



REPORT No.: SZ24030252S01

## Annex E Conducted Power

**Note:**

Conducted power unit: dBm

The target power was recorded in the manufacturer's document.



## Full Power

| Band 41 (2496~2690MHz) (dBm) |            |         |           |             |                    |                |                     |              |                     |  |  |
|------------------------------|------------|---------|-----------|-------------|--------------------|----------------|---------------------|--------------|---------------------|--|--|
| BW [MHz]                     | Modulation | RB Size | RB Offset | Low Channel | Middle Low Channel | Middle Channel | Middle High Channel | High Channel | Tune-up limit (dBm) |  |  |
| Channel                      |            |         |           | 39750       | 40185              | 40620          | 41055               | 41490        |                     |  |  |
| Frequency (MHz)              |            |         |           | 2506        | 2549.5             | 2593           | 2636.5              | 2680         |                     |  |  |
| 20                           | QPSK       | 1       | 0         | 23.55       | 23.52              | 23.59          | 23.51               | 23.50        | 24.5                |  |  |
| 20                           | QPSK       | 1       | 49        | 23.40       | 23.38              | 23.52          | 23.33               | 23.50        |                     |  |  |
| 20                           | QPSK       | 1       | 99        | 23.43       | 23.53              | 23.56          | 23.39               | 23.40        |                     |  |  |
| 20                           | QPSK       | 50      | 0         | 22.62       | 22.61              | 22.63          | 22.56               | 22.57        |                     |  |  |
| 20                           | QPSK       | 50      | 24        | 22.43       | 22.41              | 22.63          | 22.42               | 22.48        | 23.5                |  |  |
| 20                           | QPSK       | 50      | 50        | 22.56       | 22.36              | 22.59          | 22.41               | 22.55        |                     |  |  |
| 20                           | QPSK       | 100     | 0         | 22.48       | 22.50              | 22.56          | 22.60               | 22.37        |                     |  |  |
| 20                           | 16QAM      | 1       | 0         | 22.54       | 22.52              | 22.71          | 22.72               | 22.67        |                     |  |  |
| 20                           | 16QAM      | 1       | 49        | 22.65       | 22.51              | 22.56          | 22.78               | 22.53        | 23.5                |  |  |
| 20                           | 16QAM      | 1       | 99        | 22.50       | 22.49              | 22.61          | 22.62               | 22.69        |                     |  |  |
| 20                           | 16QAM      | 50      | 0         | 21.55       | 21.49              | 21.69          | 21.62               | 21.65        |                     |  |  |
| 20                           | 16QAM      | 50      | 24        | 21.40       | 21.41              | 21.57          | 21.64               | 21.60        |                     |  |  |
| 20                           | 16QAM      | 50      | 50        | 21.54       | 21.38              | 21.61          | 21.51               | 21.52        | 22.5                |  |  |
| 20                           | 16QAM      | 100     | 0         | 21.60       | 21.43              | 21.43          | 21.46               | 21.45        |                     |  |  |
| 20                           | 64QAM      | 1       | 0         | 21.65       | 21.56              | 21.73          | 21.58               | 21.65        |                     |  |  |
| 20                           | 64QAM      | 1       | 49        | 21.59       | 21.51              | 21.58          | 21.40               | 21.60        |                     |  |  |
| 20                           | 64QAM      | 1       | 99        | 21.44       | 21.57              | 21.41          | 21.48               | 21.51        | 22.5                |  |  |
| 20                           | 64QAM      | 50      | 0         | 20.44       | 20.51              | 20.70          | 20.59               | 20.58        |                     |  |  |
| 20                           | 64QAM      | 50      | 24        | 20.36       | 20.52              | 20.56          | 20.47               | 20.58        |                     |  |  |
| 20                           | 64QAM      | 50      | 50        | 20.57       | 20.49              | 20.47          | 20.47               | 20.53        |                     |  |  |
| 20                           | 64QAM      | 100     | 0         | 20.36       | 20.33              | 20.46          | 20.34               | 20.35        | 21.5                |  |  |
| 20                           | 256QAM     | 1       | 0         | 18.34       | 18.46              | 18.56          | 18.32               | 18.39        |                     |  |  |
| 20                           | 256QAM     | 1       | 49        | 18.30       | 18.40              | 18.46          | 18.46               | 18.35        |                     |  |  |
| 20                           | 256QAM     | 1       | 99        | 18.38       | 18.51              | 18.34          | 18.29               | 18.28        |                     |  |  |
| 20                           | 256QAM     | 50      | 0         | 17.28       | 17.35              | 17.63          | 17.41               | 17.38        | 19.5                |  |  |
| 20                           | 256QAM     | 50      | 24        | 17.39       | 17.31              | 17.41          | 17.54               | 17.46        |                     |  |  |
| 20                           | 256QAM     | 50      | 50        | 17.38       | 17.53              | 17.50          | 17.27               | 17.29        |                     |  |  |
| 20                           | 256QAM     | 100     | 0         | 17.37       | 17.42              | 17.50          | 17.38               | 17.28        |                     |  |  |
| Channel                      |            |         |           | 39725       | 40173              | 40620          | 41068               | 41515        | Tune-up limit (dBm) |  |  |
| Frequency (MHz)              |            |         |           | 2503.5      | 2543.3             | 2593           | 2637.8              | 2682.5       |                     |  |  |
| 15                           | QPSK       | 1       | 0         | 23.46       | 23.43              | 23.50          | 23.42               | 23.41        | 24.5                |  |  |
| 15                           | QPSK       | 1       | 37        | 23.31       | 23.29              | 23.43          | 23.24               | 23.41        |                     |  |  |
| 15                           | QPSK       | 1       | 74        | 23.34       | 23.44              | 23.47          | 23.30               | 23.31        |                     |  |  |
| 15                           | QPSK       | 36      | 0         | 22.53       | 22.52              | 22.54          | 22.47               | 22.48        |                     |  |  |
| 15                           | QPSK       | 36      | 20        | 22.34       | 22.32              | 22.54          | 22.33               | 22.39        | 23.5                |  |  |
| 15                           | QPSK       | 36      | 39        | 22.47       | 22.27              | 22.50          | 22.32               | 22.46        |                     |  |  |
| 15                           | QPSK       | 75      | 0         | 22.39       | 22.41              | 22.47          | 22.51               | 22.28        |                     |  |  |
| 15                           | 16QAM      | 1       | 0         | 22.45       | 22.43              | 22.62          | 22.63               | 22.58        |                     |  |  |
| 15                           | 16QAM      | 1       | 37        | 22.56       | 22.42              | 22.47          | 22.69               | 22.44        | 23.5                |  |  |
| 15                           | 16QAM      | 1       | 74        | 22.41       | 22.40              | 22.52          | 22.53               | 22.60        |                     |  |  |
| 15                           | 16QAM      | 36      | 0         | 21.46       | 21.40              | 21.60          | 21.53               | 21.56        |                     |  |  |
| 15                           | 16QAM      | 36      | 20        | 21.31       | 21.32              | 21.48          | 21.55               | 21.51        |                     |  |  |
| 15                           | 16QAM      | 36      | 39        | 21.45       | 21.29              | 21.52          | 21.42               | 21.43        | 22.5                |  |  |
| 15                           | 16QAM      | 75      | 0         | 21.51       | 21.34              | 21.34          | 21.37               | 21.36        |                     |  |  |
| 15                           | 64QAM      | 1       | 0         | 21.56       | 21.47              | 21.64          | 21.49               | 21.56        |                     |  |  |
| 15                           | 64QAM      | 1       | 37        | 21.50       | 21.42              | 21.49          | 21.31               | 21.51        |                     |  |  |
| 15                           | 64QAM      | 1       | 74        | 21.35       | 21.48              | 21.32          | 21.39               | 21.42        | 22.5                |  |  |
| 15                           | 64QAM      | 36      | 0         | 20.35       | 20.42              | 20.61          | 20.50               | 20.49        |                     |  |  |
| 15                           | 64QAM      | 36      | 20        | 20.27       | 20.43              | 20.47          | 20.36               | 20.49        |                     |  |  |
| 15                           | 64QAM      | 36      | 39        | 20.48       | 20.40              | 20.38          | 20.35               | 20.44        |                     |  |  |
| 15                           | 64QAM      | 75      | 0         | 20.27       | 20.24              | 20.37          | 20.25               | 20.26        | 21.5                |  |  |
| 15                           | 256QAM     | 1       | 0         | 18.25       | 18.37              | 18.47          | 18.23               | 18.30        |                     |  |  |
| 15                           | 256QAM     | 1       | 37        | 18.21       | 18.31              | 18.37          | 18.37               | 18.26        |                     |  |  |
| 15                           | 256QAM     | 1       | 74        | 18.29       | 18.42              | 18.25          | 18.20               | 18.19        |                     |  |  |
| 15                           | 256QAM     | 36      | 0         | 17.19       | 17.26              | 17.54          | 17.32               | 17.29        | 18.5                |  |  |
| 15                           | 256QAM     | 36      | 20        | 17.30       | 17.22              | 17.32          | 17.45               | 17.37        |                     |  |  |
| 15                           | 256QAM     | 36      | 39        | 17.29       | 17.44              | 17.41          | 17.18               | 17.20        |                     |  |  |
| 15                           | 256QAM     | 75      | 0         | 17.28       | 17.33              | 17.41          | 17.29               | 17.19        |                     |  |  |
| Channel                      |            |         |           | 39700       | 40160              | 40620          | 41080               | 41540        | Tune-up limit (dBm) |  |  |
| Frequency (MHz)              |            |         |           | 2501        | 2547               | 2593           | 2639                | 2685         |                     |  |  |
| 10                           | QPSK       | 1       | 0         | 23.38       | 23.35              | 23.42          | 23.34               | 23.33        | 24.5                |  |  |
| 10                           | QPSK       | 1       | 25        | 23.23       | 23.21              | 23.35          | 23.16               | 23.33        |                     |  |  |
| 10                           | QPSK       | 1       | 49        | 23.26       | 23.36              | 23.39          | 23.22               | 23.23        |                     |  |  |
| 10                           | QPSK       | 25      | 0         | 22.45       | 22.44              | 22.46          | 22.39               | 22.40        |                     |  |  |
| 10                           | QPSK       | 25      | 12        | 22.26       | 22.24              | 22.46          | 22.25               | 22.31        | 23.5                |  |  |
| 10                           | QPSK       | 25      | 25        | 22.39       | 22.19              | 22.42          | 22.24               | 22.38        |                     |  |  |
| 10                           | QPSK       | 50      | 0         | 22.31       | 22.33              | 22.39          | 22.43               | 22.20        |                     |  |  |
| 10                           | 16QAM      | 1       | 0         | 22.37       | 22.35              | 22.54          | 22.55               | 22.50        |                     |  |  |
| 10                           | 16QAM      | 1       | 25        | 22.48       | 22.34              | 22.39          | 22.61               | 22.36        | 23.5                |  |  |
| 10                           | 16QAM      | 1       | 49        | 22.33       | 22.32              | 22.44          | 22.45               | 22.52        |                     |  |  |
| 10                           | 16QAM      | 25      | 0         | 21.38       | 21.32              | 21.52          | 21.45               | 21.48        |                     |  |  |
| 10                           | 16QAM      | 25      | 12        | 21.23       | 21.21              | 21.40          | 21.47               | 21.43        |                     |  |  |
| 10                           | 16QAM      | 25      | 25        | 21.37       | 21.21              | 21.44          | 21.34               | 21.35        | 22.5                |  |  |
| 10                           | 16QAM      | 50      | 0         | 21.43       | 21.26              | 21.26          | 21.29               | 21.28        |                     |  |  |
| 10                           | 64QAM      | 1       | 0         | 21.48       | 21.39              | 21.56          | 21.41               | 21.48        |                     |  |  |
| 10                           | 64QAM      | 1       | 25        | 21.42       | 21.34              | 21.41          | 21.23               | 21.43        |                     |  |  |
| 10                           | 64QAM      | 1       | 49        | 21.27       | 21.40              | 21.24          | 21.31               | 21.34        | 21.5                |  |  |
| 10                           | 64QAM      | 25      | 0         | 20.27       | 20.34              | 20.53          | 20.42               | 20.41        |                     |  |  |
| 10                           | 64QAM      | 25      | 12        | 20.19       | 20.35              | 20.39          | 20.30               | 20.41        |                     |  |  |
| 10                           | 64QAM      | 25      | 25        | 20.40       | 20.32              | 20.30          | 20.30               | 20.36        |                     |  |  |
| 10                           | 64QAM      | 50      | 0         | 20.19       | 20.16              | 20.29          | 20.17               | 20.18        | 19.5                |  |  |
| 10                           | 256QAM     | 1       | 0         | 18.17       | 18.29              | 18.39          | 18.15               | 18.22        |                     |  |  |
| 10                           | 256QAM     | 1       | 25        | 18.13       | 18.23              | 18.29          | 18.29               | 18.18        |                     |  |  |
| 10                           | 256QAM     | 1       | 49        | 18.21       | 18.34              | 18.17          | 18.12               | 18.11        |                     |  |  |
| 10                           | 256QAM     | 25      | 0         | 17.11       | 17.18              | 17.46          | 17.24               | 17.21        | 18.5                |  |  |
| 10                           | 256QAM     | 25      | 12        | 17.22       | 17.14              | 17.24          | 17.37               | 17.29        |                     |  |  |
| 10                           | 256QAM     | 25      | 25        | 17.21       | 17.36              | 17.33          | 17.10               | 17.12        |                     |  |  |
| 10                           | 256QAM     | 50      | 0         | 17.20       | 17.25              | 17.33          | 17.21               | 17.11        |                     |  |  |
| Channel                      |            |         |           | 39675       | 40148              | 40620          | 41093               | 41565        | Tune-up limit (dBm) |  |  |
| Frequency (MHz)              |            |         |           | 2498.5      | 2545.8             | 2593           | 2640.3              | 2687.5       |                     |  |  |
| 5                            | QPSK       | 1       | 0         | 23.31       | 23.28              | 23.35          | 23.27               | 23.26        | 24.5                |  |  |
| 5                            | QPSK       | 1       | 12        | 23.16       | 23.14              | 23.28          | 23.09               | 23.26        |                     |  |  |
| 5                            | QPSK       | 1       | 24        | 23.19       | 23.29              | 23.32          | 23.15               | 23.16        |                     |  |  |
| 5                            | QPSK       | 12      | 0         | 22.38       | 22.37              | 22.39          | 22.32               | 22.33        |                     |  |  |
| 5                            | QPSK       | 12      | 7         | 22.19       | 22.17              | 22.39          | 22.18               | 22.24        | 23.5                |  |  |
| 5                            | QPSK       | 12      | 13        | 22.32       | 22.12              | 22.35          | 22.17               | 22.31        |                     |  |  |
| 5                            | QPSK       | 25      | 0         | 22.24       | 22.26              | 22.32          | 22.36               | 22.13        |                     |  |  |
| 5                            | 16QAM      | 1       | 0         | 22.30       | 22.28              | 22.47          | 22.48               | 22.43        |                     |  |  |
| 5                            | 16QAM      | 1       | 12        | 22.41       | 22.27              | 22.32          | 22.54               | 22.29        | 23.5                |  |  |
| 5                            | 16QAM      | 1       | 24        | 22.26       | 22.25              | 22.37          | 22.38               | 22.45        |                     |  |  |
| 5                            | 16QAM      | 12      | 0         | 21.31       | 21.25              | 21.45          | 21.38               | 21.41        |                     |  |  |
| 5                            | 16QAM      | 12      | 7         | 21.16       | 21.17              | 21.33          | 21.40               | 21.36        |                     |  |  |
| 5                            | 16QAM      | 12      | 13        | 21.30       | 21.14              | 21.37          | 21.27               | 21.28        | 22.5                |  |  |
| 5                            | 16QAM      | 25      | 0         | 21.36       | 21.19              | 21.19          | 21.22               | 21.21        |                     |  |  |
| 5                            | 64QAM      | 1       | 0         | 21.41       | 21.32              | 21.49          | 21.34               | 21.41        |                     |  |  |
| 5                            | 64QAM      | 1       | 12        | 21.35       | 21.27              | 21.34          | 21.16               | 21.36        |                     |  |  |
| 5                            | 64QAM      | 1       | 24        | 21.20       | 21.33              | 21.17          | 21.24               | 21.27        | 21.5                |  |  |
| 5                            | 64QAM      | 12      | 0         | 20.20       | 20.27              | 20.46          | 20.35               | 20.34        |                     |  |  |
| 5                            | 64QAM      | 12      | 7         | 20.12       | 20.28              | 20.32          | 20.23               | 20.34        |                     |  |  |
| 5                            | 64QAM      | 12      | 13        | 20.33       | 20.25              | 20.23          | 20.23               | 20.29        |                     |  |  |
| 5                            | 64QAM      | 25      | 0         | 20.12       | 20.08              | 20.22          | 20.10               | 20.11        | 19.5                |  |  |
| 5                            | 256QAM     | 1       | 0         | 18.10       | 18.22              | 18.32          | 18.08               | 18.15        |                     |  |  |
| 5                            | 256QAM     | 1       | 12        | 18.06       | 18.16              | 18.22          | 18.22               | 18.11        |                     |  |  |
| 5                            | 256QAM     | 1       | 24        | 18.14       | 18.27              | 18.10          | 18.05               | 18.04        | 18.5                |  |  |
| 5                            | 256QAM     | 12      | 0         | 17.04       | 17.11              | 17.39          | 17.17               | 17.14        |                     |  |  |
| 5                            | 256QAM     | 12      | 7         | 17.15       | 17.07              | 17.17          | 17.30               | 17.22        |                     |  |  |
| 5                            | 256QAM     | 12      | 13        | 17.14       | 17.06              | 17.26          | 17.03               | 17.05        |                     |  |  |
| 5                            | 256QAM     | 25      | 0         | 17.13       | 17.19              | 17.26          | 17.14               | 17.08        |                     |  |  |

| n41 (PC2)_SCS 15KHz |                      |        |          |             |                    |                |                     |              |                     |
|---------------------|----------------------|--------|----------|-------------|--------------------|----------------|---------------------|--------------|---------------------|
| BW [MHz]            | Modulation           | RB num | RB start | Low Channel | Low/Middle Channel | Middle Channel | Middle/High Channel | High Channel | Tune-up limit (dBm) |
| Channel             |                      |        |          | 504201      | 511404             | 518601         | 525798              | 532998       | 27.50               |
| Frequency (MHz)     |                      |        |          | 2521.01     | 2557.02            | 2593.01        | 2626.5              | 2664.99      |                     |
| 50                  | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 26.10       | 25.99              | 26.04          | 26.08               | 26.06        | 27.50               |
| 50                  |                      | 1      | 135      | 26.11       | 26.13              | 26.17          | 26.19               | 26.10        |                     |
| 50                  |                      | 1      | 268      | 26.03       | 26.15              | 26.04          | 26.01               | 26.14        |                     |
| 50                  |                      | 135    | 1        | 26.03       | 26.10              | 26.27          | 26.13               | 25.93        | 27.50               |
| 50                  |                      | 135    | 67       | 26.13       | 26.15              | 26.27          | 26.21               | 26.10        |                     |
| 50                  |                      | 135    | 135      | 26.16       | 26.07              | 26.07          | 26.29               | 26.06        |                     |
| 50                  |                      | 270    | 0        | 26.13       | 26.11              | 26.27          | 26.24               | 25.96        |                     |
| 50                  | DFT-s-OFDM QPSK      | 1      | 1        | 26.24       | 26.33              | 26.42          | 26.39               | 26.40        | 27.50               |
| 50                  |                      | 1      | 135      | 26.16       | 26.18              | 26.24          | 26.25               | 26.18        |                     |
| 50                  |                      | 1      | 268      | 26.07       | 26.22              | 26.07          | 26.06               | 26.20        |                     |
| 50                  |                      | 135    | 1        | 26.26       | 26.19              | 26.30          | 26.21               | 26.24        | 27.50               |
| 50                  |                      | 135    | 67       | 26.19       | 26.17              | 26.25          | 26.25               | 26.12        |                     |
| 50                  |                      | 135    | 135      | 26.17       | 26.09              | 26.13          | 26.29               | 26.10        |                     |
| 50                  |                      | 270    | 0        | 26.16       | 26.12              | 26.10          | 26.26               | 25.96        |                     |
| 50                  | DFT-s-OFDM 16QAM     | 1      | 1        | 25.15       | 25.06              | 24.72          | 25.07               | 25.07        | 26.00               |
| 50                  | DFT-s-OFDM 64QAM     | 1      | 1        | 23.49       | 23.40              | 23.65          | 23.75               | 23.60        | 24.50               |
| 50                  | DFT-s-OFDM 256QAM    | 1      | 1        | 21.66       | 21.65              | 21.35          | 21.45               | 21.77        | 22.50               |
| 50                  | CP-OFDM QPSK         | 1      | 1        | 25.56       | 25.42              | 25.63          | 25.44               | 25.51        | 26.50               |
| 50                  | CP-OFDM 16QAM        | 1      | 1        | 24.07       | 23.89              | 24.00          | 24.02               | 24.01        | 25.00               |
| 50                  | CP-OFDM 64QAM        | 1      | 1        | 22.58       | 22.68              | 22.68          | 22.36               | 22.67        | 23.50               |
| 50                  | CP-OFDM 256QAM       | 1      | 1        | 19.83       | 19.48              | 19.62          | 19.79               | 19.75        | 20.50               |
| Channel             |                      |        |          | 503202      | 510900             | 518601         | 526296              | 534000       | 27.50               |
| Frequency (MHz)     |                      |        |          | 2516.01     | 2554.5             | 2593.01        | 2631.48             | 2670         |                     |
| 40                  | DFT-s-OFDM QPSK      | 1      | 1        | 25.82       | 25.67              | 25.78          | 25.76               | 25.72        | 27.50               |
| Channel             |                      |        |          | 502200      | 510402             | 518601         | 526800              | 534999       | 27.50               |
| Frequency (MHz)     |                      |        |          | 2511        | 2552.01            | 2593.01        | 2634                | 2674.99      |                     |
| 30                  | DFT-s-OFDM QPSK      | 1      | 1        | 25.94       | 25.81              | 25.96          | 25.90               | 25.79        | 27.50               |
| Channel             |                      |        |          | 501201      | 509904             | 518601         | 527298              | 535998       | 27.50               |
| Frequency (MHz)     |                      |        |          | 2506.01     | 2549.52            | 2593.01        | 2636.49             | 2679.99      |                     |
| 20                  | DFT-s-OFDM QPSK      | 1      | 1        | 26.28       | 26.11              | 26.25          | 26.19               | 26.31        | 27.50               |
| Channel             |                      |        |          | 500700      | 509652             | 518601         | 527550              | 536499       | 27.50               |
| Frequency (MHz)     |                      |        |          | 2503.5      | 2548.26            | 2593.01        | 2637.75             | 2682.49      |                     |
| 15                  | DFT-s-OFDM QPSK      | 1      | 1        | 26.34       | 26.04              | 26.19          | 26.38               | 26.14        | 27.50               |
| Channel             |                      |        |          | 500202      | 509400             | 518601         | 527796              | 537000       | 27.50               |
| Frequency (MHz)     |                      |        |          | 2501.01     | 2547               | 2593.01        | 2638.98             | 2685         |                     |
| 10                  | DFT-s-OFDM QPSK      | 1      | 1        | 26.31       | 26.13              | 26.29          | 26.23               | 26.12        | 27.50               |

