56       | 20.67         |
|                 | 1/5            | 21.00                        | 20.73                  | 20.71       | 20.70         |               | 1/14           | 21.00                        | 20.70                  | 20.74       | 20.66         |
|                 | 3/0            | 21.00                        | 20.15                  | 20.21       | 20.34         |               | 8/0            | 20.00                        | 19.44                  | 19.63       | 19.77         |
|                 | 3/1            | 21.00                        | 20.22                  | 20.11       | 20.31         |               | 8/3            | 20.00                        | 19.55                  | 19.60       | 19.57         |
|                 | 3/3            | 21.00                        | 20.08                  | 20.18       | 20.37         |               | 8/7            | 20.00                        | 19.53                  | 19.70       | 19.70         |
|                 | 6/0            | 20.00                        | 19.70                  | 19.81       | 19.71         |               | 15/0           | 20.00                        | 19.62                  | 19.42       | 19.65         |

| LTE B66/BW=5M |                | Average Conducted Power(dBm) |                        |             |               | LTE B66/BW=10M |                | Average Conducted Power(dBm) |                        |             |             |
|---------------|----------------|------------------------------|------------------------|-------------|---------------|----------------|----------------|------------------------------|------------------------|-------------|-------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |             |               | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |             |             |
|               |                |                              | 131997/1712.5          | 132322/1745 | 132647/1777.5 |                |                |                              | 132022/1715            | 132322/1745 | 132622/1775 |
| QPSK          | 1/0            | 24.00                        | 22.84                  | 22.65       | 22.39         | QPSK           | 1/0            | 24.00                        | 22.81                  | 22.74       | 22.48       |
|               | 1/12           | 24.00                        | 22.97                  | 22.58       | 22.56         |                | 1/24           | 24.00                        | 22.99                  | 22.59       | 22.59       |
|               | 1/24           | 24.00                        | 22.79                  | 22.61       | 22.29         |                | 1/49           | 24.00                        | 22.71                  | 22.60       | 22.30       |
|               | 12/0           | 23.00                        | 21.82                  | 21.61       | 21.48         |                | 25/0           | 23.00                        | 21.86                  | 21.63       | 21.51       |
|               | 12/6           | 23.00                        | 21.98                  | 21.71       | 21.43         |                | 25/12          | 23.00                        | 21.94                  | 21.68       | 21.48       |
|               | 12/13          | 23.00                        | 21.87                  | 21.74       | 21.47         |                | 25/25          | 23.00                        | 21.81                  | 21.69       | 21.48       |
|               | 25/0           | 23.00                        | 21.92                  | 21.71       | 21.40         |                | 50/0           | 23.00                        | 21.85                  | 21.73       | 21.45       |
| 16QAM         | 1/0            | 23.00                        | 22.34                  | 21.88       | 21.91         | 16QAM          | 1/0            | 23.00                        | 22.22                  | 21.89       | 21.77       |
|               | 1/12           | 23.00                        | 22.38                  | 22.10       | 21.97         |                | 1/24           | 23.00                        | 22.29                  | 22.20       | 21.80       |
|               | 1/24           | 23.00                        | 22.37                  | 22.05       | 21.83         |                | 1/49           | 23.00                        | 22.17                  | 22.00       | 21.62       |
|               | 12/0           | 22.00                        | 20.90                  | 20.60       | 20.42         |                | 25/0           | 22.00                        | 20.93                  | 20.63       | 20.46       |
|               | 12/6           | 22.00                        | 20.95                  | 20.74       | 20.59         |                | 25/12          | 22.00                        | 20.97                  | 20.71       | 20.55       |
|               | 12/13          | 22.00                        | 20.95                  | 20.75       | 20.53         |                | 25/25          | 22.00                        | 20.92                  | 20.75       | 20.52       |
|               | 25/0           | 22.00                        | 20.88                  | 20.72       | 20.41         |                | 50/0           | 22.00                        | 20.77                  | 20.73       | 20.39       |
| 64QAM         | 1/0            | 22.00                        | 21.82                  | 21.58       | 21.29         | 64QAM          | 1/0            | 22.00                        | 21.72                  | 21.60       | 21.38       |
|               | 1/12           | 22.00                        | 21.98                  | 21.68       | 21.24         |                | 1/24           | 22.00                        | 21.86                  | 21.70       | 21.37       |
|               | 1/24           | 22.00                        | 21.84                  | 21.63       | 21.32         |                | 1/49           | 22.00                        | 21.70                  | 21.57       | 21.41       |
|               | 12/0           | 21.00                        | 20.83                  | 20.50       | 20.31         |                | 25/0           | 21.00                        | 20.80                  | 20.48       | 20.33       |
|               | 12/6           | 21.00                        | 20.74                  | 20.49       | 20.45         |                | 25/12          | 21.00                        | 20.66                  | 20.45       | 20.43       |
|               | 12/13          | 21.00                        | 20.63                  | 20.51       | 20.33         |                | 25/25          | 21.00                        | 20.52                  | 20.50       | 20.26       |
|               | 25/0           | 21.00                        | 20.69                  | 20.53       | 20.31         |                | 50/0           | 21.00                        | 20.59                  | 20.53       | 20.33       |
| 256QAM        | 1/0            | 21.00                        | 20.57                  | 20.41       | 20.76         | 256QAM         | 1/0            | 21.00                        | 20.59                  | 20.42       | 20.76       |
|               | 1/12           | 21.00                        | 20.62                  | 20.56       | 20.76         |                | 1/24           | 21.00                        | 20.50                  | 20.57       | 20.60       |
|               | 1/24           | 21.00                        | 20.67                  | 20.68       | 20.70         |                | 1/49           | 21.00                        | 20.63                  | 20.67       | 20.67       |
|               | 12/0           | 20.00                        | 19.45                  | 19.67       | 19.74         |                | 25/0           | 20.00                        | 19.45                  | 19.72       | 19.70       |
|               | 12/6           | 20.00                        | 19.66                  | 19.66       | 19.64         |                | 25/12          | 20.00                        | 19.60                  | 19.52       | 19.63       |
|               | 12/13          | 20.00                        | 19.58                  | 19.66       | 19.59         |                | 25/25          | 20.00                        | 19.63                  | 19.61       | 19.61       |
|               | 25/0           | 20.00                        | 19.57                  | 19.58       | 19.62         |                | 50/0           | 20.00                        | 19.54                  | 19.51       | 19.58       |

| LTE B66/BW=15M |                | Average Conducted Power(dBm) |                        |             |               | LTE B66/BW=20M |                | Average Conducted Power(dBm) |                        |              |              |
|----------------|----------------|------------------------------|------------------------|-------------|---------------|----------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |             |               | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|                |                |                              | 132047/1717.5          | 132322/1745 | 132597/1772.5 |                |                |                              | 132072/1720            | 132322/1745  | 132572/1770  |
| QPSK           | 1/0            | 24.00                        | 22.74                  | 22.57       | 22.32         | QPSK           | 1/0            | 24.00                        | <b>23.03</b>           | <b>22.66</b> | <b>22.40</b> |
|                | 1/37           | 24.00                        | 22.76                  | 22.39       | 22.34         |                | 1/50           | 24.00                        | 22.79                  | 22.64        | 22.60        |
|                | 1/74           | 24.00                        | 22.57                  | 22.47       | 22.08         |                | 1/99           | 24.00                        | 22.77                  | 22.66        | 22.36        |
|                | 36/0           | 23.00                        | 21.73                  | 21.56       | 21.43         |                | 50/0           | 23.00                        | <b>21.94</b>           | 21.61        | 21.45        |
|                | 36/19          | 23.00                        | 21.70                  | 21.60       | 21.30         |                | 50/25          | 23.00                        | 21.83                  | 21.67        | 21.43        |
|                | 36/39          | 23.00                        | 21.63                  | 21.61       | 21.36         |                | 50/50          | 23.00                        | 21.84                  | 21.71        | 21.48        |
|                | 75/0           | 23.00                        | 21.71                  | 21.60       | 21.36         |                | 100/0          | 23.00                        | 21.89                  | 21.74        | 21.40        |
| 16QAM          | 1/0            | 23.00                        | 22.13                  | 21.74       | 21.68         | 16QAM          | 1/0            | 23.00                        | 22.31                  | 21.90        | 21.75        |
|                | 1/37           | 23.00                        | 22.09                  | 21.80       | 21.55         |                | 1/50           | 23.00                        | 22.37                  | 22.11        | 21.74        |
|                | 1/74           | 23.00                        | 22.15                  | 21.75       | 21.30         |                | 1/99           | 23.00                        | 22.29                  | 21.99        | 21.62        |
|                | 36/0           | 22.00                        | 20.80                  | 20.51       | 20.35         |                | 50/0           | 22.00                        | 20.78                  | 20.51        | 20.38        |
|                | 36/19          | 22.00                        | 20.70                  | 20.59       | 20.42         |                | 50/25          | 22.00                        | 20.76                  | 20.59        | 20.44        |
|                | 36/39          | 22.00                        | 20.67                  | 20.58       | 20.39         |                | 50/50          | 22.00                        | 20.65                  | 20.51        | 20.40        |
|                | 75/0           | 22.00                        | 20.63                  | 20.56       | 20.26         |                | 100/0          | 22.00                        | 20.62                  | 20.56        | 20.28        |
| 64QAM          | 1/0            | 22.00                        | 21.66                  | 21.48       | 21.22         | 64QAM          | 1/0            | 22.00                        | 21.57                  | 21.38        | 21.28        |
|                | 1/37           | 22.00                        | 21.58                  | 21.42       | 21.07         |                | 1/50           | 22.00                        | 21.49                  | 21.33        | 21.16        |
|                | 1/74           | 22.00                        | 21.49                  | 21.41       | 21.14         |                | 1/99           | 22.00                        | 21.43                  | 21.30        | 21.18        |
|                | 36/0           | 21.00                        | 20.61                  | 20.33       | 20.10         |                | 50/0           | 21.00                        | 20.62                  | 20.35        | 20.11        |
|                | 36/19          | 21.00                        | 20.53                  | 20.24       | 20.18         |                | 50/25          | 21.00                        | 20.46                  | 20.30        | 20.21        |
|                | 36/39          | 21.00                        | 20.34                  | 20.27       | 20.10         |                | 50/50          | 21.00                        | 20.34                  | 20.30        | 20.14        |
|                | 75/0           | 21.00                        | 20.48                  | 20.38       | 20.07         |                | 100/0          | 21.00                        | 20.37                  | 20.37        | 20.10        |
| 256QAM         | 1/0            | 21.00                        | 20.53                  | 20.51       | 20.62         | 256QAM         | 1/0            | 21.00                        | 20.49                  | 20.36        | 20.65        |
|                | 1/37           | 21.00                        | 20.53                  | 20.50       | 20.53         |                | 1/50           | 21.00                        | 20.53                  | 20.60        | 20.56        |
|                | 1/74           | 21.00                        | 20.65                  | 20.69       | 20.58         |                | 1/99           | 21.00                        | 20.52                  | 20.67        | 20.67        |
|                | 36/0           | 20.00                        | 19.47                  | 19.54       | 19.74         |                | 50/0           | 20.00                        | 19.49                  | 19.59        | 19.62        |
|                | 36/19          | 20.00                        | 19.61                  | 19.59       | 19.50         |                | 50/25          | 20.00                        | 19.62                  | 19.54        | 19.58        |
|                | 36/39          | 20.00                        | 19.53                  | 19.74       | 19.51         |                | 50/50          | 20.00                        | 19.50                  | 19.65        | 19.64        |
|                | 75/0           | 20.00                        | 19.53                  | 19.46       | 19.57         |                | 100/0          | 20.00                        | 19.45                  | 19.44        | 19.49        |

