



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 3               | 64QAM  | 1  | 0  | 21.37  | 21.49  | 21.48  | 23                  | 2        |
| 3               | 64QAM  | 1  | 8  | 21.46  | 21.53  | 21.30  |                     |          |
| 3               | 64QAM  | 1  | 14 | 21.28  | 21.44  | 21.45  |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.21  | 20.36  | 20.10  | 22                  | 3        |
| 3               | 64QAM  | 8  | 4  | 20.16  | 20.27  | 20.06  |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.04  | 20.15  | 20.07  |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.16  | 20.39  | 20.15  |                     |          |
| 3               | 256QAM | 1  | 0  | 18.23  | 18.38  | 18.34  | 20                  | 5        |
| 3               | 256QAM | 1  | 8  | 18.25  | 18.31  | 18.24  |                     |          |
| 3               | 256QAM | 1  | 14 | 18.31  | 18.45  | 18.19  |                     |          |
| 3               | 256QAM | 8  | 0  | 18.46  | 18.51  | 18.44  | 20                  | 5        |
| 3               | 256QAM | 8  | 4  | 18.36  | 18.48  | 18.35  |                     |          |
| 3               | 256QAM | 8  | 7  | 18.36  | 18.46  | 18.31  |                     |          |
| 3               | 256QAM | 15 | 0  | 18.34  | 18.49  | 18.40  |                     |          |
| Channel         |        |    |    | 19957  | 20175  | 20393  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1710.7 | 1732.5 | 1754.3 |                     |          |
| 1.4             | QPSK   | 1  | 0  | 23.22  | 23.42  | 23.21  | 25                  | 0        |
| 1.4             | QPSK   | 1  | 3  | 23.12  | 23.34  | 23.23  |                     |          |
| 1.4             | QPSK   | 1  | 5  | 23.38  | 23.42  | 23.22  |                     |          |
| 1.4             | QPSK   | 3  | 0  | 23.31  | 23.37  | 23.23  |                     |          |
| 1.4             | QPSK   | 3  | 1  | 23.18  | 23.29  | 23.18  |                     |          |
| 1.4             | QPSK   | 3  | 3  | 23.32  | 23.30  | 23.27  | 24                  | 1        |
| 1.4             | QPSK   | 6  | 0  | 22.26  | 22.32  | 22.29  |                     |          |
| 1.4             | 16QAM  | 1  | 0  | 22.48  | 22.56  | 22.49  | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 3  | 22.37  | 22.45  | 22.36  |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 22.39  | 22.60  | 22.42  |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 22.38  | 22.38  | 22.28  |                     |          |
| 1.4             | 16QAM  | 3  | 1  | 22.24  | 22.38  | 22.13  |                     |          |
| 1.4             | 16QAM  | 3  | 3  | 22.26  | 22.40  | 22.16  | 23                  | 2        |
| 1.4             | 16QAM  | 6  | 0  | 21.16  | 21.43  | 21.30  |                     |          |
| 1.4             | 64QAM  | 1  | 0  | 21.47  | 21.55  | 21.43  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 3  | 21.34  | 21.44  | 21.40  |                     |          |
| 1.4             | 64QAM  | 1  | 5  | 21.27  | 21.51  | 21.53  |                     |          |
| 1.4             | 64QAM  | 3  | 0  | 21.09  | 21.31  | 21.12  |                     |          |
| 1.4             | 64QAM  | 3  | 1  | 21.19  | 21.29  | 21.15  |                     |          |
| 1.4             | 64QAM  | 3  | 3  | 21.10  | 21.28  | 21.15  | 22                  | 3        |
| 1.4             | 64QAM  | 6  | 0  | 20.22  | 20.29  | 20.21  |                     |          |
| 1.4             | 256QAM | 1  | 0  | 18.26  | 18.42  | 18.38  | 20                  | 5        |
| 1.4             | 256QAM | 1  | 3  | 18.36  | 18.31  | 18.33  |                     |          |
| 1.4             | 256QAM | 1  | 5  | 18.31  | 18.36  | 18.30  |                     |          |
| 1.4             | 256QAM | 3  | 0  | 18.45  | 18.58  | 18.48  |                     |          |
| 1.4             | 256QAM | 3  | 1  | 18.39  | 18.41  | 18.43  |                     |          |
| 1.4             | 256QAM | 3  | 3  | 18.36  | 18.50  | 18.33  |                     |          |
| 1.4             | 256QAM | 6  | 0  | 18.32  | 18.52  | 18.44  | 20                  | 5        |



| Band 7 Ant2 Default |            |         |           |                       |                          |                        |                     |          |
|---------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel             |            |         |           | 20850                 | 21100                    | 21350                  |                     |          |
| Frequency (MHz)     |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20                  | QPSK       | 1       | 0         | 23.60                 | 23.72                    | 23.55                  | 25                  | 0        |
| 20                  | QPSK       | 1       | 49        | 23.50                 | 23.53                    | 23.47                  |                     |          |
| 20                  | QPSK       | 1       | 99        | 23.49                 | 23.61                    | 23.47                  |                     |          |
| 20                  | QPSK       | 50      | 0         | 22.78                 | 22.82                    | 22.74                  | 24                  | 1        |
| 20                  | QPSK       | 50      | 24        | 22.59                 | 22.75                    | 22.69                  |                     |          |
| 20                  | QPSK       | 50      | 50        | 22.62                 | 22.72                    | 22.56                  |                     |          |
| 20                  | QPSK       | 100     | 0         | 22.66                 | 22.77                    | 22.71                  | 24                  | 1        |
| 20                  | 16QAM      | 1       | 0         | 22.86                 | 22.96                    | 22.83                  |                     |          |
| 20                  | 16QAM      | 1       | 49        | 22.87                 | 22.93                    | 22.89                  |                     |          |
| 20                  | 16QAM      | 1       | 99        | 22.76                 | 22.88                    | 22.80                  | 23                  | 2        |
| 20                  | 16QAM      | 50      | 0         | 21.76                 | 21.88                    | 21.74                  |                     |          |
| 20                  | 16QAM      | 50      | 24        | 21.66                 | 21.81                    | 21.67                  |                     |          |
| 20                  | 16QAM      | 50      | 50        | 21.65                 | 21.75                    | 21.60                  | 23                  | 2        |
| 20                  | 16QAM      | 100     | 0         | 21.62                 | 21.75                    | 21.60                  |                     |          |
| 20                  | 64QAM      | 1       | 0         | 21.77                 | 21.91                    | 21.75                  |                     |          |
| 20                  | 64QAM      | 1       | 49        | 21.67                 | 21.80                    | 21.75                  | 23                  | 2        |
| 20                  | 64QAM      | 1       | 99        | 21.75                 | 21.81                    | 21.75                  |                     |          |
| 20                  | 64QAM      | 50      | 0         | 20.73                 | 20.86                    | 20.75                  |                     |          |
| 20                  | 64QAM      | 50      | 24        | 20.59                 | 20.72                    | 20.66                  | 22                  | 3        |
| 20                  | 64QAM      | 50      | 50        | 20.76                 | 20.82                    | 20.78                  |                     |          |
| 20                  | 64QAM      | 100     | 0         | 20.73                 | 20.78                    | 20.72                  |                     |          |
| 20                  | 256QAM     | 1       | 0         | 18.48                 | 18.76                    | 18.61                  | 20                  | 5        |
| 20                  | 256QAM     | 1       | 49        | 18.58                 | 18.62                    | 18.49                  |                     |          |
| 20                  | 256QAM     | 1       | 99        | 18.58                 | 18.59                    | 18.53                  |                     |          |
| 20                  | 256QAM     | 50      | 0         | 18.62                 | 18.73                    | 18.63                  | 20                  | 5        |
| 20                  | 256QAM     | 50      | 24        | 18.68                 | 18.69                    | 18.61                  |                     |          |
| 20                  | 256QAM     | 50      | 50        | 18.72                 | 18.73                    | 18.61                  |                     |          |
| 20                  | 256QAM     | 100     | 0         | 18.67                 | 18.72                    | 18.71                  |                     |          |
| Channel             |            |         |           | 20825                 | 21100                    | 21375                  |                     |          |
| Frequency (MHz)     |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |
| 15                  | QPSK       | 1       | 0         | 23.45                 | 23.56                    | 23.44                  |                     |          |
| 15                  | QPSK       | 1       | 37        | 23.41                 | 23.39                    | 23.34                  |                     |          |
| 15                  | QPSK       | 1       | 74        | 23.37                 | 23.44                    | 23.41                  |                     |          |
| 15                  | QPSK       | 36      | 0         | 22.63                 | 22.71                    | 22.68                  | 24                  | 1        |
| 15                  | QPSK       | 36      | 20        | 22.47                 | 22.59                    | 22.63                  |                     |          |
| 15                  | QPSK       | 36      | 39        | 22.58                 | 22.66                    | 22.42                  |                     |          |
| 15                  | QPSK       | 75      | 0         | 22.59                 | 22.63                    | 22.64                  | 24                  | 1        |
| 15                  | 16QAM      | 1       | 0         | 22.69                 | 22.82                    | 22.75                  |                     |          |
| 15                  | 16QAM      | 1       | 37        | 22.85                 | 22.86                    | 22.79                  |                     |          |
| 15                  | 16QAM      | 1       | 74        | 22.68                 | 22.83                    | 22.76                  |                     |          |



|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 15              | 16QAM  | 36 | 0  | 21.60 | 21.72 | 21.58 | 23                  | 2        |
| 15              | 16QAM  | 36 | 20 | 21.51 | 21.67 | 21.53 |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.51 | 21.68 | 21.53 |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.54 | 21.58 | 21.47 | 23                  | 2        |
| 15              | 64QAM  | 1  | 0  | 21.63 | 21.81 | 21.68 |                     |          |
| 15              | 64QAM  | 1  | 37 | 21.56 | 21.72 | 21.67 |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.63 | 21.72 | 21.62 | 22                  | 3        |
| 15              | 64QAM  | 36 | 0  | 20.61 | 20.83 | 20.69 |                     |          |
| 15              | 64QAM  | 36 | 20 | 20.42 | 20.67 | 20.59 |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.60 | 20.79 | 20.64 | 20                  | 5        |
| 15              | 64QAM  | 75 | 0  | 20.71 | 20.66 | 20.58 |                     |          |
| 15              | 256QAM | 1  | 0  | 18.51 | 18.72 | 18.67 |                     |          |
| 15              | 256QAM | 1  | 37 | 18.57 | 18.67 | 18.60 | 20                  | 5        |
| 15              | 256QAM | 1  | 74 | 18.65 | 18.60 | 18.52 |                     |          |
| 15              | 256QAM | 36 | 0  | 18.74 | 18.74 | 18.61 |                     |          |
| 15              | 256QAM | 36 | 20 | 18.69 | 18.65 | 18.63 | 20                  | 5        |
| 15              | 256QAM | 36 | 39 | 18.66 | 18.77 | 18.65 |                     |          |
| 15              | 256QAM | 75 | 0  | 18.63 | 18.79 | 18.70 |                     |          |
| Channel         |        |    |    | 20800 | 21100 | 21400 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 2505  | 2535  | 2565  |                     |          |
| 10              | QPSK   | 1  | 0  | 23.55 | 23.65 | 23.46 | 25                  | 0        |
| 10              | QPSK   | 1  | 25 | 23.35 | 23.50 | 23.38 |                     |          |
| 10              | QPSK   | 1  | 49 | 23.34 | 23.47 | 23.39 |                     |          |
| 10              | QPSK   | 25 | 0  | 22.62 | 22.80 | 22.64 | 24                  | 1        |
| 10              | QPSK   | 25 | 12 | 22.53 | 22.61 | 22.60 |                     |          |
| 10              | QPSK   | 25 | 25 | 22.46 | 22.60 | 22.53 |                     |          |
| 10              | QPSK   | 50 | 0  | 22.64 | 22.64 | 22.64 | 24                  | 1        |
| 10              | 16QAM  | 1  | 0  | 22.79 | 22.90 | 22.67 |                     |          |
| 10              | 16QAM  | 1  | 25 | 22.73 | 22.78 | 22.86 |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.70 | 22.80 | 22.75 | 23                  | 2        |
| 10              | 16QAM  | 25 | 0  | 21.73 | 21.72 | 21.68 |                     |          |
| 10              | 16QAM  | 25 | 12 | 21.61 | 21.70 | 21.60 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.49 | 21.60 | 21.52 | 23                  | 2        |
| 10              | 16QAM  | 50 | 0  | 21.51 | 21.59 | 21.55 |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.75 | 21.85 | 21.62 |                     |          |
| 10              | 64QAM  | 1  | 25 | 21.62 | 21.78 | 21.60 | 23                  | 2        |
| 10              | 64QAM  | 1  | 49 | 21.71 | 21.68 | 21.62 |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.62 | 20.78 | 20.67 |                     |          |
| 10              | 64QAM  | 25 | 12 | 20.57 | 20.68 | 20.53 | 22                  | 3        |
| 10              | 64QAM  | 25 | 25 | 20.63 | 20.76 | 20.69 |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.59 | 20.72 | 20.64 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.57 | 18.65 | 18.65 | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.50 | 18.61 | 18.62 |                     |          |
| 10              | 256QAM | 1  | 49 | 18.57 | 18.71 | 18.42 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.62 | 18.73 | 18.70 | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.70 | 18.72 | 18.72 |                     |          |
| 10              | 256QAM | 25 | 25 | 18.64 | 18.75 | 18.51 |                     |          |



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| 10              | 256QAM | 50 | 0  | 18.64  | 18.65 | 18.71  |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| Channel         |        |    |    | 20775  | 21100 | 21425  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 2502.5 | 2535  | 2567.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 23.56  | 23.63 | 23.42  | 25                  | 0        |
| 5               | QPSK   | 1  | 12 | 23.38  | 23.47 | 23.40  |                     |          |
| 5               | QPSK   | 1  | 24 | 23.43  | 23.58 | 23.37  |                     |          |
| 5               | QPSK   | 12 | 0  | 22.74  | 22.77 | 22.63  | 24                  | 1        |
| 5               | QPSK   | 12 | 7  | 22.54  | 22.63 | 22.64  |                     |          |
| 5               | QPSK   | 12 | 13 | 22.52  | 22.67 | 22.43  |                     |          |
| 5               | QPSK   | 25 | 0  | 22.50  | 22.69 | 22.56  | 24                  | 1        |
| 5               | 16QAM  | 1  | 0  | 22.72  | 22.81 | 22.78  |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.83  | 22.83 | 22.83  |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.70  | 22.84 | 22.69  | 23                  | 2        |
| 5               | 16QAM  | 12 | 0  | 21.62  | 21.86 | 21.61  |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.57  | 21.78 | 21.62  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.60  | 21.72 | 21.47  | 22                  | 3        |
| 5               | 16QAM  | 25 | 0  | 21.59  | 21.64 | 21.45  |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.61  | 21.80 | 21.68  |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.55  | 21.76 | 21.64  | 23                  | 2        |
| 5               | 64QAM  | 1  | 24 | 21.59  | 21.76 | 21.71  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.68  | 20.78 | 20.68  |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.50  | 20.62 | 20.55  | 22                  | 3        |
| 5               | 64QAM  | 12 | 13 | 20.66  | 20.79 | 20.67  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.67  | 20.66 | 20.62  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.60  | 18.70 | 18.57  | 20                  | 5        |
| 5               | 256QAM | 1  | 12 | 18.57  | 18.64 | 18.54  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.66  | 18.68 | 18.46  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.64  | 18.83 | 18.70  | 20                  | 5        |
| 5               | 256QAM | 12 | 7  | 18.61  | 18.66 | 18.71  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.71  | 18.73 | 18.66  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.64  | 18.69 | 18.69  |                     |          |



| Band 25 Ant2 Default |            |         |           |                       |                          |                        |                     |          |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel              |            |         |           | 26140                 | 26340                    | 26590                  |                     |          |
| Frequency (MHz)      |            |         |           | 1860                  | 1880                     | 1905                   |                     |          |
| 20                   | QPSK       | 1       | 0         | 23.39                 | 23.50                    | 23.41                  | 25                  | 0        |
| 20                   | QPSK       | 1       | 49        | 23.37                 | 23.40                    | 23.36                  |                     |          |
| 20                   | QPSK       | 1       | 99        | 23.22                 | 23.36                    | 23.20                  |                     |          |
| 20                   | QPSK       | 50      | 0         | 22.43                 | 22.57                    | 22.44                  | 24                  | 1        |
| 20                   | QPSK       | 50      | 24        | 22.43                 | 22.50                    | 22.37                  |                     |          |
| 20                   | QPSK       | 50      | 50        | 22.38                 | 22.52                    | 22.42                  |                     |          |
| 20                   | QPSK       | 100     | 0         | 22.54                 | 22.58                    | 22.51                  | 24                  | 1        |
| 20                   | 16QAM      | 1       | 0         | 22.54                 | 22.66                    | 22.58                  |                     |          |
| 20                   | 16QAM      | 1       | 49        | 22.51                 | 22.62                    | 22.55                  |                     |          |
| 20                   | 16QAM      | 1       | 99        | 22.44                 | 22.53                    | 22.39                  | 23                  | 2        |
| 20                   | 16QAM      | 50      | 0         | 21.37                 | 21.43                    | 21.40                  |                     |          |
| 20                   | 16QAM      | 50      | 24        | 21.21                 | 21.36                    | 21.23                  |                     |          |
| 20                   | 16QAM      | 50      | 50        | 21.28                 | 21.38                    | 21.31                  | 23                  | 2        |
| 20                   | 16QAM      | 100     | 0         | 21.48                 | 21.63                    | 21.59                  |                     |          |
| 20                   | 64QAM      | 1       | 0         | 21.36                 | 21.49                    | 21.38                  |                     |          |
| 20                   | 64QAM      | 1       | 49        | 21.36                 | 21.43                    | 21.40                  | 22                  | 3        |
| 20                   | 64QAM      | 1       | 99        | 21.20                 | 21.36                    | 21.27                  |                     |          |
| 20                   | 64QAM      | 50      | 0         | 20.33                 | 20.46                    | 20.30                  |                     |          |
| 20                   | 64QAM      | 50      | 24        | 20.32                 | 20.36                    | 20.23                  | 20                  | 5        |
| 20                   | 64QAM      | 50      | 50        | 20.30                 | 20.43                    | 20.27                  |                     |          |
| 20                   | 64QAM      | 100     | 0         | 20.45                 | 20.55                    | 20.48                  |                     |          |
| 20                   | 256QAM     | 1       | 0         | 18.42                 | 18.57                    | 18.38                  | 20                  | 5        |
| 20                   | 256QAM     | 1       | 49        | 18.42                 | 18.46                    | 18.37                  |                     |          |
| 20                   | 256QAM     | 1       | 99        | 18.49                 | 18.45                    | 18.30                  |                     |          |
| 20                   | 256QAM     | 50      | 0         | 18.48                 | 18.69                    | 18.43                  | 20                  | 5        |
| 20                   | 256QAM     | 50      | 24        | 18.54                 | 18.55                    | 18.41                  |                     |          |
| 20                   | 256QAM     | 50      | 50        | 18.56                 | 18.53                    | 18.38                  |                     |          |
| 20                   | 256QAM     | 100     | 0         | 18.45                 | 18.58                    | 18.43                  |                     |          |
| Channel              |            |         |           | 26115                 | 26340                    | 26615                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)      |            |         |           | 1857.5                | 1880                     | 1907.5                 |                     |          |
| 15                   | QPSK       | 1       | 0         | 23.23                 | 23.34                    | 23.37                  | 25                  | 0        |
| 15                   | QPSK       | 1       | 37        | 23.23                 | 23.24                    | 23.20                  |                     |          |
| 15                   | QPSK       | 1       | 74        | 23.14                 | 23.27                    | 23.08                  |                     |          |
| 15                   | QPSK       | 36      | 0         | 22.28                 | 22.53                    | 22.30                  | 24                  | 1        |
| 15                   | QPSK       | 36      | 20        | 22.40                 | 22.46                    | 22.33                  |                     |          |
| 15                   | QPSK       | 36      | 39        | 22.32                 | 22.39                    | 22.37                  |                     |          |
| 15                   | QPSK       | 75      | 0         | 22.47                 | 22.41                    | 22.48                  | 24                  | 1        |
| 15                   | 16QAM      | 1       | 0         | 22.41                 | 22.54                    | 22.42                  |                     |          |
| 15                   | 16QAM      | 1       | 37        | 22.35                 | 22.49                    | 22.44                  |                     |          |
| 15                   | 16QAM      | 1       | 74        | 22.32                 | 22.44                    | 22.27                  |                     |          |



|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 15              | 16QAM  | 36 | 0  | 21.33 | 21.38 | 21.30 | 23                  | 2        |
| 15              | 16QAM  | 36 | 20 | 21.05 | 21.25 | 21.20 |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.12 | 21.30 | 21.21 |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.39 | 21.54 | 21.42 | 23                  | 2        |
| 15              | 64QAM  | 1  | 0  | 21.28 | 21.33 | 21.23 |                     |          |
| 15              | 64QAM  | 1  | 37 | 21.21 | 21.37 | 21.36 |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.08 | 21.25 | 21.11 | 22                  | 3        |
| 15              | 64QAM  | 36 | 0  | 20.25 | 20.44 | 20.17 |                     |          |
| 15              | 64QAM  | 36 | 20 | 20.22 | 20.29 | 20.20 |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.18 | 20.28 | 20.19 | 20                  | 5        |
| 15              | 64QAM  | 75 | 0  | 20.31 | 20.45 | 20.43 |                     |          |
| 15              | 256QAM | 1  | 0  | 18.32 | 18.48 | 18.47 |                     |          |
| 15              | 256QAM | 1  | 37 | 18.39 | 18.45 | 18.36 | 20                  | 5        |
| 15              | 256QAM | 1  | 74 | 18.38 | 18.39 | 18.27 |                     |          |
| 15              | 256QAM | 36 | 0  | 18.48 | 18.63 | 18.44 |                     |          |
| 15              | 256QAM | 36 | 20 | 18.50 | 18.46 | 18.45 | 20                  | 5        |
| 15              | 256QAM | 36 | 39 | 18.54 | 18.51 | 18.43 |                     |          |
| 15              | 256QAM | 75 | 0  | 18.53 | 18.53 | 18.49 |                     |          |
| Channel         |        |    |    | 26090 | 26340 | 26640 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1855  | 1880  | 1910  |                     |          |
| 10              | QPSK   | 1  | 0  | 23.25 | 23.48 | 23.31 | 25                  | 0        |
| 10              | QPSK   | 1  | 25 | 23.29 | 23.32 | 23.24 |                     |          |
| 10              | QPSK   | 1  | 49 | 23.11 | 23.28 | 23.16 |                     |          |
| 10              | QPSK   | 25 | 0  | 22.28 | 22.52 | 22.30 | 24                  | 1        |
| 10              | QPSK   | 25 | 12 | 22.28 | 22.48 | 22.23 |                     |          |
| 10              | QPSK   | 25 | 25 | 22.28 | 22.42 | 22.25 |                     |          |
| 10              | QPSK   | 50 | 0  | 22.51 | 22.44 | 22.35 | 24                  | 1        |
| 10              | 16QAM  | 1  | 0  | 22.44 | 22.53 | 22.49 |                     |          |
| 10              | 16QAM  | 1  | 25 | 22.35 | 22.56 | 22.44 |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.41 | 22.51 | 22.24 | 23                  | 2        |
| 10              | 16QAM  | 25 | 0  | 21.26 | 21.36 | 21.38 |                     |          |
| 10              | 16QAM  | 25 | 12 | 21.04 | 21.33 | 21.13 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.11 | 21.33 | 21.20 | 23                  | 2        |
| 10              | 16QAM  | 50 | 0  | 21.31 | 21.47 | 21.50 |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.20 | 21.37 | 21.34 |                     |          |
| 10              | 64QAM  | 1  | 25 | 21.32 | 21.39 | 21.31 | 23                  | 2        |
| 10              | 64QAM  | 1  | 49 | 21.09 | 21.28 | 21.21 |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.21 | 20.39 | 20.27 |                     |          |
| 10              | 64QAM  | 25 | 12 | 20.26 | 20.31 | 20.09 | 22                  | 3        |
| 10              | 64QAM  | 25 | 25 | 20.26 | 20.36 | 20.23 |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.42 | 20.41 | 20.43 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.42 | 18.46 | 18.46 | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.33 | 18.45 | 18.46 |                     |          |
| 10              | 256QAM | 1  | 49 | 18.39 | 18.53 | 18.34 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.49 | 18.54 | 18.52 | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.51 | 18.53 | 18.49 |                     |          |
| 10              | 256QAM | 25 | 25 | 18.53 | 18.52 | 18.43 |                     |          |



| 10              | 256QAM | 50 | 0  | 18.50  | 18.58 | 18.44  |                     |          |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|---------------------|----------|
| Channel         |        |    |    | 26065  | 26340 | 26665  | Tune-up limit (dBm) | MPR (dB) |                     |          |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1912.5 |                     |          |                     |          |
| 5               | QPSK   | 1  | 0  | 23.37  | 23.41 | 23.36  | 25                  | 0        |                     |          |
| 5               | QPSK   | 1  | 12 | 23.25  | 23.37 | 23.27  |                     |          |                     |          |
| 5               | QPSK   | 1  | 24 | 23.11  | 23.19 | 23.07  |                     |          |                     |          |
| 5               | QPSK   | 12 | 0  | 22.40  | 22.41 | 22.34  | 24                  | 1        |                     |          |
| 5               | QPSK   | 12 | 7  | 22.35  | 22.46 | 22.25  |                     |          |                     |          |
| 5               | QPSK   | 12 | 13 | 22.29  | 22.42 | 22.31  |                     |          |                     |          |
| 5               | QPSK   | 25 | 0  | 22.47  | 22.51 | 22.46  | 24                  | 1        |                     |          |
| 5               | 16QAM  | 1  | 0  | 22.45  | 22.61 | 22.53  |                     |          |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.40  | 22.58 | 22.38  |                     |          |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.30  | 22.36 | 22.35  | 23                  | 2        |                     |          |
| 5               | 16QAM  | 12 | 0  | 21.26  | 21.31 | 21.24  |                     |          |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.08  | 21.22 | 21.12  |                     |          |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.20  | 21.31 | 21.17  | 23                  | 2        |                     |          |
| 5               | 16QAM  | 25 | 0  | 21.41  | 21.53 | 21.48  |                     |          |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.26  | 21.38 | 21.21  |                     |          |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.25  | 21.33 | 21.35  | 23                  | 2        |                     |          |
| 5               | 64QAM  | 1  | 24 | 21.13  | 21.28 | 21.24  |                     |          |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.19  | 20.36 | 20.19  |                     |          |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.20  | 20.33 | 20.11  | 22                  | 3        |                     |          |
| 5               | 64QAM  | 12 | 13 | 20.19  | 20.36 | 20.11  |                     |          |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.31  | 20.52 | 20.34  |                     |          |                     |          |
| 5               | 256QAM | 1  | 0  | 18.37  | 18.46 | 18.47  | 20                  | 5        |                     |          |
| 5               | 256QAM | 1  | 12 | 18.43  | 18.44 | 18.37  |                     |          |                     |          |
| 5               | 256QAM | 1  | 24 | 18.35  | 18.53 | 18.31  |                     |          |                     |          |
| 5               | 256QAM | 12 | 0  | 18.53  | 18.65 | 18.48  | 20                  | 5        |                     |          |
| 5               | 256QAM | 12 | 7  | 18.45  | 18.46 | 18.45  |                     |          |                     |          |
| 5               | 256QAM | 12 | 13 | 18.45  | 18.61 | 18.45  |                     |          |                     |          |
| 5               | 256QAM | 25 | 0  | 18.49  | 18.48 | 18.42  | 20                  | 5        |                     |          |
| Channel         |        |    |    | 26055  | 26340 | 26675  |                     |          | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1913.5 |                     |          |                     |          |
| 3               | QPSK   | 1  | 0  | 23.25  | 23.41 | 23.28  | 25                  | 0        |                     |          |
| 3               | QPSK   | 1  | 8  | 23.22  | 23.32 | 23.29  |                     |          |                     |          |
| 3               | QPSK   | 1  | 14 | 23.12  | 23.28 | 23.13  |                     |          |                     |          |
| 3               | QPSK   | 8  | 0  | 22.36  | 22.53 | 22.32  | 24                  | 1        |                     |          |
| 3               | QPSK   | 8  | 4  | 22.37  | 22.48 | 22.31  |                     |          |                     |          |
| 3               | QPSK   | 8  | 7  | 22.35  | 22.49 | 22.25  |                     |          |                     |          |
| 3               | QPSK   | 15 | 0  | 22.48  | 22.42 | 22.42  | 24                  | 1        |                     |          |
| 3               | 16QAM  | 1  | 0  | 22.49  | 22.57 | 22.46  |                     |          |                     |          |
| 3               | 16QAM  | 1  | 8  | 22.45  | 22.59 | 22.53  |                     |          |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.29  | 22.49 | 22.34  | 23                  | 2        |                     |          |
| 3               | 16QAM  | 8  | 0  | 21.22  | 21.30 | 21.35  |                     |          |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.07  | 21.31 | 21.13  |                     |          |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.15  | 21.36 | 21.29  | 23                  | 2        |                     |          |
| 3               | 16QAM  | 15 | 0  | 21.32  | 21.47 | 21.47  |                     |          |                     |          |



**FCC SAR Test Report**

**Report No. : FA311602**

|                 |        |    |    |        |       |        |    |   |
|-----------------|--------|----|----|--------|-------|--------|----|---|
| 3               | 64QAM  | 1  | 0  | 21.29  | 21.41 | 21.33  | 23 | 2 |
| 3               | 64QAM  | 1  | 8  | 21.21  | 21.41 | 21.32  |    |   |
| 3               | 64QAM  | 1  | 14 | 21.09  | 21.21 | 21.24  |    |   |
| 3               | 64QAM  | 8  | 0  | 20.18  | 20.32 | 20.26  | 22 | 3 |
| 3               | 64QAM  | 8  | 4  | 20.26  | 20.26 | 20.11  |    |   |
| 3               | 64QAM  | 8  | 7  | 20.20  | 20.37 | 20.20  |    |   |
| 3               | 64QAM  | 15 | 0  | 20.36  | 20.39 | 20.45  | 20 | 5 |
| 3               | 256QAM | 1  | 0  | 18.31  | 18.52 | 18.46  |    |   |
| 3               | 256QAM | 1  | 8  | 18.31  | 18.46 | 18.44  |    |   |
| 3               | 256QAM | 1  | 14 | 18.49  | 18.39 | 18.34  | 20 | 5 |
| 3               | 256QAM | 8  | 0  | 18.57  | 18.64 | 18.57  |    |   |
| 3               | 256QAM | 8  | 4  | 18.45  | 18.54 | 18.49  |    |   |
| 3               | 256QAM | 8  | 7  | 18.54  | 18.55 | 18.46  | 20 | 5 |
| 3               | 256QAM | 15 | 0  | 18.52  | 18.48 | 18.43  |    |   |
| Channel         |        |    |    | 26047  | 26340 | 26683  |    |   |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1914.3 |    |   |
| 1.4             | QPSK   | 1  | 0  | 23.30  | 23.46 | 23.38  | 25 | 0 |
| 1.4             | QPSK   | 1  | 3  | 23.21  | 23.36 | 23.31  |    |   |
| 1.4             | QPSK   | 1  | 5  | 23.11  | 23.23 | 23.05  |    |   |
| 1.4             | QPSK   | 3  | 0  | 23.29  | 23.47 | 23.41  |    |   |
| 1.4             | QPSK   | 3  | 1  | 23.38  | 23.35 | 23.26  |    |   |
| 1.4             | QPSK   | 3  | 3  | 23.28  | 23.35 | 23.31  | 24 | 1 |
| 1.4             | QPSK   | 6  | 0  | 22.48  | 22.53 | 22.47  |    |   |
| 1.4             | 16QAM  | 1  | 0  | 22.41  | 22.61 | 22.42  | 24 | 1 |
| 1.4             | 16QAM  | 1  | 3  | 22.47  | 22.54 | 22.49  |    |   |
| 1.4             | 16QAM  | 1  | 5  | 22.31  | 22.46 | 22.37  |    |   |
| 1.4             | 16QAM  | 3  | 0  | 22.23  | 22.28 | 22.34  |    |   |
| 1.4             | 16QAM  | 3  | 1  | 22.11  | 22.31 | 22.13  |    |   |
| 1.4             | 16QAM  | 3  | 3  | 22.12  | 22.34 | 22.26  | 23 | 2 |
| 1.4             | 16QAM  | 6  | 0  | 21.37  | 21.53 | 21.46  |    |   |
| 1.4             | 64QAM  | 1  | 0  | 21.32  | 21.32 | 21.34  | 23 | 2 |
| 1.4             | 64QAM  | 1  | 3  | 21.32  | 21.32 | 21.35  |    |   |
| 1.4             | 64QAM  | 1  | 5  | 21.03  | 21.28 | 21.11  |    |   |
| 1.4             | 64QAM  | 3  | 0  | 21.24  | 21.39 | 21.22  |    |   |
| 1.4             | 64QAM  | 3  | 1  | 21.18  | 21.23 | 21.17  |    |   |
| 1.4             | 64QAM  | 3  | 3  | 21.23  | 21.32 | 21.18  | 22 | 3 |
| 1.4             | 64QAM  | 6  | 0  | 20.37  | 20.46 | 20.35  |    |   |
| 1.4             | 256QAM | 1  | 0  | 18.31  | 18.48 | 18.37  | 20 | 5 |
| 1.4             | 256QAM | 1  | 3  | 18.43  | 18.41 | 18.39  |    |   |
| 1.4             | 256QAM | 1  | 5  | 18.45  | 18.51 | 18.37  |    |   |
| 1.4             | 256QAM | 3  | 0  | 18.57  | 18.59 | 18.57  |    |   |
| 1.4             | 256QAM | 3  | 1  | 18.51  | 18.53 | 18.49  |    |   |
| 1.4             | 256QAM | 3  | 3  | 18.52  | 18.64 | 18.45  | 20 | 5 |
| 1.4             | 256QAM | 6  | 0  | 18.53  | 18.55 | 18.46  |    |   |





| Band 66 Ant2 Default |            |         |           |                       |                          |                        |                     |          |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel              |            |         |           | 132072                | 132322                   | 132572                 |                     |          |
| Frequency (MHz)      |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |
| 20                   | QPSK       | 1       | 0         | 23.42                 | 23.60                    | 23.47                  | 25                  | 0        |
| 20                   | QPSK       | 1       | 49        | 23.39                 | 23.50                    | 23.44                  |                     |          |
| 20                   | QPSK       | 1       | 99        | 23.37                 | 23.49                    | 23.41                  |                     |          |
| 20                   | QPSK       | 50      | 0         | 22.60                 | 22.64                    | 22.48                  | 24                  | 1        |
| 20                   | QPSK       | 50      | 24        | 22.44                 | 22.55                    | 22.39                  |                     |          |
| 20                   | QPSK       | 50      | 50        | 22.40                 | 22.47                    | 22.41                  |                     |          |
| 20                   | QPSK       | 100     | 0         | 22.45                 | 22.51                    | 22.34                  |                     |          |
| 20                   | 16QAM      | 1       | 0         | 22.69                 | 22.71                    | 22.59                  | 24                  | 1        |
| 20                   | 16QAM      | 1       | 49        | 22.49                 | 22.57                    | 22.48                  |                     |          |
| 20                   | 16QAM      | 1       | 99        | 22.52                 | 22.63                    | 22.60                  |                     |          |
| 20                   | 16QAM      | 50      | 0         | 21.47                 | 21.56                    | 21.46                  | 23                  | 2        |
| 20                   | 16QAM      | 50      | 24        | 21.41                 | 21.43                    | 21.39                  |                     |          |
| 20                   | 16QAM      | 50      | 50        | 21.27                 | 21.41                    | 21.35                  |                     |          |
| 20                   | 16QAM      | 100     | 0         | 21.45                 | 21.58                    | 21.47                  |                     |          |
| 20                   | 64QAM      | 1       | 0         | 21.46                 | 21.60                    | 21.56                  | 23                  | 2        |
| 20                   | 64QAM      | 1       | 49        | 21.30                 | 21.45                    | 21.43                  |                     |          |
| 20                   | 64QAM      | 1       | 99        | 21.45                 | 21.57                    | 21.49                  |                     |          |
| 20                   | 64QAM      | 50      | 0         | 20.44                 | 20.56                    | 20.41                  |                     |          |
| 20                   | 64QAM      | 50      | 24        | 20.39                 | 20.45                    | 20.33                  | 22                  | 3        |
| 20                   | 64QAM      | 50      | 50        | 20.34                 | 20.45                    | 20.39                  |                     |          |
| 20                   | 64QAM      | 100     | 0         | 20.44                 | 20.52                    | 20.46                  |                     |          |
| 20                   | 256QAM     | 1       | 0         | 18.37                 | 18.54                    | 18.47                  |                     |          |
| 20                   | 256QAM     | 1       | 49        | 18.31                 | 18.45                    | 18.37                  | 20                  | 5        |
| 20                   | 256QAM     | 1       | 99        | 18.36                 | 18.48                    | 18.38                  |                     |          |
| 20                   | 256QAM     | 50      | 0         | 18.56                 | 18.56                    | 18.43                  |                     |          |
| 20                   | 256QAM     | 50      | 24        | 18.48                 | 18.52                    | 18.46                  | 20                  | 5        |
| 20                   | 256QAM     | 50      | 50        | 18.55                 | 18.62                    | 18.41                  |                     |          |
| 20                   | 256QAM     | 100     | 0         | 18.45                 | 18.56                    | 18.51                  |                     |          |
| Channel              |            |         |           | 132047                | 132322                   | 132597                 |                     |          |
| Frequency (MHz)      |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |
| 15                   | QPSK       | 1       | 0         | 23.27                 | 23.46                    | 23.31                  | 25                  | 0        |
| 15                   | QPSK       | 1       | 37        | 23.36                 | 23.44                    | 23.35                  |                     |          |
| 15                   | QPSK       | 1       | 74        | 23.31                 | 23.43                    | 23.37                  |                     |          |
| 15                   | QPSK       | 36      | 0         | 22.52                 | 22.49                    | 22.41                  | 24                  | 1        |
| 15                   | QPSK       | 36      | 20        | 22.40                 | 22.47                    | 22.31                  |                     |          |
| 15                   | QPSK       | 36      | 39        | 22.24                 | 22.37                    | 22.26                  |                     |          |
| 15                   | QPSK       | 75      | 0         | 22.43                 | 22.36                    | 22.17                  |                     |          |
| 15                   | 16QAM      | 1       | 0         | 22.67                 | 22.55                    | 22.50                  | 24                  | 1        |
| 15                   | 16QAM      | 1       | 37        | 22.43                 | 22.53                    | 22.33                  |                     |          |
| 15                   | 16QAM      | 1       | 74        | 22.39                 | 22.56                    | 22.48                  |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15              | 16QAM  | 36 | 0  | 21.38  | 21.41  | 21.33  | 23                  | 2        |
| 15              | 16QAM  | 36 | 20 | 21.36  | 21.39  | 21.33  |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.16  | 21.31  | 21.21  |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.29  | 21.49  | 21.31  | 23                  | 2        |
| 15              | 64QAM  | 1  | 0  | 21.36  | 21.47  | 21.40  |                     |          |
| 15              | 64QAM  | 1  | 37 | 21.24  | 21.34  | 21.37  |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.34  | 21.40  | 21.36  | 22                  | 3        |
| 15              | 64QAM  | 36 | 0  | 20.38  | 20.48  | 20.38  |                     |          |
| 15              | 64QAM  | 36 | 20 | 20.33  | 20.32  | 20.30  |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.22  | 20.40  | 20.36  | 20                  | 5        |
| 15              | 64QAM  | 75 | 0  | 20.30  | 20.37  | 20.34  |                     |          |
| 15              | 256QAM | 1  | 0  | 18.37  | 18.46  | 18.45  |                     |          |
| 15              | 256QAM | 1  | 37 | 18.33  | 18.42  | 18.43  | 20                  | 5        |
| 15              | 256QAM | 1  | 74 | 18.42  | 18.50  | 18.30  |                     |          |
| 15              | 256QAM | 36 | 0  | 18.55  | 18.55  | 18.57  |                     |          |
| 15              | 256QAM | 36 | 20 | 18.50  | 18.45  | 18.46  | 20                  | 5        |
| 15              | 256QAM | 36 | 39 | 18.52  | 18.55  | 18.35  |                     |          |
| 15              | 256QAM | 75 | 0  | 18.42  | 18.56  | 18.53  |                     |          |
| Channel         |        |    |    | 132022 | 132322 | 132622 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1715   | 1745   | 1775   |                     |          |
| 10              | QPSK   | 1  | 0  | 23.29  | 23.57  | 23.35  | 25                  | 0        |
| 10              | QPSK   | 1  | 25 | 23.28  | 23.39  | 23.39  |                     |          |
| 10              | QPSK   | 1  | 49 | 23.31  | 23.38  | 23.36  |                     |          |
| 10              | QPSK   | 25 | 0  | 22.43  | 22.53  | 22.31  | 24                  | 1        |
| 10              | QPSK   | 25 | 12 | 22.33  | 22.52  | 22.23  |                     |          |
| 10              | QPSK   | 25 | 25 | 22.33  | 22.38  | 22.35  |                     |          |
| 10              | QPSK   | 50 | 0  | 22.40  | 22.35  | 22.21  | 24                  | 1        |
| 10              | 16QAM  | 1  | 0  | 22.60  | 22.66  | 22.56  |                     |          |
| 10              | 16QAM  | 1  | 25 | 22.41  | 22.55  | 22.40  |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.36  | 22.58  | 22.56  | 23                  | 2        |
| 10              | 16QAM  | 25 | 0  | 21.39  | 21.39  | 21.36  |                     |          |
| 10              | 16QAM  | 25 | 12 | 21.25  | 21.35  | 21.32  |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.22  | 21.30  | 21.31  | 23                  | 2        |
| 10              | 16QAM  | 50 | 0  | 21.41  | 21.45  | 21.44  |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.35  | 21.52  | 21.41  |                     |          |
| 10              | 64QAM  | 1  | 25 | 21.18  | 21.29  | 21.26  | 23                  | 2        |
| 10              | 64QAM  | 1  | 49 | 21.41  | 21.51  | 21.42  |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.37  | 20.39  | 20.34  |                     |          |
| 10              | 64QAM  | 25 | 12 | 20.33  | 20.30  | 20.20  | 22                  | 3        |
| 10              | 64QAM  | 25 | 25 | 20.25  | 20.34  | 20.36  |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.39  | 20.47  | 20.38  |                     |          |
| 10              | 256QAM | 1  | 0  | 18.33  | 18.56  | 18.49  | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.43  | 18.38  | 18.42  |                     |          |
| 10              | 256QAM | 1  | 49 | 18.40  | 18.45  | 18.32  |                     |          |
| 10              | 256QAM | 25 | 0  | 18.58  | 18.59  | 18.56  | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.49  | 18.43  | 18.41  |                     |          |
| 10              | 256QAM | 25 | 25 | 18.53  | 18.57  | 18.48  |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 10              | 256QAM | 50 | 0  | 18.43  | 18.50  | 18.51  |                     |          |
| Channel         |        |    |    | 131997 | 132322 | 132647 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1712.5 | 1745   | 1777.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 23.27  | 23.53  | 23.34  | 25                  | 0        |
| 5               | QPSK   | 1  | 12 | 23.30  | 23.42  | 23.33  |                     |          |
| 5               | QPSK   | 1  | 24 | 23.25  | 23.44  | 23.32  |                     |          |
| 5               | QPSK   | 12 | 0  | 22.52  | 22.62  | 22.37  | 24                  | 1        |
| 5               | QPSK   | 12 | 7  | 22.41  | 22.41  | 22.34  |                     |          |
| 5               | QPSK   | 12 | 13 | 22.26  | 22.31  | 22.29  |                     |          |
| 5               | QPSK   | 25 | 0  | 22.34  | 22.46  | 22.19  | 24                  | 1        |
| 5               | 16QAM  | 1  | 0  | 22.64  | 22.59  | 22.54  |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.42  | 22.47  | 22.36  |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.44  | 22.49  | 22.51  | 23                  | 2        |
| 5               | 16QAM  | 12 | 0  | 21.39  | 21.52  | 21.36  |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.32  | 21.30  | 21.29  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.14  | 21.30  | 21.30  | 23                  | 2        |
| 5               | 16QAM  | 25 | 0  | 21.29  | 21.51  | 21.41  |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.30  | 21.50  | 21.44  |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.25  | 21.43  | 21.29  | 23                  | 2        |
| 5               | 64QAM  | 1  | 24 | 21.39  | 21.47  | 21.33  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.34  | 20.54  | 20.35  |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.24  | 20.33  | 20.24  | 22                  | 3        |
| 5               | 64QAM  | 12 | 13 | 20.20  | 20.29  | 20.35  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.28  | 20.38  | 20.30  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.40  | 18.57  | 18.48  | 20                  | 5        |
| 5               | 256QAM | 1  | 12 | 18.38  | 18.37  | 18.38  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.47  | 18.51  | 18.30  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.44  | 18.65  | 18.55  | 20                  | 5        |
| 5               | 256QAM | 12 | 7  | 18.52  | 18.55  | 18.53  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.53  | 18.53  | 18.37  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.41  | 18.55  | 18.49  |                     |          |
| Channel         |        |    |    | 131987 | 132322 | 132657 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1711.5 | 1745   | 1778.5 |                     |          |
| 3               | QPSK   | 1  | 0  | 23.25  | 23.50  | 23.39  | 25                  | 0        |
| 3               | QPSK   | 1  | 8  | 23.25  | 23.38  | 23.32  |                     |          |
| 3               | QPSK   | 1  | 14 | 23.27  | 23.35  | 23.34  |                     |          |
| 3               | QPSK   | 8  | 0  | 22.48  | 22.58  | 22.44  | 24                  | 1        |
| 3               | QPSK   | 8  | 4  | 22.33  | 22.42  | 22.33  |                     |          |
| 3               | QPSK   | 8  | 7  | 22.26  | 22.37  | 22.26  |                     |          |
| 3               | QPSK   | 15 | 0  | 22.34  | 22.36  | 22.27  | 24                  | 1        |
| 3               | 16QAM  | 1  | 0  | 22.60  | 22.59  | 22.54  |                     |          |
| 3               | 16QAM  | 1  | 8  | 22.32  | 22.51  | 22.42  |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.49  | 22.48  | 22.46  | 23                  | 2        |
| 3               | 16QAM  | 8  | 0  | 21.38  | 21.39  | 21.41  |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.36  | 21.27  | 21.31  |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.23  | 21.25  | 21.31  | 23                  | 2        |
| 3               | 16QAM  | 15 | 0  | 21.39  | 21.42  | 21.31  |                     |          |



|                 |        |    |    |        |        |        |    |   |
|-----------------|--------|----|----|--------|--------|--------|----|---|
| 3               | 64QAM  | 1  | 0  | 21.36  | 21.47  | 21.51  | 23 | 2 |
| 3               | 64QAM  | 1  | 8  | 21.15  | 21.43  | 21.31  |    |   |
| 3               | 64QAM  | 1  | 14 | 21.35  | 21.51  | 21.34  |    |   |
| 3               | 64QAM  | 8  | 0  | 20.28  | 20.49  | 20.28  | 22 | 3 |
| 3               | 64QAM  | 8  | 4  | 20.31  | 20.31  | 20.25  |    |   |
| 3               | 64QAM  | 8  | 7  | 20.18  | 20.39  | 20.25  |    |   |
| 3               | 64QAM  | 15 | 0  | 20.42  | 20.42  | 20.39  | 20 | 5 |
| 3               | 256QAM | 1  | 0  | 18.31  | 18.55  | 18.45  |    |   |
| 3               | 256QAM | 1  | 8  | 18.41  | 18.38  | 18.39  |    |   |
| 3               | 256QAM | 1  | 14 | 18.39  | 18.48  | 18.38  | 20 | 5 |
| 3               | 256QAM | 8  | 0  | 18.47  | 18.56  | 18.46  |    |   |
| 3               | 256QAM | 8  | 4  | 18.48  | 18.57  | 18.53  |    |   |
| 3               | 256QAM | 8  | 7  | 18.52  | 18.58  | 18.34  | 20 | 5 |
| 3               | 256QAM | 15 | 0  | 18.43  | 18.53  | 18.50  |    |   |
| Channel         |        |    |    | 131979 | 132322 | 132665 |    |   |
| Frequency (MHz) |        |    |    | 1710.7 | 1745   | 1779.3 |    |   |
| 1.4             | QPSK   | 1  | 0  | 23.39  | 23.45  | 23.40  | 25 | 0 |
| 1.4             | QPSK   | 1  | 3  | 23.26  | 23.35  | 23.37  |    |   |
| 1.4             | QPSK   | 1  | 5  | 23.21  | 23.46  | 23.38  |    |   |
| 1.4             | QPSK   | 3  | 0  | 23.55  | 23.49  | 23.42  |    |   |
| 1.4             | QPSK   | 3  | 1  | 23.39  | 23.46  | 23.36  |    |   |
| 1.4             | QPSK   | 3  | 3  | 23.28  | 23.44  | 23.25  | 24 | 1 |
| 1.4             | QPSK   | 6  | 0  | 22.33  | 22.41  | 22.25  |    |   |
| 1.4             | 16QAM  | 1  | 0  | 22.66  | 22.55  | 22.53  | 24 | 1 |
| 1.4             | 16QAM  | 1  | 3  | 22.35  | 22.54  | 22.41  |    |   |
| 1.4             | 16QAM  | 1  | 5  | 22.35  | 22.54  | 22.45  |    |   |
| 1.4             | 16QAM  | 3  | 0  | 22.36  | 22.44  | 22.31  |    |   |
| 1.4             | 16QAM  | 3  | 1  | 22.39  | 22.35  | 22.29  |    |   |
| 1.4             | 16QAM  | 3  | 3  | 22.15  | 22.32  | 22.31  | 23 | 2 |
| 1.4             | 16QAM  | 6  | 0  | 21.42  | 21.47  | 21.41  |    |   |
| 1.4             | 64QAM  | 1  | 0  | 21.42  | 21.55  | 21.39  | 23 | 2 |
| 1.4             | 64QAM  | 1  | 3  | 21.20  | 21.42  | 21.30  |    |   |
| 1.4             | 64QAM  | 1  | 5  | 21.38  | 21.40  | 21.45  |    |   |
| 1.4             | 64QAM  | 3  | 0  | 21.36  | 21.52  | 21.25  |    |   |
| 1.4             | 64QAM  | 3  | 1  | 21.27  | 21.38  | 21.29  |    |   |
| 1.4             | 64QAM  | 3  | 3  | 21.27  | 21.29  | 21.24  | 22 | 3 |
| 1.4             | 64QAM  | 6  | 0  | 20.39  | 20.43  | 20.37  |    |   |
| 1.4             | 256QAM | 1  | 0  | 18.43  | 18.49  | 18.37  | 20 | 5 |
| 1.4             | 256QAM | 1  | 3  | 18.29  | 18.40  | 18.33  |    |   |
| 1.4             | 256QAM | 1  | 5  | 18.49  | 18.41  | 18.33  |    |   |
| 1.4             | 256QAM | 3  | 0  | 18.57  | 18.64  | 18.55  |    |   |
| 1.4             | 256QAM | 3  | 1  | 18.52  | 18.47  | 18.53  |    |   |
| 1.4             | 256QAM | 3  | 3  | 18.54  | 18.57  | 18.39  | 20 | 5 |
| 1.4             | 256QAM | 6  | 0  | 18.50  | 18.52  | 18.52  |    |   |