| n41 (PC2)_SCS 30KHz |                      |        |          |             |                    |                |                     |              |                     |
|---------------------|----------------------|--------|----------|-------------|--------------------|----------------|---------------------|--------------|---------------------|
| BW [MHz]            | Modulation           | RB num | RB start | Low Channel | Low/Middle Channel | Middle Channel | Middle/High Channel | High Channel | Tune-up limit (dBm) |
| Channel             |                      |        |          | 509202      | 513900             | 518598         | 523296              | 528000       | 28.00               |
| Frequency (MHz)     |                      |        |          | 2546.01     | 2569.5             | 2592.99        | 2616.48             | 2640         |                     |
| 100                 | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 26.55       | 26.61              | 26.65          | 26.66               | 26.68        | 28.00               |
| 100                 |                      | 1      | 136      | 26.69       | 26.77              | 26.87          | 26.90               | 26.72        |                     |
| 100                 |                      | 1      | 271      | 26.69       | 26.83              | 26.79          | 26.74               | 26.73        |                     |
| 100                 |                      | 135    | 1        | 26.67       | 26.76              | 27.03          | 26.86               | 26.73        | 28.00               |
| 100                 |                      | 135    | 67       | 26.76       | 26.84              | 27.03          | 27.03               | 26.86        |                     |
| 100                 |                      | 135    | 136      | 26.77       | 26.78              | 26.89          | 27.10               | 26.81        |                     |
| 100                 |                      | 270    | 0        | 26.73       | 26.78              | 27.05          | 26.98               | 26.71        |                     |
| 100                 | DFT-s-OFDM QPSK      | 1      | 1        | 27.24       | 27.22              | 27.38          | 27.19               | 27.36        | 28.00               |
| 100                 |                      | 1      | 136      | 26.74       | 26.79              | 26.94          | 27.05               | 27.01        |                     |
| 100                 |                      | 1      | 271      | 26.70       | 26.91              | 26.80          | 26.91               | 26.97        |                     |
| 100                 |                      | 135    | 1        | 27.01       | 26.93              | 27.09          | 26.92               | 26.95        | 28.00               |
| 100                 |                      | 135    | 67       | 26.78       | 26.86              | 27.04          | 27.08               | 26.90        |                     |
| 100                 |                      | 135    | 136      | 26.82       | 26.80              | 26.94          | 26.93               | 26.85        |                     |
| 100                 |                      | 270    | 0        | 26.73       | 26.78              | 27.07          | 27.04               | 26.75        |                     |
| 100                 | DFT-s-OFDM 16QAM     | 1      | 1        | 25.57       | 25.69              | 25.87          | 25.85               | 25.89        | 26.50               |
| 100                 | DFT-s-OFDM 64QAM     | 1      | 1        | 24.18       | 24.12              | 24.25          | 24.33               | 24.31        | 25.50               |
| 100                 | DFT-s-OFDM 256QAM    | 1      | 1        | 22.16       | 21.98              | 22.19          | 22.27               | 22.22        | 23.00               |
| 100                 | CP-OFDM QPSK         | 1      | 1        | 26.01       | 26.02              | 26.17          | 26.12               | 26.16        | 27.00               |
| 100                 | CP-OFDM 16QAM        | 1      | 1        | 24.67       | 24.59              | 24.79          | 24.83               | 24.82        | 25.50               |
| 100                 | CP-OFDM 64QAM        | 1      | 1        | 23.08       | 22.98              | 23.17          | 23.25               | 23.24        | 24.00               |
| 100                 | CP-OFDM 256QAM       | 1      | 1        | 20.30       | 20.19              | 20.41          | 20.51               | 20.51        | 21.50               |
| Channel             |                      |        |          | 508200      | 513402             | 518598         | 523800              | 528996       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 2541        | 2567.01            | 2592.99        | 2619                | 2644.98      |                     |
| 90                  | DFT-s-OFDM QPSK      | 1      | 1        | 26.75       | 26.43              | 26.50          | 26.61               | 26.51        | 28.00               |
| Channel             |                      |        |          | 507204      | 512904             | 518598         | 524298              | 529998       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 2536.02     | 2564.52            | 2592.99        | 2621.49             | 2649.99      |                     |
| 80                  | DFT-s-OFDM QPSK      | 1      | 1        | 26.91       | 26.61              | 26.72          | 26.81               | 26.71        | 28.00               |
| Channel             |                      |        |          | 505200      | 511902             | 518598         | 525798              | 531996       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 2526        | 2559.51            | 2592.99        | 2626.5              | 2659.98      |                     |
| 60                  | DFT-s-OFDM QPSK      | 1      | 1        | 26.88       | 26.77              | 26.80          | 26.83               | 26.88        | 28.00               |
| Channel             |                      |        |          | 504204      | 511404             | 518598         | 525798              | 532998       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 2521.02     | 2557.02            | 2592.99        | 2626.5              | 2664.99      |                     |
| 50                  | DFT-s-OFDM QPSK      | 1      | 1        | 27.24       | 27.22              | 27.38          | 27.19               | 27.36        | 28.00               |
| Channel             |                      |        |          | 504204      | 511404             | 518598         | 525798              | 532998       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 2521.02     | 2557.02            | 2592.99        | 2626.5              | 2664.99      |                     |
| 40                  | DFT-s-OFDM QPSK      | 1      | 1        | 27.12       | 27.27              | 27.33          | 27.20               | 27.30        | 0.00                |
| Channel             |                      |        |          | 504204      | 511404             | 518598         | 525798              | 532998       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 2521.02     | 2557.02            | 2592.99        | 2626.5              | 2664.99      |                     |
| 30                  | DFT-s-OFDM QPSK      | 1      | 1        | 27.01       | 27.23              | 27.24          | 27.17               | 27.11        | 0.00                |
| Channel             |                      |        |          | 504204      | 511404             | 518598         | 525798              | 532998       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 2521.02     | 2557.02            | 2592.99        | 2626.5              | 2664.99      |                     |
| 20                  | DFT-s-OFDM QPSK      | 1      | 1        | 27.17       | 27.02              | 27.28          | 27.09               | 27.26        | 0.00                |
| Channel             |                      |        |          | 504204      | 511404             | 518598         | 525798              | 532998       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 2521.02     | 2557.02            | 2592.99        | 2626.5              | 2664.99      |                     |
| 20                  | DFT-s-OFDM QPSK      | 1      | 1        | 27.14       | 27.33              | 27.05          | 27.24               | 27.21        | 0.00                |

| n48 (PC3)_SCS 15K |                      |        |          |             |                    |                |                     |              |                     |
|-------------------|----------------------|--------|----------|-------------|--------------------|----------------|---------------------|--------------|---------------------|
| BW [MHz]          | Modulation           | RB num | RB start | Low Channel | Low/Middle Channel | Middle Channel | Middle/High Channel | High Channel | Tune-up limit (dBm) |
| Channel           |                      |        |          | 638334      | 640000             | 641666         | 643332              | 645000       | Tune-up limit (dBm) |
| Frequency (MHz)   |                      |        |          | 3575.01     | 3600               | 3624.99        | 3647.49             | 3675         |                     |
| 50                | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 20.49       | 20.55              | 20.93          | 20.74               | 20.56        | 22.00               |
| 50                |                      | 1      | 135      | 20.68       | 21.03              | 20.90          | 20.77               | 20.57        |                     |
| 50                |                      | 1      | 268      | 20.97       | 20.75              | 20.71          | 20.53               | 20.34        |                     |
| 50                |                      | 135    | 1        | 20.65       | 20.78              | 20.82          | 20.87               | 20.59        | 22.00               |
| 50                |                      | 135    | 67       | 20.69       | 21.05              | 20.84          | 20.83               | 20.58        |                     |
| 50                |                      | 135    | 135      | 20.76       | 20.87              | 20.89          | 20.66               | 20.41        |                     |
| 50                |                      | 270    | 0        | 20.63       | 20.99              | 20.78          | 20.75               | 20.52        |                     |
| 50                | DFT-s-OFDM QPSK      | 1      | 1        | 20.47       | 20.54              | 21.07          | 20.75               | 20.63        | 22.00               |
| 50                |                      | 1      | 135      | 20.69       | 21.04              | 20.86          | 20.79               | 20.67        |                     |
| 50                |                      | 1      | 268      | 20.96       | 20.73              | 20.73          | 20.52               | 20.33        |                     |
| 50                |                      | 135    | 1        | 20.87       | 20.79              | 20.93          | 20.89               | 20.86        | 22.00               |
| 50                |                      | 135    | 67       | 20.69       | 20.89              | 20.85          | 20.85               | 20.65        |                     |
| 50                |                      | 135    | 135      | 20.76       | 20.85              | 20.93          | 20.68               | 20.44        |                     |
| 50                |                      | 270    | 0        | 20.68       | 20.88              | 20.78          | 20.77               | 20.52        |                     |
| 50                | DFT-s-OFDM 16QAM     | 1      | 1        | 19.87       | 19.92              | 20.30          | 20.11               | 20.19        | 21.00               |
| 50                | DFT-s-OFDM 64QAM     | 1      | 1        | 18.11       | 18.17              | 18.51          | 18.36               | 18.39        | 20.00               |
| 50                | DFT-s-OFDM 256QAM    | 1      | 1        | 15.89       | 15.94              | 16.24          | 16.15               | 16.18        | 17.00               |
| 50                | CP-OFDM QPSK         | 1      | 1        | 20.00       | 20.06              | 20.41          | 20.24               | 20.28        | 25.00               |
| 50                | CP-OFDM 16QAM        | 1      | 1        | 18.43       | 18.45              | 18.81          | -55.58              | 18.62        | 24.00               |
| 50                | CP-OFDM 64QAM        | 1      | 1        | 17.07       | 17.09              | 17.46          | 17.09               | 17.00        | 23.00               |
| 50                | CP-OFDM 256QAM       | 1      | 1        | 13.80       | 13.83              | 14.27          | 14.27               | 14.24        | 19.00               |
| Channel           |                      |        |          | 638000      | 639834             | 641666         | 643500              | 645332       | Tune-up limit (dBm) |
| Frequency (MHz)   |                      |        |          | 3570        | 3597.51            | 3624.99        | 3652.5              | 3679.98      |                     |
| 40                | DFT-s-OFDM QPSK      | 1      | 1        | 20.25       | 20.20              | 20.56          | 20.43               | 20.18        | 22.00               |
| Channel           |                      |        |          | 637334      | 639500             | 641666         | 643832              | 646000       | Tune-up limit (dBm) |
| Frequency (MHz)   |                      |        |          | 3560.01     | 3592.5             | 3624.99        | 3657.48             | 3690         |                     |
| 20                | DFT-s-OFDM QPSK      | 1      | 1        | 20.58       | 20.70              | 20.66          | 20.78               | 20.52        | 22.00               |
| Channel           |                      |        |          | 637168      | 639418             | 641666         | 643916              | 646166       | Tune-up limit (dBm) |
| Frequency (MHz)   |                      |        |          | 3557.52     | 3591.27            | 3624.99        | 3658.74             | 3692.49      |                     |
| 15                | DFT-s-OFDM QPSK      | 1      | 1        | 20.57       | 20.68              | 20.61          | 20.70               | 20.43        | 22.00               |
| Channel           |                      |        |          | 637000      | 639334             | 641666         | 644000              | 646332       | Tune-up limit (dBm) |
| Frequency (MHz)   |                      |        |          | 3555        | 3590.01            | 3624.99        | 3660                | 3694.98      |                     |
| 10                | DFT-s-OFDM QPSK      | 1      | 1        | 20.57       | 20.78              | 20.64          | 20.72               | 20.45        | 22.00               |

| n48 (PC3)_SCS 30KHz |                      |        |          |             |                    |                |                     |              |                     |
|---------------------|----------------------|--------|----------|-------------|--------------------|----------------|---------------------|--------------|---------------------|
| BW [MHz]            | Modulation           | RB num | RB start | Low Channel | Low/Middle Channel | Middle Channel | Middle/High Channel | High Channel | Tune-up limit (dBm) |
| Channel             |                      |        |          | 640000      | 640834             | 641666         | 642500              | 643332       | 22.50               |
| Frequency (MHz)     |                      |        |          | 3600        | 3612.51            | 3624.99        | 3637.5              | 3649.98      |                     |
| 100                 | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 20.68       | 20.72              | 20.72          | 20.79               | 20.94        | 22.50               |
| 100                 |                      | 1      | 136      | 21.57       | 21.22              | 21.17          | 21.29               | 21.29        |                     |
| 100                 |                      | 1      | 271      | 20.57       | 20.46              | 20.46          | 20.41               | 20.36        |                     |
| 100                 |                      | 135    | 1        | 21.19       | 21.30              | 21.47          | 21.05               | 21.01        | 22.50               |
| 100                 |                      | 135    | 67       | 21.59       | 21.40              | 21.19          | 21.32               | 21.32        |                     |
| 100                 |                      | 135    | 136      | 21.00       | 21.10              | 21.14          | 21.06               | 21.02        |                     |
| 100                 |                      | 270    | 0        | 21.50       | 21.30              | 21.04          | 21.14               | 21.16        |                     |
| 100                 | DFT-s-OFDM QPSK      | 1      | 1        | 21.44       | 21.54              | 21.61          | 21.39               | 21.57        | 22.50               |
| 100                 |                      | 1      | 136      | 21.56       | 21.21              | 21.21          | 21.31               | 21.34        |                     |
| 100                 |                      | 1      | 271      | 21.33       | 21.44              | 21.13          | 21.21               | 21.30        |                     |
| 100                 |                      | 135    | 1        | 21.39       | 21.45              | 21.53          | 21.47               | 21.35        | 22.50               |
| 100                 |                      | 135    | 67       | 21.33       | 21.45              | 21.24          | 21.35               | 21.36        |                     |
| 100                 |                      | 135    | 136      | 21.02       | 21.13              | 21.18          | 21.10               | 21.04        |                     |
| 100                 |                      | 270    | 0        | 21.50       | 21.29              | 21.07          | 21.19               | 21.18        |                     |
| 100                 | DFT-s-OFDM 16QAM     | 1      | 1        | 20.26       | 20.29              | 20.09          | 20.37               | 20.50        | 21.00               |
| 100                 | DFT-s-OFDM 64QAM     | 1      | 1        | 18.17       | 18.22              | 18.16          | 18.30               | 18.47        | 19.00               |
| 100                 | DFT-s-OFDM 256QAM    | 1      | 1        | 15.96       | 16.04              | 16.17          | 16.12               | 16.28        | 17.00               |
| 100                 | CP-OFDM QPSK         | 1      | 1        | 20.08       | 20.14              | 20.22          | 20.21               | 20.38        | 21.00               |
| 100                 | CP-OFDM 16QAM        | 1      | 1        | 18.64       | 18.70              | 18.72          | 18.79               | 18.94        | 19.50               |
| 100                 | CP-OFDM 64QAM        | 1      | 1        | 17.06       | 17.10              | 17.08          | 17.17               | 17.33        | 18.00               |
| 100                 | CP-OFDM 256QAM       | 1      | 1        | 14.02       | 14.12              | 14.20          | 14.18               | 14.37        | 15.00               |
| Channel             |                      |        |          | 639668      | 640668             | 641666         | 642666              | 643666       | 22.50               |
| Frequency (MHz)     |                      |        |          | 3595.02     | 3610.02            | 3624.99        | 3639.99             | 3654.99      |                     |
| 90                  | DFT-s-OFDM QPSK      | 1      | 1        | 20.76       | 20.80              | 20.74          | 20.97               | 20.55        | 22.50               |
| Channel             |                      |        |          | 639334      | 640500             | 641666         | 642832              | 644000       | 22.50               |
| Frequency (MHz)     |                      |        |          | 3590.01     | 3607.5             | 3624.99        | 3642.48             | 3660         |                     |
| 80                  | DFT-s-OFDM QPSK      | 1      | 1        | 20.92       | 20.96              | 20.96          | 20.83               | 20.59        | 22.50               |
| Channel             |                      |        |          | 638668      | 640168             | 641666         | 643332              | 644866       | 22.50               |
| Frequency (MHz)     |                      |        |          | 3580.02     | 3602.52            | 3624.99        | 3647.49             | 3669.99      |                     |
| 60                  | DFT-s-OFDM QPSK      | 1      | 1        | 20.87       | 20.89              | 21.12          | 20.88               | 21.01        | 22.50               |
| Channel             |                      |        |          | 638334      | 640000             | 641666         | 643332              | 645000       | 22.50               |
| Frequency (MHz)     |                      |        |          | 3575.01     | 3600               | 3624.99        | 3647.49             | 3675         |                     |
| 50                  | DFT-s-OFDM QPSK      | 1      | 1        | 21.08       | 21.06              | 21.33          | 21.12               | 20.99        | 22.50               |
| Channel             |                      |        |          | 638000      | 639834             | 641666         | 643500              | 645332       | 22.50               |
| Frequency (MHz)     |                      |        |          | 3570        | 3597.51            | 3624.99        | 3652.5              | 3679.98      |                     |
| 40                  | DFT-s-OFDM QPSK      | 1      | 1        | 20.81       | 20.82              | 21.04          | 20.80               | 20.75        | 22.50               |
| Channel             |                      |        |          | 637334      | 639500             | 641666         | 643832              | 646000       | 22.50               |
| Frequency (MHz)     |                      |        |          | 3560.01     | 3592.5             | 3624.99        | 3657.48             | 3690         |                     |
| 20                  | DFT-s-OFDM QPSK      | 1      | 1        | 21.22       | 21.23              | 21.10          | 21.24               | 21.04        | 22.50               |
| Channel             |                      |        |          | 637168      | 639418             | 641666         | 643916              | 646166       | 22.50               |
| Frequency (MHz)     |                      |        |          | 3557.52     | 3591.27            | 3624.99        | 3658.74             | 3692.49      |                     |
| 15                  | DFT-s-OFDM QPSK      | 1      | 1        | 21.25       | 21.33              | 21.10          | 21.25               | 21.03        | 22.50               |
| Channel             |                      |        |          | 637000      | 639334             | 641666         | 644000              | 646332       | 22.50               |
| Frequency (MHz)     |                      |        |          | 3555        | 3590.01            | 3624.99        | 3660                | 3694.98      |                     |
| 10                  | DFT-s-OFDM QPSK      | 1      | 1        | 21.27       | 21.35              | 21.16          | 21.30               | 21.07        | 22.50               |