## Ant 1 Hotspot on

| LTE B66/BW=1.4M |                | Average Conducted Power(dBm) |                        |             |               | LTE B66/BW=3M |                | Average Conducted Power(dBm) |                        |             |               |
|-----------------|----------------|------------------------------|------------------------|-------------|---------------|---------------|----------------|------------------------------|------------------------|-------------|---------------|
| Modulation      | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |             |               | Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |             |               |
|                 |                |                              | 131979/1710.7          | 132322/1745 | 132665/1779.3 |               |                |                              | 131987/1711.5          | 132322/1745 | 132657/1778.5 |
| QPSK            | 1/0            | 22.50                        | 21.91                  | 21.68       | 21.32         | QPSK          | 1/0            | 22.50                        | 21.79                  | 21.69       | 21.39         |
|                 | 1/2            | 22.50                        | 21.91                  | 21.69       | 21.38         |               | 1/7            | 22.50                        | 21.74                  | 20.95       | 21.35         |
|                 | 1/5            | 22.50                        | 21.83                  | 21.64       | 21.37         |               | 1/14           | 22.50                        | 21.70                  | 21.59       | 21.33         |
|                 | 3/0            | 22.50                        | 21.57                  | 21.37       | 21.20         |               | 8/0            | 22.50                        | 21.45                  | 21.26       | 21.12         |
|                 | 3/1            | 22.50                        | 21.60                  | 21.40       | 21.23         |               | 8/3            | 22.50                        | 21.46                  | 21.25       | 21.13         |
|                 | 3/3            | 22.50                        | 21.58                  | 21.37       | 21.19         |               | 8/7            | 22.50                        | 21.43                  | 21.28       | 21.18         |
|                 | 6/0            | 22.50                        | 21.60                  | 21.39       | 21.18         |               | 15/0           | 22.50                        | 21.43                  | 21.24       | 21.12         |
| 16QAM           | 1/0            | 22.50                        | 21.58                  | 21.39       | 21.18         | 16QAM         | 1/0            | 22.50                        | 21.55                  | 21.39       | 21.22         |
|                 | 1/2            | 22.50                        | 21.61                  | 21.41       | 21.17         |               | 1/7            | 22.50                        | 21.59                  | 21.45       | 21.30         |
|                 | 1/5            | 22.50                        | 21.60                  | 21.41       | 21.18         |               | 1/14           | 22.50                        | 21.54                  | 21.38       | 21.21         |
|                 | 3/0            | 22.50                        | 21.71                  | 21.53       | 21.32         |               | 8/0            | 21.50                        | 21.16                  | 20.95       | 20.79         |
|                 | 3/1            | 22.50                        | 21.66                  | 21.52       | 21.36         |               | 8/3            | 21.50                        | 21.20                  | 21.00       | 20.79         |
|                 | 3/3            | 22.50                        | 21.73                  | 21.52       | 21.31         |               | 8/7            | 21.50                        | 21.12                  | 21.00       | 20.76         |
|                 | 6/0            | 21.50                        | 21.11                  | 20.94       | 20.78         |               | 15/0           | 21.50                        | 21.10                  | 20.97       | 20.79         |
| 64QAM           | 1/0            | 21.50                        | 20.94                  | 20.87       | 20.94         | 64QAM         | 1/0            | 21.50                        | 20.87                  | 20.97       | 20.84         |
|                 | 1/2            | 21.50                        | 21.06                  | 21.16       | 21.10         |               | 1/7            | 21.50                        | 20.73                  | 20.72       | 20.76         |
|                 | 1/5            | 21.50                        | 21.15                  | 21.03       | 21.06         |               | 1/14           | 21.50                        | 20.89                  | 20.66       | 20.62         |
|                 | 3/0            | 21.50                        | 21.03                  | 21.11       | 21.15         |               | 8/0            | 20.50                        | 19.97                  | 19.77       | 20.02         |
|                 | 3/1            | 21.50                        | 20.77                  | 20.75       | 20.77         |               | 8/3            | 20.50                        | 19.99                  | 19.90       | 19.95         |
|                 | 3/3            | 21.50                        | 20.79                  | 20.63       | 20.93         |               | 8/7            | 20.50                        | 19.80                  | 19.55       | 19.75         |
|                 | 6/0            | 20.50                        | 19.90                  | 20.14       | 19.91         |               | 15/0           | 20.50                        | 19.81                  | 19.88       | 19.65         |
| 256QAM          | 1/0            | 20.50                        | 19.16                  | 19.08       | 18.96         | 256QAM        | 1/0            | 20.50                        | 18.77                  | 18.83       | 18.55         |
|                 | 1/2            | 20.50                        | 18.53                  | 18.54       | 18.62         |               | 1/7            | 20.50                        | 18.82                  | 18.79       | 18.64         |
|                 | 1/5            | 20.50                        | 18.94                  | 18.85       | 18.86         |               | 1/14           | 20.50                        | 18.65                  | 18.78       | 18.74         |
|                 | 3/0            | 20.50                        | 18.84                  | 18.80       | 18.82         |               | 8/0            | 19.50                        | 18.05                  | 17.78       | 17.90         |
|                 | 3/1            | 20.50                        | 18.84                  | 18.72       | 18.69         |               | 8/3            | 19.50                        | 17.98                  | 18.16       | 17.98         |
|                 | 3/3            | 20.50                        | 18.85                  | 18.70       | 18.69         |               | 8/7            | 19.50                        | 17.97                  | 17.89       | 17.93         |
|                 | 6/0            | 19.50                        | 17.83                  | 17.81       | 17.83         |               | 15/0           | 19.50                        | 17.95                  | 17.97       | 18.11         |