Reduced Power Mode for DSI 0

| Band 5 Ant0 Default |            |         |           |                       |                          |                        |                     |          |
|---------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel             |            |         |           | 20450                 | 20525                    | 20600                  |                     |          |
| Frequency (MHz)     |            |         |           | 829                   | 836.5                    | 844                    |                     |          |
| 10                  | QPSK       | 1       | 0         | 23.68                 | 23.76                    | 23.60                  | 25                  | 0        |
| 10                  | QPSK       | 1       | 25        | 23.47                 | 23.60                    | 23.56                  |                     |          |
| 10                  | QPSK       | 1       | 49        | 23.61                 | 23.63                    | 23.52                  |                     |          |
| 10                  | QPSK       | 25      | 0         | 22.49                 | 22.71                    | 22.60                  | 24                  | 1        |
| 10                  | QPSK       | 25      | 12        | 22.58                 | 22.62                    | 22.57                  |                     |          |
| 10                  | QPSK       | 25      | 25        | 22.61                 | 22.68                    | 22.56                  |                     |          |
| 10                  | QPSK       | 50      | 0         | 22.50                 | 22.57                    | 22.52                  | 24                  | 1        |
| 10                  | 16QAM      | 1       | 0         | 22.67                 | 22.83                    | 22.75                  |                     |          |
| 10                  | 16QAM      | 1       | 25        | 22.74                 | 22.80                    | 22.64                  |                     |          |
| 10                  | 16QAM      | 1       | 49        | 22.66                 | 22.77                    | 22.65                  | 23                  | 2        |
| 10                  | 16QAM      | 25      | 0         | 21.64                 | 21.71                    | 21.62                  |                     |          |
| 10                  | 16QAM      | 25      | 12        | 21.54                 | 21.61                    | 21.46                  |                     |          |
| 10                  | 16QAM      | 25      | 25        | 21.52                 | 21.57                    | 21.44                  | 23                  | 2        |
| 10                  | 16QAM      | 50      | 0         | 21.51                 | 21.54                    | 21.41                  |                     |          |
| 10                  | 64QAM      | 1       | 0         | 21.75                 | 21.78                    | 21.72                  |                     |          |
| 10                  | 64QAM      | 1       | 25        | 21.58                 | 21.75                    | 21.64                  | 23                  | 2        |
| 10                  | 64QAM      | 1       | 49        | 21.52                 | 21.66                    | 21.61                  |                     |          |
| 10                  | 64QAM      | 25      | 0         | 20.61                 | 20.69                    | 20.61                  |                     |          |
| 10                  | 64QAM      | 25      | 12        | 20.53                 | 20.60                    | 20.54                  | 22                  | 3        |
| 10                  | 64QAM      | 25      | 25        | 20.48                 | 20.56                    | 20.47                  |                     |          |
| 10                  | 64QAM      | 50      | 0         | 20.48                 | 20.65                    | 20.56                  |                     |          |
| 10                  | 256QAM     | 1       | 0         | 18.57                 | 18.74                    | 18.73                  | 20                  | 5        |
| 10                  | 256QAM     | 1       | 25        | 18.64                 | 18.72                    | 18.65                  |                     |          |
| 10                  | 256QAM     | 1       | 49        | 18.62                 | 18.70                    | 18.64                  |                     |          |
| 10                  | 256QAM     | 25      | 0         | 18.77                 | 18.84                    | 18.72                  | 20                  | 5        |
| 10                  | 256QAM     | 25      | 12        | 18.69                 | 18.78                    | 18.69                  |                     |          |
| 10                  | 256QAM     | 25      | 25        | 18.75                 | 18.80                    | 18.63                  |                     |          |
| 10                  | 256QAM     | 50      | 0         | 18.66                 | 18.73                    | 18.67                  |                     |          |
| Channel             |            |         |           | 20425                 | 20525                    | 20625                  |                     |          |
| Frequency (MHz)     |            |         |           | 826.5                 | 836.5                    | 846.5                  |                     |          |
| 5                   | QPSK       | 1       | 0         | 23.56                 | 23.66                    | 23.54                  | 25                  | 0        |
| 5                   | QPSK       | 1       | 12        | 23.40                 | 23.54                    | 23.51                  |                     |          |
| 5                   | QPSK       | 1       | 24        | 23.55                 | 23.48                    | 23.39                  |                     |          |
| 5                   | QPSK       | 12      | 0         | 22.35                 | 22.51                    | 22.57                  | 24                  | 1        |
| 5                   | QPSK       | 12      | 7         | 22.48                 | 22.64                    | 22.50                  |                     |          |
| 5                   | QPSK       | 12      | 13        | 22.57                 | 22.53                    | 22.51                  |                     |          |
| 5                   | QPSK       | 25      | 0         | 22.41                 | 22.49                    | 22.39                  | 24                  | 1        |
| 5                   | 16QAM      | 1       | 0         | 22.57                 | 22.68                    | 22.65                  |                     |          |
| 5                   | 16QAM      | 1       | 12        | 22.67                 | 22.65                    | 22.57                  |                     |          |
| 5                   | 16QAM      | 1       | 24        | 22.58                 | 22.65                    | 22.57                  |                     |          |



|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 5               | 16QAM  | 12 | 0  | 21.55 | 21.63 | 21.56 | 23                  | 2        |
| 5               | 16QAM  | 12 | 7  | 21.47 | 21.49 | 21.38 |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.39 | 21.43 | 21.32 |                     |          |
| 5               | 16QAM  | 25 | 0  | 21.47 | 21.44 | 21.38 | 23                  | 2        |
| 5               | 64QAM  | 1  | 0  | 21.72 | 21.62 | 21.65 |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.50 | 21.72 | 21.62 |                     |          |
| 5               | 64QAM  | 1  | 24 | 21.45 | 21.53 | 21.48 | 22                  | 3        |
| 5               | 64QAM  | 12 | 0  | 20.51 | 20.63 | 20.49 |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.49 | 20.51 | 20.46 |                     |          |
| 5               | 64QAM  | 12 | 13 | 20.37 | 20.47 | 20.44 | 20                  | 5        |
| 5               | 64QAM  | 25 | 0  | 20.37 | 20.56 | 20.47 |                     |          |
| 5               | 256QAM | 1  | 0  | 18.55 | 18.82 | 18.72 |                     |          |
| 5               | 256QAM | 1  | 12 | 18.59 | 18.66 | 18.66 | 20                  | 5        |
| 5               | 256QAM | 1  | 24 | 18.67 | 18.70 | 18.51 |                     |          |
| 5               | 256QAM | 12 | 0  | 18.79 | 18.83 | 18.77 |                     |          |
| 5               | 256QAM | 12 | 7  | 18.79 | 18.69 | 18.69 | 20                  | 5        |
| 5               | 256QAM | 12 | 13 | 18.79 | 18.86 | 18.63 |                     |          |
| 5               | 256QAM | 25 | 0  | 18.74 | 18.85 | 18.77 |                     |          |
| Channel         |        |    |    | 20415 | 20525 | 20635 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 825.5 | 836.5 | 847.5 |                     |          |
| 3               | QPSK   | 1  | 0  | 23.62 | 23.61 | 23.55 | 25                  | 0        |
| 3               | QPSK   | 1  | 8  | 23.40 | 23.45 | 23.52 |                     |          |
| 3               | QPSK   | 1  | 14 | 23.48 | 23.58 | 23.45 |                     |          |
| 3               | QPSK   | 8  | 0  | 22.34 | 22.47 | 22.46 | 24                  | 1        |
| 3               | QPSK   | 8  | 4  | 22.55 | 22.54 | 22.44 |                     |          |
| 3               | QPSK   | 8  | 7  | 22.44 | 22.51 | 22.53 |                     |          |
| 3               | QPSK   | 15 | 0  | 22.46 | 22.54 | 22.46 | 24                  | 1        |
| 3               | 16QAM  | 1  | 0  | 22.59 | 22.78 | 22.64 |                     |          |
| 3               | 16QAM  | 1  | 8  | 22.60 | 22.75 | 22.59 |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.59 | 22.71 | 22.61 | 23                  | 2        |
| 3               | 16QAM  | 8  | 0  | 21.54 | 21.58 | 21.53 |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.42 | 21.44 | 21.39 |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.37 | 21.49 | 21.28 | 23                  | 2        |
| 3               | 16QAM  | 15 | 0  | 21.47 | 21.45 | 21.27 |                     |          |
| 3               | 64QAM  | 1  | 0  | 21.61 | 21.74 | 21.66 |                     |          |
| 3               | 64QAM  | 1  | 8  | 21.43 | 21.59 | 21.53 | 23                  | 2        |
| 3               | 64QAM  | 1  | 14 | 21.46 | 21.63 | 21.58 |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.47 | 20.57 | 20.52 |                     |          |
| 3               | 64QAM  | 8  | 4  | 20.46 | 20.53 | 20.52 | 22                  | 3        |
| 3               | 64QAM  | 8  | 7  | 20.34 | 20.43 | 20.35 |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.45 | 20.50 | 20.48 |                     |          |
| 3               | 256QAM | 1  | 0  | 18.59 | 18.76 | 18.65 | 20                  | 5        |
| 3               | 256QAM | 1  | 8  | 18.67 | 18.71 | 18.70 |                     |          |
| 3               | 256QAM | 1  | 14 | 18.59 | 18.64 | 18.50 |                     |          |
| 3               | 256QAM | 8  | 0  | 18.78 | 18.80 | 18.70 | 20                  | 5        |
| 3               | 256QAM | 8  | 4  | 18.70 | 18.71 | 18.66 |                     |          |
| 3               | 256QAM | 8  | 7  | 18.77 | 18.82 | 18.67 |                     |          |



| 3               | 256QAM | 15 | 0 | 18.65 | 18.84 | 18.72 |                     |          |
|-----------------|--------|----|---|-------|-------|-------|---------------------|----------|
| Channel         |        |    |   | 20407 | 20525 | 20643 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |   | 824.7 | 836.5 | 848.3 |                     |          |
| 1.4             | QPSK   | 1  | 0 | 23.59 | 23.62 | 23.54 | 25                  | 0        |
| 1.4             | QPSK   | 1  | 3 | 23.32 | 23.52 | 23.46 |                     |          |
| 1.4             | QPSK   | 1  | 5 | 23.55 | 23.48 | 23.46 |                     |          |
| 1.4             | QPSK   | 3  | 0 | 23.46 | 23.60 | 23.57 |                     |          |
| 1.4             | QPSK   | 3  | 1 | 23.54 | 23.59 | 23.46 |                     |          |
| 1.4             | QPSK   | 3  | 3 | 23.59 | 23.63 | 23.47 |                     |          |
| 1.4             | QPSK   | 6  | 0 | 22.37 | 22.48 | 22.39 | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 0 | 22.54 | 22.79 | 22.70 | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 3 | 22.62 | 22.75 | 22.50 |                     |          |
| 1.4             | 16QAM  | 1  | 5 | 22.61 | 22.72 | 22.48 |                     |          |
| 1.4             | 16QAM  | 3  | 0 | 22.47 | 22.63 | 22.54 |                     |          |
| 1.4             | 16QAM  | 3  | 1 | 22.37 | 22.47 | 22.43 |                     |          |
| 1.4             | 16QAM  | 3  | 3 | 22.40 | 22.42 | 22.36 |                     |          |
| 1.4             | 16QAM  | 6  | 0 | 21.40 | 21.43 | 21.26 | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 0 | 21.66 | 21.61 | 21.66 | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 3 | 21.53 | 21.59 | 21.53 |                     |          |
| 1.4             | 64QAM  | 1  | 5 | 21.49 | 21.59 | 21.52 |                     |          |
| 1.4             | 64QAM  | 3  | 0 | 21.52 | 21.59 | 21.54 |                     |          |
| 1.4             | 64QAM  | 3  | 1 | 21.46 | 21.46 | 21.37 |                     |          |
| 1.4             | 64QAM  | 3  | 3 | 21.32 | 21.40 | 21.31 |                     |          |
| 1.4             | 64QAM  | 6  | 0 | 20.46 | 20.51 | 20.49 | 22                  | 3        |
| 1.4             | 256QAM | 1  | 0 | 18.62 | 18.69 | 18.61 | 20                  | 5        |
| 1.4             | 256QAM | 1  | 3 | 18.68 | 18.63 | 18.66 |                     |          |
| 1.4             | 256QAM | 1  | 5 | 18.65 | 18.73 | 18.63 |                     |          |
| 1.4             | 256QAM | 3  | 0 | 18.69 | 18.88 | 18.72 |                     |          |
| 1.4             | 256QAM | 3  | 1 | 18.71 | 18.72 | 18.79 |                     |          |
| 1.4             | 256QAM | 3  | 3 | 18.66 | 18.86 | 18.60 |                     |          |
| 1.4             | 256QAM | 6  | 0 | 18.63 | 18.71 | 18.69 | 20                  | 5        |



| Band 12 Ant0 Default |            |         |           |                       |                          |                        |                     |          |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel              |            |         |           | 23060                 | 23095                    | 23130                  |                     |          |
| Frequency (MHz)      |            |         |           | 704                   | 707.5                    | 711                    |                     |          |
| 10                   | QPSK       | 1       | 0         | 23.78                 | 23.86                    | 23.72                  | 25                  | 0        |
| 10                   | QPSK       | 1       | 25        | 23.55                 | 23.71                    | 23.64                  |                     |          |
| 10                   | QPSK       | 1       | 49        | 23.57                 | 23.67                    | 23.56                  |                     |          |
| 10                   | QPSK       | 25      | 0         | 22.62                 | 22.79                    | 22.73                  | 24                  | 1        |
| 10                   | QPSK       | 25      | 12        | 22.66                 | 22.73                    | 22.62                  |                     |          |
| 10                   | QPSK       | 25      | 25        | 22.76                 | 22.78                    | 22.75                  |                     |          |
| 10                   | QPSK       | 50      | 0         | 22.61                 | 22.75                    | 22.69                  | 24                  | 1        |
| 10                   | 16QAM      | 1       | 0         | 22.89                 | 23.00                    | 22.90                  |                     |          |
| 10                   | 16QAM      | 1       | 25        | 22.81                 | 22.93                    | 22.87                  |                     |          |
| 10                   | 16QAM      | 1       | 49        | 22.84                 | 22.92                    | 22.82                  | 23                  | 2        |
| 10                   | 16QAM      | 25      | 0         | 21.83                 | 21.89                    | 21.77                  |                     |          |
| 10                   | 16QAM      | 25      | 12        | 21.63                 | 21.78                    | 21.70                  |                     |          |
| 10                   | 16QAM      | 25      | 25        | 21.72                 | 21.86                    | 21.75                  | 23                  | 2        |
| 10                   | 16QAM      | 50      | 0         | 21.59                 | 21.74                    | 21.65                  |                     |          |
| 10                   | 64QAM      | 1       | 0         | 21.94                 | 22.06                    | 22.02                  |                     |          |
| 10                   | 64QAM      | 1       | 25        | 21.85                 | 22.02                    | 21.90                  | 23                  | 2        |
| 10                   | 64QAM      | 1       | 49        | 21.90                 | 21.97                    | 21.82                  |                     |          |
| 10                   | 64QAM      | 25      | 0         | 20.82                 | 20.85                    | 20.79                  |                     |          |
| 10                   | 64QAM      | 25      | 12        | 20.68                 | 20.78                    | 20.70                  | 22                  | 3        |
| 10                   | 64QAM      | 25      | 25        | 20.65                 | 20.70                    | 20.65                  |                     |          |
| 10                   | 64QAM      | 50      | 0         | 20.66                 | 20.83                    | 20.75                  |                     |          |
| 10                   | 256QAM     | 1       | 0         | 18.60                 | 18.78                    | 18.69                  | 20                  | 5        |
| 10                   | 256QAM     | 1       | 25        | 18.65                 | 18.60                    | 18.63                  |                     |          |
| 10                   | 256QAM     | 1       | 49        | 18.65                 | 18.72                    | 18.53                  |                     |          |
| 10                   | 256QAM     | 25      | 0         | 18.69                 | 18.81                    | 18.81                  | 20                  | 5        |
| 10                   | 256QAM     | 25      | 12        | 18.72                 | 18.75                    | 18.73                  |                     |          |
| 10                   | 256QAM     | 25      | 25        | 18.77                 | 18.82                    | 18.70                  |                     |          |
| 10                   | 256QAM     | 50      | 0         | 18.69                 | 18.80                    | 18.76                  |                     |          |
| Channel              |            |         |           | 23035                 | 23095                    | 23155                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)      |            |         |           | 701.5                 | 707.5                    | 713.5                  |                     |          |
| 5                    | QPSK       | 1       | 0         | 23.67                 | 23.83                    | 23.56                  | 25                  | 0        |
| 5                    | QPSK       | 1       | 12        | 23.41                 | 23.63                    | 23.60                  |                     |          |
| 5                    | QPSK       | 1       | 24        | 23.55                 | 23.54                    | 23.41                  |                     |          |
| 5                    | QPSK       | 12      | 0         | 22.50                 | 22.67                    | 22.65                  | 24                  | 1        |
| 5                    | QPSK       | 12      | 7         | 22.58                 | 22.63                    | 22.53                  |                     |          |
| 5                    | QPSK       | 12      | 13        | 22.67                 | 22.74                    | 22.63                  |                     |          |
| 5                    | QPSK       | 25      | 0         | 22.58                 | 22.73                    | 22.56                  | 24                  | 1        |
| 5                    | 16QAM      | 1       | 0         | 22.82                 | 22.87                    | 22.86                  |                     |          |
| 5                    | 16QAM      | 1       | 12        | 22.69                 | 22.78                    | 22.70                  |                     |          |
| 5                    | 16QAM      | 1       | 24        | 22.73                 | 22.87                    | 22.66                  |                     |          |





|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 5               | 16QAM  | 12 | 0  | 21.76 | 21.86 | 21.69 | 23                  | 2        |
| 5               | 16QAM  | 12 | 7  | 21.51 | 21.72 | 21.60 |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.62 | 21.76 | 21.61 |                     |          |
| 5               | 16QAM  | 25 | 0  | 21.51 | 21.63 | 21.49 | 23                  | 2        |
| 5               | 64QAM  | 1  | 0  | 21.86 | 21.90 | 21.99 |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.72 | 21.93 | 21.83 |                     |          |
| 5               | 64QAM  | 1  | 24 | 21.76 | 21.88 | 21.75 | 22                  | 3        |
| 5               | 64QAM  | 12 | 0  | 20.69 | 20.76 | 20.71 |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.56 | 20.69 | 20.59 |                     |          |
| 5               | 64QAM  | 12 | 13 | 20.57 | 20.55 | 20.48 | 20                  | 5        |
| 5               | 64QAM  | 25 | 0  | 20.55 | 20.74 | 20.70 |                     |          |
| 5               | 256QAM | 1  | 0  | 18.61 | 18.73 | 18.70 |                     |          |
| 5               | 256QAM | 1  | 12 | 18.67 | 18.66 | 18.68 | 20                  | 5        |
| 5               | 256QAM | 1  | 24 | 18.71 | 18.71 | 18.56 |                     |          |
| 5               | 256QAM | 12 | 0  | 18.77 | 18.84 | 18.74 |                     |          |
| 5               | 256QAM | 12 | 7  | 18.64 | 18.69 | 18.69 | 20                  | 5        |
| 5               | 256QAM | 12 | 13 | 18.66 | 18.85 | 18.61 |                     |          |
| 5               | 256QAM | 25 | 0  | 18.77 | 18.83 | 18.74 |                     |          |
| Channel         |        |    |    | 23025 | 23095 | 23165 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 700.5 | 707.5 | 714.5 |                     |          |
| 3               | QPSK   | 1  | 0  | 23.72 | 23.70 | 23.63 | 25                  | 0        |
| 3               | QPSK   | 1  | 8  | 23.52 | 23.66 | 23.55 |                     |          |
| 3               | QPSK   | 1  | 14 | 23.52 | 23.60 | 23.44 |                     |          |
| 3               | QPSK   | 8  | 0  | 22.51 | 22.73 | 22.65 | 24                  | 1        |
| 3               | QPSK   | 8  | 4  | 22.49 | 22.67 | 22.49 |                     |          |
| 3               | QPSK   | 8  | 7  | 22.69 | 22.63 | 22.71 |                     |          |
| 3               | QPSK   | 15 | 0  | 22.54 | 22.73 | 22.64 | 24                  | 1        |
| 3               | 16QAM  | 1  | 0  | 22.87 | 22.94 | 22.85 |                     |          |
| 3               | 16QAM  | 1  | 8  | 22.64 | 22.86 | 22.83 |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.77 | 22.79 | 22.76 | 23                  | 2        |
| 3               | 16QAM  | 8  | 0  | 21.71 | 21.87 | 21.70 |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.57 | 21.67 | 21.63 |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.62 | 21.75 | 21.61 | 23                  | 2        |
| 3               | 16QAM  | 15 | 0  | 21.53 | 21.65 | 21.53 |                     |          |
| 3               | 64QAM  | 1  | 0  | 21.86 | 22.00 | 22.00 |                     |          |
| 3               | 64QAM  | 1  | 8  | 21.71 | 21.98 | 21.76 | 23                  | 2        |
| 3               | 64QAM  | 1  | 14 | 21.78 | 21.95 | 21.71 |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.76 | 20.81 | 20.69 |                     |          |
| 3               | 64QAM  | 8  | 4  | 20.63 | 20.64 | 20.66 | 22                  | 3        |
| 3               | 64QAM  | 8  | 7  | 20.54 | 20.58 | 20.55 |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.53 | 20.72 | 20.72 |                     |          |
| 3               | 256QAM | 1  | 0  | 18.61 | 18.79 | 18.69 | 20                  | 5        |
| 3               | 256QAM | 1  | 8  | 18.65 | 18.73 | 18.62 |                     |          |
| 3               | 256QAM | 1  | 14 | 18.73 | 18.64 | 18.63 |                     |          |
| 3               | 256QAM | 8  | 0  | 18.71 | 18.86 | 18.73 | 20                  | 5        |
| 3               | 256QAM | 8  | 4  | 18.67 | 18.81 | 18.68 |                     |          |
| 3               | 256QAM | 8  | 7  | 18.80 | 18.78 | 18.71 |                     |          |



| 3               | 256QAM | 15 | 0 | 18.71 | 18.78 | 18.74 |                     |          |
|-----------------|--------|----|---|-------|-------|-------|---------------------|----------|
| Channel         |        |    |   | 23017 | 23095 | 23173 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |   | 699.7 | 707.5 | 715.3 |                     |          |
| 1.4             | QPSK   | 1  | 0 | 23.72 | 23.71 | 23.69 | 25                  | 0        |
| 1.4             | QPSK   | 1  | 3 | 23.42 | 23.65 | 23.62 |                     |          |
| 1.4             | QPSK   | 1  | 5 | 23.50 | 23.62 | 23.46 |                     |          |
| 1.4             | QPSK   | 3  | 0 | 23.54 | 23.65 | 23.68 |                     |          |
| 1.4             | QPSK   | 3  | 1 | 23.60 | 23.66 | 23.51 |                     |          |
| 1.4             | QPSK   | 3  | 3 | 23.73 | 23.76 | 23.72 |                     |          |
| 1.4             | QPSK   | 6  | 0 | 22.56 | 22.72 | 22.63 | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 0 | 22.72 | 22.92 | 22.84 | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 3 | 22.76 | 22.84 | 22.79 |                     |          |
| 1.4             | 16QAM  | 1  | 5 | 22.81 | 22.80 | 22.70 |                     |          |
| 1.4             | 16QAM  | 3  | 0 | 22.78 | 22.76 | 22.71 |                     |          |
| 1.4             | 16QAM  | 3  | 1 | 22.61 | 22.66 | 22.56 |                     |          |
| 1.4             | 16QAM  | 3  | 3 | 22.65 | 22.74 | 22.65 |                     |          |
| 1.4             | 16QAM  | 6  | 0 | 21.45 | 21.68 | 21.61 | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 0 | 21.80 | 21.93 | 21.98 | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 3 | 21.80 | 21.94 | 21.79 |                     |          |
| 1.4             | 64QAM  | 1  | 5 | 21.80 | 21.90 | 21.77 |                     |          |
| 1.4             | 64QAM  | 3  | 0 | 21.71 | 21.68 | 21.63 |                     |          |
| 1.4             | 64QAM  | 3  | 1 | 21.59 | 21.73 | 21.54 |                     |          |
| 1.4             | 64QAM  | 3  | 3 | 21.49 | 21.66 | 21.62 |                     |          |
| 1.4             | 64QAM  | 6  | 0 | 20.64 | 20.75 | 20.68 | 22                  | 3        |
| 1.4             | 256QAM | 1  | 0 | 18.65 | 18.77 | 18.62 | 20                  | 5        |
| 1.4             | 256QAM | 1  | 3 | 18.56 | 18.60 | 18.69 |                     |          |
| 1.4             | 256QAM | 1  | 5 | 18.60 | 18.74 | 18.57 |                     |          |
| 1.4             | 256QAM | 3  | 0 | 18.83 | 18.90 | 18.76 |                     |          |
| 1.4             | 256QAM | 3  | 1 | 18.68 | 18.74 | 18.69 |                     |          |
| 1.4             | 256QAM | 3  | 3 | 18.69 | 18.76 | 18.64 |                     |          |
| 1.4             | 256QAM | 6  | 0 | 18.71 | 18.81 | 18.71 | 20                  | 5        |



| Band 13 Ant0 Default |            |         |           |                       |                          |                        |                     |          |    |   |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|----|---|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |    |   |
| Channel              |            |         |           | 23230                 |                          |                        | 25                  | 0        |    |   |
| Frequency (MHz)      |            |         |           | 782                   |                          |                        |                     |          |    |   |
| 10                   | QPSK       | 1       | 0         |                       | 23.61                    |                        | 25                  | 0        |    |   |
| 10                   | QPSK       | 1       | 25        |                       | 23.52                    |                        |                     |          |    |   |
| 10                   | QPSK       | 1       | 49        |                       | 23.56                    |                        |                     |          |    |   |
| 10                   | QPSK       | 25      | 0         |                       | 22.71                    |                        | 24                  | 1        |    |   |
| 10                   | QPSK       | 25      | 12        |                       | 22.60                    |                        |                     |          |    |   |
| 10                   | QPSK       | 25      | 25        |                       | 22.67                    |                        |                     |          |    |   |
| 10                   | QPSK       | 50      | 0         |                       | 22.64                    |                        | 24                  | 1        |    |   |
| 10                   | 16QAM      | 1       | 0         |                       | 22.81                    |                        |                     |          |    |   |
| 10                   | 16QAM      | 1       | 25        |                       | 22.71                    |                        |                     |          |    |   |
| 10                   | 16QAM      | 1       | 49        |                       | 22.71                    |                        | 23                  | 2        |    |   |
| 10                   | 16QAM      | 25      | 0         |                       | 21.76                    |                        |                     |          |    |   |
| 10                   | 16QAM      | 25      | 12        |                       | 21.69                    |                        |                     |          |    |   |
| 10                   | 16QAM      | 25      | 25        |                       | 21.65                    |                        | 23                  | 2        |    |   |
| 10                   | 16QAM      | 50      | 0         |                       | 21.72                    |                        |                     |          |    |   |
| 10                   | 64QAM      | 1       | 0         |                       | 21.76                    |                        |                     |          |    |   |
| 10                   | 64QAM      | 1       | 25        |                       | 21.61                    |                        | 23                  | 2        |    |   |
| 10                   | 64QAM      | 1       | 49        |                       | 21.63                    |                        |                     |          |    |   |
| 10                   | 64QAM      | 25      | 0         |                       | 20.65                    |                        |                     |          |    |   |
| 10                   | 64QAM      | 25      | 12        |                       | 20.51                    |                        | 22                  | 3        |    |   |
| 10                   | 64QAM      | 25      | 25        |                       | 20.58                    |                        |                     |          |    |   |
| 10                   | 64QAM      | 50      | 0         |                       | 20.67                    |                        |                     |          |    |   |
| 10                   | 256QAM     | 1       | 0         |                       | 18.71                    |                        | 20                  | 5        |    |   |
| 10                   | 256QAM     | 1       | 25        |                       | 18.68                    |                        |                     |          |    |   |
| 10                   | 256QAM     | 1       | 49        |                       | 18.64                    |                        |                     |          |    |   |
| 10                   | 256QAM     | 25      | 0         |                       | 18.82                    |                        | 20                  | 5        |    |   |
| 10                   | 256QAM     | 25      | 12        |                       | 18.71                    |                        |                     |          |    |   |
| 10                   | 256QAM     | 25      | 25        |                       | 18.75                    |                        |                     |          |    |   |
| 10                   | 256QAM     | 50      | 0         |                       | 18.76                    |                        | 20                  | 5        |    |   |
| Channel              |            |         |           | 23205                 | 23230                    | 23255                  |                     |          | 25 | 0 |
| Frequency (MHz)      |            |         |           | 779.5                 | 782                      | 784.5                  |                     |          |    |   |
| 5                    | QPSK       | 1       | 0         | 23.48                 | 23.49                    | 23.58                  | 25                  | 0        |    |   |
| 5                    | QPSK       | 1       | 12        | 23.45                 | 23.43                    | 23.38                  |                     |          |    |   |
| 5                    | QPSK       | 1       | 24        | 23.46                 | 23.50                    | 23.54                  |                     |          |    |   |
| 5                    | QPSK       | 12      | 0         | 22.64                 | 22.67                    | 22.60                  | 24                  | 1        |    |   |
| 5                    | QPSK       | 12      | 7         | 22.50                 | 22.51                    | 22.50                  |                     |          |    |   |
| 5                    | QPSK       | 12      | 13        | 22.65                 | 22.54                    | 22.57                  |                     |          |    |   |
| 5                    | QPSK       | 25      | 0         | 22.56                 | 22.50                    | 22.60                  | 24                  | 1        |    |   |
| 5                    | 16QAM      | 1       | 0         | 22.78                 | 22.79                    | 22.68                  |                     |          |    |   |
| 5                    | 16QAM      | 1       | 12        | 22.58                 | 22.58                    | 22.62                  |                     |          |    |   |
| 5                    | 16QAM      | 1       | 24        | 22.64                 | 22.68                    | 22.62                  | 24                  | 1        |    |   |



**FCC SAR Test Report**

**Report No. : FA311602**

|   |        |    |    |       |       |       |    |   |
|---|--------|----|----|-------|-------|-------|----|---|
| 5 | 16QAM  | 12 | 0  | 21.70 | 21.65 | 21.71 | 23 | 2 |
| 5 | 16QAM  | 12 | 7  | 21.55 | 21.62 | 21.54 |    |   |
| 5 | 16QAM  | 12 | 13 | 21.63 | 21.58 | 21.56 |    |   |
| 5 | 16QAM  | 25 | 0  | 21.59 | 21.63 | 21.61 | 23 | 2 |
| 5 | 64QAM  | 1  | 0  | 21.65 | 21.67 | 21.69 |    |   |
| 5 | 64QAM  | 1  | 12 | 21.58 | 21.56 | 21.50 |    |   |
| 5 | 64QAM  | 1  | 24 | 21.47 | 21.58 | 21.58 | 22 | 3 |
| 5 | 64QAM  | 12 | 0  | 20.59 | 20.53 | 20.51 |    |   |
| 5 | 64QAM  | 12 | 7  | 20.49 | 20.35 | 20.46 |    |   |
| 5 | 64QAM  | 12 | 13 | 20.47 | 20.56 | 20.42 | 20 | 5 |
| 5 | 64QAM  | 25 | 0  | 20.51 | 20.59 | 20.55 |    |   |
| 5 | 256QAM | 1  | 0  | 18.52 | 18.72 | 18.69 |    |   |
| 5 | 256QAM | 1  | 12 | 18.52 | 18.68 | 18.56 | 20 | 5 |
| 5 | 256QAM | 1  | 24 | 18.65 | 18.59 | 18.53 |    |   |
| 5 | 256QAM | 12 | 0  | 18.72 | 18.79 | 18.65 |    |   |
| 5 | 256QAM | 12 | 7  | 18.64 | 18.65 | 18.63 | 20 | 5 |
| 5 | 256QAM | 12 | 13 | 18.66 | 18.83 | 18.55 |    |   |
| 5 | 256QAM | 25 | 0  | 18.65 | 18.67 | 18.69 |    |   |



| Band 14 Ant0 Default |            |         |           |                       |                          |                        |                     |          |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel              |            |         |           | 23330                 |                          |                        | 25                  | 0        |
| Frequency (MHz)      |            |         |           | 793                   |                          |                        |                     |          |
| 10                   | QPSK       | 1       | 0         |                       | 23.66                    |                        |                     |          |
| 10                   | QPSK       | 1       | 25        |                       | 23.61                    |                        | 24                  | 1        |
| 10                   | QPSK       | 1       | 49        |                       | 23.59                    |                        |                     |          |
| 10                   | QPSK       | 25      | 0         |                       | 22.68                    |                        |                     |          |
| 10                   | QPSK       | 25      | 12        |                       | 22.62                    |                        | 24                  | 1        |
| 10                   | QPSK       | 25      | 25        |                       | 22.67                    |                        |                     |          |
| 10                   | QPSK       | 50      | 0         |                       | 22.60                    |                        |                     |          |
| 10                   | 16QAM      | 1       | 0         |                       | 22.84                    |                        | 24                  | 1        |
| 10                   | 16QAM      | 1       | 25        |                       | 22.71                    |                        |                     |          |
| 10                   | 16QAM      | 1       | 49        |                       | 22.74                    |                        |                     |          |
| 10                   | 16QAM      | 25      | 0         |                       | 21.62                    |                        | 23                  | 2        |
| 10                   | 16QAM      | 25      | 12        |                       | 21.49                    |                        |                     |          |
| 10                   | 16QAM      | 25      | 25        |                       | 21.55                    |                        |                     |          |
| 10                   | 16QAM      | 50      | 0         |                       | 21.65                    |                        | 23                  | 2        |
| 10                   | 64QAM      | 1       | 0         |                       | 21.79                    |                        |                     |          |
| 10                   | 64QAM      | 1       | 25        |                       | 21.69                    |                        |                     |          |
| 10                   | 64QAM      | 1       | 49        |                       | 21.63                    |                        | 22                  | 3        |
| 10                   | 64QAM      | 25      | 0         |                       | 20.67                    |                        |                     |          |
| 10                   | 64QAM      | 25      | 12        |                       | 20.65                    |                        |                     |          |
| 10                   | 64QAM      | 25      | 25        |                       | 20.59                    |                        | 20                  | 5        |
| 10                   | 64QAM      | 50      | 0         |                       | 20.60                    |                        |                     |          |
| 10                   | 256QAM     | 1       | 0         |                       | 18.64                    |                        |                     |          |
| 10                   | 256QAM     | 1       | 25        |                       | 18.60                    |                        | 20                  | 5        |
| 10                   | 256QAM     | 1       | 49        |                       | 18.60                    |                        |                     |          |
| 10                   | 256QAM     | 25      | 0         |                       | 18.76                    |                        |                     |          |
| 10                   | 256QAM     | 25      | 12        |                       | 18.77                    |                        | 20                  | 5        |
| 10                   | 256QAM     | 25      | 25        |                       | 18.72                    |                        |                     |          |
| 10                   | 256QAM     | 50      | 0         |                       | 18.77                    |                        |                     |          |
| Channel              |            |         |           | 23305                 | 23330                    | 23355                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)      |            |         |           | 790.5                 | 793                      | 795.5                  |                     |          |
| 5                    | QPSK       | 1       | 0         | 23.56                 | 23.61                    | 23.59                  | 25                  | 0        |
| 5                    | QPSK       | 1       | 12        | 23.49                 | 23.46                    | 23.57                  |                     |          |
| 5                    | QPSK       | 1       | 24        | 23.44                 | 23.47                    | 23.48                  |                     |          |
| 5                    | QPSK       | 12      | 0         | 22.55                 | 22.51                    | 22.62                  | 24                  | 1        |
| 5                    | QPSK       | 12      | 7         | 22.59                 | 22.58                    | 22.46                  |                     |          |
| 5                    | QPSK       | 12      | 13        | 22.57                 | 22.62                    | 22.58                  |                     |          |
| 5                    | QPSK       | 25      | 0         | 22.47                 | 22.48                    | 22.52                  | 24                  | 1        |
| 5                    | 16QAM      | 1       | 0         | 22.75                 | 22.72                    | 22.76                  |                     |          |
| 5                    | 16QAM      | 1       | 12        | 22.56                 | 22.59                    | 22.55                  |                     |          |
| 5                    | 16QAM      | 1       | 24        | 22.59                 | 22.57                    | 22.60                  |                     |          |



**FCC SAR Test Report**

**Report No. : FA311602**

|   |        |    |    |       |       |       |    |   |
|---|--------|----|----|-------|-------|-------|----|---|
| 5 | 16QAM  | 12 | 0  | 21.55 | 21.50 | 21.55 | 23 | 2 |
| 5 | 16QAM  | 12 | 7  | 21.40 | 21.36 | 21.46 |    |   |
| 5 | 16QAM  | 12 | 13 | 21.43 | 21.38 | 21.38 |    |   |
| 5 | 16QAM  | 25 | 0  | 21.49 | 21.49 | 21.49 | 23 | 2 |
| 5 | 64QAM  | 1  | 0  | 21.62 | 21.77 | 21.73 |    |   |
| 5 | 64QAM  | 1  | 12 | 21.64 | 21.61 | 21.62 |    |   |
| 5 | 64QAM  | 1  | 24 | 21.51 | 21.59 | 21.58 | 22 | 3 |
| 5 | 64QAM  | 12 | 0  | 20.61 | 20.61 | 20.55 |    |   |
| 5 | 64QAM  | 12 | 7  | 20.61 | 20.53 | 20.51 |    |   |
| 5 | 64QAM  | 12 | 13 | 20.54 | 20.44 | 20.50 | 20 | 5 |
| 5 | 64QAM  | 25 | 0  | 20.49 | 20.48 | 20.43 |    |   |
| 5 | 256QAM | 1  | 0  | 18.61 | 18.78 | 18.64 |    |   |
| 5 | 256QAM | 1  | 12 | 18.53 | 18.64 | 18.53 | 20 | 5 |
| 5 | 256QAM | 1  | 24 | 18.62 | 18.68 | 18.57 |    |   |
| 5 | 256QAM | 12 | 0  | 18.74 | 18.81 | 18.77 |    |   |
| 5 | 256QAM | 12 | 7  | 18.61 | 18.78 | 18.70 | 20 | 5 |
| 5 | 256QAM | 12 | 13 | 18.76 | 18.81 | 18.58 |    |   |
| 5 | 256QAM | 25 | 0  | 18.65 | 18.74 | 18.71 |    |   |



| Band 17 Ant0 Default |            |         |           |                       |                          |                        |                     |          |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel              |            |         |           | 23780                 | 23790                    | 23800                  |                     |          |
| Frequency (MHz)      |            |         |           | 709                   | 710                      | 711                    |                     |          |
| 10                   | QPSK       | 1       | 0         | 23.69                 | 23.71                    | 23.65                  | 25                  | 0        |
| 10                   | QPSK       | 1       | 25        | 23.48                 | 23.63                    | 23.55                  |                     |          |
| 10                   | QPSK       | 1       | 49        | 23.54                 | 23.67                    | 23.56                  |                     |          |
| 10                   | QPSK       | 25      | 0         | 22.72                 | 22.81                    | 22.65                  | 24                  | 1        |
| 10                   | QPSK       | 25      | 12        | 22.64                 | 22.78                    | 22.66                  |                     |          |
| 10                   | QPSK       | 25      | 25        | 22.66                 | 22.74                    | 22.59                  |                     |          |
| 10                   | QPSK       | 50      | 0         | 22.68                 | 22.71                    | 22.68                  | 24                  | 1        |
| 10                   | 16QAM      | 1       | 0         | 22.76                 | 22.90                    | 22.78                  |                     |          |
| 10                   | 16QAM      | 1       | 25        | 22.74                 | 22.87                    | 22.75                  |                     |          |
| 10                   | 16QAM      | 1       | 49        | 22.79                 | 22.84                    | 22.81                  | 23                  | 2        |
| 10                   | 16QAM      | 25      | 0         | 21.70                 | 21.83                    | 21.78                  |                     |          |
| 10                   | 16QAM      | 25      | 12        | 21.61                 | 21.73                    | 21.57                  |                     |          |
| 10                   | 16QAM      | 25      | 25        | 21.58                 | 21.73                    | 21.61                  | 23                  | 2        |
| 10                   | 16QAM      | 50      | 0         | 21.59                 | 21.72                    | 21.65                  |                     |          |
| 10                   | 64QAM      | 1       | 0         | 21.82                 | 21.91                    | 21.75                  |                     |          |
| 10                   | 64QAM      | 1       | 25        | 21.67                 | 21.76                    | 21.60                  | 22                  | 3        |
| 10                   | 64QAM      | 1       | 49        | 21.79                 | 21.86                    | 21.80                  |                     |          |
| 10                   | 64QAM      | 25      | 0         | 20.79                 | 20.86                    | 20.71                  |                     |          |
| 10                   | 64QAM      | 25      | 12        | 20.64                 | 20.78                    | 20.75                  | 20                  | 5        |
| 10                   | 64QAM      | 25      | 25        | 20.59                 | 20.76                    | 20.61                  |                     |          |
| 10                   | 64QAM      | 50      | 0         | 20.64                 | 20.78                    | 20.66                  |                     |          |
| 10                   | 256QAM     | 1       | 0         | 18.57                 | 18.68                    | 18.70                  | 20                  | 5        |
| 10                   | 256QAM     | 1       | 25        | 18.62                 | 18.65                    | 18.62                  |                     |          |
| 10                   | 256QAM     | 1       | 49        | 18.57                 | 18.70                    | 18.45                  |                     |          |
| 10                   | 256QAM     | 25      | 0         | 18.75                 | 18.88                    | 18.65                  | 20                  | 5        |
| 10                   | 256QAM     | 25      | 12        | 18.72                 | 18.64                    | 18.74                  |                     |          |
| 10                   | 256QAM     | 25      | 25        | 18.74                 | 18.79                    | 18.63                  |                     |          |
| 10                   | 256QAM     | 50      | 0         | 18.69                 | 18.68                    | 18.70                  |                     |          |
| Channel              |            |         |           | 23755                 | 23790                    | 23825                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)      |            |         |           | 706.5                 | 710                      | 713.5                  |                     |          |
| 5                    | QPSK       | 1       | 0         | 23.55                 | 23.66                    | 23.57                  | 25                  | 0        |
| 5                    | QPSK       | 1       | 12        | 23.40                 | 23.54                    | 23.39                  |                     |          |
| 5                    | QPSK       | 1       | 24        | 23.51                 | 23.65                    | 23.50                  |                     |          |
| 5                    | QPSK       | 12      | 0         | 22.68                 | 22.69                    | 22.58                  | 24                  | 1        |
| 5                    | QPSK       | 12      | 7         | 22.60                 | 22.65                    | 22.52                  |                     |          |
| 5                    | QPSK       | 12      | 13        | 22.59                 | 22.66                    | 22.43                  |                     |          |
| 5                    | QPSK       | 25      | 0         | 22.54                 | 22.55                    | 22.65                  | 24                  | 1        |
| 5                    | 16QAM      | 1       | 0         | 22.71                 | 22.86                    | 22.66                  |                     |          |
| 5                    | 16QAM      | 1       | 12        | 22.69                 | 22.73                    | 22.68                  |                     |          |
| 5                    | 16QAM      | 1       | 24        | 22.68                 | 22.70                    | 22.66                  |                     |          |



**FCC SAR Test Report**

**Report No. : FA311602**

|   |        |    |    |       |       |       |    |   |
|---|--------|----|----|-------|-------|-------|----|---|
| 5 | 16QAM  | 12 | 0  | 21.60 | 21.76 | 21.70 | 23 | 2 |
| 5 | 16QAM  | 12 | 7  | 21.45 | 21.70 | 21.54 |    |   |
| 5 | 16QAM  | 12 | 13 | 21.51 | 21.64 | 21.53 |    |   |
| 5 | 16QAM  | 25 | 0  | 21.51 | 21.59 | 21.55 | 23 | 2 |
| 5 | 64QAM  | 1  | 0  | 21.66 | 21.80 | 21.69 |    |   |
| 5 | 64QAM  | 1  | 12 | 21.51 | 21.65 | 21.57 |    |   |
| 5 | 64QAM  | 1  | 24 | 21.75 | 21.81 | 21.76 | 22 | 3 |
| 5 | 64QAM  | 12 | 0  | 20.68 | 20.70 | 20.68 |    |   |
| 5 | 64QAM  | 12 | 7  | 20.53 | 20.68 | 20.64 |    |   |
| 5 | 64QAM  | 12 | 13 | 20.49 | 20.66 | 20.56 | 20 | 5 |
| 5 | 64QAM  | 25 | 0  | 20.60 | 20.63 | 20.58 |    |   |
| 5 | 256QAM | 1  | 0  | 18.62 | 18.71 | 18.63 |    |   |
| 5 | 256QAM | 1  | 12 | 18.60 | 18.55 | 18.60 | 20 | 5 |
| 5 | 256QAM | 1  | 24 | 18.67 | 18.66 | 18.57 |    |   |
| 5 | 256QAM | 12 | 0  | 18.69 | 18.85 | 18.66 |    |   |
| 5 | 256QAM | 12 | 7  | 18.69 | 18.78 | 18.67 | 20 | 5 |
| 5 | 256QAM | 12 | 13 | 18.64 | 18.78 | 18.67 |    |   |
| 5 | 256QAM | 25 | 0  | 18.72 | 18.71 | 18.63 |    |   |





| Band 26 for FCC Ant0 Default |            |         |           |                       |                          |                        |                     |          |  |  |
|------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|
| BW [MHz]                     | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |  |
| Channel                      |            |         |           | 26765                 | 26865                    | 26965                  |                     |          |  |  |
| Frequency (MHz)              |            |         |           | 821.5                 | 831.5                    | 841.5                  |                     |          |  |  |
| 15                           | QPSK       | 1       | 0         | 23.77                 | 23.79                    | 23.71                  | 25                  | 0        |  |  |
| 15                           | QPSK       | 1       | 37        | 23.70                 | 23.75                    | 23.72                  |                     |          |  |  |
| 15                           | QPSK       | 1       | 74        | 23.55                 | 23.64                    | 23.52                  |                     |          |  |  |
| 15                           | QPSK       | 36      | 0         | 22.66                 | 22.77                    | 22.69                  | 24                  | 1        |  |  |
| 15                           | QPSK       | 36      | 20        | 22.54                 | 22.71                    | 22.64                  |                     |          |  |  |
| 15                           | QPSK       | 36      | 39        | 22.58                 | 22.73                    | 22.63                  |                     |          |  |  |
| 15                           | QPSK       | 75      | 0         | 22.66                 | 22.72                    | 22.64                  | 24                  | 1        |  |  |
| 15                           | 16QAM      | 1       | 0         | 22.94                 | 22.97                    | 22.90                  |                     |          |  |  |
| 15                           | 16QAM      | 1       | 37        | 22.85                 | 22.93                    | 22.83                  |                     |          |  |  |
| 15                           | 16QAM      | 1       | 74        | 22.83                 | 22.90                    | 22.85                  | 23                  | 2        |  |  |
| 15                           | 16QAM      | 36      | 0         | 21.58                 | 21.73                    | 21.57                  |                     |          |  |  |
| 15                           | 16QAM      | 36      | 20        | 21.50                 | 21.60                    | 21.58                  |                     |          |  |  |
| 15                           | 16QAM      | 36      | 39        | 21.61                 | 21.64                    | 21.58                  | 23                  | 2        |  |  |
| 15                           | 16QAM      | 75      | 0         | 21.62                 | 21.73                    | 21.61                  |                     |          |  |  |
| 15                           | 64QAM      | 1       | 0         | 21.79                 | 21.85                    | 21.83                  |                     |          |  |  |
| 15                           | 64QAM      | 1       | 37        | 21.71                 | 21.74                    | 21.61                  | 22                  | 3        |  |  |
| 15                           | 64QAM      | 1       | 74        | 21.56                 | 21.69                    | 21.60                  |                     |          |  |  |
| 15                           | 64QAM      | 36      | 0         | 20.62                 | 20.74                    | 20.59                  |                     |          |  |  |
| 15                           | 64QAM      | 36      | 20        | 20.52                 | 20.69                    | 20.66                  | 20                  | 5        |  |  |
| 15                           | 64QAM      | 36      | 39        | 20.53                 | 20.65                    | 20.54                  |                     |          |  |  |
| 15                           | 64QAM      | 75      | 0         | 20.67                 | 20.77                    | 20.61                  |                     |          |  |  |
| 15                           | 256QAM     | 1       | 0         | 18.63                 | 18.68                    | 18.60                  | 20                  | 5        |  |  |
| 15                           | 256QAM     | 1       | 37        | 18.63                 | 18.63                    | 18.63                  |                     |          |  |  |
| 15                           | 256QAM     | 1       | 74        | 18.68                 | 18.61                    | 18.59                  |                     |          |  |  |
| 15                           | 256QAM     | 36      | 0         | 18.70                 | 18.75                    | 18.72                  | 20                  | 5        |  |  |
| 15                           | 256QAM     | 36      | 20        | 18.67                 | 18.73                    | 18.65                  |                     |          |  |  |
| 15                           | 256QAM     | 36      | 39        | 18.70                 | 18.74                    | 18.58                  |                     |          |  |  |
| 15                           | 256QAM     | 75      | 0         | 18.73                 | 18.77                    | 18.68                  | 24                  | 1        |  |  |
| Channel                      |            |         |           | 26740                 | 26865                    | 26990                  |                     |          |  |  |
| Frequency (MHz)              |            |         |           | 819                   | 831.5                    | 844                    |                     |          |  |  |
| 10                           | QPSK       | 1       | 0         | 23.70                 | 23.76                    | 23.54                  | 25                  | 0        |  |  |
| 10                           | QPSK       | 1       | 25        | 23.59                 | 23.67                    | 23.58                  |                     |          |  |  |
| 10                           | QPSK       | 1       | 49        | 23.43                 | 23.48                    | 23.45                  |                     |          |  |  |
| 10                           | QPSK       | 25      | 0         | 22.60                 | 22.74                    | 22.60                  | 24                  | 1        |  |  |
| 10                           | QPSK       | 25      | 12        | 22.40                 | 22.66                    | 22.59                  |                     |          |  |  |
| 10                           | QPSK       | 25      | 25        | 22.44                 | 22.71                    | 22.60                  |                     |          |  |  |
| 10                           | QPSK       | 50      | 0         | 22.56                 | 22.67                    | 22.58                  | 24                  | 1        |  |  |
| 10                           | 16QAM      | 1       | 0         | 22.81                 | 22.84                    | 22.77                  |                     |          |  |  |
| 10                           | 16QAM      | 1       | 25        | 22.76                 | 22.89                    | 22.72                  |                     |          |  |  |
| 10                           | 16QAM      | 1       | 49        | 22.79                 | 22.84                    | 22.78                  |                     |          |  |  |



|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 10              | 16QAM  | 25 | 0  | 21.55 | 21.57 | 21.52 | 23                  | 2        |
| 10              | 16QAM  | 25 | 12 | 21.41 | 21.51 | 21.52 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.50 | 21.51 | 21.52 |                     |          |
| 10              | 16QAM  | 50 | 0  | 21.59 | 21.65 | 21.58 | 23                  | 2        |
| 10              | 64QAM  | 1  | 0  | 21.73 | 21.79 | 21.72 |                     |          |
| 10              | 64QAM  | 1  | 25 | 21.65 | 21.70 | 21.55 |                     |          |
| 10              | 64QAM  | 1  | 49 | 21.53 | 21.62 | 21.51 | 22                  | 3        |
| 10              | 64QAM  | 25 | 0  | 20.50 | 20.70 | 20.43 |                     |          |
| 10              | 64QAM  | 25 | 12 | 20.48 | 20.67 | 20.60 |                     |          |
| 10              | 64QAM  | 25 | 25 | 20.39 | 20.57 | 20.41 | 20                  | 5        |
| 10              | 64QAM  | 50 | 0  | 20.58 | 20.71 | 20.48 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.57 | 18.69 | 18.69 |                     |          |
| 10              | 256QAM | 1  | 25 | 18.50 | 18.67 | 18.64 | 20                  | 5        |
| 10              | 256QAM | 1  | 49 | 18.65 | 18.64 | 18.49 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.67 | 18.85 | 18.69 |                     |          |
| 10              | 256QAM | 25 | 12 | 18.71 | 18.63 | 18.61 | 20                  | 5        |
| 10              | 256QAM | 25 | 25 | 18.71 | 18.74 | 18.65 |                     |          |
| 10              | 256QAM | 50 | 0  | 18.74 | 18.76 | 18.70 |                     |          |
| Channel         |        |    |    | 26715 | 26865 | 27015 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 816.5 | 831.5 | 846.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 23.71 | 23.64 | 23.55 | 25                  | 0        |
| 5               | QPSK   | 1  | 12 | 23.64 | 23.59 | 23.64 |                     |          |
| 5               | QPSK   | 1  | 24 | 23.51 | 23.61 | 23.46 |                     |          |
| 5               | QPSK   | 12 | 0  | 22.63 | 22.62 | 22.59 | 24                  | 1        |
| 5               | QPSK   | 12 | 7  | 22.49 | 22.67 | 22.49 |                     |          |
| 5               | QPSK   | 12 | 13 | 22.55 | 22.56 | 22.50 |                     |          |
| 5               | QPSK   | 25 | 0  | 22.52 | 22.64 | 22.54 | 24                  | 1        |
| 5               | 16QAM  | 1  | 0  | 22.83 | 22.86 | 22.79 |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.80 | 22.83 | 22.72 |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.76 | 22.88 | 22.77 | 23                  | 2        |
| 5               | 16QAM  | 12 | 0  | 21.53 | 21.59 | 21.45 |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.43 | 21.54 | 21.54 |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.44 | 21.55 | 21.42 | 23                  | 2        |
| 5               | 16QAM  | 25 | 0  | 21.46 | 21.68 | 21.46 |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.73 | 21.78 | 21.66 |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.57 | 21.59 | 21.53 | 23                  | 2        |
| 5               | 64QAM  | 1  | 24 | 21.44 | 21.65 | 21.52 |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.54 | 20.58 | 20.42 |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.39 | 20.62 | 20.63 | 22                  | 3        |
| 5               | 64QAM  | 12 | 13 | 20.50 | 20.52 | 20.44 |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.53 | 20.65 | 20.44 |                     |          |
| 5               | 256QAM | 1  | 0  | 18.50 | 18.68 | 18.58 | 20                  | 5        |
| 5               | 256QAM | 1  | 12 | 18.50 | 18.61 | 18.52 |                     |          |
| 5               | 256QAM | 1  | 24 | 18.56 | 18.61 | 18.48 |                     |          |
| 5               | 256QAM | 12 | 0  | 18.73 | 18.86 | 18.65 | 20                  | 5        |
| 5               | 256QAM | 12 | 7  | 18.70 | 18.78 | 18.61 |                     |          |
| 5               | 256QAM | 12 | 13 | 18.72 | 18.74 | 18.58 |                     |          |



|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 5               | 256QAM | 25 | 0  | 18.68 | 18.72 | 18.73 |                     |          |
| Channel         |        |    |    | 26705 | 26865 | 27025 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 815.5 | 831.5 | 847.5 |                     |          |
| 3               | QPSK   | 1  | 0  | 23.63 | 23.62 | 23.62 | 25                  | 0        |
| 3               | QPSK   | 1  | 8  | 23.55 | 23.67 | 23.60 |                     |          |
| 3               | QPSK   | 1  | 14 | 23.43 | 23.55 | 23.37 |                     |          |
| 3               | QPSK   | 8  | 0  | 22.52 | 22.73 | 22.53 | 24                  | 1        |
| 3               | QPSK   | 8  | 4  | 22.44 | 22.68 | 22.56 |                     |          |
| 3               | QPSK   | 8  | 7  | 22.45 | 22.57 | 22.58 |                     |          |
| 3               | QPSK   | 15 | 0  | 22.62 | 22.67 | 22.56 | 24                  | 1        |
| 3               | 16QAM  | 1  | 0  | 22.86 | 22.85 | 22.84 |                     |          |
| 3               | 16QAM  | 1  | 8  | 22.70 | 22.88 | 22.66 |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.78 | 22.83 | 22.76 | 23                  | 2        |
| 3               | 16QAM  | 8  | 0  | 21.48 | 21.65 | 21.50 |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.46 | 21.47 | 21.47 |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.47 | 21.55 | 21.41 | 22                  | 3        |
| 3               | 16QAM  | 15 | 0  | 21.55 | 21.70 | 21.55 |                     |          |
| 3               | 64QAM  | 1  | 0  | 21.66 | 21.71 | 21.69 |                     |          |
| 3               | 64QAM  | 1  | 8  | 21.61 | 21.63 | 21.54 | 23                  | 2        |
| 3               | 64QAM  | 1  | 14 | 21.45 | 21.53 | 21.52 |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.51 | 20.65 | 20.56 |                     |          |
| 3               | 64QAM  | 8  | 4  | 20.45 | 20.53 | 20.57 | 20                  | 5        |
| 3               | 64QAM  | 8  | 7  | 20.44 | 20.59 | 20.50 |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.51 | 20.70 | 20.51 |                     |          |
| 3               | 256QAM | 1  | 0  | 18.54 | 18.78 | 18.67 | 20                  | 5        |
| 3               | 256QAM | 1  | 8  | 18.55 | 18.64 | 18.55 |                     |          |
| 3               | 256QAM | 1  | 14 | 18.59 | 18.68 | 18.49 |                     |          |
| 3               | 256QAM | 8  | 0  | 18.75 | 18.85 | 18.74 | 20                  | 5        |
| 3               | 256QAM | 8  | 4  | 18.71 | 18.78 | 18.60 |                     |          |
| 3               | 256QAM | 8  | 7  | 18.63 | 18.82 | 18.61 |                     |          |
| 3               | 256QAM | 15 | 0  | 18.61 | 18.78 | 18.68 | 20                  | 5        |
| Channel         |        |    |    | 26697 | 26865 | 27033 |                     |          |
| Frequency (MHz) |        |    |    | 814.7 | 831.5 | 848.3 | Tune-up limit (dBm) | MPR (dB) |
| 1.4             | QPSK   | 1  | 0  | 23.62 | 23.76 | 23.57 |                     |          |
| 1.4             | QPSK   | 1  | 3  | 23.59 | 23.65 | 23.59 | 25                  | 0        |
| 1.4             | QPSK   | 1  | 5  | 23.47 | 23.54 | 23.45 |                     |          |
| 1.4             | QPSK   | 3  | 0  | 23.55 | 23.68 | 23.57 |                     |          |
| 1.4             | QPSK   | 3  | 1  | 23.45 | 23.61 | 23.61 | 24                  | 1        |
| 1.4             | QPSK   | 3  | 3  | 23.55 | 23.71 | 23.51 |                     |          |
| 1.4             | QPSK   | 6  | 0  | 22.59 | 22.70 | 22.61 |                     |          |
| 1.4             | 16QAM  | 1  | 0  | 22.87 | 22.81 | 22.88 | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 3  | 22.81 | 22.83 | 22.71 |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 22.66 | 22.84 | 22.77 |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 22.56 | 22.60 | 22.54 | 24                  | 1        |
| 1.4             | 16QAM  | 3  | 1  | 22.43 | 22.49 | 22.51 |                     |          |
| 1.4             | 16QAM  | 3  | 3  | 22.51 | 22.60 | 22.49 |                     |          |
| 1.4             | 16QAM  | 6  | 0  | 21.50 | 21.70 | 21.50 | 23                  | 2        |



|     |        |   |   |       |       |       |    |   |
|-----|--------|---|---|-------|-------|-------|----|---|
| 1.4 | 64QAM  | 1 | 0 | 21.67 | 21.75 | 21.68 | 23 | 2 |
| 1.4 | 64QAM  | 1 | 3 | 21.56 | 21.57 | 21.49 |    |   |
| 1.4 | 64QAM  | 1 | 5 | 21.49 | 21.60 | 21.57 |    |   |
| 1.4 | 64QAM  | 3 | 0 | 21.60 | 21.60 | 21.54 |    |   |
| 1.4 | 64QAM  | 3 | 1 | 21.37 | 21.62 | 21.60 |    |   |
| 1.4 | 64QAM  | 3 | 3 | 21.38 | 21.62 | 21.44 |    |   |
| 1.4 | 64QAM  | 6 | 0 | 20.54 | 20.70 | 20.57 | 22 | 3 |
| 1.4 | 256QAM | 1 | 0 | 18.58 | 18.75 | 18.60 | 20 | 5 |
| 1.4 | 256QAM | 1 | 3 | 18.62 | 18.69 | 18.61 |    |   |
| 1.4 | 256QAM | 1 | 5 | 18.69 | 18.65 | 18.46 |    |   |
| 1.4 | 256QAM | 3 | 0 | 18.72 | 18.84 | 18.71 |    |   |
| 1.4 | 256QAM | 3 | 1 | 18.61 | 18.72 | 18.62 |    |   |
| 1.4 | 256QAM | 3 | 3 | 18.75 | 18.72 | 18.56 |    |   |
| 1.4 | 256QAM | 6 | 0 | 18.65 | 18.77 | 18.72 | 20 | 5 |



| Band 71 Ant0 Default |            |         |           |                       |                          |                        |                     |          |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel              |            |         |           | 133222                | 133322                   | 133372                 |                     |          |
| Frequency (MHz)      |            |         |           | 673                   | 683                      | 688                    |                     |          |
| 20                   | QPSK       | 1       | 0         | 23.80                 | 23.84                    | 23.71                  | 25                  | 0        |
| 20                   | QPSK       | 1       | 49        | 23.62                 | 23.68                    | 23.62                  |                     |          |
| 20                   | QPSK       | 1       | 99        | 23.60                 | 23.64                    | 23.53                  |                     |          |
| 20                   | QPSK       | 50      | 0         | 22.81                 | 22.85                    | 22.82                  | 24                  | 1        |
| 20                   | QPSK       | 50      | 24        | 22.68                 | 22.73                    | 22.59                  |                     |          |
| 20                   | QPSK       | 50      | 50        | 22.63                 | 22.78                    | 22.64                  |                     |          |
| 20                   | QPSK       | 100     | 0         | 22.61                 | 22.72                    | 22.66                  |                     |          |
| 20                   | 16QAM      | 1       | 0         | 22.86                 | 22.94                    | 22.85                  | 24                  | 1        |
| 20                   | 16QAM      | 1       | 49        | 22.72                 | 22.86                    | 22.69                  |                     |          |
| 20                   | 16QAM      | 1       | 99        | 22.65                 | 22.79                    | 22.68                  |                     |          |
| 20                   | 16QAM      | 50      | 0         | 21.78                 | 21.83                    | 21.77                  | 23                  | 2        |
| 20                   | 16QAM      | 50      | 24        | 21.66                 | 21.68                    | 21.54                  |                     |          |
| 20                   | 16QAM      | 50      | 50        | 21.60                 | 21.66                    | 21.52                  |                     |          |
| 20                   | 16QAM      | 100     | 0         | 21.60                 | 21.70                    | 21.55                  |                     |          |
| 20                   | 64QAM      | 1       | 0         | 21.78                 | 21.89                    | 21.84                  | 23                  | 2        |
| 20                   | 64QAM      | 1       | 49        | 21.71                 | 21.86                    | 21.73                  |                     |          |
| 20                   | 64QAM      | 1       | 99        | 21.66                 | 21.74                    | 21.62                  |                     |          |
| 20                   | 64QAM      | 50      | 0         | 20.75                 | 20.81                    | 20.70                  | 22                  | 3        |
| 20                   | 64QAM      | 50      | 24        | 20.63                 | 20.66                    | 20.51                  |                     |          |
| 20                   | 64QAM      | 50      | 50        | 20.58                 | 20.64                    | 20.57                  |                     |          |
| 20                   | 64QAM      | 100     | 0         | 20.73                 | 20.77                    | 20.75                  |                     |          |
| 20                   | 256QAM     | 1       | 0         | 18.56                 | 18.79                    | 18.63                  | 20                  | 5        |
| 20                   | 256QAM     | 1       | 49        | 18.67                 | 18.62                    | 18.68                  |                     |          |
| 20                   | 256QAM     | 1       | 99        | 18.72                 | 18.74                    | 18.56                  |                     |          |
| 20                   | 256QAM     | 50      | 0         | 18.69                 | 18.80                    | 18.78                  | 20                  | 5        |
| 20                   | 256QAM     | 50      | 24        | 18.77                 | 18.69                    | 18.76                  |                     |          |
| 20                   | 256QAM     | 50      | 50        | 18.74                 | 18.78                    | 18.68                  |                     |          |
| 20                   | 256QAM     | 100     | 0         | 18.75                 | 18.73                    | 18.65                  |                     |          |
| Channel              |            |         |           | 133197                | 133297                   | 133397                 |                     |          |
| Frequency (MHz)      |            |         |           | 670.5                 | 680.5                    | 690.5                  |                     |          |
| 15                   | QPSK       | 1       | 0         | 23.73                 | 23.76                    | 23.57                  | 25                  | 0        |
| 15                   | QPSK       | 1       | 37        | 23.49                 | 23.62                    | 23.58                  |                     |          |
| 15                   | QPSK       | 1       | 74        | 23.45                 | 23.49                    | 23.39                  |                     |          |
| 15                   | QPSK       | 36      | 0         | 22.68                 | 22.75                    | 22.68                  | 24                  | 1        |
| 15                   | QPSK       | 36      | 20        | 22.59                 | 22.64                    | 22.56                  |                     |          |
| 15                   | QPSK       | 36      | 39        | 22.60                 | 22.66                    | 22.60                  |                     |          |
| 15                   | QPSK       | 75      | 0         | 22.44                 | 22.61                    | 22.53                  |                     |          |
| 15                   | 16QAM      | 1       | 0         | 22.82                 | 22.87                    | 22.81                  | 24                  | 1        |
| 15                   | 16QAM      | 1       | 37        | 22.64                 | 22.76                    | 22.53                  |                     |          |
| 15                   | 16QAM      | 1       | 74        | 22.51                 | 22.64                    | 22.65                  |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15              | 16QAM  | 36 | 0  | 21.64  | 21.68  | 21.65  | 23                  | 2        |
| 15              | 16QAM  | 36 | 20 | 21.61  | 21.55  | 21.38  |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.55  | 21.61  | 21.35  |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.55  | 21.68  | 21.38  | 23                  | 2        |
| 15              | 64QAM  | 1  | 0  | 21.74  | 21.75  | 21.81  |                     |          |
| 15              | 64QAM  | 1  | 37 | 21.62  | 21.82  | 21.68  |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.64  | 21.65  | 21.49  | 22                  | 3        |
| 15              | 64QAM  | 36 | 0  | 20.60  | 20.68  | 20.57  |                     |          |
| 15              | 64QAM  | 36 | 20 | 20.55  | 20.64  | 20.36  |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.52  | 20.57  | 20.53  | 20                  | 5        |
| 15              | 64QAM  | 75 | 0  | 20.65  | 20.64  | 20.58  |                     |          |
| 15              | 256QAM | 1  | 0  | 18.63  | 18.80  | 18.70  |                     |          |
| 15              | 256QAM | 1  | 37 | 18.61  | 18.70  | 18.61  | 20                  | 5        |
| 15              | 256QAM | 1  | 74 | 18.72  | 18.73  | 18.61  |                     |          |
| 15              | 256QAM | 36 | 0  | 18.68  | 18.90  | 18.73  |                     |          |
| 15              | 256QAM | 36 | 20 | 18.71  | 18.75  | 18.76  | 20                  | 5        |
| 15              | 256QAM | 36 | 39 | 18.73  | 18.79  | 18.73  |                     |          |
| 15              | 256QAM | 75 | 0  | 18.77  | 18.82  | 18.67  |                     |          |
| Channel         |        |    |    | 133172 | 133272 | 133422 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 668    | 678    | 693    |                     |          |
| 10              | QPSK   | 1  | 0  | 23.77  | 23.79  | 23.63  | 25                  | 0        |
| 10              | QPSK   | 1  | 25 | 23.49  | 23.54  | 23.58  |                     |          |
| 10              | QPSK   | 1  | 49 | 23.51  | 23.61  | 23.48  |                     |          |
| 10              | QPSK   | 25 | 0  | 22.73  | 22.76  | 22.67  | 24                  | 1        |
| 10              | QPSK   | 25 | 12 | 22.60  | 22.67  | 22.42  |                     |          |
| 10              | QPSK   | 25 | 25 | 22.55  | 22.69  | 22.62  |                     |          |
| 10              | QPSK   | 50 | 0  | 22.50  | 22.64  | 22.60  | 24                  | 1        |
| 10              | 16QAM  | 1  | 0  | 22.78  | 22.91  | 22.77  |                     |          |
| 10              | 16QAM  | 1  | 25 | 22.61  | 22.75  | 22.54  |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.53  | 22.70  | 22.59  | 23                  | 2        |
| 10              | 16QAM  | 25 | 0  | 21.66  | 21.76  | 21.64  |                     |          |
| 10              | 16QAM  | 25 | 12 | 21.58  | 21.55  | 21.42  |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.50  | 21.62  | 21.42  | 23                  | 2        |
| 10              | 16QAM  | 50 | 0  | 21.55  | 21.55  | 21.48  |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.61  | 21.75  | 21.72  |                     |          |
| 10              | 64QAM  | 1  | 25 | 21.64  | 21.74  | 21.56  | 23                  | 2        |
| 10              | 64QAM  | 1  | 49 | 21.61  | 21.62  | 21.52  |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.69  | 20.74  | 20.61  |                     |          |
| 10              | 64QAM  | 25 | 12 | 20.58  | 20.51  | 20.39  | 22                  | 3        |
| 10              | 64QAM  | 25 | 25 | 20.56  | 20.47  | 20.45  |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.68  | 20.73  | 20.61  |                     |          |
| 10              | 256QAM | 1  | 0  | 18.66  | 18.72  | 18.72  | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.59  | 18.60  | 18.60  |                     |          |
| 10              | 256QAM | 1  | 49 | 18.70  | 18.77  | 18.59  |                     |          |
| 10              | 256QAM | 25 | 0  | 18.73  | 18.91  | 18.77  | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.71  | 18.75  | 18.66  |                     |          |
| 10              | 256QAM | 25 | 25 | 18.80  | 18.76  | 18.64  |                     |          |