| n77(3450-3550MHz) (PC2)_SCS 15KHz |                      |  |                  |          |             |                    |                |                     |              |         |
|-----------------------------------|----------------------|--|------------------|----------|-------------|--------------------|----------------|---------------------|--------------|---------|
| BW [MHz]                          | Modulation           |  | RB num           | RB start | Low Channel | Low/Middle Channel | Middle Channel | Middle/High Channel | High Channel | Tune-up |
| Channel                           |                      |  |                  |          | 631668      | 632500             | 633334         | 634166              | 635000       | limit   |
| Frequency (MHz)                   |                      |  |                  |          | 3475.02     | 3487.5             | 3500.01        | 3510                | 3525         | (dBm)   |
| 50                                | DFT-s-OFDM PI/2 BPSK |  | 1                | 1        | 23.28       | 23.20              | 23.08          | 22.96               | 22.95        | 24.50   |
| 50                                |                      |  | 1                | 135      | 23.20       | 23.16              | 23.13          | 22.96               | 22.89        |         |
| 50                                |                      |  | 1                | 268      | 22.96       | 22.84              | 22.69          | 22.81               | 23.09        |         |
| 50                                |                      |  | 135              | 1        | 23.22       | 23.12              | 23.06          | 23.01               | 22.86        | 24.00   |
| 50                                |                      |  | 135              | 67       | 23.22       | 23.17              | 23.16          | 23.00               | 22.89        |         |
| 50                                |                      |  | 135              | 135      | 23.12       | 23.15              | 22.95          | 22.87               | 22.95        |         |
| 50                                | DFT-s-OFDM QPSK      |  | 270              | 0        | 23.18       | 23.10              | 23.11          | 22.97               | 22.84        | 24.50   |
| 50                                |                      |  | 1                | 1        | 23.42       | 23.40              | 23.62          | 23.51               | 23.59        |         |
| 50                                |                      |  | 1                | 135      | 23.24       | 23.12              | 23.16          | 22.94               | 22.85        |         |
| 50                                |                      |  | 1                | 268      | 22.98       | 22.83              | 22.71          | 22.82               | 23.10        | 24.00   |
| 50                                |                      |  | 135              | 1        | 23.27       | 23.15              | 23.07          | 23.03               | 22.88        |         |
| 50                                |                      |  | 135              | 67       | 23.25       | 23.20              | 23.19          | 22.98               | 22.92        |         |
| 50                                |                      |  | 135              | 135      | 23.16       | 23.15              | 22.98          | 22.87               | 22.96        | 24.00   |
| 50                                |                      |  | 270              | 0        | 23.19       | 23.14              | 23.14          | 22.96               | 22.87        |         |
| 50                                |                      |  | DFT-s-OFDM 16QAM |          | 1           | 1                  | 22.33          | 22.15               | 22.00        |         |
| 50                                | DFT-s-OFDM 64QAM     |  | 1                | 1        | 20.84       | 20.77              | 20.61          | 20.47               | 20.50        | 21.50   |
| 50                                | DFT-s-OFDM 256QAM    |  | 1                | 1        | 19.00       | 18.94              | 18.78          | 18.69               | 18.67        | 20.00   |
| 50                                | CP-OFDM QPSK         |  | 1                | 1        | 22.75       | 22.67              | 22.52          | 22.44               | 22.41        | 23.50   |
| 50                                | CP-OFDM 16QAM        |  | 1                | 1        | 21.30       | 21.18              | 21.05          | 20.95               | 20.90        | 22.00   |
| 50                                | CP-OFDM 64QAM        |  | 1                | 1        | 20.19       | 20.08              | 19.96          | 19.85               | 19.81        | 21.00   |
| 50                                | CP-OFDM 256QAM       |  | 1                | 1        | 16.99       | 16.91              | 16.76          | 16.68               | 16.65        | 18.00   |
| Channel                           |                      |  |                  |          | 631334      | 632334             | 633334         | 634332              | 635332       | Tune-up |
| Frequency (MHz)                   |                      |  |                  |          | 3470.01     | 3485.01            | 3500.01        | 3514.98             | 3529.98      | limit   |
| 40                                | DFT-s-OFDM QPSK      |  | 1                | 1        | 23.44       | 23.28              | 23.36          | 23.29               | 23.41        | 24.50   |
| Channel                           |                      |  |                  |          | 630668      | 632000             | 633334         | 634666              | 636000       | Tune-up |
| Frequency (MHz)                   |                      |  |                  |          | 3460.02     | 3480               | 3500.01        | 3519.99             | 3540         | limit   |
| 20                                | DFT-s-OFDM QPSK      |  | 1                | 1        | 23.24       | 23.03              | 22.91          | 22.70               | 22.58        | 24.50   |
| Channel                           |                      |  |                  |          | 630500      | 631916             | 633334         | 634750              | 636166       | Tune-up |
| Frequency (MHz)                   |                      |  |                  |          | 3457.5      | 3478.74            | 3500.01        | 3521.25             | 3542.49      | limit   |
| 15                                | DFT-s-OFDM QPSK      |  | 1                | 1        | 23.31       | 23.03              | 22.94          | 22.68               | 22.64        | 24.50   |
| Channel                           |                      |  |                  |          | 630334      | 631834             | 633334         | 634834              | 636332       | Tune-up |
| Frequency (MHz)                   |                      |  |                  |          | 3455.01     | 3477.51            | 3500.01        | 3522.51             | 3544.98      | limit   |
| 10                                | DFT-s-OFDM QPSK      |  | 1                | 1        | 23.31       | 23.07              | 22.97          | 22.67               | 22.78        | 24.50   |

| n77(3450-3550MHz) (PC2)_SCS 30KHz |                      |        |          |             |                    |              |                     |              |                     |
|-----------------------------------|----------------------|--------|----------|-------------|--------------------|--------------|---------------------|--------------|---------------------|
| BW [MHz]                          | Modulation           | RB num | RB start | Low Channel | Low/Middle Channel | High Channel | High/Middle Channel | High Channel | Tune-up limit (dBm) |
| Channel                           |                      |        |          |             |                    | 633334       |                     |              |                     |
| Frequency (MHz)                   |                      |        |          |             |                    | 3500.01      |                     |              |                     |
| 100                               | DFT-s-OFDM PI/2 BPSK | 1      | 1        |             |                    | 23.35        |                     |              | 24.50               |
| 100                               |                      | 1      | 136      |             |                    | 23.01        |                     |              |                     |
| 100                               |                      | 1      | 271      |             |                    | 22.40        |                     |              |                     |
| 100                               |                      | 135    | 1        |             |                    | 23.28        |                     |              | 24.50               |
| 100                               |                      | 135    | 67       |             |                    | 23.04        |                     |              |                     |
| 100                               |                      | 135    | 136      |             |                    | 22.67        |                     |              |                     |
| 100                               |                      | 270    | 0        |             |                    | 22.89        |                     |              |                     |
| 100                               | DFT-s-OFDM QPSK      | 1      | 1        |             |                    | 23.65        |                     |              | 24.50               |
| 100                               |                      | 1      | 136      |             |                    | 23.16        |                     |              |                     |
| 100                               |                      | 1      | 271      |             |                    | 22.42        |                     |              |                     |
| 100                               |                      | 135    | 1        |             |                    | 23.45        |                     |              | 24.50               |
| 100                               |                      | 135    | 67       |             |                    | 23.21        |                     |              |                     |
| 100                               |                      | 135    | 136      |             |                    | 23.09        |                     |              |                     |
| 100                               |                      | 270    | 0        |             |                    | 22.93        |                     |              |                     |
| 100                               | DFT-s-OFDM 16QAM     | 1      | 1        |             |                    | 21.57        |                     |              | 22.50               |
| 100                               | DFT-s-OFDM 64QAM     | 1      | 1        |             |                    | 20.11        |                     |              | 21.00               |
| 100                               | DFT-s-OFDM 256QAM    | 1      | 1        |             |                    | 18.45        |                     |              | 19.50               |
| 100                               | CP-OFDM QPSK         | 1      | 1        |             |                    | 22.11        |                     |              | 23.00               |
| 100                               | CP-OFDM 16QAM        | 1      | 1        |             |                    | 20.63        |                     |              | 21.50               |
| 100                               | CP-OFDM 64QAM        | 1      | 1        |             |                    | 19.54        |                     |              | 20.50               |
| 100                               | CP-OFDM 256QAM       | 1      | 1        |             |                    | 16.33        |                     |              | 17.50               |
| Channel                           |                      |        |          | 633000      | 633168             | 633334       | 633500              | 633666       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3495        | 3497.52            | 3500.01      | 3502.5              | 3504.99      |                     |
| 90                                | DFT-s-OFDM QPSK      | 1      | 1        | 22.71       | 22.66              | 22.63        | 22.59               | 22.59        | 24.50               |
| Channel                           |                      |        |          | 632668      | 633000             | 633334       | 633666              | 634000       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3490.02     | 3495               | 3500.01      | 3504.99             | 3510         |                     |
| 80                                | DFT-s-OFDM QPSK      | 1      | 1        | 22.90       | 22.83              | 22.80        | 22.74               | 22.67        | 24.50               |
| Channel                           |                      |        |          | 632334      | 632668             | 633334       | 633666              | 634000       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3485.01     | 3492.51            | 3500.01      | 3507.48             | 3514.98      |                     |
| 70                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.01       | 22.94              | 22.87        | 22.77               | 22.71        | 24.50               |
| Channel                           |                      |        |          | 632000      | 632668             | 633334       | 634000              | 634666       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3480        | 3490.02            | 3500.01      | 3510                | 3519.99      |                     |
| 60                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.07       | 22.97              | 22.87        | 22.72               | 22.75        | 24.50               |
| Channel                           |                      |        |          | 631668      | 632000             | 633334       | 634000              | 634666       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3475.02     | 3487.5             | 3500.01      | 3510                | 3525         |                     |
| 50                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.24       | 23.18              | 23.02        | 22.93               | 22.90        | 24.50               |
| Channel                           |                      |        |          | 631334      | 632000             | 633334       | 634000              | 634666       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3470.01     | 3485.01            | 3500.01      | 3514.98             | 3529.98      |                     |
| 40                                | DFT-s-OFDM QPSK      | 1      | 1        | 22.97       | 22.80              | 22.66        | 22.60               | 22.42        | 24.50               |
| Channel                           |                      |        |          | 630668      | 632000             | 633334       | 634000              | 634666       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3460.02     | 3480               | 3500.01      | 3519.99             | 3540         |                     |
| 20                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.26       | 23.03              | 22.89        | 22.68               | 22.57        | 24.50               |
| Channel                           |                      |        |          | 630500      | 631916             | 633334       | 634750              | 636166       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3457.5      | 3478.74            | 3500.01      | 3521.25             | 3542.49      |                     |
| 15                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.32       | 23.07              | 22.96        | 22.69               | 22.70        | 24.50               |
| Channel                           |                      |        |          | 630334      | 631834             | 633334       | 634834              | 636332       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3455.01     | 3477.51            | 3500.01      | 3522.51             | 3544.98      |                     |
| 10                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.17       | 23.10              | 22.99        | 22.69               | 22.82        | 24.50               |

| n77(3700-3980MHz) (PC2)_SCS 15KHz |                      |        |          |             |                    |              |                     |              |         |
|-----------------------------------|----------------------|--------|----------|-------------|--------------------|--------------|---------------------|--------------|---------|
| BW [MHz]                          | Modulation           | RB num | RB start | Low Channel | Low/Middle Channel | High Channel | High/Middle Channel | High Channel | Tune-up |
| Channel                           |                      |        |          | 648334      | 652168             | 656000       | 659832              | 663666       | limit   |
| Frequency (MHz)                   |                      |        |          | 3725.01     | 3782.52            | 3840         | 3894.99             | 3954.99      | (dBm)   |
| 50                                | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 23.16       | 23.32              | 23.22        | 23.40               | 23.15        | 24.50   |
| 50                                |                      | 1      | 135      | 23.70       | 23.36              | 23.64        | 23.56               | 23.45        |         |
| 50                                |                      | 1      | 268      | 23.37       | 23.32              | 23.40        | 23.22               | 23.40        |         |
| 50                                |                      | 135    | 1        | 23.52       | 23.35              | 23.42        | 23.62               | 23.39        | 24.50   |
| 50                                |                      | 135    | 67       | 23.73       | 23.38              | 23.70        | 23.61               | 23.49        |         |
| 50                                |                      | 135    | 135      | 23.59       | 23.37              | 23.52        | 23.40               | 23.46        |         |
| 50                                | DFT-s-OFDM QPSK      | 270    | 0        | 23.69       | 23.38              | 23.68        | 23.61               | 23.50        | 24.50   |
| 50                                |                      | 1      | 1        | 23.18       | 23.31              | 23.76        | 23.40               | 23.17        |         |
| 50                                |                      | 1      | 135      | 23.74       | 23.37              | 23.68        | 23.58               | 23.47        |         |
| 50                                |                      | 1      | 268      | 23.42       | 23.29              | 23.36        | 23.20               | 23.36        | 24.50   |
| 50                                |                      | 135    | 1        | 23.54       | 23.35              | 23.65        | 23.52               | 23.41        |         |
| 50                                |                      | 135    | 67       | 23.21       | 23.36              | 23.55        | 23.35               | 23.55        |         |
| 50                                | DFT-s-OFDM 16QAM     | 135    | 135      | 23.60       | 23.43              | 23.55        | 23.40               | 23.48        | 24.50   |
| 50                                |                      | 270    | 0        | 23.70       | 23.39              | 23.70        | 23.62               | 23.49        |         |
| 50                                |                      | 1      | 1        | 22.04       | 22.15              | 22.09        | 22.51               | 22.25        | 23.50   |
| 50                                | DFT-s-OFDM 64QAM     | 1      | 1        | 20.67       | 20.76              | 20.66        | 20.83               | 20.51        | 21.50   |
| 50                                | DFT-s-OFDM 256QAM    | 1      | 1        | 18.71       | 18.93              | 18.81        | 18.74               | 18.50        | 19.50   |
| 50                                | CP-OFDM QPSK         | 1      | 1        | 22.62       | 22.78              | 22.71        | 22.87               | 22.62        | 23.50   |
| 50                                | CP-OFDM 16QAM        | 1      | 1        | 21.08       | 21.13              | 21.29        | 21.56               | 21.32        | 22.50   |
| 50                                | CP-OFDM 64QAM        | 1      | 1        | 19.90       | 20.14              | 20.11        | 20.08               | 19.83        | 21.00   |
| 50                                | CP-OFDM 256QAM       | 1      | 1        | 16.79       | 16.91              | 16.85        | 16.75               | 16.48        | 18.00   |
| Channel                           |                      |        |          | 648000      | 652000             | 656000       | 660000              | 664000       | Tune-up |
| Frequency (MHz)                   |                      |        |          | 3720        | 3780               | 3840         | 3900                | 3960         | limit   |
| 40                                | DFT-s-OFDM QPSK      | 1      | 1        | 22.79       | 22.88              | 22.87        | 23.13               | 22.90        | 24.50   |
| Channel                           |                      |        |          | 647334      | 651668             | 656000       | 660332              | 664666       | Tune-up |
| Frequency (MHz)                   |                      |        |          | 3710.01     | 3775.02            | 3840         | 3904.98             | 3969.99      | limit   |
| 20                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.06       | 23.14              | 23.30        | 23.26               | 23.46        | 24.50   |
| Channel                           |                      |        |          | 647168      | 651584             | 656000       | 660416              | 664832       | Tune-up |
| Frequency (MHz)                   |                      |        |          | 3707.52     | 3773.76            | 3840         | 3906.24             | 3972.48      | limit   |
| 15                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.08       | 23.13              | 23.32        | 23.19               | 23.54        | 24.50   |
| Channel                           |                      |        |          | 647000      | 651500             | 656000       | 660500              | 665000       | Tune-up |
| Frequency (MHz)                   |                      |        |          | 3705        | 3772.5             | 3840         | 3907.5              | 3975         | limit   |
| 10                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.13       | 23.18              | 23.43        | 23.22               | 23.64        | 24.50   |

| n77(3700-3980MHz) (PC2)_SCS 30KHz |                      |        |          |             |                    |                |              |              |         |
|-----------------------------------|----------------------|--------|----------|-------------|--------------------|----------------|--------------|--------------|---------|
| BW [MHz]                          | Modulation           | RB num | RB start | Low Channel | Low/Middle Channel | Middle Channel | High Channel | High Channel | Tune-up |
| Channel                           |                      |        |          | 650000      | 653000             | 656000         | 659000       | 662000       | limit   |
| Frequency (MHz)                   |                      |        |          | 3750        | 3795               | 3840           | 3885         | 3930         | (dBm)   |
| 100                               | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 22.46       | 22.59              | 22.58          | 22.82        | 22.22        | 24.50   |
| 100                               |                      | 1      | 136      | 23.46       | 23.44              | 23.66          | 23.48        | 22.94        |         |
| 100                               |                      | 1      | 271      | 22.73       | 22.87              | 22.77          | 22.71        | 22.63        |         |
| 100                               |                      | 135    | 1        | 23.45       | 23.19              | 23.24          | 23.29        | 23.36        | 24.50   |
| 100                               |                      | 135    | 67       | 23.43       | 23.48              | 23.66          | 23.62        | 23.49        |         |
| 100                               |                      | 135    | 136      | 23.15       | 23.26              | 23.21          | 23.29        | 23.59        |         |
| 100                               | DFT-s-OFDM QPSK      | 270    | 0        | 23.25       | 23.34              | 23.51          | 23.54        | 23.42        | 24.50   |
| 100                               |                      | 1      | 1        | 23.52       | 23.47              | 23.79          | 23.64        | 23.59        |         |
| 100                               |                      | 1      | 136      | 22.44       | 22.67              | 22.62          | 22.34        | 22.26        |         |
| 100                               |                      | 1      | 271      | 22.73       | 22.91              | 22.81          | 22.25        | 22.67        | 24.50   |
| 100                               |                      | 135    | 1        | 23.45       | 23.49              | 23.73          | 23.65        | 23.52        |         |
| 100                               |                      | 135    | 67       | 23.26       | 23.23              | 23.36          | 23.24        | 23.22        |         |
| 100                               | DFT-s-OFDM 16QAM     | 135    | 136      | 23.17       | 23.26              | 23.16          | 23.33        | 23.64        | 24.50   |
| 100                               |                      | 270    | 0        | 23.29       | 23.36              | 23.57          | 23.57        | 23.47        |         |
| 100                               | DFT-s-OFDM 64QAM     | 1      | 1        | 21.45       | 21.71              | 21.71          | 21.36        | 21.28        | 22.50   |
| 100                               | DFT-s-OFDM 256QAM    | 1      | 1        | 19.95       | 20.01              | 20.11          | 20.26        | 20.08        | 21.00   |
| 100                               | CP-OFDM QPSK         | 1      | 1        | 18.35       | 18.55              | 18.35          | 17.91        | 17.81        | 19.50   |
| 100                               | CP-OFDM 16QAM        | 1      | 1        | 21.88       | 22.08              | 22.13          | 21.78        | 21.68        | 23.00   |
| 100                               | CP-OFDM 64QAM        | 1      | 1        | 20.45       | 20.63              | 20.49          | 20.40        | 20.27        | 21.50   |
| 100                               | CP-OFDM 256QAM       | 1      | 1        | 19.23       | 19.46              | 19.49          | 19.22        | 19.13        | 20.00   |
| 100                               | CP-OFDM 256QAM       | 1      | 1        | 16.30       | 16.51              | 16.26          | 15.88        | 15.78        | 17.50   |
| Channel                           |                      |        |          | 649666      | 652834             | 656000         | 659166       | 662332       | Tune-up |
| Frequency (MHz)                   |                      |        |          | 3744.99     | 3792.51            | 3840           | 3887.49      | 3934.98      | limit   |
| 90                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.36       | 23.24              | 23.37          | 23.68        | 23.36        | 24.50   |
| Channel                           |                      |        |          | 649334      | 652668             | 656000         | 659332       | 662666       | Tune-up |
| Frequency (MHz)                   |                      |        |          | 3740.01     | 3790.02            | 3840           | 3889.98      | 3939.99      | limit   |
| 80                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.35       | 23.55              | 23.15          | 23.28        | 23.58        | 24.50   |
| Channel                           |                      |        |          | 649000      | 652500             | 656000         | 659500       | 663000       | Tune-up |
| Frequency (MHz)                   |                      |        |          | 3735        | 3787.5             | 3840           | 3892.5       | 3945         | limit   |
| 70                                | DFT-s-OFDM QPSK      | 1      | 1        | 22.90       | 23.06              | 23.10          | 23.02        | 23.39        | 24.50   |
| Channel                           |                      |        |          | 648668      | 652334             | 656000         | 659666       | 663332       | Tune-up |
| Frequency (MHz)                   |                      |        |          | 3730.02     | 3785.01            | 3840           | 3894.99      | 3949.98      | limit   |
| 60                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.19       | 23.04              | 23.07          | 22.99        | 22.91        | 24.50   |
| Channel                           |                      |        |          | 648334      | 652168             | 656000         | 659832       | 663666       | Tune-up |
| Frequency (MHz)                   |                      |        |          | 3725.01     | 3782.52            | 3840           | 3894.99      | 3954.99      | limit   |
| 50                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.15       | 23.24              | 23.27          | 23.27        | 23.20        | 24.50   |
| Channel                           |                      |        |          | 648000      | 652000             | 656000         | 660000       | 664000       | Tune-up |
| Frequency (MHz)                   |                      |        |          | 3720        | 3780               | 3840           | 3900         | 3960         | limit   |
| 40                                | DFT-s-OFDM QPSK      | 1      | 1        | 22.85       | 22.96              | 23.01          | 23.03        | 23.07        | 24.50   |
| Channel                           |                      |        |          | 647334      | 651668             | 656000         | 660332       | 664666       | Tune-up |
| Frequency (MHz)                   |                      |        |          | 3710.01     | 3775.02            | 3840           | 3904.98      | 3969.98      | limit   |
| 20                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.11       | 23.18              | 23.34          | 23.29        | 23.48        | 24.50   |
| Channel                           |                      |        |          | 647168      | 651584             | 656000         | 660416       | 664832       | Tune-up |
| Frequency (MHz)                   |                      |        |          | 3707.52     | 3773.76            | 3840           | 3906.24      | 3972.48      | limit   |
| 15                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.17       | 23.24              | 23.43          | 23.30        | 23.65        | 24.50   |
| Channel                           |                      |        |          | 647000      | 651500             | 656000         | 660500       | 665000       | Tune-up |
| Frequency (MHz)                   |                      |        |          | 3705        | 3772.5             | 3840           | 3907.5       | 3975         | limit   |
| 10                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.23       | 23.31              | 23.54          | 23.36        | 23.57        | 24.50   |