| LTE B66/BW=5M |                | Average Conducted Power(dBm) |                        |             |               | LTE B66/BW=10M |                | Average Conducted Power(dBm) |                        |             |             |
|---------------|----------------|------------------------------|------------------------|-------------|---------------|----------------|----------------|------------------------------|------------------------|-------------|-------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |             |               | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |             |             |
|               |                |                              | 131997/1712.5          | 132322/1745 | 132647/1777.5 |                |                |                              | 132022/1715            | 132322/1745 | 132622/1775 |
| QPSK          | 1/0            | 22.50                        | 21.85                  | 21.80       | 21.61         | QPSK           | 1/0            | 22.50                        | 21.89                  | 21.69       | 21.49       |
|               | 1/12           | 22.50                        | 21.97                  | 21.80       | 21.62         |                | 1/24           | 22.50                        | 21.88                  | 21.74       | 21.49       |
|               | 1/24           | 22.50                        | 21.84                  | 21.84       | 21.61         |                | 1/49           | 22.50                        | 21.83                  | 21.72       | 21.42       |
|               | 12/0           | 22.50                        | 21.59                  | 21.43       | 21.31         |                | 25/0           | 22.50                        | 21.61                  | 21.32       | 21.29       |
|               | 12/6           | 22.50                        | 21.62                  | 21.44       | 21.33         |                | 25/12          | 22.50                        | 21.59                  | 21.49       | 21.33       |
|               | 12/13          | 22.50                        | 21.59                  | 21.41       | 21.28         |                | 25/25          | 22.50                        | 21.61                  | 21.46       | 21.29       |
|               | 25/0           | 22.50                        | 21.58                  | 21.39       | 21.30         |                | 50/0           | 22.50                        | 21.60                  | 21.35       | 21.31       |
| 16QAM         | 1/0            | 22.50                        | 21.58                  | 21.38       | 21.21         | 16QAM          | 1/0            | 22.50                        | 21.58                  | 21.42       | 21.32       |
|               | 1/12           | 22.50                        | 21.64                  | 21.45       | 21.28         |                | 1/24           | 22.50                        | 21.61                  | 21.48       | 21.31       |
|               | 1/24           | 22.50                        | 21.57                  | 21.38       | 21.22         |                | 1/49           | 22.50                        | 21.57                  | 21.39       | 21.25       |
|               | 12/0           | 21.50                        | 21.13                  | 20.98       | 20.77         |                | 25/0           | 21.50                        | 21.09                  | 20.90       | 20.85       |
|               | 12/6           | 21.50                        | 21.11                  | 21.02       | 20.81         |                | 25/12          | 21.50                        | 21.11                  | 21.00       | 20.87       |
|               | 12/13          | 21.50                        | 21.16                  | 20.98       | 20.82         |                | 25/25          | 21.50                        | 21.09                  | 20.96       | 20.89       |
|               | 25/0           | 21.50                        | 21.05                  | 20.93       | 20.78         |                | 50/0           | 21.50                        | 21.06                  | 20.85       | 20.83       |
| 64QAM         | 1/0            | 21.50                        | 21.12                  | 20.88       | 20.77         | 64QAM          | 1/0            | 21.50                        | 21.18                  | 21.05       | 21.05       |
|               | 1/12           | 21.50                        | 20.77                  | 20.80       | 20.89         |                | 1/24           | 21.50                        | 21.11                  | 21.25       | 21.14       |
|               | 1/24           | 21.50                        | 20.79                  | 20.74       | 20.77         |                | 1/49           | 21.50                        | 20.97                  | 20.97       | 20.78       |
|               | 12/0           | 20.50                        | 19.62                  | 19.76       | 19.53         |                | 25/0           | 20.50                        | 19.76                  | 19.95       | 20.02       |
|               | 12/6           | 20.50                        | 19.57                  | 19.60       | 19.44         |                | 25/12          | 20.50                        | 19.98                  | 20.12       | 20.06       |
|               | 12/13          | 20.50                        | 19.53                  | 19.70       | 19.64         |                | 25/25          | 20.50                        | 20.05                  | 20.14       | 20.04       |
|               | 25/0           | 20.50                        | 19.92                  | 19.66       | 19.46         |                | 50/0           | 20.50                        | 19.98                  | 20.00       | 20.01       |
| 256QAM        | 1/0            | 20.50                        | 18.98                  | 18.83       | 18.63         | 256QAM         | 1/0            | 20.50                        | 18.72                  | 18.85       | 18.67       |
|               | 1/12           | 20.50                        | 18.78                  | 18.74       | 18.69         |                | 1/24           | 20.50                        | 18.73                  | 18.52       | 18.77       |
|               | 1/24           | 20.50                        | 18.66                  | 18.54       | 18.58         |                | 1/49           | 20.50                        | 18.51                  | 18.64       | 18.56       |
|               | 12/0           | 19.50                        | 17.99                  | 17.85       | 17.93         |                | 25/0           | 19.50                        | 18.07                  | 17.85       | 17.87       |
|               | 12/6           | 19.50                        | 18.08                  | 18.06       | 18.14         |                | 25/12          | 19.50                        | 18.01                  | 18.04       | 18.09       |
|               | 12/13          | 19.50                        | 17.80                  | 17.89       | 17.83         |                | 25/25          | 19.50                        | 18.07                  | 18.07       | 18.04       |
|               | 25/0           | 19.50                        | 18.05                  | 18.01       | 17.93         |                | 50/0           | 19.50                        | 18.14                  | 17.86       | 17.92       |

| LTE B66/BW=15M |                | Average Conducted Power(dBm) |                        |             |               | LTE B66/BW=20M |                | Average Conducted Power(dBm) |                        |              |              |
|----------------|----------------|------------------------------|------------------------|-------------|---------------|----------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |             |               | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|                |                |                              | 132047/1717.5          | 132322/1745 | 132597/1772.5 |                |                |                              | 132072/1720            | 132322/1745  | 132572/1770  |
| QPSK           | 1/0            | 22.50                        | 21.84                  | 21.56       | 21.44         | QPSK           | 1/0            | 22.50                        | <b>21.99</b>           | 21.76        | 21.56        |
|                | 1/37           | 22.50                        | 21.63                  | 21.48       | 21.43         |                | 1/50           | 22.50                        | 21.94                  | 21.74        | 21.45        |
|                | 1/74           | 22.50                        | 21.73                  | 21.56       | 21.29         |                | 1/99           | 22.50                        | 21.93                  | 21.66        | 21.44        |
|                | 36/0           | 22.50                        | 21.47                  | 21.23       | 21.11         |                | 50/0           | 22.50                        | 21.60                  | 21.43        | 21.26        |
|                | 36/19          | 22.50                        | 21.47                  | 21.24       | 21.21         |                | 50/25          | 22.50                        | <b>21.63</b>           | <b>21.46</b> | <b>21.30</b> |
|                | 36/39          | 22.50                        | 21.45                  | 21.32       | 21.15         |                | 50/50          | 22.50                        | 21.61                  | 21.42        | 21.28        |
|                | 75/0           | 22.50                        | 21.47                  | 21.25       | 21.15         |                | 100/0          | 22.50                        | 21.61                  | 21.42        | 21.25        |
| 16QAM          | 1/0            | 22.50                        | 21.50                  | 21.27       | 21.08         | 16QAM          | 1/0            | 22.50                        | 21.38                  | 21.34        | 21.12        |
|                | 1/37           | 22.50                        | 21.35                  | 21.24       | 21.07         |                | 1/50           | 22.50                        | 21.33                  | 21.43        | 21.12        |
|                | 1/74           | 22.50                        | 21.42                  | 21.23       | 20.98         |                | 1/99           | 22.50                        | 21.36                  | 21.27        | 21.03        |
|                | 36/0           | 21.50                        | 20.96                  | 20.74       | 20.65         |                | 50/0           | 21.50                        | 20.92                  | 20.75        | 20.66        |
|                | 36/19          | 21.50                        | 20.94                  | 20.75       | 20.70         |                | 50/25          | 21.50                        | 20.96                  | 20.74        | 20.66        |
|                | 36/39          | 21.50                        | 20.97                  | 20.81       | 20.68         |                | 50/50          | 21.50                        | 20.95                  | 20.78        | 20.69        |
|                | 75/0           | 21.50                        | 20.95                  | 20.73       | 20.61         |                | 100/0          | 21.50                        | 20.96                  | 20.72        | 20.64        |
| 64QAM          | 1/0            | 21.50                        | 20.78                  | 21.06       | 20.71         | 64QAM          | 1/0            | 21.50                        | 21.04                  | 20.93        | 20.80        |
|                | 1/37           | 21.50                        | 21.06                  | 20.96       | 20.89         |                | 1/50           | 21.50                        | 20.77                  | 20.82        | 20.76        |
|                | 1/74           | 21.50                        | 20.74                  | 20.90       | 20.64         |                | 1/99           | 21.50                        | 20.73                  | 20.86        | 20.83        |
|                | 36/0           | 20.50                        | 19.59                  | 19.59       | 19.61         |                | 50/0           | 20.50                        | 19.52                  | 19.63        | 19.69        |
|                | 36/19          | 20.50                        | 19.80                  | 19.59       | 19.76         |                | 50/25          | 20.50                        | 19.61                  | 19.93        | 19.72        |
|                | 36/39          | 20.50                        | 19.56                  | 19.59       | 19.71         |                | 50/50          | 20.50                        | 19.51                  | 19.54        | 19.57        |
|                | 75/0           | 20.50                        | 19.89                  | 19.70       | 19.67         |                | 100/0          | 20.50                        | 19.98                  | 19.81        | 19.54        |
| 256QAM         | 1/0            | 20.50                        | 18.71                  | 18.73       | 18.64         | 256QAM         | 1/0            | 20.50                        | 18.97                  | 19.03        | 18.95        |
|                | 1/37           | 20.50                        | 18.58                  | 18.72       | 18.63         |                | 1/50           | 20.50                        | 18.68                  | 18.72        | 18.63        |
|                | 1/74           | 20.50                        | 18.53                  | 18.75       | 18.68         |                | 1/99           | 20.50                        | 18.59                  | 18.93        | 18.79        |
|                | 36/0           | 19.50                        | 17.64                  | 17.71       | 17.79         |                | 50/0           | 19.50                        | 17.70                  | 17.65        | 17.81        |
|                | 36/19          | 19.50                        | 17.66                  | 17.79       | 17.94         |                | 50/25          | 19.50                        | 17.68                  | 17.66        | 17.71        |
|                | 36/39          | 19.50                        | 17.76                  | 17.64       | 17.77         |                | 50/50          | 19.50                        | 17.70                  | 17.61        | 17.81        |
|                | 75/0           | 19.50                        | 18.01                  | 17.62       | 17.58         |                | 100/0          | 19.50                        | 17.85                  | 17.80        | 17.73        |

Note: The tested channel results are marks in bold.