| 10              | 256QAM | 50 | 0  | 18.64  | 18.85  | 18.74  |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| Channel         |        |    |    | 133147 | 133247 | 133447 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 665.5  | 675.5  | 695.5  |                     |          |
| 5               | QPSK   | 1  | 0  | 23.67  | 23.73  | 23.65  | 25                  | 0        |
| 5               | QPSK   | 1  | 12 | 23.53  | 23.59  | 23.58  |                     |          |
| 5               | QPSK   | 1  | 24 | 23.49  | 23.50  | 23.43  |                     |          |
| 5               | QPSK   | 12 | 0  | 22.72  | 22.77  | 22.77  | 24                  | 1        |
| 5               | QPSK   | 12 | 7  | 22.60  | 22.67  | 22.46  |                     |          |
| 5               | QPSK   | 12 | 13 | 22.49  | 22.69  | 22.59  |                     |          |
| 5               | QPSK   | 25 | 0  | 22.52  | 22.69  | 22.58  | 24                  | 1        |
| 5               | 16QAM  | 1  | 0  | 22.72  | 22.84  | 22.77  |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.66  | 22.82  | 22.66  |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.48  | 22.64  | 22.59  | 23                  | 2        |
| 5               | 16QAM  | 12 | 0  | 21.64  | 21.73  | 21.64  |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.51  | 21.65  | 21.39  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.55  | 21.57  | 21.44  | 23                  | 2        |
| 5               | 16QAM  | 25 | 0  | 21.51  | 21.58  | 21.40  |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.75  | 21.73  | 21.75  |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.57  | 21.82  | 21.58  | 23                  | 2        |
| 5               | 64QAM  | 1  | 24 | 21.51  | 21.65  | 21.56  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.73  | 20.71  | 20.64  |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.54  | 20.56  | 20.35  | 22                  | 3        |
| 5               | 64QAM  | 12 | 13 | 20.48  | 20.56  | 20.49  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.62  | 20.66  | 20.65  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.57  | 18.69  | 18.69  | 20                  | 5        |
| 5               | 256QAM | 1  | 12 | 18.61  | 18.72  | 18.70  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.74  | 18.73  | 18.51  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.70  | 18.83  | 18.76  | 20                  | 5        |
| 5               | 256QAM | 12 | 7  | 18.75  | 18.78  | 18.69  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.70  | 18.80  | 18.61  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.76  | 18.86  | 18.78  |                     |          |



| Band 2 Ant1 Default ENDC |            |         |           |                       |                          |                        |                     |          |
|--------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]                 | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel                  |            |         |           | 18700                 | 18900                    | 19100                  |                     |          |
| Frequency (MHz)          |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |
| 20                       | QPSK       | 1       | 0         | 23.79                 | 23.81                    | 23.79                  | 25                  | 0        |
| 20                       | QPSK       | 1       | 49        | 23.76                 | 23.80                    | 23.72                  |                     |          |
| 20                       | QPSK       | 1       | 99        | 23.73                 | 23.79                    | 23.66                  |                     |          |
| 20                       | QPSK       | 50      | 0         | 22.97                 | 22.98                    | 22.79                  | 24                  | 1        |
| 20                       | QPSK       | 50      | 24        | 22.91                 | 22.97                    | 22.84                  |                     |          |
| 20                       | QPSK       | 50      | 50        | 22.91                 | 22.91                    | 22.74                  |                     |          |
| 20                       | QPSK       | 100     | 0         | 22.72                 | 22.89                    | 22.72                  | 24                  | 1        |
| 20                       | 16QAM      | 1       | 0         | 22.62                 | 22.67                    | 22.51                  |                     |          |
| 20                       | 16QAM      | 1       | 49        | 22.62                 | 22.62                    | 22.54                  |                     |          |
| 20                       | 16QAM      | 1       | 99        | 22.50                 | 22.60                    | 22.58                  | 23                  | 2        |
| 20                       | 16QAM      | 50      | 0         | 21.78                 | 21.92                    | 21.72                  |                     |          |
| 20                       | 16QAM      | 50      | 24        | 21.76                 | 21.92                    | 21.89                  |                     |          |
| 20                       | 16QAM      | 50      | 50        | 21.71                 | 21.87                    | 21.73                  | 23                  | 2        |
| 20                       | 16QAM      | 100     | 0         | 21.88                 | 21.97                    | 21.87                  |                     |          |
| 20                       | 64QAM      | 1       | 0         | 22.29                 | 22.43                    | 22.33                  |                     |          |
| 20                       | 64QAM      | 1       | 49        | 22.33                 | 22.35                    | 22.30                  | 22                  | 3        |
| 20                       | 64QAM      | 1       | 99        | 22.26                 | 22.37                    | 22.15                  |                     |          |
| 20                       | 64QAM      | 50      | 0         | 20.92                 | 20.98                    | 20.77                  |                     |          |
| 20                       | 64QAM      | 50      | 24        | 20.97                 | 20.97                    | 20.77                  | 20                  | 5        |
| 20                       | 64QAM      | 50      | 50        | 20.74                 | 20.93                    | 20.74                  |                     |          |
| 20                       | 64QAM      | 100     | 0         | 20.87                 | 20.92                    | 20.86                  |                     |          |
| 20                       | 256QAM     | 1       | 0         | 18.89                 | 18.92                    | 18.81                  | 20                  | 5        |
| 20                       | 256QAM     | 1       | 49        | 18.68                 | 18.89                    | 18.90                  |                     |          |
| 20                       | 256QAM     | 1       | 99        | 18.65                 | 18.85                    | 18.74                  |                     |          |
| 20                       | 256QAM     | 50      | 0         | 18.73                 | 18.94                    | 18.88                  | 20                  | 5        |
| 20                       | 256QAM     | 50      | 24        | 18.78                 | 18.98                    | 18.77                  |                     |          |
| 20                       | 256QAM     | 50      | 50        | 18.88                 | 18.92                    | 18.80                  |                     |          |
| 20                       | 256QAM     | 100     | 0         | 18.75                 | 18.95                    | 18.94                  | 24                  | 1        |
| 15                       | QPSK       | 1       | 0         | 23.63                 | 23.72                    | 23.58                  |                     |          |
| 15                       | QPSK       | 1       | 37        | 23.57                 | 23.71                    | 23.72                  | 25                  | 0        |
| 15                       | QPSK       | 1       | 74        | 23.67                 | 23.67                    | 23.51                  |                     |          |
| 15                       | QPSK       | 36      | 0         | 22.77                 | 22.95                    | 22.68                  |                     |          |
| 15                       | QPSK       | 36      | 20        | 22.83                 | 22.85                    | 22.68                  | 24                  | 1        |
| 15                       | QPSK       | 36      | 39        | 22.86                 | 22.71                    | 22.58                  |                     |          |
| 15                       | QPSK       | 75      | 0         | 22.69                 | 22.88                    | 22.65                  |                     |          |
| 15                       | 16QAM      | 1       | 0         | 22.55                 | 22.57                    | 22.45                  | 24                  | 1        |
| 15                       | 16QAM      | 1       | 37        | 22.52                 | 22.53                    | 22.44                  |                     |          |
| Channel                  |            |         |           | 18675                 | 18900                    | 19125                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)          |            |         |           | 1857.5                | 1880                     | 1902.5                 |                     |          |





|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 15              | 16QAM  | 1  | 74 | 22.43 | 22.49 | 22.49 |                     |          |
| 15              | 16QAM  | 36 | 0  | 21.71 | 21.93 | 21.57 | 23                  | 2        |
| 15              | 16QAM  | 36 | 20 | 21.62 | 21.74 | 21.72 |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.50 | 21.66 | 21.75 |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.83 | 21.89 | 21.65 |                     |          |
| 15              | 64QAM  | 1  | 0  | 22.23 | 22.40 | 22.20 | 23                  | 2        |
| 15              | 64QAM  | 1  | 37 | 22.24 | 22.32 | 22.28 |                     |          |
| 15              | 64QAM  | 1  | 74 | 22.25 | 22.34 | 22.08 |                     |          |
| 15              | 64QAM  | 36 | 0  | 20.83 | 20.97 | 20.61 | 22                  | 3        |
| 15              | 64QAM  | 36 | 20 | 20.93 | 20.97 | 20.63 |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.68 | 20.91 | 20.54 |                     |          |
| 15              | 64QAM  | 75 | 0  | 20.88 | 20.75 | 20.83 |                     |          |
| 15              | 256QAM | 1  | 0  | 18.69 | 18.82 | 18.79 | 20                  | 5        |
| 15              | 256QAM | 1  | 37 | 18.58 | 18.82 | 18.89 |                     |          |
| 15              | 256QAM | 1  | 74 | 18.52 | 18.72 | 18.69 |                     |          |
| 15              | 256QAM | 36 | 0  | 18.68 | 18.73 | 18.67 | 20                  | 5        |
| 15              | 256QAM | 36 | 20 | 18.70 | 18.82 | 18.62 |                     |          |
| 15              | 256QAM | 36 | 39 | 18.90 | 18.82 | 18.64 |                     |          |
| 15              | 256QAM | 75 | 0  | 18.61 | 18.94 | 18.90 |                     |          |
| Channel         |        |    |    | 18650 | 18900 | 19150 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1855  | 1880  | 1905  |                     |          |
| 10              | QPSK   | 1  | 0  | 23.69 | 23.77 | 23.63 | 25                  | 0        |
| 10              | QPSK   | 1  | 25 | 23.66 | 23.70 | 23.70 |                     |          |
| 10              | QPSK   | 1  | 49 | 23.51 | 23.60 | 23.44 |                     |          |
| 10              | QPSK   | 25 | 0  | 22.89 | 22.87 | 22.59 | 24                  | 1        |
| 10              | QPSK   | 25 | 12 | 22.77 | 22.91 | 22.63 |                     |          |
| 10              | QPSK   | 25 | 25 | 22.83 | 22.78 | 22.58 |                     |          |
| 10              | QPSK   | 50 | 0  | 22.74 | 22.83 | 22.70 |                     |          |
| 10              | 16QAM  | 1  | 0  | 22.43 | 22.66 | 22.51 | 24                  | 1        |
| 10              | 16QAM  | 1  | 25 | 22.49 | 22.63 | 22.52 |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.50 | 22.62 | 22.57 |                     |          |
| 10              | 16QAM  | 25 | 0  | 21.75 | 21.87 | 21.61 | 23                  | 2        |
| 10              | 16QAM  | 25 | 12 | 21.59 | 21.84 | 21.79 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.60 | 21.72 | 21.60 |                     |          |
| 10              | 16QAM  | 50 | 0  | 21.76 | 21.76 | 21.80 |                     |          |
| 10              | 64QAM  | 1  | 0  | 22.28 | 22.41 | 22.29 | 23                  | 2        |
| 10              | 64QAM  | 1  | 25 | 22.29 | 22.15 | 22.09 |                     |          |
| 10              | 64QAM  | 1  | 49 | 22.10 | 22.31 | 22.09 |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.83 | 20.77 | 20.73 | 22                  | 3        |
| 10              | 64QAM  | 25 | 12 | 20.93 | 20.76 | 20.64 |                     |          |
| 10              | 64QAM  | 25 | 25 | 20.56 | 20.93 | 20.69 |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.71 | 20.91 | 20.72 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.83 | 18.90 | 18.75 | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.51 | 18.88 | 18.89 |                     |          |
| 10              | 256QAM | 1  | 49 | 18.54 | 18.69 | 18.73 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.53 | 18.81 | 18.78 | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.68 | 18.87 | 18.63 |                     |          |



|                 |        |    |    |        |       |        |                     |          |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|---------------------|----------|
| 10              | 256QAM | 25 | 25 | 18.89  | 18.88 | 18.64  |                     |          |                     |          |
| 10              | 256QAM | 50 | 0  | 18.77  | 18.88 | 18.94  |                     |          |                     |          |
| Channel         |        |    |    | 18625  | 18900 | 19175  | Tune-up limit (dBm) | MPR (dB) |                     |          |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1907.5 |                     |          |                     |          |
| 5               | QPSK   | 1  | 0  | 23.74  | 23.73 | 23.68  | 25                  | 0        |                     |          |
| 5               | QPSK   | 1  | 12 | 23.71  | 23.68 | 23.62  |                     |          |                     |          |
| 5               | QPSK   | 1  | 24 | 23.74  | 23.57 | 23.68  |                     |          |                     |          |
| 5               | QPSK   | 12 | 0  | 22.89  | 22.91 | 22.58  | 24                  | 1        |                     |          |
| 5               | QPSK   | 12 | 7  | 22.80  | 22.81 | 22.63  |                     |          |                     |          |
| 5               | QPSK   | 12 | 13 | 22.91  | 22.78 | 22.54  |                     |          |                     |          |
| 5               | QPSK   | 25 | 0  | 22.65  | 22.69 | 22.73  | 24                  | 1        |                     |          |
| 5               | 16QAM  | 1  | 0  | 22.61  | 22.68 | 22.36  |                     |          |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.50  | 22.41 | 22.40  |                     |          |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.41  | 22.58 | 22.57  | 23                  | 2        |                     |          |
| 5               | 16QAM  | 12 | 0  | 21.62  | 21.74 | 21.55  |                     |          |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.74  | 21.86 | 21.77  |                     |          |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.68  | 21.77 | 21.71  | 23                  | 2        |                     |          |
| 5               | 16QAM  | 25 | 0  | 21.72  | 21.78 | 21.73  |                     |          |                     |          |
| 5               | 64QAM  | 1  | 0  | 22.21  | 22.28 | 22.30  |                     |          |                     |          |
| 5               | 64QAM  | 1  | 12 | 22.30  | 22.21 | 22.14  | 23                  | 2        |                     |          |
| 5               | 64QAM  | 1  | 24 | 22.17  | 22.29 | 22.01  |                     |          |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.92  | 20.83 | 20.65  |                     |          |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.89  | 20.78 | 20.58  | 22                  | 3        |                     |          |
| 5               | 64QAM  | 12 | 13 | 20.55  | 20.83 | 20.63  |                     |          |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.70  | 20.91 | 20.67  |                     |          |                     |          |
| 5               | 256QAM | 1  | 0  | 18.85  | 18.84 | 18.68  | 20                  | 5        |                     |          |
| 5               | 256QAM | 1  | 12 | 18.67  | 18.81 | 18.87  |                     |          |                     |          |
| 5               | 256QAM | 1  | 24 | 18.56  | 18.71 | 18.56  |                     |          |                     |          |
| 5               | 256QAM | 12 | 0  | 18.67  | 18.84 | 18.68  | 20                  | 5        |                     |          |
| 5               | 256QAM | 12 | 7  | 18.79  | 18.93 | 18.56  |                     |          |                     |          |
| 5               | 256QAM | 12 | 13 | 18.87  | 18.80 | 18.66  |                     |          |                     |          |
| 5               | 256QAM | 25 | 0  | 18.64  | 18.74 | 18.85  | 20                  | 5        |                     |          |
| Channel         |        |    |    | 18615  | 18900 | 19185  |                     |          | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1908.5 |                     |          |                     |          |
| 3               | QPSK   | 1  | 0  | 23.60  | 23.77 | 23.68  | 25                  | 0        |                     |          |
| 3               | QPSK   | 1  | 8  | 23.70  | 23.66 | 23.51  |                     |          |                     |          |
| 3               | QPSK   | 1  | 14 | 23.55  | 23.77 | 23.48  |                     |          |                     |          |
| 3               | QPSK   | 8  | 0  | 22.75  | 22.92 | 22.65  | 24                  | 1        |                     |          |
| 3               | QPSK   | 8  | 4  | 22.80  | 22.77 | 22.66  |                     |          |                     |          |
| 3               | QPSK   | 8  | 7  | 22.84  | 22.76 | 22.65  |                     |          |                     |          |
| 3               | QPSK   | 15 | 0  | 22.54  | 22.78 | 22.70  | 24                  | 1        |                     |          |
| 3               | 16QAM  | 1  | 0  | 22.42  | 22.59 | 22.47  |                     |          |                     |          |
| 3               | 16QAM  | 1  | 8  | 22.54  | 22.59 | 22.50  |                     |          |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.35  | 22.38 | 22.47  | 23                  | 2        |                     |          |
| 3               | 16QAM  | 8  | 0  | 21.68  | 21.85 | 21.56  |                     |          |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.62  | 21.79 | 21.88  |                     |          |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.53  | 21.88 | 21.51  |                     |          |                     |          |



|                 |        |    |    |        |       |        |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 3               | 16QAM  | 15 | 0  | 21.83  | 21.88 | 21.71  |                     |          |
| 3               | 64QAM  | 1  | 0  | 22.08  | 22.32 | 22.16  | 23                  | 2        |
| 3               | 64QAM  | 1  | 8  | 22.27  | 22.14 | 22.21  |                     |          |
| 3               | 64QAM  | 1  | 14 | 22.28  | 22.17 | 22.10  |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.93  | 20.82 | 20.70  | 22                  | 3        |
| 3               | 64QAM  | 8  | 4  | 20.86  | 20.84 | 20.65  |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.72  | 20.95 | 20.75  |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.71  | 20.72 | 20.68  |                     |          |
| 3               | 256QAM | 1  | 0  | 18.90  | 18.88 | 18.74  | 20                  | 5        |
| 3               | 256QAM | 1  | 8  | 18.59  | 18.89 | 18.85  |                     |          |
| 3               | 256QAM | 1  | 14 | 18.48  | 18.74 | 18.63  |                     |          |
| 3               | 256QAM | 8  | 0  | 18.55  | 18.82 | 18.74  | 20                  | 5        |
| 3               | 256QAM | 8  | 4  | 18.78  | 18.82 | 18.78  |                     |          |
| 3               | 256QAM | 8  | 7  | 18.71  | 18.90 | 18.69  |                     |          |
| 3               | 256QAM | 15 | 0  | 18.76  | 18.82 | 18.87  |                     |          |
| Channel         |        |    |    | 18607  | 18900 | 19193  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1909.3 |                     |          |
| 1.4             | QPSK   | 1  | 0  | 23.65  | 23.80 | 23.65  | 25                  | 0        |
| 1.4             | QPSK   | 1  | 3  | 23.78  | 23.68 | 23.57  |                     |          |
| 1.4             | QPSK   | 1  | 5  | 23.70  | 23.62 | 23.63  |                     |          |
| 1.4             | QPSK   | 3  | 0  | 23.74  | 23.70 | 23.58  |                     |          |
| 1.4             | QPSK   | 3  | 1  | 23.62  | 23.67 | 23.65  |                     |          |
| 1.4             | QPSK   | 3  | 3  | 23.60  | 23.64 | 23.63  | 24                  | 1        |
| 1.4             | QPSK   | 6  | 0  | 22.86  | 22.95 | 22.74  |                     |          |
| 1.4             | 16QAM  | 1  | 0  | 22.72  | 22.86 | 22.76  | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 3  | 22.83  | 22.69 | 22.68  |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 22.55  | 22.72 | 22.74  |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 22.46  | 22.64 | 22.49  |                     |          |
| 1.4             | 16QAM  | 3  | 1  | 22.53  | 22.47 | 22.48  |                     |          |
| 1.4             | 16QAM  | 3  | 3  | 22.39  | 22.39 | 22.40  |                     |          |
| 1.4             | 16QAM  | 6  | 0  | 21.73  | 21.89 | 21.74  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 0  | 21.70  | 21.93 | 21.88  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 3  | 21.71  | 21.67 | 21.70  |                     |          |
| 1.4             | 64QAM  | 1  | 5  | 21.88  | 21.93 | 21.88  |                     |          |
| 1.4             | 64QAM  | 3  | 0  | 22.23  | 22.36 | 22.18  |                     |          |
| 1.4             | 64QAM  | 3  | 1  | 22.12  | 22.26 | 22.21  |                     |          |
| 1.4             | 64QAM  | 3  | 3  | 22.11  | 22.19 | 22.09  |                     |          |
| 1.4             | 64QAM  | 6  | 0  | 20.84  | 20.87 | 20.59  | 22                  | 3        |
| 1.4             | 256QAM | 1  | 0  | 18.70  | 18.90 | 18.81  | 20                  | 5        |
| 1.4             | 256QAM | 1  | 3  | 18.47  | 18.83 | 18.86  |                     |          |
| 1.4             | 256QAM | 1  | 5  | 18.62  | 18.64 | 18.61  |                     |          |
| 1.4             | 256QAM | 3  | 0  | 18.62  | 18.87 | 18.77  |                     |          |
| 1.4             | 256QAM | 3  | 1  | 18.56  | 18.83 | 18.64  |                     |          |
| 1.4             | 256QAM | 3  | 3  | 18.84  | 18.81 | 18.80  |                     |          |
| 1.4             | 256QAM | 6  | 0  | 18.72  | 18.81 | 18.96  | 20                  | 5        |



| Band 4 Ant1 Default ENDC |            |         |           |                       |                          |                        |                     |          |
|--------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]                 | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel                  |            |         |           | 20050                 | 20175                    | 20300                  |                     |          |
| Frequency (MHz)          |            |         |           | 1720                  | 1732.5                   | 1745                   |                     |          |
| 20                       | QPSK       | 1       | 0         | 23.30                 | 23.43                    | 23.40                  | 24.5                | 0        |
| 20                       | QPSK       | 1       | 49        | 23.25                 | 23.39                    | 23.30                  |                     |          |
| 20                       | QPSK       | 1       | 99        | 23.42                 | 23.38                    | 23.25                  |                     |          |
| 20                       | QPSK       | 50      | 0         | 22.82                 | 22.89                    | 22.84                  | 24                  | 0.5      |
| 20                       | QPSK       | 50      | 24        | 22.82                 | 22.81                    | 22.81                  |                     |          |
| 20                       | QPSK       | 50      | 50        | 22.80                 | 22.83                    | 22.65                  |                     |          |
| 20                       | QPSK       | 100     | 0         | 22.84                 | 22.86                    | 22.80                  | 24                  | 0.5      |
| 20                       | 16QAM      | 1       | 0         | 22.57                 | 22.65                    | 22.61                  |                     |          |
| 20                       | 16QAM      | 1       | 49        | 22.65                 | 22.72                    | 22.53                  |                     |          |
| 20                       | 16QAM      | 1       | 99        | 22.58                 | 22.77                    | 22.63                  | 23                  | 1.5      |
| 20                       | 16QAM      | 50      | 0         | 21.64                 | 21.85                    | 21.74                  |                     |          |
| 20                       | 16QAM      | 50      | 24        | 21.72                 | 21.91                    | 21.90                  |                     |          |
| 20                       | 16QAM      | 50      | 50        | 21.77                 | 21.92                    | 21.92                  | 23                  | 1.5      |
| 20                       | 16QAM      | 100     | 0         | 21.95                 | 21.93                    | 21.92                  |                     |          |
| 20                       | 64QAM      | 1       | 0         | 22.10                 | 22.32                    | 22.14                  |                     |          |
| 20                       | 64QAM      | 1       | 49        | 22.37                 | 22.38                    | 22.39                  | 22                  | 2.5      |
| 20                       | 64QAM      | 1       | 99        | 22.25                 | 22.32                    | 22.30                  |                     |          |
| 20                       | 64QAM      | 50      | 0         | 20.85                 | 20.99                    | 20.94                  |                     |          |
| 20                       | 64QAM      | 50      | 24        | 20.86                 | 20.91                    | 20.69                  | 20                  | 4.5      |
| 20                       | 64QAM      | 50      | 50        | 20.99                 | 21.00                    | 21.00                  |                     |          |
| 20                       | 64QAM      | 100     | 0         | 20.73                 | 20.88                    | 20.77                  |                     |          |
| 20                       | 256QAM     | 1       | 0         | 18.64                 | 18.85                    | 18.64                  | 20                  | 4.5      |
| 20                       | 256QAM     | 1       | 49        | 18.78                 | 18.91                    | 18.83                  |                     |          |
| 20                       | 256QAM     | 1       | 99        | 18.70                 | 18.86                    | 18.79                  |                     |          |
| 20                       | 256QAM     | 50      | 0         | 18.89                 | 18.93                    | 18.77                  | 20                  | 4.5      |
| 20                       | 256QAM     | 50      | 24        | 18.65                 | 18.85                    | 18.71                  |                     |          |
| 20                       | 256QAM     | 50      | 50        | 18.78                 | 18.88                    | 18.78                  |                     |          |
| 20                       | 256QAM     | 100     | 0         | 18.75                 | 18.87                    | 18.84                  |                     |          |
| Channel                  |            |         |           | 20025                 | 20175                    | 20325                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)          |            |         |           | 1717.5                | 1732.5                   | 1747.5                 |                     |          |
| 15                       | QPSK       | 1       | 0         | 23.24                 | 23.35                    | 23.34                  | 24.5                | 0        |
| 15                       | QPSK       | 1       | 37        | 23.20                 | 23.32                    | 23.26                  |                     |          |
| 15                       | QPSK       | 1       | 74        | 23.34                 | 23.32                    | 23.20                  |                     |          |
| 15                       | QPSK       | 36      | 0         | 22.73                 | 22.84                    | 22.79                  | 24                  | 0.5      |
| 15                       | QPSK       | 36      | 20        | 22.81                 | 22.77                    | 22.72                  |                     |          |
| 15                       | QPSK       | 36      | 39        | 22.66                 | 22.82                    | 22.49                  |                     |          |
| 15                       | QPSK       | 75      | 0         | 22.74                 | 22.84                    | 22.80                  | 24                  | 0.5      |
| 15                       | 16QAM      | 1       | 0         | 22.55                 | 22.55                    | 22.41                  |                     |          |
| 15                       | 16QAM      | 1       | 37        | 22.50                 | 22.66                    | 22.46                  |                     |          |



|                 |        |    |    |       |        |       |                     |          |
|-----------------|--------|----|----|-------|--------|-------|---------------------|----------|
| 15              | 16QAM  | 1  | 74 | 22.47 | 22.63  | 22.42 |                     |          |
| 15              | 16QAM  | 36 | 0  | 21.53 | 21.75  | 21.72 | 23                  | 1.5      |
| 15              | 16QAM  | 36 | 20 | 21.54 | 21.90  | 21.88 |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.63 | 21.91  | 21.91 |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.91 | 21.87  | 21.71 |                     |          |
| 15              | 64QAM  | 1  | 0  | 21.93 | 22.18  | 21.98 | 23                  | 1.5      |
| 15              | 64QAM  | 1  | 37 | 22.32 | 22.36  | 22.35 |                     |          |
| 15              | 64QAM  | 1  | 74 | 22.27 | 22.19  | 22.31 |                     |          |
| 15              | 64QAM  | 36 | 0  | 20.84 | 20.78  | 20.85 | 22                  | 2.5      |
| 15              | 64QAM  | 36 | 20 | 20.65 | 20.83  | 20.57 |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.89 | 20.95  | 20.94 |                     |          |
| 15              | 64QAM  | 75 | 0  | 20.52 | 20.76  | 20.66 |                     |          |
| 15              | 256QAM | 1  | 0  | 18.65 | 18.73  | 18.54 | 20                  | 4.5      |
| 15              | 256QAM | 1  | 37 | 18.61 | 18.82  | 18.63 |                     |          |
| 15              | 256QAM | 1  | 74 | 18.60 | 18.75  | 18.62 |                     |          |
| 15              | 256QAM | 36 | 0  | 18.68 | 18.94  | 18.78 | 20                  | 4.5      |
| 15              | 256QAM | 36 | 20 | 18.57 | 18.75  | 18.67 |                     |          |
| 15              | 256QAM | 36 | 39 | 18.61 | 18.76  | 18.63 |                     |          |
| 15              | 256QAM | 75 | 0  | 18.69 | 18.69  | 18.80 |                     |          |
| Channel         |        |    |    | 20000 | 20175  | 20350 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1715  | 1732.5 | 1750  |                     |          |
| 10              | QPSK   | 1  | 0  | 23.24 | 23.41  | 23.30 | 24.5                | 0        |
| 10              | QPSK   | 1  | 25 | 23.18 | 23.30  | 23.27 |                     |          |
| 10              | QPSK   | 1  | 49 | 23.32 | 23.34  | 23.19 |                     |          |
| 10              | QPSK   | 25 | 0  | 22.70 | 22.90  | 22.74 | 24                  | 0.5      |
| 10              | QPSK   | 25 | 12 | 22.76 | 22.80  | 22.82 |                     |          |
| 10              | QPSK   | 25 | 25 | 22.79 | 22.83  | 22.44 |                     |          |
| 10              | QPSK   | 50 | 0  | 22.63 | 22.65  | 22.81 |                     |          |
| 10              | 16QAM  | 1  | 0  | 22.42 | 22.49  | 22.51 | 24                  | 0.5      |
| 10              | 16QAM  | 1  | 25 | 22.64 | 22.59  | 22.54 |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.41 | 22.60  | 22.49 |                     |          |
| 10              | 16QAM  | 25 | 0  | 21.61 | 21.69  | 21.70 | 23                  | 1.5      |
| 10              | 16QAM  | 25 | 12 | 21.53 | 21.71  | 21.86 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.56 | 21.88  | 21.87 |                     |          |
| 10              | 16QAM  | 50 | 0  | 21.78 | 21.80  | 21.94 |                     |          |
| 10              | 64QAM  | 1  | 0  | 22.11 | 22.25  | 21.94 | 23                  | 1.5      |
| 10              | 64QAM  | 1  | 25 | 22.26 | 22.20  | 22.28 |                     |          |
| 10              | 64QAM  | 1  | 49 | 22.24 | 22.20  | 22.21 |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.74 | 20.77  | 20.82 | 22                  | 2.5      |
| 10              | 64QAM  | 25 | 12 | 20.87 | 20.84  | 20.48 |                     |          |
| 10              | 64QAM  | 25 | 25 | 20.98 | 20.83  | 20.96 |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.72 | 20.78  | 20.69 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.53 | 18.75  | 18.51 | 20                  | 4.5      |
| 10              | 256QAM | 1  | 25 | 18.75 | 18.74  | 18.79 |                     |          |
| 10              | 256QAM | 1  | 49 | 18.65 | 18.71  | 18.59 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.80 | 18.79  | 18.55 | 20                  | 4.5      |
| 10              | 256QAM | 25 | 12 | 18.44 | 18.71  | 18.51 |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 10              | 256QAM | 25 | 25 | 18.69  | 18.89  | 18.65  |                     |          |
| 10              | 256QAM | 50 | 0  | 18.65  | 18.66  | 18.63  |                     |          |
| Channel         |        |    |    | 19975  | 20175  | 20375  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1712.5 | 1732.5 | 1752.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 23.27  | 23.35  | 23.37  | 24.5                | 0        |
| 5               | QPSK   | 1  | 12 | 23.18  | 23.37  | 23.24  |                     |          |
| 5               | QPSK   | 1  | 24 | 23.36  | 23.34  | 23.16  |                     |          |
| 5               | QPSK   | 12 | 0  | 22.72  | 22.82  | 22.76  | 24                  | 0.5      |
| 5               | QPSK   | 12 | 7  | 22.83  | 22.78  | 22.60  |                     |          |
| 5               | QPSK   | 12 | 13 | 22.78  | 22.83  | 22.46  |                     |          |
| 5               | QPSK   | 25 | 0  | 22.81  | 22.83  | 22.77  | 24                  | 0.5      |
| 5               | 16QAM  | 1  | 0  | 22.46  | 22.65  | 22.49  |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.60  | 22.69  | 22.48  |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.59  | 22.69  | 22.64  | 23                  | 1.5      |
| 5               | 16QAM  | 12 | 0  | 21.56  | 21.74  | 21.61  |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.52  | 21.79  | 21.92  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.57  | 21.77  | 21.92  | 23                  | 1.5      |
| 5               | 16QAM  | 25 | 0  | 21.76  | 21.83  | 21.76  |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.94  | 22.23  | 22.01  |                     |          |
| 5               | 64QAM  | 1  | 12 | 22.24  | 22.19  | 22.39  | 23                  | 1.5      |
| 5               | 64QAM  | 1  | 24 | 22.04  | 22.18  | 22.21  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.74  | 20.91  | 20.87  |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.87  | 20.70  | 20.67  | 22                  | 2.5      |
| 5               | 64QAM  | 12 | 13 | 20.85  | 20.93  | 20.84  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.57  | 20.81  | 20.71  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.42  | 18.85  | 18.57  | 20                  | 4.5      |
| 5               | 256QAM | 1  | 12 | 18.70  | 18.77  | 18.78  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.59  | 18.78  | 18.77  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.84  | 18.75  | 18.66  | 20                  | 4.5      |
| 5               | 256QAM | 12 | 7  | 18.54  | 18.70  | 18.70  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.58  | 18.89  | 18.70  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.64  | 18.65  | 18.64  |                     |          |
| Channel         |        |    |    | 19965  | 20175  | 20385  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1711.5 | 1732.5 | 1753.5 |                     |          |
| 3               | QPSK   | 1  | 0  | 23.21  | 23.37  | 23.36  | 24.5                | 0        |
| 3               | QPSK   | 1  | 8  | 23.16  | 23.30  | 23.26  |                     |          |
| 3               | QPSK   | 1  | 14 | 23.32  | 23.32  | 23.17  |                     |          |
| 3               | QPSK   | 8  | 0  | 22.69  | 22.76  | 22.64  | 24                  | 0.5      |
| 3               | QPSK   | 8  | 4  | 22.71  | 22.64  | 22.82  |                     |          |
| 3               | QPSK   | 8  | 7  | 22.70  | 22.69  | 22.62  |                     |          |
| 3               | QPSK   | 15 | 0  | 22.68  | 22.65  | 22.64  | 24                  | 0.5      |
| 3               | 16QAM  | 1  | 0  | 22.35  | 22.49  | 22.52  |                     |          |
| 3               | 16QAM  | 1  | 8  | 22.54  | 22.62  | 22.53  |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.52  | 22.66  | 22.63  | 23                  | 1.5      |
| 3               | 16QAM  | 8  | 0  | 21.55  | 21.85  | 21.56  |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.53  | 21.78  | 21.70  |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.63  | 21.74  | 21.77  |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 3               | 16QAM  | 15 | 0  | 21.86  | 21.73  | 21.88  |                     |          |
| 3               | 64QAM  | 1  | 0  | 21.89  | 22.14  | 22.05  | 23                  | 1.5      |
| 3               | 64QAM  | 1  | 8  | 22.24  | 22.17  | 22.39  |                     |          |
| 3               | 64QAM  | 1  | 14 | 22.17  | 22.24  | 22.12  |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.66  | 20.95  | 20.86  | 22                  | 2.5      |
| 3               | 64QAM  | 8  | 4  | 20.77  | 20.89  | 20.71  |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.85  | 21.01  | 20.79  |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.74  | 20.87  | 20.76  |                     |          |
| 3               | 256QAM | 1  | 0  | 18.44  | 18.81  | 18.58  | 20                  | 4.5      |
| 3               | 256QAM | 1  | 8  | 18.71  | 18.87  | 18.62  |                     |          |
| 3               | 256QAM | 1  | 14 | 18.69  | 18.86  | 18.78  |                     |          |
| 3               | 256QAM | 8  | 0  | 18.68  | 18.77  | 18.75  | 20                  | 4.5      |
| 3               | 256QAM | 8  | 4  | 18.55  | 18.82  | 18.63  |                     |          |
| 3               | 256QAM | 8  | 7  | 18.73  | 18.89  | 18.76  |                     |          |
| 3               | 256QAM | 15 | 0  | 18.55  | 18.70  | 18.68  |                     |          |
| Channel         |        |    |    | 19957  | 20175  | 20393  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1710.7 | 1732.5 | 1754.3 |                     |          |
| 1.4             | QPSK   | 1  | 0  | 23.25  | 23.34  | 23.37  | 24.5                | 0        |
| 1.4             | QPSK   | 1  | 3  | 23.22  | 23.34  | 23.23  |                     |          |
| 1.4             | QPSK   | 1  | 5  | 23.38  | 23.36  | 23.20  |                     |          |
| 1.4             | QPSK   | 3  | 0  | 23.20  | 23.37  | 23.30  |                     |          |
| 1.4             | QPSK   | 3  | 1  | 23.22  | 23.30  | 23.26  |                     |          |
| 1.4             | QPSK   | 3  | 3  | 23.38  | 23.29  | 23.18  | 24                  | 0.5      |
| 1.4             | QPSK   | 6  | 0  | 22.71  | 22.84  | 22.83  |                     |          |
| 1.4             | 16QAM  | 1  | 0  | 22.67  | 22.80  | 22.74  | 24                  | 0.5      |
| 1.4             | 16QAM  | 1  | 3  | 22.80  | 22.75  | 22.46  |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 22.67  | 22.70  | 22.60  |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 22.57  | 22.55  | 22.62  |                     |          |
| 1.4             | 16QAM  | 3  | 1  | 22.49  | 22.57  | 22.41  |                     |          |
| 1.4             | 16QAM  | 3  | 3  | 22.58  | 22.68  | 22.64  |                     |          |
| 1.4             | 16QAM  | 6  | 0  | 21.56  | 21.70  | 21.52  | 23                  | 1.5      |
| 1.4             | 64QAM  | 1  | 0  | 21.52  | 21.73  | 21.84  | 23                  | 1.5      |
| 1.4             | 64QAM  | 1  | 3  | 21.58  | 21.85  | 21.80  |                     |          |
| 1.4             | 64QAM  | 1  | 5  | 21.94  | 21.80  | 21.86  |                     |          |
| 1.4             | 64QAM  | 3  | 0  | 22.02  | 22.32  | 22.03  |                     |          |
| 1.4             | 64QAM  | 3  | 1  | 22.25  | 22.32  | 22.29  |                     |          |
| 1.4             | 64QAM  | 3  | 3  | 22.16  | 22.14  | 22.10  | 22                  | 2.5      |
| 1.4             | 64QAM  | 6  | 0  | 20.85  | 20.81  | 20.86  |                     |          |
| 1.4             | 256QAM | 1  | 0  | 18.46  | 18.68  | 18.60  | 20                  | 4.5      |
| 1.4             | 256QAM | 1  | 3  | 18.66  | 18.86  | 18.80  |                     |          |
| 1.4             | 256QAM | 1  | 5  | 18.65  | 18.87  | 18.69  |                     |          |
| 1.4             | 256QAM | 3  | 0  | 18.91  | 18.93  | 18.55  |                     |          |
| 1.4             | 256QAM | 3  | 1  | 18.49  | 18.75  | 18.50  |                     |          |
| 1.4             | 256QAM | 3  | 3  | 18.60  | 18.87  | 18.76  |                     |          |
| 1.4             | 256QAM | 6  | 0  | 18.56  | 18.87  | 18.86  | 20                  | 4.5      |



| Band 25 Ant1 Default ENDC |            |         |           |                       |                          |                        |                     |          |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]                  | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel                   |            |         |           | 26140                 | 26340                    | 26590                  |                     |          |
| Frequency (MHz)           |            |         |           | 1860                  | 1880                     | 1905                   |                     |          |
| 20                        | QPSK       | 1       | 0         | 23.76                 | 23.83                    | 23.70                  | 25                  | 0        |
| 20                        | QPSK       | 1       | 49        | 23.73                 | 23.75                    | 23.69                  |                     |          |
| 20                        | QPSK       | 1       | 99        | 23.61                 | 23.80                    | 23.66                  |                     |          |
| 20                        | QPSK       | 50      | 0         | 22.62                 | 22.81                    | 22.77                  | 24                  | 1        |
| 20                        | QPSK       | 50      | 24        | 22.64                 | 22.79                    | 22.80                  |                     |          |
| 20                        | QPSK       | 50      | 50        | 22.60                 | 22.80                    | 22.69                  |                     |          |
| 20                        | QPSK       | 100     | 0         | 22.64                 | 22.78                    | 22.58                  |                     |          |
| 20                        | 16QAM      | 1       | 0         | 22.60                 | 22.70                    | 22.62                  | 24                  | 1        |
| 20                        | 16QAM      | 1       | 49        | 22.49                 | 22.58                    | 22.42                  |                     |          |
| 20                        | 16QAM      | 1       | 99        | 22.60                 | 22.63                    | 22.56                  |                     |          |
| 20                        | 16QAM      | 50      | 0         | 21.70                 | 21.72                    | 21.59                  | 23                  | 2        |
| 20                        | 16QAM      | 50      | 24        | 21.65                 | 21.80                    | 21.66                  |                     |          |
| 20                        | 16QAM      | 50      | 50        | 21.57                 | 21.75                    | 21.72                  |                     |          |
| 20                        | 16QAM      | 100     | 0         | 21.74                 | 21.84                    | 21.66                  |                     |          |
| 20                        | 64QAM      | 1       | 0         | 22.09                 | 22.30                    | 22.15                  | 23                  | 2        |
| 20                        | 64QAM      | 1       | 49        | 22.25                 | 22.34                    | 22.27                  |                     |          |
| 20                        | 64QAM      | 1       | 99        | 22.18                 | 22.24                    | 22.05                  |                     |          |
| 20                        | 64QAM      | 50      | 0         | 20.64                 | 20.85                    | 20.81                  | 22                  | 3        |
| 20                        | 64QAM      | 50      | 24        | 20.88                 | 20.87                    | 20.73                  |                     |          |
| 20                        | 64QAM      | 50      | 50        | 20.74                 | 20.79                    | 20.65                  |                     |          |
| 20                        | 64QAM      | 100     | 0         | 20.73                 | 20.80                    | 20.77                  |                     |          |
| 20                        | 256QAM     | 1       | 0         | 18.66                 | 18.80                    | 18.65                  | 20                  | 5        |
| 20                        | 256QAM     | 1       | 49        | 18.69                 | 18.85                    | 18.67                  |                     |          |
| 20                        | 256QAM     | 1       | 99        | 18.63                 | 18.77                    | 18.69                  |                     |          |
| 20                        | 256QAM     | 50      | 0         | 18.64                 | 18.81                    | 18.67                  | 20                  | 5        |
| 20                        | 256QAM     | 50      | 24        | 18.63                 | 18.83                    | 18.70                  |                     |          |
| 20                        | 256QAM     | 50      | 50        | 18.73                 | 18.77                    | 18.74                  |                     |          |
| 20                        | 256QAM     | 100     | 0         | 18.71                 | 18.82                    | 18.65                  |                     |          |
| Channel                   |            |         |           | 26115                 | 26340                    | 26615                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)           |            |         |           | 1857.5                | 1880                     | 1907.5                 |                     |          |
| 15                        | QPSK       | 1       | 0         | 23.62                 | 23.71                    | 23.52                  | 25                  | 0        |
| 15                        | QPSK       | 1       | 37        | 23.53                 | 23.62                    | 23.47                  |                     |          |
| 15                        | QPSK       | 1       | 74        | 23.42                 | 23.81                    | 23.59                  |                     |          |
| 15                        | QPSK       | 36      | 0         | 22.63                 | 22.69                    | 22.57                  | 24                  | 1        |
| 15                        | QPSK       | 36      | 20        | 22.59                 | 22.67                    | 22.59                  |                     |          |
| 15                        | QPSK       | 36      | 39        | 22.53                 | 22.76                    | 22.55                  |                     |          |
| 15                        | QPSK       | 75      | 0         | 22.62                 | 22.60                    | 22.50                  | 24                  | 1        |
| 15                        | 16QAM      | 1       | 0         | 22.60                 | 22.69                    | 22.45                  |                     |          |
| 15                        | 16QAM      | 1       | 37        | 22.48                 | 22.59                    | 22.38                  |                     |          |





|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 15              | 16QAM  | 1  | 74 | 22.54 | 22.56 | 22.42 |                     |          |
| 15              | 16QAM  | 36 | 0  | 21.69 | 21.69 | 21.49 | 23                  | 2        |
| 15              | 16QAM  | 36 | 20 | 21.53 | 21.72 | 21.50 |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.55 | 21.64 | 21.72 |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.62 | 21.62 | 21.57 |                     |          |
| 15              | 64QAM  | 1  | 0  | 22.02 | 22.23 | 22.00 | 23                  | 2        |
| 15              | 64QAM  | 1  | 37 | 22.22 | 22.33 | 22.10 |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.97 | 22.26 | 21.92 |                     |          |
| 15              | 64QAM  | 36 | 0  | 20.46 | 20.87 | 20.74 | 22                  | 3        |
| 15              | 64QAM  | 36 | 20 | 20.84 | 20.69 | 20.57 |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.56 | 20.78 | 20.63 |                     |          |
| 15              | 64QAM  | 75 | 0  | 20.59 | 20.61 | 20.76 |                     |          |
| 15              | 256QAM | 1  | 0  | 18.55 | 18.72 | 18.66 | 20                  | 5        |
| 15              | 256QAM | 1  | 37 | 18.50 | 18.67 | 18.46 |                     |          |
| 15              | 256QAM | 1  | 74 | 18.53 | 18.69 | 18.68 |                     |          |
| 15              | 256QAM | 36 | 0  | 18.51 | 18.71 | 18.46 | 20                  | 5        |
| 15              | 256QAM | 36 | 20 | 18.61 | 18.65 | 18.56 |                     |          |
| 15              | 256QAM | 36 | 39 | 18.71 | 18.62 | 18.57 |                     |          |
| 15              | 256QAM | 75 | 0  | 18.52 | 18.70 | 18.64 |                     |          |
| Channel         |        |    |    | 26090 | 26340 | 26640 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1855  | 1880  | 1910  |                     |          |
| 10              | QPSK   | 1  | 0  | 23.73 | 23.78 | 23.60 | 25                  | 0        |
| 10              | QPSK   | 1  | 25 | 23.53 | 23.75 | 23.67 |                     |          |
| 10              | QPSK   | 1  | 49 | 23.52 | 23.79 | 23.56 |                     |          |
| 10              | QPSK   | 25 | 0  | 22.51 | 22.68 | 22.63 | 24                  | 1        |
| 10              | QPSK   | 25 | 12 | 22.47 | 22.73 | 22.70 |                     |          |
| 10              | QPSK   | 25 | 25 | 22.51 | 22.79 | 22.53 |                     |          |
| 10              | QPSK   | 50 | 0  | 22.54 | 22.65 | 22.42 |                     |          |
| 10              | 16QAM  | 1  | 0  | 22.44 | 22.60 | 22.54 | 24                  | 1        |
| 10              | 16QAM  | 1  | 25 | 22.27 | 22.50 | 22.32 |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.58 | 22.51 | 22.47 |                     |          |
| 10              | 16QAM  | 25 | 0  | 21.68 | 21.51 | 21.51 | 23                  | 2        |
| 10              | 16QAM  | 25 | 12 | 21.45 | 21.67 | 21.62 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.58 | 21.68 | 21.70 |                     |          |
| 10              | 16QAM  | 50 | 0  | 21.53 | 21.71 | 21.56 |                     |          |
| 10              | 64QAM  | 1  | 0  | 22.01 | 22.21 | 22.01 | 23                  | 2        |
| 10              | 64QAM  | 1  | 25 | 22.09 | 22.13 | 22.14 |                     |          |
| 10              | 64QAM  | 1  | 49 | 22.09 | 22.22 | 21.92 |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.57 | 20.77 | 20.81 | 22                  | 3        |
| 10              | 64QAM  | 25 | 12 | 20.77 | 20.87 | 20.53 |                     |          |
| 10              | 64QAM  | 25 | 25 | 20.71 | 20.65 | 20.45 |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.58 | 20.61 | 20.78 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.61 | 18.59 | 18.45 | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.54 | 18.84 | 18.55 |                     |          |
| 10              | 256QAM | 1  | 49 | 18.54 | 18.57 | 18.49 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.57 | 18.82 | 18.53 | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.44 | 18.73 | 18.71 |                     |          |



|                 |        |    |    |        |       |        |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 10              | 256QAM | 25 | 25 | 18.59  | 18.61 | 18.62  |                     |          |
| 10              | 256QAM | 50 | 0  | 18.53  | 18.66 | 18.51  |                     |          |
| Channel         |        |    |    | 26065  | 26340 | 26665  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1912.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 23.58  | 23.68 | 23.70  | 25                  | 0        |
| 5               | QPSK   | 1  | 12 | 23.61  | 23.73 | 23.62  |                     |          |
| 5               | QPSK   | 1  | 24 | 23.60  | 23.81 | 23.44  |                     |          |
| 5               | QPSK   | 12 | 0  | 22.64  | 22.72 | 22.71  | 24                  | 1        |
| 5               | QPSK   | 12 | 7  | 22.52  | 22.80 | 22.80  |                     |          |
| 5               | QPSK   | 12 | 13 | 22.45  | 22.76 | 22.65  |                     |          |
| 5               | QPSK   | 25 | 0  | 22.56  | 22.57 | 22.54  | 24                  | 1        |
| 5               | 16QAM  | 1  | 0  | 22.50  | 22.67 | 22.48  |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.48  | 22.46 | 22.30  |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.53  | 22.46 | 22.37  | 23                  | 2        |
| 5               | 16QAM  | 12 | 0  | 21.62  | 21.66 | 21.42  |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.66  | 21.82 | 21.60  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.57  | 21.62 | 21.68  | 23                  | 2        |
| 5               | 16QAM  | 25 | 0  | 21.75  | 21.85 | 21.54  |                     |          |
| 5               | 64QAM  | 1  | 0  | 22.05  | 22.12 | 22.16  |                     |          |
| 5               | 64QAM  | 1  | 12 | 22.07  | 22.29 | 22.08  | 23                  | 2        |
| 5               | 64QAM  | 1  | 24 | 22.04  | 22.08 | 21.86  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.55  | 20.76 | 20.75  |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.75  | 20.68 | 20.54  | 22                  | 3        |
| 5               | 64QAM  | 12 | 13 | 20.75  | 20.64 | 20.52  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.57  | 20.69 | 20.71  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.55  | 18.62 | 18.53  | 20                  | 5        |
| 5               | 256QAM | 1  | 12 | 18.59  | 18.85 | 18.51  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.62  | 18.57 | 18.55  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.48  | 18.67 | 18.57  | 20                  | 5        |
| 5               | 256QAM | 12 | 7  | 18.49  | 18.74 | 18.65  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.63  | 18.66 | 18.68  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.73  | 18.78 | 18.61  |                     |          |
| Channel         |        |    |    | 26055  | 26340 | 26675  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1913.5 |                     |          |
| 3               | QPSK   | 1  | 0  | 23.73  | 23.80 | 23.64  | 25                  | 0        |
| 3               | QPSK   | 1  | 8  | 23.57  | 23.56 | 23.68  |                     |          |
| 3               | QPSK   | 1  | 14 | 23.54  | 23.78 | 23.63  |                     |          |
| 3               | QPSK   | 8  | 0  | 22.41  | 22.82 | 22.72  | 24                  | 1        |
| 3               | QPSK   | 8  | 4  | 22.45  | 22.76 | 22.82  |                     |          |
| 3               | QPSK   | 8  | 7  | 22.40  | 22.59 | 22.63  |                     |          |
| 3               | QPSK   | 15 | 0  | 22.61  | 22.67 | 22.53  | 24                  | 1        |
| 3               | 16QAM  | 1  | 0  | 22.60  | 22.61 | 22.62  |                     |          |
| 3               | 16QAM  | 1  | 8  | 22.39  | 22.56 | 22.28  |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.42  | 22.43 | 22.44  | 23                  | 2        |
| 3               | 16QAM  | 8  | 0  | 21.69  | 21.54 | 21.38  |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.56  | 21.72 | 21.48  |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.43  | 21.69 | 21.64  |                     |          |



|                 |        |    |    |        |       |        |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 3               | 16QAM  | 15 | 0  | 21.63  | 21.80 | 21.55  |                     |          |
| 3               | 64QAM  | 1  | 0  | 22.09  | 22.25 | 22.02  | 23                  | 2        |
| 3               | 64QAM  | 1  | 8  | 22.09  | 22.19 | 22.26  |                     |          |
| 3               | 64QAM  | 1  | 14 | 22.01  | 22.05 | 21.94  |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.51  | 20.86 | 20.82  | 22                  | 3        |
| 3               | 64QAM  | 8  | 4  | 20.76  | 20.82 | 20.54  |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.67  | 20.59 | 20.59  |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.67  | 20.80 | 20.59  |                     |          |
| 3               | 256QAM | 1  | 0  | 18.60  | 18.62 | 18.51  | 20                  | 5        |
| 3               | 256QAM | 1  | 8  | 18.56  | 18.63 | 18.60  |                     |          |
| 3               | 256QAM | 1  | 14 | 18.56  | 18.57 | 18.55  |                     |          |
| 3               | 256QAM | 8  | 0  | 18.56  | 18.75 | 18.59  | 20                  | 5        |
| 3               | 256QAM | 8  | 4  | 18.53  | 18.77 | 18.71  |                     |          |
| 3               | 256QAM | 8  | 7  | 18.73  | 18.63 | 18.57  |                     |          |
| 3               | 256QAM | 15 | 0  | 18.63  | 18.72 | 18.63  |                     |          |
| Channel         |        |    |    | 26047  | 26340 | 26683  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1914.3 |                     |          |
| 1.4             | QPSK   | 1  | 0  | 23.71  | 23.81 | 23.66  | 25                  | 0        |
| 1.4             | QPSK   | 1  | 3  | 23.55  | 23.58 | 23.47  |                     |          |
| 1.4             | QPSK   | 1  | 5  | 23.60  | 23.76 | 23.50  |                     |          |
| 1.4             | QPSK   | 3  | 0  | 23.61  | 23.73 | 23.54  |                     |          |
| 1.4             | QPSK   | 3  | 1  | 23.61  | 23.61 | 23.57  |                     |          |
| 1.4             | QPSK   | 3  | 3  | 23.41  | 23.70 | 23.57  | 24                  | 1        |
| 1.4             | QPSK   | 6  | 0  | 22.61  | 22.69 | 22.60  |                     |          |
| 1.4             | 16QAM  | 1  | 0  | 22.59  | 22.61 | 22.79  | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 3  | 22.51  | 22.63 | 22.65  |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 22.64  | 22.67 | 22.49  |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 22.62  | 22.51 | 22.56  |                     |          |
| 1.4             | 16QAM  | 3  | 1  | 22.48  | 22.51 | 22.36  |                     |          |
| 1.4             | 16QAM  | 3  | 3  | 22.54  | 22.64 | 22.50  |                     |          |
| 1.4             | 16QAM  | 6  | 0  | 21.50  | 21.67 | 21.43  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 0  | 21.57  | 21.80 | 21.59  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 3  | 21.51  | 21.70 | 21.51  |                     |          |
| 1.4             | 64QAM  | 1  | 5  | 21.59  | 21.63 | 21.50  |                     |          |
| 1.4             | 64QAM  | 3  | 0  | 22.00  | 22.29 | 22.16  |                     |          |
| 1.4             | 64QAM  | 3  | 1  | 22.11  | 22.29 | 22.23  |                     |          |
| 1.4             | 64QAM  | 3  | 3  | 22.14  | 22.09 | 21.91  |                     |          |
| 1.4             | 64QAM  | 6  | 0  | 20.53  | 20.63 | 20.74  | 22                  | 3        |
| 1.4             | 256QAM | 1  | 0  | 18.54  | 18.62 | 18.50  | 20                  | 5        |
| 1.4             | 256QAM | 1  | 3  | 18.49  | 18.77 | 18.55  |                     |          |
| 1.4             | 256QAM | 1  | 5  | 18.56  | 18.65 | 18.58  |                     |          |
| 1.4             | 256QAM | 3  | 0  | 18.57  | 18.75 | 18.68  |                     |          |
| 1.4             | 256QAM | 3  | 1  | 18.42  | 18.81 | 18.59  |                     |          |
| 1.4             | 256QAM | 3  | 3  | 18.66  | 18.68 | 18.60  |                     |          |
| 1.4             | 256QAM | 6  | 0  | 18.60  | 18.78 | 18.47  | 20                  | 5        |