| n78(3450-3550MHz) (PC2)_SCS 15KHz |                      |  |                  |          |             |                    |                |                     |              |         |
|-----------------------------------|----------------------|--|------------------|----------|-------------|--------------------|----------------|---------------------|--------------|---------|
| BW [MHz]                          | Modulation           |  | RB num           | RB start | Low Channel | Low/Middle Channel | Middle Channel | Middle/High Channel | High Channel | Tune-up |
| Channel                           |                      |  |                  |          | 631668      | 632500             | 633334         | 634166              | 635000       | limit   |
| Frequency (MHz)                   |                      |  |                  |          | 3475.02     | 3487.5             | 3500.01        | 3512.49             | 3525         | (dBm)   |
| 50                                | DFT-s-OFDM PI/2 BPSK |  | 1                | 1        | 23.31       | 23.18              | 23.04          | 22.94               | 22.89        | 24.00   |
| 50                                |                      |  | 1                | 135      | 23.19       | 23.15              | 23.10          | 22.89               | 22.78        |         |
| 50                                |                      |  | 1                | 268      | 22.97       | 22.86              | 22.65          | 22.74               | 22.99        |         |
| 50                                |                      |  | 135              | 1        | 23.26       | 23.12              | 23.06          | 23.01               | 22.83        | 24.00   |
| 50                                |                      |  | 135              | 67       | 23.28       | 23.17              | 23.15          | 22.97               | 22.85        |         |
| 50                                |                      |  | 135              | 135      | 23.18       | 23.15              | 22.93          | 22.80               | 22.88        |         |
| 50                                | DFT-s-OFDM QPSK      |  | 270              | 0        | 23.15       | 23.13              | 23.08          | 22.87               | 22.79        | 24.00   |
| 50                                |                      |  | 1                | 1        | 23.33       | 23.21              | 23.40          | 23.19               | 23.33        |         |
| 50                                |                      |  | 1                | 135      | 23.23       | 23.18              | 23.14          | 23.05               | 22.82        |         |
| 50                                |                      |  | 1                | 268      | 23.04       | 22.84              | 22.73          | 22.83               | 23.02        | 24.00   |
| 50                                |                      |  | 135              | 1        | 23.31       | 23.15              | 23.05          | 23.00               | 22.86        |         |
| 50                                |                      |  | 135              | 67       | 23.27       | 23.20              | 23.16          | 22.97               | 22.81        |         |
| 50                                |                      |  | 135              | 135      | 23.18       | 23.20              | 22.98          | 22.83               | 22.89        | 24.00   |
| 50                                |                      |  | 270              | 0        | 23.17       | 23.14              | 23.06          | 22.88               | 22.84        |         |
| 50                                |                      |  | DFT-s-OFDM 16QAM |          | 1           | 1                  | 22.25          | 22.16               | 22.01        |         |
| 50                                | DFT-s-OFDM 64QAM     |  | 1                | 1        | 20.77       | 20.75              | 20.45          | 20.40               | 20.38        | 21.50   |
| 50                                | DFT-s-OFDM 256QAM    |  | 1                | 1        | 19.14       | 19.03              | 18.76          | 18.63               | 18.78        | 20.00   |
| 50                                | CP-OFDM QPSK         |  | 1                | 1        | 22.73       | 22.45              | 22.49          | 22.50               | 22.36        | 23.00   |
| 50                                | CP-OFDM 16QAM        |  | 1                | 1        | 21.50       | 20.96              | 21.24          | 21.12               | 21.12        | 22.00   |
| 50                                | CP-OFDM 64QAM        |  | 1                | 1        | 20.03       | 19.88              | 19.70          | 19.60               | 19.63        | 21.00   |
| 50                                | CP-OFDM 256QAM       |  | 1                | 1        | 16.93       | 16.81              | 16.64          | 16.55               | 16.53        | 18.00   |
| Channel                           |                      |  |                  |          | 631334      | 636672             | 633334         | 634334              | 635332       | Tune-up |
| Frequency (MHz)                   |                      |  |                  |          | 3470.01     | 3485.01            | 3500.01        | 3515.01             | 3529.98      | limit   |
| 40                                | DFT-s-OFDM QPSK      |  | 1                | 1        | 23.02       | 22.41              | 22.71          | 22.65               | 22.54        | 24.00   |
| Channel                           |                      |  |                  |          | 630668      | 632000             | 633334         | 634668              | 636000       | Tune-up |
| Frequency (MHz)                   |                      |  |                  |          | 3460.02     | 3480               | 3500.01        | 3520.02             | 3540         | limit   |
| 20                                | DFT-s-OFDM QPSK      |  | 1                | 1        | 23.54       | 23.32              | 23.06          | 22.90               | 22.73        | 24.00   |
| Channel                           |                      |  |                  |          | 630500      | 631916             | 633334         | 634750              | 636166       | Tune-up |
| Frequency (MHz)                   |                      |  |                  |          | 3457.5      | 3478.74            | 3500.01        | 3521.25             | 3542.49      | limit   |
| 15                                | DFT-s-OFDM QPSK      |  | 1                | 1        | 23.50       | 23.31              | 23.13          | 22.80               | 22.87        | 24.00   |
| Channel                           |                      |  |                  |          | 630334      | 631834             | 633334         | 634834              | 636332       | Tune-up |
| Frequency (MHz)                   |                      |  |                  |          | 3455.01     | 3477.51            | 3500.01        | 3522.51             | 3544.98      | limit   |
| 10                                | DFT-s-OFDM QPSK      |  | 1                | 1        | 23.31       | 23.35              | 23.23          | 22.72               | 22.93        | 24.00   |

| n78(3450-3550MHz) (PC2)_SCS 30KHz |                      |        |          |             |                    |             |                  |              |                     |
|-----------------------------------|----------------------|--------|----------|-------------|--------------------|-------------|------------------|--------------|---------------------|
| BW [MHz]                          | Modulation           | RB num | RB start | Low Channel | Low/Middle Channel | Low Channel | Low/High Channel | High Channel | Tune-up limit (dBm) |
| Channel                           |                      |        |          |             |                    | 633334      |                  |              |                     |
| Frequency (MHz)                   |                      |        |          |             |                    | 3500.01     |                  |              |                     |
| 100                               | DFT-s-OFDM PI/2 BPSK | 1      | 1        |             |                    | 22.69       |                  |              | 24.50               |
| 100                               |                      | 1      | 136      |             |                    | 23.15       |                  |              |                     |
| 100                               |                      | 1      | 271      |             |                    | 22.49       |                  |              |                     |
| 100                               |                      | 135    | 1        |             |                    | 23.12       |                  |              | 24.00               |
| 100                               |                      | 135    | 67       |             |                    | 22.96       |                  |              |                     |
| 100                               |                      | 135    | 136      |             |                    | 22.69       |                  |              |                     |
| 100                               |                      | 270    | 0        |             |                    | 22.95       |                  |              |                     |
| 100                               | DFT-s-OFDM QPSK      | 1      | 1        |             |                    | 23.54       |                  |              | 24.50               |
| 100                               |                      | 1      | 136      |             |                    | 23.15       |                  |              |                     |
| 100                               |                      | 1      | 271      |             |                    | 23.06       |                  |              |                     |
| 100                               |                      | 135    | 1        |             |                    | 23.17       |                  |              | 24.00               |
| 100                               |                      | 135    | 67       |             |                    | 23.03       |                  |              |                     |
| 100                               |                      | 135    | 136      |             |                    | 22.77       |                  |              |                     |
| 100                               |                      | 270    | 0        |             |                    | 23.01       |                  |              |                     |
| 100                               | DFT-s-OFDM 16QAM     | 1      | 1        |             |                    | 21.86       |                  |              | 23.00               |
| 100                               | DFT-s-OFDM 64QAM     | 1      | 1        |             |                    | 20.18       |                  |              | 21.00               |
| 100                               | DFT-s-OFDM 256QAM    | 1      | 1        |             |                    | 18.51       |                  |              | 19.50               |
| 100                               | CP-OFDM QPSK         | 1      | 1        |             |                    | 22.19       |                  |              | 23.00               |
| 100                               | CP-OFDM 16QAM        | 1      | 1        |             |                    | 20.81       |                  |              | 21.50               |
| 100                               | CP-OFDM 64QAM        | 1      | 1        |             |                    | 19.61       |                  |              | 20.50               |
| 100                               | CP-OFDM 256QAM       | 1      | 1        |             |                    | 16.37       |                  |              | 17.50               |
| Channel                           |                      |        |          | 633000      | 633166             | 633334      | 633500           | 633666       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3495        | 3497.49            | 3500.01     | 3502.5           | 3504.99      |                     |
| 90                                | DFT-s-OFDM QPSK      | 1      | 1        | 22.88       | 22.83              | 22.74       | 22.75            | 22.65        | 24.50               |
| Channel                           |                      |        |          | 632668      | 633000             | 633334      | 633666           | 634000       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3490.02     | 3450               | 3500.01     | 3504.99          | 3510         |                     |
| 80                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.08       | 22.95              | 22.93       | 22.84            | 22.80        | 24.50               |
| Channel                           |                      |        |          | 632334      | 632634             | 633334      | 633832           | 634332       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3485.01     | 3492.51            | 3500.01     | 3507.48          | 3514.98      |                     |
| 70                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.21       | 23.13              | 23.00       | 22.94            | 22.85        | 24.50               |
| Channel                           |                      |        |          | 632000      | 632666             | 633334      | 634000           | 634666       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3480        | 3489.99            | 3500.01     | 3510             | 3519.99      |                     |
| 60                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.06       | 23.01              | 22.89       | 22.77            | 22.79        | 24.50               |
| Channel                           |                      |        |          | 631668      | 632500             | 633334      | 634166           | 635000       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3475.02     | 3487.5             | 3500.01     | 3512.49          | 3525         |                     |
| 50                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.33       | 23.15              | 23.01       | 22.99            | 22.89        | 24.50               |
| Channel                           |                      |        |          | 631334      | 636672             | 633334      | 634334           | 635332       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3470.01     | 3485.01            | 3500.01     | 3515.01          | 3529.98      |                     |
| 40                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.12       | 22.38              | 22.79       | 22.70            | 22.50        | 24.50               |
| Channel                           |                      |        |          | 630668      | 632000             | 633334      | 634668           | 636000       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3460.02     | 3480               | 3500.01     | 3520.02          | 3540         |                     |
| 20                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.44       | 23.25              | 23.06       | 22.90            | 22.73        | 24.50               |
| Channel                           |                      |        |          | 630500      | 631916             | 633334      | 634750           | 636166       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3457.5      | 3478.74            | 3500.01     | 3521.25          | 3542.49      |                     |
| 15                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.53       | 23.36              | 23.20       | 22.82            | 22.83        | 24.50               |
| Channel                           |                      |        |          | 630334      | 631834             | 633334      | 634834           | 636332       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3455.01     | 3477.51            | 3500.01     | 3522.51          | 3544.98      |                     |
| 10                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.30       | 23.29              | 23.12       | 22.85            | 23.00        | 24.50               |

| n78(3700-3800MHz) (PC2)_SCS 15KHz |                      |        |          |             |                    |              |                     |              |         |
|-----------------------------------|----------------------|--------|----------|-------------|--------------------|--------------|---------------------|--------------|---------|
| BW [MHz]                          | Modulation           | RB num | RB start | Low Channel | Low/Middle Channel | High Channel | High/Middle Channel | High Channel | Tune-up |
| Channel                           |                      |        |          | 648334      | 649166             | 650000       | 650834              | 651666       | limit   |
| Frequency (MHz)                   |                      |        |          | 3725.01     | 3737.49            | 3750         | 3762.51             | 3774.99      | (dBm)   |
| 50                                | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 23.06       | 23.30              | 23.44        | 23.33               | 23.22        | 24.50   |
| 50                                |                      | 1      | 135      | 23.62       | 23.54              | 23.38        | 23.35               | 23.28        |         |
| 50                                |                      | 1      | 268      | 23.25       | 23.21              | 23.13        | 23.17               | 23.27        |         |
| 50                                |                      | 135    | 1        | 23.42       | 23.62              | 23.50        | 23.43               | 23.32        | 24.50   |
| 50                                |                      | 135    | 67       | 23.68       | 23.58              | 23.45        | 23.36               | 23.33        |         |
| 50                                |                      | 135    | 135      | 23.49       | 23.37              | 23.30        | 23.27               | 23.29        |         |
| 50                                | DFT-s-OFDM QPSK      | 270    | 0        | 23.63       | 23.49              | 23.39        | 23.36               | 23.29        | 24.50   |
| 50                                |                      | 1      | 1        | 23.59       | 23.50              | 23.72        | 23.61               | 23.63        |         |
| 50                                |                      | 1      | 135      | 23.15       | 23.58              | 23.43        | 23.34               | 23.31        |         |
| 50                                |                      | 1      | 268      | 23.30       | 23.22              | 23.20        | 23.19               | 23.30        | 24.50   |
| 50                                |                      | 135    | 1        | 23.54       | 23.62              | 23.70        | 23.59               | 23.52        |         |
| 50                                |                      | 135    | 67       | 23.37       | 23.60              | 23.51        | 23.41               | 23.38        |         |
| 50                                | DFT-s-OFDM 16QAM     | 135    | 135      | 23.58       | 23.40              | 23.33        | 23.30               | 23.31        | 24.50   |
| 50                                |                      | 270    | 0        | 23.62       | 23.51              | 23.44        | 23.40               | 23.30        |         |
| 50                                |                      | 1      | 1        | 22.17       | 22.56              | 22.85        | 22.62               | 22.49        | 23.50   |
| 50                                | DFT-s-OFDM 64QAM     | 1      | 1        | 20.44       | 20.64              | 20.90        | 20.69               | 20.59        | 22.50   |
| 50                                | DFT-s-OFDM 256QAM    | 1      | 1        | 18.78       | 18.95              | 19.17        | 19.01               | 18.90        | 19.50   |
| 50                                | CP-OFDM QPSK         | 1      | 1        | 22.45       | 22.63              | 22.77        | 22.64               | 23.19        | 25.00   |
| 50                                | CP-OFDM 16QAM        | 1      | 1        | 21.33       | 21.18              | 21.32        | 21.25               | 21.11        | 24.00   |
| 50                                | CP-OFDM 64QAM        | 1      | 1        | 19.59       | 20.05              | 20.17        | 20.12               | 19.98        | 23.00   |
| 50                                | CP-OFDM 256QAM       | 1      | 1        | 16.66       | 16.89              | 17.12        | 16.98               | 16.86        | 19.00   |
| Channel                           |                      |        |          | 648000      | 649000             | 650000       | 651000              | 652000       | Tune-up |
| Frequency (MHz)                   |                      |        |          | 3720        | 3735               | 3750         | 3765                | 3780         | limit   |
| 40                                | DFT-s-OFDM QPSK      | 1      | 1        | 22.81       | 23.04              | 23.15        | 22.97               | 22.83        | 24.50   |
| Channel                           |                      |        |          | 647334      | 648666             | 650000       | 651334              | 652666       | Tune-up |
| Frequency (MHz)                   |                      |        |          | 3710.01     | 3729.99            | 3750         | 3770.01             | 3789.99      | limit   |
| 20                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.22       | 23.57              | 23.44        | 23.32               | 23.22        | 24.50   |
| Channel                           |                      |        |          | 647168      | 648584             | 650000       | 651416              | 652832       | Tune-up |
| Frequency (MHz)                   |                      |        |          | 3707.52     | 3728.76            | 3750         | 3771.24             | 3792.48      | limit   |
| 15                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.24       | 23.55              | 23.39        | 23.32               | 23.22        | 24.50   |
| Channel                           |                      |        |          | 647000      | 648500             | 650000       | 651500              | 653000       | Tune-up |
| Frequency (MHz)                   |                      |        |          | 3705        | 3727.5             | 3750         | 3772.5              | 3795         | limit   |
| 10                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.22       | 23.68              | 23.42        | 23.29               | 23.28        | 24.50   |

| n78(3700-3800MHz) (PC2)_SCS 30KHz |                      |        |          |             |                    |              |                     |              |                     |
|-----------------------------------|----------------------|--------|----------|-------------|--------------------|--------------|---------------------|--------------|---------------------|
| BW [MHz]                          | Modulation           | RB num | RB start | Low Channel | Low/Middle Channel | High Channel | High/Middle Channel | High Channel | Tune-up limit (dBm) |
| Channel                           |                      |        |          |             |                    | 650000       |                     |              |                     |
| Frequency (MHz)                   |                      |        |          |             |                    | 3750         |                     |              |                     |
| 100                               | DFT-s-OFDM PI/2 BPSK | 1      | 1        |             |                    | 22.50        |                     |              | 24.50               |
| 100                               |                      | 1      | 136      |             |                    | 23.50        |                     |              |                     |
| 100                               |                      | 1      | 271      |             |                    | 22.75        |                     |              |                     |
| 100                               |                      | 135    | 1        |             |                    | 23.50        |                     |              | 24.50               |
| 100                               |                      | 135    | 67       |             |                    | 23.50        |                     |              |                     |
| 100                               |                      | 135    | 136      |             |                    | 23.20        |                     |              |                     |
| 100                               | DFT-s-OFDM QPSK      | 270    | 0        |             |                    | 23.32        |                     |              | 24.50               |
| 100                               |                      | 1      | 1        |             |                    | 23.73        |                     |              |                     |
| 100                               |                      | 1      | 136      |             |                    | 23.48        |                     |              |                     |
| 100                               |                      | 1      | 271      |             |                    | 22.75        |                     |              | 24.50               |
| 100                               |                      | 135    | 1        |             |                    | 23.59        |                     |              |                     |
| 100                               |                      | 135    | 67       |             |                    | 23.52        |                     |              |                     |
| 100                               | DFT-s-OFDM 16QAM     | 135    | 136      |             |                    | 23.24        |                     |              | 24.50               |
| 100                               |                      | 270    | 0        |             |                    | 23.33        |                     |              |                     |
| 100                               |                      | 1      | 1        |             |                    | 21.61        |                     |              |                     |
| 100                               |                      | 1      | 1        |             |                    | 19.84        |                     |              |                     |
| 100                               | DFT-s-OFDM 64QAM     | 1      | 1        |             |                    | 18.26        |                     |              | 23.50               |
| 100                               | DFT-s-OFDM 256QAM    | 1      | 1        |             |                    | 22.04        |                     |              | 22.50               |
| 100                               | CP-OFDM QPSK         | 1      | 1        |             |                    | 20.54        |                     |              | 19.50               |
| 100                               | CP-OFDM 16QAM        | 1      | 1        |             |                    | 19.45        |                     |              | 25.00               |
| 100                               | CP-OFDM 64QAM        | 1      | 1        |             |                    | 16.16        |                     |              | 24.00               |
| 100                               | CP-OFDM 256QAM       | 1      | 1        |             |                    |              |                     |              | 23.00               |
| 100                               | CP-OFDM 256QAM       | 1      | 1        |             |                    |              |                     |              | 19.00               |
| Channel                           |                      |        |          | 649668      | 649834             | 650000       | 650166              | 650332       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3745.02     | 3747.51            | 3750         | 3752.49             | 3754.98      |                     |
| 90                                | DFT-s-OFDM QPSK      | 1      | 1        | 22.63       | 22.65              | 22.68        | 22.73               | 22.78        | 24.50               |
| Channel                           |                      |        |          | 649334      | 649666             | 650000       | 650334              | 650666       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3740.01     | 3744.99            | 3750         | 3755.01             | 3759.99      |                     |
| 80                                | DFT-s-OFDM QPSK      | 1      | 1        | 22.91       | 22.94              | 23.01        | 23.10               | 23.16        | 24.50               |
| Channel                           |                      |        |          | 649000      | 649500             | 650000       | 650500              | 651000       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3735        | 3742.5             | 3750         | 3757.5              | 3765         |                     |
| 70                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.01       | 23.18              | 23.25        | 23.35               | 23.39        | 24.50               |
| Channel                           |                      |        |          | 648668      | 649334             | 650000       | 650666              | 651332       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3730.02     | 3740.01            | 3750         | 3759.99             | 3769.98      |                     |
| 60                                | DFT-s-OFDM QPSK      | 1      | 1        | 22.86       | 23.02              | 23.15        | 23.19               | 23.18        | 24.50               |
| Channel                           |                      |        |          | 648334      | 649166             | 650000       | 650834              | 651666       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3725.01     | 3737.49            | 3750         | 3762.51             | 3774.99      |                     |
| 50                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.05       | 23.29              | 23.42        | 23.31               | 23.19        | 24.50               |
| Channel                           |                      |        |          | 648000      | 649000             | 650000       | 651000              | 652000       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3720        | 3735               | 3750         | 3765                | 3780         |                     |
| 40                                | DFT-s-OFDM QPSK      | 1      | 1        | 22.80       | 23.08              | 23.17        | 22.99               | 22.96        | 24.50               |
| Channel                           |                      |        |          | 647334      | 648666             | 650000       | 651334              | 652666       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3710.01     | 3729.99            | 3750         | 3770.01             | 3789.99      |                     |
| 20                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.20       | 23.65              | 23.43        | 23.29               | 23.21        | 24.50               |
| Channel                           |                      |        |          | 647168      | 648584             | 650000       | 651416              | 652832       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3707.52     | 3728.76            | 3750         | 3771.24             | 3792.48      |                     |
| 15                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.32       | 23.63              | 23.48        | 23.36               | 23.32        | 24.50               |
| Channel                           |                      |        |          | 647000      | 648500             | 650000       | 651500              | 653000       | Tune-up limit       |
| Frequency (MHz)                   |                      |        |          | 3705        | 3727.5             | 3750         | 3772.5              | 3795         |                     |
| 10                                | DFT-s-OFDM QPSK      | 1      | 1        | 23.31       | 23.52              | 23.50        | 23.42               | 23.41        | 24.50               |