## 23. Conducted power measurement results of LTE B71

Ant 0\_Receiver on &amp; Sensor off &amp; Hotspot on

| LTE B71/BW=5M |                | Average Conducted Power(dBm) |                        |              |              | LTE B71/BW=10M |                | Average Conducted Power(dBm) |                        |              |            |
|---------------|----------------|------------------------------|------------------------|--------------|--------------|----------------|----------------|------------------------------|------------------------|--------------|------------|
| Modulation    | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |            |
|               |                |                              | 133147/665.5           | 133297/680.5 | 133447/695.5 |                |                |                              | 133172/668             | 133297/680.5 | 133422/693 |
| QPSK          | 1/0            | 24.00                        | 23.12                  | 23.09        | 23.34        | QPSK           | 1/0            | 24.00                        | 23.08                  | 23.06        | 23.28      |
|               | 1/12           | 24.00                        | 23.12                  | 23.12        | 23.27        |                | 1/24           | 24.00                        | 22.93                  | 23.09        | 23.32      |
|               | 1/24           | 24.00                        | 23.02                  | 23.05        | 23.21        |                | 1/49           | 24.00                        | 23.06                  | 23.02        | 23.33      |
|               | 12/0           | 23.00                        | 22.10                  | 22.07        | 22.29        |                | 25/0           | 23.00                        | 22.03                  | 22.14        | 22.27      |
|               | 12/6           | 23.00                        | 22.16                  | 21.98        | 22.27        |                | 25/12          | 23.00                        | 22.08                  | 22.07        | 22.42      |
|               | 12/13          | 23.00                        | 21.98                  | 22.00        | 22.32        |                | 25/25          | 23.00                        | 21.94                  | 22.01        | 22.28      |
|               | 25/0           | 23.00                        | 22.15                  | 22.10        | 22.32        |                | 50/0           | 23.00                        | 22.09                  | 22.21        | 22.27      |
| 16QAM         | 1/0            | 23.00                        | 22.62                  | 22.43        | 22.63        | 16QAM          | 1/0            | 23.00                        | 22.46                  | 22.39        | 22.44      |
|               | 1/12           | 23.00                        | 22.51                  | 22.41        | 22.84        |                | 1/24           | 23.00                        | 22.30                  | 22.33        | 22.67      |
|               | 1/24           | 23.00                        | 22.27                  | 22.24        | 22.71        |                | 1/49           | 23.00                        | 22.43                  | 22.34        | 22.38      |
|               | 12/0           | 22.00                        | 21.19                  | 20.94        | 21.46        |                | 25/0           | 22.00                        | 21.18                  | 21.01        | 21.33      |
|               | 12/6           | 22.00                        | 21.10                  | 20.94        | 21.49        |                | 25/12          | 22.00                        | 21.19                  | 21.10        | 21.43      |
|               | 12/13          | 22.00                        | 21.14                  | 20.98        | 21.55        |                | 25/25          | 22.00                        | 21.09                  | 21.04        | 21.27      |
|               | 25/0           | 22.00                        | 21.25                  | 21.11        | 21.30        |                | 50/0           | 22.00                        | 21.10                  | 21.07        | 21.31      |
| 64QAM         | 1/0            | 22.00                        | 20.48                  | 20.40        | 20.44        | 64QAM          | 1/0            | 22.00                        | 20.35                  | 20.41        | 20.47      |
|               | 1/12           | 22.00                        | 20.38                  | 20.30        | 20.55        |                | 1/24           | 22.00                        | 20.47                  | 20.35        | 20.38      |
|               | 1/24           | 22.00                        | 20.33                  | 20.36        | 20.34        |                | 1/49           | 22.00                        | 20.37                  | 20.34        | 20.25      |
|               | 12/0           | 21.00                        | 19.48                  | 19.35        | 19.33        |                | 25/0           | 21.00                        | 19.43                  | 19.40        | 19.49      |
|               | 12/6           | 21.00                        | 19.31                  | 19.56        | 19.32        |                | 25/12          | 21.00                        | 19.37                  | 19.38        | 19.39      |
|               | 12/13          | 21.00                        | 19.41                  | 19.42        | 19.45        |                | 25/25          | 21.00                        | 19.47                  | 19.36        | 19.37      |
|               | 25/0           | 21.00                        | 19.46                  | 19.39        | 19.50        |                | 50/0           | 21.00                        | 19.29                  | 19.24        | 19.51      |

| LTE B71/BW=15M |                | Average Conducted Power(dBm) |                        |              |              | LTE B71/BW=20M |                | Average Conducted Power(dBm) |                        |              |              |
|----------------|----------------|------------------------------|------------------------|--------------|--------------|----------------|----------------|------------------------------|------------------------|--------------|--------------|
| Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              | Modulation     | RB Size/Offset | Max. Tune-up                 | Channel/Frequency(MHz) |              |              |
|                |                |                              | 133197/670.5           | 133297/680.5 | 133397/690.5 |                |                |                              | 133222/673             | 133322/683   | 133372/688   |
| QPSK           | 1/0            | 24.00                        | 22.84                  | 22.86        | 22.89        | QPSK           | 1/0            | 24.00                        | <b>23.37</b>           | <b>23.09</b> | <b>23.08</b> |
|                | 1/37           | 24.00                        | 22.71                  | 22.89        | 23.06        |                | 1/50           | 24.00                        | 23.22                  | 22.84        | 22.89        |
|                | 1/74           | 24.00                        | 22.85                  | 22.87        | 23.08        |                | 1/99           | 24.00                        | 22.91                  | 22.68        | 22.67        |
|                | 36/0           | 23.00                        | 21.78                  | 21.98        | 22.02        |                | 50/0           | 23.00                        | 22.26                  | 22.06        | 21.95        |
|                | 36/19          | 23.00                        | 21.91                  | 21.81        | 22.15        |                | 50/25          | 23.00                        | <b>22.29</b>           | 21.97        | 21.91        |
|                | 36/39          | 23.00                        | 21.86                  | 21.91        | 22.23        |                | 50/50          | 23.00                        | 22.16                  | 21.93        | 21.88        |
|                | 75/0           | 23.00                        | 21.96                  | 22.06        | 22.12        |                | 100/0          | 23.00                        | 22.00                  | 22.14        | 22.12        |
| 16QAM          | 1/0            | 23.00                        | 22.23                  | 22.19        | 22.09        | 16QAM          | 1/0            | 23.00                        | 22.28                  | 22.22        | 22.13        |
|                | 1/37           | 23.00                        | 22.06                  | 22.09        | 22.42        |                | 1/50           | 23.00                        | 22.31                  | 22.12        | 22.37        |
|                | 1/74           | 23.00                        | 22.16                  | 22.15        | 22.30        |                | 1/99           | 23.00                        | 22.20                  | 22.24        | 22.30        |
|                | 36/0           | 22.00                        | 20.84                  | 20.91        | 21.01        |                | 50/0           | 22.00                        | 20.92                  | 20.90        | 20.96        |
|                | 36/19          | 22.00                        | 20.96                  | 20.88        | 21.12        |                | 50/25          | 22.00                        | 21.08                  | 20.98        | 21.15        |
|                | 36/39          | 22.00                        | 20.93                  | 20.93        | 21.13        |                | 50/50          | 22.00                        | 20.96                  | 20.99        | 21.10        |
|                | 75/0           | 22.00                        | 20.95                  | 20.92        | 21.14        |                | 100/0          | 22.00                        | 20.98                  | 21.00        | 21.15        |
| 64QAM          | 1/0            | 22.00                        | 20.44                  | 20.38        | 20.36        | 64QAM          | 1/0            | 22.00                        | 20.41                  | 20.39        | 20.41        |
|                | 1/37           | 22.00                        | 20.42                  | 20.47        | 20.46        |                | 1/50           | 22.00                        | 20.35                  | 20.38        | 20.46        |
|                | 1/74           | 22.00                        | 20.33                  | 20.36        | 20.43        |                | 1/99           | 22.00                        | 20.39                  | 20.47        | 20.35        |
|                | 36/0           | 21.00                        | 19.33                  | 19.41        | 19.41        |                | 50/0           | 21.00                        | 19.36                  | 19.45        | 19.46        |
|                | 36/19          | 21.00                        | 19.45                  | 19.40        | 19.38        |                | 50/25          | 21.00                        | 19.51                  | 19.39        | 19.41        |
|                | 36/39          | 21.00                        | 19.44                  | 19.47        | 19.45        |                | 50/50          | 21.00                        | 19.33                  | 19.47        | 19.47        |
|                | 75/0           | 21.00                        | 19.27                  | 19.33        | 19.50        |                | 100/0          | 21.00                        | 19.27                  | 19.27        | 19.38        |

Note: The tested channel results are marks in bold.

## 24. Conducted power measurement results of BT

| BT   | Average Conducted Power(dBm) |             |             |             |
|------|------------------------------|-------------|-------------|-------------|
|      | Max.                         | CH0         | CH39        | CH78        |
|      | Tune up                      | 2402MHz     | 2441MHz     | 2480MHz     |
| DH5  | 10.00                        | <b>8.44</b> | <b>8.81</b> | <b>8.69</b> |
| 2DH5 | 10.00                        | 8.76        | 8.11        | 8.28        |
| 3DH5 | 10.00                        | 8.82        | 8.07        | 8.11        |

| BT      | Average Conducted Power(dBm) |         |         |         |
|---------|------------------------------|---------|---------|---------|
|         | Max.                         | CH0     | CH19    | CH39    |
|         | Tune up                      | 2402MHz | 2440MHz | 2480MHz |
| BLE(1M) | 7.00                         | 6.25    | 5.57    | 5.23    |

Note:

- 1) The conducted power of BT is measured with RMS detector.
- 2) The tested channel results are marks in bold.