| Band 66 Ant1 Default ENDC |            |         |           |                       |                          |                        |                     |          |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]                  | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel                   |            |         |           | 132072                | 132322                   | 132572                 |                     |          |
| Frequency (MHz)           |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |
| 20                        | QPSK       | 1       | 0         | 23.40                 | 23.48                    | 23.37                  | 24.5                | 0        |
| 20                        | QPSK       | 1       | 49        | 23.44                 | 23.40                    | 23.21                  |                     |          |
| 20                        | QPSK       | 1       | 99        | 23.26                 | 23.33                    | 23.15                  |                     |          |
| 20                        | QPSK       | 50      | 0         | 22.34                 | 22.52                    | 22.46                  | 24                  | 0.5      |
| 20                        | QPSK       | 50      | 24        | 22.33                 | 22.34                    | 22.31                  |                     |          |
| 20                        | QPSK       | 50      | 50        | 22.30                 | 22.35                    | 22.32                  |                     |          |
| 20                        | QPSK       | 100     | 0         | 22.17                 | 22.30                    | 22.29                  | 24                  | 0.5      |
| 20                        | 16QAM      | 1       | 0         | 22.14                 | 22.34                    | 22.22                  |                     |          |
| 20                        | 16QAM      | 1       | 49        | 22.04                 | 22.07                    | 22.00                  |                     |          |
| 20                        | 16QAM      | 1       | 99        | 22.13                 | 22.25                    | 22.13                  | 23                  | 1.5      |
| 20                        | 16QAM      | 50      | 0         | 21.19                 | 21.24                    | 21.13                  |                     |          |
| 20                        | 16QAM      | 50      | 24        | 21.21                 | 21.37                    | 21.26                  |                     |          |
| 20                        | 16QAM      | 50      | 50        | 21.20                 | 21.23                    | 21.40                  | 23                  | 1.5      |
| 20                        | 16QAM      | 100     | 0         | 21.24                 | 21.52                    | 21.15                  |                     |          |
| 20                        | 64QAM      | 1       | 0         | 21.69                 | 21.99                    | 21.74                  |                     |          |
| 20                        | 64QAM      | 1       | 49        | 21.86                 | 21.88                    | 21.96                  | 22                  | 2.5      |
| 20                        | 64QAM      | 1       | 99        | 21.83                 | 21.95                    | 21.66                  |                     |          |
| 20                        | 64QAM      | 50      | 0         | 20.22                 | 20.52                    | 20.34                  |                     |          |
| 20                        | 64QAM      | 50      | 24        | 20.57                 | 20.56                    | 20.38                  | 20                  | 4.5      |
| 20                        | 64QAM      | 50      | 50        | 20.31                 | 20.34                    | 20.26                  |                     |          |
| 20                        | 64QAM      | 100     | 0         | 20.24                 | 20.38                    | 20.42                  |                     |          |
| 20                        | 256QAM     | 1       | 0         | 18.23                 | 18.36                    | 18.21                  | 20                  | 4.5      |
| 20                        | 256QAM     | 1       | 49        | 18.23                 | 18.56                    | 18.26                  |                     |          |
| 20                        | 256QAM     | 1       | 99        | 18.20                 | 18.39                    | 18.36                  |                     |          |
| 20                        | 256QAM     | 50      | 0         | 18.35                 | 18.51                    | 18.21                  | 20                  | 4.5      |
| 20                        | 256QAM     | 50      | 24        | 18.13                 | 18.41                    | 18.28                  |                     |          |
| 20                        | 256QAM     | 50      | 50        | 18.42                 | 18.31                    | 18.23                  |                     |          |
| 20                        | 256QAM     | 100     | 0         | 18.26                 | 18.32                    | 18.16                  |                     |          |
| Channel                   |            |         |           | 132047                | 132322                   | 132597                 |                     |          |
| Frequency (MHz)           |            |         |           | 1717.5                | 1745                     | 1772.5                 | Tune-up limit (dBm) | MPR (dB) |
| 15                        | QPSK       | 1       | 0         | 23.20                 | 23.39                    | 23.18                  | 24.5                | 0        |
| 15                        | QPSK       | 1       | 37        | 23.29                 | 23.37                    | 23.04                  |                     |          |
| 15                        | QPSK       | 1       | 74        | 23.13                 | 23.34                    | 23.11                  |                     |          |
| 15                        | QPSK       | 36      | 0         | 22.17                 | 22.53                    | 22.36                  | 24                  | 0.5      |
| 15                        | QPSK       | 36      | 20        | 22.26                 | 22.15                    | 22.23                  |                     |          |
| 15                        | QPSK       | 36      | 39        | 22.09                 | 22.30                    | 22.26                  |                     |          |
| 15                        | QPSK       | 75      | 0         | 22.17                 | 22.17                    | 22.26                  | 24                  | 0.5      |
| 15                        | 16QAM      | 1       | 0         | 22.05                 | 22.16                    | 22.18                  |                     |          |
| 15                        | 16QAM      | 1       | 37        | 22.01                 | 22.09                    | 22.22                  |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15              | 16QAM  | 1  | 74 | 22.06  | 22.08  | 22.14  |                     |          |
| 15              | 16QAM  | 36 | 0  | 21.07  | 21.18  | 21.04  | 23                  | 1.5      |
| 15              | 16QAM  | 36 | 20 | 21.05  | 21.24  | 21.09  |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.19  | 21.07  | 21.23  |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.25  | 21.31  | 21.05  | 23                  | 1.5      |
| 15              | 64QAM  | 1  | 0  | 21.51  | 21.96  | 21.55  |                     |          |
| 15              | 64QAM  | 1  | 37 | 21.66  | 21.66  | 21.90  |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.75  | 21.92  | 21.50  | 22                  | 2.5      |
| 15              | 64QAM  | 36 | 0  | 20.06  | 20.47  | 20.26  |                     |          |
| 15              | 64QAM  | 36 | 20 | 20.50  | 20.53  | 20.32  |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.17  | 20.14  | 20.08  | 20                  | 4.5      |
| 15              | 64QAM  | 75 | 0  | 20.07  | 20.26  | 20.36  |                     |          |
| 15              | 256QAM | 1  | 0  | 18.13  | 18.22  | 18.22  |                     |          |
| 15              | 256QAM | 1  | 37 | 18.14  | 18.39  | 18.13  | 20                  | 4.5      |
| 15              | 256QAM | 1  | 74 | 18.01  | 18.22  | 18.24  |                     |          |
| 15              | 256QAM | 36 | 0  | 18.17  | 18.49  | 18.11  |                     |          |
| 15              | 256QAM | 36 | 20 | 18.01  | 18.24  | 18.20  | 20                  | 4.5      |
| 15              | 256QAM | 36 | 39 | 18.23  | 18.22  | 18.17  |                     |          |
| 15              | 256QAM | 75 | 0  | 18.19  | 18.32  | 18.21  |                     |          |
| Channel         |        |    |    | 132022 | 132322 | 132622 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1715   | 1745   | 1775   |                     |          |
| 10              | QPSK   | 1  | 0  | 23.36  | 23.26  | 23.29  | 24.5                | 0        |
| 10              | QPSK   | 1  | 25 | 23.40  | 23.35  | 23.15  |                     |          |
| 10              | QPSK   | 1  | 49 | 23.21  | 23.32  | 23.11  |                     |          |
| 10              | QPSK   | 25 | 0  | 22.29  | 22.52  | 22.42  | 24                  | 0.5      |
| 10              | QPSK   | 25 | 12 | 22.20  | 22.32  | 22.15  |                     |          |
| 10              | QPSK   | 25 | 25 | 22.17  | 22.24  | 22.31  |                     |          |
| 10              | QPSK   | 50 | 0  | 22.00  | 22.17  | 22.19  | 24                  | 0.5      |
| 10              | 16QAM  | 1  | 0  | 22.02  | 22.36  | 22.01  |                     |          |
| 10              | 16QAM  | 1  | 25 | 22.11  | 22.15  | 22.13  |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.11  | 22.24  | 22.14  | 23                  | 1.5      |
| 10              | 16QAM  | 25 | 0  | 21.21  | 21.03  | 21.08  |                     |          |
| 10              | 16QAM  | 25 | 12 | 21.04  | 21.37  | 21.19  |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.14  | 21.12  | 21.29  | 23                  | 1.5      |
| 10              | 16QAM  | 50 | 0  | 21.18  | 21.52  | 21.10  |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.50  | 21.82  | 21.55  |                     |          |
| 10              | 64QAM  | 1  | 25 | 21.77  | 21.77  | 21.90  | 23                  | 1.5      |
| 10              | 64QAM  | 1  | 49 | 21.66  | 21.77  | 21.56  |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.08  | 20.33  | 20.28  |                     |          |
| 10              | 64QAM  | 25 | 12 | 20.48  | 20.52  | 20.33  | 22                  | 2.5      |
| 10              | 64QAM  | 25 | 25 | 20.28  | 20.34  | 20.20  |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.22  | 20.37  | 20.30  |                     |          |
| 10              | 256QAM | 1  | 0  | 18.21  | 18.20  | 18.04  | 20                  | 4.5      |
| 10              | 256QAM | 1  | 25 | 18.23  | 18.43  | 18.11  |                     |          |
| 10              | 256QAM | 1  | 49 | 18.13  | 18.34  | 18.34  |                     |          |
| 10              | 256QAM | 25 | 0  | 18.17  | 18.42  | 18.02  | 20                  | 4.5      |
| 10              | 256QAM | 25 | 12 | 18.09  | 18.31  | 18.07  |                     |          |



|                 |        |    |    |        |        |        |                     |          |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|---------------------|----------|
| 10              | 256QAM | 25 | 25 | 18.28  | 18.25  | 18.14  |                     |          |                     |          |
| 10              | 256QAM | 50 | 0  | 18.09  | 18.11  | 18.05  |                     |          |                     |          |
| Channel         |        |    |    | 131997 | 132322 | 132647 | Tune-up limit (dBm) | MPR (dB) |                     |          |
| Frequency (MHz) |        |    |    | 1712.5 | 1745   | 1777.5 |                     |          |                     |          |
| 5               | QPSK   | 1  | 0  | 23.38  | 23.45  | 23.34  | 24.5                | 0        |                     |          |
| 5               | QPSK   | 1  | 12 | 23.29  | 23.25  | 23.06  |                     |          |                     |          |
| 5               | QPSK   | 1  | 24 | 23.25  | 23.17  | 23.04  |                     |          |                     |          |
| 5               | QPSK   | 12 | 0  | 22.31  | 22.32  | 22.40  | 24                  | 0.5      |                     |          |
| 5               | QPSK   | 12 | 7  | 22.23  | 22.20  | 22.28  |                     |          |                     |          |
| 5               | QPSK   | 12 | 13 | 22.15  | 22.15  | 22.11  |                     |          |                     |          |
| 5               | QPSK   | 25 | 0  | 22.06  | 22.25  | 22.12  | 24                  | 0.5      |                     |          |
| 5               | 16QAM  | 1  | 0  | 22.13  | 22.32  | 22.19  |                     |          |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.00  | 22.00  | 22.14  |                     |          |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.02  | 22.07  | 22.02  | 23                  | 1.5      |                     |          |
| 5               | 16QAM  | 12 | 0  | 21.21  | 21.23  | 21.06  |                     |          |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.22  | 21.26  | 21.22  |                     |          |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.13  | 21.23  | 21.20  | 23                  | 1.5      |                     |          |
| 5               | 16QAM  | 25 | 0  | 21.20  | 21.41  | 21.15  |                     |          |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.63  | 21.96  | 21.66  |                     |          |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.73  | 21.72  | 21.82  | 23                  | 1.5      |                     |          |
| 5               | 64QAM  | 1  | 24 | 21.66  | 21.77  | 21.58  |                     |          |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.15  | 20.43  | 20.21  |                     |          |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.56  | 20.56  | 20.35  | 22                  | 2.5      |                     |          |
| 5               | 64QAM  | 12 | 13 | 20.27  | 20.33  | 20.08  |                     |          |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.17  | 20.23  | 20.22  |                     |          |                     |          |
| 5               | 256QAM | 1  | 0  | 18.19  | 18.24  | 18.06  | 20                  | 4.5      |                     |          |
| 5               | 256QAM | 1  | 12 | 18.06  | 18.51  | 18.11  |                     |          |                     |          |
| 5               | 256QAM | 1  | 24 | 18.02  | 18.24  | 18.24  |                     |          |                     |          |
| 5               | 256QAM | 12 | 0  | 18.21  | 18.40  | 18.17  | 20                  | 4.5      |                     |          |
| 5               | 256QAM | 12 | 7  | 18.03  | 18.31  | 18.11  |                     |          |                     |          |
| 5               | 256QAM | 12 | 13 | 18.28  | 18.28  | 18.07  |                     |          |                     |          |
| 5               | 256QAM | 25 | 0  | 18.24  | 18.34  | 18.10  | 20                  | 4.5      |                     |          |
| Channel         |        |    |    | 131987 | 132322 | 132657 |                     |          | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1711.5 | 1745   | 1778.5 |                     |          |                     |          |
| 3               | QPSK   | 1  | 0  | 23.31  | 23.31  | 23.37  | 24.5                | 0        |                     |          |
| 3               | QPSK   | 1  | 8  | 23.41  | 23.40  | 23.03  |                     |          |                     |          |
| 3               | QPSK   | 1  | 14 | 23.26  | 23.27  | 23.07  |                     |          |                     |          |
| 3               | QPSK   | 8  | 0  | 22.21  | 22.51  | 22.42  | 24                  | 0.5      |                     |          |
| 3               | QPSK   | 8  | 4  | 22.12  | 22.34  | 22.20  |                     |          |                     |          |
| 3               | QPSK   | 8  | 7  | 22.24  | 22.19  | 22.11  |                     |          |                     |          |
| 3               | QPSK   | 15 | 0  | 22.18  | 22.15  | 22.14  | 24                  | 0.5      |                     |          |
| 3               | 16QAM  | 1  | 0  | 22.11  | 22.23  | 22.05  |                     |          |                     |          |
| 3               | 16QAM  | 1  | 8  | 22.01  | 22.04  | 22.01  |                     |          |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.08  | 22.11  | 22.04  | 23                  | 1.5      |                     |          |
| 3               | 16QAM  | 8  | 0  | 21.15  | 21.04  | 21.10  |                     |          |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.13  | 21.27  | 21.10  |                     |          |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.12  | 21.13  | 21.42  |                     |          |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 3               | 16QAM  | 15 | 0  | 21.05  | 21.35  | 21.08  |                     |          |
| 3               | 64QAM  | 1  | 0  | 21.64  | 21.89  | 21.72  | 23                  | 1.5      |
| 3               | 64QAM  | 1  | 8  | 21.84  | 21.80  | 21.91  |                     |          |
| 3               | 64QAM  | 1  | 14 | 21.68  | 21.75  | 21.61  |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.16  | 20.33  | 20.14  | 22                  | 2.5      |
| 3               | 64QAM  | 8  | 4  | 20.53  | 20.38  | 20.21  |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.23  | 20.18  | 20.22  |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.10  | 20.23  | 20.43  |                     |          |
| 3               | 256QAM | 1  | 0  | 18.11  | 18.21  | 18.03  | 20                  | 4.5      |
| 3               | 256QAM | 1  | 8  | 18.02  | 18.44  | 18.09  |                     |          |
| 3               | 256QAM | 1  | 14 | 18.09  | 18.25  | 18.23  |                     |          |
| 3               | 256QAM | 8  | 0  | 18.15  | 18.37  | 18.02  | 20                  | 4.5      |
| 3               | 256QAM | 8  | 4  | 18.13  | 18.42  | 18.26  |                     |          |
| 3               | 256QAM | 8  | 7  | 18.24  | 18.14  | 18.05  |                     |          |
| 3               | 256QAM | 15 | 0  | 18.21  | 18.32  | 18.05  |                     |          |
| Channel         |        |    |    | 131979 | 132322 | 132665 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1710.7 | 1745   | 1779.3 |                     |          |
| 1.4             | QPSK   | 1  | 0  | 23.26  | 23.35  | 23.25  | 24.5                | 0        |
| 1.4             | QPSK   | 1  | 3  | 23.25  | 23.27  | 23.20  |                     |          |
| 1.4             | QPSK   | 1  | 5  | 23.07  | 23.35  | 23.11  |                     |          |
| 1.4             | QPSK   | 3  | 0  | 23.34  | 23.32  | 23.28  |                     |          |
| 1.4             | QPSK   | 3  | 1  | 23.34  | 23.32  | 23.03  |                     |          |
| 1.4             | QPSK   | 3  | 3  | 23.26  | 23.17  | 23.14  | 24                  | 0.5      |
| 1.4             | QPSK   | 6  | 0  | 22.22  | 22.33  | 22.43  |                     |          |
| 1.4             | 16QAM  | 1  | 0  | 22.22  | 22.20  | 22.14  |                     |          |
| 1.4             | 16QAM  | 1  | 3  | 22.28  | 22.30  | 22.27  |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 22.03  | 22.12  | 22.15  |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 22.01  | 22.28  | 22.05  |                     |          |
| 1.4             | 16QAM  | 3  | 1  | 22.06  | 22.24  | 22.09  |                     |          |
| 1.4             | 16QAM  | 3  | 3  | 22.01  | 22.05  | 22.09  |                     |          |
| 1.4             | 16QAM  | 6  | 0  | 21.11  | 21.04  | 21.06  | 23                  | 1.5      |
| 1.4             | 64QAM  | 1  | 0  | 21.17  | 21.23  | 21.05  | 23                  | 1.5      |
| 1.4             | 64QAM  | 1  | 3  | 21.01  | 21.20  | 21.37  |                     |          |
| 1.4             | 64QAM  | 1  | 5  | 21.16  | 21.35  | 21.09  |                     |          |
| 1.4             | 64QAM  | 3  | 0  | 21.71  | 21.95  | 21.75  |                     |          |
| 1.4             | 64QAM  | 3  | 1  | 21.78  | 21.86  | 21.92  |                     |          |
| 1.4             | 64QAM  | 3  | 3  | 21.79  | 21.79  | 21.62  |                     |          |
| 1.4             | 64QAM  | 6  | 0  | 20.47  | 20.46  | 20.40  | 22                  | 2.5      |
| 1.4             | 256QAM | 1  | 0  | 18.10  | 18.36  | 18.00  | 20                  | 4.5      |
| 1.4             | 256QAM | 1  | 3  | 18.03  | 18.41  | 18.26  |                     |          |
| 1.4             | 256QAM | 1  | 5  | 18.02  | 18.18  | 18.24  |                     |          |
| 1.4             | 256QAM | 3  | 0  | 18.32  | 18.36  | 18.16  |                     |          |
| 1.4             | 256QAM | 3  | 1  | 18.15  | 18.26  | 18.10  |                     |          |
| 1.4             | 256QAM | 3  | 3  | 18.30  | 18.26  | 18.17  |                     |          |
| 1.4             | 256QAM | 6  | 0  | 18.21  | 18.29  | 18.16  | 20                  | 4.5      |



| Band 2 Ant2 Default |            |         |           |                       |                          |                        |                     |          |
|---------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel             |            |         |           | 18700                 | 18900                    | 19100                  |                     |          |
| Frequency (MHz)     |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |
| 20                  | QPSK       | 1       | 0         | 23.41                 | 23.46                    | 23.44                  | 25                  | 0        |
| 20                  | QPSK       | 1       | 49        | 23.26                 | 23.41                    | 23.34                  |                     |          |
| 20                  | QPSK       | 1       | 99        | 23.24                 | 23.38                    | 23.35                  |                     |          |
| 20                  | QPSK       | 50      | 0         | 22.34                 | 22.49                    | 22.40                  | 24                  | 1        |
| 20                  | QPSK       | 50      | 24        | 22.38                 | 22.42                    | 22.33                  |                     |          |
| 20                  | QPSK       | 50      | 50        | 22.38                 | 22.45                    | 22.33                  |                     |          |
| 20                  | 16QAM      | 1       | 0         | 22.51                 | 22.59                    | 22.50                  | 24                  | 1        |
| 20                  | 16QAM      | 1       | 49        | 22.41                 | 22.49                    | 22.37                  |                     |          |
| 20                  | 16QAM      | 1       | 99        | 22.43                 | 22.56                    | 22.41                  |                     |          |
| 20                  | 16QAM      | 50      | 0         | 21.41                 | 21.54                    | 21.41                  | 23                  | 2        |
| 20                  | 16QAM      | 50      | 24        | 21.43                 | 21.45                    | 21.28                  |                     |          |
| 20                  | 16QAM      | 50      | 50        | 21.40                 | 21.52                    | 21.47                  |                     |          |
| 20                  | 16QAM      | 100     | 0         | 21.47                 | 21.53                    | 21.40                  | 23                  | 2        |
| 20                  | 64QAM      | 1       | 0         | 21.35                 | 21.49                    | 21.36                  |                     |          |
| 20                  | 64QAM      | 1       | 49        | 21.26                 | 21.34                    | 21.24                  |                     |          |
| 20                  | 64QAM      | 1       | 99        | 21.26                 | 21.36                    | 21.33                  | 22                  | 3        |
| 20                  | 64QAM      | 50      | 0         | 20.44                 | 20.50                    | 20.41                  |                     |          |
| 20                  | 64QAM      | 50      | 24        | 20.31                 | 20.35                    | 20.23                  |                     |          |
| 20                  | 64QAM      | 50      | 50        | 20.27                 | 20.42                    | 20.26                  | 20                  | 5        |
| 20                  | 64QAM      | 100     | 0         | 20.33                 | 20.47                    | 20.30                  |                     |          |
| 20                  | 256QAM     | 1       | 0         | 18.27                 | 18.45                    | 18.42                  |                     |          |
| 20                  | 256QAM     | 1       | 49        | 18.35                 | 18.41                    | 18.38                  | 20                  | 5        |
| 20                  | 256QAM     | 1       | 99        | 18.27                 | 18.33                    | 18.17                  |                     |          |
| 20                  | 256QAM     | 50      | 0         | 18.37                 | 18.59                    | 18.44                  |                     |          |
| 20                  | 256QAM     | 50      | 24        | 18.42                 | 18.45                    | 18.40                  | 24                  | 1        |
| 20                  | 256QAM     | 50      | 50        | 18.49                 | 18.49                    | 18.35                  |                     |          |
| 20                  | 256QAM     | 100     | 0         | 18.37                 | 18.43                    | 18.38                  |                     |          |
| Channel             |            |         |           | 18675                 | 18900                    | 19125                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)     |            |         |           | 1857.5                | 1880                     | 1902.5                 |                     |          |
| 15                  | QPSK       | 1       | 0         | 23.34                 | 23.35                    | 23.29                  |                     |          |
| 15                  | QPSK       | 1       | 37        | 23.15                 | 23.35                    | 23.27                  | 25                  | 0        |
| 15                  | QPSK       | 1       | 74        | 23.20                 | 23.26                    | 23.24                  |                     |          |
| 15                  | QPSK       | 36      | 0         | 22.30                 | 22.42                    | 22.28                  |                     |          |
| 15                  | QPSK       | 36      | 20        | 22.32                 | 22.26                    | 22.30                  | 24                  | 1        |
| 15                  | QPSK       | 36      | 39        | 22.24                 | 22.40                    | 22.28                  |                     |          |
| 15                  | QPSK       | 75      | 0         | 22.29                 | 22.40                    | 22.23                  |                     |          |
| 15                  | 16QAM      | 1       | 0         | 22.35                 | 22.54                    | 22.42                  | 24                  | 1        |
| 15                  | 16QAM      | 1       | 37        | 22.25                 | 22.43                    | 22.22                  |                     |          |





|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 15              | 16QAM  | 1  | 74 | 22.35 | 22.40 | 22.32 |                     |          |
| 15              | 16QAM  | 36 | 0  | 21.29 | 21.40 | 21.32 | 23                  | 2        |
| 15              | 16QAM  | 36 | 20 | 21.28 | 21.29 | 21.20 |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.36 | 21.44 | 21.41 |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.39 | 21.42 | 21.34 |                     |          |
| 15              | 64QAM  | 1  | 0  | 21.24 | 21.36 | 21.33 | 23                  | 2        |
| 15              | 64QAM  | 1  | 37 | 21.23 | 21.24 | 21.22 |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.15 | 21.23 | 21.19 |                     |          |
| 15              | 64QAM  | 36 | 0  | 20.30 | 20.33 | 20.33 | 22                  | 3        |
| 15              | 64QAM  | 36 | 20 | 20.28 | 20.23 | 20.11 |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.17 | 20.28 | 20.16 |                     |          |
| 15              | 64QAM  | 75 | 0  | 20.29 | 20.41 | 20.20 |                     |          |
| 15              | 256QAM | 1  | 0  | 18.33 | 18.40 | 18.36 | 20                  | 5        |
| 15              | 256QAM | 1  | 37 | 18.23 | 18.28 | 18.29 |                     |          |
| 15              | 256QAM | 1  | 74 | 18.35 | 18.31 | 18.18 |                     |          |
| 15              | 256QAM | 36 | 0  | 18.48 | 18.56 | 18.43 | 20                  | 5        |
| 15              | 256QAM | 36 | 20 | 18.32 | 18.39 | 18.43 |                     |          |
| 15              | 256QAM | 36 | 39 | 18.42 | 18.56 | 18.41 |                     |          |
| 15              | 256QAM | 75 | 0  | 18.45 | 18.40 | 18.37 |                     |          |
| Channel         |        |    |    | 18650 | 18900 | 19150 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1855  | 1880  | 1905  |                     |          |
| 10              | QPSK   | 1  | 0  | 23.31 | 23.33 | 23.33 | 25                  | 0        |
| 10              | QPSK   | 1  | 25 | 23.14 | 23.37 | 23.29 |                     |          |
| 10              | QPSK   | 1  | 49 | 23.08 | 23.35 | 23.28 |                     |          |
| 10              | QPSK   | 25 | 0  | 22.26 | 22.45 | 22.37 | 24                  | 1        |
| 10              | QPSK   | 25 | 12 | 22.22 | 22.39 | 22.21 |                     |          |
| 10              | QPSK   | 25 | 25 | 22.24 | 22.37 | 22.18 |                     |          |
| 10              | QPSK   | 50 | 0  | 22.22 | 22.34 | 22.24 |                     |          |
| 10              | 16QAM  | 1  | 0  | 22.37 | 22.53 | 22.44 | 24                  | 1        |
| 10              | 16QAM  | 1  | 25 | 22.25 | 22.42 | 22.30 |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.38 | 22.42 | 22.36 |                     |          |
| 10              | 16QAM  | 25 | 0  | 21.28 | 21.39 | 21.30 | 23                  | 2        |
| 10              | 16QAM  | 25 | 12 | 21.26 | 21.36 | 21.25 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.31 | 21.43 | 21.37 |                     |          |
| 10              | 16QAM  | 50 | 0  | 21.36 | 21.49 | 21.28 |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.32 | 21.43 | 21.26 | 23                  | 2        |
| 10              | 64QAM  | 1  | 25 | 21.23 | 21.32 | 21.22 |                     |          |
| 10              | 64QAM  | 1  | 49 | 21.17 | 21.23 | 21.22 |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.39 | 20.41 | 20.34 | 22                  | 3        |
| 10              | 64QAM  | 25 | 12 | 20.21 | 20.20 | 20.11 |                     |          |
| 10              | 64QAM  | 25 | 25 | 20.11 | 20.30 | 20.17 |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.30 | 20.39 | 20.15 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.22 | 18.43 | 18.43 | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.29 | 18.31 | 18.30 |                     |          |
| 10              | 256QAM | 1  | 49 | 18.28 | 18.42 | 18.29 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.38 | 18.53 | 18.49 | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.45 | 18.36 | 18.43 |                     |          |



|                 |        |    |    |        |       |        |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 10              | 256QAM | 25 | 25 | 18.43  | 18.52 | 18.29  |                     |          |
| 10              | 256QAM | 50 | 0  | 18.40  | 18.40 | 18.33  |                     |          |
| Channel         |        |    |    | 18625  | 18900 | 19175  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1907.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 23.33  | 23.37 | 23.30  | 25                  | 0        |
| 5               | QPSK   | 1  | 12 | 23.23  | 23.34 | 23.24  |                     |          |
| 5               | QPSK   | 1  | 24 | 23.09  | 23.33 | 23.32  |                     |          |
| 5               | QPSK   | 12 | 0  | 22.29  | 22.43 | 22.23  | 24                  | 1        |
| 5               | QPSK   | 12 | 7  | 22.28  | 22.34 | 22.29  |                     |          |
| 5               | QPSK   | 12 | 13 | 22.36  | 22.33 | 22.28  |                     |          |
| 5               | QPSK   | 25 | 0  | 22.31  | 22.28 | 22.32  | 24                  | 1        |
| 5               | 16QAM  | 1  | 0  | 22.49  | 22.56 | 22.37  |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.36  | 22.40 | 22.32  |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.34  | 22.46 | 22.27  | 23                  | 2        |
| 5               | 16QAM  | 12 | 0  | 21.35  | 21.52 | 21.26  |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.33  | 21.29 | 21.13  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.26  | 21.39 | 21.35  | 23                  | 2        |
| 5               | 16QAM  | 25 | 0  | 21.38  | 21.41 | 21.35  |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.24  | 21.43 | 21.32  |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.16  | 21.29 | 21.17  | 23                  | 2        |
| 5               | 64QAM  | 1  | 24 | 21.09  | 21.28 | 21.25  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.41  | 20.33 | 20.37  |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.25  | 20.26 | 20.16  | 22                  | 3        |
| 5               | 64QAM  | 12 | 13 | 20.21  | 20.36 | 20.21  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.18  | 20.38 | 20.27  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.22  | 18.39 | 18.38  | 20                  | 5        |
| 5               | 256QAM | 1  | 12 | 18.32  | 18.34 | 18.24  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.35  | 18.37 | 18.21  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.43  | 18.50 | 18.46  | 20                  | 5        |
| 5               | 256QAM | 12 | 7  | 18.32  | 18.37 | 18.36  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.36  | 18.49 | 18.32  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.37  | 18.48 | 18.40  | 20                  | 5        |
| Channel         |        |    |    | 18615  | 18900 | 19185  |                     |          |
| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1908.5 | Tune-up limit (dBm) | MPR (dB) |
| 3               | QPSK   | 1  | 0  | 23.34  | 23.42 | 23.36  |                     |          |
| 3               | QPSK   | 1  | 8  | 23.24  | 23.37 | 23.28  | 25                  | 0        |
| 3               | QPSK   | 1  | 14 | 23.13  | 23.32 | 23.26  |                     |          |
| 3               | QPSK   | 8  | 0  | 22.30  | 22.42 | 22.30  |                     |          |
| 3               | QPSK   | 8  | 4  | 22.27  | 22.40 | 22.20  | 24                  | 1        |
| 3               | QPSK   | 8  | 7  | 22.33  | 22.41 | 22.28  |                     |          |
| 3               | QPSK   | 15 | 0  | 22.24  | 22.26 | 22.25  |                     |          |
| 3               | 16QAM  | 1  | 0  | 22.41  | 22.56 | 22.45  | 24                  | 1        |
| 3               | 16QAM  | 1  | 8  | 22.24  | 22.47 | 22.29  |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.31  | 22.48 | 22.27  |                     |          |
| 3               | 16QAM  | 8  | 0  | 21.28  | 21.46 | 21.36  | 23                  | 2        |
| 3               | 16QAM  | 8  | 4  | 21.32  | 21.40 | 21.11  |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.33  | 21.39 | 21.38  |                     |          |



|                 |        |    |    |        |       |        |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 3               | 16QAM  | 15 | 0  | 21.36  | 21.48 | 21.35  |                     |          |
| 3               | 64QAM  | 1  | 0  | 21.22  | 21.46 | 21.22  | 23                  | 2        |
| 3               | 64QAM  | 1  | 8  | 21.19  | 21.24 | 21.09  |                     |          |
| 3               | 64QAM  | 1  | 14 | 21.18  | 21.33 | 21.29  |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.36  | 20.43 | 20.31  | 22                  | 3        |
| 3               | 64QAM  | 8  | 4  | 20.28  | 20.26 | 20.15  |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.11  | 20.37 | 20.11  |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.24  | 20.43 | 20.22  |                     |          |
| 3               | 256QAM | 1  | 0  | 18.32  | 18.43 | 18.33  | 20                  | 5        |
| 3               | 256QAM | 1  | 8  | 18.29  | 18.33 | 18.25  |                     |          |
| 3               | 256QAM | 1  | 14 | 18.28  | 18.34 | 18.28  |                     |          |
| 3               | 256QAM | 8  | 0  | 18.36  | 18.56 | 18.37  | 20                  | 5        |
| 3               | 256QAM | 8  | 4  | 18.42  | 18.49 | 18.40  |                     |          |
| 3               | 256QAM | 8  | 7  | 18.37  | 18.43 | 18.40  |                     |          |
| 3               | 256QAM | 15 | 0  | 18.36  | 18.40 | 18.37  |                     |          |
| Channel         |        |    |    | 18607  | 18900 | 19193  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1909.3 |                     |          |
| 1.4             | QPSK   | 1  | 0  | 23.24  | 23.30 | 23.28  | 25                  | 0        |
| 1.4             | QPSK   | 1  | 3  | 23.22  | 23.29 | 23.22  |                     |          |
| 1.4             | QPSK   | 1  | 5  | 23.09  | 23.31 | 23.20  |                     |          |
| 1.4             | QPSK   | 3  | 0  | 23.28  | 23.40 | 23.33  |                     |          |
| 1.4             | QPSK   | 3  | 1  | 23.24  | 23.31 | 23.17  |                     |          |
| 1.4             | QPSK   | 3  | 3  | 23.25  | 23.43 | 23.17  | 24                  | 1        |
| 1.4             | QPSK   | 6  | 0  | 22.30  | 22.38 | 22.36  |                     |          |
| 1.4             | 16QAM  | 1  | 0  | 22.45  | 22.50 | 22.40  | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 3  | 22.37  | 22.42 | 22.25  |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 22.28  | 22.42 | 22.29  |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 22.33  | 22.44 | 22.32  |                     |          |
| 1.4             | 16QAM  | 3  | 1  | 22.37  | 22.34 | 22.13  |                     |          |
| 1.4             | 16QAM  | 3  | 3  | 22.24  | 22.48 | 22.34  |                     |          |
| 1.4             | 16QAM  | 6  | 0  | 21.41  | 21.51 | 21.26  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 0  | 21.21  | 21.44 | 21.24  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 3  | 21.19  | 21.27 | 21.19  |                     |          |
| 1.4             | 64QAM  | 1  | 5  | 21.19  | 21.29 | 21.20  |                     |          |
| 1.4             | 64QAM  | 3  | 0  | 21.40  | 21.38 | 21.37  |                     |          |
| 1.4             | 64QAM  | 3  | 1  | 21.20  | 21.30 | 21.14  |                     |          |
| 1.4             | 64QAM  | 3  | 3  | 21.15  | 21.28 | 21.23  |                     |          |
| 1.4             | 64QAM  | 6  | 0  | 20.18  | 20.44 | 20.26  | 22                  | 3        |
| 1.4             | 256QAM | 1  | 0  | 18.29  | 18.46 | 18.39  | 20                  | 5        |
| 1.4             | 256QAM | 1  | 3  | 18.29  | 18.32 | 18.36  |                     |          |
| 1.4             | 256QAM | 1  | 5  | 18.42  | 18.40 | 18.32  |                     |          |
| 1.4             | 256QAM | 3  | 0  | 18.38  | 18.49 | 18.40  |                     |          |
| 1.4             | 256QAM | 3  | 1  | 18.39  | 18.48 | 18.44  |                     |          |
| 1.4             | 256QAM | 3  | 3  | 18.37  | 18.57 | 18.33  |                     |          |
| 1.4             | 256QAM | 6  | 0  | 18.38  | 18.40 | 18.38  | 20                  | 5        |



## Band 4 Ant2 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 20050                 | 20175                    | 20300                  |                     |          |
| Frequency (MHz) |            |         |           | 1720                  | 1732.5                   | 1745                   |                     |          |
| 20              | QPSK       | 1       | 0         | 23.34                 | 23.52                    | 23.36                  | 25                  | 0        |
| 20              | QPSK       | 1       | 49        | 23.26                 | 23.37                    | 23.33                  |                     |          |
| 20              | QPSK       | 1       | 99        | 23.41                 | 23.48                    | 23.36                  |                     |          |
| 20              | QPSK       | 50      | 0         | 22.43                 | 22.49                    | 22.36                  | 24                  | 1        |
| 20              | QPSK       | 50      | 24        | 22.33                 | 22.43                    | 22.32                  |                     |          |
| 20              | QPSK       | 50      | 50        | 22.37                 | 22.46                    | 22.32                  |                     |          |
| 20              | 16QAM      | 1       | 0         | 22.64                 | 22.67                    | 22.61                  | 24                  | 1        |
| 20              | 16QAM      | 1       | 49        | 22.43                 | 22.57                    | 22.41                  |                     |          |
| 20              | 16QAM      | 1       | 99        | 22.54                 | 22.64                    | 22.57                  |                     |          |
| 20              | 16QAM      | 50      | 0         | 21.41                 | 21.47                    | 21.41                  | 23                  | 2        |
| 20              | 16QAM      | 50      | 24        | 21.30                 | 21.44                    | 21.30                  |                     |          |
| 20              | 16QAM      | 50      | 50        | 21.32                 | 21.44                    | 21.30                  |                     |          |
| 20              | 16QAM      | 100     | 0         | 21.29                 | 21.46                    | 21.33                  | 23                  | 2        |
| 20              | 64QAM      | 1       | 0         | 21.49                 | 21.63                    | 21.53                  |                     |          |
| 20              | 64QAM      | 1       | 49        | 21.51                 | 21.60                    | 21.47                  |                     |          |
| 20              | 64QAM      | 1       | 99        | 21.44                 | 21.60                    | 21.56                  | 22                  | 3        |
| 20              | 64QAM      | 50      | 0         | 20.23                 | 20.39                    | 20.24                  |                     |          |
| 20              | 64QAM      | 50      | 24        | 20.31                 | 20.36                    | 20.23                  |                     |          |
| 20              | 64QAM      | 50      | 50        | 20.18                 | 20.32                    | 20.21                  | 20                  | 5        |
| 20              | 64QAM      | 100     | 0         | 20.32                 | 20.42                    | 20.31                  |                     |          |
| 20              | 256QAM     | 1       | 0         | 18.32                 | 18.50                    | 18.39                  |                     |          |
| 20              | 256QAM     | 1       | 49        | 18.33                 | 18.38                    | 18.38                  | 20                  | 5        |
| 20              | 256QAM     | 1       | 99        | 18.37                 | 18.36                    | 18.28                  |                     |          |
| 20              | 256QAM     | 50      | 0         | 18.45                 | 18.59                    | 18.39                  |                     |          |
| 20              | 256QAM     | 50      | 24        | 18.38                 | 18.40                    | 18.43                  | 20                  | 5        |
| 20              | 256QAM     | 50      | 50        | 18.36                 | 18.54                    | 18.27                  |                     |          |
| 20              | 256QAM     | 100     | 0         | 18.42                 | 18.48                    | 18.41                  |                     |          |
| Channel         |            |         |           | 20025                 | 20175                    | 20325                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1717.5                | 1732.5                   | 1747.5                 |                     |          |
| 15              | QPSK       | 1       | 0         | 23.20                 | 23.48                    | 23.33                  | 25                  | 0        |
| 15              | QPSK       | 1       | 37        | 23.14                 | 23.25                    | 23.26                  |                     |          |
| 15              | QPSK       | 1       | 74        | 23.33                 | 23.44                    | 23.32                  |                     |          |
| 15              | QPSK       | 36      | 0         | 22.34                 | 22.34                    | 22.26                  | 24                  | 1        |
| 15              | QPSK       | 36      | 20        | 22.21                 | 22.29                    | 22.24                  |                     |          |
| 15              | QPSK       | 36      | 39        | 22.33                 | 22.36                    | 22.24                  |                     |          |
| 15              | QPSK       | 75      | 0         | 22.29                 | 22.29                    | 22.16                  | 24                  | 1        |
| 15              | 16QAM      | 1       | 0         | 22.57                 | 22.63                    | 22.54                  |                     |          |
| 15              | 16QAM      | 1       | 37        | 22.39                 | 22.48                    | 22.31                  |                     |          |



|                 |        |    |    |       |        |       |                     |          |
|-----------------|--------|----|----|-------|--------|-------|---------------------|----------|
| 15              | 16QAM  | 1  | 74 | 22.47 | 22.50  | 22.53 |                     |          |
| 15              | 16QAM  | 36 | 0  | 21.34 | 21.43  | 21.27 | 23                  | 2        |
| 15              | 16QAM  | 36 | 20 | 21.25 | 21.29  | 21.13 |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.17 | 21.36  | 21.17 |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.17 | 21.41  | 21.22 |                     |          |
| 15              | 64QAM  | 1  | 0  | 21.43 | 21.53  | 21.50 | 23                  | 2        |
| 15              | 64QAM  | 1  | 37 | 21.48 | 21.53  | 21.45 |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.37 | 21.53  | 21.46 |                     |          |
| 15              | 64QAM  | 36 | 0  | 20.13 | 20.24  | 20.11 | 22                  | 3        |
| 15              | 64QAM  | 36 | 20 | 20.27 | 20.20  | 20.11 |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.12 | 20.22  | 20.18 |                     |          |
| 15              | 64QAM  | 75 | 0  | 20.26 | 20.31  | 20.25 |                     |          |
| 15              | 256QAM | 1  | 0  | 18.31 | 18.41  | 18.30 | 20                  | 5        |
| 15              | 256QAM | 1  | 37 | 18.31 | 18.28  | 18.32 |                     |          |
| 15              | 256QAM | 1  | 74 | 18.32 | 18.41  | 18.20 |                     |          |
| 15              | 256QAM | 36 | 0  | 18.49 | 18.53  | 18.46 | 20                  | 5        |
| 15              | 256QAM | 36 | 20 | 18.33 | 18.49  | 18.45 |                     |          |
| 15              | 256QAM | 36 | 39 | 18.44 | 18.43  | 18.30 |                     |          |
| 15              | 256QAM | 75 | 0  | 18.43 | 18.53  | 18.43 |                     |          |
| Channel         |        |    |    | 20000 | 20175  | 20350 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1715  | 1732.5 | 1750  |                     |          |
| 10              | QPSK   | 1  | 0  | 23.21 | 23.42  | 23.30 | 25                  | 0        |
| 10              | QPSK   | 1  | 25 | 23.20 | 23.23  | 23.24 |                     |          |
| 10              | QPSK   | 1  | 49 | 23.27 | 23.45  | 23.28 |                     |          |
| 10              | QPSK   | 25 | 0  | 22.33 | 22.37  | 22.27 | 24                  | 1        |
| 10              | QPSK   | 25 | 12 | 22.22 | 22.28  | 22.29 |                     |          |
| 10              | QPSK   | 25 | 25 | 22.29 | 22.42  | 22.24 |                     |          |
| 10              | QPSK   | 50 | 0  | 22.24 | 22.28  | 22.27 |                     |          |
| 10              | 16QAM  | 1  | 0  | 22.51 | 22.59  | 22.45 | 24                  | 1        |
| 10              | 16QAM  | 1  | 25 | 22.38 | 22.43  | 22.35 |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.48 | 22.61  | 22.51 |                     |          |
| 10              | 16QAM  | 25 | 0  | 21.32 | 21.37  | 21.37 | 23                  | 2        |
| 10              | 16QAM  | 25 | 12 | 21.13 | 21.34  | 21.15 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.25 | 21.39  | 21.27 |                     |          |
| 10              | 16QAM  | 50 | 0  | 21.26 | 21.37  | 21.28 |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.34 | 21.54  | 21.48 | 23                  | 2        |
| 10              | 64QAM  | 1  | 25 | 21.48 | 21.43  | 21.36 |                     |          |
| 10              | 64QAM  | 1  | 49 | 21.41 | 21.49  | 21.41 |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.15 | 20.34  | 20.14 | 22                  | 3        |
| 10              | 64QAM  | 25 | 12 | 20.18 | 20.29  | 20.09 |                     |          |
| 10              | 64QAM  | 25 | 25 | 20.07 | 20.17  | 20.12 |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.26 | 20.36  | 20.25 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.25 | 18.49  | 18.31 | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.27 | 18.37  | 18.31 |                     |          |
| 10              | 256QAM | 1  | 49 | 18.42 | 18.43  | 18.25 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.44 | 18.49  | 18.46 | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.45 | 18.42  | 18.40 |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 10              | 256QAM | 25 | 25 | 18.49  | 18.51  | 18.36  |                     |          |
| 10              | 256QAM | 50 | 0  | 18.33  | 18.40  | 18.36  |                     |          |
| Channel         |        |    |    | 19975  | 20175  | 20375  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1712.5 | 1732.5 | 1752.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 23.20  | 23.41  | 23.28  | 25                  | 0        |
| 5               | QPSK   | 1  | 12 | 23.14  | 23.33  | 23.18  |                     |          |
| 5               | QPSK   | 1  | 24 | 23.26  | 23.38  | 23.32  |                     |          |
| 5               | QPSK   | 12 | 0  | 22.41  | 22.39  | 22.29  | 24                  | 1        |
| 5               | QPSK   | 12 | 7  | 22.17  | 22.36  | 22.18  |                     |          |
| 5               | QPSK   | 12 | 13 | 22.34  | 22.30  | 22.28  |                     |          |
| 5               | QPSK   | 25 | 0  | 22.22  | 22.37  | 22.21  | 24                  | 1        |
| 5               | 16QAM  | 1  | 0  | 22.58  | 22.50  | 22.47  |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.31  | 22.44  | 22.27  |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.39  | 22.55  | 22.55  | 23                  | 2        |
| 5               | 16QAM  | 12 | 0  | 21.27  | 21.31  | 21.27  |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.15  | 21.37  | 21.18  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.26  | 21.38  | 21.25  | 23                  | 2        |
| 5               | 16QAM  | 25 | 0  | 21.19  | 21.38  | 21.19  |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.47  | 21.52  | 21.38  |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.40  | 21.47  | 21.43  | 23                  | 2        |
| 5               | 64QAM  | 1  | 24 | 21.41  | 21.45  | 21.49  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.16  | 20.31  | 20.16  |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.18  | 20.23  | 20.08  | 22                  | 3        |
| 5               | 64QAM  | 12 | 13 | 20.13  | 20.18  | 20.06  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.29  | 20.39  | 20.16  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.24  | 18.36  | 18.36  | 20                  | 5        |
| 5               | 256QAM | 1  | 12 | 18.28  | 18.34  | 18.30  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.40  | 18.46  | 18.20  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.37  | 18.46  | 18.38  | 20                  | 5        |
| 5               | 256QAM | 12 | 7  | 18.44  | 18.36  | 18.39  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.45  | 18.50  | 18.38  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.43  | 18.52  | 18.35  |                     |          |
| Channel         |        |    |    | 19965  | 20175  | 20385  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1711.5 | 1732.5 | 1753.5 |                     |          |
| 3               | QPSK   | 1  | 0  | 23.23  | 23.42  | 23.21  | 25                  | 0        |
| 3               | QPSK   | 1  | 8  | 23.13  | 23.31  | 23.28  |                     |          |
| 3               | QPSK   | 1  | 14 | 23.26  | 23.46  | 23.28  |                     |          |
| 3               | QPSK   | 8  | 0  | 22.30  | 22.34  | 22.23  | 24                  | 1        |
| 3               | QPSK   | 8  | 4  | 22.20  | 22.35  | 22.30  |                     |          |
| 3               | QPSK   | 8  | 7  | 22.23  | 22.36  | 22.27  |                     |          |
| 3               | QPSK   | 15 | 0  | 22.22  | 22.38  | 22.20  | 24                  | 1        |
| 3               | 16QAM  | 1  | 0  | 22.55  | 22.58  | 22.48  |                     |          |
| 3               | 16QAM  | 1  | 8  | 22.39  | 22.47  | 22.27  |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.44  | 22.51  | 22.44  | 23                  | 2        |
| 3               | 16QAM  | 8  | 0  | 21.31  | 21.42  | 21.37  |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.13  | 21.31  | 21.17  |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.25  | 21.29  | 21.14  |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 3               | 16QAM  | 15 | 0  | 21.14  | 21.40  | 21.24  |                     |          |
| 3               | 64QAM  | 1  | 0  | 21.37  | 21.49  | 21.48  | 23                  | 2        |
| 3               | 64QAM  | 1  | 8  | 21.46  | 21.53  | 21.30  |                     |          |
| 3               | 64QAM  | 1  | 14 | 21.28  | 21.44  | 21.45  |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.21  | 20.36  | 20.10  | 22                  | 3        |
| 3               | 64QAM  | 8  | 4  | 20.16  | 20.27  | 20.06  |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.04  | 20.15  | 20.07  |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.16  | 20.39  | 20.15  |                     |          |
| 3               | 256QAM | 1  | 0  | 18.23  | 18.38  | 18.34  | 20                  | 5        |
| 3               | 256QAM | 1  | 8  | 18.25  | 18.31  | 18.24  |                     |          |
| 3               | 256QAM | 1  | 14 | 18.31  | 18.45  | 18.19  |                     |          |
| 3               | 256QAM | 8  | 0  | 18.46  | 18.51  | 18.44  | 20                  | 5        |
| 3               | 256QAM | 8  | 4  | 18.36  | 18.48  | 18.35  |                     |          |
| 3               | 256QAM | 8  | 7  | 18.36  | 18.46  | 18.31  |                     |          |
| 3               | 256QAM | 15 | 0  | 18.34  | 18.49  | 18.40  |                     |          |
| Channel         |        |    |    | 19957  | 20175  | 20393  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1710.7 | 1732.5 | 1754.3 |                     |          |
| 1.4             | QPSK   | 1  | 0  | 23.22  | 23.42  | 23.21  | 25                  | 0        |
| 1.4             | QPSK   | 1  | 3  | 23.12  | 23.34  | 23.23  |                     |          |
| 1.4             | QPSK   | 1  | 5  | 23.38  | 23.42  | 23.22  |                     |          |
| 1.4             | QPSK   | 3  | 0  | 23.31  | 23.37  | 23.23  |                     |          |
| 1.4             | QPSK   | 3  | 1  | 23.18  | 23.29  | 23.18  |                     |          |
| 1.4             | QPSK   | 3  | 3  | 23.32  | 23.30  | 23.27  | 24                  | 1        |
| 1.4             | QPSK   | 6  | 0  | 22.26  | 22.32  | 22.29  |                     |          |
| 1.4             | 16QAM  | 1  | 0  | 22.48  | 22.56  | 22.49  | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 3  | 22.37  | 22.45  | 22.36  |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 22.39  | 22.60  | 22.42  |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 22.38  | 22.38  | 22.28  |                     |          |
| 1.4             | 16QAM  | 3  | 1  | 22.24  | 22.38  | 22.13  |                     |          |
| 1.4             | 16QAM  | 3  | 3  | 22.26  | 22.40  | 22.16  |                     |          |
| 1.4             | 16QAM  | 6  | 0  | 21.16  | 21.43  | 21.30  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 0  | 21.47  | 21.55  | 21.43  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 3  | 21.34  | 21.44  | 21.40  |                     |          |
| 1.4             | 64QAM  | 1  | 5  | 21.27  | 21.51  | 21.53  |                     |          |
| 1.4             | 64QAM  | 3  | 0  | 21.09  | 21.31  | 21.12  |                     |          |
| 1.4             | 64QAM  | 3  | 1  | 21.19  | 21.29  | 21.15  |                     |          |
| 1.4             | 64QAM  | 3  | 3  | 21.10  | 21.28  | 21.15  |                     |          |
| 1.4             | 64QAM  | 6  | 0  | 20.22  | 20.29  | 20.21  | 22                  | 3        |
| 1.4             | 256QAM | 1  | 0  | 18.26  | 18.42  | 18.38  | 20                  | 5        |
| 1.4             | 256QAM | 1  | 3  | 18.36  | 18.31  | 18.33  |                     |          |
| 1.4             | 256QAM | 1  | 5  | 18.31  | 18.36  | 18.30  |                     |          |
| 1.4             | 256QAM | 3  | 0  | 18.45  | 18.58  | 18.48  |                     |          |
| 1.4             | 256QAM | 3  | 1  | 18.39  | 18.41  | 18.43  |                     |          |
| 1.4             | 256QAM | 3  | 3  | 18.36  | 18.50  | 18.33  |                     |          |
| 1.4             | 256QAM | 6  | 0  | 18.32  | 18.52  | 18.44  | 20                  | 5        |



| Band 7 Ant2 Default |            |         |           |                       |                          |                        |                     |          |
|---------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel             |            |         |           | 20850                 | 21100                    | 21350                  |                     |          |
| Frequency (MHz)     |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20                  | QPSK       | 1       | 0         | 23.60                 | 23.72                    | 23.55                  | 25                  | 0        |
| 20                  | QPSK       | 1       | 49        | 23.50                 | 23.53                    | 23.47                  |                     |          |
| 20                  | QPSK       | 1       | 99        | 23.49                 | 23.61                    | 23.47                  |                     |          |
| 20                  | QPSK       | 50      | 0         | 22.78                 | 22.82                    | 22.74                  | 24                  | 1        |
| 20                  | QPSK       | 50      | 24        | 22.59                 | 22.75                    | 22.69                  |                     |          |
| 20                  | QPSK       | 50      | 50        | 22.62                 | 22.72                    | 22.56                  |                     |          |
| 20                  | 16QAM      | 1       | 0         | 22.86                 | 22.96                    | 22.83                  | 24                  | 1        |
| 20                  | 16QAM      | 1       | 49        | 22.87                 | 22.93                    | 22.89                  |                     |          |
| 20                  | 16QAM      | 1       | 99        | 22.76                 | 22.88                    | 22.80                  |                     |          |
| 20                  | 16QAM      | 50      | 0         | 21.76                 | 21.88                    | 21.74                  | 23                  | 2        |
| 20                  | 16QAM      | 50      | 24        | 21.66                 | 21.81                    | 21.67                  |                     |          |
| 20                  | 16QAM      | 50      | 50        | 21.65                 | 21.75                    | 21.60                  |                     |          |
| 20                  | 16QAM      | 100     | 0         | 21.62                 | 21.75                    | 21.60                  | 23                  | 2        |
| 20                  | 64QAM      | 1       | 0         | 21.77                 | 21.91                    | 21.75                  |                     |          |
| 20                  | 64QAM      | 1       | 49        | 21.67                 | 21.80                    | 21.75                  |                     |          |
| 20                  | 64QAM      | 1       | 99        | 21.75                 | 21.81                    | 21.75                  | 22                  | 3        |
| 20                  | 64QAM      | 50      | 0         | 20.73                 | 20.86                    | 20.75                  |                     |          |
| 20                  | 64QAM      | 50      | 24        | 20.59                 | 20.72                    | 20.66                  |                     |          |
| 20                  | 64QAM      | 50      | 50        | 20.76                 | 20.82                    | 20.78                  | 20                  | 5        |
| 20                  | 64QAM      | 100     | 0         | 20.73                 | 20.78                    | 20.72                  |                     |          |
| 20                  | 256QAM     | 1       | 0         | 18.48                 | 18.76                    | 18.61                  |                     |          |
| 20                  | 256QAM     | 1       | 49        | 18.58                 | 18.62                    | 18.49                  | 20                  | 5        |
| 20                  | 256QAM     | 1       | 99        | 18.58                 | 18.59                    | 18.53                  |                     |          |
| 20                  | 256QAM     | 50      | 0         | 18.62                 | 18.73                    | 18.63                  |                     |          |
| 20                  | 256QAM     | 50      | 24        | 18.68                 | 18.69                    | 18.61                  | 24                  | 1        |
| 20                  | 256QAM     | 50      | 50        | 18.72                 | 18.73                    | 18.61                  |                     |          |
| 20                  | 256QAM     | 100     | 0         | 18.67                 | 18.72                    | 18.71                  |                     |          |
| Channel             |            |         |           | 20825                 | 21100                    | 21375                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)     |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |
| 15                  | QPSK       | 1       | 0         | 23.45                 | 23.56                    | 23.44                  | 25                  | 0        |
| 15                  | QPSK       | 1       | 37        | 23.41                 | 23.39                    | 23.34                  |                     |          |
| 15                  | QPSK       | 1       | 74        | 23.37                 | 23.44                    | 23.41                  |                     |          |
| 15                  | QPSK       | 36      | 0         | 22.63                 | 22.71                    | 22.68                  | 24                  | 1        |
| 15                  | QPSK       | 36      | 20        | 22.47                 | 22.59                    | 22.63                  |                     |          |
| 15                  | QPSK       | 36      | 39        | 22.58                 | 22.66                    | 22.42                  |                     |          |
| 15                  | QPSK       | 75      | 0         | 22.59                 | 22.63                    | 22.64                  | 24                  | 1        |
| 15                  | 16QAM      | 1       | 0         | 22.69                 | 22.82                    | 22.75                  |                     |          |
| 15                  | 16QAM      | 1       | 37        | 22.85                 | 22.86                    | 22.79                  |                     |          |