Reduced Power

| Band 41 (2496~2690MHz) (dBm) |            |         |           |             |                    |                |                     |              |                     |  |
|------------------------------|------------|---------|-----------|-------------|--------------------|----------------|---------------------|--------------|---------------------|--|
| BW [MHz]                     | Modulation | RB Size | RB Offset | Low Channel | Middle Low Channel | Middle Channel | Middle High Channel | High Channel | Tune-up limit (dBm) |  |
| Channel                      |            |         |           | 39750       | 40185              | 40620          | 41055               | 41490        |                     |  |
| Frequency (MHz)              |            |         |           | 2506        | 2549.5             | 2593           | 2636.5              | 2680         |                     |  |
| 20                           | QPSK       | 1       | 0         | 20.53       | 20.50              | 20.57          | 20.49               | 20.48        | 21.5                |  |
| 20                           | QPSK       | 1       | 49        | 20.38       | 20.36              | 20.50          | 20.31               | 20.48        |                     |  |
| 20                           | QPSK       | 1       | 99        | 20.41       | 20.51              | 20.54          | 20.37               | 20.38        |                     |  |
| 20                           | QPSK       | 50      | 0         | 19.60       | 19.59              | 19.61          | 19.54               | 19.55        |                     |  |
| 20                           | QPSK       | 50      | 24        | 19.41       | 19.39              | 19.61          | 19.40               | 19.46        | 20.5                |  |
| 20                           | QPSK       | 50      | 50        | 19.54       | 19.34              | 19.57          | 19.39               | 19.53        |                     |  |
| 20                           | QPSK       | 100     | 0         | 19.46       | 19.48              | 19.54          | 19.58               | 19.35        |                     |  |
| 20                           | 16QAM      | 1       | 0         | 19.52       | 19.50              | 19.69          | 19.70               | 19.65        |                     |  |
| 20                           | 16QAM      | 1       | 49        | 19.63       | 19.49              | 19.54          | 19.76               | 19.51        | 20.5                |  |
| 20                           | 16QAM      | 1       | 99        | 19.48       | 19.47              | 19.59          | 19.60               | 19.67        |                     |  |
| 20                           | 16QAM      | 50      | 0         | 18.53       | 18.47              | 18.67          | 18.60               | 18.63        |                     |  |
| 20                           | 16QAM      | 50      | 24        | 18.38       | 18.39              | 18.55          | 18.62               | 18.58        |                     |  |
| 20                           | 16QAM      | 50      | 50        | 18.52       | 18.36              | 18.59          | 18.49               | 18.50        | 19.5                |  |
| 20                           | 16QAM      | 100     | 0         | 18.58       | 18.41              | 18.41          | 18.44               | 18.43        |                     |  |
| 20                           | 64QAM      | 1       | 0         | 18.63       | 18.54              | 18.71          | 18.56               | 18.63        |                     |  |
| 20                           | 64QAM      | 1       | 49        | 18.57       | 18.49              | 18.56          | 18.38               | 18.58        |                     |  |
| 20                           | 64QAM      | 1       | 99        | 18.42       | 18.55              | 18.39          | 18.46               | 18.49        | 19.5                |  |
| 20                           | 64QAM      | 50      | 0         | 17.42       | 17.49              | 17.68          | 17.57               | 17.56        |                     |  |
| 20                           | 64QAM      | 50      | 24        | 17.34       | 17.50              | 17.54          | 17.45               | 17.56        |                     |  |
| 20                           | 64QAM      | 50      | 50        | 17.55       | 17.47              | 17.45          | 17.45               | 17.51        |                     |  |
| 20                           | 64QAM      | 100     | 0         | 17.34       | 17.31              | 17.44          | 17.32               | 17.33        | 18.5                |  |
| 20                           | 256QAM     | 1       | 0         | 15.32       | 15.44              | 15.54          | 15.30               | 15.37        |                     |  |
| 20                           | 256QAM     | 1       | 49        | 15.28       | 15.38              | 15.44          | 15.44               | 15.33        |                     |  |
| 20                           | 256QAM     | 1       | 99        | 15.36       | 15.49              | 15.32          | 15.27               | 15.26        |                     |  |
| 20                           | 256QAM     | 50      | 0         | 14.26       | 14.33              | 14.61          | 14.39               | 14.36        | 16.5                |  |
| 20                           | 256QAM     | 50      | 24        | 14.37       | 14.29              | 14.39          | 14.52               | 14.44        |                     |  |
| 20                           | 256QAM     | 50      | 50        | 14.36       | 14.51              | 14.48          | 14.25               | 14.27        |                     |  |
| 20                           | 256QAM     | 100     | 0         | 14.35       | 14.40              | 14.48          | 14.36               | 14.26        |                     |  |
| Channel                      |            |         |           | 39725       | 40173              | 40620          | 41088               | 41515        | Tune-up limit (dBm) |  |
| Frequency (MHz)              |            |         |           | 2503.5      | 2546.3             | 2593           | 2637.5              | 2682.5       |                     |  |
| 15                           | QPSK       | 1       | 0         | 20.41       | 20.38              | 20.45          | 20.37               | 20.36        | 21.5                |  |
| 15                           | QPSK       | 1       | 37        | 20.26       | 20.24              | 20.38          | 20.19               | 20.36        |                     |  |
| 15                           | QPSK       | 1       | 74        | 20.29       | 20.29              | 20.42          | 20.25               | 20.26        |                     |  |
| 15                           | QPSK       | 36      | 0         | 19.48       | 19.47              | 19.49          | 19.42               | 19.43        |                     |  |
| 15                           | QPSK       | 36      | 20        | 19.29       | 19.27              | 19.49          | 19.28               | 19.34        | 20.5                |  |
| 15                           | QPSK       | 36      | 39        | 19.42       | 19.22              | 19.45          | 19.27               | 19.41        |                     |  |
| 15                           | QPSK       | 75      | 0         | 19.34       | 19.36              | 19.42          | 19.46               | 19.23        |                     |  |
| 15                           | 16QAM      | 1       | 0         | 19.40       | 19.38              | 19.57          | 19.58               | 19.53        |                     |  |
| 15                           | 16QAM      | 1       | 37        | 19.51       | 19.37              | 19.42          | 19.64               | 19.39        | 20.5                |  |
| 15                           | 16QAM      | 1       | 74        | 19.36       | 19.35              | 19.47          | 19.48               | 19.55        |                     |  |
| 15                           | 16QAM      | 36      | 0         | 18.41       | 18.35              | 18.55          | 18.48               | 18.51        |                     |  |
| 15                           | 16QAM      | 36      | 20        | 18.26       | 18.27              | 18.43          | 18.50               | 18.46        |                     |  |
| 15                           | 16QAM      | 36      | 39        | 18.40       | 18.24              | 18.47          | 18.37               | 18.38        | 19.5                |  |
| 15                           | 16QAM      | 75      | 0         | 18.46       | 18.29              | 18.29          | 18.32               | 18.31        |                     |  |
| 15                           | 64QAM      | 1       | 0         | 18.51       | 18.42              | 18.59          | 18.44               | 18.51        |                     |  |
| 15                           | 64QAM      | 1       | 37        | 18.45       | 18.37              | 18.44          | 18.26               | 18.46        |                     |  |
| 15                           | 64QAM      | 1       | 74        | 18.30       | 18.43              | 18.27          | 18.34               | 18.37        | 18.5                |  |
| 15                           | 64QAM      | 36      | 0         | 17.30       | 17.37              | 17.56          | 17.45               | 17.44        |                     |  |
| 15                           | 64QAM      | 36      | 20        | 17.22       | 17.36              | 17.42          | 17.33               | 17.44        |                     |  |
| 15                           | 64QAM      | 36      | 39        | 17.43       | 17.35              | 17.33          | 17.33               | 17.39        |                     |  |
| 15                           | 64QAM      | 75      | 0         | 17.22       | 17.19              | 17.32          | 17.20               | 17.21        | 16.5                |  |
| 15                           | 256QAM     | 1       | 0         | 15.20       | 15.32              | 15.42          | 15.18               | 15.25        |                     |  |
| 15                           | 256QAM     | 1       | 37        | 15.16       | 15.26              | 15.32          | 15.32               | 15.21        |                     |  |
| 15                           | 256QAM     | 1       | 74        | 15.24       | 15.37              | 15.20          | 15.15               | 15.14        |                     |  |
| 15                           | 256QAM     | 36      | 0         | 14.14       | 14.21              | 14.49          | 14.27               | 14.24        | 15.5                |  |
| 15                           | 256QAM     | 36      | 20        | 14.25       | 14.17              | 14.27          | 14.40               | 14.32        |                     |  |
| 15                           | 256QAM     | 36      | 39        | 14.24       | 14.39              | 14.36          | 14.13               | 14.15        |                     |  |
| 15                           | 256QAM     | 75      | 0         | 14.23       | 14.28              | 14.36          | 14.24               | 14.14        |                     |  |
| Channel                      |            |         |           | 39700       | 40160              | 40620          | 41080               | 41540        | Tune-up limit (dBm) |  |
| Frequency (MHz)              |            |         |           | 2501        | 2547               | 2593           | 2639                | 2685         |                     |  |
| 10                           | QPSK       | 1       | 0         | 20.33       | 20.30              | 20.37          | 20.29               | 20.28        | 21.5                |  |
| 10                           | QPSK       | 1       | 25        | 20.18       | 20.16              | 20.30          | 20.11               | 20.28        |                     |  |
| 10                           | QPSK       | 1       | 49        | 20.21       | 20.31              | 20.34          | 20.17               | 20.18        |                     |  |
| 10                           | QPSK       | 25      | 0         | 19.40       | 19.39              | 19.41          | 19.34               | 19.35        |                     |  |
| 10                           | QPSK       | 25      | 12        | 19.21       | 19.19              | 19.41          | 19.20               | 19.26        | 20.5                |  |
| 10                           | QPSK       | 25      | 25        | 19.34       | 19.14              | 19.37          | 19.19               | 19.33        |                     |  |
| 10                           | QPSK       | 50      | 0         | 19.26       | 19.28              | 19.34          | 19.38               | 19.15        |                     |  |
| 10                           | 16QAM      | 1       | 0         | 19.32       | 19.30              | 19.49          | 19.50               | 19.45        |                     |  |
| 10                           | 16QAM      | 1       | 25        | 19.43       | 19.29              | 19.34          | 19.56               | 19.31        | 20.5                |  |
| 10                           | 16QAM      | 1       | 49        | 19.28       | 19.27              | 19.39          | 19.40               | 19.47        |                     |  |
| 10                           | 16QAM      | 25      | 0         | 18.33       | 18.27              | 18.47          | 18.40               | 18.43        |                     |  |
| 10                           | 16QAM      | 25      | 12        | 18.18       | 18.19              | 18.35          | 18.42               | 18.38        |                     |  |
| 10                           | 16QAM      | 25      | 25        | 18.32       | 18.16              | 18.39          | 18.29               | 18.30        | 19.5                |  |
| 10                           | 16QAM      | 50      | 0         | 18.38       | 18.21              | 18.21          | 18.24               | 18.23        |                     |  |
| 10                           | 64QAM      | 1       | 0         | 18.43       | 18.34              | 18.51          | 18.36               | 18.43        |                     |  |
| 10                           | 64QAM      | 1       | 25        | 18.37       | 18.29              | 18.36          | 18.18               | 18.38        |                     |  |
| 10                           | 64QAM      | 1       | 49        | 18.22       | 18.35              | 18.19          | 18.26               | 18.29        | 18.5                |  |
| 10                           | 64QAM      | 25      | 0         | 17.22       | 17.29              | 17.48          | 17.37               | 17.36        |                     |  |
| 10                           | 64QAM      | 25      | 12        | 17.14       | 17.30              | 17.34          | 17.25               | 17.36        |                     |  |
| 10                           | 64QAM      | 25      | 25        | 17.35       | 17.27              | 17.25          | 17.25               | 17.31        |                     |  |
| 10                           | 64QAM      | 50      | 0         | 17.14       | 17.11              | 17.24          | 17.12               | 17.13        | 16.5                |  |
| 10                           | 256QAM     | 1       | 0         | 15.12       | 15.24              | 15.34          | 15.10               | 15.17        |                     |  |
| 10                           | 256QAM     | 1       | 25        | 15.08       | 15.18              | 15.24          | 15.24               | 15.13        |                     |  |
| 10                           | 256QAM     | 1       | 49        | 15.16       | 15.29              | 15.12          | 15.07               | 15.06        |                     |  |
| 10                           | 256QAM     | 25      | 0         | 14.06       | 14.13              | 14.41          | 14.19               | 14.16        | 15.5                |  |
| 10                           | 256QAM     | 25      | 12        | 14.17       | 14.09              | 14.19          | 14.32               | 14.24        |                     |  |
| 10                           | 256QAM     | 25      | 25        | 14.16       | 14.31              | 14.28          | 14.05               | 14.07        |                     |  |
| 10                           | 256QAM     | 50      | 0         | 14.15       | 14.20              | 14.28          | 14.16               | 14.06        |                     |  |
| Channel                      |            |         |           | 39675       | 40148              | 40620          | 41093               | 41565        | Tune-up limit (dBm) |  |
| Frequency (MHz)              |            |         |           | 2498.5      | 2545.8             | 2593           | 2640.3              | 2687.5       |                     |  |
| 5                            | QPSK       | 1       | 0         | 20.26       | 20.23              | 20.30          | 20.22               | 20.21        | 21.5                |  |
| 5                            | QPSK       | 1       | 12        | 20.11       | 20.09              | 20.23          | 20.04               | 20.21        |                     |  |
| 5                            | QPSK       | 1       | 24        | 20.14       | 20.24              | 20.27          | 20.10               | 20.11        |                     |  |
| 5                            | QPSK       | 12      | 0         | 19.33       | 19.32              | 19.34          | 19.27               | 19.28        |                     |  |
| 5                            | QPSK       | 12      | 7         | 19.14       | 19.12              | 19.34          | 19.13               | 19.19        | 20.5                |  |
| 5                            | QPSK       | 12      | 13        | 19.27       | 19.07              | 19.30          | 19.12               | 19.26        |                     |  |
| 5                            | QPSK       | 25      | 0         | 19.19       | 19.21              | 19.27          | 19.31               | 19.08        |                     |  |
| 5                            | 16QAM      | 1       | 0         | 19.25       | 19.23              | 19.42          | 19.43               | 19.38        |                     |  |
| 5                            | 16QAM      | 1       | 12        | 19.36       | 19.22              | 19.27          | 19.49               | 19.24        | 20.5                |  |
| 5                            | 16QAM      | 1       | 24        | 19.21       | 19.20              | 19.32          | 19.33               | 19.40        |                     |  |
| 5                            | 16QAM      | 12      | 0         | 18.26       | 18.20              | 18.40          | 18.33               | 18.36        |                     |  |
| 5                            | 16QAM      | 12      | 7         | 18.11       | 18.12              | 18.28          | 18.35               | 18.31        |                     |  |
| 5                            | 16QAM      | 12      | 13        | 18.25       | 18.09              | 18.32          | 18.22               | 18.23        | 19.5                |  |
| 5                            | 16QAM      | 25      | 0         | 18.31       | 18.14              | 18.14          | 18.17               | 18.16        |                     |  |
| 5                            | 64QAM      | 1       | 0         | 18.36       | 18.27              | 18.44          | 18.29               | 18.36        |                     |  |
| 5                            | 64QAM      | 1       | 12        | 18.30       | 18.22              | 18.29          | 18.11               | 18.31        |                     |  |
| 5                            | 64QAM      | 1       | 24        | 18.15       | 18.28              | 18.12          | 18.19               | 18.22        | 18.5                |  |
| 5                            | 64QAM      | 12      | 0         | 17.15       | 17.22              | 17.41          | 17.30               | 17.29        |                     |  |
| 5                            | 64QAM      | 12      | 7         | 17.07       | 17.23              | 17.27          | 17.18               | 17.29        |                     |  |
| 5                            | 64QAM      | 12      | 13        | 17.28       | 17.20              | 17.18          | 17.18               | 17.24        |                     |  |
| 5                            | 64QAM      | 25      | 0         | 17.07       | 17.04              | 17.17          | 17.05               | 17.06        | 16.5                |  |
| 5                            | 256QAM     | 1       | 0         | 15.05       | 15.17              | 15.27          | 15.03               | 15.10        |                     |  |
| 5                            | 256QAM     | 1       | 12        | 15.01       | 15.11              | 15.17          | 15.17               | 15.06        |                     |  |
| 5                            | 256QAM     |         |           |             |                    |                |                     |              | 16.5                |  |
| 5                            | 256QAM     | 12      | 0         | 13.99       | 14.06              | 14.34          | 14.12               | 14.09        |                     |  |
| 5                            | 256QAM     | 12      | 7         | 14.10       | 14.12              | 14.27          | 14.25               | 14.17        |                     |  |
| 5                            | 256QAM     | 12      | 13        | 14.09       | 14.24              | 14.21          | 13.98               | 14.00        | 15.5                |  |
| 5                            | 256QAM     | 25      | 0         | 14.08       | 14.13              | 14.21          | 14.09               | 13.99        |                     |  |