## 25. Conducted power measurement results of WiFi 2.4G

Receiver on

| Band | Mode         | Channel | Frequency<br>(MHz) | Data Rate<br>(Mbps) | Max.<br>Tune up | Average<br>Power(dBm) |
|------|--------------|---------|--------------------|---------------------|-----------------|-----------------------|
| 2.4G | 802.11b      | 1       | 2412               | 1                   | 12.00           | <b>11.67</b>          |
|      |              | 6       | 2437               |                     | 12.00           | <b>11.71</b>          |
|      |              | 11      | 2462               |                     | 12.00           | <b>11.61</b>          |
|      | 802.11g      | 1       | 2412               | 6                   | 12.00           | 11.63                 |
|      |              | 6       | 2437               |                     | 12.00           | 11.67                 |
|      |              | 11      | 2462               |                     | 12.00           | 11.59                 |
|      | 802.11n HT20 | 1       | 2412               | MCS0                | 11.00           | 10.41                 |
|      |              | 6       | 2437               |                     | 11.00           | 10.39                 |
|      |              | 11      | 2462               |                     | 11.00           | 10.54                 |
|      | 802.11n HT40 | 3       | 2422               | MCS0                | 11.00           | 10.62                 |
|      |              | 6       | 2437               |                     | 11.00           | 10.25                 |
|      |              | 9       | 2452               |                     | 11.00           | 10.44                 |

Sensor on

| Band | Mode         | Channel | Frequency<br>(MHz) | Data Rate<br>(Mbps) | Max.<br>Tune up | Average<br>Power(dBm) |
|------|--------------|---------|--------------------|---------------------|-----------------|-----------------------|
| 2.4G | 802.11b      | 1       | 2412               | 1                   | 15.00           | <b>14.68</b>          |
|      |              | 6       | 2437               |                     | 15.00           | 14.56                 |
|      |              | 11      | 2462               |                     | 15.00           | 14.58                 |
|      | 802.11g      | 1       | 2412               | 6                   | 15.00           | 14.53                 |
|      |              | 6       | 2437               |                     | 15.00           | 14.61                 |
|      |              | 11      | 2462               |                     | 15.00           | 14.64                 |
|      | 802.11n HT20 | 1       | 2412               | MCS0                | 11.00           | 10.41                 |
|      |              | 6       | 2437               |                     | 11.00           | 10.39                 |
|      |              | 11      | 2462               |                     | 11.00           | 10.54                 |
|      | 802.11n HT40 | 3       | 2422               | MCS0                | 11.00           | 10.62                 |
|      |              | 6       | 2437               |                     | 11.00           | 10.25                 |
|      |              | 9       | 2452               |                     | 11.00           | 10.46                 |

## Sensor off

| Band | Mode         | Channel | Frequency<br>(MHz) | Data Rate<br>(Mbps) | Max.<br>Tune up | Average<br>Power(dBm) |
|------|--------------|---------|--------------------|---------------------|-----------------|-----------------------|
| 2.4G | 802.11b      | 1       | 2412               | 1                   | 17.00           | <b>16.64</b>          |
|      |              | 6       | 2437               |                     | 17.00           | <b>16.81</b>          |
|      |              | 11      | 2462               |                     | 17.00           | <b>16.72</b>          |
|      | 802.11g      | 1       | 2412               | 6                   | 17.00           | 16.62                 |
|      |              | 6       | 2437               |                     | 17.00           | 16.74                 |
|      |              | 11      | 2462               |                     | 17.00           | 16.77                 |
|      | 802.11n HT20 | 1       | 2412               | 6.5                 | 13.00           | 12.54                 |
|      |              | 6       | 2437               |                     | 13.00           | 12.34                 |
|      |              | 11      | 2462               |                     | 13.00           | 12.41                 |
|      | 802.11n HT40 | 3       | 2422               | 13.5                | 13.00           | 12.36                 |
|      |              | 6       | 2437               |                     | 13.00           | 12.57                 |
|      |              | 9       | 2452               |                     | 13.00           | 12.83                 |

## Hotspot on

| Band | Mode         | Channel | Frequency<br>(MHz) | Data Rate<br>(Mbps) | Max.<br>Tune up | Average<br>Power(dBm) |
|------|--------------|---------|--------------------|---------------------|-----------------|-----------------------|
| 2.4G | 802.11b      | 1       | 2412               | 1                   | 14.00           | <b>13.72</b>          |
|      |              | 6       | 2437               |                     | 14.00           | <b>13.65</b>          |
|      |              | 11      | 2462               |                     | 14.00           | <b>13.59</b>          |
|      | 802.11g      | 1       | 2412               | 6                   | 14.00           | 13.68                 |
|      |              | 6       | 2437               |                     | 14.00           | 13.52                 |
|      |              | 11      | 2462               |                     | 14.00           | 13.54                 |
|      | 802.11n HT20 | 1       | 2412               | MCS0                | 11.00           | 10.43                 |
|      |              | 6       | 2437               |                     | 11.00           | 10.38                 |
|      |              | 11      | 2462               |                     | 11.00           | 10.03                 |
|      | 802.11n HT40 | 3       | 2422               | MCS0                | 11.00           | 10.15                 |
|      |              | 6       | 2437               |                     | 11.00           | 10.48                 |
|      |              | 9       | 2452               |                     | 11.00           | 10.05                 |

## Note:

- 1) The Average conducted power of WiFi 2.4G is measured with RMS detector.
- 2) Per KDB248227 D01, for WiFi 2.4GHz, the highest measured maximum output power Channel for DSSS modes (802.11b) was selected for SAR measurement. SAR for OFDM modes (2.4GHz 802.11g/n) was not required When the highest reported SAR for DSSS is adjusted by the ratio of OFDM modes (802.11g/n) to DSSS modes (802.11b) specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg.
- 3) The tested channel results are marks in bold.

## 26. Conducted power measurement results of WiFi 5.2G

Receiver on

| Band | Mode           | Channel | Frequency (MHz) | Data Rate (Mbps) | Max. Tune up | Average Power(dBm) |
|------|----------------|---------|-----------------|------------------|--------------|--------------------|
| 5.2G | 802.11a        | 36      | 5180            | 6                | 10.50        | 10.37              |
|      |                | 40      | 5200            |                  | 10.50        | <b>10.41</b>       |
|      |                | 44      | 5220            |                  | 10.50        | <b>10.38</b>       |
|      |                | 48      | 5240            |                  | 10.50        | <b>10.42</b>       |
|      | 802.11n HT20   | 36      | 5180            | MCS0             | 10.50        | 10.39              |
|      |                | 40      | 5200            |                  | 10.50        | 10.37              |
|      |                | 44      | 5220            |                  | 10.50        | 10.15              |
|      |                | 48      | 5240            |                  | 10.50        | 10.33              |
|      | 802.11n HT40   | 38      | 5190            | MCS0             | 10.50        | 10.29              |
|      |                | 46      | 5230            |                  | 10.50        | 10.36              |
|      | 802.11ac VHT20 | 36      | 5180            | MCS0             | 10.50        | 10.25              |
|      |                | 40      | 5200            |                  | 10.50        | 10.21              |
|      |                | 44      | 5220            |                  | 10.50        | 10.26              |
|      |                | 48      | 5240            |                  | 10.50        | 10.23              |
|      | 802.11ac VHT40 | 38      | 5190            | MCS0             | 10.50        | 10.36              |
|      |                | 46      | 5230            |                  | 10.50        | 10.27              |
|      | 802.11ac VHT80 | 42      | 5210            | MCS0             | 10.50        | 10.34              |

Sensor on

| Band | Mode           | Channel | Frequency<br>(MHz) | Data Rate<br>(Mbps) | Max.<br>Tune up | Average<br>Power(dBm) |
|------|----------------|---------|--------------------|---------------------|-----------------|-----------------------|
| 5.2G | 802.11a        | 36      | 5180               | 6                   | 11.00           | 10.77                 |
|      |                | 40      | 5200               |                     | 11.00           | 10.80                 |
|      |                | 44      | 5220               |                     | 11.00           | <b>10.84</b>          |
|      |                | 48      | 5240               |                     | 11.00           | 10.78                 |
|      | 802.11n HT20   | 36      | 5180               | MCS0                | 11.00           | 10.47                 |
|      |                | 40      | 5200               |                     | 11.00           | 10.51                 |
|      |                | 44      | 5220               |                     | 11.00           | 10.53                 |
|      |                | 48      | 5240               |                     | 11.00           | 10.57                 |
|      | 802.11n HT40   | 38      | 5190               | MCS0                | 11.00           | 10.77                 |
|      |                | 46      | 5230               |                     | 11.00           | 10.73                 |
|      | 802.11ac VHT20 | 36      | 5180               | MCS0                | 11.00           | 10.45                 |
|      |                | 40      | 5200               |                     | 11.00           | 10.51                 |
|      |                | 44      | 5220               |                     | 11.00           | 10.52                 |
|      |                | 48      | 5240               |                     | 11.00           | 10.47                 |
|      | 802.11ac VHT40 | 38      | 5190               | MCS0                | 11.00           | 10.71                 |
|      |                | 46      | 5230               |                     | 11.00           | 10.72                 |
|      | 802.11ac VHT80 | 42      | 5210               | MCS0                | 11.00           | 10.63                 |

Sensor off

| Band | Mode           | Channel | Frequency<br>(MHz) | Data Rate<br>(Mbps) | Max.<br>Tune up | Average<br>Power(dBm) |
|------|----------------|---------|--------------------|---------------------|-----------------|-----------------------|
| 5.2G | 802.11a        | 36      | 5180               | 6                   | 17.00           | <b>16.60</b>          |
|      |                | 40      | 5200               |                     | 17.00           | 16.54                 |
|      |                | 44      | 5220               |                     | 17.00           | <b>16.63</b>          |
|      |                | 48      | 5240               |                     | 17.00           | <b>16.57</b>          |
|      | 802.11n HT20   | 36      | 5180               | MCS0                | 13.00           | 12.56                 |
|      |                | 40      | 5200               |                     | 13.00           | 12.76                 |
|      |                | 44      | 5220               |                     | 13.00           | 12.81                 |
|      |                | 48      | 5240               |                     | 13.00           | 12.73                 |
|      | 802.11n HT40   | 38      | 5190               | MCS0                | 13.00           | 12.54                 |
|      |                | 46      | 5230               |                     | 13.00           | 12.90                 |
|      | 802.11ac VHT20 | 36      | 5180               | MCS0                | 13.00           | 12.53                 |
|      |                | 40      | 5200               |                     | 13.00           | 12.75                 |
|      |                | 44      | 5220               |                     | 13.00           | 12.80                 |
|      |                | 48      | 5240               |                     | 13.00           | 12.72                 |
|      | 802.11ac VHT40 | 38      | 5190               | MCS0                | 13.00           | 12.57                 |
|      |                | 46      | 5230               |                     | 13.00           | 12.48                 |
|      | 802.11ac VHT80 | 42      | 5210               | MCS0                | 13.00           | 12.61                 |