|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 15              | 16QAM  | 1  | 74 | 22.68 | 22.83 | 22.76 |                     |          |
| 15              | 16QAM  | 36 | 0  | 21.60 | 21.72 | 21.58 | 23                  | 2        |
| 15              | 16QAM  | 36 | 20 | 21.51 | 21.67 | 21.53 |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.51 | 21.68 | 21.53 |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.54 | 21.58 | 21.47 | 23                  | 2        |
| 15              | 64QAM  | 1  | 0  | 21.63 | 21.81 | 21.68 |                     |          |
| 15              | 64QAM  | 1  | 37 | 21.56 | 21.72 | 21.67 |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.63 | 21.72 | 21.62 | 22                  | 3        |
| 15              | 64QAM  | 36 | 0  | 20.61 | 20.83 | 20.69 |                     |          |
| 15              | 64QAM  | 36 | 20 | 20.42 | 20.67 | 20.59 |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.60 | 20.79 | 20.64 | 20                  | 5        |
| 15              | 64QAM  | 75 | 0  | 20.71 | 20.66 | 20.58 |                     |          |
| 15              | 256QAM | 1  | 0  | 18.51 | 18.72 | 18.67 |                     |          |
| 15              | 256QAM | 1  | 37 | 18.57 | 18.67 | 18.60 | 20                  | 5        |
| 15              | 256QAM | 1  | 74 | 18.65 | 18.60 | 18.52 |                     |          |
| 15              | 256QAM | 36 | 0  | 18.74 | 18.74 | 18.61 |                     |          |
| 15              | 256QAM | 36 | 20 | 18.69 | 18.65 | 18.63 | 20                  | 5        |
| 15              | 256QAM | 36 | 39 | 18.66 | 18.77 | 18.65 |                     |          |
| 15              | 256QAM | 75 | 0  | 18.63 | 18.79 | 18.70 |                     |          |
| Channel         |        |    |    | 20800 | 21100 | 21400 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 2505  | 2535  | 2565  |                     |          |
| 10              | QPSK   | 1  | 0  | 23.55 | 23.65 | 23.46 | 25                  | 0        |
| 10              | QPSK   | 1  | 25 | 23.35 | 23.50 | 23.38 |                     |          |
| 10              | QPSK   | 1  | 49 | 23.34 | 23.47 | 23.39 |                     |          |
| 10              | QPSK   | 25 | 0  | 22.62 | 22.80 | 22.64 | 24                  | 1        |
| 10              | QPSK   | 25 | 12 | 22.53 | 22.61 | 22.60 |                     |          |
| 10              | QPSK   | 25 | 25 | 22.46 | 22.60 | 22.53 |                     |          |
| 10              | QPSK   | 50 | 0  | 22.64 | 22.64 | 22.64 | 24                  | 1        |
| 10              | 16QAM  | 1  | 0  | 22.79 | 22.90 | 22.67 |                     |          |
| 10              | 16QAM  | 1  | 25 | 22.73 | 22.78 | 22.86 |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.70 | 22.80 | 22.75 | 23                  | 2        |
| 10              | 16QAM  | 25 | 0  | 21.73 | 21.72 | 21.68 |                     |          |
| 10              | 16QAM  | 25 | 12 | 21.61 | 21.70 | 21.60 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.49 | 21.60 | 21.52 | 23                  | 2        |
| 10              | 16QAM  | 50 | 0  | 21.51 | 21.59 | 21.55 |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.75 | 21.85 | 21.62 |                     |          |
| 10              | 64QAM  | 1  | 25 | 21.62 | 21.78 | 21.60 | 23                  | 2        |
| 10              | 64QAM  | 1  | 49 | 21.71 | 21.68 | 21.62 |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.62 | 20.78 | 20.67 |                     |          |
| 10              | 64QAM  | 25 | 12 | 20.57 | 20.68 | 20.53 | 22                  | 3        |
| 10              | 64QAM  | 25 | 25 | 20.63 | 20.76 | 20.69 |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.59 | 20.72 | 20.64 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.57 | 18.65 | 18.65 | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.50 | 18.61 | 18.62 |                     |          |
| 10              | 256QAM | 1  | 49 | 18.57 | 18.71 | 18.42 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.62 | 18.73 | 18.70 | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.70 | 18.72 | 18.72 |                     |          |



|                 |        |    |    |        |       |        |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 10              | 256QAM | 25 | 25 | 18.64  | 18.75 | 18.51  |                     |          |
| 10              | 256QAM | 50 | 0  | 18.64  | 18.65 | 18.71  |                     |          |
| Channel         |        |    |    | 20775  | 21100 | 21425  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 2502.5 | 2535  | 2567.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 23.56  | 23.63 | 23.42  | 25                  | 0        |
| 5               | QPSK   | 1  | 12 | 23.38  | 23.47 | 23.40  |                     |          |
| 5               | QPSK   | 1  | 24 | 23.43  | 23.58 | 23.37  |                     |          |
| 5               | QPSK   | 12 | 0  | 22.74  | 22.77 | 22.63  | 24                  | 1        |
| 5               | QPSK   | 12 | 7  | 22.54  | 22.63 | 22.64  |                     |          |
| 5               | QPSK   | 12 | 13 | 22.52  | 22.67 | 22.43  |                     |          |
| 5               | QPSK   | 25 | 0  | 22.50  | 22.69 | 22.56  | 24                  | 1        |
| 5               | 16QAM  | 1  | 0  | 22.72  | 22.81 | 22.78  |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.83  | 22.83 | 22.83  |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.70  | 22.84 | 22.69  | 23                  | 2        |
| 5               | 16QAM  | 12 | 0  | 21.62  | 21.86 | 21.61  |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.57  | 21.78 | 21.62  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.60  | 21.72 | 21.47  | 23                  | 2        |
| 5               | 16QAM  | 25 | 0  | 21.59  | 21.64 | 21.45  |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.61  | 21.80 | 21.68  |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.55  | 21.76 | 21.64  | 22                  | 3        |
| 5               | 64QAM  | 1  | 24 | 21.59  | 21.76 | 21.71  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.68  | 20.78 | 20.68  |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.50  | 20.62 | 20.55  | 20                  | 5        |
| 5               | 64QAM  | 12 | 13 | 20.66  | 20.79 | 20.67  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.67  | 20.66 | 20.62  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.60  | 18.70 | 18.57  | 20                  | 5        |
| 5               | 256QAM | 1  | 12 | 18.57  | 18.64 | 18.54  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.66  | 18.68 | 18.46  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.64  | 18.83 | 18.70  | 20                  | 5        |
| 5               | 256QAM | 12 | 7  | 18.61  | 18.66 | 18.71  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.71  | 18.73 | 18.66  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.64  | 18.69 | 18.69  |                     |          |



| Band 25 Ant2 Default |            |         |           |                       |                          |                        |                     |          |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel              |            |         |           | 26140                 | 26340                    | 26590                  |                     |          |
| Frequency (MHz)      |            |         |           | 1860                  | 1880                     | 1905                   |                     |          |
| 20                   | QPSK       | 1       | 0         | 23.39                 | 23.50                    | 23.41                  | 25                  | 0        |
| 20                   | QPSK       | 1       | 49        | 23.37                 | 23.40                    | 23.36                  |                     |          |
| 20                   | QPSK       | 1       | 99        | 23.22                 | 23.36                    | 23.20                  |                     |          |
| 20                   | QPSK       | 50      | 0         | 22.43                 | 22.57                    | 22.44                  | 24                  | 1        |
| 20                   | QPSK       | 50      | 24        | 22.43                 | 22.50                    | 22.37                  |                     |          |
| 20                   | QPSK       | 50      | 50        | 22.38                 | 22.52                    | 22.42                  |                     |          |
| 20                   | QPSK       | 100     | 0         | 22.54                 | 22.58                    | 22.51                  | 24                  | 1        |
| 20                   | 16QAM      | 1       | 0         | 22.54                 | 22.66                    | 22.58                  |                     |          |
| 20                   | 16QAM      | 1       | 49        | 22.51                 | 22.62                    | 22.55                  |                     |          |
| 20                   | 16QAM      | 1       | 99        | 22.44                 | 22.53                    | 22.39                  | 23                  | 2        |
| 20                   | 16QAM      | 50      | 0         | 21.37                 | 21.43                    | 21.40                  |                     |          |
| 20                   | 16QAM      | 50      | 24        | 21.21                 | 21.36                    | 21.23                  |                     |          |
| 20                   | 16QAM      | 50      | 50        | 21.28                 | 21.38                    | 21.31                  | 23                  | 2        |
| 20                   | 16QAM      | 100     | 0         | 21.48                 | 21.63                    | 21.59                  |                     |          |
| 20                   | 64QAM      | 1       | 0         | 21.36                 | 21.49                    | 21.38                  |                     |          |
| 20                   | 64QAM      | 1       | 49        | 21.36                 | 21.43                    | 21.40                  | 22                  | 3        |
| 20                   | 64QAM      | 1       | 99        | 21.20                 | 21.36                    | 21.27                  |                     |          |
| 20                   | 64QAM      | 50      | 0         | 20.33                 | 20.46                    | 20.30                  |                     |          |
| 20                   | 64QAM      | 50      | 24        | 20.32                 | 20.36                    | 20.23                  | 20                  | 5        |
| 20                   | 64QAM      | 50      | 50        | 20.30                 | 20.43                    | 20.27                  |                     |          |
| 20                   | 64QAM      | 100     | 0         | 20.45                 | 20.55                    | 20.48                  |                     |          |
| 20                   | 256QAM     | 1       | 0         | 18.42                 | 18.57                    | 18.38                  | 20                  | 5        |
| 20                   | 256QAM     | 1       | 49        | 18.42                 | 18.46                    | 18.37                  |                     |          |
| 20                   | 256QAM     | 1       | 99        | 18.49                 | 18.45                    | 18.30                  |                     |          |
| 20                   | 256QAM     | 50      | 0         | 18.48                 | 18.69                    | 18.43                  | 20                  | 5        |
| 20                   | 256QAM     | 50      | 24        | 18.54                 | 18.55                    | 18.41                  |                     |          |
| 20                   | 256QAM     | 50      | 50        | 18.56                 | 18.53                    | 18.38                  |                     |          |
| 20                   | 256QAM     | 100     | 0         | 18.45                 | 18.58                    | 18.43                  | 24                  | 1        |
| Channel              |            |         |           | 26115                 | 26340                    | 26615                  |                     |          |
| Frequency (MHz)      |            |         |           | 1857.5                | 1880                     | 1907.5                 |                     |          |
| 15                   | QPSK       | 1       | 0         | 23.23                 | 23.34                    | 23.37                  | 25                  | 0        |
| 15                   | QPSK       | 1       | 37        | 23.23                 | 23.24                    | 23.20                  |                     |          |
| 15                   | QPSK       | 1       | 74        | 23.14                 | 23.27                    | 23.08                  |                     |          |
| 15                   | QPSK       | 36      | 0         | 22.28                 | 22.53                    | 22.30                  | 24                  | 1        |
| 15                   | QPSK       | 36      | 20        | 22.40                 | 22.46                    | 22.33                  |                     |          |
| 15                   | QPSK       | 36      | 39        | 22.32                 | 22.39                    | 22.37                  |                     |          |
| 15                   | QPSK       | 75      | 0         | 22.47                 | 22.41                    | 22.48                  | 24                  | 1        |
| 15                   | 16QAM      | 1       | 0         | 22.41                 | 22.54                    | 22.42                  |                     |          |
| 15                   | 16QAM      | 1       | 37        | 22.35                 | 22.49                    | 22.44                  |                     |          |



|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 15              | 16QAM  | 1  | 74 | 22.32 | 22.44 | 22.27 |                     |          |
| 15              | 16QAM  | 36 | 0  | 21.33 | 21.38 | 21.30 | 23                  | 2        |
| 15              | 16QAM  | 36 | 20 | 21.05 | 21.25 | 21.20 |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.12 | 21.30 | 21.21 |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.39 | 21.54 | 21.42 |                     |          |
| 15              | 64QAM  | 1  | 0  | 21.28 | 21.33 | 21.23 | 23                  | 2        |
| 15              | 64QAM  | 1  | 37 | 21.21 | 21.37 | 21.36 |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.08 | 21.25 | 21.11 |                     |          |
| 15              | 64QAM  | 36 | 0  | 20.25 | 20.44 | 20.17 | 22                  | 3        |
| 15              | 64QAM  | 36 | 20 | 20.22 | 20.29 | 20.20 |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.18 | 20.28 | 20.19 |                     |          |
| 15              | 64QAM  | 75 | 0  | 20.31 | 20.45 | 20.43 |                     |          |
| 15              | 256QAM | 1  | 0  | 18.32 | 18.48 | 18.47 | 20                  | 5        |
| 15              | 256QAM | 1  | 37 | 18.39 | 18.45 | 18.36 |                     |          |
| 15              | 256QAM | 1  | 74 | 18.38 | 18.39 | 18.27 |                     |          |
| 15              | 256QAM | 36 | 0  | 18.48 | 18.63 | 18.44 | 20                  | 5        |
| 15              | 256QAM | 36 | 20 | 18.50 | 18.46 | 18.45 |                     |          |
| 15              | 256QAM | 36 | 39 | 18.54 | 18.51 | 18.43 |                     |          |
| 15              | 256QAM | 75 | 0  | 18.53 | 18.53 | 18.49 |                     |          |
| Channel         |        |    |    | 26090 | 26340 | 26640 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1855  | 1880  | 1910  |                     |          |
| 10              | QPSK   | 1  | 0  | 23.25 | 23.48 | 23.31 | 25                  | 0        |
| 10              | QPSK   | 1  | 25 | 23.29 | 23.32 | 23.24 |                     |          |
| 10              | QPSK   | 1  | 49 | 23.11 | 23.28 | 23.16 |                     |          |
| 10              | QPSK   | 25 | 0  | 22.28 | 22.52 | 22.30 | 24                  | 1        |
| 10              | QPSK   | 25 | 12 | 22.28 | 22.48 | 22.23 |                     |          |
| 10              | QPSK   | 25 | 25 | 22.28 | 22.42 | 22.25 |                     |          |
| 10              | QPSK   | 50 | 0  | 22.51 | 22.44 | 22.35 |                     |          |
| 10              | 16QAM  | 1  | 0  | 22.44 | 22.53 | 22.49 | 24                  | 1        |
| 10              | 16QAM  | 1  | 25 | 22.35 | 22.56 | 22.44 |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.41 | 22.51 | 22.24 |                     |          |
| 10              | 16QAM  | 25 | 0  | 21.26 | 21.36 | 21.38 | 23                  | 2        |
| 10              | 16QAM  | 25 | 12 | 21.04 | 21.33 | 21.13 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.11 | 21.33 | 21.20 |                     |          |
| 10              | 16QAM  | 50 | 0  | 21.31 | 21.47 | 21.50 |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.20 | 21.37 | 21.34 | 23                  | 2        |
| 10              | 64QAM  | 1  | 25 | 21.32 | 21.39 | 21.31 |                     |          |
| 10              | 64QAM  | 1  | 49 | 21.09 | 21.28 | 21.21 |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.21 | 20.39 | 20.27 | 22                  | 3        |
| 10              | 64QAM  | 25 | 12 | 20.26 | 20.31 | 20.09 |                     |          |
| 10              | 64QAM  | 25 | 25 | 20.26 | 20.36 | 20.23 |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.42 | 20.41 | 20.43 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.42 | 18.46 | 18.46 | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.33 | 18.45 | 18.46 |                     |          |
| 10              | 256QAM | 1  | 49 | 18.39 | 18.53 | 18.34 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.49 | 18.54 | 18.52 | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.51 | 18.53 | 18.49 |                     |          |



|                 |        |    |    |        |       |        |                     |          |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|---------------------|----------|
| 10              | 256QAM | 25 | 25 | 18.53  | 18.52 | 18.43  |                     |          |                     |          |
| 10              | 256QAM | 50 | 0  | 18.50  | 18.58 | 18.44  |                     |          |                     |          |
| Channel         |        |    |    | 26065  | 26340 | 26665  | Tune-up limit (dBm) | MPR (dB) |                     |          |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1912.5 |                     |          |                     |          |
| 5               | QPSK   | 1  | 0  | 23.37  | 23.41 | 23.36  | 25                  | 0        |                     |          |
| 5               | QPSK   | 1  | 12 | 23.25  | 23.37 | 23.27  |                     |          |                     |          |
| 5               | QPSK   | 1  | 24 | 23.11  | 23.19 | 23.07  |                     |          |                     |          |
| 5               | QPSK   | 12 | 0  | 22.40  | 22.41 | 22.34  | 24                  | 1        |                     |          |
| 5               | QPSK   | 12 | 7  | 22.35  | 22.46 | 22.25  |                     |          |                     |          |
| 5               | QPSK   | 12 | 13 | 22.29  | 22.42 | 22.31  |                     |          |                     |          |
| 5               | QPSK   | 25 | 0  | 22.47  | 22.51 | 22.46  | 24                  | 1        |                     |          |
| 5               | 16QAM  | 1  | 0  | 22.45  | 22.61 | 22.53  |                     |          |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.40  | 22.58 | 22.38  |                     |          |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.30  | 22.36 | 22.35  | 23                  | 2        |                     |          |
| 5               | 16QAM  | 12 | 0  | 21.26  | 21.31 | 21.24  |                     |          |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.08  | 21.22 | 21.12  |                     |          |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.20  | 21.31 | 21.17  | 23                  | 2        |                     |          |
| 5               | 16QAM  | 25 | 0  | 21.41  | 21.53 | 21.48  |                     |          |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.26  | 21.38 | 21.21  |                     |          |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.25  | 21.33 | 21.35  | 23                  | 2        |                     |          |
| 5               | 64QAM  | 1  | 24 | 21.13  | 21.28 | 21.24  |                     |          |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.19  | 20.36 | 20.19  |                     |          |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.20  | 20.33 | 20.11  | 22                  | 3        |                     |          |
| 5               | 64QAM  | 12 | 13 | 20.19  | 20.36 | 20.11  |                     |          |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.31  | 20.52 | 20.34  |                     |          |                     |          |
| 5               | 256QAM | 1  | 0  | 18.37  | 18.46 | 18.47  | 20                  | 5        |                     |          |
| 5               | 256QAM | 1  | 12 | 18.43  | 18.44 | 18.37  |                     |          |                     |          |
| 5               | 256QAM | 1  | 24 | 18.35  | 18.53 | 18.31  |                     |          |                     |          |
| 5               | 256QAM | 12 | 0  | 18.53  | 18.65 | 18.48  | 20                  | 5        |                     |          |
| 5               | 256QAM | 12 | 7  | 18.45  | 18.46 | 18.45  |                     |          |                     |          |
| 5               | 256QAM | 12 | 13 | 18.45  | 18.61 | 18.45  |                     |          |                     |          |
| 5               | 256QAM | 25 | 0  | 18.49  | 18.48 | 18.42  | 20                  | 5        |                     |          |
| Channel         |        |    |    | 26055  | 26340 | 26675  |                     |          | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1913.5 |                     |          |                     |          |
| 3               | QPSK   | 1  | 0  | 23.25  | 23.41 | 23.28  | 25                  | 0        |                     |          |
| 3               | QPSK   | 1  | 8  | 23.22  | 23.32 | 23.29  |                     |          |                     |          |
| 3               | QPSK   | 1  | 14 | 23.12  | 23.28 | 23.13  |                     |          |                     |          |
| 3               | QPSK   | 8  | 0  | 22.36  | 22.53 | 22.32  | 24                  | 1        |                     |          |
| 3               | QPSK   | 8  | 4  | 22.37  | 22.48 | 22.31  |                     |          |                     |          |
| 3               | QPSK   | 8  | 7  | 22.35  | 22.49 | 22.25  |                     |          |                     |          |
| 3               | QPSK   | 15 | 0  | 22.48  | 22.42 | 22.42  | 24                  | 1        |                     |          |
| 3               | 16QAM  | 1  | 0  | 22.49  | 22.57 | 22.46  |                     |          |                     |          |
| 3               | 16QAM  | 1  | 8  | 22.45  | 22.59 | 22.53  |                     |          |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.29  | 22.49 | 22.34  | 23                  | 2        |                     |          |
| 3               | 16QAM  | 8  | 0  | 21.22  | 21.30 | 21.35  |                     |          |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.07  | 21.31 | 21.13  |                     |          |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.15  | 21.36 | 21.29  | 23                  | 2        |                     |          |



|                 |        |    |    |        |       |        |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 3               | 16QAM  | 15 | 0  | 21.32  | 21.47 | 21.47  |                     |          |
| 3               | 64QAM  | 1  | 0  | 21.29  | 21.41 | 21.33  | 23                  | 2        |
| 3               | 64QAM  | 1  | 8  | 21.21  | 21.41 | 21.32  |                     |          |
| 3               | 64QAM  | 1  | 14 | 21.09  | 21.21 | 21.24  |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.18  | 20.32 | 20.26  | 22                  | 3        |
| 3               | 64QAM  | 8  | 4  | 20.26  | 20.26 | 20.11  |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.20  | 20.37 | 20.20  |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.36  | 20.39 | 20.45  |                     |          |
| 3               | 256QAM | 1  | 0  | 18.31  | 18.52 | 18.46  | 20                  | 5        |
| 3               | 256QAM | 1  | 8  | 18.31  | 18.46 | 18.44  |                     |          |
| 3               | 256QAM | 1  | 14 | 18.49  | 18.39 | 18.34  |                     |          |
| 3               | 256QAM | 8  | 0  | 18.57  | 18.64 | 18.57  | 20                  | 5        |
| 3               | 256QAM | 8  | 4  | 18.45  | 18.54 | 18.49  |                     |          |
| 3               | 256QAM | 8  | 7  | 18.54  | 18.55 | 18.46  |                     |          |
| 3               | 256QAM | 15 | 0  | 18.52  | 18.48 | 18.43  |                     |          |
| Channel         |        |    |    | 26047  | 26340 | 26683  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1914.3 |                     |          |
| 1.4             | QPSK   | 1  | 0  | 23.30  | 23.46 | 23.38  | 25                  | 0        |
| 1.4             | QPSK   | 1  | 3  | 23.21  | 23.36 | 23.31  |                     |          |
| 1.4             | QPSK   | 1  | 5  | 23.11  | 23.23 | 23.05  |                     |          |
| 1.4             | QPSK   | 3  | 0  | 23.29  | 23.47 | 23.41  |                     |          |
| 1.4             | QPSK   | 3  | 1  | 23.38  | 23.35 | 23.26  |                     |          |
| 1.4             | QPSK   | 3  | 3  | 23.28  | 23.35 | 23.31  |                     |          |
| 1.4             | QPSK   | 6  | 0  | 22.48  | 22.53 | 22.47  | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 0  | 22.41  | 22.61 | 22.42  | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 3  | 22.47  | 22.54 | 22.49  |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 22.31  | 22.46 | 22.37  |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 22.23  | 22.28 | 22.34  |                     |          |
| 1.4             | 16QAM  | 3  | 1  | 22.11  | 22.31 | 22.13  |                     |          |
| 1.4             | 16QAM  | 3  | 3  | 22.12  | 22.34 | 22.26  |                     |          |
| 1.4             | 16QAM  | 6  | 0  | 21.37  | 21.53 | 21.46  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 0  | 21.32  | 21.32 | 21.34  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 3  | 21.32  | 21.32 | 21.35  |                     |          |
| 1.4             | 64QAM  | 1  | 5  | 21.03  | 21.28 | 21.11  |                     |          |
| 1.4             | 64QAM  | 3  | 0  | 21.24  | 21.39 | 21.22  |                     |          |
| 1.4             | 64QAM  | 3  | 1  | 21.18  | 21.23 | 21.17  |                     |          |
| 1.4             | 64QAM  | 3  | 3  | 21.23  | 21.32 | 21.18  |                     |          |
| 1.4             | 64QAM  | 6  | 0  | 20.37  | 20.46 | 20.35  | 22                  | 3        |
| 1.4             | 256QAM | 1  | 0  | 18.31  | 18.48 | 18.37  | 20                  | 5        |
| 1.4             | 256QAM | 1  | 3  | 18.43  | 18.41 | 18.39  |                     |          |
| 1.4             | 256QAM | 1  | 5  | 18.45  | 18.51 | 18.37  |                     |          |
| 1.4             | 256QAM | 3  | 0  | 18.57  | 18.59 | 18.57  |                     |          |
| 1.4             | 256QAM | 3  | 1  | 18.51  | 18.53 | 18.49  |                     |          |
| 1.4             | 256QAM | 3  | 3  | 18.52  | 18.64 | 18.45  |                     |          |
| 1.4             | 256QAM | 6  | 0  | 18.53  | 18.55 | 18.46  | 20                  | 5        |



| Band 66 Ant2 Default |            |         |           |                       |                          |                        |                     |          |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel              |            |         |           | 132072                | 132322                   | 132572                 |                     |          |
| Frequency (MHz)      |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |
| 20                   | QPSK       | 1       | 0         | 23.42                 | 23.60                    | 23.47                  | 25                  | 0        |
| 20                   | QPSK       | 1       | 49        | 23.39                 | 23.50                    | 23.44                  |                     |          |
| 20                   | QPSK       | 1       | 99        | 23.37                 | 23.49                    | 23.41                  |                     |          |
| 20                   | QPSK       | 50      | 0         | 22.60                 | 22.64                    | 22.48                  | 24                  | 1        |
| 20                   | QPSK       | 50      | 24        | 22.44                 | 22.55                    | 22.39                  |                     |          |
| 20                   | QPSK       | 50      | 50        | 22.40                 | 22.47                    | 22.41                  |                     |          |
| 20                   | 16QAM      | 1       | 0         | 22.69                 | 22.71                    | 22.59                  | 24                  | 1        |
| 20                   | 16QAM      | 1       | 49        | 22.49                 | 22.57                    | 22.48                  |                     |          |
| 20                   | 16QAM      | 1       | 99        | 22.52                 | 22.63                    | 22.60                  |                     |          |
| 20                   | 16QAM      | 50      | 0         | 21.47                 | 21.56                    | 21.46                  | 23                  | 2        |
| 20                   | 16QAM      | 50      | 24        | 21.41                 | 21.43                    | 21.39                  |                     |          |
| 20                   | 16QAM      | 50      | 50        | 21.27                 | 21.41                    | 21.35                  |                     |          |
| 20                   | 16QAM      | 100     | 0         | 21.45                 | 21.58                    | 21.47                  | 23                  | 2        |
| 20                   | 64QAM      | 1       | 0         | 21.46                 | 21.60                    | 21.56                  |                     |          |
| 20                   | 64QAM      | 1       | 49        | 21.30                 | 21.45                    | 21.43                  |                     |          |
| 20                   | 64QAM      | 1       | 99        | 21.45                 | 21.57                    | 21.49                  | 22                  | 3        |
| 20                   | 64QAM      | 50      | 0         | 20.44                 | 20.56                    | 20.41                  |                     |          |
| 20                   | 64QAM      | 50      | 24        | 20.39                 | 20.45                    | 20.33                  |                     |          |
| 20                   | 64QAM      | 50      | 50        | 20.34                 | 20.45                    | 20.39                  | 20                  | 5        |
| 20                   | 64QAM      | 100     | 0         | 20.44                 | 20.52                    | 20.46                  |                     |          |
| 20                   | 256QAM     | 1       | 0         | 18.37                 | 18.54                    | 18.47                  |                     |          |
| 20                   | 256QAM     | 1       | 49        | 18.31                 | 18.45                    | 18.37                  | 20                  | 5        |
| 20                   | 256QAM     | 1       | 99        | 18.36                 | 18.48                    | 18.38                  |                     |          |
| 20                   | 256QAM     | 50      | 0         | 18.56                 | 18.56                    | 18.43                  |                     |          |
| 20                   | 256QAM     | 50      | 24        | 18.48                 | 18.52                    | 18.46                  | 20                  | 5        |
| 20                   | 256QAM     | 50      | 50        | 18.55                 | 18.62                    | 18.41                  |                     |          |
| 20                   | 256QAM     | 100     | 0         | 18.45                 | 18.56                    | 18.51                  |                     |          |
| Channel              |            |         |           | 132047                | 132322                   | 132597                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)      |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |
| 15                   | QPSK       | 1       | 0         | 23.27                 | 23.46                    | 23.31                  | 25                  | 0        |
| 15                   | QPSK       | 1       | 37        | 23.36                 | 23.44                    | 23.35                  |                     |          |
| 15                   | QPSK       | 1       | 74        | 23.31                 | 23.43                    | 23.37                  |                     |          |
| 15                   | QPSK       | 36      | 0         | 22.52                 | 22.49                    | 22.41                  | 24                  | 1        |
| 15                   | QPSK       | 36      | 20        | 22.40                 | 22.47                    | 22.31                  |                     |          |
| 15                   | QPSK       | 36      | 39        | 22.24                 | 22.37                    | 22.26                  |                     |          |
| 15                   | QPSK       | 75      | 0         | 22.43                 | 22.36                    | 22.17                  | 24                  | 1        |
| 15                   | 16QAM      | 1       | 0         | 22.67                 | 22.55                    | 22.50                  |                     |          |
| 15                   | 16QAM      | 1       | 37        | 22.43                 | 22.53                    | 22.33                  |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15              | 16QAM  | 1  | 74 | 22.39  | 22.56  | 22.48  |                     |          |
| 15              | 16QAM  | 36 | 0  | 21.38  | 21.41  | 21.33  | 23                  | 2        |
| 15              | 16QAM  | 36 | 20 | 21.36  | 21.39  | 21.33  |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.16  | 21.31  | 21.21  |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.29  | 21.49  | 21.31  |                     |          |
| 15              | 64QAM  | 1  | 0  | 21.36  | 21.47  | 21.40  | 23                  | 2        |
| 15              | 64QAM  | 1  | 37 | 21.24  | 21.34  | 21.37  |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.34  | 21.40  | 21.36  |                     |          |
| 15              | 64QAM  | 36 | 0  | 20.38  | 20.48  | 20.38  | 22                  | 3        |
| 15              | 64QAM  | 36 | 20 | 20.33  | 20.32  | 20.30  |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.22  | 20.40  | 20.36  |                     |          |
| 15              | 64QAM  | 75 | 0  | 20.30  | 20.37  | 20.34  |                     |          |
| 15              | 256QAM | 1  | 0  | 18.37  | 18.46  | 18.45  | 20                  | 5        |
| 15              | 256QAM | 1  | 37 | 18.33  | 18.42  | 18.43  |                     |          |
| 15              | 256QAM | 1  | 74 | 18.42  | 18.50  | 18.30  |                     |          |
| 15              | 256QAM | 36 | 0  | 18.55  | 18.55  | 18.57  | 20                  | 5        |
| 15              | 256QAM | 36 | 20 | 18.50  | 18.45  | 18.46  |                     |          |
| 15              | 256QAM | 36 | 39 | 18.52  | 18.55  | 18.35  |                     |          |
| 15              | 256QAM | 75 | 0  | 18.42  | 18.56  | 18.53  |                     |          |
| Channel         |        |    |    | 132022 | 132322 | 132622 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1715   | 1745   | 1775   |                     |          |
| 10              | QPSK   | 1  | 0  | 23.29  | 23.57  | 23.35  | 25                  | 0        |
| 10              | QPSK   | 1  | 25 | 23.28  | 23.39  | 23.39  |                     |          |
| 10              | QPSK   | 1  | 49 | 23.31  | 23.38  | 23.36  |                     |          |
| 10              | QPSK   | 25 | 0  | 22.43  | 22.53  | 22.31  | 24                  | 1        |
| 10              | QPSK   | 25 | 12 | 22.33  | 22.52  | 22.23  |                     |          |
| 10              | QPSK   | 25 | 25 | 22.33  | 22.38  | 22.35  |                     |          |
| 10              | QPSK   | 50 | 0  | 22.40  | 22.35  | 22.21  |                     |          |
| 10              | 16QAM  | 1  | 0  | 22.60  | 22.66  | 22.56  | 24                  | 1        |
| 10              | 16QAM  | 1  | 25 | 22.41  | 22.55  | 22.40  |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.36  | 22.58  | 22.56  |                     |          |
| 10              | 16QAM  | 25 | 0  | 21.39  | 21.39  | 21.36  | 23                  | 2        |
| 10              | 16QAM  | 25 | 12 | 21.25  | 21.35  | 21.32  |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.22  | 21.30  | 21.31  |                     |          |
| 10              | 16QAM  | 50 | 0  | 21.41  | 21.45  | 21.44  |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.35  | 21.52  | 21.41  | 23                  | 2        |
| 10              | 64QAM  | 1  | 25 | 21.18  | 21.29  | 21.26  |                     |          |
| 10              | 64QAM  | 1  | 49 | 21.41  | 21.51  | 21.42  |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.37  | 20.39  | 20.34  | 22                  | 3        |
| 10              | 64QAM  | 25 | 12 | 20.33  | 20.30  | 20.20  |                     |          |
| 10              | 64QAM  | 25 | 25 | 20.25  | 20.34  | 20.36  |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.39  | 20.47  | 20.38  |                     |          |
| 10              | 256QAM | 1  | 0  | 18.33  | 18.56  | 18.49  | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.43  | 18.38  | 18.42  |                     |          |
| 10              | 256QAM | 1  | 49 | 18.40  | 18.45  | 18.32  |                     |          |
| 10              | 256QAM | 25 | 0  | 18.58  | 18.59  | 18.56  | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.49  | 18.43  | 18.41  |                     |          |





|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 10              | 256QAM | 25 | 25 | 18.53  | 18.57  | 18.48  |                     |          |
| 10              | 256QAM | 50 | 0  | 18.43  | 18.50  | 18.51  |                     |          |
| Channel         |        |    |    | 131997 | 132322 | 132647 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1712.5 | 1745   | 1777.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 23.27  | 23.53  | 23.34  | 25                  | 0        |
| 5               | QPSK   | 1  | 12 | 23.30  | 23.42  | 23.33  |                     |          |
| 5               | QPSK   | 1  | 24 | 23.25  | 23.44  | 23.32  |                     |          |
| 5               | QPSK   | 12 | 0  | 22.52  | 22.62  | 22.37  | 24                  | 1        |
| 5               | QPSK   | 12 | 7  | 22.41  | 22.41  | 22.34  |                     |          |
| 5               | QPSK   | 12 | 13 | 22.26  | 22.31  | 22.29  |                     |          |
| 5               | QPSK   | 25 | 0  | 22.34  | 22.46  | 22.19  |                     |          |
| 5               | 16QAM  | 1  | 0  | 22.64  | 22.59  | 22.54  | 24                  | 1        |
| 5               | 16QAM  | 1  | 12 | 22.42  | 22.47  | 22.36  |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.44  | 22.49  | 22.51  |                     |          |
| 5               | 16QAM  | 12 | 0  | 21.39  | 21.52  | 21.36  | 23                  | 2        |
| 5               | 16QAM  | 12 | 7  | 21.32  | 21.30  | 21.29  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.14  | 21.30  | 21.30  |                     |          |
| 5               | 16QAM  | 25 | 0  | 21.29  | 21.51  | 21.41  |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.30  | 21.50  | 21.44  | 23                  | 2        |
| 5               | 64QAM  | 1  | 12 | 21.25  | 21.43  | 21.29  |                     |          |
| 5               | 64QAM  | 1  | 24 | 21.39  | 21.47  | 21.33  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.34  | 20.54  | 20.35  | 22                  | 3        |
| 5               | 64QAM  | 12 | 7  | 20.24  | 20.33  | 20.24  |                     |          |
| 5               | 64QAM  | 12 | 13 | 20.20  | 20.29  | 20.35  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.28  | 20.38  | 20.30  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.40  | 18.57  | 18.48  | 20                  | 5        |
| 5               | 256QAM | 1  | 12 | 18.38  | 18.37  | 18.38  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.47  | 18.51  | 18.30  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.44  | 18.65  | 18.55  | 20                  | 5        |
| 5               | 256QAM | 12 | 7  | 18.52  | 18.55  | 18.53  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.53  | 18.53  | 18.37  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.41  | 18.55  | 18.49  |                     |          |
| Channel         |        |    |    | 131987 | 132322 | 132657 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1711.5 | 1745   | 1778.5 |                     |          |
| 3               | QPSK   | 1  | 0  | 23.25  | 23.50  | 23.39  | 25                  | 0        |
| 3               | QPSK   | 1  | 8  | 23.25  | 23.38  | 23.32  |                     |          |
| 3               | QPSK   | 1  | 14 | 23.27  | 23.35  | 23.34  |                     |          |
| 3               | QPSK   | 8  | 0  | 22.48  | 22.58  | 22.44  | 24                  | 1        |
| 3               | QPSK   | 8  | 4  | 22.33  | 22.42  | 22.33  |                     |          |
| 3               | QPSK   | 8  | 7  | 22.26  | 22.37  | 22.26  |                     |          |
| 3               | QPSK   | 15 | 0  | 22.34  | 22.36  | 22.27  |                     |          |
| 3               | 16QAM  | 1  | 0  | 22.60  | 22.59  | 22.54  | 24                  | 1        |
| 3               | 16QAM  | 1  | 8  | 22.32  | 22.51  | 22.42  |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.49  | 22.48  | 22.46  |                     |          |
| 3               | 16QAM  | 8  | 0  | 21.38  | 21.39  | 21.41  | 23                  | 2        |
| 3               | 16QAM  | 8  | 4  | 21.36  | 21.27  | 21.31  |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.23  | 21.25  | 21.31  |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 3               | 16QAM  | 15 | 0  | 21.39  | 21.42  | 21.31  |                     |          |
| 3               | 64QAM  | 1  | 0  | 21.36  | 21.47  | 21.51  | 23                  | 2        |
| 3               | 64QAM  | 1  | 8  | 21.15  | 21.43  | 21.31  |                     |          |
| 3               | 64QAM  | 1  | 14 | 21.35  | 21.51  | 21.34  |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.28  | 20.49  | 20.28  | 22                  | 3        |
| 3               | 64QAM  | 8  | 4  | 20.31  | 20.31  | 20.25  |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.18  | 20.39  | 20.25  |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.42  | 20.42  | 20.39  |                     |          |
| 3               | 256QAM | 1  | 0  | 18.31  | 18.55  | 18.45  | 20                  | 5        |
| 3               | 256QAM | 1  | 8  | 18.41  | 18.38  | 18.39  |                     |          |
| 3               | 256QAM | 1  | 14 | 18.39  | 18.48  | 18.38  |                     |          |
| 3               | 256QAM | 8  | 0  | 18.47  | 18.56  | 18.46  | 20                  | 5        |
| 3               | 256QAM | 8  | 4  | 18.48  | 18.57  | 18.53  |                     |          |
| 3               | 256QAM | 8  | 7  | 18.52  | 18.58  | 18.34  |                     |          |
| 3               | 256QAM | 15 | 0  | 18.43  | 18.53  | 18.50  |                     |          |
| Channel         |        |    |    | 131979 | 132322 | 132665 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1710.7 | 1745   | 1779.3 |                     |          |
| 1.4             | QPSK   | 1  | 0  | 23.39  | 23.45  | 23.40  | 25                  | 0        |
| 1.4             | QPSK   | 1  | 3  | 23.26  | 23.35  | 23.37  |                     |          |
| 1.4             | QPSK   | 1  | 5  | 23.21  | 23.46  | 23.38  |                     |          |
| 1.4             | QPSK   | 3  | 0  | 23.55  | 23.49  | 23.42  |                     |          |
| 1.4             | QPSK   | 3  | 1  | 23.39  | 23.46  | 23.36  |                     |          |
| 1.4             | QPSK   | 3  | 3  | 23.28  | 23.44  | 23.25  | 24                  | 1        |
| 1.4             | QPSK   | 6  | 0  | 22.33  | 22.41  | 22.25  |                     |          |
| 1.4             | 16QAM  | 1  | 0  | 22.66  | 22.55  | 22.53  | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 3  | 22.35  | 22.54  | 22.41  |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 22.35  | 22.54  | 22.45  |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 22.36  | 22.44  | 22.31  |                     |          |
| 1.4             | 16QAM  | 3  | 1  | 22.39  | 22.35  | 22.29  |                     |          |
| 1.4             | 16QAM  | 3  | 3  | 22.15  | 22.32  | 22.31  |                     |          |
| 1.4             | 16QAM  | 6  | 0  | 21.42  | 21.47  | 21.41  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 0  | 21.42  | 21.55  | 21.39  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 3  | 21.20  | 21.42  | 21.30  |                     |          |
| 1.4             | 64QAM  | 1  | 5  | 21.38  | 21.40  | 21.45  |                     |          |
| 1.4             | 64QAM  | 3  | 0  | 21.36  | 21.52  | 21.25  |                     |          |
| 1.4             | 64QAM  | 3  | 1  | 21.27  | 21.38  | 21.29  |                     |          |
| 1.4             | 64QAM  | 3  | 3  | 21.27  | 21.29  | 21.24  |                     |          |
| 1.4             | 64QAM  | 6  | 0  | 20.39  | 20.43  | 20.37  | 22                  | 3        |
| 1.4             | 256QAM | 1  | 0  | 18.43  | 18.49  | 18.37  | 20                  | 5        |
| 1.4             | 256QAM | 1  | 3  | 18.29  | 18.40  | 18.33  |                     |          |
| 1.4             | 256QAM | 1  | 5  | 18.49  | 18.41  | 18.33  |                     |          |
| 1.4             | 256QAM | 3  | 0  | 18.57  | 18.64  | 18.55  |                     |          |
| 1.4             | 256QAM | 3  | 1  | 18.52  | 18.47  | 18.53  |                     |          |
| 1.4             | 256QAM | 3  | 3  | 18.54  | 18.57  | 18.39  |                     |          |
| 1.4             | 256QAM | 6  | 0  | 18.50  | 18.52  | 18.52  | 20                  | 5        |



Reduced Power Mode for DSI 1

**Band 5 Ant0 Default**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 20450                 | 20525                    | 20600                  |                     |          |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    |                     |          |
| 10              | QPSK       | 1       | 0         | 23.68                 | 23.76                    | 23.60                  | 25                  | 0        |
| 10              | QPSK       | 1       | 25        | 23.47                 | 23.60                    | 23.56                  |                     |          |
| 10              | QPSK       | 1       | 49        | 23.61                 | 23.63                    | 23.52                  |                     |          |
| 10              | QPSK       | 25      | 0         | 22.49                 | 22.71                    | 22.60                  | 24                  | 1        |
| 10              | QPSK       | 25      | 12        | 22.58                 | 22.62                    | 22.57                  |                     |          |
| 10              | QPSK       | 25      | 25        | 22.61                 | 22.68                    | 22.56                  |                     |          |
| 10              | QPSK       | 50      | 0         | 22.50                 | 22.57                    | 22.52                  | 24                  | 1        |
| 10              | 16QAM      | 1       | 0         | 22.67                 | 22.83                    | 22.75                  |                     |          |
| 10              | 16QAM      | 1       | 25        | 22.74                 | 22.80                    | 22.64                  |                     |          |
| 10              | 16QAM      | 1       | 49        | 22.66                 | 22.77                    | 22.65                  | 23                  | 2        |
| 10              | 16QAM      | 25      | 0         | 21.64                 | 21.71                    | 21.62                  |                     |          |
| 10              | 16QAM      | 25      | 12        | 21.54                 | 21.61                    | 21.46                  |                     |          |
| 10              | 16QAM      | 25      | 25        | 21.52                 | 21.57                    | 21.44                  | 23                  | 2        |
| 10              | 16QAM      | 50      | 0         | 21.51                 | 21.54                    | 21.41                  |                     |          |
| 10              | 64QAM      | 1       | 0         | 21.75                 | 21.78                    | 21.72                  |                     |          |
| 10              | 64QAM      | 1       | 25        | 21.58                 | 21.75                    | 21.64                  | 23                  | 2        |
| 10              | 64QAM      | 1       | 49        | 21.52                 | 21.66                    | 21.61                  |                     |          |
| 10              | 64QAM      | 25      | 0         | 20.61                 | 20.69                    | 20.61                  |                     |          |
| 10              | 64QAM      | 25      | 12        | 20.53                 | 20.60                    | 20.54                  | 22                  | 3        |
| 10              | 64QAM      | 25      | 25        | 20.48                 | 20.56                    | 20.47                  |                     |          |
| 10              | 64QAM      | 50      | 0         | 20.48                 | 20.65                    | 20.56                  |                     |          |
| 10              | 256QAM     | 1       | 0         | 18.57                 | 18.74                    | 18.73                  | 20                  | 5        |
| 10              | 256QAM     | 1       | 25        | 18.64                 | 18.72                    | 18.65                  |                     |          |
| 10              | 256QAM     | 1       | 49        | 18.62                 | 18.70                    | 18.64                  |                     |          |
| 10              | 256QAM     | 25      | 0         | 18.77                 | 18.84                    | 18.72                  | 20                  | 5        |
| 10              | 256QAM     | 25      | 12        | 18.69                 | 18.78                    | 18.69                  |                     |          |
| 10              | 256QAM     | 25      | 25        | 18.75                 | 18.80                    | 18.63                  |                     |          |
| 10              | 256QAM     | 50      | 0         | 18.66                 | 18.73                    | 18.67                  |                     |          |
| Channel         |            |         |           | 20425                 | 20525                    | 20625                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  |                     |          |
| 5               | QPSK       | 1       | 0         | 23.56                 | 23.66                    | 23.54                  | 25                  | 0        |
| 5               | QPSK       | 1       | 12        | 23.40                 | 23.54                    | 23.51                  |                     |          |
| 5               | QPSK       | 1       | 24        | 23.55                 | 23.48                    | 23.39                  |                     |          |
| 5               | QPSK       | 12      | 0         | 22.35                 | 22.51                    | 22.57                  | 24                  | 1        |
| 5               | QPSK       | 12      | 7         | 22.48                 | 22.64                    | 22.50                  |                     |          |
| 5               | QPSK       | 12      | 13        | 22.57                 | 22.53                    | 22.51                  |                     |          |
| 5               | QPSK       | 25      | 0         | 22.41                 | 22.49                    | 22.39                  | 24                  | 1        |
| 5               | 16QAM      | 1       | 0         | 22.57                 | 22.68                    | 22.65                  |                     |          |
| 5               | 16QAM      | 1       | 12        | 22.67                 | 22.65                    | 22.57                  |                     |          |
| 5               | 16QAM      | 1       | 24        | 22.58                 | 22.65                    | 22.57                  |                     |          |



|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 5               | 16QAM  | 12 | 0  | 21.55 | 21.63 | 21.56 | 23                  | 2        |
| 5               | 16QAM  | 12 | 7  | 21.47 | 21.49 | 21.38 |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.39 | 21.43 | 21.32 |                     |          |
| 5               | 16QAM  | 25 | 0  | 21.47 | 21.44 | 21.38 | 23                  | 2        |
| 5               | 64QAM  | 1  | 0  | 21.72 | 21.62 | 21.65 |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.50 | 21.72 | 21.62 |                     |          |
| 5               | 64QAM  | 1  | 24 | 21.45 | 21.53 | 21.48 | 22                  | 3        |
| 5               | 64QAM  | 12 | 0  | 20.51 | 20.63 | 20.49 |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.49 | 20.51 | 20.46 |                     |          |
| 5               | 64QAM  | 12 | 13 | 20.37 | 20.47 | 20.44 | 20                  | 5        |
| 5               | 64QAM  | 25 | 0  | 20.37 | 20.56 | 20.47 |                     |          |
| 5               | 256QAM | 1  | 0  | 18.55 | 18.82 | 18.72 |                     |          |
| 5               | 256QAM | 1  | 12 | 18.59 | 18.66 | 18.66 | 20                  | 5        |
| 5               | 256QAM | 1  | 24 | 18.67 | 18.70 | 18.51 |                     |          |
| 5               | 256QAM | 12 | 0  | 18.79 | 18.83 | 18.77 |                     |          |
| 5               | 256QAM | 12 | 7  | 18.79 | 18.69 | 18.69 | 20                  | 5        |
| 5               | 256QAM | 12 | 13 | 18.79 | 18.86 | 18.63 |                     |          |
| 5               | 256QAM | 25 | 0  | 18.74 | 18.85 | 18.77 |                     |          |
| Channel         |        |    |    | 20415 | 20525 | 20635 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 825.5 | 836.5 | 847.5 |                     |          |
| 3               | QPSK   | 1  | 0  | 23.62 | 23.61 | 23.55 | 25                  | 0        |
| 3               | QPSK   | 1  | 8  | 23.40 | 23.45 | 23.52 |                     |          |
| 3               | QPSK   | 1  | 14 | 23.48 | 23.58 | 23.45 |                     |          |
| 3               | QPSK   | 8  | 0  | 22.34 | 22.47 | 22.46 | 24                  | 1        |
| 3               | QPSK   | 8  | 4  | 22.55 | 22.54 | 22.44 |                     |          |
| 3               | QPSK   | 8  | 7  | 22.44 | 22.51 | 22.53 |                     |          |
| 3               | QPSK   | 15 | 0  | 22.46 | 22.54 | 22.46 | 24                  | 1        |
| 3               | 16QAM  | 1  | 0  | 22.59 | 22.78 | 22.64 |                     |          |
| 3               | 16QAM  | 1  | 8  | 22.60 | 22.75 | 22.59 |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.59 | 22.71 | 22.61 | 23                  | 2        |
| 3               | 16QAM  | 8  | 0  | 21.54 | 21.58 | 21.53 |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.42 | 21.44 | 21.39 |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.37 | 21.49 | 21.28 | 23                  | 2        |
| 3               | 16QAM  | 15 | 0  | 21.47 | 21.45 | 21.27 |                     |          |
| 3               | 64QAM  | 1  | 0  | 21.61 | 21.74 | 21.66 |                     |          |
| 3               | 64QAM  | 1  | 8  | 21.43 | 21.59 | 21.53 | 23                  | 2        |
| 3               | 64QAM  | 1  | 14 | 21.46 | 21.63 | 21.58 |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.47 | 20.57 | 20.52 |                     |          |
| 3               | 64QAM  | 8  | 4  | 20.46 | 20.53 | 20.52 | 22                  | 3        |
| 3               | 64QAM  | 8  | 7  | 20.34 | 20.43 | 20.35 |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.45 | 20.50 | 20.48 |                     |          |
| 3               | 256QAM | 1  | 0  | 18.59 | 18.76 | 18.65 | 20                  | 5        |
| 3               | 256QAM | 1  | 8  | 18.67 | 18.71 | 18.70 |                     |          |
| 3               | 256QAM | 1  | 14 | 18.59 | 18.64 | 18.50 |                     |          |
| 3               | 256QAM | 8  | 0  | 18.78 | 18.80 | 18.70 | 20                  | 5        |
| 3               | 256QAM | 8  | 4  | 18.70 | 18.71 | 18.66 |                     |          |
| 3               | 256QAM | 8  | 7  | 18.77 | 18.82 | 18.67 |                     |          |



| 3               | 256QAM | 15 | 0 | 18.65 | 18.84 | 18.72 |                     |          |
|-----------------|--------|----|---|-------|-------|-------|---------------------|----------|
| Channel         |        |    |   | 20407 | 20525 | 20643 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |   | 824.7 | 836.5 | 848.3 |                     |          |
| 1.4             | QPSK   | 1  | 0 | 23.59 | 23.62 | 23.54 | 25                  | 0        |
| 1.4             | QPSK   | 1  | 3 | 23.32 | 23.52 | 23.46 |                     |          |
| 1.4             | QPSK   | 1  | 5 | 23.55 | 23.48 | 23.46 |                     |          |
| 1.4             | QPSK   | 3  | 0 | 23.46 | 23.60 | 23.57 |                     |          |
| 1.4             | QPSK   | 3  | 1 | 23.54 | 23.59 | 23.46 |                     |          |
| 1.4             | QPSK   | 3  | 3 | 23.59 | 23.63 | 23.47 |                     |          |
| 1.4             | QPSK   | 6  | 0 | 22.37 | 22.48 | 22.39 | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 0 | 22.54 | 22.79 | 22.70 | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 3 | 22.62 | 22.75 | 22.50 |                     |          |
| 1.4             | 16QAM  | 1  | 5 | 22.61 | 22.72 | 22.48 |                     |          |
| 1.4             | 16QAM  | 3  | 0 | 22.47 | 22.63 | 22.54 |                     |          |
| 1.4             | 16QAM  | 3  | 1 | 22.37 | 22.47 | 22.43 |                     |          |
| 1.4             | 16QAM  | 3  | 3 | 22.40 | 22.42 | 22.36 |                     |          |
| 1.4             | 16QAM  | 6  | 0 | 21.40 | 21.43 | 21.26 | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 0 | 21.66 | 21.61 | 21.66 | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 3 | 21.53 | 21.59 | 21.53 |                     |          |
| 1.4             | 64QAM  | 1  | 5 | 21.49 | 21.59 | 21.52 |                     |          |
| 1.4             | 64QAM  | 3  | 0 | 21.52 | 21.59 | 21.54 |                     |          |
| 1.4             | 64QAM  | 3  | 1 | 21.46 | 21.46 | 21.37 |                     |          |
| 1.4             | 64QAM  | 3  | 3 | 21.32 | 21.40 | 21.31 |                     |          |
| 1.4             | 64QAM  | 6  | 0 | 20.46 | 20.51 | 20.49 | 22                  | 3        |
| 1.4             | 256QAM | 1  | 0 | 18.62 | 18.69 | 18.61 | 20                  | 5        |
| 1.4             | 256QAM | 1  | 3 | 18.68 | 18.63 | 18.66 |                     |          |
| 1.4             | 256QAM | 1  | 5 | 18.65 | 18.73 | 18.63 |                     |          |
| 1.4             | 256QAM | 3  | 0 | 18.69 | 18.88 | 18.72 |                     |          |
| 1.4             | 256QAM | 3  | 1 | 18.71 | 18.72 | 18.79 |                     |          |
| 1.4             | 256QAM | 3  | 3 | 18.66 | 18.86 | 18.60 |                     |          |
| 1.4             | 256QAM | 6  | 0 | 18.63 | 18.71 | 18.69 | 20                  | 5        |



## Band 12 Ant0 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 23060                 | 23095                    | 23130                  |                     |          |
| Frequency (MHz) |            |         |           | 704                   | 707.5                    | 711                    |                     |          |
| 10              | QPSK       | 1       | 0         | 23.78                 | 23.86                    | 23.72                  | 25                  | 0        |
| 10              | QPSK       | 1       | 25        | 23.55                 | 23.71                    | 23.64                  |                     |          |
| 10              | QPSK       | 1       | 49        | 23.57                 | 23.67                    | 23.56                  |                     |          |
| 10              | QPSK       | 25      | 0         | 22.62                 | 22.79                    | 22.73                  | 24                  | 1        |
| 10              | QPSK       | 25      | 12        | 22.66                 | 22.73                    | 22.62                  |                     |          |
| 10              | QPSK       | 25      | 25        | 22.76                 | 22.78                    | 22.75                  |                     |          |
| 10              | QPSK       | 50      | 0         | 22.61                 | 22.75                    | 22.69                  | 24                  | 1        |
| 10              | 16QAM      | 1       | 0         | 22.89                 | 23.00                    | 22.90                  |                     |          |
| 10              | 16QAM      | 1       | 25        | 22.81                 | 22.93                    | 22.87                  |                     |          |
| 10              | 16QAM      | 1       | 49        | 22.84                 | 22.92                    | 22.82                  | 23                  | 2        |
| 10              | 16QAM      | 25      | 0         | 21.83                 | 21.89                    | 21.77                  |                     |          |
| 10              | 16QAM      | 25      | 12        | 21.63                 | 21.78                    | 21.70                  |                     |          |
| 10              | 16QAM      | 25      | 25        | 21.72                 | 21.86                    | 21.75                  | 23                  | 2        |
| 10              | 16QAM      | 50      | 0         | 21.59                 | 21.74                    | 21.65                  |                     |          |
| 10              | 64QAM      | 1       | 0         | 21.94                 | 22.06                    | 22.02                  |                     |          |
| 10              | 64QAM      | 1       | 25        | 21.85                 | 22.02                    | 21.90                  | 23                  | 2        |
| 10              | 64QAM      | 1       | 49        | 21.90                 | 21.97                    | 21.82                  |                     |          |
| 10              | 64QAM      | 25      | 0         | 20.82                 | 20.85                    | 20.79                  |                     |          |
| 10              | 64QAM      | 25      | 12        | 20.68                 | 20.78                    | 20.70                  | 22                  | 3        |
| 10              | 64QAM      | 25      | 25        | 20.65                 | 20.70                    | 20.65                  |                     |          |
| 10              | 64QAM      | 50      | 0         | 20.66                 | 20.83                    | 20.75                  |                     |          |
| 10              | 256QAM     | 1       | 0         | 18.60                 | 18.78                    | 18.69                  | 20                  | 5        |
| 10              | 256QAM     | 1       | 25        | 18.65                 | 18.60                    | 18.63                  |                     |          |
| 10              | 256QAM     | 1       | 49        | 18.65                 | 18.72                    | 18.53                  |                     |          |
| 10              | 256QAM     | 25      | 0         | 18.69                 | 18.81                    | 18.81                  | 20                  | 5        |
| 10              | 256QAM     | 25      | 12        | 18.72                 | 18.75                    | 18.73                  |                     |          |
| 10              | 256QAM     | 25      | 25        | 18.77                 | 18.82                    | 18.70                  |                     |          |
| 10              | 256QAM     | 50      | 0         | 18.69                 | 18.80                    | 18.76                  |                     |          |
| Channel         |            |         |           | 23035                 | 23095                    | 23155                  |                     |          |
| Frequency (MHz) |            |         |           | 701.5                 | 707.5                    | 713.5                  |                     |          |
| 5               | QPSK       | 1       | 0         | 23.67                 | 23.83                    | 23.56                  | 25                  | 0        |
| 5               | QPSK       | 1       | 12        | 23.41                 | 23.63                    | 23.60                  |                     |          |
| 5               | QPSK       | 1       | 24        | 23.55                 | 23.54                    | 23.41                  |                     |          |
| 5               | QPSK       | 12      | 0         | 22.50                 | 22.67                    | 22.65                  | 24                  | 1        |
| 5               | QPSK       | 12      | 7         | 22.58                 | 22.63                    | 22.53                  |                     |          |
| 5               | QPSK       | 12      | 13        | 22.67                 | 22.74                    | 22.63                  |                     |          |
| 5               | QPSK       | 25      | 0         | 22.58                 | 22.73                    | 22.56                  | 24                  | 1        |
| 5               | 16QAM      | 1       | 0         | 22.82                 | 22.87                    | 22.86                  |                     |          |
| 5               | 16QAM      | 1       | 12        | 22.69                 | 22.78                    | 22.70                  |                     |          |
| 5               | 16QAM      | 1       | 24        | 22.73                 | 22.87                    | 22.66                  |                     |          |



|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 5               | 16QAM  | 12 | 0  | 21.76 | 21.86 | 21.69 | 23                  | 2        |
| 5               | 16QAM  | 12 | 7  | 21.51 | 21.72 | 21.60 |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.62 | 21.76 | 21.61 |                     |          |
| 5               | 16QAM  | 25 | 0  | 21.51 | 21.63 | 21.49 | 23                  | 2        |
| 5               | 64QAM  | 1  | 0  | 21.86 | 21.90 | 21.99 |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.72 | 21.93 | 21.83 |                     |          |
| 5               | 64QAM  | 1  | 24 | 21.76 | 21.88 | 21.75 | 22                  | 3        |
| 5               | 64QAM  | 12 | 0  | 20.69 | 20.76 | 20.71 |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.56 | 20.69 | 20.59 |                     |          |
| 5               | 64QAM  | 12 | 13 | 20.57 | 20.55 | 20.48 | 20                  | 5        |
| 5               | 64QAM  | 25 | 0  | 20.55 | 20.74 | 20.70 |                     |          |
| 5               | 256QAM | 1  | 0  | 18.61 | 18.73 | 18.70 |                     |          |
| 5               | 256QAM | 1  | 12 | 18.67 | 18.66 | 18.68 | 20                  | 5        |
| 5               | 256QAM | 1  | 24 | 18.71 | 18.71 | 18.56 |                     |          |
| 5               | 256QAM | 12 | 0  | 18.77 | 18.84 | 18.74 |                     |          |
| 5               | 256QAM | 12 | 7  | 18.64 | 18.69 | 18.69 | 20                  | 5        |
| 5               | 256QAM | 12 | 13 | 18.66 | 18.85 | 18.61 |                     |          |
| 5               | 256QAM | 25 | 0  | 18.77 | 18.83 | 18.74 |                     |          |
| Channel         |        |    |    | 23025 | 23095 | 23165 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 700.5 | 707.5 | 714.5 |                     |          |
| 3               | QPSK   | 1  | 0  | 23.72 | 23.70 | 23.63 | 25                  | 0        |
| 3               | QPSK   | 1  | 8  | 23.52 | 23.66 | 23.55 |                     |          |
| 3               | QPSK   | 1  | 14 | 23.52 | 23.60 | 23.44 |                     |          |
| 3               | QPSK   | 8  | 0  | 22.51 | 22.73 | 22.65 | 24                  | 1        |
| 3               | QPSK   | 8  | 4  | 22.49 | 22.67 | 22.49 |                     |          |
| 3               | QPSK   | 8  | 7  | 22.69 | 22.63 | 22.71 |                     |          |
| 3               | QPSK   | 15 | 0  | 22.54 | 22.73 | 22.64 | 24                  | 1        |
| 3               | 16QAM  | 1  | 0  | 22.87 | 22.94 | 22.85 |                     |          |
| 3               | 16QAM  | 1  | 8  | 22.64 | 22.86 | 22.83 |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.77 | 22.79 | 22.76 | 23                  | 2        |
| 3               | 16QAM  | 8  | 0  | 21.71 | 21.87 | 21.70 |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.57 | 21.67 | 21.63 |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.62 | 21.75 | 21.61 | 23                  | 2        |
| 3               | 16QAM  | 15 | 0  | 21.53 | 21.65 | 21.53 |                     |          |
| 3               | 64QAM  | 1  | 0  | 21.86 | 22.00 | 22.00 |                     |          |
| 3               | 64QAM  | 1  | 8  | 21.71 | 21.98 | 21.76 | 23                  | 2        |
| 3               | 64QAM  | 1  | 14 | 21.78 | 21.95 | 21.71 |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.76 | 20.81 | 20.69 |                     |          |
| 3               | 64QAM  | 8  | 4  | 20.63 | 20.64 | 20.66 | 22                  | 3        |
| 3               | 64QAM  | 8  | 7  | 20.54 | 20.58 | 20.55 |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.53 | 20.72 | 20.72 |                     |          |
| 3               | 256QAM | 1  | 0  | 18.61 | 18.79 | 18.69 | 20                  | 5        |
| 3               | 256QAM | 1  | 8  | 18.65 | 18.73 | 18.62 |                     |          |
| 3               | 256QAM | 1  | 14 | 18.73 | 18.64 | 18.63 |                     |          |
| 3               | 256QAM | 8  | 0  | 18.71 | 18.86 | 18.73 | 20                  | 5        |
| 3               | 256QAM | 8  | 4  | 18.67 | 18.81 | 18.68 |                     |          |
| 3               | 256QAM | 8  | 7  | 18.80 | 18.78 | 18.71 |                     |          |



| 3               | 256QAM | 15 | 0 | 18.71 | 18.78 | 18.74 |                     |          |
|-----------------|--------|----|---|-------|-------|-------|---------------------|----------|
| Channel         |        |    |   | 23017 | 23095 | 23173 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |   | 699.7 | 707.5 | 715.3 |                     |          |
| 1.4             | QPSK   | 1  | 0 | 23.72 | 23.71 | 23.69 | 25                  | 0        |
| 1.4             | QPSK   | 1  | 3 | 23.42 | 23.65 | 23.62 |                     |          |
| 1.4             | QPSK   | 1  | 5 | 23.50 | 23.62 | 23.46 |                     |          |
| 1.4             | QPSK   | 3  | 0 | 23.54 | 23.65 | 23.68 |                     |          |
| 1.4             | QPSK   | 3  | 1 | 23.60 | 23.66 | 23.51 |                     |          |
| 1.4             | QPSK   | 3  | 3 | 23.73 | 23.76 | 23.72 |                     |          |
| 1.4             | QPSK   | 6  | 0 | 22.56 | 22.72 | 22.63 | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 0 | 22.72 | 22.92 | 22.84 | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 3 | 22.76 | 22.84 | 22.79 |                     |          |
| 1.4             | 16QAM  | 1  | 5 | 22.81 | 22.80 | 22.70 |                     |          |
| 1.4             | 16QAM  | 3  | 0 | 22.78 | 22.76 | 22.71 |                     |          |
| 1.4             | 16QAM  | 3  | 1 | 22.61 | 22.66 | 22.56 |                     |          |
| 1.4             | 16QAM  | 3  | 3 | 22.65 | 22.74 | 22.65 |                     |          |
| 1.4             | 16QAM  | 6  | 0 | 21.45 | 21.68 | 21.61 | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 0 | 21.80 | 21.93 | 21.98 | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 3 | 21.80 | 21.94 | 21.79 |                     |          |
| 1.4             | 64QAM  | 1  | 5 | 21.80 | 21.90 | 21.77 |                     |          |
| 1.4             | 64QAM  | 3  | 0 | 21.71 | 21.68 | 21.63 |                     |          |
| 1.4             | 64QAM  | 3  | 1 | 21.59 | 21.73 | 21.54 |                     |          |
| 1.4             | 64QAM  | 3  | 3 | 21.49 | 21.66 | 21.62 |                     |          |
| 1.4             | 64QAM  | 6  | 0 | 20.64 | 20.75 | 20.68 | 22                  | 3        |
| 1.4             | 256QAM | 1  | 0 | 18.65 | 18.77 | 18.62 | 20                  | 5        |
| 1.4             | 256QAM | 1  | 3 | 18.56 | 18.60 | 18.69 |                     |          |
| 1.4             | 256QAM | 1  | 5 | 18.60 | 18.74 | 18.57 |                     |          |
| 1.4             | 256QAM | 3  | 0 | 18.83 | 18.90 | 18.76 |                     |          |
| 1.4             | 256QAM | 3  | 1 | 18.68 | 18.74 | 18.69 |                     |          |
| 1.4             | 256QAM | 3  | 3 | 18.69 | 18.76 | 18.64 |                     |          |
| 1.4             | 256QAM | 6  | 0 | 18.71 | 18.81 | 18.71 | 20                  | 5        |