| n41 (PC2)_SCS 15KHz |                      |        |          |             |                    |                |                     |              |                     |
|---------------------|----------------------|--------|----------|-------------|--------------------|----------------|---------------------|--------------|---------------------|
| BW [MHz]            | Modulation           | RB num | RB start | Low Channel | Low/Middle Channel | Middle Channel | Middle/High Channel | High Channel | Tune-up limit (dBm) |
| Channel             |                      |        |          | 504201      | 511404             | 518601         | 525798              | 532998       | 16.50               |
| Frequency (MHz)     |                      |        |          | 2521.01     | 2557.02            | 2593.01        | 2626.5              | 2664.99      |                     |
| 50                  | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 15.10       | 14.99              | 15.04          | 15.08               | 15.06        | 16.50               |
| 50                  |                      | 1      | 135      | 15.11       | 15.13              | 15.17          | 15.19               | 15.10        |                     |
| 50                  |                      | 1      | 268      | 15.03       | 15.15              | 15.04          | 15.01               | 15.14        |                     |
| 50                  |                      | 135    | 1        | 15.03       | 15.10              | 15.27          | 15.13               | 14.93        | 16.50               |
| 50                  |                      | 135    | 67       | 15.13       | 15.15              | 15.27          | 15.21               | 15.10        |                     |
| 50                  |                      | 135    | 135      | 15.16       | 15.07              | 15.07          | 15.29               | 15.06        |                     |
| 50                  |                      | 270    | 0        | 15.13       | 15.11              | 15.27          | 15.24               | 14.96        |                     |
| 50                  | DFT-s-OFDM QPSK      | 1      | 1        | 15.24       | 15.33              | 15.42          | 15.39               | 15.40        | 16.50               |
| 50                  |                      | 1      | 135      | 15.16       | 15.18              | 15.24          | 15.25               | 15.18        |                     |
| 50                  |                      | 1      | 268      | 15.07       | 15.22              | 15.07          | 15.06               | 15.20        |                     |
| 50                  |                      | 135    | 1        | 15.26       | 15.19              | 15.30          | 15.21               | 15.24        | 16.50               |
| 50                  |                      | 135    | 67       | 15.19       | 15.17              | 15.25          | 15.25               | 15.12        |                     |
| 50                  |                      | 135    | 135      | 15.17       | 15.09              | 15.13          | 15.29               | 15.10        |                     |
| 50                  |                      | 270    | 0        | 15.16       | 15.12              | 15.10          | 15.26               | 14.96        |                     |
| 50                  | DFT-s-OFDM 16QAM     | 1      | 1        | 14.15       | 14.06              | 13.72          | 14.07               | 14.07        | 15.00               |
| 50                  | DFT-s-OFDM 64QAM     | 1      | 1        | 12.49       | 12.40              | 12.65          | 12.75               | 12.60        | 13.50               |
| 50                  | DFT-s-OFDM 256QAM    | 1      | 1        | 10.66       | 10.65              | 10.35          | 10.45               | 10.77        | 11.50               |
| 50                  | CP-OFDM QPSK         | 1      | 1        | 14.56       | 14.42              | 14.63          | 14.44               | 14.51        | 15.50               |
| 50                  | CP-OFDM 16QAM        | 1      | 1        | 13.07       | 12.89              | 13.00          | 13.02               | 13.01        | 14.00               |
| 50                  | CP-OFDM 64QAM        | 1      | 1        | 11.58       | 11.68              | 11.68          | 11.36               | 11.67        | 12.50               |
| 50                  | CP-OFDM 256QAM       | 1      | 1        | 8.83        | 8.48               | 8.62           | 8.79                | 8.75         | 9.50                |
| Channel             |                      |        |          | 503202      | 510900             | 518601         | 526296              | 534000       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 2516.01     | 2554.5             | 2593.01        | 2631.48             | 2670         |                     |
| 40                  | DFT-s-OFDM QPSK      | 1      | 1        | 14.82       | 14.67              | 14.78          | 14.76               | 14.72        | 16.50               |
| Channel             |                      |        |          | 502200      | 510402             | 518601         | 526800              | 534999       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 2511        | 2552.01            | 2593.01        | 2634                | 2674.99      |                     |
| 30                  | DFT-s-OFDM QPSK      | 1      | 1        | 14.94       | 14.81              | 14.96          | 14.90               | 14.79        | 16.50               |
| Channel             |                      |        |          | 501201      | 509904             | 518601         | 527298              | 535998       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 2506.01     | 2549.52            | 2593.01        | 2636.49             | 2679.99      |                     |
| 20                  | DFT-s-OFDM QPSK      | 1      | 1        | 15.28       | 15.11              | 15.25          | 15.19               | 15.31        | 16.50               |
| Channel             |                      |        |          | 500700      | 509652             | 518601         | 527550              | 536499       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 2503.5      | 2548.26            | 2593.01        | 2637.75             | 2682.49      |                     |
| 15                  | DFT-s-OFDM QPSK      | 1      | 1        | 15.34       | 15.04              | 15.19          | 15.38               | 15.14        | 16.50               |
| Channel             |                      |        |          | 500202      | 509400             | 518601         | 527796              | 537000       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 2501.01     | 2547               | 2593.01        | 2638.98             | 2685         |                     |
| 10                  | DFT-s-OFDM QPSK      | 1      | 1        | 15.31       | 15.13              | 15.29          | 15.23               | 15.12        | 16.50               |

| n41 (PC2)_SCS 30KHz |                      |        |          |             |                    |                |                     |              |                     |
|---------------------|----------------------|--------|----------|-------------|--------------------|----------------|---------------------|--------------|---------------------|
| BW [MHz]            | Modulation           | RB num | RB start | Low Channel | Low/Middle Channel | Middle Channel | Middle/High Channel | High Channel | Tune-up limit (dBm) |
| Channel             |                      |        |          | 509202      | 513900             | 518598         | 523296              | 528000       | 17.00               |
| Frequency (MHz)     |                      |        |          | 2546.01     | 2569.5             | 2592.99        | 2616.48             | 2640         |                     |
| 100                 | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 15.55       | 15.61              | 15.65          | 15.66               | 15.68        | 17.00               |
| 100                 |                      | 1      | 136      | 15.69       | 15.77              | 15.87          | 15.90               | 15.72        |                     |
| 100                 |                      | 1      | 271      | 15.69       | 15.83              | 15.79          | 15.74               | 15.73        |                     |
| 100                 |                      | 135    | 1        | 15.67       | 15.76              | 16.03          | 15.86               | 15.73        | 17.00               |
| 100                 |                      | 135    | 67       | 15.76       | 15.84              | 16.03          | 16.03               | 15.86        |                     |
| 100                 |                      | 135    | 136      | 15.77       | 15.78              | 15.89          | 16.10               | 15.81        |                     |
| 100                 |                      | 270    | 0        | 15.73       | 15.78              | 16.05          | 15.98               | 15.71        |                     |
| 100                 | DFT-s-OFDM QPSK      | 1      | 1        | 16.24       | 16.22              | 16.38          | 16.19               | 16.36        | 17.00               |
| 100                 |                      | 1      | 136      | 15.74       | 15.79              | 15.94          | 16.05               | 16.01        |                     |
| 100                 |                      | 1      | 271      | 15.70       | 15.91              | 15.80          | 15.91               | 15.97        |                     |
| 100                 |                      | 135    | 1        | 16.01       | 15.93              | 16.09          | 15.92               | 15.95        | 17.00               |
| 100                 |                      | 135    | 67       | 15.78       | 15.86              | 16.04          | 16.08               | 15.90        |                     |
| 100                 |                      | 135    | 136      | 15.82       | 15.80              | 15.94          | 15.93               | 15.85        |                     |
| 100                 |                      | 270    | 0        | 15.73       | 15.78              | 16.07          | 16.04               | 15.75        |                     |
| 100                 | DFT-s-OFDM 16QAM     | 1      | 1        | 14.57       | 14.69              | 14.87          | 14.85               | 14.89        | 15.50               |
| 100                 | DFT-s-OFDM 64QAM     | 1      | 1        | 13.18       | 13.12              | 13.25          | 13.33               | 13.31        | 14.00               |
| 100                 | DFT-s-OFDM 256QAM    | 1      | 1        | 11.16       | 10.98              | 11.19          | 11.27               | 11.22        | 12.00               |
| 100                 | CP-OFDM QPSK         | 1      | 1        | 15.01       | 15.02              | 15.17          | 15.12               | 15.16        | 16.00               |
| 100                 | CP-OFDM 16QAM        | 1      | 1        | 13.67       | 13.59              | 13.79          | 13.83               | 13.82        | 14.50               |
| 100                 | CP-OFDM 64QAM        | 1      | 1        | 12.08       | 11.98              | 12.17          | 12.25               | 12.24        | 13.00               |
| 100                 | CP-OFDM 256QAM       | 1      | 1        | 9.30        | 9.19               | 9.41           | 9.51                | 9.51         | 10.50               |
| Channel             |                      |        |          | 508200      | 513402             | 518598         | 523800              | 528996       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 2541        | 2567.01            | 2592.99        | 2619                | 2644.98      |                     |
| 90                  | DFT-s-OFDM QPSK      | 1      | 1        | 15.75       | 15.43              | 15.50          | 15.61               | 15.51        | 17.00               |
| Channel             |                      |        |          | 507204      | 512904             | 518598         | 524298              | 529998       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 2536.02     | 2564.52            | 2592.99        | 2621.49             | 2649.99      |                     |
| 80                  | DFT-s-OFDM QPSK      | 1      | 1        | 15.91       | 15.61              | 15.72          | 15.81               | 15.71        | 17.00               |
| Channel             |                      |        |          | 505200      | 511902             | 518598         | 525798              | 531996       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 2526        | 2559.51            | 2592.99        | 2626.5              | 2659.98      |                     |
| 60                  | DFT-s-OFDM QPSK      | 1      | 1        | 15.88       | 15.77              | 15.80          | 15.83               | 15.88        | 17.00               |
| Channel             |                      |        |          | 504204      | 511404             | 518598         | 525798              | 532998       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 2521.02     | 2557.02            | 2592.99        | 2626.5              | 2664.99      |                     |
| 50                  | DFT-s-OFDM QPSK      | 1      | 1        | 16.24       | 16.22              | 16.38          | 16.19               | 16.36        | 17.00               |
| Channel             |                      |        |          | 504204      | 511404             | 518598         | 525798              | 532998       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 2521.02     | 2557.02            | 2592.99        | 2626.5              | 2664.99      |                     |
| 40                  | DFT-s-OFDM QPSK      | 1      | 1        | 16.12       | 16.27              | 16.33          | 16.20               | 16.30        | 0.00                |
| Channel             |                      |        |          | 504204      | 511404             | 518598         | 525798              | 532998       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 2521.02     | 2557.02            | 2592.99        | 2626.5              | 2664.99      |                     |
| 30                  | DFT-s-OFDM QPSK      | 1      | 1        | 16.01       | 16.23              | 16.24          | 16.17               | 16.11        | 0.00                |
| Channel             |                      |        |          | 504204      | 511404             | 518598         | 525798              | 532998       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 2521.02     | 2557.02            | 2592.99        | 2626.5              | 2664.99      |                     |
| 20                  | DFT-s-OFDM QPSK      | 1      | 1        | 16.17       | 16.02              | 16.28          | 16.09               | 16.26        | 0.00                |
| Channel             |                      |        |          | 504204      | 511404             | 518598         | 525798              | 532998       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 2521.02     | 2557.02            | 2592.99        | 2626.5              | 2664.99      |                     |
| 20                  | DFT-s-OFDM QPSK      | 1      | 1        | 16.14       | 16.33              | 16.05          | 16.24               | 16.21        | 0.00                |

| n48 (PC3)_SCS 15KHz |                      |        |          |             |                    |                |                     |              |                     |
|---------------------|----------------------|--------|----------|-------------|--------------------|----------------|---------------------|--------------|---------------------|
| BW [MHz]            | Modulation           | RB num | RB start | Low Channel | Low/Middle Channel | Middle Channel | Middle/High Channel | High Channel | Tune-up limit (dBm) |
| Channel             |                      |        |          | 638334      | 640000             | 641666         | 643332              | 645000       | 16.00               |
| Frequency (MHz)     |                      |        |          | 3575.01     | 3600               | 3624.99        | 3647.49             | 3675         |                     |
| 50                  | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 14.44       | 14.50              | 14.88          | 14.69               | 14.51        | 16.00               |
| 50                  |                      | 1      | 135      | 14.63       | 14.98              | 14.85          | 14.72               | 14.52        |                     |
| 50                  |                      | 1      | 268      | 14.92       | 14.70              | 14.66          | 14.48               | 14.29        |                     |
| 50                  |                      | 135    | 1        | 14.60       | 14.73              | 14.77          | 14.82               | 14.54        | 16.00               |
| 50                  |                      | 135    | 67       | 14.64       | 15.00              | 14.79          | 14.78               | 14.53        |                     |
| 50                  |                      | 135    | 135      | 14.71       | 14.82              | 14.84          | 14.61               | 14.36        |                     |
| 50                  |                      | 270    | 0        | 14.58       | 14.94              | 14.73          | 14.70               | 14.47        |                     |
| 50                  | DFT-s-OFDM QPSK      | 1      | 1        | 14.42       | 14.49              | 15.02          | 14.70               | 14.58        | 16.00               |
| 50                  |                      | 1      | 135      | 14.64       | 14.99              | 14.81          | 14.74               | 14.62        |                     |
| 50                  |                      | 1      | 268      | 14.91       | 14.68              | 14.68          | 14.47               | 14.28        |                     |
| 50                  |                      | 135    | 1        | 14.82       | 14.74              | 14.88          | 14.84               | 14.81        | 16.00               |
| 50                  |                      | 135    | 67       | 14.64       | 14.84              | 14.80          | 14.80               | 14.60        |                     |
| 50                  |                      | 135    | 135      | 14.71       | 14.80              | 14.88          | 14.63               | 14.39        |                     |
| 50                  |                      | 270    | 0        | 14.63       | 14.83              | 14.73          | 14.72               | 14.47        |                     |
| 50                  | DFT-s-OFDM 16QAM     | 1      | 1        | 13.82       | 13.87              | 14.25          | 14.06               | 14.14        | 15.00               |
| 50                  | DFT-s-OFDM 64QAM     | 1      | 1        | 12.06       | 12.12              | 12.46          | 12.31               | 12.34        | 13.00               |
| 50                  | DFT-s-OFDM 256QAM    | 1      | 1        | 9.84        | 9.89               | 10.19          | 10.10               | 10.13        | 11.00               |
| 50                  | CP-OFDM QPSK         | 1      | 1        | 13.95       | 14.01              | 14.36          | 14.19               | 14.23        | 15.00               |
| 50                  | CP-OFDM 16QAM        | 1      | 1        | 12.38       | 12.40              | 12.76          | 12.59               | 12.57        | 13.50               |
| 50                  | CP-OFDM 64QAM        | 1      | 1        | 11.02       | 11.04              | 11.41          | 11.04               | 10.95        | 12.00               |
| 50                  | CP-OFDM 256QAM       | 1      | 1        | 7.75        | 7.78               | 8.22           | 8.22                | 8.19         | 9.00                |
| Channel             |                      |        |          | 638000      | 639834             | 641666         | 643500              | 645332       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 3570        | 3597.51            | 3624.99        | 3652.5              | 3679.98      |                     |
| 40                  | DFT-s-OFDM QPSK      | 1      | 1        | 14.24       | 14.19              | 14.55          | 14.42               | 14.17        | 16.00               |
| Channel             |                      |        |          | 637334      | 639500             | 641666         | 643832              | 646000       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 3560.01     | 3592.5             | 3624.99        | 3657.48             | 3690         |                     |
| 20                  | DFT-s-OFDM QPSK      | 1      | 1        | 14.57       | 14.69              | 14.65          | 14.77               | 14.51        | 16.00               |
| Channel             |                      |        |          | 637168      | 639418             | 641666         | 643916              | 646166       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 3557.52     | 3591.27            | 3624.99        | 3658.74             | 3692.49      |                     |
| 15                  | DFT-s-OFDM QPSK      | 1      | 1        | 14.56       | 14.67              | 14.60          | 14.69               | 14.42        | 16.00               |
| Channel             |                      |        |          | 637000      | 639334             | 641666         | 644000              | 646332       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 3555        | 3590.01            | 3624.99        | 3660                | 3694.98      |                     |
| 10                  | DFT-s-OFDM QPSK      | 1      | 1        | 14.56       | 14.77              | 14.63          | 14.71               | 14.44        | 16.00               |

| n48 (PC3)_SCS 30KHz |                      |        |          |             |                    |                |                     |              |                     |
|---------------------|----------------------|--------|----------|-------------|--------------------|----------------|---------------------|--------------|---------------------|
| BW [MHz]            | Modulation           | RB num | RB start | Low Channel | Low/Middle Channel | Middle Channel | Middle/High Channel | High Channel | Tune-up limit (dBm) |
| Channel             |                      |        |          | 640000      | 640834             | 641666         | 642500              | 643332       | 16.50               |
| Frequency (MHz)     |                      |        |          | 3600        | 3612.51            | 3624.99        | 3637.5              | 3649.98      |                     |
| 100                 | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 14.68       | 14.72              | 14.72          | 14.79               | 14.94        | 16.50               |
| 100                 |                      | 1      | 136      | 15.57       | 15.22              | 15.17          | 15.29               | 15.29        |                     |
| 100                 |                      | 1      | 271      | 14.57       | 14.46              | 14.46          | 14.41               | 14.36        |                     |
| 100                 |                      | 135    | 1        | 15.19       | 15.30              | 15.47          | 15.05               | 15.01        | 16.50               |
| 100                 |                      | 135    | 67       | 15.59       | 15.40              | 15.19          | 15.32               | 15.32        |                     |
| 100                 |                      | 135    | 136      | 15.00       | 15.10              | 15.14          | 15.06               | 15.02        |                     |
| 100                 |                      | 270    | 0        | 15.50       | 15.30              | 15.04          | 15.14               | 15.16        |                     |
| 100                 | DFT-s-OFDM QPSK      | 1      | 1        | 15.44       | 15.54              | 15.61          | 15.39               | 15.57        | 16.50               |
| 100                 |                      | 1      | 136      | 15.56       | 15.21              | 15.21          | 15.31               | 15.34        |                     |
| 100                 |                      | 1      | 271      | 15.33       | 15.44              | 15.13          | 15.21               | 15.30        |                     |
| 100                 |                      | 135    | 1        | 15.39       | 15.45              | 15.53          | 15.47               | 15.35        | 16.50               |
| 100                 |                      | 135    | 67       | 15.33       | 15.45              | 15.24          | 15.35               | 15.36        |                     |
| 100                 |                      | 135    | 136      | 15.02       | 15.13              | 15.18          | 15.10               | 15.04        |                     |
| 100                 |                      | 270    | 0        | 15.50       | 15.29              | 15.07          | 15.19               | 15.18        |                     |
| 100                 | DFT-s-OFDM 16QAM     | 1      | 1        | 14.26       | 14.29              | 14.09          | 14.37               | 14.50        | 9.50                |
| 100                 | DFT-s-OFDM 64QAM     | 1      | 1        | 12.17       | 12.22              | 12.16          | 12.30               | 12.47        | 13.50               |
| 100                 | DFT-s-OFDM 256QAM    | 1      | 1        | 9.96        | 10.04              | 10.17          | 10.12               | 10.28        | 11.50               |
| 100                 | CP-OFDM QPSK         | 1      | 1        | 14.08       | 14.14              | 14.22          | 14.21               | 14.38        | 15.50               |
| 100                 | CP-OFDM 16QAM        | 1      | 1        | 12.64       | 12.70              | 12.72          | 12.79               | 12.94        | 13.50               |
| 100                 | CP-OFDM 64QAM        | 1      | 1        | 11.06       | 11.10              | 11.08          | 11.17               | 11.33        | 12.50               |
| 100                 | CP-OFDM 256QAM       | 1      | 1        | 8.02        | 8.12               | 8.20           | 8.18                | 8.37         | 9.00                |
| Channel             |                      |        |          | 639668      | 640668             | 641666         | 642666              | 643666       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 3595.02     | 3610.02            | 3624.99        | 3639.99             | 3654.99      |                     |
| 90                  | DFT-s-OFDM QPSK      | 1      | 1        | 14.76       | 14.80              | 14.74          | 14.97               | 14.55        | 16.50               |
| Channel             |                      |        |          | 639334      | 640500             | 641666         | 642832              | 644000       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 3590.01     | 3607.5             | 3624.99        | 3642.48             | 3660         |                     |
| 80                  | DFT-s-OFDM QPSK      | 1      | 1        | 14.92       | 14.96              | 14.96          | 14.83               | 14.59        | 16.50               |
| Channel             |                      |        |          | 638668      | 640168             | 641666         | 643332              | 644866       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 3580.02     | 3602.52            | 3624.99        | 3647.49             | 3669.99      |                     |
| 60                  | DFT-s-OFDM QPSK      | 1      | 1        | 14.87       | 14.89              | 15.12          | 14.88               | 15.01        | 16.50               |
| Channel             |                      |        |          | 638334      | 640000             | 641666         | 643332              | 645000       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 3575.01     | 3600               | 3624.99        | 3647.49             | 3675         |                     |
| 50                  | DFT-s-OFDM QPSK      | 1      | 1        | 15.08       | 15.06              | 15.33          | 15.12               | 14.99        | 16.50               |
| Channel             |                      |        |          | 638000      | 639834             | 641666         | 643500              | 645332       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 3570        | 3597.51            | 3624.99        | 3652.5              | 3679.98      |                     |
| 40                  | DFT-s-OFDM QPSK      | 1      | 1        | 14.81       | 14.82              | 15.04          | 14.80               | 14.75        | 16.50               |
| Channel             |                      |        |          | 637334      | 639500             | 641666         | 643832              | 646000       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 3560.01     | 3592.5             | 3624.99        | 3657.48             | 3690         |                     |
| 20                  | DFT-s-OFDM QPSK      | 1      | 1        | 15.22       | 15.23              | 15.10          | 15.24               | 15.04        | 16.50               |
| Channel             |                      |        |          | 637168      | 639418             | 641666         | 643916              | 646166       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 3557.52     | 3591.27            | 3624.99        | 3658.74             | 3692.49      |                     |
| 15                  | DFT-s-OFDM QPSK      | 1      | 1        | 15.25       | 15.33              | 15.10          | 15.25               | 15.03        | 16.50               |
| Channel             |                      |        |          | 637000      | 639334             | 641666         | 644000              | 646332       | Tune-up limit (dBm) |
| Frequency (MHz)     |                      |        |          | 3555        | 3590.01            | 3624.99        | 3660                | 3694.98      |                     |
| 10                  | DFT-s-OFDM QPSK      | 1      | 1        | 15.27       | 15.35              | 15.16          | 15.30               | 15.07        | 16.50               |