Hotspot on

| Band | Mode           | Channel | Frequency (MHz) | Data Rate (Mbps) | Max. Tune up | Average Power(dBm) |
|------|----------------|---------|-----------------|------------------|--------------|--------------------|
| 5.2G | 802.11a        | 36      | 5180            | 6                | 11.00        | 10.77              |
|      |                | 40      | 5200            |                  | 11.00        | <b>10.80</b>       |
|      |                | 44      | 5220            |                  | 11.00        | <b>10.84</b>       |
|      |                | 48      | 5240            |                  | 11.00        | <b>10.78</b>       |
|      | 802.11n HT20   | 36      | 5180            | MCS0             | 11.00        | 10.47              |
|      |                | 40      | 5200            |                  | 11.00        | 10.51              |
|      |                | 44      | 5220            |                  | 11.00        | 10.53              |
|      |                | 48      | 5240            |                  | 11.00        | 10.57              |
|      | 802.11n HT40   | 38      | 5190            | MCS0             | 11.00        | 10.77              |
|      |                | 46      | 5230            |                  | 11.00        | 10.73              |
|      | 802.11ac VHT20 | 36      | 5180            | MCS0             | 11.00        | 10.45              |
|      |                | 40      | 5200            |                  | 11.00        | 10.51              |
|      |                | 44      | 5220            |                  | 11.00        | 10.52              |
|      |                | 48      | 5240            |                  | 11.00        | 10.47              |
|      | 802.11ac VHT40 | 38      | 5190            | MCS0             | 11.00        | 10.71              |
|      |                | 46      | 5230            |                  | 11.00        | 10.72              |
|      | 802.11ac VHT80 | 42      | 5210            | MCS0             | 11.00        | 10.63              |

Note:

- 1) The Average conducted power of WiFi 5.2G is measured with RMS detector.
- 2) The tested channel results are marks in bold.

## 27. Conducted power measurement results of WiFi 5.3G

Receiver on

| Band | Mode           | Channel | Frequency (MHz) | Data Rate (Mbps) | Max. Tune up | Average Power(dBm) |
|------|----------------|---------|-----------------|------------------|--------------|--------------------|
| 5.3G | 802.11a        | 52      | 5260            | 6                | 10.50        | 10.23              |
|      |                | 56      | 5280            |                  | 10.50        | <b>10.27</b>       |
|      |                | 60      | 5300            |                  | 10.50        | <b>10.33</b>       |
|      |                | 64      | 5320            |                  | 10.50        | <b>10.38</b>       |
|      | 802.11n HT20   | 52      | 5260            | MCS0             | 10.50        | 10.18              |
|      |                | 56      | 5280            |                  | 10.50        | 10.12              |
|      |                | 60      | 5300            |                  | 10.50        | 10.22              |
|      |                | 64      | 5320            |                  | 10.50        | 10.27              |
|      | 802.11n HT40   | 54      | 5270            | MCS0             | 10.50        | 10.28              |
|      |                | 62      | 5310            |                  | 10.50        | 10.05              |
|      | 802.11ac VHT20 | 52      | 5260            | MCS0             | 10.50        | 10.11              |
|      |                | 56      | 5280            |                  | 10.50        | 10.17              |
|      |                | 60      | 5300            |                  | 10.50        | 10.24              |
|      |                | 64      | 5320            |                  | 10.50        | 10.29              |
|      | 802.11ac VHT40 | 54      | 5270            | MCS0             | 10.50        | 10.31              |
|      |                | 62      | 5310            |                  | 10.50        | 10.14              |
|      | 802.11ac VHT80 | 58      | 5290            | MCS0             | 10.50        | 10.09              |

Sensor on

| Band | Mode           | Channel | Frequency<br>(MHz) | Data Rate<br>(Mbps) | Max.<br>Tune up | Average<br>Power(dBm) |
|------|----------------|---------|--------------------|---------------------|-----------------|-----------------------|
| 5.3G | 802.11a        | 52      | 5260               | 6                   | 11.00           | 10.72                 |
|      |                | 56      | 5280               |                     | 11.00           | 10.77                 |
|      |                | 60      | 5300               |                     | 11.00           | 10.81                 |
|      |                | 64      | 5320               |                     | 11.00           | <b>10.84</b>          |
|      | 802.11n HT20   | 52      | 5260               | MCS0                | 11.00           | 10.59                 |
|      |                | 56      | 5280               |                     | 11.00           | 10.65                 |
|      |                | 60      | 5300               |                     | 11.00           | 10.73                 |
|      |                | 64      | 5320               |                     | 11.00           | 10.69                 |
|      | 802.11n HT40   | 54      | 5270               | MCS0                | 11.00           | 10.77                 |
|      |                | 62      | 5310               |                     | 11.00           | 10.57                 |
|      | 802.11ac VHT20 | 52      | 5260               | MCS0                | 11.00           | 10.59                 |
|      |                | 56      | 5280               |                     | 11.00           | 10.64                 |
|      |                | 60      | 5300               |                     | 11.00           | 10.73                 |
|      |                | 64      | 5320               |                     | 11.00           | 10.74                 |
|      | 802.11ac VHT40 | 54      | 5270               | MCS0                | 11.00           | 10.79                 |
|      |                | 62      | 5310               |                     | 11.00           | 10.52                 |
|      | 802.11ac VHT80 | 58      | 5290               | MCS0                | 11.00           | 10.64                 |

Sensor off

| Band | Mode           | Channel | Frequency<br>(MHz) | Data Rate<br>(Mbps) | Max.<br>Tune up | Average<br>Power(dBm) |
|------|----------------|---------|--------------------|---------------------|-----------------|-----------------------|
| 5.3G | 802.11a        | 52      | 5260               | 6                   | 17.00           | <b>16.75</b>          |
|      |                | 56      | 5280               |                     | 17.00           | <b>16.91</b>          |
|      |                | 60      | 5300               |                     | 17.00           | 16.61                 |
|      |                | 64      | 5320               |                     | 17.00           | <b>16.74</b>          |
|      | 802.11n HT20   | 52      | 5260               | MCS0                | 13.00           | 12.76                 |
|      |                | 56      | 5280               |                     | 13.00           | 12.57                 |
|      |                | 60      | 5300               |                     | 13.00           | 12.64                 |
|      |                | 64      | 5320               |                     | 13.00           | 12.67                 |
|      | 802.11n HT40   | 54      | 5270               | MCS0                | 13.00           | 12.64                 |
|      |                | 62      | 5310               |                     | 13.00           | 12.48                 |
|      | 802.11ac VHT20 | 52      | 5260               | MCS0                | 13.00           | 12.77                 |
|      |                | 56      | 5280               |                     | 13.00           | 12.46                 |
|      |                | 60      | 5300               |                     | 13.00           | 12.64                 |
|      |                | 64      | 5320               |                     | 13.00           | 12.67                 |
|      | 802.11ac VHT40 | 54      | 5270               | MCS0                | 13.00           | 12.68                 |
|      |                | 62      | 5310               |                     | 13.00           | 12.49                 |
|      | 802.11ac VHT80 | 58      | 5290               | MCS0                | 13.00           | 12.54                 |

Hotspot on

| Band | Mode           | Channel | Frequency (MHz) | Data Rate (Mbps) | Max. Tune up | Average Power(dBm) |
|------|----------------|---------|-----------------|------------------|--------------|--------------------|
| 5.3G | 802.11a        | 52      | 5260            | 6                | 11.00        | 10.72              |
|      |                | 56      | 5280            |                  | 11.00        | <b>10.77</b>       |
|      |                | 60      | 5300            |                  | 11.00        | <b>10.81</b>       |
|      |                | 64      | 5320            |                  | 11.00        | <b>10.84</b>       |
|      | 802.11n HT20   | 52      | 5260            | MCS0             | 11.00        | 10.59              |
|      |                | 56      | 5280            |                  | 11.00        | 10.65              |
|      |                | 60      | 5300            |                  | 11.00        | 10.73              |
|      |                | 64      | 5320            |                  | 11.00        | 10.69              |
|      | 802.11n HT40   | 54      | 5270            | MCS0             | 11.00        | 10.77              |
|      |                | 62      | 5310            |                  | 11.00        | 10.57              |
|      | 802.11ac VHT20 | 52      | 5260            | MCS0             | 11.00        | 10.59              |
|      |                | 56      | 5280            |                  | 11.00        | 10.64              |
|      |                | 60      | 5300            |                  | 11.00        | 10.73              |
|      |                | 64      | 5320            |                  | 11.00        | 10.74              |
|      | 802.11ac VHT40 | 54      | 5270            | MCS0             | 11.00        | 10.79              |
|      |                | 62      | 5310            |                  | 11.00        | 10.52              |
|      | 802.11ac VHT80 | 58      | 5290            | MCS0             | 11.00        | 10.64              |

Note:

- 1) The Average conducted power of WiFi 5.3G is measured with RMS detector.
- 2) The tested channel results are marks in bold.