## Band 13 Ant0 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 23230                 |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 782                   |                          |                        |                     |          |
| 10              | QPSK       | 1       | 0         |                       | 23.61                    |                        | 25                  | 0        |
| 10              | QPSK       | 1       | 25        |                       | 23.52                    |                        |                     |          |
| 10              | QPSK       | 1       | 49        |                       | 23.56                    |                        |                     |          |
| 10              | QPSK       | 25      | 0         |                       | 22.71                    |                        | 24                  | 1        |
| 10              | QPSK       | 25      | 12        |                       | 22.60                    |                        |                     |          |
| 10              | QPSK       | 25      | 25        |                       | 22.67                    |                        |                     |          |
| 10              | QPSK       | 50      | 0         |                       | 22.64                    |                        | 24                  | 1        |
| 10              | 16QAM      | 1       | 0         |                       | 22.81                    |                        |                     |          |
| 10              | 16QAM      | 1       | 25        |                       | 22.71                    |                        |                     |          |
| 10              | 16QAM      | 1       | 49        |                       | 22.71                    |                        | 23                  | 2        |
| 10              | 16QAM      | 25      | 0         |                       | 21.76                    |                        |                     |          |
| 10              | 16QAM      | 25      | 12        |                       | 21.69                    |                        |                     |          |
| 10              | 16QAM      | 25      | 25        |                       | 21.65                    |                        | 23                  | 2        |
| 10              | 16QAM      | 50      | 0         |                       | 21.72                    |                        |                     |          |
| 10              | 64QAM      | 1       | 0         |                       | 21.76                    |                        |                     |          |
| 10              | 64QAM      | 1       | 25        |                       | 21.61                    |                        | 23                  | 2        |
| 10              | 64QAM      | 1       | 49        |                       | 21.63                    |                        |                     |          |
| 10              | 64QAM      | 25      | 0         |                       | 20.65                    |                        |                     |          |
| 10              | 64QAM      | 25      | 12        |                       | 20.51                    |                        | 22                  | 3        |
| 10              | 64QAM      | 25      | 25        |                       | 20.58                    |                        |                     |          |
| 10              | 64QAM      | 50      | 0         |                       | 20.67                    |                        |                     |          |
| 10              | 256QAM     | 1       | 0         |                       | 18.71                    |                        | 20                  | 5        |
| 10              | 256QAM     | 1       | 25        |                       | 18.68                    |                        |                     |          |
| 10              | 256QAM     | 1       | 49        |                       | 18.64                    |                        |                     |          |
| 10              | 256QAM     | 25      | 0         |                       | 18.82                    |                        | 20                  | 5        |
| 10              | 256QAM     | 25      | 12        |                       | 18.71                    |                        |                     |          |
| 10              | 256QAM     | 25      | 25        |                       | 18.75                    |                        |                     |          |
| 10              | 256QAM     | 50      | 0         |                       | 18.76                    |                        |                     |          |
| Channel         |            |         |           | 23205                 | 23230                    | 23255                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 779.5                 | 782                      | 784.5                  |                     |          |
| 5               | QPSK       | 1       | 0         | 23.48                 | 23.49                    | 23.58                  | 25                  | 0        |
| 5               | QPSK       | 1       | 12        | 23.45                 | 23.43                    | 23.38                  |                     |          |
| 5               | QPSK       | 1       | 24        | 23.46                 | 23.50                    | 23.54                  |                     |          |
| 5               | QPSK       | 12      | 0         | 22.64                 | 22.67                    | 22.60                  | 24                  | 1        |
| 5               | QPSK       | 12      | 7         | 22.50                 | 22.51                    | 22.50                  |                     |          |
| 5               | QPSK       | 12      | 13        | 22.65                 | 22.54                    | 22.57                  |                     |          |
| 5               | QPSK       | 25      | 0         | 22.56                 | 22.50                    | 22.60                  | 24                  | 1        |
| 5               | 16QAM      | 1       | 0         | 22.78                 | 22.79                    | 22.68                  |                     |          |
| 5               | 16QAM      | 1       | 12        | 22.58                 | 22.58                    | 22.62                  |                     |          |
| 5               | 16QAM      | 1       | 24        | 22.64                 | 22.68                    | 22.62                  |                     |          |



|   |        |    |    |       |       |       |    |   |
|---|--------|----|----|-------|-------|-------|----|---|
| 5 | 16QAM  | 12 | 0  | 21.70 | 21.65 | 21.71 | 23 | 2 |
| 5 | 16QAM  | 12 | 7  | 21.55 | 21.62 | 21.54 |    |   |
| 5 | 16QAM  | 12 | 13 | 21.63 | 21.58 | 21.56 |    |   |
| 5 | 16QAM  | 25 | 0  | 21.59 | 21.63 | 21.61 | 23 | 2 |
| 5 | 64QAM  | 1  | 0  | 21.65 | 21.67 | 21.69 |    |   |
| 5 | 64QAM  | 1  | 12 | 21.58 | 21.56 | 21.50 |    |   |
| 5 | 64QAM  | 1  | 24 | 21.47 | 21.58 | 21.58 | 22 | 3 |
| 5 | 64QAM  | 12 | 0  | 20.59 | 20.53 | 20.51 |    |   |
| 5 | 64QAM  | 12 | 7  | 20.49 | 20.35 | 20.46 |    |   |
| 5 | 64QAM  | 12 | 13 | 20.47 | 20.56 | 20.42 | 20 | 5 |
| 5 | 64QAM  | 25 | 0  | 20.51 | 20.59 | 20.55 |    |   |
| 5 | 256QAM | 1  | 0  | 18.52 | 18.72 | 18.69 |    |   |
| 5 | 256QAM | 1  | 12 | 18.52 | 18.68 | 18.56 | 20 | 5 |
| 5 | 256QAM | 1  | 24 | 18.65 | 18.59 | 18.53 |    |   |
| 5 | 256QAM | 12 | 0  | 18.72 | 18.79 | 18.65 |    |   |
| 5 | 256QAM | 12 | 7  | 18.64 | 18.65 | 18.63 | 20 | 5 |
| 5 | 256QAM | 12 | 13 | 18.66 | 18.83 | 18.55 |    |   |
| 5 | 256QAM | 25 | 0  | 18.65 | 18.67 | 18.69 |    |   |



## Band 14 Ant0 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 23330                 |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 793                   |                          |                        |                     |          |
| 10              | QPSK       | 1       | 0         |                       | 23.66                    |                        | 25                  | 0        |
| 10              | QPSK       | 1       | 25        |                       | 23.61                    |                        |                     |          |
| 10              | QPSK       | 1       | 49        |                       | 23.59                    |                        |                     |          |
| 10              | QPSK       | 25      | 0         |                       | 22.68                    |                        | 24                  | 1        |
| 10              | QPSK       | 25      | 12        |                       | 22.62                    |                        |                     |          |
| 10              | QPSK       | 25      | 25        |                       | 22.67                    |                        |                     |          |
| 10              | QPSK       | 50      | 0         |                       | 22.60                    |                        | 24                  | 1        |
| 10              | 16QAM      | 1       | 0         |                       | 22.84                    |                        |                     |          |
| 10              | 16QAM      | 1       | 25        |                       | 22.71                    |                        |                     |          |
| 10              | 16QAM      | 1       | 49        |                       | 22.74                    |                        | 23                  | 2        |
| 10              | 16QAM      | 25      | 0         |                       | 21.62                    |                        |                     |          |
| 10              | 16QAM      | 25      | 12        |                       | 21.49                    |                        |                     |          |
| 10              | 16QAM      | 25      | 25        |                       | 21.55                    |                        | 23                  | 2        |
| 10              | 16QAM      | 50      | 0         |                       | 21.65                    |                        |                     |          |
| 10              | 64QAM      | 1       | 0         |                       | 21.79                    |                        |                     |          |
| 10              | 64QAM      | 1       | 25        |                       | 21.69                    |                        | 23                  | 2        |
| 10              | 64QAM      | 1       | 49        |                       | 21.63                    |                        |                     |          |
| 10              | 64QAM      | 25      | 0         |                       | 20.67                    |                        |                     |          |
| 10              | 64QAM      | 25      | 12        |                       | 20.65                    |                        | 22                  | 3        |
| 10              | 64QAM      | 25      | 25        |                       | 20.59                    |                        |                     |          |
| 10              | 64QAM      | 50      | 0         |                       | 20.60                    |                        |                     |          |
| 10              | 256QAM     | 1       | 0         |                       | 18.64                    |                        | 20                  | 5        |
| 10              | 256QAM     | 1       | 25        |                       | 18.60                    |                        |                     |          |
| 10              | 256QAM     | 1       | 49        |                       | 18.60                    |                        |                     |          |
| 10              | 256QAM     | 25      | 0         |                       | 18.76                    |                        | 20                  | 5        |
| 10              | 256QAM     | 25      | 12        |                       | 18.77                    |                        |                     |          |
| 10              | 256QAM     | 25      | 25        |                       | 18.72                    |                        |                     |          |
| 10              | 256QAM     | 50      | 0         |                       | 18.77                    |                        |                     |          |
| Channel         |            |         |           | 23305                 | 23330                    | 23355                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 790.5                 | 793                      | 795.5                  |                     |          |
| 5               | QPSK       | 1       | 0         | 23.56                 | 23.61                    | 23.59                  | 25                  | 0        |
| 5               | QPSK       | 1       | 12        | 23.49                 | 23.46                    | 23.57                  |                     |          |
| 5               | QPSK       | 1       | 24        | 23.44                 | 23.47                    | 23.48                  |                     |          |
| 5               | QPSK       | 12      | 0         | 22.55                 | 22.51                    | 22.62                  | 24                  | 1        |
| 5               | QPSK       | 12      | 7         | 22.59                 | 22.58                    | 22.46                  |                     |          |
| 5               | QPSK       | 12      | 13        | 22.57                 | 22.62                    | 22.58                  |                     |          |
| 5               | QPSK       | 25      | 0         | 22.47                 | 22.48                    | 22.52                  | 24                  | 1        |
| 5               | 16QAM      | 1       | 0         | 22.75                 | 22.72                    | 22.76                  |                     |          |
| 5               | 16QAM      | 1       | 12        | 22.56                 | 22.59                    | 22.55                  |                     |          |
| 5               | 16QAM      | 1       | 24        | 22.59                 | 22.57                    | 22.60                  |                     |          |



**FCC SAR Test Report**

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|   |        |    |    |       |       |       |    |   |
|---|--------|----|----|-------|-------|-------|----|---|
| 5 | 16QAM  | 12 | 0  | 21.55 | 21.50 | 21.55 | 23 | 2 |
| 5 | 16QAM  | 12 | 7  | 21.40 | 21.36 | 21.46 |    |   |
| 5 | 16QAM  | 12 | 13 | 21.43 | 21.38 | 21.38 |    |   |
| 5 | 16QAM  | 25 | 0  | 21.49 | 21.49 | 21.49 | 23 | 2 |
| 5 | 64QAM  | 1  | 0  | 21.62 | 21.77 | 21.73 |    |   |
| 5 | 64QAM  | 1  | 12 | 21.64 | 21.61 | 21.62 |    |   |
| 5 | 64QAM  | 1  | 24 | 21.51 | 21.59 | 21.58 | 22 | 3 |
| 5 | 64QAM  | 12 | 0  | 20.61 | 20.61 | 20.55 |    |   |
| 5 | 64QAM  | 12 | 7  | 20.61 | 20.53 | 20.51 |    |   |
| 5 | 64QAM  | 12 | 13 | 20.54 | 20.44 | 20.50 | 20 | 5 |
| 5 | 64QAM  | 25 | 0  | 20.49 | 20.48 | 20.43 |    |   |
| 5 | 256QAM | 1  | 0  | 18.61 | 18.78 | 18.64 |    |   |
| 5 | 256QAM | 1  | 12 | 18.53 | 18.64 | 18.53 | 20 | 5 |
| 5 | 256QAM | 1  | 24 | 18.62 | 18.68 | 18.57 |    |   |
| 5 | 256QAM | 12 | 0  | 18.74 | 18.81 | 18.77 |    |   |
| 5 | 256QAM | 12 | 7  | 18.61 | 18.78 | 18.70 | 20 | 5 |
| 5 | 256QAM | 12 | 13 | 18.76 | 18.81 | 18.58 |    |   |
| 5 | 256QAM | 25 | 0  | 18.65 | 18.74 | 18.71 |    |   |



## Band 17 Ant0 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|
| Channel         |            |         |           | 23780                 | 23790                    | 23800                  |                     |          |  |  |
| Frequency (MHz) |            |         |           | 709                   | 710                      | 711                    |                     |          |  |  |
| 10              | QPSK       | 1       | 0         | 23.69                 | 23.71                    | 23.65                  | 25                  | 0        |  |  |
| 10              | QPSK       | 1       | 25        | 23.48                 | 23.63                    | 23.55                  |                     |          |  |  |
| 10              | QPSK       | 1       | 49        | 23.54                 | 23.67                    | 23.56                  |                     |          |  |  |
| 10              | QPSK       | 25      | 0         | 22.72                 | 22.81                    | 22.65                  | 24                  | 1        |  |  |
| 10              | QPSK       | 25      | 12        | 22.64                 | 22.78                    | 22.66                  |                     |          |  |  |
| 10              | QPSK       | 25      | 25        | 22.66                 | 22.74                    | 22.59                  |                     |          |  |  |
| 10              | QPSK       | 50      | 0         | 22.68                 | 22.71                    | 22.68                  | 24                  | 1        |  |  |
| 10              | 16QAM      | 1       | 0         | 22.76                 | 22.90                    | 22.78                  |                     |          |  |  |
| 10              | 16QAM      | 1       | 25        | 22.74                 | 22.87                    | 22.75                  |                     |          |  |  |
| 10              | 16QAM      | 1       | 49        | 22.79                 | 22.84                    | 22.81                  | 23                  | 2        |  |  |
| 10              | 16QAM      | 25      | 0         | 21.70                 | 21.83                    | 21.78                  |                     |          |  |  |
| 10              | 16QAM      | 25      | 12        | 21.61                 | 21.73                    | 21.57                  |                     |          |  |  |
| 10              | 16QAM      | 25      | 25        | 21.58                 | 21.73                    | 21.61                  | 23                  | 2        |  |  |
| 10              | 16QAM      | 50      | 0         | 21.59                 | 21.72                    | 21.65                  |                     |          |  |  |
| 10              | 64QAM      | 1       | 0         | 21.82                 | 21.91                    | 21.75                  |                     |          |  |  |
| 10              | 64QAM      | 1       | 25        | 21.67                 | 21.76                    | 21.60                  | 23                  | 2        |  |  |
| 10              | 64QAM      | 1       | 49        | 21.79                 | 21.86                    | 21.80                  |                     |          |  |  |
| 10              | 64QAM      | 25      | 0         | 20.79                 | 20.86                    | 20.71                  |                     |          |  |  |
| 10              | 64QAM      | 25      | 12        | 20.64                 | 20.78                    | 20.75                  | 22                  | 3        |  |  |
| 10              | 64QAM      | 25      | 25        | 20.59                 | 20.76                    | 20.61                  |                     |          |  |  |
| 10              | 64QAM      | 50      | 0         | 20.64                 | 20.78                    | 20.66                  |                     |          |  |  |
| 10              | 256QAM     | 1       | 0         | 18.57                 | 18.68                    | 18.70                  | 20                  | 5        |  |  |
| 10              | 256QAM     | 1       | 25        | 18.62                 | 18.65                    | 18.62                  |                     |          |  |  |
| 10              | 256QAM     | 1       | 49        | 18.57                 | 18.70                    | 18.45                  |                     |          |  |  |
| 10              | 256QAM     | 25      | 0         | 18.75                 | 18.88                    | 18.65                  | 20                  | 5        |  |  |
| 10              | 256QAM     | 25      | 12        | 18.72                 | 18.64                    | 18.74                  |                     |          |  |  |
| 10              | 256QAM     | 25      | 25        | 18.74                 | 18.79                    | 18.63                  |                     |          |  |  |
| 10              | 256QAM     | 50      | 0         | 18.69                 | 18.68                    | 18.70                  | 20                  | 5        |  |  |
| Channel         |            |         |           | 23755                 | 23790                    | 23825                  |                     |          |  |  |
| Frequency (MHz) |            |         |           | 706.5                 | 710                      | 713.5                  |                     |          |  |  |
| 5               | QPSK       | 1       | 0         | 23.55                 | 23.66                    | 23.57                  | 25                  | 0        |  |  |
| 5               | QPSK       | 1       | 12        | 23.40                 | 23.54                    | 23.39                  |                     |          |  |  |
| 5               | QPSK       | 1       | 24        | 23.51                 | 23.65                    | 23.50                  |                     |          |  |  |
| 5               | QPSK       | 12      | 0         | 22.68                 | 22.69                    | 22.58                  | 24                  | 1        |  |  |
| 5               | QPSK       | 12      | 7         | 22.60                 | 22.65                    | 22.52                  |                     |          |  |  |
| 5               | QPSK       | 12      | 13        | 22.59                 | 22.66                    | 22.43                  |                     |          |  |  |
| 5               | QPSK       | 25      | 0         | 22.54                 | 22.55                    | 22.65                  | 24                  | 1        |  |  |
| 5               | 16QAM      | 1       | 0         | 22.71                 | 22.86                    | 22.66                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 12        | 22.69                 | 22.73                    | 22.68                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 24        | 22.68                 | 22.70                    | 22.66                  |                     |          |  |  |



**FCC SAR Test Report**

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|   |        |    |    |       |       |       |    |   |
|---|--------|----|----|-------|-------|-------|----|---|
| 5 | 16QAM  | 12 | 0  | 21.60 | 21.76 | 21.70 | 23 | 2 |
| 5 | 16QAM  | 12 | 7  | 21.45 | 21.70 | 21.54 |    |   |
| 5 | 16QAM  | 12 | 13 | 21.51 | 21.64 | 21.53 |    |   |
| 5 | 16QAM  | 25 | 0  | 21.51 | 21.59 | 21.55 | 23 | 2 |
| 5 | 64QAM  | 1  | 0  | 21.66 | 21.80 | 21.69 |    |   |
| 5 | 64QAM  | 1  | 12 | 21.51 | 21.65 | 21.57 |    |   |
| 5 | 64QAM  | 1  | 24 | 21.75 | 21.81 | 21.76 | 22 | 3 |
| 5 | 64QAM  | 12 | 0  | 20.68 | 20.70 | 20.68 |    |   |
| 5 | 64QAM  | 12 | 7  | 20.53 | 20.68 | 20.64 |    |   |
| 5 | 64QAM  | 12 | 13 | 20.49 | 20.66 | 20.56 | 20 | 5 |
| 5 | 64QAM  | 25 | 0  | 20.60 | 20.63 | 20.58 |    |   |
| 5 | 256QAM | 1  | 0  | 18.62 | 18.71 | 18.63 |    |   |
| 5 | 256QAM | 1  | 12 | 18.60 | 18.55 | 18.60 | 20 | 5 |
| 5 | 256QAM | 1  | 24 | 18.67 | 18.66 | 18.57 |    |   |
| 5 | 256QAM | 12 | 0  | 18.69 | 18.85 | 18.66 |    |   |
| 5 | 256QAM | 12 | 7  | 18.69 | 18.78 | 18.67 | 20 | 5 |
| 5 | 256QAM | 12 | 13 | 18.64 | 18.78 | 18.67 |    |   |
| 5 | 256QAM | 25 | 0  | 18.72 | 18.71 | 18.63 |    |   |



### Band 26 for FCC Ant0 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 26765                 | 26865                    | 26965                  |                     |          |
| Frequency (MHz) |            |         |           | 821.5                 | 831.5                    | 841.5                  |                     |          |
| 15              | QPSK       | 1       | 0         | 23.77                 | 23.79                    | 23.71                  | 25                  | 0        |
| 15              | QPSK       | 1       | 37        | 23.70                 | 23.75                    | 23.72                  |                     |          |
| 15              | QPSK       | 1       | 74        | 23.55                 | 23.64                    | 23.52                  |                     |          |
| 15              | QPSK       | 36      | 0         | 22.66                 | 22.77                    | 22.69                  | 24                  | 1        |
| 15              | QPSK       | 36      | 20        | 22.54                 | 22.71                    | 22.64                  |                     |          |
| 15              | QPSK       | 36      | 39        | 22.58                 | 22.73                    | 22.63                  |                     |          |
| 15              | QPSK       | 75      | 0         | 22.66                 | 22.72                    | 22.64                  | 24                  | 1        |
| 15              | 16QAM      | 1       | 0         | 22.94                 | 22.97                    | 22.90                  |                     |          |
| 15              | 16QAM      | 1       | 37        | 22.85                 | 22.93                    | 22.83                  |                     |          |
| 15              | 16QAM      | 1       | 74        | 22.83                 | 22.90                    | 22.85                  | 23                  | 2        |
| 15              | 16QAM      | 36      | 0         | 21.58                 | 21.73                    | 21.57                  |                     |          |
| 15              | 16QAM      | 36      | 20        | 21.50                 | 21.60                    | 21.58                  |                     |          |
| 15              | 16QAM      | 36      | 39        | 21.61                 | 21.64                    | 21.58                  | 23                  | 2        |
| 15              | 16QAM      | 75      | 0         | 21.62                 | 21.73                    | 21.61                  |                     |          |
| 15              | 64QAM      | 1       | 0         | 21.79                 | 21.85                    | 21.83                  |                     |          |
| 15              | 64QAM      | 1       | 37        | 21.71                 | 21.74                    | 21.61                  | 22                  | 3        |
| 15              | 64QAM      | 1       | 74        | 21.56                 | 21.69                    | 21.60                  |                     |          |
| 15              | 64QAM      | 36      | 0         | 20.62                 | 20.74                    | 20.59                  |                     |          |
| 15              | 64QAM      | 36      | 20        | 20.52                 | 20.69                    | 20.66                  | 20                  | 5        |
| 15              | 64QAM      | 36      | 39        | 20.53                 | 20.65                    | 20.54                  |                     |          |
| 15              | 64QAM      | 75      | 0         | 20.67                 | 20.77                    | 20.61                  |                     |          |
| 15              | 256QAM     | 1       | 0         | 18.63                 | 18.68                    | 18.60                  | 20                  | 5        |
| 15              | 256QAM     | 1       | 37        | 18.63                 | 18.63                    | 18.63                  |                     |          |
| 15              | 256QAM     | 1       | 74        | 18.68                 | 18.61                    | 18.59                  |                     |          |
| 15              | 256QAM     | 36      | 0         | 18.70                 | 18.75                    | 18.72                  | 20                  | 5        |
| 15              | 256QAM     | 36      | 20        | 18.67                 | 18.73                    | 18.65                  |                     |          |
| 15              | 256QAM     | 36      | 39        | 18.70                 | 18.74                    | 18.58                  |                     |          |
| 15              | 256QAM     | 75      | 0         | 18.73                 | 18.77                    | 18.68                  |                     |          |
| Channel         |            |         |           | 26740                 | 26865                    | 26990                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 819                   | 831.5                    | 844                    |                     |          |
| 10              | QPSK       | 1       | 0         | 23.70                 | 23.76                    | 23.54                  | 25                  | 0        |
| 10              | QPSK       | 1       | 25        | 23.59                 | 23.67                    | 23.58                  |                     |          |
| 10              | QPSK       | 1       | 49        | 23.43                 | 23.48                    | 23.45                  |                     |          |
| 10              | QPSK       | 25      | 0         | 22.60                 | 22.74                    | 22.60                  | 24                  | 1        |
| 10              | QPSK       | 25      | 12        | 22.40                 | 22.66                    | 22.59                  |                     |          |
| 10              | QPSK       | 25      | 25        | 22.44                 | 22.71                    | 22.60                  |                     |          |
| 10              | QPSK       | 50      | 0         | 22.56                 | 22.67                    | 22.58                  | 24                  | 1        |
| 10              | 16QAM      | 1       | 0         | 22.81                 | 22.84                    | 22.77                  |                     |          |
| 10              | 16QAM      | 1       | 25        | 22.76                 | 22.89                    | 22.72                  |                     |          |
| 10              | 16QAM      | 1       | 49        | 22.79                 | 22.84                    | 22.78                  |                     |          |



|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 10              | 16QAM  | 25 | 0  | 21.55 | 21.57 | 21.52 | 23                  | 2        |
| 10              | 16QAM  | 25 | 12 | 21.41 | 21.51 | 21.52 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.50 | 21.51 | 21.52 |                     |          |
| 10              | 16QAM  | 50 | 0  | 21.59 | 21.65 | 21.58 | 23                  | 2        |
| 10              | 64QAM  | 1  | 0  | 21.73 | 21.79 | 21.72 |                     |          |
| 10              | 64QAM  | 1  | 25 | 21.65 | 21.70 | 21.55 |                     |          |
| 10              | 64QAM  | 1  | 49 | 21.53 | 21.62 | 21.51 | 22                  | 3        |
| 10              | 64QAM  | 25 | 0  | 20.50 | 20.70 | 20.43 |                     |          |
| 10              | 64QAM  | 25 | 12 | 20.48 | 20.67 | 20.60 |                     |          |
| 10              | 64QAM  | 25 | 25 | 20.39 | 20.57 | 20.41 | 20                  | 5        |
| 10              | 64QAM  | 50 | 0  | 20.58 | 20.71 | 20.48 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.57 | 18.69 | 18.69 |                     |          |
| 10              | 256QAM | 1  | 25 | 18.50 | 18.67 | 18.64 | 20                  | 5        |
| 10              | 256QAM | 1  | 49 | 18.65 | 18.64 | 18.49 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.67 | 18.85 | 18.69 |                     |          |
| 10              | 256QAM | 25 | 12 | 18.71 | 18.63 | 18.61 | 20                  | 5        |
| 10              | 256QAM | 25 | 25 | 18.71 | 18.74 | 18.65 |                     |          |
| 10              | 256QAM | 50 | 0  | 18.74 | 18.76 | 18.70 |                     |          |
| Channel         |        |    |    | 26715 | 26865 | 27015 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 816.5 | 831.5 | 846.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 23.71 | 23.64 | 23.55 | 25                  | 0        |
| 5               | QPSK   | 1  | 12 | 23.64 | 23.59 | 23.64 |                     |          |
| 5               | QPSK   | 1  | 24 | 23.51 | 23.61 | 23.46 |                     |          |
| 5               | QPSK   | 12 | 0  | 22.63 | 22.62 | 22.59 | 24                  | 1        |
| 5               | QPSK   | 12 | 7  | 22.49 | 22.67 | 22.49 |                     |          |
| 5               | QPSK   | 12 | 13 | 22.55 | 22.56 | 22.50 |                     |          |
| 5               | QPSK   | 25 | 0  | 22.52 | 22.64 | 22.54 | 24                  | 1        |
| 5               | 16QAM  | 1  | 0  | 22.83 | 22.86 | 22.79 |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.80 | 22.83 | 22.72 |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.76 | 22.88 | 22.77 | 23                  | 2        |
| 5               | 16QAM  | 12 | 0  | 21.53 | 21.59 | 21.45 |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.43 | 21.54 | 21.54 |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.44 | 21.55 | 21.42 | 23                  | 2        |
| 5               | 16QAM  | 25 | 0  | 21.46 | 21.68 | 21.46 |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.73 | 21.78 | 21.66 |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.57 | 21.59 | 21.53 | 23                  | 2        |
| 5               | 64QAM  | 1  | 24 | 21.44 | 21.65 | 21.52 |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.54 | 20.58 | 20.42 |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.39 | 20.62 | 20.63 | 22                  | 3        |
| 5               | 64QAM  | 12 | 13 | 20.50 | 20.52 | 20.44 |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.53 | 20.65 | 20.44 |                     |          |
| 5               | 256QAM | 1  | 0  | 18.50 | 18.68 | 18.58 | 20                  | 5        |
| 5               | 256QAM | 1  | 12 | 18.50 | 18.61 | 18.52 |                     |          |
| 5               | 256QAM | 1  | 24 | 18.56 | 18.61 | 18.48 |                     |          |
| 5               | 256QAM | 12 | 0  | 18.73 | 18.86 | 18.65 | 20                  | 5        |
| 5               | 256QAM | 12 | 7  | 18.70 | 18.78 | 18.61 |                     |          |
| 5               | 256QAM | 12 | 13 | 18.72 | 18.74 | 18.58 |                     |          |





|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 5               | 256QAM | 25 | 0  | 18.68 | 18.72 | 18.73 |                     |          |
| Channel         |        |    |    | 26705 | 26865 | 27025 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 815.5 | 831.5 | 847.5 |                     |          |
| 3               | QPSK   | 1  | 0  | 23.63 | 23.62 | 23.62 | 25                  | 0        |
| 3               | QPSK   | 1  | 8  | 23.55 | 23.67 | 23.60 |                     |          |
| 3               | QPSK   | 1  | 14 | 23.43 | 23.55 | 23.37 |                     |          |
| 3               | QPSK   | 8  | 0  | 22.52 | 22.73 | 22.53 | 24                  | 1        |
| 3               | QPSK   | 8  | 4  | 22.44 | 22.68 | 22.56 |                     |          |
| 3               | QPSK   | 8  | 7  | 22.45 | 22.57 | 22.58 |                     |          |
| 3               | QPSK   | 15 | 0  | 22.62 | 22.67 | 22.56 | 24                  | 1        |
| 3               | 16QAM  | 1  | 0  | 22.86 | 22.85 | 22.84 |                     |          |
| 3               | 16QAM  | 1  | 8  | 22.70 | 22.88 | 22.66 |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.78 | 22.83 | 22.76 | 23                  | 2        |
| 3               | 16QAM  | 8  | 0  | 21.48 | 21.65 | 21.50 |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.46 | 21.47 | 21.47 |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.47 | 21.55 | 21.41 | 23                  | 2        |
| 3               | 16QAM  | 15 | 0  | 21.55 | 21.70 | 21.55 |                     |          |
| 3               | 64QAM  | 1  | 0  | 21.66 | 21.71 | 21.69 |                     |          |
| 3               | 64QAM  | 1  | 8  | 21.61 | 21.63 | 21.54 | 22                  | 3        |
| 3               | 64QAM  | 1  | 14 | 21.45 | 21.53 | 21.52 |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.51 | 20.65 | 20.56 |                     |          |
| 3               | 64QAM  | 8  | 4  | 20.45 | 20.53 | 20.57 | 20                  | 5        |
| 3               | 64QAM  | 8  | 7  | 20.44 | 20.59 | 20.50 |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.51 | 20.70 | 20.51 |                     |          |
| 3               | 256QAM | 1  | 0  | 18.54 | 18.78 | 18.67 | 20                  | 5        |
| 3               | 256QAM | 1  | 8  | 18.55 | 18.64 | 18.55 |                     |          |
| 3               | 256QAM | 1  | 14 | 18.59 | 18.68 | 18.49 |                     |          |
| 3               | 256QAM | 8  | 0  | 18.75 | 18.85 | 18.74 | 20                  | 5        |
| 3               | 256QAM | 8  | 4  | 18.71 | 18.78 | 18.60 |                     |          |
| 3               | 256QAM | 8  | 7  | 18.63 | 18.82 | 18.61 |                     |          |
| 3               | 256QAM | 15 | 0  | 18.61 | 18.78 | 18.68 |                     |          |
| Channel         |        |    |    | 26697 | 26865 | 27033 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 814.7 | 831.5 | 848.3 |                     |          |
| 1.4             | QPSK   | 1  | 0  | 23.62 | 23.76 | 23.57 | 25                  | 0        |
| 1.4             | QPSK   | 1  | 3  | 23.59 | 23.65 | 23.59 |                     |          |
| 1.4             | QPSK   | 1  | 5  | 23.47 | 23.54 | 23.45 |                     |          |
| 1.4             | QPSK   | 3  | 0  | 23.55 | 23.68 | 23.57 |                     |          |
| 1.4             | QPSK   | 3  | 1  | 23.45 | 23.61 | 23.61 |                     |          |
| 1.4             | QPSK   | 3  | 3  | 23.55 | 23.71 | 23.51 | 24                  | 1        |
| 1.4             | QPSK   | 6  | 0  | 22.59 | 22.70 | 22.61 |                     |          |
| 1.4             | 16QAM  | 1  | 0  | 22.87 | 22.81 | 22.88 | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 3  | 22.81 | 22.83 | 22.71 |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 22.66 | 22.84 | 22.77 |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 22.56 | 22.60 | 22.54 |                     |          |
| 1.4             | 16QAM  | 3  | 1  | 22.43 | 22.49 | 22.51 |                     |          |
| 1.4             | 16QAM  | 3  | 3  | 22.51 | 22.60 | 22.49 | 23                  | 2        |
| 1.4             | 16QAM  | 6  | 0  | 21.50 | 21.70 | 21.50 |                     |          |



**FCC SAR Test Report**

**Report No. : FA311602**

|     |        |   |   |       |       |       |    |   |
|-----|--------|---|---|-------|-------|-------|----|---|
| 1.4 | 64QAM  | 1 | 0 | 21.67 | 21.75 | 21.68 | 23 | 2 |
| 1.4 | 64QAM  | 1 | 3 | 21.56 | 21.57 | 21.49 |    |   |
| 1.4 | 64QAM  | 1 | 5 | 21.49 | 21.60 | 21.57 |    |   |
| 1.4 | 64QAM  | 3 | 0 | 21.60 | 21.60 | 21.54 |    |   |
| 1.4 | 64QAM  | 3 | 1 | 21.37 | 21.62 | 21.60 |    |   |
| 1.4 | 64QAM  | 3 | 3 | 21.38 | 21.62 | 21.44 |    |   |
| 1.4 | 64QAM  | 6 | 0 | 20.54 | 20.70 | 20.57 | 22 | 3 |
| 1.4 | 256QAM | 1 | 0 | 18.58 | 18.75 | 18.60 | 20 | 5 |
| 1.4 | 256QAM | 1 | 3 | 18.62 | 18.69 | 18.61 |    |   |
| 1.4 | 256QAM | 1 | 5 | 18.69 | 18.65 | 18.46 |    |   |
| 1.4 | 256QAM | 3 | 0 | 18.72 | 18.84 | 18.71 |    |   |
| 1.4 | 256QAM | 3 | 1 | 18.61 | 18.72 | 18.62 |    |   |
| 1.4 | 256QAM | 3 | 3 | 18.75 | 18.72 | 18.56 |    |   |
| 1.4 | 256QAM | 6 | 0 | 18.65 | 18.77 | 18.72 | 20 | 5 |



## Band 71 Ant0 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 133222                | 133322                   | 133372                 |                     |          |
| Frequency (MHz) |            |         |           | 673                   | 683                      | 688                    |                     |          |
| 20              | QPSK       | 1       | 0         | 23.80                 | 23.84                    | 23.71                  | 25                  | 0        |
| 20              | QPSK       | 1       | 49        | 23.62                 | 23.68                    | 23.62                  |                     |          |
| 20              | QPSK       | 1       | 99        | 23.60                 | 23.64                    | 23.53                  |                     |          |
| 20              | QPSK       | 50      | 0         | 22.81                 | 22.85                    | 22.82                  | 24                  | 1        |
| 20              | QPSK       | 50      | 24        | 22.68                 | 22.73                    | 22.59                  |                     |          |
| 20              | QPSK       | 50      | 50        | 22.63                 | 22.78                    | 22.64                  |                     |          |
| 20              | QPSK       | 100     | 0         | 22.61                 | 22.72                    | 22.66                  |                     |          |
| 20              | 16QAM      | 1       | 0         | 22.86                 | 22.94                    | 22.85                  | 24                  | 1        |
| 20              | 16QAM      | 1       | 49        | 22.72                 | 22.86                    | 22.69                  |                     |          |
| 20              | 16QAM      | 1       | 99        | 22.65                 | 22.79                    | 22.68                  |                     |          |
| 20              | 16QAM      | 50      | 0         | 21.78                 | 21.83                    | 21.77                  | 23                  | 2        |
| 20              | 16QAM      | 50      | 24        | 21.66                 | 21.68                    | 21.54                  |                     |          |
| 20              | 16QAM      | 50      | 50        | 21.60                 | 21.66                    | 21.52                  |                     |          |
| 20              | 16QAM      | 100     | 0         | 21.60                 | 21.70                    | 21.55                  |                     |          |
| 20              | 64QAM      | 1       | 0         | 21.78                 | 21.89                    | 21.84                  | 23                  | 2        |
| 20              | 64QAM      | 1       | 49        | 21.71                 | 21.86                    | 21.73                  |                     |          |
| 20              | 64QAM      | 1       | 99        | 21.66                 | 21.74                    | 21.62                  |                     |          |
| 20              | 64QAM      | 50      | 0         | 20.75                 | 20.81                    | 20.70                  | 22                  | 3        |
| 20              | 64QAM      | 50      | 24        | 20.63                 | 20.66                    | 20.51                  |                     |          |
| 20              | 64QAM      | 50      | 50        | 20.58                 | 20.64                    | 20.57                  |                     |          |
| 20              | 64QAM      | 100     | 0         | 20.73                 | 20.77                    | 20.75                  |                     |          |
| 20              | 256QAM     | 1       | 0         | 18.56                 | 18.79                    | 18.63                  | 20                  | 5        |
| 20              | 256QAM     | 1       | 49        | 18.67                 | 18.62                    | 18.68                  |                     |          |
| 20              | 256QAM     | 1       | 99        | 18.72                 | 18.74                    | 18.56                  |                     |          |
| 20              | 256QAM     | 50      | 0         | 18.69                 | 18.80                    | 18.78                  | 20                  | 5        |
| 20              | 256QAM     | 50      | 24        | 18.77                 | 18.69                    | 18.76                  |                     |          |
| 20              | 256QAM     | 50      | 50        | 18.74                 | 18.78                    | 18.68                  |                     |          |
| 20              | 256QAM     | 100     | 0         | 18.75                 | 18.73                    | 18.65                  |                     |          |
| Channel         |            |         |           | 133197                | 133297                   | 133397                 |                     |          |
| Frequency (MHz) |            |         |           | 670.5                 | 680.5                    | 690.5                  |                     |          |
| 15              | QPSK       | 1       | 0         | 23.73                 | 23.76                    | 23.57                  | 25                  | 0        |
| 15              | QPSK       | 1       | 37        | 23.49                 | 23.62                    | 23.58                  |                     |          |
| 15              | QPSK       | 1       | 74        | 23.45                 | 23.49                    | 23.39                  |                     |          |
| 15              | QPSK       | 36      | 0         | 22.68                 | 22.75                    | 22.68                  | 24                  | 1        |
| 15              | QPSK       | 36      | 20        | 22.59                 | 22.64                    | 22.56                  |                     |          |
| 15              | QPSK       | 36      | 39        | 22.60                 | 22.66                    | 22.60                  |                     |          |
| 15              | QPSK       | 75      | 0         | 22.44                 | 22.61                    | 22.53                  |                     |          |
| 15              | 16QAM      | 1       | 0         | 22.82                 | 22.87                    | 22.81                  | 24                  | 1        |
| 15              | 16QAM      | 1       | 37        | 22.64                 | 22.76                    | 22.53                  |                     |          |
| 15              | 16QAM      | 1       | 74        | 22.51                 | 22.64                    | 22.65                  |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15              | 16QAM  | 36 | 0  | 21.64  | 21.68  | 21.65  | 23                  | 2        |
| 15              | 16QAM  | 36 | 20 | 21.61  | 21.55  | 21.38  |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.55  | 21.61  | 21.35  |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.55  | 21.68  | 21.38  | 23                  | 2        |
| 15              | 64QAM  | 1  | 0  | 21.74  | 21.75  | 21.81  |                     |          |
| 15              | 64QAM  | 1  | 37 | 21.62  | 21.82  | 21.68  |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.64  | 21.65  | 21.49  | 22                  | 3        |
| 15              | 64QAM  | 36 | 0  | 20.60  | 20.68  | 20.57  |                     |          |
| 15              | 64QAM  | 36 | 20 | 20.55  | 20.64  | 20.36  |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.52  | 20.57  | 20.53  | 20                  | 5        |
| 15              | 64QAM  | 75 | 0  | 20.65  | 20.64  | 20.58  |                     |          |
| 15              | 256QAM | 1  | 0  | 18.63  | 18.80  | 18.70  |                     |          |
| 15              | 256QAM | 1  | 37 | 18.61  | 18.70  | 18.61  | 20                  | 5        |
| 15              | 256QAM | 1  | 74 | 18.72  | 18.73  | 18.61  |                     |          |
| 15              | 256QAM | 36 | 0  | 18.68  | 18.90  | 18.73  |                     |          |
| 15              | 256QAM | 36 | 20 | 18.71  | 18.75  | 18.76  | 20                  | 5        |
| 15              | 256QAM | 36 | 39 | 18.73  | 18.79  | 18.73  |                     |          |
| 15              | 256QAM | 75 | 0  | 18.77  | 18.82  | 18.67  |                     |          |
| Channel         |        |    |    | 133172 | 133272 | 133422 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 668    | 678    | 693    |                     |          |
| 10              | QPSK   | 1  | 0  | 23.77  | 23.79  | 23.63  | 25                  | 0        |
| 10              | QPSK   | 1  | 25 | 23.49  | 23.54  | 23.58  |                     |          |
| 10              | QPSK   | 1  | 49 | 23.51  | 23.61  | 23.48  |                     |          |
| 10              | QPSK   | 25 | 0  | 22.73  | 22.76  | 22.67  | 24                  | 1        |
| 10              | QPSK   | 25 | 12 | 22.60  | 22.67  | 22.42  |                     |          |
| 10              | QPSK   | 25 | 25 | 22.55  | 22.69  | 22.62  |                     |          |
| 10              | QPSK   | 50 | 0  | 22.50  | 22.64  | 22.60  | 24                  | 1        |
| 10              | 16QAM  | 1  | 0  | 22.78  | 22.91  | 22.77  |                     |          |
| 10              | 16QAM  | 1  | 25 | 22.61  | 22.75  | 22.54  |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.53  | 22.70  | 22.59  | 23                  | 2        |
| 10              | 16QAM  | 25 | 0  | 21.66  | 21.76  | 21.64  |                     |          |
| 10              | 16QAM  | 25 | 12 | 21.58  | 21.55  | 21.42  |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.50  | 21.62  | 21.42  | 23                  | 2        |
| 10              | 16QAM  | 50 | 0  | 21.55  | 21.55  | 21.48  |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.61  | 21.75  | 21.72  |                     |          |
| 10              | 64QAM  | 1  | 25 | 21.64  | 21.74  | 21.56  | 23                  | 2        |
| 10              | 64QAM  | 1  | 49 | 21.61  | 21.62  | 21.52  |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.69  | 20.74  | 20.61  |                     |          |
| 10              | 64QAM  | 25 | 12 | 20.58  | 20.51  | 20.39  | 22                  | 3        |
| 10              | 64QAM  | 25 | 25 | 20.56  | 20.47  | 20.45  |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.68  | 20.73  | 20.61  |                     |          |
| 10              | 256QAM | 1  | 0  | 18.66  | 18.72  | 18.72  | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.59  | 18.60  | 18.60  |                     |          |
| 10              | 256QAM | 1  | 49 | 18.70  | 18.77  | 18.59  |                     |          |
| 10              | 256QAM | 25 | 0  | 18.73  | 18.91  | 18.77  | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.71  | 18.75  | 18.66  |                     |          |
| 10              | 256QAM | 25 | 25 | 18.80  | 18.76  | 18.64  |                     |          |



| 10              | 256QAM | 50 | 0  | 18.64  | 18.85  | 18.74  |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| Channel         |        |    |    | 133147 | 133247 | 133447 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 665.5  | 675.5  | 695.5  |                     |          |
| 5               | QPSK   | 1  | 0  | 23.67  | 23.73  | 23.65  | 25                  | 0        |
| 5               | QPSK   | 1  | 12 | 23.53  | 23.59  | 23.58  |                     |          |
| 5               | QPSK   | 1  | 24 | 23.49  | 23.50  | 23.43  |                     |          |
| 5               | QPSK   | 12 | 0  | 22.72  | 22.77  | 22.77  | 24                  | 1        |
| 5               | QPSK   | 12 | 7  | 22.60  | 22.67  | 22.46  |                     |          |
| 5               | QPSK   | 12 | 13 | 22.49  | 22.69  | 22.59  |                     |          |
| 5               | QPSK   | 25 | 0  | 22.52  | 22.69  | 22.58  | 24                  | 1        |
| 5               | 16QAM  | 1  | 0  | 22.72  | 22.84  | 22.77  |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.66  | 22.82  | 22.66  |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.48  | 22.64  | 22.59  | 23                  | 2        |
| 5               | 16QAM  | 12 | 0  | 21.64  | 21.73  | 21.64  |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.51  | 21.65  | 21.39  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.55  | 21.57  | 21.44  | 22                  | 3        |
| 5               | 16QAM  | 25 | 0  | 21.51  | 21.58  | 21.40  |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.75  | 21.73  | 21.75  |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.57  | 21.82  | 21.58  | 23                  | 2        |
| 5               | 64QAM  | 1  | 24 | 21.51  | 21.65  | 21.56  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.73  | 20.71  | 20.64  |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.54  | 20.56  | 20.35  | 20                  | 5        |
| 5               | 64QAM  | 12 | 13 | 20.48  | 20.56  | 20.49  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.62  | 20.66  | 20.65  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.57  | 18.69  | 18.69  | 20                  | 5        |
| 5               | 256QAM | 1  | 12 | 18.61  | 18.72  | 18.70  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.74  | 18.73  | 18.51  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.70  | 18.83  | 18.76  | 20                  | 5        |
| 5               | 256QAM | 12 | 7  | 18.75  | 18.78  | 18.69  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.70  | 18.80  | 18.61  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.76  | 18.86  | 18.78  |                     |          |



| Band 2 Ant1 DSI 1 ENDC |            |         |           |                       |                          |                        |                     |          |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]               | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel                |            |         |           | 18700                 | 18900                    | 19100                  |                     |          |
| Frequency (MHz)        |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |
| 20                     | QPSK       | 1       | 0         | 22.13                 | 22.36                    | 22.22                  | 23.3                | 0        |
| 20                     | QPSK       | 1       | 49        | 22.25                 | 22.27                    | 22.18                  |                     |          |
| 20                     | QPSK       | 1       | 99        | 22.04                 | 22.29                    | 22.05                  |                     |          |
| 20                     | QPSK       | 50      | 0         | 22.25                 | 22.32                    | 22.11                  | 23.3                | 0        |
| 20                     | QPSK       | 50      | 24        | 22.21                 | 22.19                    | 22.13                  |                     |          |
| 20                     | QPSK       | 50      | 50        | 22.27                 | 22.21                    | 21.96                  |                     |          |
| 20                     | QPSK       | 100     | 0         | 22.01                 | 22.17                    | 21.97                  | 23.3                | 0        |
| 20                     | 16QAM      | 1       | 0         | 21.94                 | 22.03                    | 21.70                  |                     |          |
| 20                     | 16QAM      | 1       | 49        | 21.92                 | 21.85                    | 21.88                  |                     |          |
| 20                     | 16QAM      | 1       | 99        | 21.69                 | 21.88                    | 21.93                  | 23                  | 0.3      |
| 20                     | 16QAM      | 50      | 0         | 21.78                 | 21.92                    | 21.72                  |                     |          |
| 20                     | 16QAM      | 50      | 24        | 21.76                 | 21.92                    | 21.89                  |                     |          |
| 20                     | 16QAM      | 50      | 50        | 21.71                 | 21.87                    | 21.73                  | 23                  | 0.3      |
| 20                     | 16QAM      | 100     | 0         | 21.88                 | 21.97                    | 21.87                  |                     |          |
| 20                     | 64QAM      | 1       | 0         | 22.29                 | 22.33                    | 22.33                  |                     |          |
| 20                     | 64QAM      | 1       | 49        | 22.33                 | 22.35                    | 22.30                  | 22                  | 1.3      |
| 20                     | 64QAM      | 1       | 99        | 22.26                 | 22.35                    | 22.15                  |                     |          |
| 20                     | 64QAM      | 50      | 0         | 20.92                 | 20.98                    | 20.77                  |                     |          |
| 20                     | 64QAM      | 50      | 24        | 20.97                 | 20.97                    | 20.77                  | 20                  | 3.3      |
| 20                     | 64QAM      | 50      | 50        | 20.74                 | 20.93                    | 20.74                  |                     |          |
| 20                     | 64QAM      | 100     | 0         | 20.87                 | 20.92                    | 20.86                  |                     |          |
| 20                     | 256QAM     | 1       | 0         | 18.89                 | 18.92                    | 18.81                  | 20                  | 3.3      |
| 20                     | 256QAM     | 1       | 49        | 18.68                 | 18.89                    | 18.90                  |                     |          |
| 20                     | 256QAM     | 1       | 99        | 18.65                 | 18.85                    | 18.74                  |                     |          |
| 20                     | 256QAM     | 50      | 0         | 18.73                 | 18.94                    | 18.88                  | 20                  | 3.3      |
| 20                     | 256QAM     | 50      | 24        | 18.78                 | 18.98                    | 18.77                  |                     |          |
| 20                     | 256QAM     | 50      | 50        | 18.88                 | 18.92                    | 18.80                  |                     |          |
| 20                     | 256QAM     | 100     | 0         | 18.75                 | 18.95                    | 18.94                  | 23.3                | 0        |
| 15                     | QPSK       | 1       | 0         | 21.82                 | 22.05                    | 22.00                  |                     |          |
| 15                     | QPSK       | 1       | 37        | 22.04                 | 22.05                    | 22.00                  |                     |          |
| 15                     | QPSK       | 1       | 74        | 21.90                 | 22.04                    | 21.89                  | 23.3                | 0        |
| 15                     | QPSK       | 36      | 0         | 22.10                 | 22.08                    | 21.83                  |                     |          |
| 15                     | QPSK       | 36      | 20        | 22.18                 | 21.97                    | 21.95                  |                     |          |
| 15                     | QPSK       | 36      | 39        | 22.07                 | 21.96                    | 21.85                  | 23.3                | 0        |
| 15                     | QPSK       | 75      | 0         | 21.75                 | 21.96                    | 21.71                  |                     |          |
| 15                     | 16QAM      | 1       | 0         | 21.78                 | 21.78                    | 21.57                  |                     |          |
| 15                     | 16QAM      | 1       | 37        | 21.64                 | 21.55                    | 21.75                  |                     |          |
| Channel                |            |         |           | 18675                 | 18900                    | 19125                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)        |            |         |           | 1857.5                | 1880                     | 1902.5                 |                     |          |



|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 15              | 16QAM  | 1  | 74 | 21.40 | 21.64 | 21.78 |                     |          |
| 15              | 16QAM  | 36 | 0  | 21.71 | 21.93 | 21.57 | 23                  | 0.3      |
| 15              | 16QAM  | 36 | 20 | 21.62 | 21.74 | 21.72 |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.50 | 21.66 | 21.75 |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.83 | 21.89 | 21.65 | 23                  | 0.3      |
| 15              | 64QAM  | 1  | 0  | 22.23 | 22.30 | 22.20 |                     |          |
| 15              | 64QAM  | 1  | 37 | 22.24 | 22.32 | 22.28 |                     |          |
| 15              | 64QAM  | 1  | 74 | 22.25 | 22.34 | 22.08 | 22                  | 1.3      |
| 15              | 64QAM  | 36 | 0  | 20.83 | 20.97 | 20.61 |                     |          |
| 15              | 64QAM  | 36 | 20 | 20.93 | 20.97 | 20.63 |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.68 | 20.91 | 20.54 | 20                  | 3.3      |
| 15              | 64QAM  | 75 | 0  | 20.88 | 20.75 | 20.83 |                     |          |
| 15              | 256QAM | 1  | 0  | 18.69 | 18.82 | 18.79 |                     |          |
| 15              | 256QAM | 1  | 37 | 18.58 | 18.82 | 18.89 | 20                  | 3.3      |
| 15              | 256QAM | 1  | 74 | 18.52 | 18.72 | 18.69 |                     |          |
| 15              | 256QAM | 36 | 0  | 18.68 | 18.73 | 18.67 |                     |          |
| 15              | 256QAM | 36 | 20 | 18.70 | 18.82 | 18.62 | 20                  | 3.3      |
| 15              | 256QAM | 36 | 39 | 18.90 | 18.82 | 18.64 |                     |          |
| 15              | 256QAM | 75 | 0  | 18.61 | 18.94 | 18.90 |                     |          |
| Channel         |        |    |    | 18650 | 18900 | 19150 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1855  | 1880  | 1905  |                     |          |
| 10              | QPSK   | 1  | 0  | 21.90 | 22.05 | 22.02 | 23.3                | 0        |
| 10              | QPSK   | 1  | 25 | 22.00 | 22.05 | 21.91 |                     |          |
| 10              | QPSK   | 1  | 49 | 21.92 | 22.10 | 21.96 |                     |          |
| 10              | QPSK   | 25 | 0  | 22.16 | 22.06 | 22.00 | 23.3                | 0        |
| 10              | QPSK   | 25 | 12 | 22.10 | 21.97 | 21.89 |                     |          |
| 10              | QPSK   | 25 | 25 | 22.02 | 22.02 | 21.85 |                     |          |
| 10              | QPSK   | 50 | 0  | 21.69 | 22.08 | 21.85 | 23.3                | 0        |
| 10              | 16QAM  | 1  | 0  | 21.79 | 21.87 | 21.47 |                     |          |
| 10              | 16QAM  | 1  | 25 | 21.73 | 21.56 | 21.74 |                     |          |
| 10              | 16QAM  | 1  | 49 | 21.56 | 21.64 | 21.63 | 23                  | 0.3      |
| 10              | 16QAM  | 25 | 0  | 21.75 | 21.87 | 21.61 |                     |          |
| 10              | 16QAM  | 25 | 12 | 21.59 | 21.84 | 21.79 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.60 | 21.72 | 21.60 | 23                  | 0.3      |
| 10              | 16QAM  | 50 | 0  | 21.76 | 21.76 | 21.80 |                     |          |
| 10              | 64QAM  | 1  | 0  | 22.28 | 22.31 | 22.29 |                     |          |
| 10              | 64QAM  | 1  | 25 | 22.29 | 22.15 | 22.09 | 23                  | 0.3      |
| 10              | 64QAM  | 1  | 49 | 22.10 | 22.31 | 22.09 |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.83 | 20.77 | 20.73 |                     |          |
| 10              | 64QAM  | 25 | 12 | 20.93 | 20.76 | 20.64 | 22                  | 1.3      |
| 10              | 64QAM  | 25 | 25 | 20.56 | 20.93 | 20.69 |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.71 | 20.91 | 20.72 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.83 | 18.90 | 18.75 | 20                  | 3.3      |
| 10              | 256QAM | 1  | 25 | 18.51 | 18.88 | 18.89 |                     |          |
| 10              | 256QAM | 1  | 49 | 18.54 | 18.69 | 18.73 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.53 | 18.81 | 18.78 | 20                  | 3.3      |
| 10              | 256QAM | 25 | 12 | 18.68 | 18.87 | 18.63 |                     |          |