| n77(3450-3550MHz) (PC2)_SCS 15KHz |                      |        |          |             |                    |                |                     |              |                     |
|-----------------------------------|----------------------|--------|----------|-------------|--------------------|----------------|---------------------|--------------|---------------------|
| BW [MHz]                          | Modulation           | RB num | RB start | Low Channel | Low/Middle Channel | Middle Channel | Middle/High Channel | High Channel | Tune-up limit (dBm) |
| Channel                           |                      |        |          | 631668      | 632500             | 633334         | 634166              | 635000       | 15.50               |
| Frequency (MHz)                   |                      |        |          | 3475.02     | 3487.5             | 3500.01        | 3510                | 3525         |                     |
| 50                                | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 14.24       | 14.16              | 13.98          | 13.89               | 13.86        | 15.50               |
| 50                                |                      | 1      | 135      | 14.08       | 14.06              | 14.02          | 13.84               | 13.77        |                     |
| 50                                |                      | 1      | 268      | 13.91       | 13.76              | 13.60          | 13.71               | 13.98        |                     |
| 50                                |                      | 135    | 1        | 14.21       | 14.06              | 13.97          | 13.94               | 13.79        | 15.00               |
| 50                                |                      | 135    | 67       | 14.20       | 14.12              | 14.06          | 13.90               | 13.80        |                     |
| 50                                |                      | 135    | 135      | 14.07       | 14.06              | 13.88          | 13.77               | 13.85        |                     |
| 50                                |                      | 270    | 0        | 14.12       | 14.05              | 14.02          | 13.86               | 13.77        |                     |
| 50                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.48       | 14.50              | 14.54          | 14.44               | 14.40        | 15.50               |
| 50                                |                      | 1      | 135      | 14.21       | 14.14              | 14.11          | 13.93               | 13.73        |                     |
| 50                                |                      | 1      | 268      | 13.98       | 13.82              | 13.69          | 13.82               | 13.94        |                     |
| 50                                |                      | 135    | 1        | 14.05       | 14.10              | 14.22          | 14.18               | 14.10        | 15.00               |
| 50                                |                      | 135    | 67       | 14.18       | 14.14              | 14.07          | 13.93               | 13.82        |                     |
| 50                                |                      | 135    | 135      | 14.13       | 14.07              | 13.91          | 13.82               | 13.89        |                     |
| 50                                |                      | 270    | 0        | 14.15       | 14.07              | 14.03          | 13.91               | 13.82        |                     |
| 50                                | DFT-s-OFDM 16QAM     | 1      | 1        | 13.38       | 13.36              | 13.19          | 13.09               | 13.06        | 14.00               |
| 50                                | DFT-s-OFDM 64QAM     | 1      | 1        | 11.65       | 11.70              | 11.54          | 11.45               | 11.41        | 12.50               |
| 50                                | DFT-s-OFDM 256QAM    | 1      | 1        | 9.68        | 9.56               | 9.47           | 9.38                | 9.35         | 10.50               |
| 50                                | CP-OFDM QPSK         | 1      | 1        | 13.44       | 13.44              | 13.42          | 13.32               | 13.55        | 14.50               |
| 50                                | CP-OFDM 16QAM        | 1      | 1        | 12.30       | 12.08              | 11.92          | 11.74               | 11.82        | 13.00               |
| 50                                | CP-OFDM 64QAM        | 1      | 1        | 10.65       | 10.63              | 10.51          | 10.41               | 10.37        | 11.50               |
| 50                                | CP-OFDM 256QAM       | 1      | 1        | 7.87        | 7.78               | 7.61           | 7.49                | 7.45         | 8.50                |
| Channel                           |                      |        |          | 631334      | 632334             | 633334         | 634332              | 635332       | 15.50               |
| Frequency (MHz)                   |                      |        |          | 3470.01     | 3485.01            | 3500.01        | 3514.98             | 3529.98      |                     |
| 40                                | DFT-s-OFDM QPSK      | 1      | 1        | 13.96       | 13.85              | 13.70          | 13.65               | 13.42        | 15.50               |
| Channel                           |                      |        |          | 630668      | 632000             | 633334         | 634666              | 636000       | 15.50               |
| Frequency (MHz)                   |                      |        |          | 3460.02     | 3480               | 3500.01        | 3519.99             | 3540         |                     |
| 20                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.47       | 14.25              | 14.09          | 13.91               | 13.80        | 15.50               |
| Channel                           |                      |        |          | 630500      | 631916             | 633334         | 634750              | 636166       | 15.50               |
| Frequency (MHz)                   |                      |        |          | 3457.5      | 3478.74            | 3500.01        | 3521.25             | 3542.49      |                     |
| 15                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.48       | 14.16              | 14.06          | 13.83               | 13.74        | 15.50               |
| Channel                           |                      |        |          | 630334      | 631834             | 633334         | 634834              | 636332       | 15.50               |
| Frequency (MHz)                   |                      |        |          | 3455.01     | 3477.51            | 3500.01        | 3522.51             | 3544.98      |                     |
| 10                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.30       | 14.15              | 14.13          | 13.73               | 13.91        | 15.50               |

| n77(3450-3550MHz) (PC2)_SCS 30KHz |                      |        |          |             |                    |                |                     |              |                     |
|-----------------------------------|----------------------|--------|----------|-------------|--------------------|----------------|---------------------|--------------|---------------------|
| BW [MHz]                          | Modulation           | RB num | RB start | Low Channel | Low/Middle Channel | Middle Channel | Middle/High Channel | High Channel | Tune-up limit (dBm) |
| Channel                           |                      |        |          |             |                    | 633334         |                     |              | 15.50               |
| Frequency (MHz)                   |                      |        |          |             |                    | 3500.01        |                     |              |                     |
| 100                               | DFT-s-OFDM PI/2 BPSK | 1      | 1        |             |                    | 14.66          |                     |              | 14.50               |
| 100                               |                      | 1      | 136      |             |                    | 14.07          |                     |              |                     |
| 100                               |                      | 1      | 271      |             |                    | 13.48          |                     |              |                     |
| 100                               |                      | 135    | 1        |             |                    | 13.95          |                     |              |                     |
| 100                               |                      | 135    | 67       |             |                    | 14.14          |                     |              | 15.50               |
| 100                               |                      | 135    | 136      |             |                    | 13.74          |                     |              |                     |
| 100                               |                      | 270    | 0        |             |                    | 14.01          |                     |              |                     |
| 100                               | DFT-s-OFDM QPSK      | 1      | 1        |             |                    | 14.88          |                     |              | 14.50               |
| 100                               |                      | 1      | 136      |             |                    | 14.51          |                     |              |                     |
| 100                               |                      | 1      | 271      |             |                    | 13.70          |                     |              |                     |
| 100                               |                      | 135    | 1        |             |                    | 14.11          |                     |              |                     |
| 100                               |                      | 135    | 67       |             |                    | 13.99          |                     |              | 15.50               |
| 100                               |                      | 135    | 136      |             |                    | 13.83          |                     |              |                     |
| 100                               |                      | 270    | 0        |             |                    | 14.07          |                     |              |                     |
| 100                               | DFT-s-OFDM 16QAM     | 1      | 1        |             |                    | 12.73          |                     |              | 13.50               |
| 100                               | DFT-s-OFDM 64QAM     | 1      | 1        |             |                    | 11.22          |                     |              | 12.00               |
| 100                               | DFT-s-OFDM 256QAM    | 1      | 1        |             |                    | 9.23           |                     |              | 10.00               |
| 100                               | CP-OFDM QPSK         | 1      | 1        |             |                    | 13.19          |                     |              | 14.00               |
| 100                               | CP-OFDM 16QAM        | 1      | 1        |             |                    | 11.64          |                     |              | 12.50               |
| 100                               | CP-OFDM 64QAM        | 1      | 1        |             |                    | 10.05          |                     |              | 11.00               |
| 100                               | CP-OFDM 256QAM       | 1      | 1        |             |                    | 7.56           |                     |              | 8.50                |
| Channel                           |                      |        |          | 633000      | 633168             | 633334         | 633500              | 633666       | 15.50               |
| Frequency (MHz)                   |                      |        |          | 3495        | 3497.52            | 3500.01        | 3502.5              | 3504.99      |                     |
| 90                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.55       | 14.50              | 14.47          | 14.51               | 14.39        | 15.50               |
| Channel                           |                      |        |          | 632668      | 633000             | 633334         | 633666              | 634000       | 15.50               |
| Frequency (MHz)                   |                      |        |          | 3490.02     | 3495               | 3500.01        | 3504.99             | 3510         |                     |
| 80                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.61       | 14.69              | 14.65          | 14.60               | 14.53        | 15.50               |
| Channel                           |                      |        |          | 632334      | 632834             | 633334         | 633832              | 634332       | 15.50               |
| Frequency (MHz)                   |                      |        |          | 3485.01     | 3492.51            | 3500.01        | 3507.48             | 3514.98      |                     |
| 70                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.59       | 14.52              | 14.39          | 14.35               | 14.34        | 15.50               |
| Channel                           |                      |        |          | 632000      | 632668             | 633334         | 634000              | 634666       | 15.50               |
| Frequency (MHz)                   |                      |        |          | 3480        | 3490.02            | 3500.01        | 3510                | 3519.99      |                     |
| 60                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.67       | 14.48              | 14.45          | 14.24               | 14.33        | 15.50               |
| Channel                           |                      |        |          | 631668      | 632500             | 633334         | 634166              | 635000       | 15.50               |
| Frequency (MHz)                   |                      |        |          | 3475.02     | 3487.5             | 3500.01        | 3510                | 3525         |                     |
| 50                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.59       | 14.62              | 14.44          | 14.36               | 14.33        | 15.50               |
| Channel                           |                      |        |          | 631334      | 632334             | 633334         | 634332              | 635332       | 15.50               |
| Frequency (MHz)                   |                      |        |          | 3470.01     | 3485.01            | 3500.01        | 3514.98             | 3529.98      |                     |
| 40                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.45       | 14.17              | 14.13          | 14.04               | 13.86        | 15.50               |
| Channel                           |                      |        |          | 630668      | 632000             | 633334         | 634666              | 636000       | 15.50               |
| Frequency (MHz)                   |                      |        |          | 3460.02     | 3480               | 3500.01        | 3519.99             | 3540         |                     |
| 20                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.51       | 14.40              | 14.28          | 14.04               | 13.83        | 15.50               |
| Channel                           |                      |        |          | 630500      | 631916             | 633334         | 634750              | 636166       | 15.50               |
| Frequency (MHz)                   |                      |        |          | 3457.5      | 3478.74            | 3500.01        | 3521.25             | 3542.49      |                     |
| 15                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.64       | 14.45              | 14.34          | 14.08               | 14.06        | 15.50               |
| Channel                           |                      |        |          | 630334      | 631834             | 633334         | 634834              | 636332       | 15.50               |
| Frequency (MHz)                   |                      |        |          | 3455.01     | 3477.51            | 3500.01        | 3522.51             | 3544.98      |                     |
| 10                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.37       | 14.49              | 14.46          | 14.07               | 14.17        | 15.50               |

| n77(3700-3980MHz) (PC2)_SCS 15KHz |                      |        |          |             |                    |                |                     |              |                     |
|-----------------------------------|----------------------|--------|----------|-------------|--------------------|----------------|---------------------|--------------|---------------------|
| BW [MHz]                          | Modulation           | RB num | RB start | Low Channel | Low/Middle Channel | Middle Channel | Middle/High Channel | High Channel | Tune-up limit (dBm) |
| Channel                           |                      |        |          | 648334      | 652168             | 656000         | 659832              | 663666       | 15.00               |
| Frequency (MHz)                   |                      |        |          | 3725.01     | 3782.52            | 3840           | 3894.99             | 3954.99      |                     |
| 50                                | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 13.11       | 13.26              | 13.26          | 13.32               | 13.24        | 15.00               |
| 50                                |                      | 1      | 135      | 13.65       | 13.35              | 13.64          | 13.53               | 13.60        |                     |
| 50                                |                      | 1      | 268      | 13.35       | 13.38              | 13.31          | 13.26               | 13.66        |                     |
| 50                                |                      | 135    | 1        | 13.49       | 13.35              | 13.49          | 13.56               | 13.53        | 14.50               |
| 50                                |                      | 135    | 67       | 13.68       | 13.39              | 13.74          | 13.56               | 13.72        |                     |
| 50                                |                      | 135    | 135      | 13.53       | 13.42              | 13.48          | 13.41               | 13.71        |                     |
| 50                                |                      | 270    | 0        | 13.64       | 13.36              | 13.68          | 13.58               | 13.69        |                     |
| 50                                | DFT-s-OFDM QPSK      | 1      | 1        | 13.66       | 13.82              | 13.94          | 13.87               | 13.80        | 15.00               |
| 50                                |                      | 1      | 135      | 13.63       | 13.44              | 13.68          | 13.56               | 13.69        |                     |
| 50                                |                      | 1      | 268      | 13.50       | 13.45              | 13.68          | 13.59               | 13.67        |                     |
| 50                                |                      | 135    | 1        | 13.61       | 13.63              | 13.74          | 13.74               | 13.70        | 14.50               |
| 50                                |                      | 135    | 67       | 13.53       | 13.42              | 13.68          | 13.60               | 13.69        |                     |
| 50                                |                      | 135    | 135      | 13.57       | 13.43              | 13.66          | 13.55               | 13.71        |                     |
| 50                                |                      | 270    | 0        | 13.68       | 13.37              | 13.69          | 13.59               | 13.71        |                     |
| 50                                | DFT-s-OFDM 16QAM     | 1      | 1        | 12.33       | 12.44              | 13.66          | 13.59               | 13.71        | 14.00               |
| 50                                | DFT-s-OFDM 64QAM     | 1      | 1        | 10.61       | 10.78              | 13.69          | 13.60               | 13.71        | 13.00               |
| 50                                | DFT-s-OFDM 256QAM    | 1      | 1        | 8.59        | 8.70               | 13.70          | 13.59               | 13.70        | 9.50                |
| 50                                | CP-OFDM QPSK         | 1      | 1        | 12.60       | 13.28              | 13.69          | 13.40               | 13.59        | 14.50               |
| 50                                | CP-OFDM 16QAM        | 1      | 1        | 11.28       | 11.33              | 11.39          | 11.26               | 11.29        | 12.00               |
| 50                                | CP-OFDM 64QAM        | 1      | 1        | 9.55        | 9.47               | 9.43           | 9.50                | 9.41         | 10.50               |
| 50                                | CP-OFDM 256QAM       | 1      | 1        | 6.66        | 9.47               | 9.43           | 9.50                | 9.41         | 10.50               |
| Channel                           |                      |        |          | 648000      | 652000             | 656000         | 660000              | 664000       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3720        | 3780               | 3840           | 3900                | 3960         |                     |
| 40                                | DFT-s-OFDM QPSK      | 1      | 1        | 12.91       | 12.96              | 13.00          | 13.16               | 13.22        | 15.00               |
| Channel                           |                      |        |          | 647334      | 651668             | 656000         | 660332              | 664666       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3710.01     | 3775.02            | 3840           | 3904.98             | 3969.99      |                     |
| 20                                | DFT-s-OFDM QPSK      | 1      | 1        | 13.29       | 13.41              | 13.56          | 13.55               | 13.73        | 15.00               |
| Channel                           |                      |        |          | 647168      | 651584             | 656000         | 660416              | 664832       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3707.52     | 3773.76            | 3840           | 3906.24             | 3972.48      |                     |
| 15                                | DFT-s-OFDM QPSK      | 1      | 1        | 13.38       | 13.33              | 13.56          | 13.45               | 13.78        | 15.00               |
| Channel                           |                      |        |          | 647000      | 651500             | 656000         | 660500              | 665000       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3705        | 3772.5             | 3840           | 3907.5              | 3975         |                     |
| 10                                | DFT-s-OFDM QPSK      | 1      | 1        | 13.31       | 13.40              | 13.66          | 13.54               | 13.92        | 15.00               |

| n77(3700-3980MHz) (PC2)_SCS 30KHz |                      |        |          |             |                    |                |                     |              |                     |
|-----------------------------------|----------------------|--------|----------|-------------|--------------------|----------------|---------------------|--------------|---------------------|
| BW [MHz]                          | Modulation           | RB num | RB start | Low Channel | Low/Middle Channel | Middle Channel | Middle/High Channel | High Channel | Tune-up limit (dBm) |
| Channel                           |                      |        |          | 650000      | 653000             | 656000         | 659000              | 662000       | 15.00               |
| Frequency (MHz)                   |                      |        |          | 3750        | 3795               | 3840           | 3885                | 3930         |                     |
| 100                               | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 12.55       | 12.72              | 12.66          | 12.90               | 12.86        | 15.00               |
| 100                               |                      | 1      | 136      | 13.54       | 13.51              | 13.67          | 13.62               | 13.48        |                     |
| 100                               |                      | 1      | 271      | 12.81       | 12.99              | 12.89          | 12.81               | 13.22        |                     |
| 100                               |                      | 135    | 1        | 13.54       | 13.27              | 13.33          | 13.42               | 13.52        | 14.50               |
| 100                               |                      | 135    | 67       | 13.54       | 13.51              | 13.76          | 13.75               | 13.62        |                     |
| 100                               |                      | 135    | 136      | 13.23       | 13.28              | 13.33          | 13.40               | 13.71        |                     |
| 100                               |                      | 270    | 0        | 13.35       | 13.39              | 13.62          | 13.65               | 13.57        |                     |
| 100                               | DFT-s-OFDM QPSK      | 1      | 1        | 14.06       | 14.17              | 14.33          | 14.09               | 14.12        | 15.00               |
| 100                               |                      | 1      | 136      | 13.48       | 13.46              | 13.73          | 13.63               | 13.48        |                     |
| 100                               |                      | 1      | 271      | 12.91       | 13.05              | 13.10          | 12.99               | 12.96        |                     |
| 100                               |                      | 135    | 1        | 13.74       | 13.75              | 13.82          | 13.78               | 13.80        | 14.50               |
| 100                               |                      | 135    | 67       | 13.56       | 13.58              | 13.63          | 13.79               | 13.70        |                     |
| 100                               |                      | 135    | 136      | 13.26       | 13.36              | 13.41          | 13.47               | 13.78        |                     |
| 100                               |                      | 270    | 0        | 13.38       | 13.46              | 13.68          | 13.71               | 13.65        |                     |
| 100                               | DFT-s-OFDM 16QAM     | 1      | 1        | 11.62       | 11.83              | 11.82          | 11.92               | 11.41        | 12.50               |
| 100                               | DFT-s-OFDM 64QAM     | 1      | 1        | 9.95        | 10.17              | 10.14          | 10.43               | 9.87         | 11.50               |
| 100                               | DFT-s-OFDM 256QAM    | 1      | 1        | 8.01        | 8.21               | 8.19           | 8.45                | 7.89         | 9.50                |
| 100                               | CP-OFDM QPSK         | 1      | 1        | 12.02       | 12.13              | 12.19          | 12.40               | 11.98        | 13.50               |
| 100                               | CP-OFDM 16QAM        | 1      | 1        | 10.47       | 10.66              | 10.64          | 10.79               | 10.32        | 11.50               |
| 100                               | CP-OFDM 64QAM        | 1      | 1        | 8.84        | 9.01               | 9.01           | 9.23                | 8.67         | 10.00               |
| 100                               | CP-OFDM 256QAM       | 1      | 1        | 6.34        | 6.50               | 6.42           | 6.74                | 6.19         | 7.50                |
| Channel                           |                      |        |          | 649666      | 652834             | 656000         | 659166              | 662332       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3744.99     | 3792.51            | 3840           | 3887.49             | 3934.98      |                     |
| 90                                | DFT-s-OFDM QPSK      | 1      | 1        | 13.71       | 13.83              | 13.85          | 14.00               | 13.96        | 15.00               |
| Channel                           |                      |        |          | 649334      | 652668             | 656000         | 659332              | 662666       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3740.01     | 3790.02            | 3840           | 3889.98             | 3939.99      |                     |
| 80                                | DFT-s-OFDM QPSK      | 1      | 1        | 13.78       | 13.96              | 14.14          | 14.03               | 13.93        | 15.00               |
| Channel                           |                      |        |          | 649000      | 652500             | 656000         | 659500              | 663000       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3735        | 3787.5             | 3840           | 3892.5              | 3945         |                     |
| 70                                | DFT-s-OFDM QPSK      | 1      | 1        | 13.77       | 13.71              | 13.86          | 13.80               | 13.91        | 15.00               |
| Channel                           |                      |        |          | 648668      | 652334             | 656000         | 659666              | 663332       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3730.02     | 3785.01            | 3840           | 3894.99             | 3949.98      |                     |
| 60                                | DFT-s-OFDM QPSK      | 1      | 1        | 13.44       | 13.56              | 13.58          | 13.76               | 13.53        | 15.00               |
| Channel                           |                      |        |          | 648334      | 652168             | 656000         | 659832              | 663866       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3725.01     | 3782.52            | 3840           | 3894.99             | 3954.99      |                     |
| 50                                | DFT-s-OFDM QPSK      | 1      | 1        | 13.52       | 13.67              | 13.70          | 13.77               | 13.70        | 15.00               |
| Channel                           |                      |        |          | 648000      | 652000             | 656000         | 660000              | 664000       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3720        | 3780               | 3840           | 3900                | 3960         |                     |
| 40                                | DFT-s-OFDM QPSK      | 1      | 1        | 13.39       | 13.51              | 13.52          | 13.71               | 13.69        | 15.00               |
| Channel                           |                      |        |          | 647334      | 651668             | 656000         | 660332              | 664666       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3710.01     | 3775.02            | 3840           | 3904.98             | 3969.99      |                     |
| 20                                | DFT-s-OFDM QPSK      | 1      | 1        | 13.46       | 13.52              | 13.71          | 13.63               | 13.91        | 15.00               |
| Channel                           |                      |        |          | 647168      | 651584             | 656000         | 660416              | 664832       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3707.52     | 3773.76            | 3840           | 3906.24             | 3972.48      |                     |
| 15                                | DFT-s-OFDM QPSK      | 1      | 1        | 13.61       | 13.51              | 13.83          | 13.76               | 14.02        | 15.00               |
| Channel                           |                      |        |          | 647000      | 651500             | 656000         | 660500              | 665000       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3705        | 3772.5             | 3840           | 3907.5              | 3975         |                     |
| 10                                | DFT-s-OFDM QPSK      | 1      | 1        | 13.64       | 13.60              | 14.01          | 13.79               | 13.90        | 15.00               |

