

| BW  | MCS Index            | RB    | RB Size | RB Offset | Low CH 647668     | Mid CH 656000     | High CH 664332    | Max. Tune-up (dBm) |
|-----|----------------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                      |       |         |           | Frequency 3715MHz | Frequency 3840MHz | Frequency 3965MHz |                    |
| 30M | DFT-s-OFDM Pi/2 BPSK | Outer | 1       | 0         | 22.63             | 22.45             | 22.29             | 23                 |
|     |                      |       | 1       | 77        | 21.94             | 21.74             | 21.65             | 23                 |
|     |                      |       | 2       | 0         | 22.76             | 22.53             | 22.41             | 23                 |
|     |                      |       | 2       | 76        | 21.99             | 21.84             | 21.68             | 23                 |
|     |                      |       | 75      | 0         | 23.21             | 22.98             | 22.90             | 24                 |
|     |                      | Inner | 1       | 1         | 23.70             | 23.46             | 23.40             | 24                 |
|     |                      |       | 1       | 76        | 23.11             | 22.88             | 22.70             | 24                 |
|     |                      |       | 36      | 18        | 23.13             | 22.88             | 22.78             | 24                 |
|     | DFT-s-OFDM QPSK      | Outer | 1       | 0         | 22.68             | 22.40             | 22.34             | 23                 |
|     |                      |       | 1       | 77        | 21.96             | 21.76             | 21.62             | 23                 |
|     |                      |       | 2       | 0         | 22.72             | 22.54             | 22.38             | 23                 |
|     |                      |       | 2       | 76        | 22.04             | 21.79             | 21.74             | 23                 |
|     |                      |       | 75      | 0         | 23.20             | 22.97             | 22.85             | 24                 |
|     |                      | Inner | 1       | 1         | 23.67             | 23.49             | 23.34             | 24                 |
|     |                      |       | 1       | 76        | 23.02             | 22.82             | 22.73             | 24                 |
|     |                      |       | 36      | 18        | 23.10             | 22.94             | 22.79             | 24                 |
|     | DFT-s-OFDM 16QAM     | Outer | 1       | 0         | 22.81             | 22.54             | 22.46             | 23                 |
|     |                      |       | 1       | 77        | 22.06             | 21.82             | 21.72             | 23                 |
|     |                      |       | 2       | 0         | 22.72             | 22.44             | 22.38             | 23                 |
|     |                      |       | 2       | 76        | 22.07             | 21.82             | 21.77             | 23                 |
|     |                      |       | 75      | 0         | 23.13             | 22.95             | 22.82             | 24                 |
|     |                      | Inner | 1       | 1         | 23.51             | 23.26             | 23.18             | 24                 |
|     |                      |       | 1       | 76        | 22.88             | 22.61             | 22.51             | 24                 |
|     |                      |       | 36      | 18        | 23.13             | 22.98             | 22.85             | 24                 |
|     | DFT-s-OFDM 64QAM     | Outer | 1       | 0         | 22.89             | 22.66             | 22.51             | 23                 |
|     |                      |       | 1       | 77        | 22.21             | 22.06             | 21.93             | 23                 |
|     |                      |       | 2       | 0         | 22.55             | 22.33             | 22.22             | 23                 |
|     |                      |       | 2       | 76        | 21.98             | 21.70             | 21.65             | 23                 |
|     |                      |       | 75      | 0         | 23.23             | 22.98             | 22.82             | 24                 |
|     |                      | Inner | 1       | 1         | 23.37             | 23.16             | 23.01             | 24                 |
|     |                      |       | 1       | 76        | 22.77             | 22.56             | 22.41             | 24                 |
|     |                      |       | 36      | 18        | 23.18             | 22.97             | 22.89             | 24                 |
|     | DFT-s-OFDM 256QAM    | Outer | 1       | 0         | 22.31             | 22.08             | 21.93             | 23                 |
|     |                      |       | 1       | 77        | 21.58             | 21.37             | 21.30             | 23                 |
|     |                      |       | 2       | 0         | 22.76             | 22.51             | 22.40             | 23                 |
|     |                      |       | 2       | 76        | 22.09             | 21.89             | 21.72             | 23                 |
|     |                      |       | 75      | 0         | 23.16             | 22.93             | 22.84             | 24                 |
|     |                      | Inner | 1       | 1         | 23.25             | 23.07             | 22.94             | 24                 |
|     |                      |       | 1       | 76        | 22.55             | 22.30             | 22.22             | 24                 |
|     |                      |       | 36      | 18        | 23.26             | 23.00             | 22.85             | 24                 |

| BW  | MCS Index            | RB    | RB Size | RB Offset | Low CH 648000     | Mid CH 656000     | High CH 664000    | Max. Tune-up (dBm) |
|-----|----------------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                      |       |         |           | Frequency 3720MHz | Frequency 3840MHz | Frequency 3960MHz |                    |
| 40M | DFT-s-OFDM Pi/2 BPSK | Outer | 1       | 0         | 22.65             | 22.39             | 22.34             | 23                 |
|     |                      |       | 1       | 105       | 21.98             | 21.73             | 21.63             | 23                 |
|     |                      |       | 2       | 0         | 22.79             | 22.54             | 22.44             | 23                 |
|     |                      |       | 2       | 104       | 22.02             | 21.84             | 21.67             | 23                 |
|     |                      |       | 100     | 0         | 23.23             | 22.98             | 22.90             | 24                 |
|     |                      | Inner | 1       | 1         | 23.71             | 23.46             | 23.41             | 24                 |
|     |                      |       | 1       | 104       | 23.09             | 22.86             | 22.72             | 24                 |
|     |                      |       | 50      | 25        | 23.11             | 22.91             | 22.82             | 24                 |
|     | DFT-s-OFDM QPSK      | Outer | 1       | 0         | 22.65             | 22.46             | 22.32             | 23                 |
|     |                      |       | 1       | 105       | 22.02             | 21.79             | 21.64             | 23                 |
|     |                      |       | 2       | 0         | 22.70             | 22.55             | 22.42             | 23                 |
|     |                      |       | 2       | 104       | 22.05             | 21.82             | 21.67             | 23                 |
|     |                      |       | 100     | 0         | 23.18             | 23.00             | 22.87             | 24                 |
|     |                      | Inner | 1       | 1         | 23.66             | 23.49             | 23.31             | 24                 |
|     |                      |       | 1       | 104       | 23.05             | 22.84             | 22.74             | 24                 |
|     |                      |       | 50      | 25        | 23.17             | 22.90             | 22.81             | 24                 |
|     | DFT-s-OFDM 16QAM     | Outer | 1       | 0         | 22.74             | 22.58             | 22.42             | 23                 |
|     |                      |       | 1       | 105       | 22.09             | 21.81             | 21.76             | 23                 |
|     |                      |       | 2       | 0         | 22.66             | 22.46             | 22.33             | 23                 |
|     |                      |       | 2       | 104       | 22.11             | 21.86             | 21.76             | 23                 |
|     |                      |       | 100     | 0         | 23.13             | 22.98             | 22.85             | 24                 |
|     |                      | Inner | 1       | 1         | 23.52             | 23.26             | 23.12             | 24                 |
|     |                      |       | 1       | 104       | 22.89             | 22.66             | 22.48             | 24                 |
|     |                      |       | 50      | 25        | 23.16             | 22.91             | 22.83             | 24                 |
|     | DFT-s-OFDM 64QAM     | Outer | 1       | 0         | 22.92             | 22.69             | 22.51             | 23                 |
|     |                      |       | 1       | 105       | 22.24             | 21.99             | 21.91             | 23                 |
|     |                      |       | 2       | 0         | 22.58             | 22.35             | 22.20             | 23                 |
|     |                      |       | 2       | 104       | 21.95             | 21.76             | 21.59             | 23                 |
|     |                      |       | 100     | 0         | 23.17             | 22.97             | 22.88             | 24                 |
|     |                      | Inner | 1       | 1         | 23.35             | 23.12             | 23.02             | 24                 |
|     |                      |       | 1       | 104       | 22.72             | 22.52             | 22.43             | 24                 |
|     |                      |       | 50      | 25        | 23.16             | 23.00             | 22.84             | 24                 |
|     | DFT-s-OFDM 256QAM    | Outer | 1       | 0         | 22.24             | 22.09             | 21.96             | 23                 |
|     |                      |       | 1       | 105       | 21.62             | 21.39             | 21.24             | 23                 |
|     |                      |       | 2       | 0         | 22.69             | 22.54             | 22.41             | 23                 |
|     |                      |       | 2       | 104       | 22.08             | 21.85             | 21.70             | 23                 |
|     |                      |       | 100     | 0         | 23.16             | 22.93             | 22.85             | 24                 |
|     |                      | Inner | 1       | 1         | 23.25             | 23.07             | 22.92             | 24                 |
|     |                      |       | 1       | 104       | 22.51             | 22.31             | 22.22             | 24                 |
|     |                      |       | 50      | 25        | 23.19             | 23.03             | 22.88             | 24                 |

| BW  | MCS Index            | RB    | RB Size | RB Offset | Low CH 648334     | Mid CH 656000     | High CH 663666    | Max. Tune-up (dBm) |
|-----|----------------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                      |       |         |           | Frequency 3725MHz | Frequency 3840MHz | Frequency 3955MHz |                    |
| 50M | DFT-s-OFDM Pi/2 BPSK | Outer | 1       | 0         | 22.64             | 22.40             | 22.30             | 23                 |
|     |                      |       | 1       | 132       | 21.99             | 21.71             | 21.65             | 23                 |
|     |                      |       | 2       | 0         | 22.75             | 22.50             | 22.45             | 23                 |
|     |                      |       | 2       | 131       | 22.03             | 21.80             | 21.68             | 23                 |
|     |                      | Inner | 128     | 0         | 23.17             | 23.02             | 22.86             | 24                 |
|     |                      |       | 1       | 1         | 23.74             | 23.49             | 23.38             | 24                 |
|     |                      |       | 1       | 131       | 23.07             | 22.88             | 22.70             | 24                 |
|     |                      |       | 64      | 32        | 23.16             | 22.91             | 22.80             | 24                 |
|     | DFT-s-OFDM QPSK      | Outer | 1       | 0         | 22.62             | 22.46             | 22.31             | 23                 |
|     |                      |       | 1       | 132       | 22.02             | 21.74             | 21.68             | 23                 |
|     |                      |       | 2       | 0         | 22.70             | 22.50             | 22.36             | 23                 |
|     |                      |       | 2       | 131       | 22.03             | 21.85             | 21.69             | 23                 |
|     |                      | Inner | 128     | 0         | 23.17             | 22.97             | 22.88             | 24                 |
|     |                      |       | 1       | 1         | 23.69             | 23.46             | 23.38             | 24                 |
|     |                      |       | 1       | 131       | 23.03             | 22.85             | 22.70             | 24                 |
|     |                      |       | 64      | 32        | 23.11             | 22.91             | 22.82             | 24                 |
|     | DFT-s-OFDM 16QAM     | Outer | 1       | 0         | 22.74             | 22.58             | 22.42             | 23                 |
|     |                      |       | 1       | 132       | 22.05             | 21.81             | 21.70             | 23                 |
|     |                      |       | 2       | 0         | 22.72             | 22.46             | 22.32             | 23                 |
|     |                      |       | 2       | 131       | 22.07             | 21.88             | 21.76             | 23                 |
|     |                      | Inner | 128     | 0         | 23.19             | 22.94             | 22.79             | 24                 |
|     |                      |       | 1       | 1         | 23.48             | 23.25             | 23.14             | 24                 |
|     |                      |       | 1       | 131       | 22.88             | 22.63             | 22.49             | 24                 |
|     |                      |       | 64      | 32        | 23.13             | 22.97             | 22.81             | 24                 |
|     | DFT-s-OFDM 64QAM     | Outer | 1       | 0         | 22.91             | 22.70             | 22.52             | 23                 |
|     |                      |       | 1       | 132       | 22.21             | 22.02             | 21.87             | 23                 |
|     |                      |       | 2       | 0         | 22.57             | 22.37             | 22.18             | 23                 |
|     |                      |       | 2       | 131       | 21.95             | 21.71             | 21.61             | 23                 |
|     |                      | Inner | 128     | 0         | 23.22             | 22.94             | 22.88             | 24                 |
|     |                      |       | 1       | 1         | 23.36             | 23.11             | 23.06             | 24                 |
|     |                      |       | 1       | 131       | 22.78             | 22.55             | 22.37             | 24                 |
|     |                      |       | 64      | 32        | 23.17             | 22.94             | 22.84             | 24                 |
|     | DFT-s-OFDM 256QAM    | Outer | 1       | 0         | 22.29             | 22.04             | 21.96             | 23                 |
|     |                      |       | 1       | 132       | 21.64             | 21.37             | 21.27             | 23                 |
|     |                      |       | 2       | 0         | 22.71             | 22.47             | 22.41             | 23                 |
|     |                      |       | 2       | 131       | 22.10             | 21.82             | 21.77             | 23                 |
|     |                      | Inner | 128     | 0         | 23.12             | 22.94             | 22.81             | 24                 |
|     |                      |       | 1       | 1         | 23.29             | 23.02             | 22.92             | 24                 |
|     |                      |       | 1       | 131       | 22.52             | 22.28             | 22.22             | 24                 |
|     |                      |       | 64      | 32        | 23.26             | 23.03             | 22.85             | 24                 |