## 28. Conducted power measurement results of WiFi 5.6G

Receiver on

| Band | Mode           | Channel | Frequency (MHz) | Data Rate (Mbps) | Max. Tune up | Average Power(dBm) |
|------|----------------|---------|-----------------|------------------|--------------|--------------------|
| 5.6G | 802.11a        | 100     | 5500            | 6                | 10.50        | 10.26              |
|      |                | 104     | 5520            |                  | 10.50        | 10.21              |
|      |                | 108     | 5540            |                  | 10.50        | 10.27              |
|      |                | 112     | 5560            |                  | 10.50        | 10.24              |
|      |                | 116     | 5580            |                  | 10.50        | <b>10.37</b>       |
|      |                | 132     | 5660            |                  | 10.50        | <b>10.43</b>       |
|      |                | 136     | 5680            |                  | 10.50        | <b>10.41</b>       |
|      |                | 140     | 5700            |                  | 10.50        | 10.31              |
|      | 802.11n HT20   | 100     | 5500            | MCS0             | 10.50        | 10.39              |
|      |                | 104     | 5520            |                  | 10.50        | 10.02              |
|      |                | 108     | 5540            |                  | 10.50        | 10.37              |
|      |                | 112     | 5560            |                  | 10.50        | 10.41              |
|      |                | 116     | 5580            |                  | 10.50        | 10.29              |
|      |                | 132     | 5660            |                  | 10.50        | 10.33              |
|      |                | 136     | 5680            |                  | 10.50        | 10.31              |
|      |                | 140     | 5700            |                  | 10.50        | 10.19              |
|      | 802.11n HT40   | 102     | 5510            | MCS0             | 10.50        | 10.26              |
|      |                | 110     | 5550            |                  | 10.50        | 10.13              |
|      |                | 118     | 5590            |                  | 10.50        | 10.07              |
|      |                | 126     | 5630            |                  | 10.50        | 10.22              |
|      |                | 134     | 5670            |                  | 10.50        | 10.13              |
|      | 802.11ac VHT20 | 100     | 5500            | MCS0             | 10.50        | 9.98               |
|      |                | 104     | 5520            |                  | 10.50        | 10.05              |
|      |                | 108     | 5540            |                  | 10.50        | 10.02              |
|      |                | 112     | 5560            |                  | 10.50        | 10.41              |
|      |                | 116     | 5580            |                  | 10.50        | 10.31              |
|      |                | 132     | 5660            |                  | 10.50        | 10.35              |
|      |                | 136     | 5680            |                  | 10.50        | 10.37              |
|      |                | 140     | 5700            |                  | 10.50        | 10.27              |
|      | 802.11ac VHT40 | 102     | 5510            | MCS0             | 10.50        | 10.28              |
|      |                | 110     | 5550            |                  | 10.50        | 10.09              |
|      |                | 118     | 5590            |                  | 10.50        | 10.03              |
|      |                | 126     | 5630            |                  | 10.50        | 10.16              |
|      |                | 134     | 5670            |                  | 10.50        | 10.04              |
|      | 802.11ac VHT80 | 106     | 5530            | MCS0             | 10.50        | 10.22              |
|      |                | 122     | 5610            |                  | 10.50        | 10.08              |

Sensor on

| Band | Mode           | Channel | Frequency<br>(MHz) | Data Rate<br>(Mbps) | Max.<br>Tune up | Average<br>Power(dBm) |
|------|----------------|---------|--------------------|---------------------|-----------------|-----------------------|
| 5.6G | 802.11a        | 100     | 5500               | 6                   | 11.00           | 10.66                 |
|      |                | 104     | 5520               |                     | 11.00           | 10.72                 |
|      |                | 108     | 5540               |                     | 11.00           | 10.62                 |
|      |                | 112     | 5560               |                     | 11.00           | 10.51                 |
|      |                | 116     | 5580               |                     | 11.00           | 10.45                 |
|      |                | 132     | 5660               |                     | 11.00           | 10.48                 |
|      |                | 136     | 5680               |                     | 11.00           | 10.46                 |
|      |                | 140     | 5700               |                     | 11.00           | 10.44                 |
|      | 802.11n HT20   | 100     | 5500               | MCS0                | 11.00           | 10.51                 |
|      |                | 104     | 5520               |                     | 11.00           | 10.59                 |
|      |                | 108     | 5540               |                     | 11.00           | 10.52                 |
|      |                | 112     | 5560               |                     | 11.00           | 10.42                 |
|      |                | 116     | 5580               |                     | 11.00           | 10.77                 |
|      |                | 132     | 5660               |                     | 11.00           | 10.85                 |
|      |                | 136     | 5680               |                     | 11.00           | 10.83                 |
|      |                | 140     | 5700               |                     | 11.00           | 10.74                 |
|      | 802.11n HT40   | 102     | 5510               | MCS0                | 11.00           | 10.81                 |
|      |                | 110     | 5550               |                     | 11.00           | 10.65                 |
|      |                | 118     | 5590               |                     | 11.00           | 10.57                 |
|      |                | 126     | 5630               |                     | 11.00           | 10.73                 |
|      |                | 134     | 5670               |                     | 11.00           | 10.62                 |
|      | 802.11ac VHT20 | 100     | 5500               | MCS0                | 11.00           | 10.56                 |
|      |                | 104     | 5520               |                     | 11.00           | 10.62                 |
|      |                | 108     | 5540               |                     | 11.00           | 10.53                 |
|      |                | 112     | 5560               |                     | 11.00           | 10.46                 |
|      |                | 116     | 5580               |                     | 11.00           | <b>10.88</b>          |
|      |                | 132     | 5660               |                     | 11.00           | 10.39                 |
|      |                | 136     | 5680               |                     | 11.00           | 10.83                 |
|      |                | 140     | 5700               |                     | 11.00           | 10.81                 |
|      | 802.11ac VHT40 | 102     | 5510               | MCS0                | 11.00           | 10.76                 |
|      |                | 110     | 5550               |                     | 11.00           | 10.63                 |
|      |                | 118     | 5590               |                     | 11.00           | 10.57                 |
|      |                | 126     | 5630               |                     | 11.00           | 10.67                 |
|      |                | 134     | 5670               |                     | 11.00           | 10.62                 |
|      | 802.11ac VHT80 | 106     | 5530               | MCS0                | 11.00           | 10.82                 |
|      |                | 122     | 5610               |                     | 11.00           | 10.51                 |

Sensor off

| Band | Mode           | Channel | Frequency<br>(MHz) | Data Rate<br>(Mbps) | Max.<br>Tune up | Average<br>Power(dBm) |
|------|----------------|---------|--------------------|---------------------|-----------------|-----------------------|
| 5.6G | 802.11a        | 100     | 5500               | 6                   | 17.00           | <b>16.77</b>          |
|      |                | 104     | 5520               |                     | 17.00           | 16.48                 |
|      |                | 108     | 5540               |                     | 17.00           | <b>16.74</b>          |
|      |                | 112     | 5560               |                     | 17.00           | <b>16.78</b>          |
|      |                | 116     | 5580               |                     | 17.00           | 16.68                 |
|      |                | 132     | 5660               |                     | 17.00           | 16.46                 |
|      |                | 136     | 5680               |                     | 17.00           | 16.44                 |
|      |                | 140     | 5700               |                     | 17.00           | 16.61                 |
|      | 802.11n HT20   | 100     | 5500               | MCS0                | 13.00           | 12.43                 |
|      |                | 104     | 5520               |                     | 13.00           | 12.63                 |
|      |                | 108     | 5540               |                     | 13.00           | 12.68                 |
|      |                | 112     | 5560               |                     | 13.00           | 12.71                 |
|      |                | 116     | 5580               |                     | 13.00           | 12.65                 |
|      |                | 132     | 5660               |                     | 13.00           | 12.82                 |
|      |                | 136     | 5680               |                     | 13.00           | 12.76                 |
|      |                | 140     | 5700               |                     | 13.00           | 12.63                 |
|      | 802.11n HT40   | 102     | 5510               | MCS0                | 13.00           | 12.32                 |
|      |                | 110     | 5550               |                     | 13.00           | 12.41                 |
|      |                | 118     | 5590               |                     | 13.00           | 12.49                 |
|      |                | 126     | 5630               |                     | 13.00           | 12.66                 |
|      |                | 134     | 5670               |                     | 13.00           | 12.57                 |
|      | 802.11ac VHT20 | 100     | 5500               | MCS0                | 13.00           | 12.51                 |
|      |                | 104     | 5520               |                     | 13.00           | 12.64                 |
|      |                | 108     | 5540               |                     | 13.00           | 12.68                 |
|      |                | 112     | 5560               |                     | 13.00           | 12.70                 |
|      |                | 116     | 5580               |                     | 13.00           | 12.69                 |
|      |                | 132     | 5660               |                     | 13.00           | 12.78                 |
|      |                | 136     | 5680               |                     | 13.00           | 12.80                 |
|      |                | 140     | 5700               |                     | 13.00           | 12.66                 |
|      | 802.11ac VHT40 | 102     | 5510               | MCS0                | 13.00           | 12.36                 |
|      |                | 110     | 5550               |                     | 13.00           | 12.44                 |
|      |                | 118     | 5590               |                     | 13.00           | 12.53                 |
|      |                | 126     | 5630               |                     | 13.00           | 12.68                 |
|      |                | 134     | 5670               |                     | 13.00           | 12.57                 |
|      | 802.11ac VHT80 | 106     | 5530               | MCS0                | 13.00           | 12.58                 |
|      |                | 122     | 5610               |                     | 13.00           | 12.45                 |