| n78(3450-3550MHz) (PC2)_SCS 15KHz |                      |        |          |             |                    |                |                     |              |                     |
|-----------------------------------|----------------------|--------|----------|-------------|--------------------|----------------|---------------------|--------------|---------------------|
| BW [MHz]                          | Modulation           | RB num | RB start | Low Channel | Low/Middle Channel | Middle Channel | Middle/High Channel | High Channel | Tune-up limit (dBm) |
| Channel                           |                      |        |          | 631668      | 632500             | 633334         | 634166              | 635000       | 15.50               |
| Frequency (MHz)                   |                      |        |          | 3475.02     | 3487.5             | 3500.01        | 3512.49             | 3525         |                     |
| 50                                | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 14.24       | 14.14              | 14.00          | 13.88               | 13.79        | 15.50               |
| 50                                |                      | 1      | 135      | 14.09       | 14.05              | 13.99          | 13.75               | 13.57        |                     |
| 50                                |                      | 1      | 268      | 13.86       | 13.69              | 13.49          | 13.52               | 13.75        |                     |
| 50                                |                      | 135    | 1        | 14.20       | 14.07              | 13.98          | 13.87               | 13.66        | 15.00               |
| 50                                |                      | 135    | 67       | 14.18       | 14.07              | 14.05          | 13.79               | 13.61        |                     |
| 50                                |                      | 135    | 135      | 14.09       | 14.04              | 13.83          | 13.62               | 13.61        |                     |
| 50                                |                      | 270    | 0        | 14.06       | 14.02              | 13.95          | 13.70               | 13.58        |                     |
| 50                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.39       | 14.43              | 14.51          | 14.42               | 14.50        | 15.50               |
| 50                                |                      | 1      | 135      | 14.26       | 14.17              | 14.03          | 13.71               | 13.82        |                     |
| 50                                |                      | 1      | 268      | 13.95       | 13.78              | 13.53          | 13.62               | 13.97        |                     |
| 50                                |                      | 135    | 1        | 14.18       | 14.10              | 14.24          | 14.21               | 14.09        | 15.00               |
| 50                                |                      | 135    | 67       | 14.21       | 14.10              | 14.04          | 13.82               | 13.65        |                     |
| 50                                |                      | 135    | 135      | 14.08       | 14.05              | 13.81          | 13.65               | 13.71        |                     |
| 50                                |                      | 270    | 0        | 14.11       | 14.04              | 13.96          | 13.74               | 13.60        |                     |
| 50                                | DFT-s-OFDM 16QAM     | 1      | 1        | 13.33       | 13.14              | 13.16          | 12.94               | 12.91        | 14.50               |
| 50                                | DFT-s-OFDM 64QAM     | 1      | 1        | 11.74       | 11.54              | 11.41          | 11.32               | 11.83        | 12.50               |
| 50                                | DFT-s-OFDM 256QAM    | 1      | 1        | 9.78        | 9.64               | 9.59           | 9.33                | 9.89         | 10.50               |
| 50                                | CP-OFDM QPSK         | 1      | 1        | 13.74       | 13.61              | 13.49          | 13.29               | 13.72        | 14.50               |
| 50                                | CP-OFDM 16QAM        | 1      | 1        | 12.18       | 12.00              | 11.92          | 11.88               | 12.58        | 13.00               |
| 50                                | CP-OFDM 64QAM        | 1      | 1        | 10.59       | 10.47              | 10.35          | 10.23               | 11.00        | 11.50               |
| 50                                | CP-OFDM 256QAM       | 1      | 1        | 7.93        | 7.80               | 7.67           | 7.60                | 7.69         | 8.50                |
| Channel                           |                      |        |          | 631334      | 636672             | 633334         | 634334              | 635332       | 15.50               |
| Frequency (MHz)                   |                      |        |          | 3470.01     | 3485.01            | 3500.01        | 3515.01             | 3529.98      |                     |
| 40                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.45       | 13.51              | 14.01          | 13.93               | 13.74        | 15.50               |
| Channel                           |                      |        |          | 630668      | 632000             | 633334         | 634668              | 636000       | 15.50               |
| Frequency (MHz)                   |                      |        |          | 3460.02     | 3480               | 3500.01        | 3520.02             | 3540         |                     |
| 20                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.46       | 14.27              | 14.12          | 13.77               | 13.56        | 15.50               |
| Channel                           |                      |        |          | 630500      | 631916             | 633334         | 634750              | 636166       | 15.50               |
| Frequency (MHz)                   |                      |        |          | 3457.5      | 3478.74            | 3500.01        | 3521.25             | 3542.49      |                     |
| 15                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.47       | 14.41              | 13.96          | 13.76               | 13.60        | 15.50               |
| Channel                           |                      |        |          | 630334      | 631834             | 633334         | 634834              | 636332       | 15.50               |
| Frequency (MHz)                   |                      |        |          | 3455.01     | 3477.51            | 3500.01        | 3522.51             | 3544.98      |                     |
| 10                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.43       | 14.31              | 13.99          | 13.58               | 13.93        | 15.50               |

| n78(3450-3550MHz) (PC2)_SCS 30KHz |                      |        |          |             |                    |                |                     |              |                     |
|-----------------------------------|----------------------|--------|----------|-------------|--------------------|----------------|---------------------|--------------|---------------------|
| BW [MHz]                          | Modulation           | RB num | RB start | Low Channel | Low/Middle Channel | Middle Channel | Middle/High Channel | High Channel | Tune-up limit (dBm) |
| Channel                           |                      |        |          |             |                    | 633334         |                     |              | 15.5                |
| Frequency (MHz)                   |                      |        |          |             |                    | 3500.01        |                     |              |                     |
| 100                               | DFT-s-OFDM PI/2 BPSK | 1      | 1        |             |                    | 13.63          |                     |              | 15.5                |
| 100                               |                      | 1      | 136      |             |                    | 14.08          |                     |              |                     |
| 100                               |                      | 1      | 271      |             |                    | 13.14          |                     |              |                     |
| 100                               |                      | 135    | 1        |             |                    | 13.96          |                     |              |                     |
| 100                               |                      | 135    | 67       |             |                    | 14.08          |                     |              | 15.5                |
| 100                               |                      | 135    | 136      |             |                    | 13.52          |                     |              |                     |
| 100                               |                      | 270    | 0        |             |                    | 13.89          |                     |              |                     |
| 100                               | DFT-s-OFDM QPSK      | 1      | 1        |             |                    | 14.74          |                     |              | 15.5                |
| 100                               |                      | 1      | 136      |             |                    | 13.69          |                     |              |                     |
| 100                               |                      | 1      | 271      |             |                    | 13.39          |                     |              |                     |
| 100                               |                      | 135    | 1        |             |                    | 14.06          |                     |              |                     |
| 100                               |                      | 135    | 67       |             |                    | 13.92          |                     |              | 15                  |
| 100                               |                      | 135    | 136      |             |                    | 13.52          |                     |              |                     |
| 100                               |                      | 270    | 0        |             |                    | 13.89          |                     |              |                     |
| 100                               | DFT-s-OFDM 16QAM     | 1      | 1        |             |                    | 12.80          |                     |              | 13.5                |
| 100                               | DFT-s-OFDM 64QAM     | 1      | 1        |             |                    | 11.02          |                     |              | 12                  |
| 100                               | DFT-s-OFDM 256QAM    | 1      | 1        |             |                    | 9.15           |                     |              | 10                  |
| 100                               | CP-OFDM QPSK         | 1      | 1        |             |                    | 13.14          |                     |              | 14                  |
| 100                               | CP-OFDM 16QAM        | 1      | 1        |             |                    | 11.63          |                     |              | 12.5                |
| 100                               | CP-OFDM 64QAM        | 1      | 1        |             |                    | 10.06          |                     |              | 11                  |
| 100                               | CP-OFDM 256QAM       | 1      | 1        |             |                    | 7.54           |                     |              | 8.5                 |
| Channel                           |                      |        |          | 633000      | 633166             | 633334         | 633500              | 633666       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3495        | 3497.49            | 3500.01        | 3502.5              | 3504.99      |                     |
| 90                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.03       | 13.92              | 14.51          | 13.92               | 13.90        | 15.5                |
| Channel                           |                      |        |          | 632668      | 633000             | 633334         | 633666              | 634000       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3490.02     | 3450               | 3500.01        | 3504.99             | 3510         |                     |
| 80                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.69       | 14.06              | 14.28          | 14.00               | 14.17        | 15.5                |
| Channel                           |                      |        |          | 632334      | 632834             | 633334         | 633832              | 634332       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3485.01     | 3492.51            | 3500.01        | 3507.48             | 3514.98      |                     |
| 70                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.12       | 14.31              | 14.55          | 14.47               | 14.68        | 15.5                |
| Channel                           |                      |        |          | 632000      | 632666             | 633334         | 634000              | 634666       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3480        | 3489.99            | 3500.01        | 3510                | 3519.99      |                     |
| 60                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.16       | 14.13              | 14.02          | 13.89               | 13.80        | 15.5                |
| Channel                           |                      |        |          | 631668      | 632500             | 633334         | 634166              | 635000       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3475.02     | 3487.5             | 3500.01        | 3512.49             | 3525         |                     |
| 50                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.37       | 14.30              | 14.16          | 14.07               | 13.99        | 15.5                |
| Channel                           |                      |        |          | 631334      | 636672             | 633334         | 634334              | 635332       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3470.01     | 3485.01            | 3500.01        | 3515.01             | 3529.98      |                     |
| 40                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.18       | 13.24              | 13.92          | 13.62               | 13.36        | 15.5                |
| Channel                           |                      |        |          | 630668      | 632000             | 633334         | 634668              | 636000       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3460.02     | 3480               | 3500.01        | 3520.02             | 3540         |                     |
| 20                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.56       | 14.30              | 14.22          | 13.91               | 13.63        | 15.5                |
| Channel                           |                      |        |          | 630500      | 631916             | 633334         | 634750              | 636166       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3457.5      | 3478.74            | 3500.01        | 3521.25             | 3542.49      |                     |
| 15                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.63       | 14.47              | 14.32          | 13.69               | 13.77        | 15.5                |
| Channel                           |                      |        |          | 630334      | 631834             | 633334         | 634834              | 636332       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3455.01     | 3477.51            | 3500.01        | 3522.51             | 3544.98      |                     |
| 10                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.65       | 14.46              | 14.27          | 13.64               | 13.84        | 15.5                |

| n78(3700-3800MHz) (PC2)_SCS 15KHz |                      |        |          |             |                    |                |                     |              |                     |
|-----------------------------------|----------------------|--------|----------|-------------|--------------------|----------------|---------------------|--------------|---------------------|
| BW [MHz]                          | Modulation           | RB num | RB start | Low Channel | Low/Middle Channel | Middle Channel | Middle/High Channel | High Channel | Tune-up limit (dBm) |
| Channel                           |                      |        |          | 648334      | 649166             | 650000         | 650834              | 651666       | 15.50               |
| Frequency (MHz)                   |                      |        |          | 3725.01     | 3737.49            | 3750           | 3762.51             | 3774.99      |                     |
| 50                                | DFT-s-OFDM PI/2 BPSK | 1      | 1        | 13.93       | 14.17              | 14.33          | 14.21               | 14.13        | 15.50               |
| 50                                |                      | 1      | 135      | 14.48       | 14.41              | 14.28          | 14.23               | 14.16        |                     |
| 50                                |                      | 1      | 268      | 14.13       | 14.11              | 14.05          | 14.13               | 14.21        |                     |
| 50                                |                      | 135    | 1        | 14.30       | 14.47              | 14.36          | 14.27               | 14.21        | 15.00               |
| 50                                |                      | 135    | 67       | 14.51       | 14.44              | 14.36          | 14.27               | 14.27        |                     |
| 50                                |                      | 135    | 135      | 14.36       | 14.29              | 14.22          | 14.20               | 14.22        |                     |
| 50                                |                      | 270    | 0        | 14.46       | 14.39              | 14.29          | 14.28               | 14.23        |                     |
| 50                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.74       | 14.83              | 14.94          | 14.77               | 14.82        | 15.50               |
| 50                                |                      | 1      | 135      | 14.50       | 14.62              | 14.51          | 14.56               | 14.41        |                     |
| 50                                |                      | 1      | 268      | 14.15       | 14.36              | 14.08          | 14.42               | 14.41        |                     |
| 50                                |                      | 135    | 1        | 14.43       | 14.50              | 14.62          | 14.58               | 14.51        | 15.00               |
| 50                                |                      | 135    | 67       | 14.52       | 14.47              | 14.40          | 14.28               | 14.30        |                     |
| 50                                |                      | 135    | 135      | 14.39       | 14.33              | 14.22          | 14.20               | 14.25        |                     |
| 50                                |                      | 270    | 0        | 14.49       | 14.43              | 14.28          | 14.27               | 14.24        |                     |
| 50                                | DFT-s-OFDM 16QAM     | 1      | 1        | 12.93       | 13.20              | 13.10          | 13.16               | 12.89        | 14.50               |
| 50                                | DFT-s-OFDM 64QAM     | 1      | 1        | 11.54       | 11.78              | 11.96          | 11.84               | 11.77        | 13.00               |
| 50                                | DFT-s-OFDM 256QAM    | 1      | 1        | 9.55        | 9.76               | 9.91           | 9.82                | 9.71         | 10.50               |
| 50                                | CP-OFDM QPSK         | 1      | 1        | 13.62       | 13.46              | 13.83          | 13.81               | 13.39        | 14.50               |
| 50                                | CP-OFDM 16QAM        | 1      | 1        | 12.03       | 12.05              | 12.43          | 12.33               | 12.22        | 13.50               |
| 50                                | CP-OFDM 64QAM        | 1      | 1        | 10.44       | 10.77              | 10.84          | 10.71               | 10.65        | 11.50               |
| 50                                | CP-OFDM 256QAM       | 1      | 1        | 7.76        | 7.94               | 8.08           | 8.03                | 7.92         | 9.00                |
| Channel                           |                      |        |          | 648000      | 649000             | 650000         | 651000              | 652000       | 15.50               |
| Frequency (MHz)                   |                      |        |          | 3720        | 3735               | 3750           | 3765                | 3780         |                     |
| 40                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.51       | 14.70              | 14.86          | 14.64               | 14.60        | 15.50               |
| Channel                           |                      |        |          | 647334      | 648666             | 650000         | 651334              | 652666       | 15.50               |
| Frequency (MHz)                   |                      |        |          | 3710.01     | 3729.99            | 3750           | 3770.01             | 3789.99      |                     |
| 20                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.37       | 14.48              | 14.62          | 14.54               | 14.37        | 15.50               |
| Channel                           |                      |        |          | 647168      | 648584             | 650000         | 651416              | 652832       | 15.50               |
| Frequency (MHz)                   |                      |        |          | 3707.52     | 3728.76            | 3750           | 3771.24             | 3792.48      |                     |
| 15                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.64       | 14.75              | 14.61          | 14.50               | 14.62        | 15.50               |
| Channel                           |                      |        |          | 647000      | 648500             | 650000         | 651500              | 653000       | 15.50               |
| Frequency (MHz)                   |                      |        |          | 3705        | 3727.5             | 3750           | 3772.5              | 3795         |                     |
| 10                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.46       | 14.65              | 14.46          | 14.55               | 14.37        | 15.50               |

| n78(3700-3800MHz) (PC2)_SCS 30KHz |                      |        |          |             |                    |                |                     |              |                     |
|-----------------------------------|----------------------|--------|----------|-------------|--------------------|----------------|---------------------|--------------|---------------------|
| BW [MHz]                          | Modulation           | RB num | RB start | Low Channel | Low/Middle Channel | Middle Channel | Middle/High Channel | High Channel | Tune-up limit (dBm) |
| Channel                           |                      |        |          |             |                    | 650000         |                     |              |                     |
| Frequency (MHz)                   |                      |        |          |             |                    | 3750           |                     |              |                     |
| 100                               | DFT-s-OFDM PI/2 BPSK | 1      | 1        |             |                    | 14.83          |                     |              | 15.50               |
| 100                               |                      | 1      | 136      |             |                    | 14.46          |                     |              |                     |
| 100                               |                      | 1      | 271      |             |                    | 13.86          |                     |              |                     |
| 100                               |                      | 135    | 1        |             |                    | 14.34          |                     |              | 15.50               |
| 100                               |                      | 135    | 67       |             |                    | 14.40          |                     |              |                     |
| 100                               |                      | 135    | 136      |             |                    | 14.25          |                     |              |                     |
| 100                               |                      | 270    | 0        |             |                    | 14.28          |                     |              |                     |
| 100                               | DFT-s-OFDM QPSK      | 1      | 1        |             |                    | 15.03          |                     |              | 15.50               |
| 100                               |                      | 1      | 136      |             |                    | 14.71          |                     |              |                     |
| 100                               |                      | 1      | 271      |             |                    | 14.10          |                     |              |                     |
| 100                               |                      | 135    | 1        |             |                    | 14.49          |                     |              | 15.50               |
| 100                               |                      | 135    | 67       |             |                    | 14.35          |                     |              |                     |
| 100                               |                      | 135    | 136      |             |                    | 14.29          |                     |              |                     |
| 100                               |                      | 270    | 0        |             |                    | 14.34          |                     |              |                     |
| 100                               | DFT-s-OFDM 16QAM     | 1      | 1        |             |                    | 12.51          |                     |              | 13.00               |
| 100                               | DFT-s-OFDM 64QAM     | 1      | 1        |             |                    | 10.86          |                     |              | 11.00               |
| 100                               | DFT-s-OFDM 256QAM    | 1      | 1        |             |                    | 8.96           |                     |              | 9.50                |
| 100                               | CP-OFDM QPSK         | 1      | 1        |             |                    | 12.88          |                     |              | 13.00               |
| 100                               | CP-OFDM 16QAM        | 1      | 1        |             |                    | 11.48          |                     |              | 12.00               |
| 100                               | CP-OFDM 64QAM        | 1      | 1        |             |                    | 9.85           |                     |              | 10.00               |
| 100                               | CP-OFDM 256QAM       | 1      | 1        |             |                    | 7.30           |                     |              | 7.50                |
| Channel                           |                      |        |          | 649668      | 649834             | 650000         | 650166              | 650332       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3745.02     | 3747.51            | 3750           | 3752.49             | 3754.98      |                     |
| 90                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.33       | 14.25              | 14.32          | 14.12               | 14.86        | 15.50               |
| Channel                           |                      |        |          | 649334      | 649666             | 650000         | 650334              | 650666       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3740.01     | 3744.99            | 3750           | 3755.01             | 3759.99      |                     |
| 80                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.28       | 14.37              | 14.89          | 14.65               | 14.34        | 15.50               |
| Channel                           |                      |        |          | 649000      | 649500             | 650000         | 650500              | 651000       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3735        | 3742.5             | 3750           | 3757.5              | 3765         |                     |
| 70                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.10       | 14.63              | 14.71          | 14.80               | 14.42        | 15.50               |
| Channel                           |                      |        |          | 648668      | 649334             | 650000         | 650666              | 651332       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3730.02     | 3740.01            | 3750           | 3759.99             | 3769.98      |                     |
| 60                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.84       | 14.78              | 14.46          | 14.50               | 14.47        | 15.50               |
| Channel                           |                      |        |          | 648334      | 649166             | 650000         | 650834              | 651666       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3725.01     | 3737.49            | 3750           | 3762.51             | 3774.99      |                     |
| 50                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.66       | 14.44              | 14.97          | 14.40               | 14.42        | 15.50               |
| Channel                           |                      |        |          | 648000      | 649000             | 650000         | 651000              | 652000       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3720        | 3735               | 3750           | 3765                | 3780         |                     |
| 40                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.64       | 14.45              | 14.69          | 14.85               | 14.53        | 15.50               |
| Channel                           |                      |        |          | 647668      | 648834             | 650000         | 651166              | 652332       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3715.02     | 3732.51            | 3750           | 3767.49             | 3784.98      |                     |
| 30                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.71       | 14.53              | 14.75          | 14.80               | 14.61        | 15.50               |
| Channel                           |                      |        |          | 647334      | 648666             | 650000         | 651334              | 652666       | Tune-up limit (dBm) |
| Frequency (MHz)                   |                      |        |          | 3710.01     | 3729.99            | 3750           | 3770.01             | 3789.99      |                     |
| 20                                | DFT-s-OFDM QPSK      | 1      | 1        | 14.37       | 14.67              | 14.72          | 14.56               | 14.56        | 15.50               |