| BW  | MCS Index            | RB    | RB Size | RB Offset | Low CH 648668     | Mid CH 656000     | High CH 663332    | Max. Tune-up (dBm) |
|-----|----------------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                      |       |         |           | Frequency 3730MHz | Frequency 3840MHz | Frequency 3950MHz |                    |
| 60M | DFT-s-OFDM Pi/2 BPSK | Outer | 1       | 0         | 22.63             | 22.45             | 22.29             | 23                 |
|     |                      |       | 1       | 161       | 21.94             | 21.74             | 21.65             | 23                 |
|     |                      |       | 2       | 0         | 22.76             | 22.53             | 22.41             | 23                 |
|     |                      |       | 2       | 160       | 21.99             | 21.84             | 21.68             | 23                 |
|     |                      |       | 162     | 0         | 23.21             | 22.98             | 22.90             | 24                 |
|     |                      | Inner | 1       | 1         | 23.70             | 23.46             | 23.40             | 24                 |
|     |                      |       | 1       | 160       | 23.11             | 22.88             | 22.70             | 24                 |
|     |                      |       | 81      | 40        | 23.13             | 22.88             | 22.78             | 24                 |
|     | DFT-s-OFDM QPSK      | Outer | 1       | 0         | 22.68             | 22.40             | 22.34             | 23                 |
|     |                      |       | 1       | 161       | 21.96             | 21.76             | 21.62             | 23                 |
|     |                      |       | 2       | 0         | 22.72             | 22.54             | 22.38             | 23                 |
|     |                      |       | 2       | 160       | 22.04             | 21.79             | 21.74             | 23                 |
|     |                      |       | 162     | 0         | 23.20             | 22.97             | 22.85             | 24                 |
|     |                      | Inner | 1       | 1         | 23.67             | 23.49             | 23.34             | 24                 |
|     |                      |       | 1       | 160       | 23.02             | 22.82             | 22.73             | 24                 |
|     |                      |       | 81      | 40        | 23.10             | 22.94             | 22.79             | 24                 |
|     | DFT-s-OFDM 16QAM     | Outer | 1       | 0         | 22.81             | 22.54             | 22.46             | 23                 |
|     |                      |       | 1       | 161       | 22.06             | 21.82             | 21.72             | 23                 |
|     |                      |       | 2       | 0         | 22.72             | 22.44             | 22.38             | 23                 |
|     |                      |       | 2       | 160       | 22.07             | 21.82             | 21.77             | 23                 |
|     |                      |       | 162     | 0         | 23.13             | 22.95             | 22.82             | 24                 |
|     |                      | Inner | 1       | 1         | 23.51             | 23.26             | 23.18             | 24                 |
|     |                      |       | 1       | 160       | 22.88             | 22.61             | 22.51             | 24                 |
|     |                      |       | 81      | 40        | 23.13             | 22.98             | 22.85             | 24                 |
|     | DFT-s-OFDM 64QAM     | Outer | 1       | 0         | 22.89             | 22.66             | 22.51             | 23                 |
|     |                      |       | 1       | 161       | 22.21             | 22.06             | 21.93             | 23                 |
|     |                      |       | 2       | 0         | 22.55             | 22.33             | 22.22             | 23                 |
|     |                      |       | 2       | 160       | 21.98             | 21.70             | 21.65             | 23                 |
|     |                      |       | 162     | 0         | 23.23             | 22.98             | 22.82             | 24                 |
|     |                      | Inner | 1       | 1         | 23.37             | 23.16             | 23.01             | 24                 |
|     |                      |       | 1       | 160       | 22.77             | 22.56             | 22.41             | 24                 |
|     |                      |       | 81      | 40        | 23.18             | 22.97             | 22.89             | 24                 |
|     | DFT-s-OFDM 256QAM    | Outer | 1       | 0         | 22.31             | 22.08             | 21.93             | 23                 |
|     |                      |       | 1       | 161       | 21.58             | 21.37             | 21.30             | 23                 |
|     |                      |       | 2       | 0         | 22.76             | 22.51             | 22.40             | 23                 |
|     |                      |       | 2       | 160       | 22.09             | 21.89             | 21.72             | 23                 |
|     |                      |       | 162     | 0         | 23.16             | 22.93             | 22.84             | 24                 |
|     |                      | Inner | 1       | 1         | 23.25             | 23.07             | 22.94             | 24                 |
|     |                      |       | 1       | 160       | 22.55             | 22.30             | 22.22             | 24                 |
|     |                      |       | 81      | 40        | 23.26             | 23.00             | 22.85             | 24                 |

| BW  | MCS Index            | RB    | RB Size | RB Offset | Low CH 649000     | Mid CH 656000     | High CH 663000    | Max. Tune-up (dBm) |
|-----|----------------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                      |       |         |           | Frequency 3735MHz | Frequency 3840MHz | Frequency 3945MHz |                    |
| 70M | DFT-s-OFDM Pi/2 BPSK | Outer | 1       | 0         | 22.66             | 22.41             | 22.33             | 23                 |
|     |                      |       | 1       | 188       | 22.00             | 21.74             | 21.59             | 23                 |
|     |                      |       | 2       | 0         | 22.74             | 22.55             | 22.42             | 23                 |
|     |                      |       | 2       | 187       | 22.05             | 21.78             | 21.68             | 23                 |
|     |                      |       | 180     | 0         | 23.19             | 22.95             | 22.89             | 24                 |
|     |                      | Inner | 1       | 1         | 23.74             | 23.47             | 23.37             | 24                 |
|     |                      |       | 1       | 187       | 23.06             | 22.82             | 22.76             | 24                 |
|     |                      |       | 90      | 45        | 23.17             | 22.94             | 22.76             | 24                 |
|     | DFT-s-OFDM QPSK      | Outer | 1       | 0         | 22.68             | 22.40             | 22.35             | 23                 |
|     |                      |       | 1       | 188       | 21.96             | 21.78             | 21.65             | 23                 |
|     |                      |       | 2       | 0         | 22.76             | 22.48             | 22.43             | 23                 |
|     |                      |       | 2       | 187       | 22.01             | 21.83             | 21.70             | 23                 |
|     |                      |       | 180     | 0         | 23.21             | 22.96             | 22.88             | 24                 |
|     |                      | Inner | 1       | 1         | 23.72             | 23.49             | 23.31             | 24                 |
|     |                      |       | 1       | 187       | 23.02             | 22.79             | 22.69             | 24                 |
|     |                      |       | 90      | 45        | 23.16             | 22.95             | 22.80             | 24                 |
|     | DFT-s-OFDM 16QAM     | Outer | 1       | 0         | 22.75             | 22.52             | 22.42             | 23                 |
|     |                      |       | 1       | 188       | 22.08             | 21.83             | 21.75             | 23                 |
|     |                      |       | 2       | 0         | 22.72             | 22.45             | 22.35             | 23                 |
|     |                      |       | 2       | 187       | 22.06             | 21.82             | 21.76             | 23                 |
|     |                      |       | 180     | 0         | 23.19             | 22.98             | 22.83             | 24                 |
|     |                      | Inner | 1       | 1         | 23.48             | 23.27             | 23.19             | 24                 |
|     |                      |       | 1       | 187       | 22.89             | 22.66             | 22.51             | 24                 |
|     |                      |       | 90      | 45        | 23.13             | 22.92             | 22.85             | 24                 |
|     | DFT-s-OFDM 64QAM     | Outer | 1       | 0         | 22.92             | 22.67             | 22.56             | 23                 |
|     |                      |       | 1       | 188       | 22.26             | 22.06             | 21.89             | 23                 |
|     |                      |       | 2       | 0         | 22.53             | 22.30             | 22.20             | 23                 |
|     |                      |       | 2       | 187       | 21.97             | 21.72             | 21.64             | 23                 |
|     |                      |       | 180     | 0         | 23.22             | 22.95             | 22.85             | 24                 |
|     |                      | Inner | 1       | 1         | 23.35             | 23.11             | 23.05             | 24                 |
|     |                      |       | 1       | 187       | 22.77             | 22.49             | 22.44             | 24                 |
|     |                      |       | 90      | 45        | 23.16             | 22.98             | 22.85             | 24                 |
|     | DFT-s-OFDM 256QAM    | Outer | 1       | 0         | 22.30             | 22.03             | 21.93             | 23                 |
|     |                      |       | 1       | 188       | 21.60             | 21.36             | 21.30             | 23                 |
|     |                      |       | 2       | 0         | 22.76             | 22.53             | 22.35             | 23                 |
|     |                      |       | 2       | 187       | 22.10             | 21.82             | 21.76             | 23                 |
|     |                      |       | 180     | 0         | 23.12             | 22.92             | 22.78             | 24                 |
|     |                      | Inner | 1       | 1         | 23.25             | 23.07             | 22.91             | 24                 |
|     |                      |       | 1       | 187       | 22.51             | 22.31             | 22.22             | 24                 |
|     |                      |       | 90      | 45        | 23.25             | 23.00             | 22.89             | 24                 |

| BW  | MCS Index            | RB    | RB Size | RB Offset | Low CH 649334     | Mid CH 656000     | High CH 662666    | Max. Tune-up (dBm) |
|-----|----------------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                      |       |         |           | Frequency 3740MHz | Frequency 3840MHz | Frequency 3940MHz |                    |
| 80M | DFT-s-OFDM Pi/2 BPSK | Outer | 1       | 0         | 22.64             | 22.40             | 22.30             | 23                 |
|     |                      |       | 1       | 216       | 21.99             | 21.71             | 21.65             | 23                 |
|     |                      |       | 2       | 0         | 22.75             | 22.50             | 22.45             | 23                 |
|     |                      |       | 2       | 215       | 22.03             | 21.80             | 21.68             | 23                 |
|     |                      |       | 216     | 0         | 23.17             | 23.02             | 22.86             | 24                 |
|     |                      | Inner | 1       | 1         | 23.70             | 23.47             | 23.37             | 24                 |
|     |                      |       | 1       | 215       | 23.05             | 22.85             | 22.76             | 24                 |
|     |                      |       | 108     | 54        | 23.10             | 22.94             | 22.78             | 24                 |
|     | DFT-s-OFDM QPSK      | Outer | 1       | 0         | 22.62             | 22.46             | 22.31             | 23                 |
|     |                      |       | 1       | 216       | 22.02             | 21.74             | 21.68             | 23                 |
|     |                      |       | 2       | 0         | 22.70             | 22.50             | 22.36             | 23                 |
|     |                      |       | 2       | 215       | 22.03             | 21.85             | 21.69             | 23                 |
|     |                      |       | 216     | 0         | 23.17             | 22.97             | 22.88             | 24                 |
|     |                      | Inner | 1       | 1         | 23.69             | 23.46             | 23.38             | 24                 |
|     |                      |       | 1       | 215       | 23.03             | 22.85             | 22.70             | 24                 |
|     |                      |       | 108     | 54        | 23.11             | 22.91             | 22.82             | 24                 |
|     | DFT-s-OFDM 16QAM     | Outer | 1       | 0         | 22.74             | 22.59             | 22.46             | 23                 |
|     |                      |       | 1       | 216       | 22.07             | 21.84             | 21.69             | 23                 |
|     |                      |       | 2       | 0         | 22.66             | 22.51             | 22.38             | 23                 |
|     |                      |       | 2       | 215       | 22.08             | 21.85             | 21.70             | 23                 |
|     |                      |       | 216     | 0         | 23.15             | 22.97             | 22.84             | 24                 |
|     |                      | Inner | 1       | 1         | 23.48             | 23.25             | 23.15             | 24                 |
|     |                      |       | 1       | 215       | 22.83             | 22.63             | 22.54             | 24                 |
|     |                      |       | 108     | 54        | 23.13             | 22.97             | 22.81             | 24                 |
|     | DFT-s-OFDM 64QAM     | Outer | 1       | 0         | 22.85             | 22.70             | 22.57             | 23                 |
|     |                      |       | 1       | 216       | 22.25             | 22.02             | 21.87             | 23                 |
|     |                      |       | 2       | 0         | 22.52             | 22.37             | 22.24             | 23                 |
|     |                      |       | 2       | 215       | 21.95             | 21.73             | 21.62             | 23                 |
|     |                      |       | 216     | 0         | 23.22             | 22.94             | 22.89             | 24                 |
|     |                      | Inner | 1       | 1         | 23.33             | 23.15             | 23.02             | 24                 |
|     |                      |       | 1       | 215       | 22.76             | 22.51             | 22.43             | 24                 |
|     |                      |       | 108     | 54        | 23.22             | 22.95             | 22.85             | 24                 |
|     | DFT-s-OFDM 256QAM    | Outer | 1       | 0         | 22.26             | 22.02             | 21.96             | 23                 |
|     |                      |       | 1       | 216       | 21.65             | 21.42             | 21.24             | 23                 |
|     |                      |       | 2       | 0         | 22.72             | 22.47             | 22.37             | 23                 |
|     |                      |       | 2       | 215       | 22.11             | 21.84             | 21.76             | 23                 |
|     |                      |       | 216     | 0         | 23.15             | 22.96             | 22.79             | 24                 |
|     |                      | Inner | 1       | 1         | 23.29             | 23.01             | 22.96             | 24                 |
|     |                      |       | 1       | 215       | 22.50             | 22.32             | 22.19             | 24                 |
|     |                      |       | 108     | 54        | 23.25             | 22.97             | 22.92             | 24                 |

| BW  | MCS Index            | RB    | RB Size | RB Offset | Low CH 649668     | Mid CH 656000     | High CH 662332    | Max. Tune-up (dBm) |
|-----|----------------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                      |       |         |           | Frequency 3745MHz | Frequency 3840MHz | Frequency 3935MHz |                    |
| 90M | DFT-s-OFDM Pi/2 BPSK | Outer | 1       | 0         | 22.68             | 22.43             | 22.27             | 23                 |
|     |                      |       | 1       | 244       | 21.97             | 21.76             | 21.61             | 23                 |
|     |                      |       | 2       | 0         | 22.78             | 22.57             | 22.42             | 23                 |
|     |                      |       | 2       | 243       | 22.01             | 21.80             | 21.72             | 23                 |
|     |                      |       | 240     | 0         | 23.24             | 23.01             | 22.86             | 24                 |
|     |                      | Inner | 1       | 1         | 23.75             | 23.49             | 23.34             | 24                 |
|     |                      |       | 1       | 243       | 23.06             | 22.87             | 22.74             | 24                 |
|     |                      |       | 120     | 60        | 23.16             | 22.89             | 22.79             | 24                 |
|     | DFT-s-OFDM QPSK      | Outer | 1       | 0         | 22.66             | 22.43             | 22.34             | 23                 |
|     |                      |       | 1       | 244       | 21.98             | 21.80             | 21.67             | 23                 |
|     |                      |       | 2       | 0         | 22.76             | 22.48             | 22.43             | 23                 |
|     |                      |       | 2       | 243       | 22.01             | 21.83             | 21.70             | 23                 |
|     |                      |       | 240     | 0         | 23.21             | 22.96             | 22.88             | 24                 |
|     |                      | Inner | 1       | 1         | 23.65             | 23.44             | 23.37             | 24                 |
|     |                      |       | 1       | 243       | 23.08             | 22.83             | 22.72             | 24                 |
|     |                      |       | 120     | 60        | 23.15             | 22.95             | 22.78             | 24                 |
|     | DFT-s-OFDM 16QAM     | Outer | 1       | 0         | 22.76             | 22.52             | 22.46             | 23                 |
|     |                      |       | 1       | 244       | 22.10             | 21.87             | 21.69             | 23                 |
|     |                      |       | 2       | 0         | 22.67             | 22.44             | 22.34             | 23                 |
|     |                      |       | 2       | 243       | 22.10             | 21.89             | 21.74             | 23                 |
|     |                      |       | 240     | 0         | 23.19             | 22.91             | 22.86             | 24                 |
|     |                      | Inner | 1       | 1         | 23.46             | 23.28             | 23.15             | 24                 |
|     |                      |       | 1       | 243       | 22.88             | 22.60             | 22.55             | 24                 |
|     |                      |       | 120     | 60        | 23.13             | 22.95             | 22.82             | 24                 |
|     | DFT-s-OFDM 64QAM     | Outer | 1       | 0         | 22.90             | 22.65             | 22.57             | 23                 |
|     |                      |       | 1       | 244       | 22.27             | 22.00             | 21.90             | 23                 |
|     |                      |       | 2       | 0         | 22.54             | 22.30             | 22.24             | 23                 |
|     |                      |       | 2       | 243       | 21.99             | 21.76             | 21.58             | 23                 |
|     |                      |       | 240     | 0         | 23.17             | 22.94             | 22.84             | 24                 |
|     |                      | Inner | 1       | 1         | 23.38             | 23.13             | 23.05             | 24                 |
|     |                      |       | 1       | 243       | 22.77             | 22.50             | 22.40             | 24                 |
|     |                      |       | 120     | 60        | 23.18             | 22.94             | 22.88             | 24                 |
|     | DFT-s-OFDM 256QAM    | Outer | 1       | 0         | 22.30             | 22.02             | 21.97             | 23                 |
|     |                      |       | 1       | 244       | 21.58             | 21.40             | 21.27             | 23                 |
|     |                      |       | 2       | 0         | 22.75             | 22.47             | 22.42             | 23                 |
|     |                      |       | 2       | 243       | 22.04             | 21.86             | 21.73             | 23                 |
|     |                      |       | 240     | 0         | 23.17             | 22.92             | 22.84             | 24                 |
|     |                      | Inner | 1       | 1         | 23.29             | 23.02             | 22.92             | 24                 |
|     |                      |       | 1       | 243       | 22.52             | 22.28             | 22.22             | 24                 |
|     |                      |       | 120     | 60        | 23.26             | 23.03             | 22.85             | 24                 |