|                 |        |    |    |        |       |        |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 10              | 256QAM | 25 | 25 | 18.89  | 18.88 | 18.64  |                     |          |
| 10              | 256QAM | 50 | 0  | 18.77  | 18.88 | 18.94  |                     |          |
| Channel         |        |    |    | 18625  | 18900 | 19175  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1907.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 21.94  | 22.16 | 22.08  | 23.3                | 0        |
| 5               | QPSK   | 1  | 12 | 21.99  | 21.97 | 21.97  |                     |          |
| 5               | QPSK   | 1  | 24 | 21.89  | 22.16 | 21.96  |                     |          |
| 5               | QPSK   | 12 | 0  | 22.08  | 21.97 | 21.96  | 23.3                | 0        |
| 5               | QPSK   | 12 | 7  | 22.13  | 21.90 | 21.88  |                     |          |
| 5               | QPSK   | 12 | 13 | 22.15  | 21.90 | 21.77  |                     |          |
| 5               | QPSK   | 25 | 0  | 21.70  | 21.97 | 21.76  | 23.3                | 0        |
| 5               | 16QAM  | 1  | 0  | 21.70  | 21.93 | 21.57  |                     |          |
| 5               | 16QAM  | 1  | 12 | 21.67  | 21.60 | 21.60  |                     |          |
| 5               | 16QAM  | 1  | 24 | 21.45  | 21.76 | 21.64  | 23                  | 0.3      |
| 5               | 16QAM  | 12 | 0  | 21.62  | 21.74 | 21.55  |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.74  | 21.86 | 21.77  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.68  | 21.77 | 21.71  | 23                  | 0.3      |
| 5               | 16QAM  | 25 | 0  | 21.72  | 21.78 | 21.73  |                     |          |
| 5               | 64QAM  | 1  | 0  | 22.21  | 22.28 | 22.30  |                     |          |
| 5               | 64QAM  | 1  | 12 | 22.30  | 22.21 | 22.14  | 23                  | 0.3      |
| 5               | 64QAM  | 1  | 24 | 22.17  | 22.29 | 22.01  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.92  | 20.83 | 20.65  |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.89  | 20.78 | 20.58  | 22                  | 1.3      |
| 5               | 64QAM  | 12 | 13 | 20.55  | 20.83 | 20.63  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.70  | 20.91 | 20.67  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.85  | 18.84 | 18.68  | 20                  | 3.3      |
| 5               | 256QAM | 1  | 12 | 18.67  | 18.81 | 18.87  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.56  | 18.71 | 18.56  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.67  | 18.84 | 18.68  | 20                  | 3.3      |
| 5               | 256QAM | 12 | 7  | 18.79  | 18.93 | 18.56  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.87  | 18.80 | 18.66  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.64  | 18.74 | 18.85  | 20                  | 3.3      |
| Channel         |        |    |    | 18615  | 18900 | 19185  |                     |          |
| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1908.5 | Tune-up limit (dBm) | MPR (dB) |
| 3               | QPSK   | 1  | 0  | 21.81  | 22.06 | 22.01  |                     |          |
| 3               | QPSK   | 1  | 8  | 22.02  | 21.99 | 21.87  | 23.3                | 0        |
| 3               | QPSK   | 1  | 14 | 21.78  | 22.18 | 21.82  |                     |          |
| 3               | QPSK   | 8  | 0  | 22.06  | 22.11 | 21.87  |                     |          |
| 3               | QPSK   | 8  | 4  | 22.12  | 22.10 | 21.92  | 23.3                | 0        |
| 3               | QPSK   | 8  | 7  | 21.97  | 22.08 | 21.70  |                     |          |
| 3               | QPSK   | 15 | 0  | 21.83  | 21.98 | 21.66  |                     |          |
| 3               | 16QAM  | 1  | 0  | 21.64  | 21.83 | 21.39  | 23.3                | 0        |
| 3               | 16QAM  | 1  | 8  | 21.83  | 21.73 | 21.76  |                     |          |
| 3               | 16QAM  | 1  | 14 | 21.41  | 21.68 | 21.71  |                     |          |
| 3               | 16QAM  | 8  | 0  | 21.68  | 21.85 | 21.56  | 23                  | 0.3      |
| 3               | 16QAM  | 8  | 4  | 21.62  | 21.79 | 21.88  |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.53  | 21.88 | 21.51  |                     |          |





|                 |        |    |    |        |       |        |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 3               | 16QAM  | 15 | 0  | 21.83  | 21.88 | 21.71  |                     |          |
| 3               | 64QAM  | 1  | 0  | 22.08  | 22.32 | 22.16  | 23                  | 0.3      |
| 3               | 64QAM  | 1  | 8  | 22.27  | 22.14 | 22.21  |                     |          |
| 3               | 64QAM  | 1  | 14 | 22.28  | 22.17 | 22.10  |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.93  | 20.82 | 20.70  | 22                  | 1.3      |
| 3               | 64QAM  | 8  | 4  | 20.86  | 20.84 | 20.65  |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.72  | 20.95 | 20.75  |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.71  | 20.72 | 20.68  |                     |          |
| 3               | 256QAM | 1  | 0  | 18.90  | 18.88 | 18.74  | 20                  | 3.3      |
| 3               | 256QAM | 1  | 8  | 18.59  | 18.89 | 18.85  |                     |          |
| 3               | 256QAM | 1  | 14 | 18.48  | 18.74 | 18.63  |                     |          |
| 3               | 256QAM | 8  | 0  | 18.55  | 18.82 | 18.74  | 20                  | 3.3      |
| 3               | 256QAM | 8  | 4  | 18.78  | 18.82 | 18.78  |                     |          |
| 3               | 256QAM | 8  | 7  | 18.71  | 18.90 | 18.69  |                     |          |
| 3               | 256QAM | 15 | 0  | 18.76  | 18.82 | 18.87  |                     |          |
| Channel         |        |    |    | 18607  | 18900 | 19193  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1909.3 |                     |          |
| 1.4             | QPSK   | 1  | 0  | 21.99  | 22.17 | 22.09  | 23.3                | 0        |
| 1.4             | QPSK   | 1  | 3  | 22.12  | 21.97 | 21.87  |                     |          |
| 1.4             | QPSK   | 1  | 5  | 21.81  | 22.06 | 21.86  |                     |          |
| 1.4             | QPSK   | 3  | 0  | 22.17  | 22.11 | 21.89  |                     |          |
| 1.4             | QPSK   | 3  | 1  | 22.03  | 22.06 | 22.04  |                     |          |
| 1.4             | QPSK   | 3  | 3  | 22.08  | 21.94 | 21.84  |                     |          |
| 1.4             | QPSK   | 6  | 0  | 21.72  | 21.92 | 21.83  | 23.3                | 0        |
| 1.4             | 16QAM  | 1  | 0  | 21.86  | 21.78 | 21.46  | 23.3                | 0        |
| 1.4             | 16QAM  | 1  | 3  | 21.66  | 21.71 | 21.62  |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 21.46  | 21.62 | 21.71  |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 21.84  | 22.13 | 21.97  |                     |          |
| 1.4             | 16QAM  | 3  | 1  | 22.03  | 22.15 | 22.00  |                     |          |
| 1.4             | 16QAM  | 3  | 3  | 21.73  | 22.11 | 21.73  |                     |          |
| 1.4             | 16QAM  | 6  | 0  | 21.73  | 21.89 | 21.74  | 23                  | 0.3      |
| 1.4             | 64QAM  | 1  | 0  | 21.70  | 21.93 | 21.88  | 23                  | 0.3      |
| 1.4             | 64QAM  | 1  | 3  | 21.71  | 21.67 | 21.70  |                     |          |
| 1.4             | 64QAM  | 1  | 5  | 21.88  | 21.93 | 21.88  |                     |          |
| 1.4             | 64QAM  | 3  | 0  | 22.23  | 22.25 | 22.18  |                     |          |
| 1.4             | 64QAM  | 3  | 1  | 22.12  | 22.26 | 22.21  |                     |          |
| 1.4             | 64QAM  | 3  | 3  | 22.11  | 22.19 | 22.09  |                     |          |
| 1.4             | 64QAM  | 6  | 0  | 20.84  | 20.87 | 20.59  | 22                  | 1.3      |
| 1.4             | 256QAM | 1  | 0  | 18.70  | 18.90 | 18.81  | 20                  | 3.3      |
| 1.4             | 256QAM | 1  | 3  | 18.47  | 18.83 | 18.86  |                     |          |
| 1.4             | 256QAM | 1  | 5  | 18.62  | 18.64 | 18.61  |                     |          |
| 1.4             | 256QAM | 3  | 0  | 18.62  | 18.87 | 18.77  |                     |          |
| 1.4             | 256QAM | 3  | 1  | 18.56  | 18.83 | 18.64  |                     |          |
| 1.4             | 256QAM | 3  | 3  | 18.84  | 18.81 | 18.80  |                     |          |
| 1.4             | 256QAM | 6  | 0  | 18.72  | 18.81 | 18.96  | 20                  | 3.3      |



| Band 4 Ant1 DSI 1 ENDC |            |         |           |                       |                          |                        |                     |          |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]               | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel                |            |         |           | 20050                 | 20175                    | 20300                  |                     |          |
| Frequency (MHz)        |            |         |           | 1720                  | 1732.5                   | 1745                   |                     |          |
| 20                     | QPSK       | 1       | 0         | 21.68                 | 21.86                    | 21.69                  | 23.1                | 0        |
| 20                     | QPSK       | 1       | 49        | 21.62                 | 21.73                    | 21.68                  |                     |          |
| 20                     | QPSK       | 1       | 99        | 21.60                 | 21.58                    | 21.52                  |                     |          |
| 20                     | QPSK       | 50      | 0         | 21.58                 | 21.78                    | 21.60                  | 23.1                | 0        |
| 20                     | QPSK       | 50      | 24        | 21.60                 | 21.75                    | 21.59                  |                     |          |
| 20                     | QPSK       | 50      | 50        | 21.49                 | 21.75                    | 21.73                  |                     |          |
| 20                     | QPSK       | 100     | 0         | 21.53                 | 21.63                    | 21.56                  | 23.1                | 0        |
| 20                     | 16QAM      | 1       | 0         | 21.47                 | 21.48                    | 21.67                  |                     |          |
| 20                     | 16QAM      | 1       | 49        | 21.17                 | 21.41                    | 21.34                  |                     |          |
| 20                     | 16QAM      | 1       | 99        | 21.52                 | 21.63                    | 21.50                  | 23                  | 0.1      |
| 20                     | 16QAM      | 50      | 0         | 21.38                 | 21.63                    | 21.55                  |                     |          |
| 20                     | 16QAM      | 50      | 24        | 21.49                 | 21.73                    | 21.75                  |                     |          |
| 20                     | 16QAM      | 50      | 50        | 21.52                 | 21.71                    | 21.74                  | 23                  | 0.1      |
| 20                     | 16QAM      | 100     | 0         | 21.67                 | 21.85                    | 21.65                  |                     |          |
| 20                     | 64QAM      | 1       | 0         | 21.46                 | 21.81                    | 21.60                  |                     |          |
| 20                     | 64QAM      | 1       | 49        | 21.73                 | 21.66                    | 21.76                  | 22                  | 1.1      |
| 20                     | 64QAM      | 1       | 99        | 21.71                 | 21.79                    | 21.71                  |                     |          |
| 20                     | 64QAM      | 50      | 0         | 20.85                 | 20.99                    | 20.94                  |                     |          |
| 20                     | 64QAM      | 50      | 24        | 20.86                 | 20.91                    | 20.69                  | 20                  | 3.1      |
| 20                     | 64QAM      | 50      | 50        | 20.99                 | 21.00                    | 21.00                  |                     |          |
| 20                     | 64QAM      | 100     | 0         | 20.73                 | 20.88                    | 20.77                  |                     |          |
| 20                     | 256QAM     | 1       | 0         | 18.64                 | 18.85                    | 18.64                  | 20                  | 3.1      |
| 20                     | 256QAM     | 1       | 49        | 18.78                 | 18.91                    | 18.83                  |                     |          |
| 20                     | 256QAM     | 1       | 99        | 18.70                 | 18.86                    | 18.79                  |                     |          |
| 20                     | 256QAM     | 50      | 0         | 18.89                 | 18.93                    | 18.77                  | 20                  | 3.1      |
| 20                     | 256QAM     | 50      | 24        | 18.65                 | 18.85                    | 18.71                  |                     |          |
| 20                     | 256QAM     | 50      | 50        | 18.78                 | 18.88                    | 18.78                  |                     |          |
| 20                     | 256QAM     | 100     | 0         | 18.75                 | 18.87                    | 18.84                  |                     |          |
| Channel                |            |         |           | 20025                 | 20175                    | 20325                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)        |            |         |           | 1717.5                | 1732.5                   | 1747.5                 |                     |          |
| 15                     | QPSK       | 1       | 0         | 21.50                 | 21.71                    | 21.65                  | 23.1                | 0        |
| 15                     | QPSK       | 1       | 37        | 21.53                 | 21.58                    | 21.51                  |                     |          |
| 15                     | QPSK       | 1       | 74        | 21.37                 | 21.44                    | 21.32                  |                     |          |
| 15                     | QPSK       | 36      | 0         | 21.43                 | 21.67                    | 21.50                  | 23.1                | 0        |
| 15                     | QPSK       | 36      | 20        | 21.57                 | 21.50                    | 21.43                  |                     |          |
| 15                     | QPSK       | 36      | 39        | 21.34                 | 21.67                    | 21.47                  |                     |          |
| 15                     | QPSK       | 75      | 0         | 21.42                 | 21.53                    | 21.45                  | 23.1                | 0        |
| 15                     | 16QAM      | 1       | 0         | 21.31                 | 21.43                    | 21.44                  |                     |          |
| 15                     | 16QAM      | 1       | 37        | 21.14                 | 21.22                    | 21.27                  |                     |          |



|                 |        |    |    |       |        |       |                     |          |
|-----------------|--------|----|----|-------|--------|-------|---------------------|----------|
| 15              | 16QAM  | 1  | 74 | 21.36 | 21.53  | 21.34 |                     |          |
| 15              | 16QAM  | 36 | 0  | 21.14 | 21.51  | 21.32 | 23                  | 0.1      |
| 15              | 16QAM  | 36 | 20 | 21.21 | 21.64  | 21.64 |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.37 | 21.44  | 21.59 |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.49 | 21.66  | 21.34 | 23                  | 0.1      |
| 15              | 64QAM  | 1  | 0  | 21.33 | 21.61  | 21.40 |                     |          |
| 15              | 64QAM  | 1  | 37 | 21.63 | 21.58  | 21.51 |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.45 | 21.65  | 21.46 | 22                  | 1.1      |
| 15              | 64QAM  | 36 | 0  | 20.84 | 20.78  | 20.85 |                     |          |
| 15              | 64QAM  | 36 | 20 | 20.65 | 20.83  | 20.57 |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.89 | 20.95  | 20.94 | 20                  | 3.1      |
| 15              | 64QAM  | 75 | 0  | 20.52 | 20.76  | 20.66 |                     |          |
| 15              | 256QAM | 1  | 0  | 18.65 | 18.73  | 18.54 |                     |          |
| 15              | 256QAM | 1  | 37 | 18.61 | 18.82  | 18.63 | 20                  | 3.1      |
| 15              | 256QAM | 1  | 74 | 18.60 | 18.75  | 18.62 |                     |          |
| 15              | 256QAM | 36 | 0  | 18.68 | 18.94  | 18.78 |                     |          |
| 15              | 256QAM | 36 | 20 | 18.57 | 18.75  | 18.67 | 20                  | 3.1      |
| 15              | 256QAM | 36 | 39 | 18.61 | 18.76  | 18.63 |                     |          |
| 15              | 256QAM | 75 | 0  | 18.69 | 18.69  | 18.80 |                     |          |
| Channel         |        |    |    | 20000 | 20175  | 20350 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1715  | 1732.5 | 1750  |                     |          |
| 10              | QPSK   | 1  | 0  | 21.60 | 21.67  | 21.45 | 23.1                | 0        |
| 10              | QPSK   | 1  | 25 | 21.59 | 21.48  | 21.49 |                     |          |
| 10              | QPSK   | 1  | 49 | 21.44 | 21.43  | 21.26 |                     |          |
| 10              | QPSK   | 25 | 0  | 21.51 | 21.66  | 21.53 | 23.1                | 0        |
| 10              | QPSK   | 25 | 12 | 21.37 | 21.49  | 21.41 |                     |          |
| 10              | QPSK   | 25 | 25 | 21.39 | 21.60  | 21.51 |                     |          |
| 10              | QPSK   | 50 | 0  | 21.39 | 21.52  | 21.52 | 23.1                | 0        |
| 10              | 16QAM  | 1  | 0  | 21.25 | 21.43  | 21.51 |                     |          |
| 10              | 16QAM  | 1  | 25 | 21.18 | 21.20  | 21.28 |                     |          |
| 10              | 16QAM  | 1  | 49 | 21.35 | 21.38  | 21.47 | 23                  | 0.1      |
| 10              | 16QAM  | 25 | 0  | 21.18 | 21.49  | 21.37 |                     |          |
| 10              | 16QAM  | 25 | 12 | 21.35 | 21.44  | 21.45 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.41 | 21.42  | 21.59 | 23                  | 0.1      |
| 10              | 16QAM  | 50 | 0  | 21.51 | 21.62  | 21.34 |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.30 | 21.59  | 21.40 |                     |          |
| 10              | 64QAM  | 1  | 25 | 21.58 | 21.53  | 21.67 | 23                  | 0.1      |
| 10              | 64QAM  | 1  | 49 | 21.45 | 21.65  | 21.47 |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.74 | 20.77  | 20.82 |                     |          |
| 10              | 64QAM  | 25 | 12 | 20.87 | 20.84  | 20.48 | 22                  | 1.1      |
| 10              | 64QAM  | 25 | 25 | 20.98 | 20.83  | 20.96 |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.72 | 20.78  | 20.69 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.53 | 18.75  | 18.51 | 20                  | 3.1      |
| 10              | 256QAM | 1  | 25 | 18.75 | 18.74  | 18.79 |                     |          |
| 10              | 256QAM | 1  | 49 | 18.65 | 18.71  | 18.59 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.80 | 18.79  | 18.55 | 20                  | 3.1      |
| 10              | 256QAM | 25 | 12 | 18.44 | 18.71  | 18.51 |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 10              | 256QAM | 25 | 25 | 18.69  | 18.89  | 18.65  |                     |          |
| 10              | 256QAM | 50 | 0  | 18.65  | 18.66  | 18.63  |                     |          |
| Channel         |        |    |    | 19975  | 20175  | 20375  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1712.5 | 1732.5 | 1752.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 21.52  | 21.70  | 21.58  | 23.1                | 0        |
| 5               | QPSK   | 1  | 12 | 21.54  | 21.69  | 21.59  |                     |          |
| 5               | QPSK   | 1  | 24 | 21.51  | 21.34  | 21.45  |                     |          |
| 5               | QPSK   | 12 | 0  | 21.45  | 21.71  | 21.42  | 23.1                | 0        |
| 5               | QPSK   | 12 | 7  | 21.53  | 21.51  | 21.49  |                     |          |
| 5               | QPSK   | 12 | 13 | 21.39  | 21.67  | 21.47  |                     |          |
| 5               | QPSK   | 25 | 0  | 21.40  | 21.46  | 21.39  | 23.1                | 0        |
| 5               | 16QAM  | 1  | 0  | 21.42  | 21.28  | 21.49  |                     |          |
| 5               | 16QAM  | 1  | 12 | 21.14  | 21.23  | 21.26  |                     |          |
| 5               | 16QAM  | 1  | 24 | 21.29  | 21.46  | 21.26  | 23                  | 0.1      |
| 5               | 16QAM  | 12 | 0  | 21.15  | 21.48  | 21.33  |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.25  | 21.47  | 21.56  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.21  | 21.42  | 21.55  | 23                  | 0.1      |
| 5               | 16QAM  | 25 | 0  | 21.38  | 21.75  | 21.38  |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.29  | 21.53  | 21.45  |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.42  | 21.42  | 21.68  | 22                  | 1.1      |
| 5               | 64QAM  | 1  | 24 | 21.57  | 21.55  | 21.52  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.74  | 20.91  | 20.87  |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.87  | 20.70  | 20.67  | 20                  | 3.1      |
| 5               | 64QAM  | 12 | 13 | 20.85  | 20.93  | 20.84  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.57  | 20.81  | 20.71  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.42  | 18.85  | 18.57  | 20                  | 3.1      |
| 5               | 256QAM | 1  | 12 | 18.70  | 18.77  | 18.78  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.59  | 18.78  | 18.77  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.84  | 18.75  | 18.66  | 20                  | 3.1      |
| 5               | 256QAM | 12 | 7  | 18.54  | 18.70  | 18.70  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.58  | 18.89  | 18.70  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.64  | 18.65  | 18.64  |                     |          |
| Channel         |        |    |    | 19965  | 20175  | 20385  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1711.5 | 1732.5 | 1753.5 |                     |          |
| 3               | QPSK   | 1  | 0  | 21.46  | 21.67  | 21.52  | 23.1                | 0        |
| 3               | QPSK   | 1  | 8  | 21.59  | 21.67  | 21.56  |                     |          |
| 3               | QPSK   | 1  | 14 | 21.44  | 21.40  | 21.30  |                     |          |
| 3               | QPSK   | 8  | 0  | 21.38  | 21.77  | 21.57  | 23.1                | 0        |
| 3               | QPSK   | 8  | 4  | 21.52  | 21.55  | 21.39  |                     |          |
| 3               | QPSK   | 8  | 7  | 21.32  | 21.59  | 21.69  |                     |          |
| 3               | QPSK   | 15 | 0  | 21.44  | 21.44  | 21.37  | 23.1                | 0        |
| 3               | 16QAM  | 1  | 0  | 21.23  | 21.42  | 21.54  |                     |          |
| 3               | 16QAM  | 1  | 8  | 21.10  | 21.29  | 21.27  |                     |          |
| 3               | 16QAM  | 1  | 14 | 21.26  | 21.57  | 21.29  | 23                  | 0.1      |
| 3               | 16QAM  | 8  | 0  | 21.25  | 21.40  | 21.28  |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.24  | 21.62  | 21.49  |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.24  | 21.56  | 21.55  |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 3               | 16QAM  | 15 | 0  | 21.53  | 21.67  | 21.46  |                     |          |
| 3               | 64QAM  | 1  | 0  | 21.26  | 21.64  | 21.48  | 23                  | 0.1      |
| 3               | 64QAM  | 1  | 8  | 21.63  | 21.34  | 21.44  |                     |          |
| 3               | 64QAM  | 1  | 14 | 21.56  | 21.67  | 21.62  |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.66  | 20.95  | 20.86  | 22                  | 1.1      |
| 3               | 64QAM  | 8  | 4  | 20.77  | 20.89  | 20.71  |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.85  | 21.01  | 20.79  |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.74  | 20.87  | 20.76  |                     |          |
| 3               | 256QAM | 1  | 0  | 18.44  | 18.81  | 18.58  | 20                  | 3.1      |
| 3               | 256QAM | 1  | 8  | 18.71  | 18.87  | 18.62  |                     |          |
| 3               | 256QAM | 1  | 14 | 18.69  | 18.86  | 18.78  |                     |          |
| 3               | 256QAM | 8  | 0  | 18.68  | 18.77  | 18.75  | 20                  | 3.1      |
| 3               | 256QAM | 8  | 4  | 18.55  | 18.82  | 18.63  |                     |          |
| 3               | 256QAM | 8  | 7  | 18.73  | 18.89  | 18.76  |                     |          |
| 3               | 256QAM | 15 | 0  | 18.55  | 18.70  | 18.68  |                     |          |
| Channel         |        |    |    | 19957  | 20175  | 20393  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1710.7 | 1732.5 | 1754.3 |                     |          |
| 1.4             | QPSK   | 1  | 0  | 21.43  | 21.55  | 21.44  | 23.1                | 0        |
| 1.4             | QPSK   | 1  | 3  | 21.42  | 21.61  | 21.56  |                     |          |
| 1.4             | QPSK   | 1  | 5  | 21.42  | 21.54  | 21.36  |                     |          |
| 1.4             | QPSK   | 3  | 0  | 21.44  | 21.80  | 21.46  |                     |          |
| 1.4             | QPSK   | 3  | 1  | 21.37  | 21.69  | 21.36  |                     |          |
| 1.4             | QPSK   | 3  | 3  | 21.46  | 21.64  | 21.60  |                     |          |
| 1.4             | QPSK   | 6  | 0  | 21.44  | 21.53  | 21.51  | 23.1                | 0        |
| 1.4             | 16QAM  | 1  | 0  | 21.32  | 21.36  | 21.54  | 23.1                | 0        |
| 1.4             | 16QAM  | 1  | 3  | 21.12  | 21.14  | 21.11  |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 21.28  | 21.40  | 21.35  |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 21.61  | 21.71  | 21.65  |                     |          |
| 1.4             | 16QAM  | 3  | 1  | 21.55  | 21.58  | 21.62  |                     |          |
| 1.4             | 16QAM  | 3  | 3  | 21.33  | 21.46  | 21.48  |                     |          |
| 1.4             | 16QAM  | 6  | 0  | 21.17  | 21.55  | 21.32  | 23                  | 0.1      |
| 1.4             | 64QAM  | 1  | 0  | 21.28  | 21.47  | 21.48  | 23                  | 0.1      |
| 1.4             | 64QAM  | 1  | 3  | 21.34  | 21.48  | 21.46  |                     |          |
| 1.4             | 64QAM  | 1  | 5  | 21.43  | 21.64  | 21.33  |                     |          |
| 1.4             | 64QAM  | 3  | 0  | 21.18  | 21.65  | 21.32  |                     |          |
| 1.4             | 64QAM  | 3  | 1  | 21.46  | 21.49  | 21.59  |                     |          |
| 1.4             | 64QAM  | 3  | 3  | 21.47  | 21.66  | 21.49  |                     |          |
| 1.4             | 64QAM  | 6  | 0  | 20.85  | 20.81  | 20.86  | 22                  | 1.1      |
| 1.4             | 256QAM | 1  | 0  | 18.46  | 18.68  | 18.60  | 20                  | 3.1      |
| 1.4             | 256QAM | 1  | 3  | 18.66  | 18.86  | 18.80  |                     |          |
| 1.4             | 256QAM | 1  | 5  | 18.65  | 18.87  | 18.69  |                     |          |
| 1.4             | 256QAM | 3  | 0  | 18.91  | 18.93  | 18.55  |                     |          |
| 1.4             | 256QAM | 3  | 1  | 18.49  | 18.75  | 18.50  |                     |          |
| 1.4             | 256QAM | 3  | 3  | 18.60  | 18.87  | 18.76  |                     |          |
| 1.4             | 256QAM | 6  | 0  | 18.56  | 18.87  | 18.86  | 20                  | 3.1      |



| Band 25 Ant1 DSI 1 ENDC |            |         |           |                       |                          |                        |                     |          |
|-------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]                | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel                 |            |         |           | 26140                 | 26340                    | 26590                  |                     |          |
| Frequency (MHz)         |            |         |           | 1860                  | 1880                     | 1905                   |                     |          |
| 20                      | QPSK       | 1       | 0         | 22.35                 | 22.37                    | 22.25                  | 23.3                | 0        |
| 20                      | QPSK       | 1       | 49        | 22.16                 | 22.22                    | 22.15                  |                     |          |
| 20                      | QPSK       | 1       | 99        | 22.10                 | 22.35                    | 22.27                  |                     |          |
| 20                      | QPSK       | 50      | 0         | 22.03                 | 22.18                    | 22.08                  | 23.3                | 0        |
| 20                      | QPSK       | 50      | 24        | 21.84                 | 22.12                    | 22.14                  |                     |          |
| 20                      | QPSK       | 50      | 50        | 21.97                 | 22.09                    | 22.05                  |                     |          |
| 20                      | QPSK       | 100     | 0         | 22.02                 | 22.11                    | 21.76                  | 23.3                | 0        |
| 20                      | 16QAM      | 1       | 0         | 21.82                 | 21.97                    | 22.01                  |                     |          |
| 20                      | 16QAM      | 1       | 49        | 21.89                 | 21.84                    | 21.63                  |                     |          |
| 20                      | 16QAM      | 1       | 99        | 21.83                 | 21.82                    | 21.84                  | 23                  | 0.3      |
| 20                      | 16QAM      | 50      | 0         | 21.70                 | 21.72                    | 21.59                  |                     |          |
| 20                      | 16QAM      | 50      | 24        | 21.65                 | 21.80                    | 21.66                  |                     |          |
| 20                      | 16QAM      | 50      | 50        | 21.57                 | 21.75                    | 21.72                  | 23                  | 0.3      |
| 20                      | 16QAM      | 100     | 0         | 21.74                 | 21.84                    | 21.66                  |                     |          |
| 20                      | 64QAM      | 1       | 0         | 22.09                 | 22.30                    | 22.15                  |                     |          |
| 20                      | 64QAM      | 1       | 49        | 22.25                 | 22.34                    | 22.27                  | 22                  | 1.3      |
| 20                      | 64QAM      | 1       | 99        | 22.18                 | 22.24                    | 22.05                  |                     |          |
| 20                      | 64QAM      | 50      | 0         | 20.64                 | 20.85                    | 20.81                  |                     |          |
| 20                      | 64QAM      | 50      | 24        | 20.88                 | 20.87                    | 20.73                  | 20                  | 3.3      |
| 20                      | 64QAM      | 50      | 50        | 20.74                 | 20.79                    | 20.65                  |                     |          |
| 20                      | 64QAM      | 100     | 0         | 20.73                 | 20.80                    | 20.77                  |                     |          |
| 20                      | 256QAM     | 1       | 0         | 18.66                 | 18.80                    | 18.65                  | 20                  | 3.3      |
| 20                      | 256QAM     | 1       | 49        | 18.69                 | 18.85                    | 18.67                  |                     |          |
| 20                      | 256QAM     | 1       | 99        | 18.63                 | 18.77                    | 18.69                  |                     |          |
| 20                      | 256QAM     | 50      | 0         | 18.64                 | 18.81                    | 18.67                  | 20                  | 3.3      |
| 20                      | 256QAM     | 50      | 24        | 18.63                 | 18.83                    | 18.70                  |                     |          |
| 20                      | 256QAM     | 50      | 50        | 18.73                 | 18.77                    | 18.74                  |                     |          |
| 20                      | 256QAM     | 100     | 0         | 18.71                 | 18.82                    | 18.65                  |                     |          |
| Channel                 |            |         |           | 26115                 | 26340                    | 26615                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)         |            |         |           | 1857.5                | 1880                     | 1907.5                 |                     |          |
| 15                      | QPSK       | 1       | 0         | 22.13                 | 22.10                    | 22.16                  | 23.3                | 0        |
| 15                      | QPSK       | 1       | 37        | 21.94                 | 22.02                    | 22.06                  |                     |          |
| 15                      | QPSK       | 1       | 74        | 21.89                 | 22.04                    | 22.16                  |                     |          |
| 15                      | QPSK       | 36      | 0         | 21.87                 | 21.87                    | 21.89                  | 23.3                | 0        |
| 15                      | QPSK       | 36      | 20        | 21.55                 | 21.87                    | 21.91                  |                     |          |
| 15                      | QPSK       | 36      | 39        | 21.79                 | 21.79                    | 21.86                  |                     |          |
| 15                      | QPSK       | 75      | 0         | 21.76                 | 21.86                    | 21.68                  | 23.3                | 0        |
| 15                      | 16QAM      | 1       | 0         | 21.56                 | 21.78                    | 21.78                  |                     |          |
| 15                      | 16QAM      | 1       | 37        | 21.68                 | 21.73                    | 21.50                  |                     |          |



|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 15              | 16QAM  | 1  | 74 | 21.51 | 21.72 | 21.70 |                     |          |
| 15              | 16QAM  | 36 | 0  | 21.69 | 21.69 | 21.49 | 23                  | 0.3      |
| 15              | 16QAM  | 36 | 20 | 21.53 | 21.72 | 21.50 |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.55 | 21.64 | 21.72 |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.62 | 21.62 | 21.57 | 23                  | 0.3      |
| 15              | 64QAM  | 1  | 0  | 22.02 | 22.23 | 22.00 |                     |          |
| 15              | 64QAM  | 1  | 37 | 22.22 | 22.33 | 22.10 |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.97 | 22.26 | 21.92 | 22                  | 1.3      |
| 15              | 64QAM  | 36 | 0  | 20.46 | 20.87 | 20.74 |                     |          |
| 15              | 64QAM  | 36 | 20 | 20.84 | 20.69 | 20.57 |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.56 | 20.78 | 20.63 | 20                  | 3.3      |
| 15              | 64QAM  | 75 | 0  | 20.59 | 20.61 | 20.76 |                     |          |
| 15              | 256QAM | 1  | 0  | 18.55 | 18.72 | 18.66 |                     |          |
| 15              | 256QAM | 1  | 37 | 18.50 | 18.67 | 18.46 | 20                  | 3.3      |
| 15              | 256QAM | 1  | 74 | 18.53 | 18.69 | 18.68 |                     |          |
| 15              | 256QAM | 36 | 0  | 18.51 | 18.71 | 18.46 |                     |          |
| 15              | 256QAM | 36 | 20 | 18.61 | 18.65 | 18.56 | 20                  | 3.3      |
| 15              | 256QAM | 36 | 39 | 18.71 | 18.62 | 18.57 |                     |          |
| 15              | 256QAM | 75 | 0  | 18.52 | 18.70 | 18.64 |                     |          |
| Channel         |        |    |    | 26090 | 26340 | 26640 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1855  | 1880  | 1910  |                     |          |
| 10              | QPSK   | 1  | 0  | 22.06 | 22.22 | 21.94 | 23.3                | 0        |
| 10              | QPSK   | 1  | 25 | 21.92 | 22.12 | 21.99 |                     |          |
| 10              | QPSK   | 1  | 49 | 21.87 | 22.18 | 22.07 |                     |          |
| 10              | QPSK   | 25 | 0  | 21.88 | 21.93 | 21.82 | 23.3                | 0        |
| 10              | QPSK   | 25 | 12 | 21.58 | 21.84 | 21.92 |                     |          |
| 10              | QPSK   | 25 | 25 | 21.80 | 21.85 | 21.75 |                     |          |
| 10              | QPSK   | 50 | 0  | 21.92 | 21.88 | 21.47 | 23.3                | 0        |
| 10              | 16QAM  | 1  | 0  | 21.57 | 21.70 | 21.85 |                     |          |
| 10              | 16QAM  | 1  | 25 | 21.68 | 21.55 | 21.46 |                     |          |
| 10              | 16QAM  | 1  | 49 | 21.74 | 21.55 | 21.67 | 23                  | 0.3      |
| 10              | 16QAM  | 25 | 0  | 21.68 | 21.51 | 21.51 |                     |          |
| 10              | 16QAM  | 25 | 12 | 21.45 | 21.67 | 21.62 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.58 | 21.68 | 21.70 | 22                  | 1.3      |
| 10              | 16QAM  | 50 | 0  | 21.53 | 21.71 | 21.56 |                     |          |
| 10              | 64QAM  | 1  | 0  | 22.01 | 22.21 | 22.01 |                     |          |
| 10              | 64QAM  | 1  | 25 | 22.09 | 22.13 | 22.14 | 23                  | 0.3      |
| 10              | 64QAM  | 1  | 49 | 22.09 | 22.22 | 21.92 |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.57 | 20.77 | 20.81 |                     |          |
| 10              | 64QAM  | 25 | 12 | 20.77 | 20.87 | 20.53 | 22                  | 1.3      |
| 10              | 64QAM  | 25 | 25 | 20.71 | 20.65 | 20.45 |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.58 | 20.61 | 20.78 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.61 | 18.59 | 18.45 | 20                  | 3.3      |
| 10              | 256QAM | 1  | 25 | 18.54 | 18.84 | 18.55 |                     |          |
| 10              | 256QAM | 1  | 49 | 18.54 | 18.57 | 18.49 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.57 | 18.82 | 18.53 | 20                  | 3.3      |
| 10              | 256QAM | 25 | 12 | 18.44 | 18.73 | 18.71 |                     |          |



|                 |        |    |    |        |       |        |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 10              | 256QAM | 25 | 25 | 18.59  | 18.61 | 18.62  |                     |          |
| 10              | 256QAM | 50 | 0  | 18.53  | 18.66 | 18.51  |                     |          |
| Channel         |        |    |    | 26065  | 26340 | 26665  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1912.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 22.09  | 22.13 | 22.00  | 23.3                | 0        |
| 5               | QPSK   | 1  | 12 | 22.07  | 21.96 | 21.84  |                     |          |
| 5               | QPSK   | 1  | 24 | 21.82  | 22.11 | 22.12  |                     |          |
| 5               | QPSK   | 12 | 0  | 21.94  | 21.99 | 22.00  | 23.3                | 0        |
| 5               | QPSK   | 12 | 7  | 21.65  | 21.98 | 22.05  |                     |          |
| 5               | QPSK   | 12 | 13 | 21.83  | 21.77 | 21.84  |                     |          |
| 5               | QPSK   | 25 | 0  | 21.71  | 21.91 | 21.56  | 23.3                | 0        |
| 5               | 16QAM  | 1  | 0  | 21.74  | 21.69 | 21.91  |                     |          |
| 5               | 16QAM  | 1  | 12 | 21.57  | 21.58 | 21.49  |                     |          |
| 5               | 16QAM  | 1  | 24 | 21.75  | 21.56 | 21.55  | 23                  | 0.3      |
| 5               | 16QAM  | 12 | 0  | 21.62  | 21.66 | 21.42  |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.66  | 21.82 | 21.60  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.57  | 21.62 | 21.68  | 23                  | 0.3      |
| 5               | 16QAM  | 25 | 0  | 21.75  | 21.85 | 21.54  |                     |          |
| 5               | 64QAM  | 1  | 0  | 22.05  | 22.12 | 22.16  |                     |          |
| 5               | 64QAM  | 1  | 12 | 22.07  | 22.29 | 22.08  | 23                  | 0.3      |
| 5               | 64QAM  | 1  | 24 | 22.04  | 22.08 | 21.86  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.55  | 20.76 | 20.75  |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.75  | 20.68 | 20.54  | 22                  | 1.3      |
| 5               | 64QAM  | 12 | 13 | 20.75  | 20.64 | 20.52  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.57  | 20.69 | 20.71  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.55  | 18.62 | 18.53  | 20                  | 3.3      |
| 5               | 256QAM | 1  | 12 | 18.59  | 18.85 | 18.51  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.62  | 18.57 | 18.55  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.48  | 18.67 | 18.57  | 20                  | 3.3      |
| 5               | 256QAM | 12 | 7  | 18.49  | 18.74 | 18.65  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.63  | 18.66 | 18.68  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.73  | 18.78 | 18.61  |                     |          |
| Channel         |        |    |    | 26055  | 26340 | 26675  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1913.5 |                     |          |
| 3               | QPSK   | 1  | 0  | 22.12  | 22.19 | 21.95  | 23.3                | 0        |
| 3               | QPSK   | 1  | 8  | 21.99  | 22.04 | 22.00  |                     |          |
| 3               | QPSK   | 1  | 14 | 21.82  | 22.06 | 22.05  |                     |          |
| 3               | QPSK   | 8  | 0  | 21.76  | 21.99 | 21.91  | 23.3                | 0        |
| 3               | QPSK   | 8  | 4  | 21.62  | 21.96 | 21.89  |                     |          |
| 3               | QPSK   | 8  | 7  | 21.83  | 21.94 | 21.89  |                     |          |
| 3               | QPSK   | 15 | 0  | 21.92  | 21.99 | 21.49  | 23.3                | 0        |
| 3               | 16QAM  | 1  | 0  | 21.54  | 21.89 | 21.78  |                     |          |
| 3               | 16QAM  | 1  | 8  | 21.72  | 21.53 | 21.44  |                     |          |
| 3               | 16QAM  | 1  | 14 | 21.56  | 21.52 | 21.53  | 23                  | 0.3      |
| 3               | 16QAM  | 8  | 0  | 21.69  | 21.54 | 21.38  |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.56  | 21.72 | 21.48  |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.43  | 21.69 | 21.64  |                     |          |





|                 |        |    |    |        |       |        |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 3               | 16QAM  | 15 | 0  | 21.63  | 21.80 | 21.55  |                     |          |
| 3               | 64QAM  | 1  | 0  | 22.09  | 22.25 | 22.02  | 23                  | 0.3      |
| 3               | 64QAM  | 1  | 8  | 22.09  | 22.19 | 22.26  |                     |          |
| 3               | 64QAM  | 1  | 14 | 22.01  | 22.05 | 21.94  |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.51  | 20.86 | 20.82  | 22                  | 1.3      |
| 3               | 64QAM  | 8  | 4  | 20.76  | 20.82 | 20.54  |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.67  | 20.59 | 20.59  |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.67  | 20.80 | 20.59  |                     |          |
| 3               | 256QAM | 1  | 0  | 18.60  | 18.62 | 18.51  | 20                  | 3.3      |
| 3               | 256QAM | 1  | 8  | 18.56  | 18.63 | 18.60  |                     |          |
| 3               | 256QAM | 1  | 14 | 18.56  | 18.57 | 18.55  |                     |          |
| 3               | 256QAM | 8  | 0  | 18.56  | 18.75 | 18.59  | 20                  | 3.3      |
| 3               | 256QAM | 8  | 4  | 18.53  | 18.77 | 18.71  |                     |          |
| 3               | 256QAM | 8  | 7  | 18.73  | 18.63 | 18.57  |                     |          |
| 3               | 256QAM | 15 | 0  | 18.63  | 18.72 | 18.63  |                     |          |
| Channel         |        |    |    | 26047  | 26340 | 26683  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1914.3 |                     |          |
| 1.4             | QPSK   | 1  | 0  | 22.22  | 22.15 | 22.12  | 23.3                | 0        |
| 1.4             | QPSK   | 1  | 3  | 21.85  | 22.00 | 22.04  |                     |          |
| 1.4             | QPSK   | 1  | 5  | 21.92  | 22.23 | 22.06  |                     |          |
| 1.4             | QPSK   | 3  | 0  | 21.89  | 21.97 | 21.78  |                     |          |
| 1.4             | QPSK   | 3  | 1  | 21.67  | 21.84 | 21.86  |                     |          |
| 1.4             | QPSK   | 3  | 3  | 21.71  | 21.93 | 21.73  | 23.3                | 0        |
| 1.4             | QPSK   | 6  | 0  | 21.90  | 21.92 | 21.45  |                     |          |
| 1.4             | 16QAM  | 1  | 0  | 21.68  | 21.68 | 21.71  |                     |          |
| 1.4             | 16QAM  | 1  | 3  | 21.63  | 21.63 | 21.40  |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 21.58  | 21.60 | 21.56  |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 22.19  | 22.14 | 21.96  |                     |          |
| 1.4             | 16QAM  | 3  | 1  | 21.96  | 21.99 | 21.99  | 23                  | 0.3      |
| 1.4             | 16QAM  | 3  | 3  | 21.90  | 22.04 | 22.06  |                     |          |
| 1.4             | 16QAM  | 6  | 0  | 21.50  | 21.67 | 21.43  |                     |          |
| 1.4             | 64QAM  | 1  | 0  | 21.57  | 21.80 | 21.59  |                     |          |
| 1.4             | 64QAM  | 1  | 3  | 21.51  | 21.70 | 21.51  |                     |          |
| 1.4             | 64QAM  | 1  | 5  | 21.59  | 21.63 | 21.50  |                     |          |
| 1.4             | 64QAM  | 3  | 0  | 22.00  | 22.29 | 22.16  |                     |          |
| 1.4             | 64QAM  | 3  | 1  | 22.11  | 22.29 | 22.23  | 22                  | 1.3      |
| 1.4             | 64QAM  | 3  | 3  | 22.14  | 22.09 | 21.91  |                     |          |
| 1.4             | 64QAM  | 6  | 0  | 20.53  | 20.63 | 20.74  |                     |          |
| 1.4             | 256QAM | 1  | 0  | 18.54  | 18.62 | 18.50  |                     |          |
| 1.4             | 256QAM | 1  | 3  | 18.49  | 18.77 | 18.55  | 20                  | 3.3      |
| 1.4             | 256QAM | 1  | 5  | 18.56  | 18.65 | 18.58  |                     |          |
| 1.4             | 256QAM | 3  | 0  | 18.57  | 18.75 | 18.68  |                     |          |
| 1.4             | 256QAM | 3  | 1  | 18.42  | 18.81 | 18.59  |                     |          |
| 1.4             | 256QAM | 3  | 3  | 18.66  | 18.68 | 18.60  |                     |          |
| 1.4             | 256QAM | 6  | 0  | 18.60  | 18.78 | 18.47  | 20                  | 3.3      |



| Band 66 Ant1 DSI 1 ENDC |            |         |           |                       |                          |                        |                     |          |
|-------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]                | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel                 |            |         |           | 132072                | 132322                   | 132572                 |                     |          |
| Frequency (MHz)         |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |
| 20                      | QPSK       | 1       | 0         | 21.87                 | 21.99                    | 21.94                  | 23.1                | 0        |
| 20                      | QPSK       | 1       | 49        | 21.82                 | 21.86                    | 21.81                  |                     |          |
| 20                      | QPSK       | 1       | 99        | 21.85                 | 21.74                    | 21.74                  |                     |          |
| 20                      | QPSK       | 50      | 0         | 21.81                 | 21.95                    | 21.85                  | 23.1                | 0        |
| 20                      | QPSK       | 50      | 24        | 21.83                 | 21.87                    | 21.69                  |                     |          |
| 20                      | QPSK       | 50      | 50        | 21.81                 | 21.91                    | 21.83                  |                     |          |
| 20                      | QPSK       | 100     | 0         | 21.65                 | 21.71                    | 21.68                  | 23.1                | 0        |
| 20                      | 16QAM      | 1       | 0         | 21.75                 | 21.75                    | 21.84                  |                     |          |
| 20                      | 16QAM      | 1       | 49        | 21.45                 | 21.55                    | 21.59                  |                     |          |
| 20                      | 16QAM      | 1       | 99        | 21.69                 | 21.74                    | 21.66                  | 23                  | 0.1      |
| 20                      | 16QAM      | 50      | 0         | 21.19                 | 21.24                    | 21.13                  |                     |          |
| 20                      | 16QAM      | 50      | 24        | 21.21                 | 21.37                    | 21.26                  |                     |          |
| 20                      | 16QAM      | 50      | 50        | 21.20                 | 21.23                    | 21.40                  | 23                  | 0.1      |
| 20                      | 16QAM      | 100     | 0         | 21.24                 | 21.52                    | 21.15                  |                     |          |
| 20                      | 64QAM      | 1       | 0         | 21.69                 | 21.89                    | 21.74                  |                     |          |
| 20                      | 64QAM      | 1       | 49        | 21.86                 | 21.88                    | 21.96                  | 22                  | 1.1      |
| 20                      | 64QAM      | 1       | 99        | 21.83                 | 21.95                    | 21.66                  |                     |          |
| 20                      | 64QAM      | 50      | 0         | 20.22                 | 20.52                    | 20.34                  |                     |          |
| 20                      | 64QAM      | 50      | 24        | 20.57                 | 20.56                    | 20.38                  | 20                  | 3.1      |
| 20                      | 64QAM      | 50      | 50        | 20.31                 | 20.34                    | 20.26                  |                     |          |
| 20                      | 64QAM      | 100     | 0         | 20.24                 | 20.38                    | 20.42                  |                     |          |
| 20                      | 256QAM     | 1       | 0         | 18.23                 | 18.36                    | 18.21                  | 20                  | 3.1      |
| 20                      | 256QAM     | 1       | 49        | 18.23                 | 18.56                    | 18.26                  |                     |          |
| 20                      | 256QAM     | 1       | 99        | 18.20                 | 18.39                    | 18.36                  |                     |          |
| 20                      | 256QAM     | 50      | 0         | 18.35                 | 18.51                    | 18.21                  | 20                  | 3.1      |
| 20                      | 256QAM     | 50      | 24        | 18.13                 | 18.41                    | 18.28                  |                     |          |
| 20                      | 256QAM     | 50      | 50        | 18.42                 | 18.31                    | 18.23                  |                     |          |
| 20                      | 256QAM     | 100     | 0         | 18.26                 | 18.32                    | 18.16                  |                     |          |
| Channel                 |            |         |           | 132047                | 132322                   | 132597                 |                     |          |
| Frequency (MHz)         |            |         |           | 1717.5                | 1745                     | 1772.5                 | Tune-up limit (dBm) | MPR (dB) |
| 15                      | QPSK       | 1       | 0         | 21.62                 | 21.86                    | 21.73                  | 23.1                | 0        |
| 15                      | QPSK       | 1       | 37        | 21.61                 | 21.60                    | 21.72                  |                     |          |
| 15                      | QPSK       | 1       | 74        | 21.64                 | 21.47                    | 21.55                  |                     |          |
| 15                      | QPSK       | 36      | 0         | 21.65                 | 21.66                    | 21.59                  | 23.1                | 0        |
| 15                      | QPSK       | 36      | 20        | 21.57                 | 21.62                    | 21.51                  |                     |          |
| 15                      | QPSK       | 36      | 39        | 21.72                 | 21.65                    | 21.59                  |                     |          |
| 15                      | QPSK       | 75      | 0         | 21.49                 | 21.54                    | 21.37                  | 23.1                | 0        |
| 15                      | 16QAM      | 1       | 0         | 21.56                 | 21.66                    | 21.73                  |                     |          |
| 15                      | 16QAM      | 1       | 37        | 21.27                 | 21.27                    | 21.49                  |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15              | 16QAM  | 1  | 74 | 21.57  | 21.49  | 21.57  |                     |          |
| 15              | 16QAM  | 36 | 0  | 21.07  | 21.18  | 21.04  | 23                  | 0.1      |
| 15              | 16QAM  | 36 | 20 | 21.05  | 21.24  | 21.09  |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.19  | 21.07  | 21.23  |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.25  | 21.31  | 21.05  | 23                  | 0.1      |
| 15              | 64QAM  | 1  | 0  | 21.51  | 21.96  | 21.55  |                     |          |
| 15              | 64QAM  | 1  | 37 | 21.66  | 21.66  | 21.90  |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.75  | 21.92  | 21.50  | 22                  | 1.1      |
| 15              | 64QAM  | 36 | 0  | 20.06  | 20.47  | 20.26  |                     |          |
| 15              | 64QAM  | 36 | 20 | 20.50  | 20.53  | 20.32  |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.17  | 20.14  | 20.08  | 20                  | 3.1      |
| 15              | 64QAM  | 75 | 0  | 20.07  | 20.26  | 20.36  |                     |          |
| 15              | 256QAM | 1  | 0  | 18.13  | 18.22  | 18.22  |                     |          |
| 15              | 256QAM | 1  | 37 | 18.14  | 18.39  | 18.13  | 20                  | 3.1      |
| 15              | 256QAM | 1  | 74 | 18.01  | 18.22  | 18.24  |                     |          |
| 15              | 256QAM | 36 | 0  | 18.17  | 18.49  | 18.11  |                     |          |
| 15              | 256QAM | 36 | 20 | 18.01  | 18.24  | 18.20  | 20                  | 3.1      |
| 15              | 256QAM | 36 | 39 | 18.23  | 18.22  | 18.17  |                     |          |
| 15              | 256QAM | 75 | 0  | 18.19  | 18.32  | 18.21  |                     |          |
| Channel         |        |    |    | 132022 | 132322 | 132622 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1715   | 1745   | 1775   |                     |          |
| 10              | QPSK   | 1  | 0  | 21.64  | 21.72  | 21.82  | 23.1                | 0        |
| 10              | QPSK   | 1  | 25 | 21.70  | 21.64  | 21.65  |                     |          |
| 10              | QPSK   | 1  | 49 | 21.65  | 21.54  | 21.58  |                     |          |
| 10              | QPSK   | 25 | 0  | 21.55  | 21.64  | 21.63  | 23.1                | 0        |
| 10              | QPSK   | 25 | 12 | 21.56  | 21.57  | 21.53  |                     |          |
| 10              | QPSK   | 25 | 25 | 21.59  | 21.86  | 21.64  |                     |          |
| 10              | QPSK   | 50 | 0  | 21.45  | 21.40  | 21.37  | 23.1                | 0        |
| 10              | 16QAM  | 1  | 0  | 21.54  | 21.46  | 21.59  |                     |          |
| 10              | 16QAM  | 1  | 25 | 21.21  | 21.30  | 21.51  |                     |          |
| 10              | 16QAM  | 1  | 49 | 21.50  | 21.61  | 21.44  | 23                  | 0.1      |
| 10              | 16QAM  | 25 | 0  | 21.21  | 21.03  | 21.08  |                     |          |
| 10              | 16QAM  | 25 | 12 | 21.04  | 21.37  | 21.19  |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.14  | 21.12  | 21.29  | 22                  | 1.1      |
| 10              | 16QAM  | 50 | 0  | 21.18  | 21.52  | 21.10  |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.50  | 21.82  | 21.55  |                     |          |
| 10              | 64QAM  | 1  | 25 | 21.77  | 21.77  | 21.90  | 23                  | 0.1      |
| 10              | 64QAM  | 1  | 49 | 21.66  | 21.77  | 21.56  |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.08  | 20.33  | 20.28  |                     |          |
| 10              | 64QAM  | 25 | 12 | 20.48  | 20.52  | 20.33  | 22                  | 1.1      |
| 10              | 64QAM  | 25 | 25 | 20.28  | 20.34  | 20.20  |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.22  | 20.37  | 20.30  |                     |          |
| 10              | 256QAM | 1  | 0  | 18.21  | 18.20  | 18.04  | 20                  | 3.1      |
| 10              | 256QAM | 1  | 25 | 18.23  | 18.43  | 18.11  |                     |          |
| 10              | 256QAM | 1  | 49 | 18.13  | 18.34  | 18.34  |                     |          |
| 10              | 256QAM | 25 | 0  | 18.17  | 18.42  | 18.02  | 20                  | 3.1      |
| 10              | 256QAM | 25 | 12 | 18.09  | 18.31  | 18.07  |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 10              | 256QAM | 25 | 25 | 18.28  | 18.25  | 18.14  |                     |          |
| 10              | 256QAM | 50 | 0  | 18.09  | 18.11  | 18.05  |                     |          |
| Channel         |        |    |    | 131997 | 132322 | 132647 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1712.5 | 1745   | 1777.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 21.61  | 21.82  | 21.72  | 23.1                | 0        |
| 5               | QPSK   | 1  | 12 | 21.64  | 21.55  | 21.67  |                     |          |
| 5               | QPSK   | 1  | 24 | 21.71  | 21.54  | 21.63  |                     |          |
| 5               | QPSK   | 12 | 0  | 21.59  | 21.65  | 21.56  | 23.1                | 0        |
| 5               | QPSK   | 12 | 7  | 21.73  | 21.79  | 21.39  |                     |          |
| 5               | QPSK   | 12 | 13 | 21.69  | 21.75  | 21.56  |                     |          |
| 5               | QPSK   | 25 | 0  | 21.46  | 21.46  | 21.40  | 23.1                | 0        |
| 5               | 16QAM  | 1  | 0  | 21.59  | 21.55  | 21.70  |                     |          |
| 5               | 16QAM  | 1  | 12 | 21.30  | 21.25  | 21.34  |                     |          |
| 5               | 16QAM  | 1  | 24 | 21.52  | 21.45  | 21.48  | 23                  | 0.1      |
| 5               | 16QAM  | 12 | 0  | 21.21  | 21.23  | 21.06  |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.22  | 21.26  | 21.22  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.13  | 21.23  | 21.20  | 23                  | 0.1      |
| 5               | 16QAM  | 25 | 0  | 21.20  | 21.41  | 21.15  |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.63  | 21.96  | 21.66  |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.73  | 21.72  | 21.82  | 23                  | 0.1      |
| 5               | 64QAM  | 1  | 24 | 21.66  | 21.77  | 21.58  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.15  | 20.43  | 20.21  |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.56  | 20.56  | 20.35  | 22                  | 1.1      |
| 5               | 64QAM  | 12 | 13 | 20.27  | 20.33  | 20.08  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.17  | 20.23  | 20.22  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.19  | 18.24  | 18.06  | 20                  | 3.1      |
| 5               | 256QAM | 1  | 12 | 18.06  | 18.51  | 18.11  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.02  | 18.24  | 18.24  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.21  | 18.40  | 18.17  | 20                  | 3.1      |
| 5               | 256QAM | 12 | 7  | 18.03  | 18.31  | 18.11  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.28  | 18.28  | 18.07  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.24  | 18.34  | 18.10  | 20                  | 3.1      |
| Channel         |        |    |    | 131987 | 132322 | 132657 |                     |          |
| Frequency (MHz) |        |    |    | 1711.5 | 1745   | 1778.5 | Tune-up limit (dBm) | MPR (dB) |
| 3               | QPSK   | 1  | 0  | 21.66  | 21.81  | 21.75  | 23.1                | 0        |
| 3               | QPSK   | 1  | 8  | 21.68  | 21.69  | 21.55  |                     |          |
| 3               | QPSK   | 1  | 14 | 21.76  | 21.54  | 21.50  |                     |          |
| 3               | QPSK   | 8  | 0  | 21.50  | 21.78  | 21.74  | 23.1                | 0        |
| 3               | QPSK   | 8  | 4  | 21.74  | 21.64  | 21.57  |                     |          |
| 3               | QPSK   | 8  | 7  | 21.71  | 21.67  | 21.56  |                     |          |
| 3               | QPSK   | 15 | 0  | 21.48  | 21.40  | 21.43  | 23.1                | 0        |
| 3               | 16QAM  | 1  | 0  | 21.62  | 21.44  | 21.53  |                     |          |
| 3               | 16QAM  | 1  | 8  | 21.31  | 21.33  | 21.45  |                     |          |
| 3               | 16QAM  | 1  | 14 | 21.59  | 21.55  | 21.38  | 23                  | 0.1      |
| 3               | 16QAM  | 8  | 0  | 21.15  | 21.04  | 21.10  |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.13  | 21.27  | 21.10  |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.12  | 21.13  | 21.42  |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 3               | 16QAM  | 15 | 0  | 21.05  | 21.35  | 21.08  |                     |          |
| 3               | 64QAM  | 1  | 0  | 21.64  | 21.89  | 21.72  | 23                  | 0.1      |
| 3               | 64QAM  | 1  | 8  | 21.84  | 21.80  | 21.91  |                     |          |
| 3               | 64QAM  | 1  | 14 | 21.68  | 21.75  | 21.61  |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.16  | 20.33  | 20.14  | 22                  | 1.1      |
| 3               | 64QAM  | 8  | 4  | 20.53  | 20.38  | 20.21  |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.23  | 20.18  | 20.22  |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.10  | 20.23  | 20.43  |                     |          |
| 3               | 256QAM | 1  | 0  | 18.11  | 18.21  | 18.03  | 20                  | 3.1      |
| 3               | 256QAM | 1  | 8  | 18.02  | 18.44  | 18.09  |                     |          |
| 3               | 256QAM | 1  | 14 | 18.09  | 18.25  | 18.23  |                     |          |
| 3               | 256QAM | 8  | 0  | 18.15  | 18.37  | 18.02  | 20                  | 3.1      |
| 3               | 256QAM | 8  | 4  | 18.13  | 18.42  | 18.26  |                     |          |
| 3               | 256QAM | 8  | 7  | 18.24  | 18.14  | 18.05  |                     |          |
| 3               | 256QAM | 15 | 0  | 18.21  | 18.32  | 18.05  |                     |          |
| Channel         |        |    |    | 131979 | 132322 | 132665 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1710.7 | 1745   | 1779.3 |                     |          |
| 1.4             | QPSK   | 1  | 0  | 21.77  | 21.77  | 21.63  | 23.1                | 0        |
| 1.4             | QPSK   | 1  | 3  | 21.52  | 21.55  | 21.65  |                     |          |
| 1.4             | QPSK   | 1  | 5  | 21.68  | 21.51  | 21.59  |                     |          |
| 1.4             | QPSK   | 3  | 0  | 21.52  | 21.64  | 21.59  |                     |          |
| 1.4             | QPSK   | 3  | 1  | 21.61  | 21.60  | 21.57  |                     |          |
| 1.4             | QPSK   | 3  | 3  | 21.54  | 21.69  | 21.57  | 23.1                | 0        |
| 1.4             | QPSK   | 6  | 0  | 21.51  | 21.58  | 21.40  |                     |          |
| 1.4             | 16QAM  | 1  | 0  | 21.50  | 21.64  | 21.58  | 23.1                | 0        |
| 1.4             | 16QAM  | 1  | 3  | 21.36  | 21.46  | 21.38  |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 21.40  | 21.48  | 21.46  |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 21.65  | 21.72  | 21.78  |                     |          |
| 1.4             | 16QAM  | 3  | 1  | 21.58  | 21.59  | 21.68  |                     |          |
| 1.4             | 16QAM  | 3  | 3  | 21.61  | 21.49  | 21.50  | 23                  | 0.1      |
| 1.4             | 16QAM  | 6  | 0  | 21.11  | 21.04  | 21.06  |                     |          |
| 1.4             | 64QAM  | 1  | 0  | 21.17  | 21.23  | 21.05  | 23                  | 0.1      |
| 1.4             | 64QAM  | 1  | 3  | 21.01  | 21.20  | 21.37  |                     |          |
| 1.4             | 64QAM  | 1  | 5  | 21.16  | 21.35  | 21.09  |                     |          |
| 1.4             | 64QAM  | 3  | 0  | 21.71  | 21.95  | 21.75  |                     |          |
| 1.4             | 64QAM  | 3  | 1  | 21.78  | 21.86  | 21.92  |                     |          |
| 1.4             | 64QAM  | 3  | 3  | 21.79  | 21.79  | 21.62  | 22                  | 1.1      |
| 1.4             | 64QAM  | 6  | 0  | 20.47  | 20.46  | 20.40  |                     |          |
| 1.4             | 256QAM | 1  | 0  | 18.10  | 18.36  | 18.00  | 20                  | 3.1      |
| 1.4             | 256QAM | 1  | 3  | 18.03  | 18.41  | 18.26  |                     |          |
| 1.4             | 256QAM | 1  | 5  | 18.02  | 18.18  | 18.24  |                     |          |
| 1.4             | 256QAM | 3  | 0  | 18.32  | 18.36  | 18.16  |                     |          |
| 1.4             | 256QAM | 3  | 1  | 18.15  | 18.26  | 18.10  |                     |          |
| 1.4             | 256QAM | 3  | 3  | 18.30  | 18.26  | 18.17  |                     |          |
| 1.4             | 256QAM | 6  | 0  | 18.21  | 18.29  | 18.16  | 20                  | 3.1      |