Hotspot on

| Band | Mode           | Channel | Frequency (MHz) | Data Rate (Mbps) | Max. Tune up | Average Power(dBm) |
|------|----------------|---------|-----------------|------------------|--------------|--------------------|
| 5.6G | 802.11a        | 100     | 5500            | 6                | 11.00        | 10.66              |
|      |                | 104     | 5520            |                  | 11.00        | 10.72              |
|      |                | 108     | 5540            |                  | 11.00        | 10.62              |
|      |                | 112     | 5560            |                  | 11.00        | 10.51              |
|      |                | 116     | 5580            |                  | 11.00        | 10.45              |
|      |                | 132     | 5660            |                  | 11.00        | 10.48              |
|      |                | 136     | 5680            |                  | 11.00        | 10.46              |
|      |                | 140     | 5700            |                  | 11.00        | 10.44              |
|      | 802.11n HT20   | 100     | 5500            | MCS0             | 11.00        | 10.51              |
|      |                | 104     | 5520            |                  | 11.00        | 10.59              |
|      |                | 108     | 5540            |                  | 11.00        | 10.52              |
|      |                | 112     | 5560            |                  | 11.00        | 10.42              |
|      |                | 116     | 5580            |                  | 11.00        | 10.77              |
|      |                | 132     | 5660            |                  | 11.00        | 10.85              |
|      |                | 136     | 5680            |                  | 11.00        | 10.83              |
|      |                | 140     | 5700            |                  | 11.00        | 10.74              |
|      | 802.11n HT40   | 102     | 5510            | MCS0             | 11.00        | 10.81              |
|      |                | 110     | 5550            |                  | 11.00        | 10.65              |
|      |                | 118     | 5590            |                  | 11.00        | 10.57              |
|      |                | 126     | 5630            |                  | 11.00        | 10.73              |
|      |                | 134     | 5670            |                  | 11.00        | 10.62              |
|      | 802.11ac VHT20 | 100     | 5500            | MCS0             | 11.00        | 10.56              |
|      |                | 104     | 5520            |                  | 11.00        | 10.62              |
|      |                | 108     | 5540            |                  | 11.00        | 10.53              |
|      |                | 112     | 5560            |                  | 11.00        | 10.46              |
|      |                | 116     | 5580            |                  | 11.00        | <b>10.88</b>       |
|      |                | 132     | 5660            |                  | 11.00        | 10.39              |
|      |                | 136     | 5680            |                  | 11.00        | <b>10.83</b>       |
|      |                | 140     | 5700            |                  | 11.00        | <b>10.81</b>       |
|      | 802.11ac VHT40 | 102     | 5510            | MCS0             | 11.00        | 10.76              |
|      |                | 110     | 5550            |                  | 11.00        | 10.63              |
|      |                | 118     | 5590            |                  | 11.00        | 10.57              |
|      |                | 126     | 5630            |                  | 11.00        | 10.67              |
|      |                | 134     | 5670            |                  | 11.00        | 10.62              |
|      | 802.11ac VHT80 | 106     | 5530            | MCS0             | 11.00        | 10.82              |
|      |                | 122     | 5610            |                  | 11.00        | 10.51              |

Note:

- 1) The Average conducted power of WiFi 5.6G is measured with RMS detector.
- 2) The tested channel results are marks in bold.

## 29. Conducted power measurement results of WiFi 5.8G

Receiver on

| Band | Mode           | Channel | Frequency<br>(MHz) | Data Rate<br>(Mbps) | Max.<br>Tune up | Average<br>Power(dBm) |
|------|----------------|---------|--------------------|---------------------|-----------------|-----------------------|
| 5.8G | 802.11a        | 149     | 5745               | 6                   | 10.50           | <b>10.27</b>          |
|      |                | 153     | 5765               |                     | 10.50           | <b>10.21</b>          |
|      |                | 157     | 5785               |                     | 10.50           | 10.11                 |
|      |                | 161     | 5805               |                     | 10.50           | 10.14                 |
|      |                | 165     | 5825               |                     | 10.50           | <b>10.29</b>          |
|      | 802.11n HT20   | 149     | 5745               | MCS0                | 10.50           | 10.13                 |
|      |                | 153     | 5765               |                     | 10.50           | 10.07                 |
|      |                | 157     | 5785               |                     | 10.50           | 10.18                 |
|      |                | 161     | 5805               |                     | 10.50           | 10.01                 |
|      |                | 165     | 5825               |                     | 10.50           | 10.15                 |
|      | 802.11n HT40   | 151     | 5755               | MCS0                | 10.50           | 10.09                 |
|      |                | 159     | 5795               |                     | 10.50           | 10.04                 |
|      | 802.11ac VHT20 | 149     | 5745               | MCS0                | 10.50           | 10.21                 |
|      |                | 153     | 5765               |                     | 10.50           | 10.11                 |
|      |                | 157     | 5785               |                     | 10.50           | 9.99                  |
|      |                | 161     | 5805               |                     | 10.50           | 10.09                 |
|      |                | 165     | 5825               |                     | 10.50           | 10.26                 |
|      | 802.11ac VHT40 | 151     | 5755               | MCS0                | 10.50           | 10.13                 |
|      |                | 159     | 5795               |                     | 10.50           | 10.07                 |
|      | 802.11ac VHT80 | 155     | 5775               | MCS0                | 10.50           | 10.22                 |

Sensor on

| Band | Mode           | Channel | Frequency<br>(MHz) | Data Rate<br>(Mbps) | Max.<br>Tune up | Average<br>Power(dBm) |
|------|----------------|---------|--------------------|---------------------|-----------------|-----------------------|
| 5.8G | 802.11a        | 149     | 5745               | 6                   | 11.00           | 10.77                 |
|      |                | 153     | 5765               |                     | 11.00           | 10.80                 |
|      |                | 157     | 5785               |                     | 11.00           | 10.61                 |
|      |                | 161     | 5805               |                     | 11.00           | 10.68                 |
|      |                | 165     | 5825               |                     | 11.00           | <b>10.83</b>          |
|      | 802.11n HT20   | 149     | 5745               | MCS0                | 11.00           | 10.68                 |
|      |                | 153     | 5765               |                     | 11.00           | 10.57                 |
|      |                | 157     | 5785               |                     | 11.00           | 10.43                 |
|      |                | 161     | 5805               |                     | 11.00           | 10.53                 |
|      |                | 165     | 5825               |                     | 11.00           | 10.64                 |
|      | 802.11n HT40   | 151     | 5755               | MCS0                | 11.00           | 10.77                 |
|      |                | 159     | 5795               |                     | 11.00           | 10.68                 |
|      | 802.11ac VHT20 | 149     | 5745               | MCS0                | 11.00           | 10.77                 |
|      |                | 153     | 5765               |                     | 11.00           | 10.65                 |
|      |                | 157     | 5785               |                     | 11.00           | 10.53                 |
|      |                | 161     | 5805               |                     | 11.00           | 10.60                 |
|      |                | 165     | 5825               |                     | 11.00           | 10.79                 |
|      | 802.11ac VHT40 | 151     | 5755               | MCS0                | 11.00           | 10.51                 |
|      |                | 159     | 5795               |                     | 11.00           | 10.81                 |
|      | 802.11ac VHT80 | 155     | 5775               | MCS0                | 11.00           | 10.76                 |

Sensor off

| Band | Mode           | Channel | Frequency<br>(MHz) | Data Rate<br>(Mbps) | Max.<br>Tune up | Average<br>Power(dBm) |
|------|----------------|---------|--------------------|---------------------|-----------------|-----------------------|
| 5.8G | 802.11a        | 149     | 5745               | 6                   | 17.00           | <b>16.49</b>          |
|      |                | 153     | 5765               |                     | 17.00           | 16.41                 |
|      |                | 157     | 5785               |                     | 17.00           | <b>16.54</b>          |
|      |                | 161     | 5805               |                     | 17.00           | 16.42                 |
|      |                | 165     | 5825               |                     | 17.00           | <b>16.56</b>          |
|      | 802.11n HT20   | 149     | 5745               | MCS0                | 13.00           | 12.56                 |
|      |                | 153     | 5765               |                     | 13.00           | 12.54                 |
|      |                | 157     | 5785               |                     | 13.00           | 12.74                 |
|      |                | 161     | 5805               |                     | 13.00           | 12.69                 |
|      |                | 165     | 5825               |                     | 13.00           | 12.83                 |
|      | 802.11n HT40   | 151     | 5755               | MCS0                | 13.00           | 12.54                 |
|      |                | 159     | 5795               |                     | 13.00           | 12.41                 |
|      | 802.11ac VHT20 | 149     | 5745               | MCS0                | 13.00           | 12.64                 |
|      |                | 153     | 5765               |                     | 13.00           | 12.58                 |
|      |                | 157     | 5785               |                     | 13.00           | 12.74                 |
|      |                | 161     | 5805               |                     | 13.00           | 12.73                 |
|      |                | 165     | 5825               |                     | 13.00           | 12.83                 |
|      | 802.11ac VHT40 | 151     | 5755               | MCS0                | 13.00           | 12.53                 |
|      |                | 159     | 5795               |                     | 13.00           | 12.43                 |
|      | 802.11ac VHT80 | 155     | 5775               | MCS0                | 13.00           | 12.60                 |

Hotspot on

| Band | Mode           | Channel | Frequency<br>(MHz) | Data Rate<br>(Mbps) | Max.<br>Tune up | Average<br>Power(dBm) |
|------|----------------|---------|--------------------|---------------------|-----------------|-----------------------|
| 5.8G | 802.11a        | 149     | 5745               | 6                   | 11.00           | <b>10.77</b>          |
|      |                | 153     | 5765               |                     | 11.00           | <b>10.80</b>          |
|      |                | 157     | 5785               |                     | 11.00           | 10.61                 |
|      |                | 161     | 5805               |                     | 11.00           | 10.68                 |
|      |                | 165     | 5825               |                     | 11.00           | <b>10.83</b>          |
|      | 802.11n HT20   | 149     | 5745               | MCS0                | 11.00           | 10.68                 |
|      |                | 153     | 5765               |                     | 11.00           | 10.57                 |
|      |                | 157     | 5785               |                     | 11.00           | 10.43                 |
|      |                | 161     | 5805               |                     | 11.00           | 10.53                 |
|      |                | 165     | 5825               |                     | 11.00           | 10.64                 |
|      | 802.11n HT40   | 151     | 5755               | MCS0                | 11.00           | 10.77                 |
|      |                | 159     | 5795               |                     | 11.00           | 10.68                 |
|      | 802.11ac VHT20 | 149     | 5745               | MCS0                | 11.00           | 10.77                 |
|      |                | 153     | 5765               |                     | 11.00           | 10.65                 |
|      |                | 157     | 5785               |                     | 11.00           | 10.53                 |
|      |                | 161     | 5805               |                     | 11.00           | 10.60                 |
|      |                | 165     | 5825               |                     | 11.00           | 10.79                 |
|      | 802.11ac VHT40 | 151     | 5755               | MCS0                | 11.00           | 10.51                 |
|      |                | 159     | 5795               |                     | 11.00           | 10.81                 |
|      | 802.11ac VHT80 | 155     | 5775               | MCS0                | 11.00           | 10.76                 |

Note:

- 1) The Average conducted power of WiFi 5.8G is measured with RMS detector.
- 2) The tested channel results are marks in bold.