| BW   | MCS Index            | RB    | RB Size | RB Offset | Low CH 650000     | Mid CH 656000     | High CH 662000    | Max. Tune-up (dBm) |
|------|----------------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|      |                      |       |         |           | Frequency 3750MHz | Frequency 3840MHz | Frequency 3930MHz |                    |
| 100M | DFT-s-OFDM Pi/2 BPSK | Outer | 1       | 0         | 22.69             | 22.47             | 22.35             | 23                 |
|      |                      |       | 1       | 272       | 22.01             | 21.79             | 21.67             | 23                 |
|      |                      |       | 2       | 0         | 22.80             | 22.58             | 22.46             | 23                 |
|      |                      |       | 2       | 271       | 22.07             | 21.85             | 21.73             | 23                 |
|      |                      |       | 270     | 0         | 23.25             | 23.03             | 22.91             | 24                 |
|      |                      | Inner | 1       | 1         | 23.76             | 23.54             | 23.42             | 24                 |
|      |                      |       | 1       | 271       | 23.12             | 22.90             | 22.78             | 24                 |
|      |                      |       | 135     | 67        | 23.18             | 22.96             | 22.84             | 24                 |
|      | DFT-s-OFDM QPSK      | Outer | 1       | 0         | 22.70             | 22.48             | 22.36             | 23                 |
|      |                      |       | 1       | 272       | 22.04             | 21.82             | 21.70             | 23                 |
|      |                      |       | 2       | 0         | 22.78             | 22.56             | 22.44             | 23                 |
|      |                      |       | 2       | 271       | 22.09             | 21.87             | 21.75             | 23                 |
|      |                      |       | 270     | 0         | 23.24             | 23.02             | 22.90             | 24                 |
|      |                      | Inner | 1       | 1         | 23.73             | 23.51             | 23.39             | 24                 |
|      |                      |       | 1       | 271       | 23.09             | 22.87             | 22.75             | 24                 |
|      |                      |       | 135     | 67        | 23.18             | 22.96             | 22.84             | 24                 |
|      | DFT-s-OFDM 16QAM     | Outer | 1       | 0         | 22.82             | 22.60             | 22.48             | 23                 |
|      |                      |       | 1       | 272       | 22.11             | 21.89             | 21.77             | 23                 |
|      |                      |       | 2       | 0         | 22.74             | 22.52             | 22.40             | 23                 |
|      |                      |       | 2       | 271       | 22.12             | 21.90             | 21.78             | 23                 |
|      |                      |       | 270     | 0         | 23.21             | 22.99             | 22.87             | 24                 |
|      |                      | Inner | 1       | 1         | 23.54             | 23.32             | 23.20             | 24                 |
|      |                      |       | 1       | 271       | 22.90             | 22.68             | 22.56             | 24                 |
|      |                      |       | 135     | 67        | 23.21             | 22.99             | 22.87             | 24                 |
|      | DFT-s-OFDM 64QAM     | Outer | 1       | 0         | 22.93             | 22.71             | 22.59             | 23                 |
|      |                      |       | 1       | 272       | 22.29             | 22.07             | 21.95             | 23                 |
|      |                      |       | 2       | 0         | 22.60             | 22.38             | 22.26             | 23                 |
|      |                      |       | 2       | 271       | 22.00             | 21.78             | 21.66             | 23                 |
|      |                      |       | 270     | 0         | 23.24             | 23.02             | 22.90             | 24                 |
|      |                      | Inner | 1       | 1         | 23.41             | 23.19             | 23.07             | 24                 |
|      |                      |       | 1       | 271       | 22.79             | 22.57             | 22.45             | 24                 |
|      |                      |       | 135     | 67        | 23.24             | 23.02             | 22.90             | 24                 |
|      | DFT-s-OFDM 256QAM    | Outer | 1       | 0         | 22.32             | 22.10             | 21.98             | 23                 |
|      |                      |       | 1       | 272       | 21.66             | 21.44             | 21.32             | 23                 |
|      |                      |       | 2       | 0         | 22.77             | 22.55             | 22.43             | 23                 |
|      |                      |       | 2       | 271       | 22.12             | 21.90             | 21.78             | 23                 |
|      |                      |       | 270     | 0         | 23.20             | 22.98             | 22.86             | 24                 |
|      |                      | Inner | 1       | 1         | 23.31             | 23.09             | 22.97             | 24                 |
|      |                      |       | 1       | 271       | 22.58             | 22.36             | 22.24             | 24                 |
|      |                      |       | 135     | 67        | 23.27             | 23.05             | 22.93             | 24                 |



**BUREAU  
VERITAS**

Test Report No.: W7L-P22020005RF03

N77C-LTE41

| BW  | MCS Index      | RB    | RB Size | RB Offset | Low CH 647334     | Mid CH 656000     | High CH 664666    | Max. Tune-up (dBm) |
|-----|----------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                |       |         |           | Frequency 3710MHz | Frequency 3840MHz | Frequency 3970MHz |                    |
| 20M | CP-OFDM QPSK   | Outer | 1       | 0         | 22.42             | 22.31             | 22.23             | 23                 |
|     |                |       | 1       | 50        | 21.81             | 21.70             | 21.58             | 23                 |
|     |                |       | 2       | 0         | 22.66             | 22.54             | 22.42             | 23                 |
|     |                |       | 2       | 49        | 21.86             | 21.74             | 21.67             | 23                 |
|     |                |       | 51      | 0         | 22.59             | 22.42             | 22.37             | 23                 |
|     |                | Inner | 1       | 1         | 23.74             | 23.63             | 23.48             | 24                 |
|     |                |       | 1       | 49        | 22.91             | 22.75             | 22.71             | 24                 |
|     |                |       | 25      | 12        | 23.08             | 22.97             | 22.89             | 24                 |
|     | CP-OFDM 16QAM  | Outer | 1       | 0         | 22.73             | 22.53             | 22.53             | 23                 |
|     |                |       | 1       | 50        | 22.02             | 21.86             | 21.84             | 23                 |
|     |                |       | 2       | 0         | 22.58             | 22.42             | 22.40             | 23                 |
|     |                |       | 2       | 49        | 21.89             | 21.76             | 21.71             | 23                 |
|     |                |       | 51      | 0         | 22.65             | 22.43             | 22.41             | 23                 |
|     |                | Inner | 1       | 1         | 23.45             | 23.24             | 23.24             | 24                 |
|     |                |       | 1       | 49        | 22.73             | 22.56             | 22.48             | 24                 |
|     |                |       | 25      | 12        | 23.14             | 22.96             | 22.84             | 24                 |
|     | CP-OFDM 64QAM  | Outer | 1       | 0         | 22.74             | 22.54             | 22.52             | 23                 |
|     |                |       | 1       | 50        | 22.10             | 21.96             | 21.87             | 23                 |
|     |                |       | 2       | 0         | 22.57             | 22.32             | 22.32             | 23                 |
|     |                |       | 2       | 49        | 21.75             | 21.56             | 21.61             | 23                 |
|     |                |       | 51      | 0         | 22.12             | 21.96             | 21.94             | 23                 |
|     |                | Inner | 1       | 1         | 22.71             | 22.58             | 22.53             | 23                 |
|     |                |       | 1       | 49        | 22.10             | 21.85             | 21.86             | 23                 |
|     |                |       | 25      | 12        | 22.08             | 22.05             | 21.95             | 23                 |
|     | CP-OFDM 256QAM | Outer | 1       | 0         | 19.47             | 19.29             | 19.22             | 20                 |
|     |                |       | 1       | 50        | 18.91             | 18.79             | 18.72             | 20                 |
|     |                |       | 2       | 0         | 19.43             | 19.27             | 19.26             | 20                 |
|     |                |       | 2       | 49        | 18.88             | 18.67             | 18.60             | 20                 |
|     |                |       | 51      | 0         | 19.17             | 18.97             | 18.81             | 20                 |
|     |                | Inner | 1       | 1         | 19.52             | 19.37             | 19.32             | 20                 |
|     |                |       | 1       | 49        | 18.93             | 18.79             | 18.62             | 20                 |
|     |                |       | 25      | 12        | 19.07             | 18.93             | 18.91             | 20                 |

| BW  | MCS Index      | RB    | RB Size | RB Offset | Low CH 647668     | Mid CH 656000     | High CH 664332    | Max. Tune-up (dBm) |
|-----|----------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                |       |         |           | Frequency 3715MHz | Frequency 3840MHz | Frequency 3965MHz |                    |
| 30M | CP-OFDM QPSK   | Outer | 1       | 0         | 22.39             | 22.35             | 22.19             | 23                 |
|     |                |       | 1       | 77        | 21.75             | 21.70             | 21.64             | 23                 |
|     |                |       | 2       | 0         | 22.68             | 22.52             | 22.41             | 23                 |
|     |                |       | 2       | 76        | 21.80             | 21.80             | 21.67             | 23                 |
|     |                |       | 78      | 0         | 22.61             | 22.45             | 22.38             | 23                 |
|     |                | Inner | 1       | 1         | 23.69             | 23.63             | 23.51             | 24                 |
|     |                |       | 1       | 76        | 22.91             | 22.78             | 22.75             | 24                 |
|     |                |       | 39      | 19        | 23.02             | 22.96             | 22.88             | 24                 |
|     | CP-OFDM 16QAM  | Outer | 1       | 0         | 22.73             | 22.53             | 22.52             | 23                 |
|     |                |       | 1       | 77        | 22.02             | 21.84             | 21.81             | 23                 |
|     |                |       | 2       | 0         | 22.54             | 22.48             | 22.35             | 23                 |
|     |                |       | 2       | 76        | 21.92             | 21.72             | 21.75             | 23                 |
|     |                |       | 78      | 0         | 22.64             | 22.44             | 22.38             | 23                 |
|     |                | Inner | 1       | 1         | 23.41             | 23.23             | 23.27             | 24                 |
|     |                |       | 1       | 76        | 22.78             | 22.62             | 22.42             | 24                 |
|     |                |       | 39      | 19        | 23.10             | 22.90             | 22.86             | 24                 |
|     | CP-OFDM 64QAM  | Outer | 1       | 0         | 22.80             | 22.56             | 22.56             | 23                 |
|     |                |       | 1       | 77        | 22.08             | 21.95             | 21.84             | 23                 |
|     |                |       | 2       | 0         | 22.57             | 22.31             | 22.35             | 23                 |
|     |                |       | 2       | 76        | 21.76             | 21.56             | 21.62             | 23                 |
|     |                |       | 78      | 0         | 22.06             | 22.00             | 21.90             | 23                 |
|     |                | Inner | 1       | 1         | 22.76             | 22.56             | 22.56             | 23                 |
|     |                |       | 1       | 76        | 22.10             | 21.86             | 21.82             | 23                 |
|     |                |       | 39      | 19        | 22.08             | 22.08             | 21.98             | 23                 |
|     | CP-OFDM 256QAM | Outer | 1       | 0         | 19.46             | 19.30             | 19.16             | 20                 |
|     |                |       | 1       | 77        | 18.85             | 18.85             | 18.75             | 20                 |
|     |                |       | 2       | 0         | 19.44             | 19.30             | 19.24             | 20                 |
|     |                |       | 2       | 76        | 18.87             | 18.61             | 18.67             | 20                 |
|     |                |       | 78      | 0         | 19.17             | 18.97             | 18.81             | 20                 |
|     |                | Inner | 1       | 1         | 19.52             | 19.37             | 19.32             | 20                 |
|     |                |       | 1       | 76        | 18.93             | 18.79             | 18.62             | 20                 |
|     |                |       | 39      | 19        | 19.07             | 18.93             | 18.91             | 20                 |

| BW  | MCS Index      | RB    | RB Size | RB Offset | Low CH 648000     | Mid CH 656000     | High CH 664000    | Max. Tune-up (dBm) |
|-----|----------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                |       |         |           | Frequency 3720MHz | Frequency 3840MHz | Frequency 3960MHz |                    |
| 40M | CP-OFDM QPSK   | Outer | 1       | 0         | 22.41             | 22.29             | 22.24             | 23                 |
|     |                |       | 1       | 105       | 21.79             | 21.69             | 21.62             | 23                 |
|     |                |       | 2       | 0         | 22.71             | 22.53             | 22.44             | 23                 |
|     |                |       | 2       | 104       | 21.83             | 21.80             | 21.66             | 23                 |
|     |                |       | 106     | 0         | 22.63             | 22.45             | 22.38             | 23                 |
|     |                | Inner | 1       | 1         | 23.68             | 23.63             | 23.48             | 24                 |
|     |                |       | 1       | 104       | 22.94             | 22.80             | 22.76             | 24                 |
|     |                |       | 53      | 26        | 23.09             | 22.92             | 22.90             | 24                 |
|     | CP-OFDM 16QAM  | Outer | 1       | 0         | 22.70             | 22.59             | 22.50             | 23                 |
|     |                |       | 1       | 105       | 22.08             | 21.87             | 21.83             | 23                 |
|     |                |       | 2       | 0         | 22.52             | 22.49             | 22.39             | 23                 |
|     |                |       | 2       | 104       | 21.93             | 21.75             | 21.68             | 23                 |
|     |                |       | 106     | 0         | 22.62             | 22.47             | 22.40             | 23                 |
|     |                | Inner | 1       | 1         | 23.42             | 23.23             | 23.28             | 24                 |
|     |                |       | 1       | 104       | 22.76             | 22.60             | 22.44             | 24                 |
|     |                |       | 53      | 26        | 23.08             | 22.93             | 22.90             | 24                 |
|     | CP-OFDM 64QAM  | Outer | 1       | 0         | 22.73             | 22.60             | 22.52             | 23                 |
|     |                |       | 1       | 105       | 22.11             | 21.94             | 21.88             | 23                 |
|     |                |       | 2       | 0         | 22.51             | 22.33             | 22.30             | 23                 |
|     |                |       | 2       | 104       | 21.80             | 21.60             | 21.61             | 23                 |
|     |                |       | 106     | 0         | 22.06             | 22.03             | 21.93             | 23                 |
|     |                | Inner | 1       | 1         | 22.77             | 22.56             | 22.50             | 23                 |
|     |                |       | 1       | 104       | 22.11             | 21.91             | 21.79             | 23                 |
|     |                |       | 53      | 26        | 22.11             | 22.01             | 21.96             | 23                 |
|     | CP-OFDM 256QAM | Outer | 1       | 0         | 19.49             | 19.33             | 19.16             | 20                 |
|     |                |       | 1       | 105       | 18.88             | 18.78             | 18.73             | 20                 |
|     |                |       | 2       | 0         | 19.47             | 19.32             | 19.22             | 20                 |
|     |                |       | 2       | 104       | 18.84             | 18.67             | 18.61             | 20                 |
|     |                |       | 106     | 0         | 19.11             | 18.96             | 18.87             | 20                 |
|     |                | Inner | 1       | 1         | 19.50             | 19.33             | 19.33             | 20                 |
|     |                |       | 1       | 104       | 18.88             | 18.75             | 18.64             | 20                 |
|     |                |       | 53      | 26        | 19.05             | 18.96             | 18.86             | 20                 |

| BW  | MCS Index      | RB    | RB Size | RB Offset | Low CH 648334     | Mid CH 656000     | High CH 663666    | Max. Tune-up (dBm) |
|-----|----------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                |       |         |           | Frequency 3725MHz | Frequency 3840MHz | Frequency 3955MHz |                    |
| 50M | CP-OFDM QPSK   | Outer | 1       | 0         | 22.40             | 22.30             | 22.20             | 23                 |
|     |                |       | 1       | 132       | 21.80             | 21.67             | 21.64             | 23                 |
|     |                |       | 2       | 0         | 22.67             | 22.49             | 22.45             | 23                 |
|     |                |       | 2       | 131       | 21.84             | 21.76             | 21.67             | 23                 |
|     |                |       | 133     | 0         | 22.57             | 22.49             | 22.34             | 23                 |
|     |                | Inner | 1       | 1         | 23.71             | 23.60             | 23.55             | 24                 |
|     |                |       | 1       | 131       | 22.92             | 22.81             | 22.72             | 24                 |
|     |                |       | 67      | 33        | 23.03             | 22.93             | 22.91             | 24                 |
|     | CP-OFDM 16QAM  | Outer | 1       | 0         | 22.67             | 22.59             | 22.49             | 23                 |
|     |                |       | 1       | 132       | 22.08             | 21.82             | 21.87             | 23                 |
|     |                |       | 2       | 0         | 22.52             | 22.44             | 22.33             | 23                 |
|     |                |       | 2       | 131       | 21.91             | 21.78             | 21.70             | 23                 |
|     |                |       | 133     | 0         | 22.61             | 22.44             | 22.41             | 23                 |
|     |                | Inner | 1       | 1         | 23.45             | 23.26             | 23.25             | 24                 |
|     |                |       | 1       | 131       | 22.74             | 22.62             | 22.42             | 24                 |
|     |                |       | 67      | 33        | 23.13             | 22.93             | 22.88             | 24                 |
|     | CP-OFDM 64QAM  | Outer | 1       | 0         | 22.73             | 22.60             | 22.52             | 23                 |
|     |                |       | 1       | 132       | 22.07             | 21.94             | 21.82             | 23                 |
|     |                |       | 2       | 0         | 22.57             | 22.33             | 22.29             | 23                 |
|     |                |       | 2       | 131       | 21.76             | 21.62             | 21.61             | 23                 |
|     |                |       | 133     | 0         | 22.12             | 21.99             | 21.87             | 23                 |
|     |                | Inner | 1       | 1         | 22.73             | 22.55             | 22.52             | 23                 |
|     |                |       | 1       | 131       | 22.10             | 21.88             | 21.80             | 23                 |
|     |                |       | 67      | 33        | 22.08             | 22.07             | 21.94             | 23                 |
|     | CP-OFDM 256QAM | Outer | 1       | 0         | 19.48             | 19.34             | 19.17             | 20                 |
|     |                |       | 1       | 132       | 18.85             | 18.81             | 18.69             | 20                 |
|     |                |       | 2       | 0         | 19.46             | 19.34             | 19.20             | 20                 |
|     |                |       | 2       | 131       | 18.84             | 18.62             | 18.63             | 20                 |
|     |                |       | 133     | 0         | 19.16             | 18.93             | 18.87             | 20                 |
|     |                | Inner | 1       | 1         | 19.51             | 19.32             | 19.37             | 20                 |
|     |                |       | 1       | 131       | 18.94             | 18.78             | 18.58             | 20                 |
|     |                |       | 67      | 33        | 19.06             | 18.90             | 18.86             | 20                 |

| BW  | MCS Index      | RB    | RB Size | RB Offset | Low CH 648668     | Mid CH 656000     | High CH 663332    | Max. Tune-up (dBm) |
|-----|----------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                |       |         |           | Frequency 3730MHz | Frequency 3840MHz | Frequency 3950MHz |                    |
| 60M | CP-OFDM QPSK   | Outer | 1       | 0         | 22.39             | 22.35             | 22.19             | 23                 |
|     |                |       | 1       | 161       | 21.75             | 21.70             | 21.64             | 23                 |
|     |                |       | 2       | 0         | 22.68             | 22.52             | 22.41             | 23                 |
|     |                |       | 2       | 160       | 21.80             | 21.80             | 21.67             | 23                 |
|     |                |       | 162     | 0         | 22.61             | 22.45             | 22.38             | 23                 |
|     |                | Inner | 1       | 1         | 23.69             | 23.63             | 23.51             | 24                 |
|     |                |       | 1       | 160       | 22.91             | 22.78             | 22.75             | 24                 |
|     |                |       | 81      | 40        | 23.02             | 22.96             | 22.88             | 24                 |
|     | CP-OFDM 16QAM  | Outer | 1       | 0         | 22.73             | 22.53             | 22.52             | 23                 |
|     |                |       | 1       | 161       | 22.02             | 21.84             | 21.81             | 23                 |
|     |                |       | 2       | 0         | 22.54             | 22.48             | 22.35             | 23                 |
|     |                |       | 2       | 160       | 21.92             | 21.72             | 21.75             | 23                 |
|     |                |       | 162     | 0         | 22.64             | 22.44             | 22.38             | 23                 |
|     |                | Inner | 1       | 1         | 23.41             | 23.23             | 23.27             | 24                 |
|     |                |       | 1       | 160       | 22.78             | 22.62             | 22.42             | 24                 |
|     |                |       | 81      | 40        | 23.10             | 22.90             | 22.86             | 24                 |
|     | CP-OFDM 64QAM  | Outer | 1       | 0         | 22.80             | 22.56             | 22.56             | 23                 |
|     |                |       | 1       | 161       | 22.08             | 21.95             | 21.84             | 23                 |
|     |                |       | 2       | 0         | 22.57             | 22.31             | 22.35             | 23                 |
|     |                |       | 2       | 160       | 21.76             | 21.56             | 21.62             | 23                 |
|     |                |       | 162     | 0         | 22.06             | 22.00             | 21.90             | 23                 |
|     |                | Inner | 1       | 1         | 22.76             | 22.56             | 22.56             | 23                 |
|     |                |       | 1       | 160       | 22.10             | 21.86             | 21.82             | 23                 |
|     |                |       | 81      | 40        | 22.08             | 22.08             | 21.98             | 23                 |
|     | CP-OFDM 256QAM | Outer | 1       | 0         | 19.46             | 19.30             | 19.16             | 20                 |
|     |                |       | 1       | 161       | 18.85             | 18.85             | 18.75             | 20                 |
|     |                |       | 2       | 0         | 19.44             | 19.30             | 19.24             | 20                 |
|     |                |       | 2       | 160       | 18.87             | 18.61             | 18.67             | 20                 |
|     |                |       | 162     | 0         | 19.17             | 18.97             | 18.81             | 20                 |
|     |                | Inner | 1       | 1         | 19.52             | 19.37             | 19.32             | 20                 |
|     |                |       | 1       | 160       | 18.93             | 18.79             | 18.62             | 20                 |
|     |                |       | 81      | 40        | 19.07             | 18.93             | 18.91             | 20                 |

| BW  | MCS Index      | RB    | RB Size | RB Offset | Low CH 649000     | Mid CH 656000     | High CH 663000    | Max. Tune-up (dBm) |
|-----|----------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                |       |         |           | Frequency 3735MHz | Frequency 3840MHz | Frequency 3945MHz |                    |
| 70M | CP-OFDM QPSK   | Outer | 1       | 0         | 22.42             | 22.31             | 22.23             | 23                 |
|     |                |       | 1       | 188       | 21.81             | 21.70             | 21.58             | 23                 |
|     |                |       | 2       | 0         | 22.66             | 22.54             | 22.42             | 23                 |
|     |                |       | 2       | 187       | 21.86             | 21.74             | 21.67             | 23                 |
|     |                |       | 189     | 0         | 22.59             | 22.42             | 22.37             | 23                 |
|     |                | Inner | 1       | 1         | 23.74             | 23.63             | 23.48             | 24                 |
|     |                |       | 1       | 187       | 22.91             | 22.75             | 22.71             | 24                 |
|     |                |       | 95      | 47        | 23.08             | 22.97             | 22.89             | 24                 |
|     | CP-OFDM 16QAM  | Outer | 1       | 0         | 22.73             | 22.53             | 22.53             | 23                 |
|     |                |       | 1       | 188       | 22.02             | 21.86             | 21.84             | 23                 |
|     |                |       | 2       | 0         | 22.58             | 22.42             | 22.40             | 23                 |
|     |                |       | 2       | 187       | 21.89             | 21.76             | 21.71             | 23                 |
|     |                |       | 189     | 0         | 22.65             | 22.43             | 22.41             | 23                 |
|     |                | Inner | 1       | 1         | 23.45             | 23.24             | 23.24             | 24                 |
|     |                |       | 1       | 187       | 22.73             | 22.56             | 22.48             | 24                 |
|     |                |       | 95      | 47        | 23.14             | 22.96             | 22.84             | 24                 |
|     | CP-OFDM 64QAM  | Outer | 1       | 0         | 22.74             | 22.54             | 22.52             | 23                 |
|     |                |       | 1       | 188       | 22.10             | 21.96             | 21.87             | 23                 |
|     |                |       | 2       | 0         | 22.57             | 22.32             | 22.32             | 23                 |
|     |                |       | 2       | 187       | 21.75             | 21.56             | 21.61             | 23                 |
|     |                |       | 189     | 0         | 22.12             | 22.03             | 21.91             | 23                 |
|     |                | Inner | 1       | 1         | 22.73             | 22.57             | 22.57             | 23                 |
|     |                |       | 1       | 187       | 22.11             | 21.91             | 21.82             | 23                 |
|     |                |       | 95      | 47        | 22.08             | 22.02             | 21.98             | 23                 |
|     | CP-OFDM 256QAM | Outer | 1       | 0         | 19.49             | 19.31             | 19.21             | 20                 |
|     |                |       | 1       | 188       | 18.90             | 18.85             | 18.71             | 20                 |
|     |                |       | 2       | 0         | 19.42             | 19.27             | 19.22             | 20                 |
|     |                |       | 2       | 187       | 18.86             | 18.63             | 18.66             | 20                 |
|     |                |       | 189     | 0         | 19.16             | 18.94             | 18.84             | 20                 |
|     |                | Inner | 1       | 1         | 19.50             | 19.32             | 19.36             | 20                 |
|     |                |       | 1       | 187       | 18.93             | 18.72             | 18.65             | 20                 |
|     |                |       | 95      | 47        | 19.05             | 18.94             | 18.87             | 20                 |

| BW  | MCS Index      | RB    | RB Size | RB Offset | Low CH 649334     | Mid CH 656000     | High CH 662666    | Max. Tune-up (dBm) |
|-----|----------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                |       |         |           | Frequency 3740MHz | Frequency 3840MHz | Frequency 3940MHz |                    |
| 80M | CP-OFDM QPSK   | Outer | 1       | 0         | 22.40             | 22.30             | 22.20             | 23                 |
|     |                |       | 1       | 216       | 21.80             | 21.67             | 21.64             | 23                 |
|     |                |       | 2       | 0         | 22.67             | 22.49             | 22.45             | 23                 |
|     |                |       | 2       | 215       | 21.84             | 21.76             | 21.67             | 23                 |
|     |                |       | 217     | 0         | 22.57             | 22.49             | 22.34             | 23                 |
|     |                | Inner | 1       | 1         | 23.71             | 23.60             | 23.55             | 24                 |
|     |                |       | 1       | 215       | 22.92             | 22.81             | 22.72             | 24                 |
|     |                |       | 109     | 54        | 23.03             | 22.93             | 22.91             | 24                 |
|     | CP-OFDM 16QAM  | Outer | 1       | 0         | 22.67             | 22.59             | 22.49             | 23                 |
|     |                |       | 1       | 216       | 22.08             | 21.82             | 21.87             | 23                 |
|     |                |       | 2       | 0         | 22.52             | 22.44             | 22.33             | 23                 |
|     |                |       | 2       | 215       | 21.91             | 21.78             | 21.70             | 23                 |
|     |                |       | 217     | 0         | 22.61             | 22.44             | 22.41             | 23                 |
|     |                | Inner | 1       | 1         | 23.41             | 23.24             | 23.24             | 24                 |
|     |                |       | 1       | 215       | 22.72             | 22.59             | 22.48             | 24                 |
|     |                |       | 109     | 54        | 23.07             | 22.96             | 22.86             | 24                 |
|     | CP-OFDM 64QAM  | Outer | 1       | 0         | 22.73             | 22.61             | 22.56             | 23                 |
|     |                |       | 1       | 216       | 22.09             | 21.97             | 21.81             | 23                 |
|     |                |       | 2       | 0         | 22.51             | 22.38             | 22.35             | 23                 |
|     |                |       | 2       | 215       | 21.77             | 21.59             | 21.55             | 23                 |
|     |                |       | 217     | 0         | 22.08             | 22.02             | 21.92             | 23                 |
|     |                | Inner | 1       | 1         | 22.73             | 22.55             | 22.53             | 23                 |
|     |                |       | 1       | 215       | 22.05             | 21.88             | 21.85             | 23                 |
|     |                |       | 109     | 54        | 22.08             | 22.07             | 21.94             | 23                 |
|     | CP-OFDM 256QAM | Outer | 1       | 0         | 19.42             | 19.34             | 19.22             | 20                 |
|     |                |       | 1       | 216       | 18.89             | 18.81             | 18.69             | 20                 |
|     |                |       | 2       | 0         | 19.41             | 19.34             | 19.26             | 20                 |
|     |                |       | 2       | 215       | 18.84             | 18.64             | 18.64             | 20                 |
|     |                |       | 217     | 0         | 19.16             | 18.93             | 18.88             | 20                 |
|     |                | Inner | 1       | 1         | 19.48             | 19.36             | 19.33             | 20                 |
|     |                |       | 1       | 215       | 18.92             | 18.74             | 18.64             | 20                 |
|     |                |       | 109     | 54        | 19.11             | 18.91             | 18.87             | 20                 |

| BW  | MCS Index      | RB    | RB Size | RB Offset | Low CH 649668     | Mid CH 656000     | High CH 662332    | Max. Tune-up (dBm) |
|-----|----------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                |       |         |           | Frequency 3745MHz | Frequency 3840MHz | Frequency 3935MHz |                    |
| 90M | CP-OFDM QPSK   | Outer | 1       | 0         | 22.44             | 22.33             | 22.17             | 23                 |
|     |                |       | 1       | 244       | 21.78             | 21.72             | 21.60             | 23                 |
|     |                |       | 2       | 0         | 22.70             | 22.56             | 22.42             | 23                 |
|     |                |       | 2       | 243       | 21.82             | 21.76             | 21.71             | 23                 |
|     |                |       | 245     | 0         | 22.64             | 22.48             | 22.34             | 23                 |
|     |                | Inner | 1       | 1         | 23.67             | 23.58             | 23.54             | 24                 |
|     |                |       | 1       | 243       | 22.97             | 22.79             | 22.74             | 24                 |
|     |                |       | 123     | 61        | 23.07             | 22.97             | 22.87             | 24                 |
|     | CP-OFDM 16QAM  | Outer | 1       | 0         | 22.71             | 22.56             | 22.52             | 23                 |
|     |                |       | 1       | 244       | 22.04             | 21.88             | 21.86             | 23                 |
|     |                |       | 2       | 0         | 22.58             | 22.42             | 22.40             | 23                 |
|     |                |       | 2       | 243       | 21.89             | 21.76             | 21.71             | 23                 |
|     |                |       | 245     | 0         | 22.65             | 22.43             | 22.41             | 23                 |
|     |                | Inner | 1       | 1         | 23.46             | 23.26             | 23.21             | 24                 |
|     |                |       | 1       | 243       | 22.73             | 22.61             | 22.46             | 24                 |
|     |                |       | 123     | 61        | 23.13             | 22.91             | 22.87             | 24                 |
|     | CP-OFDM 64QAM  | Outer | 1       | 0         | 22.75             | 22.54             | 22.56             | 23                 |
|     |                |       | 1       | 244       | 22.12             | 22.00             | 21.81             | 23                 |
|     |                |       | 2       | 0         | 22.52             | 22.31             | 22.31             | 23                 |
|     |                |       | 2       | 243       | 21.79             | 21.63             | 21.59             | 23                 |
|     |                |       | 245     | 0         | 22.12             | 21.96             | 21.94             | 23                 |
|     |                | Inner | 1       | 1         | 22.71             | 22.58             | 22.53             | 23                 |
|     |                |       | 1       | 243       | 22.10             | 21.85             | 21.86             | 23                 |
|     |                |       | 123     | 61        | 22.08             | 22.05             | 21.95             | 23                 |
|     | CP-OFDM 256QAM | Outer | 1       | 0         | 19.47             | 19.29             | 19.22             | 20                 |
|     |                |       | 1       | 244       | 18.91             | 18.79             | 18.72             | 20                 |
|     |                |       | 2       | 0         | 19.43             | 19.27             | 19.26             | 20                 |
|     |                |       | 2       | 243       | 18.88             | 18.67             | 18.60             | 20                 |
|     |                |       | 245     | 0         | 19.11             | 18.93             | 18.83             | 20                 |
|     |                | Inner | 1       | 1         | 19.53             | 19.34             | 19.36             | 20                 |
|     |                |       | 1       | 243       | 18.93             | 18.73             | 18.61             | 20                 |
|     |                |       | 123     | 61        | 19.07             | 18.90             | 18.90             | 20                 |

| BW   | MCS Index      | RB    | RB Size | RB Offset | Low CH 650000     | Mid CH 656000     | High CH 662000    | Max. Tune-up (dBm) |
|------|----------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|      |                |       |         |           | Frequency 3750MHz | Frequency 3840MHz | Frequency 3930MHz |                    |
| 100M | CP-OFDM QPSK   | Outer | 1       | 0         | 22.45             | 22.37             | 22.25             | 23                 |
|      |                |       | 1       | 272       | 21.82             | 21.75             | 21.66             | 23                 |
|      |                |       | 2       | 0         | 22.72             | 22.57             | 22.46             | 23                 |
|      |                |       | 2       | 271       | 21.88             | 21.81             | 21.72             | 23                 |
|      |                |       | 273     | 0         | 22.65             | 22.50             | 22.39             | 23                 |
|      |                | Inner | 1       | 1         | 23.75             | 23.65             | 23.56             | 24                 |
|      |                |       | 1       | 271       | 22.98             | 22.83             | 22.77             | 24                 |
|      |                |       | 137     | 68        | 23.10             | 22.98             | 22.93             | 24                 |
|      | CP-OFDM 16QAM  | Outer | 1       | 0         | 22.75             | 22.61             | 22.54             | 23                 |
|      |                |       | 1       | 272       | 22.10             | 21.90             | 21.89             | 23                 |
|      |                |       | 2       | 0         | 22.60             | 22.50             | 22.41             | 23                 |
|      |                |       | 2       | 271       | 21.97             | 21.80             | 21.76             | 23                 |
|      |                |       | 273     | 0         | 22.68             | 22.49             | 22.43             | 23                 |
|      |                | Inner | 1       | 1         | 23.47             | 23.31             | 23.29             | 24                 |
|      |                |       | 1       | 271       | 22.79             | 22.64             | 22.50             | 24                 |
|      |                |       | 137     | 68        | 23.15             | 22.98             | 22.92             | 24                 |
|      | CP-OFDM 64QAM  | Outer | 1       | 0         | 22.81             | 22.62             | 22.58             | 23                 |
|      |                |       | 1       | 272       | 22.13             | 22.02             | 21.89             | 23                 |
|      |                |       | 2       | 0         | 22.59             | 22.39             | 22.37             | 23                 |
|      |                |       | 2       | 271       | 21.81             | 21.64             | 21.63             | 23                 |
|      |                |       | 273     | 0         | 22.14             | 22.04             | 21.95             | 23                 |
|      |                | Inner | 1       | 1         | 22.79             | 22.62             | 22.58             | 23                 |
|      |                |       | 1       | 271       | 22.12             | 21.93             | 21.87             | 23                 |
|      |                |       | 137     | 68        | 22.16             | 22.09             | 22.00             | 23                 |
|      | CP-OFDM 256QAM | Outer | 1       | 0         | 19.50             | 19.35             | 19.24             | 20                 |
|      |                |       | 1       | 272       | 18.93             | 18.86             | 18.77             | 20                 |
|      |                |       | 2       | 0         | 19.49             | 19.35             | 19.28             | 20                 |
|      |                |       | 2       | 271       | 18.89             | 18.69             | 18.68             | 20                 |
|      |                |       | 273     | 0         | 19.18             | 19.01             | 18.89             | 20                 |
|      |                | Inner | 1       | 1         | 19.56             | 19.40             | 19.38             | 20                 |
|      |                |       | 1       | 271       | 18.95             | 18.80             | 18.66             | 20                 |
|      |                |       | 137     | 68        | 19.13             | 18.98             | 18.92             | 20                 |

| BW  | MCS Index               | RB    | RB Size | RB Offset | Low CH 647334     | Mid CH 656000     | High CH 664666    | Max. Tune-up (dBm) |
|-----|-------------------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                         |       |         |           | Frequency 3710MHz | Frequency 3840MHz | Frequency 3970MHz |                    |
| 20M | DFT-s-OFDM<br>Pi/2 BPSK | Outer | 1       | 0         | 22.58             | 22.39             | 22.27             | 23                 |
|     |                         |       | 1       | 50        | 21.92             | 21.73             | 21.57             | 23                 |
|     |                         |       | 2       | 0         | 22.70             | 22.50             | 22.34             | 23                 |
|     |                         |       | 2       | 49        | 21.97             | 21.77             | 21.66             | 23                 |
|     |                         |       | 50      | 0         | 23.15             | 22.90             | 22.81             | 24                 |
|     |                         | Inner | 1       | 1         | 23.68             | 23.39             | 23.35             | 24                 |
|     |                         |       | 1       | 49        | 23.05             | 22.80             | 22.68             | 24                 |
|     |                         |       | 25      | 12        | 23.12             | 22.86             | 22.70             | 24                 |
|     | DFT-s-OFDM<br>QPSK      | Outer | 1       | 0         | 22.63             | 22.35             | 22.31             | 23                 |
|     |                         |       | 1       | 50        | 21.94             | 21.70             | 21.64             | 23                 |
|     |                         |       | 2       | 0         | 22.68             | 22.44             | 22.38             | 23                 |
|     |                         |       | 2       | 49        | 21.98             | 21.77             | 21.68             | 23                 |
|     |                         |       | 50      | 0         | 23.19             | 22.89             | 22.83             | 24                 |
|     |                         | Inner | 1       | 1         | 23.66             | 23.47             | 23.28             | 24                 |
|     |                         |       | 1       | 49        | 22.96             | 22.72             | 22.64             | 24                 |
|     |                         |       | 25      | 12        | 23.09             | 22.90             | 22.78             | 24                 |
|     | DFT-s-OFDM<br>16QAM     | Outer | 1       | 0         | 22.74             | 22.46             | 22.40             | 23                 |
|     |                         |       | 1       | 50        | 22.03             | 21.81             | 21.68             | 23                 |
|     |                         |       | 2       | 0         | 22.70             | 22.37             | 22.33             | 23                 |
|     |                         |       | 2       | 49        | 22.01             | 21.74             | 21.75             | 23                 |
|     |                         |       | 50      | 0         | 23.11             | 22.87             | 22.81             | 24                 |
|     |                         | Inner | 2       | 49        | 23.43             | 23.22             | 23.13             | 24                 |
|     |                         |       | 25      | 12        | 22.86             | 22.53             | 22.50             | 24                 |
|     |                         |       | 50      | 0         | 23.05             | 22.94             | 22.80             | 24                 |
|     | DFT-s-OFDM<br>64QAM     | Outer | 1       | 0         | 22.86             | 22.60             | 22.49             | 23                 |
|     |                         |       | 1       | 50        | 22.19             | 21.99             | 21.88             | 23                 |
|     |                         |       | 2       | 0         | 22.49             | 22.25             | 22.20             | 23                 |
|     |                         |       | 2       | 49        | 21.97             | 21.68             | 21.57             | 23                 |
|     |                         |       | 50      | 0         | 23.22             | 22.94             | 22.74             | 24                 |
|     |                         | Inner | 1       | 1         | 23.31             | 23.08             | 22.99             | 24                 |
|     |                         |       | 1       | 49        | 22.76             | 22.54             | 22.33             | 24                 |
|     |                         |       | 25      | 12        | 23.11             | 22.89             | 22.83             | 24                 |
|     | DFT-s-OFDM<br>256QAM    | Outer | 1       | 0         | 22.29             | 22.07             | 21.89             | 23                 |
|     |                         |       | 1       | 50        | 21.56             | 21.29             | 21.29             | 23                 |
|     |                         |       | 2       | 0         | 22.68             | 22.47             | 22.35             | 23                 |
|     |                         |       | 2       | 49        | 22.08             | 21.87             | 21.64             | 23                 |
|     |                         |       | 50      | 0         | 23.09             | 22.85             | 22.78             | 24                 |
|     |                         | Inner | 1       | 1         | 23.22             | 23.01             | 22.92             | 24                 |
|     |                         |       | 1       | 49        | 22.54             | 22.21             | 22.18             | 24                 |
|     |                         |       | 25      | 12        | 23.13             | 22.93             | 22.86             | 24                 |

| BW  | MCS Index            | RB    | RB Size | RB Offset | Low CH 647668     | Mid CH 656000     | High CH 664332    | Max. Tune-up (dBm) |
|-----|----------------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                      |       |         |           | Frequency 3715MHz | Frequency 3840MHz | Frequency 3965MHz |                    |
| 30M | DFT-s-OFDM Pi/2 BPSK | Outer | 1       | 0         | 22.55             | 22.43             | 22.23             | 23                 |
|     |                      |       | 1       | 77        | 21.86             | 21.73             | 21.63             | 23                 |
|     |                      |       | 2       | 0         | 22.72             | 22.48             | 22.33             | 23                 |
|     |                      |       | 2       | 76        | 21.91             | 21.83             | 21.66             | 23                 |
|     |                      |       | 75      | 0         | 23.17             | 22.93             | 22.82             | 24                 |
|     |                      | Inner | 1       | 1         | 23.64             | 23.38             | 23.38             | 24                 |
|     |                      |       | 1       | 76        | 23.10             | 22.86             | 22.62             | 24                 |
|     |                      |       | 36      | 18        | 23.08             | 22.80             | 22.72             | 24                 |
|     | DFT-s-OFDM QPSK      | Outer | 1       | 0         | 22.63             | 22.35             | 22.30             | 23                 |
|     |                      |       | 1       | 77        | 21.94             | 21.68             | 21.61             | 23                 |
|     |                      |       | 2       | 0         | 22.64             | 22.50             | 22.33             | 23                 |
|     |                      |       | 2       | 76        | 22.01             | 21.73             | 21.72             | 23                 |
|     |                      |       | 75      | 0         | 23.18             | 22.90             | 22.80             | 24                 |
|     |                      | Inner | 1       | 1         | 23.61             | 23.47             | 23.31             | 24                 |
|     |                      |       | 1       | 76        | 22.96             | 22.75             | 22.68             | 24                 |
|     |                      |       | 36      | 18        | 23.03             | 22.89             | 22.77             | 24                 |
|     | DFT-s-OFDM 16QAM     | Outer | 1       | 0         | 22.80             | 22.48             | 22.44             | 23                 |
|     |                      |       | 1       | 77        | 22.01             | 21.80             | 21.65             | 23                 |
|     |                      |       | 2       | 0         | 22.70             | 22.36             | 22.36             | 23                 |
|     |                      |       | 2       | 76        | 22.02             | 21.74             | 21.76             | 23                 |
|     |                      |       | 75      | 0         | 23.05             | 22.91             | 22.77             | 24                 |
|     |                      | Inner | 1       | 1         | 23.48             | 23.20             | 23.16             | 24                 |
|     |                      |       | 1       | 76        | 22.86             | 22.54             | 22.46             | 24                 |
|     |                      |       | 36      | 18        | 23.05             | 22.97             | 22.83             | 24                 |
|     | DFT-s-OFDM 64QAM     | Outer | 1       | 0         | 22.85             | 22.61             | 22.43             | 23                 |
|     |                      |       | 1       | 77        | 22.13             | 22.05             | 21.91             | 23                 |
|     |                      |       | 2       | 0         | 22.50             | 22.28             | 22.18             | 23                 |
|     |                      |       | 2       | 76        | 21.96             | 21.62             | 21.64             | 23                 |
|     |                      |       | 75      | 0         | 23.22             | 22.94             | 22.74             | 24                 |
|     |                      | Inner | 1       | 1         | 23.31             | 23.08             | 22.99             | 24                 |
|     |                      |       | 1       | 76        | 22.76             | 22.54             | 22.33             | 24                 |
|     |                      |       | 36      | 18        | 23.11             | 22.89             | 22.83             | 24                 |
|     | DFT-s-OFDM 256QAM    | Outer | 1       | 0         | 22.29             | 22.07             | 21.89             | 23                 |
|     |                      |       | 1       | 77        | 21.56             | 21.29             | 21.29             | 23                 |
|     |                      |       | 2       | 0         | 22.68             | 22.47             | 22.35             | 23                 |
|     |                      |       | 2       | 76        | 22.08             | 21.87             | 21.64             | 23                 |
|     |                      |       | 75      | 0         | 23.09             | 22.85             | 22.78             | 24                 |
|     |                      | Inner | 1       | 1         | 23.22             | 23.01             | 22.92             | 24                 |
|     |                      |       | 1       | 76        | 22.53             | 22.23             | 22.17             | 24                 |
|     |                      |       | 36      | 18        | 23.20             | 22.92             | 22.83             | 24                 |

| BW  | MCS Index            | RB    | RB Size | RB Offset | Low CH 648000     | Mid CH 656000     | High CH 664000    | Max. Tune-up (dBm) |
|-----|----------------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                      |       |         |           | Frequency 3720MHz | Frequency 3840MHz | Frequency 3960MHz |                    |
| 40M | DFT-s-OFDM Pi/2 BPSK | Outer | 1       | 0         | 22.57             | 22.37             | 22.28             | 23                 |
|     |                      |       | 1       | 105       | 21.90             | 21.72             | 21.61             | 23                 |
|     |                      |       | 2       | 0         | 22.75             | 22.49             | 22.36             | 23                 |
|     |                      |       | 2       | 104       | 21.94             | 21.83             | 21.65             | 23                 |
|     |                      |       | 100     | 0         | 23.19             | 22.93             | 22.82             | 24                 |
|     |                      | Inner | 1       | 1         | 23.65             | 23.38             | 23.39             | 24                 |
|     |                      |       | 1       | 104       | 23.08             | 22.84             | 22.64             | 24                 |
|     |                      |       | 50      | 25        | 23.06             | 22.83             | 22.76             | 24                 |
|     | DFT-s-OFDM QPSK      | Outer | 1       | 0         | 22.60             | 22.41             | 22.28             | 23                 |
|     |                      |       | 1       | 105       | 22.00             | 21.71             | 21.63             | 23                 |
|     |                      |       | 2       | 0         | 22.62             | 22.51             | 22.37             | 23                 |
|     |                      |       | 2       | 104       | 22.02             | 21.76             | 21.65             | 23                 |
|     |                      |       | 100     | 0         | 23.16             | 22.93             | 22.82             | 24                 |
|     |                      | Inner | 1       | 1         | 23.60             | 23.47             | 23.28             | 24                 |
|     |                      |       | 1       | 104       | 22.99             | 22.77             | 22.69             | 24                 |
|     |                      |       | 50      | 25        | 23.10             | 22.85             | 22.79             | 24                 |
|     | DFT-s-OFDM 16QAM     | Outer | 1       | 0         | 22.73             | 22.52             | 22.40             | 23                 |
|     |                      |       | 1       | 105       | 22.04             | 21.79             | 21.69             | 23                 |
|     |                      |       | 2       | 0         | 22.64             | 22.38             | 22.31             | 23                 |
|     |                      |       | 2       | 104       | 22.06             | 21.78             | 21.75             | 23                 |
|     |                      |       | 100     | 0         | 23.05             | 22.94             | 22.80             | 24                 |
|     |                      | Inner | 1       | 1         | 23.49             | 23.20             | 23.10             | 24                 |
|     |                      |       | 1       | 104       | 22.87             | 22.59             | 22.43             | 24                 |
|     |                      |       | 50      | 25        | 23.08             | 22.90             | 22.81             | 24                 |
|     | DFT-s-OFDM 64QAM     | Outer | 1       | 0         | 22.88             | 22.64             | 22.43             | 23                 |
|     |                      |       | 1       | 105       | 22.16             | 21.98             | 21.89             | 23                 |
|     |                      |       | 2       | 0         | 22.53             | 22.30             | 22.16             | 23                 |
|     |                      |       | 2       | 104       | 21.93             | 21.68             | 21.58             | 23                 |
|     |                      |       | 100     | 0         | 23.16             | 22.93             | 22.80             | 24                 |
|     |                      | Inner | 1       | 1         | 23.29             | 23.04             | 23.00             | 24                 |
|     |                      |       | 1       | 104       | 22.71             | 22.50             | 22.35             | 24                 |
|     |                      |       | 50      | 25        | 23.09             | 22.92             | 22.78             | 24                 |
|     | DFT-s-OFDM 256QAM    | Outer | 1       | 0         | 22.22             | 22.08             | 21.92             | 23                 |
|     |                      |       | 1       | 105       | 21.60             | 21.31             | 21.23             | 23                 |
|     |                      |       | 2       | 0         | 22.61             | 22.50             | 22.36             | 23                 |
|     |                      |       | 2       | 104       | 22.07             | 21.83             | 21.62             | 23                 |
|     |                      |       | 100     | 0         | 23.09             | 22.85             | 22.79             | 24                 |
|     |                      | Inner | 1       | 1         | 23.22             | 23.01             | 22.90             | 24                 |
|     |                      |       | 1       | 104       | 22.49             | 22.24             | 22.17             | 24                 |
|     |                      |       | 50      | 25        | 23.13             | 22.95             | 22.86             | 24                 |

| BW  | MCS Index            | RB    | RB Size | RB Offset | Low CH 648334     | Mid CH 656000     | High CH 663666    | Max. Tune-up (dBm) |
|-----|----------------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                      |       |         |           | Frequency 3725MHz | Frequency 3840MHz | Frequency 3955MHz |                    |
| 50M | DFT-s-OFDM Pi/2 BPSK | Outer | 1       | 0         | 22.56             | 22.38             | 22.24             | 23                 |
|     |                      |       | 1       | 132       | 21.91             | 21.70             | 21.63             | 23                 |
|     |                      |       | 2       | 0         | 22.71             | 22.45             | 22.37             | 23                 |
|     |                      |       | 2       | 131       | 21.95             | 21.79             | 21.66             | 23                 |
|     |                      | Inner | 128     | 0         | 23.13             | 22.97             | 22.78             | 24                 |
|     |                      |       | 1       | 1         | 23.68             | 23.41             | 23.36             | 24                 |
|     |                      |       | 1       | 131       | 23.06             | 22.86             | 22.62             | 24                 |
|     |                      |       | 64      | 32        | 23.11             | 22.83             | 22.74             | 24                 |
|     | DFT-s-OFDM QPSK      | Outer | 1       | 0         | 22.57             | 22.41             | 22.27             | 23                 |
|     |                      |       | 1       | 132       | 22.00             | 21.66             | 21.67             | 23                 |
|     |                      |       | 2       | 0         | 22.62             | 22.46             | 22.31             | 23                 |
|     |                      |       | 2       | 131       | 22.00             | 21.79             | 21.67             | 23                 |
|     |                      | Inner | 128     | 0         | 23.15             | 22.90             | 22.83             | 24                 |
|     |                      |       | 1       | 1         | 23.63             | 23.44             | 23.35             | 24                 |
|     |                      |       | 1       | 131       | 22.97             | 22.78             | 22.65             | 24                 |
|     |                      |       | 64      | 32        | 23.04             | 22.86             | 22.80             | 24                 |
|     | DFT-s-OFDM 16QAM     | Outer | 1       | 0         | 22.73             | 22.52             | 22.40             | 23                 |
|     |                      |       | 1       | 132       | 22.00             | 21.79             | 21.63             | 23                 |
|     |                      |       | 2       | 0         | 22.70             | 22.38             | 22.30             | 23                 |
|     |                      |       | 2       | 131       | 22.02             | 21.80             | 21.75             | 23                 |
|     |                      | Inner | 128     | 0         | 23.11             | 22.90             | 22.74             | 24                 |
|     |                      |       | 1       | 1         | 23.45             | 23.19             | 23.12             | 24                 |
|     |                      |       | 1       | 131       | 22.86             | 22.56             | 22.44             | 24                 |
|     |                      |       | 64      | 32        | 23.05             | 22.96             | 22.79             | 24                 |
|     | DFT-s-OFDM 64QAM     | Outer | 1       | 0         | 22.87             | 22.65             | 22.44             | 23                 |
|     |                      |       | 1       | 132       | 22.13             | 22.01             | 21.85             | 23                 |
|     |                      |       | 2       | 0         | 22.52             | 22.32             | 22.14             | 23                 |
|     |                      |       | 2       | 131       | 21.93             | 21.63             | 21.60             | 23                 |
|     |                      | Inner | 128     | 0         | 23.21             | 22.90             | 22.80             | 24                 |
|     |                      |       | 1       | 1         | 23.30             | 23.03             | 23.04             | 24                 |
|     |                      |       | 1       | 131       | 22.77             | 22.53             | 22.29             | 24                 |
|     |                      |       | 64      | 32        | 23.10             | 22.86             | 22.78             | 24                 |
|     | DFT-s-OFDM 256QAM    | Outer | 1       | 0         | 22.27             | 22.03             | 21.92             | 23                 |
|     |                      |       | 1       | 132       | 21.62             | 21.29             | 21.26             | 23                 |
|     |                      |       | 2       | 0         | 22.63             | 22.43             | 22.36             | 23                 |
|     |                      |       | 2       | 131       | 22.09             | 21.80             | 21.69             | 23                 |
|     |                      | Inner | 128     | 0         | 23.05             | 22.86             | 22.75             | 24                 |
|     |                      |       | 1       | 1         | 23.26             | 22.96             | 22.90             | 24                 |
|     |                      |       | 1       | 131       | 22.50             | 22.21             | 22.17             | 24                 |
|     |                      |       | 64      | 32        | 23.20             | 22.95             | 22.83             | 24                 |

| BW  | MCS Index            | RB    | RB Size | RB Offset | Low CH 648668     | Mid CH 656000     | High CH 663332    | Max. Tune-up (dBm) |
|-----|----------------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                      |       |         |           | Frequency 3730MHz | Frequency 3840MHz | Frequency 3950MHz |                    |
| 60M | DFT-s-OFDM Pi/2 BPSK | Outer | 1       | 0         | 22.55             | 22.43             | 22.23             | 23                 |
|     |                      |       | 1       | 161       | 21.86             | 21.73             | 21.63             | 23                 |
|     |                      |       | 2       | 0         | 22.72             | 22.48             | 22.33             | 23                 |
|     |                      |       | 2       | 160       | 21.91             | 21.83             | 21.66             | 23                 |
|     |                      |       | 162     | 0         | 23.17             | 22.93             | 22.82             | 24                 |
|     |                      | Inner | 1       | 1         | 23.64             | 23.38             | 23.38             | 24                 |
|     |                      |       | 1       | 160       | 23.10             | 22.86             | 22.62             | 24                 |
|     |                      |       | 81      | 40        | 23.08             | 22.80             | 22.72             | 24                 |
|     | DFT-s-OFDM QPSK      | Outer | 1       | 0         | 22.63             | 22.35             | 22.30             | 23                 |
|     |                      |       | 1       | 161       | 21.94             | 21.68             | 21.61             | 23                 |
|     |                      |       | 2       | 0         | 22.64             | 22.50             | 22.33             | 23                 |
|     |                      |       | 2       | 160       | 22.01             | 21.73             | 21.72             | 23                 |
|     |                      |       | 162     | 0         | 23.18             | 22.90             | 22.80             | 24                 |
|     |                      | Inner | 1       | 1         | 23.61             | 23.47             | 23.31             | 24                 |
|     |                      |       | 1       | 160       | 22.96             | 22.75             | 22.68             | 24                 |
|     |                      |       | 81      | 40        | 23.03             | 22.89             | 22.77             | 24                 |
|     | DFT-s-OFDM 16QAM     | Outer | 1       | 0         | 22.80             | 22.48             | 22.44             | 23                 |
|     |                      |       | 1       | 161       | 22.01             | 21.80             | 21.65             | 23                 |
|     |                      |       | 2       | 0         | 22.70             | 22.36             | 22.36             | 23                 |
|     |                      |       | 2       | 160       | 22.02             | 21.74             | 21.76             | 23                 |
|     |                      |       | 162     | 0         | 23.05             | 22.91             | 22.77             | 24                 |
|     |                      | Inner | 1       | 1         | 23.48             | 23.20             | 23.16             | 24                 |
|     |                      |       | 1       | 160       | 22.86             | 22.54             | 22.46             | 24                 |
|     |                      |       | 81      | 40        | 23.05             | 22.97             | 22.83             | 24                 |
|     | DFT-s-OFDM 64QAM     | Outer | 1       | 0         | 22.85             | 22.61             | 22.43             | 23                 |
|     |                      |       | 1       | 161       | 22.13             | 22.05             | 21.91             | 23                 |
|     |                      |       | 2       | 0         | 22.50             | 22.28             | 22.18             | 23                 |
|     |                      |       | 2       | 160       | 21.96             | 21.62             | 21.64             | 23                 |
|     |                      |       | 162     | 0         | 23.22             | 22.94             | 22.74             | 24                 |
|     |                      | Inner | 1       | 1         | 23.31             | 23.08             | 22.99             | 24                 |
|     |                      |       | 1       | 160       | 22.76             | 22.54             | 22.33             | 24                 |
|     |                      |       | 81      | 40        | 23.11             | 22.89             | 22.83             | 24                 |
|     | DFT-s-OFDM 256QAM    | Outer | 1       | 0         | 22.29             | 22.07             | 21.89             | 23                 |
|     |                      |       | 1       | 161       | 21.56             | 21.29             | 21.29             | 23                 |
|     |                      |       | 2       | 0         | 22.68             | 22.47             | 22.35             | 23                 |
|     |                      |       | 2       | 160       | 22.08             | 21.87             | 21.64             | 23                 |
|     |                      |       | 162     | 0         | 23.09             | 22.85             | 22.78             | 24                 |
|     |                      | Inner | 1       | 1         | 23.22             | 23.01             | 22.92             | 24                 |
|     |                      |       | 1       | 160       | 22.53             | 22.23             | 22.17             | 24                 |
|     |                      |       | 81      | 40        | 23.20             | 22.92             | 22.83             | 24                 |

| BW  | MCS Index            | RB    | RB Size | RB Offset | Low CH 649000     | Mid CH 656000     | High CH 663000    | Max. Tune-up (dBm) |
|-----|----------------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                      |       |         |           | Frequency 3735MHz | Frequency 3840MHz | Frequency 3945MHz |                    |
| 70M | DFT-s-OFDM Pi/2 BPSK | Outer | 1       | 0         | 22.58             | 22.39             | 22.27             | 23                 |
|     |                      |       | 1       | 188       | 21.92             | 21.73             | 21.57             | 23                 |
|     |                      |       | 2       | 0         | 22.70             | 22.50             | 22.34             | 23                 |
|     |                      |       | 2       | 187       | 21.97             | 21.77             | 21.66             | 23                 |
|     |                      | Inner | 180     | 0         | 23.15             | 22.90             | 22.81             | 24                 |
|     |                      |       | 1       | 1         | 23.68             | 23.39             | 23.35             | 24                 |
|     |                      |       | 1       | 187       | 23.05             | 22.80             | 22.68             | 24                 |
|     |                      |       | 90      | 45        | 23.12             | 22.86             | 22.70             | 24                 |
|     | DFT-s-OFDM QPSK      | Outer | 1       | 0         | 22.63             | 22.35             | 22.31             | 23                 |
|     |                      |       | 1       | 188       | 21.94             | 21.70             | 21.64             | 23                 |
|     |                      |       | 2       | 0         | 22.68             | 22.44             | 22.38             | 23                 |
|     |                      |       | 2       | 187       | 21.98             | 21.77             | 21.68             | 23                 |
|     |                      | Inner | 180     | 0         | 23.19             | 22.89             | 22.83             | 24                 |
|     |                      |       | 1       | 1         | 23.66             | 23.47             | 23.28             | 24                 |
|     |                      |       | 1       | 187       | 22.96             | 22.72             | 22.64             | 24                 |
|     |                      |       | 90      | 45        | 23.09             | 22.90             | 22.78             | 24                 |
|     | DFT-s-OFDM 16QAM     | Outer | 1       | 0         | 22.74             | 22.46             | 22.40             | 23                 |
|     |                      |       | 1       | 188       | 22.03             | 21.81             | 21.68             | 23                 |
|     |                      |       | 2       | 0         | 22.70             | 22.37             | 22.33             | 23                 |
|     |                      |       | 2       | 187       | 22.01             | 21.74             | 21.75             | 23                 |
|     |                      | Inner | 180     | 0         | 23.11             | 22.94             | 22.78             | 24                 |
|     |                      |       | 1       | 1         | 23.45             | 23.21             | 23.17             | 24                 |
|     |                      |       | 1       | 187       | 22.87             | 22.59             | 22.46             | 24                 |
|     |                      |       | 90      | 45        | 23.05             | 22.91             | 22.83             | 24                 |
|     | DFT-s-OFDM 64QAM     | Outer | 1       | 0         | 22.88             | 22.62             | 22.48             | 23                 |
|     |                      |       | 1       | 188       | 22.18             | 22.05             | 21.87             | 23                 |
|     |                      |       | 2       | 0         | 22.48             | 22.25             | 22.16             | 23                 |
|     |                      |       | 2       | 187       | 21.95             | 21.64             | 21.63             | 23                 |
|     |                      | Inner | 180     | 0         | 23.21             | 22.91             | 22.77             | 24                 |
|     |                      |       | 1       | 1         | 23.29             | 23.03             | 23.03             | 24                 |
|     |                      |       | 1       | 187       | 22.76             | 22.47             | 22.36             | 24                 |
|     |                      |       | 90      | 45        | 23.09             | 22.90             | 22.79             | 24                 |
|     | DFT-s-OFDM 256QAM    | Outer | 1       | 0         | 22.28             | 22.02             | 21.89             | 23                 |
|     |                      |       | 1       | 188       | 21.58             | 21.28             | 21.29             | 23                 |
|     |                      |       | 2       | 0         | 22.68             | 22.49             | 22.30             | 23                 |
|     |                      |       | 2       | 187       | 22.09             | 21.80             | 21.68             | 23                 |
|     |                      | Inner | 180     | 0         | 23.05             | 22.84             | 22.72             | 24                 |
|     |                      |       | 1       | 1         | 23.22             | 23.01             | 22.89             | 24                 |
|     |                      |       | 1       | 187       | 22.49             | 22.24             | 22.17             | 24                 |
|     |                      |       | 90      | 45        | 23.19             | 22.92             | 22.87             | 24                 |

| BW  | MCS Index            | RB    | RB Size | RB Offset | Low CH 649334     | Mid CH 656000     | High CH 662666    | Max. Tune-up (dBm) |
|-----|----------------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                      |       |         |           | Frequency 3740MHz | Frequency 3840MHz | Frequency 3940MHz |                    |
| 80M | DFT-s-OFDM Pi/2 BPSK | Outer | 1       | 0         | 22.56             | 22.38             | 22.24             | 23                 |
|     |                      |       | 1       | 216       | 21.91             | 21.70             | 21.63             | 23                 |
|     |                      |       | 2       | 0         | 22.71             | 22.45             | 22.37             | 23                 |
|     |                      |       | 2       | 215       | 21.95             | 21.79             | 21.66             | 23                 |
|     |                      |       | 216     | 0         | 23.13             | 22.97             | 22.78             | 24                 |
|     |                      | Inner | 1       | 1         | 23.64             | 23.39             | 23.35             | 24                 |
|     |                      |       | 1       | 215       | 23.04             | 22.83             | 22.68             | 24                 |
|     |                      |       | 108     | 54        | 23.05             | 22.86             | 22.72             | 24                 |
|     | DFT-s-OFDM QPSK      | Outer | 1       | 0         | 22.57             | 22.41             | 22.27             | 23                 |
|     |                      |       | 1       | 216       | 22.00             | 21.66             | 21.67             | 23                 |
|     |                      |       | 2       | 0         | 22.62             | 22.46             | 22.31             | 23                 |
|     |                      |       | 2       | 215       | 22.00             | 21.79             | 21.67             | 23                 |
|     |                      |       | 216     | 0         | 23.15             | 22.90             | 22.83             | 24                 |
|     |                      | Inner | 1       | 1         | 23.63             | 23.44             | 23.35             | 24                 |
|     |                      |       | 1       | 215       | 22.97             | 22.78             | 22.65             | 24                 |
|     |                      |       | 108     | 54        | 23.04             | 22.86             | 22.80             | 24                 |
|     | DFT-s-OFDM 16QAM     | Outer | 1       | 0         | 22.73             | 22.53             | 22.44             | 23                 |
|     |                      |       | 1       | 216       | 22.02             | 21.82             | 21.62             | 23                 |
|     |                      |       | 2       | 0         | 22.64             | 22.43             | 22.36             | 23                 |
|     |                      |       | 2       | 215       | 22.03             | 21.77             | 21.69             | 23                 |
|     |                      |       | 216     | 0         | 23.07             | 22.93             | 22.79             | 24                 |
|     |                      | Inner | 1       | 1         | 23.45             | 23.19             | 23.13             | 24                 |
|     |                      |       | 1       | 215       | 22.81             | 22.56             | 22.49             | 24                 |
|     |                      |       | 108     | 54        | 23.05             | 22.96             | 22.79             | 24                 |
|     | DFT-s-OFDM 64QAM     | Outer | 1       | 0         | 22.81             | 22.65             | 22.49             | 23                 |
|     |                      |       | 1       | 216       | 22.17             | 22.01             | 21.85             | 23                 |
|     |                      |       | 2       | 0         | 22.47             | 22.32             | 22.20             | 23                 |
|     |                      |       | 2       | 215       | 21.93             | 21.65             | 21.61             | 23                 |
|     |                      |       | 216     | 0         | 23.21             | 22.90             | 22.81             | 24                 |
|     |                      | Inner | 1       | 1         | 23.27             | 23.07             | 23.00             | 24                 |
|     |                      |       | 1       | 215       | 22.75             | 22.49             | 22.35             | 24                 |
|     |                      |       | 108     | 54        | 23.15             | 22.87             | 22.79             | 24                 |
|     | DFT-s-OFDM 256QAM    | Outer | 1       | 0         | 22.24             | 22.01             | 21.92             | 23                 |
|     |                      |       | 1       | 216       | 21.63             | 21.34             | 21.23             | 23                 |
|     |                      |       | 2       | 0         | 22.64             | 22.43             | 22.32             | 23                 |
|     |                      |       | 2       | 215       | 22.10             | 21.82             | 21.68             | 23                 |
|     |                      |       | 216     | 0         | 23.08             | 22.88             | 22.73             | 24                 |
|     |                      | Inner | 1       | 1         | 23.26             | 22.95             | 22.94             | 24                 |
|     |                      |       | 1       | 215       | 22.48             | 22.25             | 22.14             | 24                 |
|     |                      |       | 108     | 54        | 23.19             | 22.89             | 22.90             | 24                 |

| BW  | MCS Index            | RB    | RB Size | RB Offset | Low CH 649668     | Mid CH 656000     | High CH 662332    | Max. Tune-up (dBm) |
|-----|----------------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                      |       |         |           | Frequency 3745MHz | Frequency 3840MHz | Frequency 3935MHz |                    |
| 90M | DFT-s-OFDM Pi/2 BPSK | Outer | 1       | 0         | 22.60             | 22.41             | 22.21             | 23                 |
|     |                      |       | 1       | 244       | 21.89             | 21.75             | 21.59             | 23                 |
|     |                      |       | 2       | 0         | 22.74             | 22.52             | 22.34             | 23                 |
|     |                      |       | 2       | 243       | 21.93             | 21.79             | 21.70             | 23                 |
|     |                      |       | 240     | 0         | 23.20             | 22.96             | 22.78             | 24                 |
|     |                      | Inner | 1       | 1         | 23.69             | 23.41             | 23.32             | 24                 |
|     |                      |       | 1       | 243       | 23.05             | 22.85             | 22.66             | 24                 |
|     |                      |       | 120     | 60        | 23.11             | 22.81             | 22.73             | 24                 |
|     |                      |       |         |           |                   |                   |                   |                    |
|     | DFT-s-OFDM QPSK      | Outer | 1       | 0         | 22.61             | 22.38             | 22.30             | 23                 |
|     |                      |       | 1       | 244       | 21.96             | 21.72             | 21.66             | 23                 |
|     |                      |       | 2       | 0         | 22.68             | 22.44             | 22.38             | 23                 |
|     |                      |       | 2       | 243       | 21.98             | 21.77             | 21.68             | 23                 |
|     |                      |       | 240     | 0         | 23.19             | 22.89             | 22.83             | 24                 |
|     |                      | Inner | 1       | 1         | 23.59             | 23.42             | 23.34             | 24                 |
|     |                      |       | 1       | 243       | 23.02             | 22.76             | 22.67             | 24                 |
|     |                      |       | 120     | 60        | 23.08             | 22.90             | 22.76             | 24                 |
|     |                      |       |         |           |                   |                   |                   |                    |
|     | DFT-s-OFDM 16QAM     | Outer | 1       | 0         | 22.75             | 22.46             | 22.44             | 23                 |
|     |                      |       | 1       | 244       | 22.05             | 21.85             | 21.62             | 23                 |
|     |                      |       | 2       | 0         | 22.65             | 22.36             | 22.32             | 23                 |
|     |                      |       | 2       | 243       | 22.05             | 21.81             | 21.73             | 23                 |
|     |                      |       | 240     | 0         | 23.11             | 22.87             | 22.81             | 24                 |
|     |                      | Inner | 1       | 1         | 23.43             | 23.22             | 23.13             | 24                 |
|     |                      |       | 1       | 243       | 22.86             | 22.53             | 22.50             | 24                 |
|     |                      |       | 120     | 60        | 23.05             | 22.94             | 22.80             | 24                 |
|     |                      |       |         |           |                   |                   |                   |                    |
|     | DFT-s-OFDM 64QAM     | Outer | 1       | 0         | 22.86             | 22.60             | 22.49             | 23                 |
|     |                      |       | 1       | 244       | 22.19             | 21.99             | 21.88             | 23                 |
|     |                      |       | 2       | 0         | 22.49             | 22.25             | 22.20             | 23                 |
|     |                      |       | 2       | 243       | 21.97             | 21.68             | 21.57             | 23                 |
|     |                      |       | 240     | 0         | 23.16             | 22.90             | 22.76             | 24                 |
|     |                      | Inner | 1       | 1         | 23.32             | 23.05             | 23.03             | 24                 |
|     |                      |       | 1       | 243       | 22.76             | 22.48             | 22.32             | 24                 |
|     |                      |       | 120     | 60        | 23.11             | 22.86             | 22.82             | 24                 |
|     |                      |       |         |           |                   |                   |                   |                    |
|     | DFT-s-OFDM 256QAM    | Outer | 1       | 0         | 22.28             | 22.01             | 21.93             | 23                 |
|     |                      |       | 1       | 244       | 21.56             | 21.32             | 21.26             | 23                 |
|     |                      |       | 2       | 0         | 22.67             | 22.43             | 22.37             | 23                 |
|     |                      |       | 2       | 243       | 22.03             | 21.84             | 21.65             | 23                 |
|     |                      |       | 240     | 0         | 23.10             | 22.84             | 22.78             | 24                 |
|     |                      | Inner | 1       | 1         | 23.26             | 22.96             | 22.90             | 24                 |
|     |                      |       | 1       | 243       | 22.50             | 22.21             | 22.17             | 24                 |
|     |                      |       | 120     | 60        | 23.20             | 22.95             | 22.83             | 24                 |
|     |                      |       |         |           |                   |                   |                   |                    |

| BW   | MCS Index            | RB    | RB Size | RB Offset | Low CH 650000     | Mid CH 656000     | High CH 662000    | Max. Tune-up (dBm) |
|------|----------------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|      |                      |       |         |           | Frequency 3750MHz | Frequency 3840MHz | Frequency 3930MHz |                    |
| 100M | DFT-s-OFDM Pi/2 BPSK | Outer | 1       | 0         | 22.61             | 22.45             | 22.29             | 23                 |
|      |                      |       | 1       | 272       | 21.93             | 21.78             | 21.65             | 23                 |
|      |                      |       | 2       | 0         | 22.76             | 22.53             | 22.38             | 23                 |
|      |                      |       | 2       | 271       | 21.99             | 21.84             | 21.71             | 23                 |
|      |                      |       | 270     | 0         | 23.21             | 22.98             | 22.83             | 24                 |
|      |                      | Inner | 1       | 1         | 23.70             | 23.46             | 23.40             | 24                 |
|      |                      |       | 1       | 271       | 23.11             | 22.88             | 22.70             | 24                 |
|      |                      |       | 135     | 67        | 23.13             | 22.88             | 22.78             | 24                 |
|      | DFT-s-OFDM QPSK      | Outer | 1       | 0         | 22.65             | 22.43             | 22.32             | 23                 |
|      |                      |       | 1       | 272       | 22.02             | 21.74             | 21.69             | 23                 |
|      |                      |       | 2       | 0         | 22.70             | 22.52             | 22.39             | 23                 |
|      |                      |       | 2       | 271       | 22.06             | 21.81             | 21.73             | 23                 |
|      |                      |       | 270     | 0         | 23.22             | 22.95             | 22.85             | 24                 |
|      |                      | Inner | 1       | 1         | 23.67             | 23.49             | 23.36             | 24                 |
|      |                      |       | 1       | 271       | 23.03             | 22.80             | 22.70             | 24                 |
|      |                      |       | 135     | 67        | 23.11             | 22.91             | 22.82             | 24                 |
|      | DFT-s-OFDM 16QAM     | Outer | 1       | 0         | 22.81             | 22.54             | 22.46             | 23                 |
|      |                      |       | 1       | 272       | 22.06             | 21.87             | 21.70             | 23                 |
|      |                      |       | 2       | 0         | 22.72             | 22.44             | 22.38             | 23                 |
|      |                      |       | 2       | 271       | 22.07             | 21.82             | 21.77             | 23                 |
|      |                      |       | 270     | 0         | 23.13             | 22.95             | 22.82             | 24                 |
|      |                      | Inner | 1       | 1         | 23.51             | 23.26             | 23.18             | 24                 |
|      |                      |       | 1       | 271       | 22.88             | 22.61             | 22.51             | 24                 |
|      |                      |       | 135     | 67        | 23.13             | 22.98             | 22.85             | 24                 |
|      | DFT-s-OFDM 64QAM     | Outer | 1       | 0         | 22.89             | 22.66             | 22.51             | 23                 |
|      |                      |       | 1       | 272       | 22.21             | 22.06             | 21.93             | 23                 |
|      |                      |       | 2       | 0         | 22.55             | 22.33             | 22.22             | 23                 |
|      |                      |       | 2       | 271       | 21.98             | 21.70             | 21.65             | 23                 |
|      |                      |       | 270     | 0         | 23.23             | 22.98             | 22.82             | 24                 |
|      |                      | Inner | 1       | 1         | 23.35             | 23.11             | 23.05             | 24                 |
|      |                      |       | 1       | 271       | 22.78             | 22.55             | 22.37             | 24                 |
|      |                      |       | 135     | 67        | 23.17             | 22.94             | 22.84             | 24                 |
|      | DFT-s-OFDM 256QAM    | Outer | 1       | 0         | 22.30             | 22.09             | 21.94             | 23                 |
|      |                      |       | 1       | 272       | 21.64             | 21.36             | 21.31             | 23                 |
|      |                      |       | 2       | 0         | 22.69             | 22.51             | 22.38             | 23                 |
|      |                      |       | 2       | 271       | 22.11             | 21.88             | 21.70             | 23                 |
|      |                      |       | 270     | 0         | 23.13             | 22.90             | 22.80             | 24                 |
|      |                      | Inner | 1       | 1         | 23.28             | 23.03             | 22.95             | 24                 |
|      |                      |       | 1       | 271       | 22.56             | 22.29             | 22.19             | 24                 |
|      |                      |       | 135     | 67        | 23.21             | 22.97             | 22.91             | 24                 |



**BUREAU  
VERITAS**

**Test Report No.: W7L-P22020005RF03**

**N77C-LTE2**

| BW  | MCS Index      | RB    | RB Size | RB Offset | Low CH 647334     | Mid CH 656000     | High CH 664666    | Max. Tune-up (dBm) |
|-----|----------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                |       |         |           | Frequency 3710MHz | Frequency 3840MHz | Frequency 3970MHz |                    |
| 20M | CP-OFDM QPSK   | Outer | 1       | 0         | 22.47             | 22.27             | 22.27             | 23                 |
|     |                |       | 1       | 50        | 21.87             | 21.64             | 21.55             | 23                 |
|     |                |       | 2       | 0         | 22.64             | 22.51             | 22.48             | 23                 |
|     |                |       | 2       | 49        | 21.93             | 21.73             | 21.61             | 23                 |
|     |                |       | 51      | 0         | 22.55             | 22.43             | 22.40             | 23                 |
|     |                | Inner | 1       | 1         | 23.77             | 23.59             | 23.49             | 24                 |
|     |                |       | 1       | 49        | 22.95             | 22.75             | 22.71             | 24                 |
|     |                |       | 25      | 12        | 23.10             | 22.94             | 22.85             | 24                 |
|     | CP-OFDM 16QAM  | Outer | 1       | 0         | 22.70             | 22.57             | 22.55             | 23                 |
|     |                |       | 1       | 50        | 21.99             | 21.89             | 21.81             | 23                 |
|     |                |       | 2       | 0         | 22.64             | 22.38             | 22.44             | 23                 |
|     |                |       | 2       | 49        | 21.84             | 21.78             | 21.68             | 23                 |
|     |                |       | 51      | 0         | 22.64             | 22.44             | 22.44             | 23                 |
|     |                | Inner | 1       | 1         | 23.45             | 23.30             | 23.20             | 24                 |
|     |                |       | 1       | 49        | 22.67             | 22.53             | 22.54             | 24                 |
|     |                |       | 25      | 12        | 23.13             | 22.97             | 22.85             | 24                 |
|     | CP-OFDM 64QAM  | Outer | 1       | 0         | 22.67             | 22.58             | 22.49             | 23                 |
|     |                |       | 1       | 50        | 22.13             | 21.90             | 21.92             | 23                 |
|     |                |       | 2       | 0         | 22.51             | 22.34             | 22.26             | 23                 |
|     |                |       | 2       | 49        | 21.74             | 21.62             | 21.56             | 23                 |
|     |                |       | 51      | 0         | 22.15             | 21.92             | 21.98             | 23                 |
|     |                | Inner | 1       | 1         | 22.70             | 22.59             | 22.50             | 23                 |
|     |                |       | 1       | 49        | 22.09             | 21.86             | 21.89             | 23                 |
|     |                |       | 25      | 12        | 22.14             | 21.99             | 21.92             | 23                 |
|     | CP-OFDM 256QAM | Outer | 1       | 0         | 19.48             | 19.28             | 19.28             | 20                 |
|     |                |       | 1       | 50        | 18.97             | 18.73             | 18.69             | 20                 |
|     |                |       | 2       | 0         | 19.42             | 19.24             | 19.28             | 20                 |
|     |                |       | 2       | 49        | 18.88             | 18.67             | 18.60             | 20                 |
|     |                |       | 51      | 0         | 19.10             | 18.97             | 18.84             | 20                 |
|     |                | Inner | 1       | 1         | 19.56             | 19.38             | 19.29             | 20                 |
|     |                |       | 1       | 49        | 18.88             | 18.73             | 18.68             | 20                 |
|     |                |       | 25      | 12        | 19.13             | 18.99             | 18.89             | 20                 |

| BW  | MCS Index      | RB    | RB Size | RB Offset | Low CH 647668     | Mid CH 656000     | High CH 664332    | Max. Tune-up (dBm) |
|-----|----------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                |       |         |           | Frequency 3715MHz | Frequency 3840MHz | Frequency 3965MHz |                    |
| 30M | CP-OFDM QPSK   | Outer | 1       | 0         | 22.44             | 22.31             | 22.23             | 23                 |
|     |                |       | 1       | 77        | 21.81             | 21.64             | 21.61             | 23                 |
|     |                |       | 2       | 0         | 22.66             | 22.49             | 22.47             | 23                 |
|     |                |       | 2       | 76        | 21.87             | 21.79             | 21.61             | 23                 |
|     |                |       | 78      | 0         | 22.57             | 22.46             | 22.41             | 23                 |
|     |                | Inner | 1       | 1         | 23.72             | 23.59             | 23.52             | 24                 |
|     |                |       | 1       | 76        | 22.95             | 22.78             | 22.75             | 24                 |
|     |                |       | 39      | 19        | 23.04             | 22.93             | 22.84             | 24                 |
|     | CP-OFDM 16QAM  | Outer | 1       | 0         | 22.70             | 22.57             | 22.54             | 23                 |
|     |                |       | 1       | 77        | 21.99             | 21.87             | 21.78             | 23                 |
|     |                |       | 2       | 0         | 22.60             | 22.44             | 22.39             | 23                 |
|     |                |       | 2       | 76        | 21.87             | 21.74             | 21.72             | 23                 |
|     |                |       | 78      | 0         | 22.63             | 22.45             | 22.41             | 23                 |
|     |                | Inner | 1       | 1         | 23.41             | 23.29             | 23.23             | 24                 |
|     |                |       | 1       | 76        | 22.72             | 22.59             | 22.48             | 24                 |
|     |                |       | 39      | 19        | 23.09             | 22.91             | 22.87             | 24                 |
|     | CP-OFDM 64QAM  | Outer | 1       | 0         | 22.73             | 22.60             | 22.53             | 23                 |
|     |                |       | 1       | 77        | 22.11             | 21.89             | 21.89             | 23                 |
|     |                |       | 2       | 0         | 22.51             | 22.33             | 22.29             | 23                 |
|     |                |       | 2       | 76        | 21.75             | 21.62             | 21.57             | 23                 |
|     |                |       | 78      | 0         | 22.09             | 21.96             | 21.94             | 23                 |
|     |                | Inner | 1       | 1         | 22.75             | 22.57             | 22.53             | 23                 |
|     |                |       | 1       | 76        | 22.09             | 21.87             | 21.85             | 23                 |
|     |                |       | 39      | 19        | 22.14             | 22.02             | 21.95             | 23                 |
|     | CP-OFDM 256QAM | Outer | 1       | 0         | 19.47             | 19.29             | 19.22             | 20                 |
|     |                |       | 1       | 77        | 18.91             | 18.79             | 18.72             | 20                 |
|     |                |       | 2       | 0         | 19.43             | 19.27             | 19.26             | 20                 |
|     |                |       | 2       | 76        | 18.87             | 18.61             | 18.67             | 20                 |
|     |                |       | 78      | 0         | 19.10             | 18.97             | 18.84             | 20                 |
|     |                | Inner | 1       | 1         | 19.56             | 19.38             | 19.29             | 20                 |
|     |                |       | 1       | 76        | 18.88             | 18.73             | 18.68             | 20                 |
|     |                |       | 39      | 19        | 19.13             | 18.99             | 18.89             | 20                 |

| BW  | MCS Index      | RB    | RB Size | RB Offset | Low CH 648000     | Mid CH 656000     | High CH 664000    | Max. Tune-up (dBm) |
|-----|----------------|-------|---------|-----------|-------------------|-------------------|-------------------|--------------------|
|     |                |       |         |           | Frequency 3720MHz | Frequency 3840MHz | Frequency 3960MHz |                    |
| 40M | CP-OFDM QPSK   | Outer | 1       | 0         | 22.46             | 22.25             | 22.28             | 23                 |
|     |                |       | 1       | 105       | 21.85             | 21.63             | 21.59             | 23                 |
|     |                |       | 2       | 0         | 22.69             | 22.50             | 22.50             | 23                 |
|     |                |       | 2       | 104       | 21.90             | 21.79             | 21.60             | 23                 |
|     |                |       | 106     | 0         | 22.59             | 22.46             | 22.41             | 23                 |
|     |                | Inner | 1       | 1         | 23.71             | 23.59             | 23.49             | 24                 |
|     |                |       | 1       | 104       | 22.98             | 22.80             | 22.76             | 24                 |
|     |                |       | 53      | 26        | 23.11             | 22.89             | 22.86             | 24                 |
|     | CP-OFDM 16QAM  | Outer | 1       | 0         | 22.67             | 22.63             | 22.52             | 23                 |
|     |                |       | 1       | 105       | 22.05             | 21.90             | 21.80             | 23                 |
|     |                |       | 2       | 0         | 22.58             | 22.45             | 22.43             | 23                 |
|     |                |       | 2       | 104       | 21.88             | 21.77             | 21.65             | 23                 |
|     |                |       | 106     | 0         | 22.61             | 22.48             | 22.43             | 23                 |
|     |                | Inner | 1       | 1         | 23.42             | 23.29             | 23.24             | 24                 |
|     |                |       | 1       | 104       | 22.70             | 22.57             | 22.50             | 24                 |
|     |                |       | 53      | 26        | 23.07             | 22.94             | 22.91             | 24                 |
|     | CP-OFDM 64QAM  | Outer | 1       | 0         | 22.66             | 22.64             | 22.49             | 23                 |
|     |                |       | 1       | 105       | 22.14             | 21.88             | 21.93             | 23                 |
|     |                |       | 2       | 0         | 22.45             | 22.35             | 22.24             | 23                 |
|     |                |       | 2       | 104       | 21.79             | 21.66             | 21.56             | 23                 |
|     |                |       | 106     | 0         | 22.09             | 21.99             | 21.97             | 23                 |
|     |                | Inner | 1       | 1         | 22.76             | 22.57             | 22.47             | 23                 |
|     |                |       | 1       | 104       | 22.10             | 21.92             | 21.82             | 23                 |
|     |                |       | 53      | 26        | 22.17             | 21.95             | 21.93             | 23                 |
|     | CP-OFDM 256QAM | Outer | 1       | 0         | 19.50             | 19.32             | 19.22             | 20                 |
|     |                |       | 1       | 105       | 18.94             | 18.72             | 18.70             | 20                 |
|     |                |       | 2       | 0         | 19.46             | 19.29             | 19.24             | 20                 |
|     |                |       | 2       | 104       | 18.84             | 18.67             | 18.61             | 20                 |
|     |                |       | 106     | 0         | 19.04             | 18.96             | 18.90             | 20                 |
|     |                | Inner | 1       | 1         | 19.54             | 19.34             | 19.30             | 20                 |
|     |                |       | 1       | 104       | 18.83             | 18.69             | 18.70             | 20                 |
|     |                |       | 53      | 26        | 19.11             | 19.02             | 18.84             | 20                 |