| Band 2 Ant2 Default |            |         |           |                       |                          |                        |                     |          |
|---------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel             |            |         |           | 18700                 | 18900                    | 19100                  |                     |          |
| Frequency (MHz)     |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |
| 20                  | QPSK       | 1       | 0         | 23.41                 | 23.46                    | 23.44                  | 25                  | 0        |
| 20                  | QPSK       | 1       | 49        | 23.26                 | 23.41                    | 23.34                  |                     |          |
| 20                  | QPSK       | 1       | 99        | 23.24                 | 23.38                    | 23.35                  |                     |          |
| 20                  | QPSK       | 50      | 0         | 22.34                 | 22.49                    | 22.40                  | 24                  | 1        |
| 20                  | QPSK       | 50      | 24        | 22.38                 | 22.42                    | 22.33                  |                     |          |
| 20                  | QPSK       | 50      | 50        | 22.38                 | 22.45                    | 22.33                  |                     |          |
| 20                  | QPSK       | 100     | 0         | 22.33                 | 22.43                    | 22.40                  | 24                  | 1        |
| 20                  | 16QAM      | 1       | 0         | 22.51                 | 22.59                    | 22.50                  |                     |          |
| 20                  | 16QAM      | 1       | 49        | 22.41                 | 22.49                    | 22.37                  |                     |          |
| 20                  | 16QAM      | 1       | 99        | 22.43                 | 22.56                    | 22.41                  | 23                  | 2        |
| 20                  | 16QAM      | 50      | 0         | 21.41                 | 21.54                    | 21.41                  |                     |          |
| 20                  | 16QAM      | 50      | 24        | 21.43                 | 21.45                    | 21.28                  |                     |          |
| 20                  | 16QAM      | 50      | 50        | 21.40                 | 21.52                    | 21.47                  | 23                  | 2        |
| 20                  | 16QAM      | 100     | 0         | 21.47                 | 21.53                    | 21.40                  |                     |          |
| 20                  | 64QAM      | 1       | 0         | 21.35                 | 21.49                    | 21.36                  |                     |          |
| 20                  | 64QAM      | 1       | 49        | 21.26                 | 21.34                    | 21.24                  | 23                  | 2        |
| 20                  | 64QAM      | 1       | 99        | 21.26                 | 21.36                    | 21.33                  |                     |          |
| 20                  | 64QAM      | 50      | 0         | 20.44                 | 20.50                    | 20.41                  |                     |          |
| 20                  | 64QAM      | 50      | 24        | 20.31                 | 20.35                    | 20.23                  | 22                  | 3        |
| 20                  | 64QAM      | 50      | 50        | 20.27                 | 20.42                    | 20.26                  |                     |          |
| 20                  | 64QAM      | 100     | 0         | 20.33                 | 20.47                    | 20.30                  |                     |          |
| 20                  | 256QAM     | 1       | 0         | 18.27                 | 18.45                    | 18.42                  | 20                  | 5        |
| 20                  | 256QAM     | 1       | 49        | 18.35                 | 18.41                    | 18.38                  |                     |          |
| 20                  | 256QAM     | 1       | 99        | 18.27                 | 18.33                    | 18.17                  |                     |          |
| 20                  | 256QAM     | 50      | 0         | 18.37                 | 18.59                    | 18.44                  | 20                  | 5        |
| 20                  | 256QAM     | 50      | 24        | 18.42                 | 18.45                    | 18.40                  |                     |          |
| 20                  | 256QAM     | 50      | 50        | 18.49                 | 18.49                    | 18.35                  |                     |          |
| 20                  | 256QAM     | 100     | 0         | 18.37                 | 18.43                    | 18.38                  |                     |          |
| Channel             |            |         |           | 18675                 | 18900                    | 19125                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)     |            |         |           | 1857.5                | 1880                     | 1902.5                 |                     |          |
| 15                  | QPSK       | 1       | 0         | 23.34                 | 23.35                    | 23.29                  | 25                  | 0        |
| 15                  | QPSK       | 1       | 37        | 23.15                 | 23.35                    | 23.27                  |                     |          |
| 15                  | QPSK       | 1       | 74        | 23.20                 | 23.26                    | 23.24                  |                     |          |
| 15                  | QPSK       | 36      | 0         | 22.30                 | 22.42                    | 22.28                  | 24                  | 1        |
| 15                  | QPSK       | 36      | 20        | 22.32                 | 22.26                    | 22.30                  |                     |          |
| 15                  | QPSK       | 36      | 39        | 22.24                 | 22.40                    | 22.28                  |                     |          |
| 15                  | QPSK       | 75      | 0         | 22.29                 | 22.40                    | 22.23                  | 24                  | 1        |
| 15                  | 16QAM      | 1       | 0         | 22.35                 | 22.54                    | 22.42                  |                     |          |
| 15                  | 16QAM      | 1       | 37        | 22.25                 | 22.43                    | 22.22                  |                     |          |



|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 15              | 16QAM  | 1  | 74 | 22.35 | 22.40 | 22.32 |                     |          |
| 15              | 16QAM  | 36 | 0  | 21.29 | 21.40 | 21.32 | 23                  | 2        |
| 15              | 16QAM  | 36 | 20 | 21.28 | 21.29 | 21.20 |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.36 | 21.44 | 21.41 |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.39 | 21.42 | 21.34 |                     |          |
| 15              | 64QAM  | 1  | 0  | 21.24 | 21.36 | 21.33 | 23                  | 2        |
| 15              | 64QAM  | 1  | 37 | 21.23 | 21.24 | 21.22 |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.15 | 21.23 | 21.19 |                     |          |
| 15              | 64QAM  | 36 | 0  | 20.30 | 20.33 | 20.33 | 22                  | 3        |
| 15              | 64QAM  | 36 | 20 | 20.28 | 20.23 | 20.11 |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.17 | 20.28 | 20.16 |                     |          |
| 15              | 64QAM  | 75 | 0  | 20.29 | 20.41 | 20.20 |                     |          |
| 15              | 256QAM | 1  | 0  | 18.33 | 18.40 | 18.36 | 20                  | 5        |
| 15              | 256QAM | 1  | 37 | 18.23 | 18.28 | 18.29 |                     |          |
| 15              | 256QAM | 1  | 74 | 18.35 | 18.31 | 18.18 |                     |          |
| 15              | 256QAM | 36 | 0  | 18.48 | 18.56 | 18.43 | 20                  | 5        |
| 15              | 256QAM | 36 | 20 | 18.32 | 18.39 | 18.43 |                     |          |
| 15              | 256QAM | 36 | 39 | 18.42 | 18.56 | 18.41 |                     |          |
| 15              | 256QAM | 75 | 0  | 18.45 | 18.40 | 18.37 |                     |          |
| Channel         |        |    |    | 18650 | 18900 | 19150 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1855  | 1880  | 1905  |                     |          |
| 10              | QPSK   | 1  | 0  | 23.31 | 23.33 | 23.33 | 25                  | 0        |
| 10              | QPSK   | 1  | 25 | 23.14 | 23.37 | 23.29 |                     |          |
| 10              | QPSK   | 1  | 49 | 23.08 | 23.35 | 23.28 |                     |          |
| 10              | QPSK   | 25 | 0  | 22.26 | 22.45 | 22.37 | 24                  | 1        |
| 10              | QPSK   | 25 | 12 | 22.22 | 22.39 | 22.21 |                     |          |
| 10              | QPSK   | 25 | 25 | 22.24 | 22.37 | 22.18 |                     |          |
| 10              | QPSK   | 50 | 0  | 22.22 | 22.34 | 22.24 |                     |          |
| 10              | 16QAM  | 1  | 0  | 22.37 | 22.53 | 22.44 | 24                  | 1        |
| 10              | 16QAM  | 1  | 25 | 22.25 | 22.42 | 22.30 |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.38 | 22.42 | 22.36 |                     |          |
| 10              | 16QAM  | 25 | 0  | 21.28 | 21.39 | 21.30 | 23                  | 2        |
| 10              | 16QAM  | 25 | 12 | 21.26 | 21.36 | 21.25 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.31 | 21.43 | 21.37 |                     |          |
| 10              | 16QAM  | 50 | 0  | 21.36 | 21.49 | 21.28 |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.32 | 21.43 | 21.26 | 23                  | 2        |
| 10              | 64QAM  | 1  | 25 | 21.23 | 21.32 | 21.22 |                     |          |
| 10              | 64QAM  | 1  | 49 | 21.17 | 21.23 | 21.22 |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.39 | 20.41 | 20.34 | 22                  | 3        |
| 10              | 64QAM  | 25 | 12 | 20.21 | 20.20 | 20.11 |                     |          |
| 10              | 64QAM  | 25 | 25 | 20.11 | 20.30 | 20.17 |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.30 | 20.39 | 20.15 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.22 | 18.43 | 18.43 | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.29 | 18.31 | 18.30 |                     |          |
| 10              | 256QAM | 1  | 49 | 18.28 | 18.42 | 18.29 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.38 | 18.53 | 18.49 | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.45 | 18.36 | 18.43 |                     |          |



|                 |        |    |    |        |       |        |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 10              | 256QAM | 25 | 25 | 18.43  | 18.52 | 18.29  |                     |          |
| 10              | 256QAM | 50 | 0  | 18.40  | 18.40 | 18.33  |                     |          |
| Channel         |        |    |    | 18625  | 18900 | 19175  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1907.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 23.33  | 23.37 | 23.30  | 25                  | 0        |
| 5               | QPSK   | 1  | 12 | 23.23  | 23.34 | 23.24  |                     |          |
| 5               | QPSK   | 1  | 24 | 23.09  | 23.33 | 23.32  |                     |          |
| 5               | QPSK   | 12 | 0  | 22.29  | 22.43 | 22.23  | 24                  | 1        |
| 5               | QPSK   | 12 | 7  | 22.28  | 22.34 | 22.29  |                     |          |
| 5               | QPSK   | 12 | 13 | 22.36  | 22.33 | 22.28  |                     |          |
| 5               | QPSK   | 25 | 0  | 22.31  | 22.28 | 22.32  | 24                  | 1        |
| 5               | 16QAM  | 1  | 0  | 22.49  | 22.56 | 22.37  |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.36  | 22.40 | 22.32  |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.34  | 22.46 | 22.27  | 23                  | 2        |
| 5               | 16QAM  | 12 | 0  | 21.35  | 21.52 | 21.26  |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.33  | 21.29 | 21.13  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.26  | 21.39 | 21.35  | 23                  | 2        |
| 5               | 16QAM  | 25 | 0  | 21.38  | 21.41 | 21.35  |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.24  | 21.43 | 21.32  |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.16  | 21.29 | 21.17  | 23                  | 2        |
| 5               | 64QAM  | 1  | 24 | 21.09  | 21.28 | 21.25  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.41  | 20.33 | 20.37  |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.25  | 20.26 | 20.16  | 22                  | 3        |
| 5               | 64QAM  | 12 | 13 | 20.21  | 20.36 | 20.21  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.18  | 20.38 | 20.27  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.22  | 18.39 | 18.38  | 20                  | 5        |
| 5               | 256QAM | 1  | 12 | 18.32  | 18.34 | 18.24  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.35  | 18.37 | 18.21  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.43  | 18.50 | 18.46  | 20                  | 5        |
| 5               | 256QAM | 12 | 7  | 18.32  | 18.37 | 18.36  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.36  | 18.49 | 18.32  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.37  | 18.48 | 18.40  |                     |          |
| Channel         |        |    |    | 18615  | 18900 | 19185  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1908.5 |                     |          |
| 3               | QPSK   | 1  | 0  | 23.34  | 23.42 | 23.36  | 25                  | 0        |
| 3               | QPSK   | 1  | 8  | 23.24  | 23.37 | 23.28  |                     |          |
| 3               | QPSK   | 1  | 14 | 23.13  | 23.32 | 23.26  |                     |          |
| 3               | QPSK   | 8  | 0  | 22.30  | 22.42 | 22.30  | 24                  | 1        |
| 3               | QPSK   | 8  | 4  | 22.27  | 22.40 | 22.20  |                     |          |
| 3               | QPSK   | 8  | 7  | 22.33  | 22.41 | 22.28  |                     |          |
| 3               | QPSK   | 15 | 0  | 22.24  | 22.26 | 22.25  | 24                  | 1        |
| 3               | 16QAM  | 1  | 0  | 22.41  | 22.56 | 22.45  |                     |          |
| 3               | 16QAM  | 1  | 8  | 22.24  | 22.47 | 22.29  |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.31  | 22.48 | 22.27  | 23                  | 2        |
| 3               | 16QAM  | 8  | 0  | 21.28  | 21.46 | 21.36  |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.32  | 21.40 | 21.11  |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.33  | 21.39 | 21.38  |                     |          |





|                 |        |    |    |        |       |        |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 3               | 16QAM  | 15 | 0  | 21.36  | 21.48 | 21.35  |                     |          |
| 3               | 64QAM  | 1  | 0  | 21.22  | 21.46 | 21.22  | 23                  | 2        |
| 3               | 64QAM  | 1  | 8  | 21.19  | 21.24 | 21.09  |                     |          |
| 3               | 64QAM  | 1  | 14 | 21.18  | 21.33 | 21.29  |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.36  | 20.43 | 20.31  | 22                  | 3        |
| 3               | 64QAM  | 8  | 4  | 20.28  | 20.26 | 20.15  |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.11  | 20.37 | 20.11  |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.24  | 20.43 | 20.22  |                     |          |
| 3               | 256QAM | 1  | 0  | 18.32  | 18.43 | 18.33  | 20                  | 5        |
| 3               | 256QAM | 1  | 8  | 18.29  | 18.33 | 18.25  |                     |          |
| 3               | 256QAM | 1  | 14 | 18.28  | 18.34 | 18.28  |                     |          |
| 3               | 256QAM | 8  | 0  | 18.36  | 18.56 | 18.37  | 20                  | 5        |
| 3               | 256QAM | 8  | 4  | 18.42  | 18.49 | 18.40  |                     |          |
| 3               | 256QAM | 8  | 7  | 18.37  | 18.43 | 18.40  |                     |          |
| 3               | 256QAM | 15 | 0  | 18.36  | 18.40 | 18.37  |                     |          |
| Channel         |        |    |    | 18607  | 18900 | 19193  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1909.3 |                     |          |
| 1.4             | QPSK   | 1  | 0  | 23.24  | 23.30 | 23.28  | 25                  | 0        |
| 1.4             | QPSK   | 1  | 3  | 23.22  | 23.29 | 23.22  |                     |          |
| 1.4             | QPSK   | 1  | 5  | 23.09  | 23.31 | 23.20  |                     |          |
| 1.4             | QPSK   | 3  | 0  | 23.28  | 23.40 | 23.33  |                     |          |
| 1.4             | QPSK   | 3  | 1  | 23.24  | 23.31 | 23.17  |                     |          |
| 1.4             | QPSK   | 3  | 3  | 23.25  | 23.43 | 23.17  | 24                  | 1        |
| 1.4             | QPSK   | 6  | 0  | 22.30  | 22.38 | 22.36  |                     |          |
| 1.4             | 16QAM  | 1  | 0  | 22.45  | 22.50 | 22.40  | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 3  | 22.37  | 22.42 | 22.25  |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 22.28  | 22.42 | 22.29  |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 22.33  | 22.44 | 22.32  |                     |          |
| 1.4             | 16QAM  | 3  | 1  | 22.37  | 22.34 | 22.13  |                     |          |
| 1.4             | 16QAM  | 3  | 3  | 22.24  | 22.48 | 22.34  |                     |          |
| 1.4             | 16QAM  | 6  | 0  | 21.41  | 21.51 | 21.26  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 0  | 21.21  | 21.44 | 21.24  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 3  | 21.19  | 21.27 | 21.19  |                     |          |
| 1.4             | 64QAM  | 1  | 5  | 21.19  | 21.29 | 21.20  |                     |          |
| 1.4             | 64QAM  | 3  | 0  | 21.40  | 21.38 | 21.37  |                     |          |
| 1.4             | 64QAM  | 3  | 1  | 21.20  | 21.30 | 21.14  |                     |          |
| 1.4             | 64QAM  | 3  | 3  | 21.15  | 21.28 | 21.23  |                     |          |
| 1.4             | 64QAM  | 6  | 0  | 20.18  | 20.44 | 20.26  | 22                  | 3        |
| 1.4             | 256QAM | 1  | 0  | 18.29  | 18.46 | 18.39  | 20                  | 5        |
| 1.4             | 256QAM | 1  | 3  | 18.29  | 18.32 | 18.36  |                     |          |
| 1.4             | 256QAM | 1  | 5  | 18.42  | 18.40 | 18.32  |                     |          |
| 1.4             | 256QAM | 3  | 0  | 18.38  | 18.49 | 18.40  |                     |          |
| 1.4             | 256QAM | 3  | 1  | 18.39  | 18.48 | 18.44  |                     |          |
| 1.4             | 256QAM | 3  | 3  | 18.37  | 18.57 | 18.33  |                     |          |
| 1.4             | 256QAM | 6  | 0  | 18.38  | 18.40 | 18.38  | 20                  | 5        |



| Band 4 Ant2 Default |            |         |           |                       |                          |                        |                     |          |
|---------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel             |            |         |           | 20050                 | 20175                    | 20300                  |                     |          |
| Frequency (MHz)     |            |         |           | 1720                  | 1732.5                   | 1745                   |                     |          |
| 20                  | QPSK       | 1       | 0         | 23.34                 | 23.52                    | 23.36                  | 25                  | 0        |
| 20                  | QPSK       | 1       | 49        | 23.26                 | 23.37                    | 23.33                  |                     |          |
| 20                  | QPSK       | 1       | 99        | 23.41                 | 23.48                    | 23.36                  |                     |          |
| 20                  | QPSK       | 50      | 0         | 22.43                 | 22.49                    | 22.36                  | 24                  | 1        |
| 20                  | QPSK       | 50      | 24        | 22.33                 | 22.43                    | 22.32                  |                     |          |
| 20                  | QPSK       | 50      | 50        | 22.37                 | 22.46                    | 22.32                  |                     |          |
| 20                  | QPSK       | 100     | 0         | 22.37                 | 22.40                    | 22.32                  | 24                  | 1        |
| 20                  | 16QAM      | 1       | 0         | 22.64                 | 22.67                    | 22.61                  |                     |          |
| 20                  | 16QAM      | 1       | 49        | 22.43                 | 22.57                    | 22.41                  |                     |          |
| 20                  | 16QAM      | 1       | 99        | 22.54                 | 22.64                    | 22.57                  | 23                  | 2        |
| 20                  | 16QAM      | 50      | 0         | 21.41                 | 21.47                    | 21.41                  |                     |          |
| 20                  | 16QAM      | 50      | 24        | 21.30                 | 21.44                    | 21.30                  |                     |          |
| 20                  | 16QAM      | 50      | 50        | 21.32                 | 21.44                    | 21.30                  | 23                  | 2        |
| 20                  | 16QAM      | 100     | 0         | 21.29                 | 21.46                    | 21.33                  |                     |          |
| 20                  | 64QAM      | 1       | 0         | 21.49                 | 21.63                    | 21.53                  |                     |          |
| 20                  | 64QAM      | 1       | 49        | 21.51                 | 21.60                    | 21.47                  | 23                  | 2        |
| 20                  | 64QAM      | 1       | 99        | 21.44                 | 21.60                    | 21.56                  |                     |          |
| 20                  | 64QAM      | 50      | 0         | 20.23                 | 20.39                    | 20.24                  |                     |          |
| 20                  | 64QAM      | 50      | 24        | 20.31                 | 20.36                    | 20.23                  | 22                  | 3        |
| 20                  | 64QAM      | 50      | 50        | 20.18                 | 20.32                    | 20.21                  |                     |          |
| 20                  | 64QAM      | 100     | 0         | 20.32                 | 20.42                    | 20.31                  |                     |          |
| 20                  | 256QAM     | 1       | 0         | 18.32                 | 18.50                    | 18.39                  | 20                  | 5        |
| 20                  | 256QAM     | 1       | 49        | 18.33                 | 18.38                    | 18.38                  |                     |          |
| 20                  | 256QAM     | 1       | 99        | 18.37                 | 18.36                    | 18.28                  |                     |          |
| 20                  | 256QAM     | 50      | 0         | 18.45                 | 18.59                    | 18.39                  | 20                  | 5        |
| 20                  | 256QAM     | 50      | 24        | 18.38                 | 18.40                    | 18.43                  |                     |          |
| 20                  | 256QAM     | 50      | 50        | 18.36                 | 18.54                    | 18.27                  |                     |          |
| 20                  | 256QAM     | 100     | 0         | 18.42                 | 18.48                    | 18.41                  |                     |          |
| Channel             |            |         |           | 20025                 | 20175                    | 20325                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)     |            |         |           | 1717.5                | 1732.5                   | 1747.5                 |                     |          |
| 15                  | QPSK       | 1       | 0         | 23.20                 | 23.48                    | 23.33                  | 25                  | 0        |
| 15                  | QPSK       | 1       | 37        | 23.14                 | 23.25                    | 23.26                  |                     |          |
| 15                  | QPSK       | 1       | 74        | 23.33                 | 23.44                    | 23.32                  |                     |          |
| 15                  | QPSK       | 36      | 0         | 22.34                 | 22.34                    | 22.26                  | 24                  | 1        |
| 15                  | QPSK       | 36      | 20        | 22.21                 | 22.29                    | 22.24                  |                     |          |
| 15                  | QPSK       | 36      | 39        | 22.33                 | 22.36                    | 22.24                  |                     |          |
| 15                  | QPSK       | 75      | 0         | 22.29                 | 22.29                    | 22.16                  | 24                  | 1        |
| 15                  | 16QAM      | 1       | 0         | 22.57                 | 22.63                    | 22.54                  |                     |          |
| 15                  | 16QAM      | 1       | 37        | 22.39                 | 22.48                    | 22.31                  |                     |          |



|                 |        |    |    |       |        |       |                     |          |
|-----------------|--------|----|----|-------|--------|-------|---------------------|----------|
| 15              | 16QAM  | 1  | 74 | 22.47 | 22.50  | 22.53 |                     |          |
| 15              | 16QAM  | 36 | 0  | 21.34 | 21.43  | 21.27 | 23                  | 2        |
| 15              | 16QAM  | 36 | 20 | 21.25 | 21.29  | 21.13 |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.17 | 21.36  | 21.17 |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.17 | 21.41  | 21.22 |                     |          |
| 15              | 64QAM  | 1  | 0  | 21.43 | 21.53  | 21.50 | 23                  | 2        |
| 15              | 64QAM  | 1  | 37 | 21.48 | 21.53  | 21.45 |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.37 | 21.53  | 21.46 |                     |          |
| 15              | 64QAM  | 36 | 0  | 20.13 | 20.24  | 20.11 | 22                  | 3        |
| 15              | 64QAM  | 36 | 20 | 20.27 | 20.20  | 20.11 |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.12 | 20.22  | 20.18 |                     |          |
| 15              | 64QAM  | 75 | 0  | 20.26 | 20.31  | 20.25 |                     |          |
| 15              | 256QAM | 1  | 0  | 18.31 | 18.41  | 18.30 | 20                  | 5        |
| 15              | 256QAM | 1  | 37 | 18.31 | 18.28  | 18.32 |                     |          |
| 15              | 256QAM | 1  | 74 | 18.32 | 18.41  | 18.20 |                     |          |
| 15              | 256QAM | 36 | 0  | 18.49 | 18.53  | 18.46 | 20                  | 5        |
| 15              | 256QAM | 36 | 20 | 18.33 | 18.49  | 18.45 |                     |          |
| 15              | 256QAM | 36 | 39 | 18.44 | 18.43  | 18.30 |                     |          |
| 15              | 256QAM | 75 | 0  | 18.43 | 18.53  | 18.43 |                     |          |
| Channel         |        |    |    | 20000 | 20175  | 20350 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1715  | 1732.5 | 1750  |                     |          |
| 10              | QPSK   | 1  | 0  | 23.21 | 23.42  | 23.30 | 25                  | 0        |
| 10              | QPSK   | 1  | 25 | 23.20 | 23.23  | 23.24 |                     |          |
| 10              | QPSK   | 1  | 49 | 23.27 | 23.45  | 23.28 |                     |          |
| 10              | QPSK   | 25 | 0  | 22.33 | 22.37  | 22.27 | 24                  | 1        |
| 10              | QPSK   | 25 | 12 | 22.22 | 22.28  | 22.29 |                     |          |
| 10              | QPSK   | 25 | 25 | 22.29 | 22.42  | 22.24 |                     |          |
| 10              | QPSK   | 50 | 0  | 22.24 | 22.28  | 22.27 |                     |          |
| 10              | 16QAM  | 1  | 0  | 22.51 | 22.59  | 22.45 | 24                  | 1        |
| 10              | 16QAM  | 1  | 25 | 22.38 | 22.43  | 22.35 |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.48 | 22.61  | 22.51 |                     |          |
| 10              | 16QAM  | 25 | 0  | 21.32 | 21.37  | 21.37 | 23                  | 2        |
| 10              | 16QAM  | 25 | 12 | 21.13 | 21.34  | 21.15 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.25 | 21.39  | 21.27 |                     |          |
| 10              | 16QAM  | 50 | 0  | 21.26 | 21.37  | 21.28 |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.34 | 21.54  | 21.48 | 23                  | 2        |
| 10              | 64QAM  | 1  | 25 | 21.48 | 21.43  | 21.36 |                     |          |
| 10              | 64QAM  | 1  | 49 | 21.41 | 21.49  | 21.41 |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.15 | 20.34  | 20.14 | 22                  | 3        |
| 10              | 64QAM  | 25 | 12 | 20.18 | 20.29  | 20.09 |                     |          |
| 10              | 64QAM  | 25 | 25 | 20.07 | 20.17  | 20.12 |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.26 | 20.36  | 20.25 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.25 | 18.49  | 18.31 | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.27 | 18.37  | 18.31 |                     |          |
| 10              | 256QAM | 1  | 49 | 18.42 | 18.43  | 18.25 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.44 | 18.49  | 18.46 | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.45 | 18.42  | 18.40 |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 10              | 256QAM | 25 | 25 | 18.49  | 18.51  | 18.36  |                     |          |
| 10              | 256QAM | 50 | 0  | 18.33  | 18.40  | 18.36  |                     |          |
| Channel         |        |    |    | 19975  | 20175  | 20375  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1712.5 | 1732.5 | 1752.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 23.20  | 23.41  | 23.28  | 25                  | 0        |
| 5               | QPSK   | 1  | 12 | 23.14  | 23.33  | 23.18  |                     |          |
| 5               | QPSK   | 1  | 24 | 23.26  | 23.38  | 23.32  |                     |          |
| 5               | QPSK   | 12 | 0  | 22.41  | 22.39  | 22.29  | 24                  | 1        |
| 5               | QPSK   | 12 | 7  | 22.17  | 22.36  | 22.18  |                     |          |
| 5               | QPSK   | 12 | 13 | 22.34  | 22.30  | 22.28  |                     |          |
| 5               | QPSK   | 25 | 0  | 22.22  | 22.37  | 22.21  | 24                  | 1        |
| 5               | 16QAM  | 1  | 0  | 22.58  | 22.50  | 22.47  |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.31  | 22.44  | 22.27  |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.39  | 22.55  | 22.55  | 23                  | 2        |
| 5               | 16QAM  | 12 | 0  | 21.27  | 21.31  | 21.27  |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.15  | 21.37  | 21.18  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.26  | 21.38  | 21.25  | 23                  | 2        |
| 5               | 16QAM  | 25 | 0  | 21.19  | 21.38  | 21.19  |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.47  | 21.52  | 21.38  |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.40  | 21.47  | 21.43  | 23                  | 2        |
| 5               | 64QAM  | 1  | 24 | 21.41  | 21.45  | 21.49  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.16  | 20.31  | 20.16  |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.18  | 20.23  | 20.08  | 22                  | 3        |
| 5               | 64QAM  | 12 | 13 | 20.13  | 20.18  | 20.06  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.29  | 20.39  | 20.16  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.24  | 18.36  | 18.36  | 20                  | 5        |
| 5               | 256QAM | 1  | 12 | 18.28  | 18.34  | 18.30  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.40  | 18.46  | 18.20  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.37  | 18.46  | 18.38  | 20                  | 5        |
| 5               | 256QAM | 12 | 7  | 18.44  | 18.36  | 18.39  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.45  | 18.50  | 18.38  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.43  | 18.52  | 18.35  | 20                  | 5        |
| Channel         |        |    |    | 19965  | 20175  | 20385  |                     |          |
| Frequency (MHz) |        |    |    | 1711.5 | 1732.5 | 1753.5 | Tune-up limit (dBm) | MPR (dB) |
| 3               | QPSK   | 1  | 0  | 23.23  | 23.42  | 23.21  |                     |          |
| 3               | QPSK   | 1  | 8  | 23.13  | 23.31  | 23.28  | 25                  | 0        |
| 3               | QPSK   | 1  | 14 | 23.26  | 23.46  | 23.28  |                     |          |
| 3               | QPSK   | 8  | 0  | 22.30  | 22.34  | 22.23  |                     |          |
| 3               | QPSK   | 8  | 4  | 22.20  | 22.35  | 22.30  | 24                  | 1        |
| 3               | QPSK   | 8  | 7  | 22.23  | 22.36  | 22.27  |                     |          |
| 3               | QPSK   | 15 | 0  | 22.22  | 22.38  | 22.20  |                     |          |
| 3               | 16QAM  | 1  | 0  | 22.55  | 22.58  | 22.48  | 24                  | 1        |
| 3               | 16QAM  | 1  | 8  | 22.39  | 22.47  | 22.27  |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.44  | 22.51  | 22.44  |                     |          |
| 3               | 16QAM  | 8  | 0  | 21.31  | 21.42  | 21.37  | 23                  | 2        |
| 3               | 16QAM  | 8  | 4  | 21.13  | 21.31  | 21.17  |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.25  | 21.29  | 21.14  |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 3               | 16QAM  | 15 | 0  | 21.14  | 21.40  | 21.24  |                     |          |
| 3               | 64QAM  | 1  | 0  | 21.37  | 21.49  | 21.48  | 23                  | 2        |
| 3               | 64QAM  | 1  | 8  | 21.46  | 21.53  | 21.30  |                     |          |
| 3               | 64QAM  | 1  | 14 | 21.28  | 21.44  | 21.45  |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.21  | 20.36  | 20.10  | 22                  | 3        |
| 3               | 64QAM  | 8  | 4  | 20.16  | 20.27  | 20.06  |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.04  | 20.15  | 20.07  |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.16  | 20.39  | 20.15  |                     |          |
| 3               | 256QAM | 1  | 0  | 18.23  | 18.38  | 18.34  | 20                  | 5        |
| 3               | 256QAM | 1  | 8  | 18.25  | 18.31  | 18.24  |                     |          |
| 3               | 256QAM | 1  | 14 | 18.31  | 18.45  | 18.19  |                     |          |
| 3               | 256QAM | 8  | 0  | 18.46  | 18.51  | 18.44  | 20                  | 5        |
| 3               | 256QAM | 8  | 4  | 18.36  | 18.48  | 18.35  |                     |          |
| 3               | 256QAM | 8  | 7  | 18.36  | 18.46  | 18.31  |                     |          |
| 3               | 256QAM | 15 | 0  | 18.34  | 18.49  | 18.40  |                     |          |
| Channel         |        |    |    | 19957  | 20175  | 20393  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1710.7 | 1732.5 | 1754.3 |                     |          |
| 1.4             | QPSK   | 1  | 0  | 23.22  | 23.42  | 23.21  | 25                  | 0        |
| 1.4             | QPSK   | 1  | 3  | 23.12  | 23.34  | 23.23  |                     |          |
| 1.4             | QPSK   | 1  | 5  | 23.38  | 23.42  | 23.22  |                     |          |
| 1.4             | QPSK   | 3  | 0  | 23.31  | 23.37  | 23.23  |                     |          |
| 1.4             | QPSK   | 3  | 1  | 23.18  | 23.29  | 23.18  |                     |          |
| 1.4             | QPSK   | 3  | 3  | 23.32  | 23.30  | 23.27  | 24                  | 1        |
| 1.4             | QPSK   | 6  | 0  | 22.26  | 22.32  | 22.29  |                     |          |
| 1.4             | 16QAM  | 1  | 0  | 22.48  | 22.56  | 22.49  | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 3  | 22.37  | 22.45  | 22.36  |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 22.39  | 22.60  | 22.42  |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 22.38  | 22.38  | 22.28  |                     |          |
| 1.4             | 16QAM  | 3  | 1  | 22.24  | 22.38  | 22.13  |                     |          |
| 1.4             | 16QAM  | 3  | 3  | 22.26  | 22.40  | 22.16  |                     |          |
| 1.4             | 16QAM  | 6  | 0  | 21.16  | 21.43  | 21.30  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 0  | 21.47  | 21.55  | 21.43  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 3  | 21.34  | 21.44  | 21.40  |                     |          |
| 1.4             | 64QAM  | 1  | 5  | 21.27  | 21.51  | 21.53  |                     |          |
| 1.4             | 64QAM  | 3  | 0  | 21.09  | 21.31  | 21.12  |                     |          |
| 1.4             | 64QAM  | 3  | 1  | 21.19  | 21.29  | 21.15  |                     |          |
| 1.4             | 64QAM  | 3  | 3  | 21.10  | 21.28  | 21.15  |                     |          |
| 1.4             | 64QAM  | 6  | 0  | 20.22  | 20.29  | 20.21  | 22                  | 3        |
| 1.4             | 256QAM | 1  | 0  | 18.26  | 18.42  | 18.38  | 20                  | 5        |
| 1.4             | 256QAM | 1  | 3  | 18.36  | 18.31  | 18.33  |                     |          |
| 1.4             | 256QAM | 1  | 5  | 18.31  | 18.36  | 18.30  |                     |          |
| 1.4             | 256QAM | 3  | 0  | 18.45  | 18.58  | 18.48  |                     |          |
| 1.4             | 256QAM | 3  | 1  | 18.39  | 18.41  | 18.43  |                     |          |
| 1.4             | 256QAM | 3  | 3  | 18.36  | 18.50  | 18.33  |                     |          |
| 1.4             | 256QAM | 6  | 0  | 18.32  | 18.52  | 18.44  | 20                  | 5        |



| Band 7 Ant2 DSI 1 |            |         |           |                       |                          |                        |                     |          |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]          | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel           |            |         |           | 20850                 | 21100                    | 21350                  |                     |          |
| Frequency (MHz)   |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20                | QPSK       | 1       | 0         | 21.67                 | 21.88                    | 21.65                  | 22.6                | 0        |
| 20                | QPSK       | 1       | 49        | 21.61                 | 21.63                    | 21.53                  |                     |          |
| 20                | QPSK       | 1       | 99        | 21.60                 | 21.63                    | 21.41                  |                     |          |
| 20                | QPSK       | 50      | 0         | 21.48                 | 21.60                    | 21.57                  | 22.6                | 0        |
| 20                | QPSK       | 50      | 24        | 21.47                 | 21.47                    | 21.51                  |                     |          |
| 20                | QPSK       | 50      | 50        | 21.51                 | 21.43                    | 21.42                  |                     |          |
| 20                | QPSK       | 100     | 0         | 21.35                 | 21.59                    | 21.51                  | 22.6                | 0        |
| 20                | 16QAM      | 1       | 0         | 21.74                 | 21.74                    | 21.73                  |                     |          |
| 20                | 16QAM      | 1       | 49        | 21.72                 | 21.81                    | 21.64                  |                     |          |
| 20                | 16QAM      | 1       | 99        | 21.63                 | 21.74                    | 21.55                  | 22.6                | 0        |
| 20                | 16QAM      | 50      | 0         | 21.76                 | 21.74                    | 21.74                  |                     |          |
| 20                | 16QAM      | 50      | 24        | 21.66                 | 21.81                    | 21.67                  |                     |          |
| 20                | 16QAM      | 50      | 50        | 21.65                 | 21.75                    | 21.60                  | 22.6                | 0        |
| 20                | 16QAM      | 100     | 0         | 21.62                 | 21.75                    | 21.60                  |                     |          |
| 20                | 64QAM      | 1       | 0         | 21.77                 | 21.61                    | 21.75                  |                     |          |
| 20                | 64QAM      | 1       | 49        | 21.67                 | 21.80                    | 21.75                  | 22.6                | 0        |
| 20                | 64QAM      | 1       | 99        | 21.75                 | 21.81                    | 21.75                  |                     |          |
| 20                | 64QAM      | 50      | 0         | 20.73                 | 20.86                    | 20.75                  |                     |          |
| 20                | 64QAM      | 50      | 24        | 20.59                 | 20.72                    | 20.66                  | 22                  | 0.6      |
| 20                | 64QAM      | 50      | 50        | 20.76                 | 20.82                    | 20.78                  |                     |          |
| 20                | 64QAM      | 100     | 0         | 20.73                 | 20.78                    | 20.72                  |                     |          |
| 20                | 256QAM     | 1       | 0         | 18.48                 | 18.76                    | 18.61                  | 20                  | 2.6      |
| 20                | 256QAM     | 1       | 49        | 18.58                 | 18.62                    | 18.49                  |                     |          |
| 20                | 256QAM     | 1       | 99        | 18.58                 | 18.59                    | 18.53                  |                     |          |
| 20                | 256QAM     | 50      | 0         | 18.62                 | 18.73                    | 18.63                  | 20                  | 2.6      |
| 20                | 256QAM     | 50      | 24        | 18.68                 | 18.69                    | 18.61                  |                     |          |
| 20                | 256QAM     | 50      | 50        | 18.72                 | 18.73                    | 18.61                  |                     |          |
| 20                | 256QAM     | 100     | 0         | 18.67                 | 18.72                    | 18.71                  | 20                  | 2.6      |
| Channel           |            |         |           | 20825                 | 21100                    | 21375                  |                     |          |
| Frequency (MHz)   |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |
| 15                | QPSK       | 1       | 0         | 21.59                 | 21.53                    | 21.46                  | 22.6                | 0        |
| 15                | QPSK       | 1       | 37        | 21.31                 | 21.39                    | 21.39                  |                     |          |
| 15                | QPSK       | 1       | 74        | 21.30                 | 21.35                    | 21.26                  |                     |          |
| 15                | QPSK       | 36      | 0         | 21.23                 | 21.31                    | 21.46                  | 22.6                | 0        |
| 15                | QPSK       | 36      | 20        | 21.17                 | 21.21                    | 21.38                  |                     |          |
| 15                | QPSK       | 36      | 39        | 21.33                 | 21.14                    | 21.29                  |                     |          |
| 15                | QPSK       | 75      | 0         | 21.04                 | 21.34                    | 21.40                  | 22.6                | 0        |
| 15                | 16QAM      | 1       | 0         | 21.50                 | 21.44                    | 21.63                  |                     |          |
| 15                | 16QAM      | 1       | 37        | 21.43                 | 21.67                    | 21.37                  |                     |          |



|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 15              | 16QAM  | 1  | 74 | 21.53 | 21.62 | 21.29 |                     |          |
| 15              | 16QAM  | 36 | 0  | 21.60 | 21.72 | 21.58 | 22.6                | 0        |
| 15              | 16QAM  | 36 | 20 | 21.51 | 21.67 | 21.53 |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.51 | 21.68 | 21.53 |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.54 | 21.58 | 21.47 | 22.6                | 0        |
| 15              | 64QAM  | 1  | 0  | 21.63 | 21.81 | 21.68 |                     |          |
| 15              | 64QAM  | 1  | 37 | 21.56 | 21.72 | 21.67 |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.63 | 21.72 | 21.62 | 22                  | 0.6      |
| 15              | 64QAM  | 36 | 0  | 20.61 | 20.83 | 20.69 |                     |          |
| 15              | 64QAM  | 36 | 20 | 20.42 | 20.67 | 20.59 |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.60 | 20.79 | 20.64 | 20                  | 2.6      |
| 15              | 64QAM  | 75 | 0  | 20.71 | 20.66 | 20.58 |                     |          |
| 15              | 256QAM | 1  | 0  | 18.51 | 18.72 | 18.67 |                     |          |
| 15              | 256QAM | 1  | 37 | 18.57 | 18.67 | 18.60 | 20                  | 2.6      |
| 15              | 256QAM | 1  | 74 | 18.65 | 18.60 | 18.52 |                     |          |
| 15              | 256QAM | 36 | 0  | 18.74 | 18.74 | 18.61 |                     |          |
| 15              | 256QAM | 36 | 20 | 18.69 | 18.65 | 18.63 | 20                  | 2.6      |
| 15              | 256QAM | 36 | 39 | 18.66 | 18.77 | 18.65 |                     |          |
| 15              | 256QAM | 75 | 0  | 18.63 | 18.79 | 18.70 |                     |          |
| Channel         |        |    |    | 20800 | 21100 | 21400 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 2505  | 2535  | 2565  |                     |          |
| 10              | QPSK   | 1  | 0  | 21.58 | 21.43 | 21.42 | 22.6                | 0        |
| 10              | QPSK   | 1  | 25 | 21.45 | 21.48 | 21.30 |                     |          |
| 10              | QPSK   | 1  | 49 | 21.29 | 21.39 | 21.12 |                     |          |
| 10              | QPSK   | 25 | 0  | 21.37 | 21.39 | 21.40 | 22.6                | 0        |
| 10              | QPSK   | 25 | 12 | 21.27 | 21.16 | 21.50 |                     |          |
| 10              | QPSK   | 25 | 25 | 21.39 | 21.24 | 21.32 |                     |          |
| 10              | QPSK   | 50 | 0  | 21.11 | 21.31 | 21.33 | 22.6                | 0        |
| 10              | 16QAM  | 1  | 0  | 21.53 | 21.47 | 21.51 |                     |          |
| 10              | 16QAM  | 1  | 25 | 21.45 | 21.68 | 21.42 |                     |          |
| 10              | 16QAM  | 1  | 49 | 21.38 | 21.55 | 21.31 | 22.6                | 0        |
| 10              | 16QAM  | 25 | 0  | 21.73 | 21.72 | 21.68 |                     |          |
| 10              | 16QAM  | 25 | 12 | 21.61 | 21.70 | 21.60 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.49 | 21.60 | 21.52 | 22                  | 0.6      |
| 10              | 16QAM  | 50 | 0  | 21.51 | 21.59 | 21.55 |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.75 | 21.85 | 21.62 |                     |          |
| 10              | 64QAM  | 1  | 25 | 21.62 | 21.78 | 21.60 | 22.6                | 0        |
| 10              | 64QAM  | 1  | 49 | 21.71 | 21.68 | 21.62 |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.62 | 20.78 | 20.67 |                     |          |
| 10              | 64QAM  | 25 | 12 | 20.57 | 20.68 | 20.53 | 22                  | 0.6      |
| 10              | 64QAM  | 25 | 25 | 20.63 | 20.76 | 20.69 |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.59 | 20.72 | 20.64 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.57 | 18.65 | 18.65 | 20                  | 2.6      |
| 10              | 256QAM | 1  | 25 | 18.50 | 18.61 | 18.62 |                     |          |
| 10              | 256QAM | 1  | 49 | 18.57 | 18.71 | 18.42 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.62 | 18.73 | 18.70 | 20                  | 2.6      |
| 10              | 256QAM | 25 | 12 | 18.70 | 18.72 | 18.72 |                     |          |



|                 |        |    |    |        |       |        |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 10              | 256QAM | 25 | 25 | 18.64  | 18.75 | 18.51  |                     |          |
| 10              | 256QAM | 50 | 0  | 18.64  | 18.65 | 18.71  |                     |          |
| Channel         |        |    |    | 20775  | 21100 | 21425  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 2502.5 | 2535  | 2567.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 21.38  | 21.63 | 21.38  | 22.6                | 0        |
| 5               | QPSK   | 1  | 12 | 21.45  | 21.43 | 21.28  |                     |          |
| 5               | QPSK   | 1  | 24 | 21.50  | 21.34 | 21.15  |                     |          |
| 5               | QPSK   | 12 | 0  | 21.32  | 21.43 | 21.31  | 22.6                | 0        |
| 5               | QPSK   | 12 | 7  | 21.27  | 21.39 | 21.32  |                     |          |
| 5               | QPSK   | 12 | 13 | 21.36  | 21.18 | 21.11  |                     |          |
| 5               | QPSK   | 25 | 0  | 21.06  | 21.32 | 21.27  | 22.6                | 0        |
| 5               | 16QAM  | 1  | 0  | 21.66  | 21.66 | 21.46  |                     |          |
| 5               | 16QAM  | 1  | 12 | 21.41  | 21.58 | 21.33  |                     |          |
| 5               | 16QAM  | 1  | 24 | 21.43  | 21.61 | 21.36  | 22.6                | 0        |
| 5               | 16QAM  | 12 | 0  | 21.62  | 21.86 | 21.61  |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.57  | 21.78 | 21.62  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.60  | 21.72 | 21.47  | 22.6                | 0        |
| 5               | 16QAM  | 25 | 0  | 21.59  | 21.64 | 21.45  |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.61  | 21.80 | 21.68  |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.55  | 21.76 | 21.64  | 22.6                | 0        |
| 5               | 64QAM  | 1  | 24 | 21.59  | 21.76 | 21.71  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.68  | 20.78 | 20.68  |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.50  | 20.62 | 20.55  | 22                  | 0.6      |
| 5               | 64QAM  | 12 | 13 | 20.66  | 20.79 | 20.67  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.67  | 20.66 | 20.62  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.60  | 18.70 | 18.57  | 20                  | 2.6      |
| 5               | 256QAM | 1  | 12 | 18.57  | 18.64 | 18.54  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.66  | 18.68 | 18.46  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.64  | 18.83 | 18.70  | 20                  | 2.6      |
| 5               | 256QAM | 12 | 7  | 18.61  | 18.66 | 18.71  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.71  | 18.73 | 18.66  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.64  | 18.69 | 18.69  |                     |          |





| Band 25 Ant2 Default |            |         |           |                       |                          |                        |                     |          |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel              |            |         |           | 26140                 | 26340                    | 26590                  |                     |          |
| Frequency (MHz)      |            |         |           | 1860                  | 1880                     | 1905                   |                     |          |
| 20                   | QPSK       | 1       | 0         | 23.39                 | 23.50                    | 23.41                  | 25                  | 0        |
| 20                   | QPSK       | 1       | 49        | 23.37                 | 23.40                    | 23.36                  |                     |          |
| 20                   | QPSK       | 1       | 99        | 23.22                 | 23.36                    | 23.20                  |                     |          |
| 20                   | QPSK       | 50      | 0         | 22.43                 | 22.57                    | 22.44                  | 24                  | 1        |
| 20                   | QPSK       | 50      | 24        | 22.43                 | 22.50                    | 22.37                  |                     |          |
| 20                   | QPSK       | 50      | 50        | 22.38                 | 22.52                    | 22.42                  |                     |          |
| 20                   | QPSK       | 100     | 0         | 22.54                 | 22.58                    | 22.51                  | 24                  | 1        |
| 20                   | 16QAM      | 1       | 0         | 22.54                 | 22.66                    | 22.58                  |                     |          |
| 20                   | 16QAM      | 1       | 49        | 22.51                 | 22.62                    | 22.55                  |                     |          |
| 20                   | 16QAM      | 1       | 99        | 22.44                 | 22.53                    | 22.39                  | 23                  | 2        |
| 20                   | 16QAM      | 50      | 0         | 21.37                 | 21.43                    | 21.40                  |                     |          |
| 20                   | 16QAM      | 50      | 24        | 21.21                 | 21.36                    | 21.23                  |                     |          |
| 20                   | 16QAM      | 50      | 50        | 21.28                 | 21.38                    | 21.31                  | 23                  | 2        |
| 20                   | 16QAM      | 100     | 0         | 21.48                 | 21.63                    | 21.59                  |                     |          |
| 20                   | 64QAM      | 1       | 0         | 21.36                 | 21.49                    | 21.38                  |                     |          |
| 20                   | 64QAM      | 1       | 49        | 21.36                 | 21.43                    | 21.40                  | 22                  | 3        |
| 20                   | 64QAM      | 1       | 99        | 21.20                 | 21.36                    | 21.27                  |                     |          |
| 20                   | 64QAM      | 50      | 0         | 20.33                 | 20.46                    | 20.30                  |                     |          |
| 20                   | 64QAM      | 50      | 24        | 20.32                 | 20.36                    | 20.23                  | 20                  | 5        |
| 20                   | 64QAM      | 50      | 50        | 20.30                 | 20.43                    | 20.27                  |                     |          |
| 20                   | 64QAM      | 100     | 0         | 20.45                 | 20.55                    | 20.48                  |                     |          |
| 20                   | 256QAM     | 1       | 0         | 18.42                 | 18.57                    | 18.38                  | 20                  | 5        |
| 20                   | 256QAM     | 1       | 49        | 18.42                 | 18.46                    | 18.37                  |                     |          |
| 20                   | 256QAM     | 1       | 99        | 18.49                 | 18.45                    | 18.30                  |                     |          |
| 20                   | 256QAM     | 50      | 0         | 18.48                 | 18.69                    | 18.43                  | 20                  | 5        |
| 20                   | 256QAM     | 50      | 24        | 18.54                 | 18.55                    | 18.41                  |                     |          |
| 20                   | 256QAM     | 50      | 50        | 18.56                 | 18.53                    | 18.38                  |                     |          |
| 20                   | 256QAM     | 100     | 0         | 18.45                 | 18.58                    | 18.43                  |                     |          |
| Channel              |            |         |           | 26115                 | 26340                    | 26615                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)      |            |         |           | 1857.5                | 1880                     | 1907.5                 |                     |          |
| 15                   | QPSK       | 1       | 0         | 23.23                 | 23.34                    | 23.37                  | 25                  | 0        |
| 15                   | QPSK       | 1       | 37        | 23.23                 | 23.24                    | 23.20                  |                     |          |
| 15                   | QPSK       | 1       | 74        | 23.14                 | 23.27                    | 23.08                  |                     |          |
| 15                   | QPSK       | 36      | 0         | 22.28                 | 22.53                    | 22.30                  | 24                  | 1        |
| 15                   | QPSK       | 36      | 20        | 22.40                 | 22.46                    | 22.33                  |                     |          |
| 15                   | QPSK       | 36      | 39        | 22.32                 | 22.39                    | 22.37                  |                     |          |
| 15                   | QPSK       | 75      | 0         | 22.47                 | 22.41                    | 22.48                  | 24                  | 1        |
| 15                   | 16QAM      | 1       | 0         | 22.41                 | 22.54                    | 22.42                  |                     |          |
| 15                   | 16QAM      | 1       | 37        | 22.35                 | 22.49                    | 22.44                  |                     |          |



|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 15              | 16QAM  | 1  | 74 | 22.32 | 22.44 | 22.27 |                     |          |
| 15              | 16QAM  | 36 | 0  | 21.33 | 21.38 | 21.30 | 23                  | 2        |
| 15              | 16QAM  | 36 | 20 | 21.05 | 21.25 | 21.20 |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.12 | 21.30 | 21.21 |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.39 | 21.54 | 21.42 |                     |          |
| 15              | 64QAM  | 1  | 0  | 21.28 | 21.33 | 21.23 | 23                  | 2        |
| 15              | 64QAM  | 1  | 37 | 21.21 | 21.37 | 21.36 |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.08 | 21.25 | 21.11 |                     |          |
| 15              | 64QAM  | 36 | 0  | 20.25 | 20.44 | 20.17 | 22                  | 3        |
| 15              | 64QAM  | 36 | 20 | 20.22 | 20.29 | 20.20 |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.18 | 20.28 | 20.19 |                     |          |
| 15              | 64QAM  | 75 | 0  | 20.31 | 20.45 | 20.43 |                     |          |
| 15              | 256QAM | 1  | 0  | 18.32 | 18.48 | 18.47 | 20                  | 5        |
| 15              | 256QAM | 1  | 37 | 18.39 | 18.45 | 18.36 |                     |          |
| 15              | 256QAM | 1  | 74 | 18.38 | 18.39 | 18.27 |                     |          |
| 15              | 256QAM | 36 | 0  | 18.48 | 18.63 | 18.44 | 20                  | 5        |
| 15              | 256QAM | 36 | 20 | 18.50 | 18.46 | 18.45 |                     |          |
| 15              | 256QAM | 36 | 39 | 18.54 | 18.51 | 18.43 |                     |          |
| 15              | 256QAM | 75 | 0  | 18.53 | 18.53 | 18.49 |                     |          |
| Channel         |        |    |    | 26090 | 26340 | 26640 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1855  | 1880  | 1910  |                     |          |
| 10              | QPSK   | 1  | 0  | 23.25 | 23.48 | 23.31 | 25                  | 0        |
| 10              | QPSK   | 1  | 25 | 23.29 | 23.32 | 23.24 |                     |          |
| 10              | QPSK   | 1  | 49 | 23.11 | 23.28 | 23.16 |                     |          |
| 10              | QPSK   | 25 | 0  | 22.28 | 22.52 | 22.30 | 24                  | 1        |
| 10              | QPSK   | 25 | 12 | 22.28 | 22.48 | 22.23 |                     |          |
| 10              | QPSK   | 25 | 25 | 22.28 | 22.42 | 22.25 |                     |          |
| 10              | QPSK   | 50 | 0  | 22.51 | 22.44 | 22.35 |                     |          |
| 10              | 16QAM  | 1  | 0  | 22.44 | 22.53 | 22.49 | 24                  | 1        |
| 10              | 16QAM  | 1  | 25 | 22.35 | 22.56 | 22.44 |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.41 | 22.51 | 22.24 |                     |          |
| 10              | 16QAM  | 25 | 0  | 21.26 | 21.36 | 21.38 | 23                  | 2        |
| 10              | 16QAM  | 25 | 12 | 21.04 | 21.33 | 21.13 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.11 | 21.33 | 21.20 |                     |          |
| 10              | 16QAM  | 50 | 0  | 21.31 | 21.47 | 21.50 |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.20 | 21.37 | 21.34 | 23                  | 2        |
| 10              | 64QAM  | 1  | 25 | 21.32 | 21.39 | 21.31 |                     |          |
| 10              | 64QAM  | 1  | 49 | 21.09 | 21.28 | 21.21 |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.21 | 20.39 | 20.27 | 22                  | 3        |
| 10              | 64QAM  | 25 | 12 | 20.26 | 20.31 | 20.09 |                     |          |
| 10              | 64QAM  | 25 | 25 | 20.26 | 20.36 | 20.23 |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.42 | 20.41 | 20.43 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.42 | 18.46 | 18.46 | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.33 | 18.45 | 18.46 |                     |          |
| 10              | 256QAM | 1  | 49 | 18.39 | 18.53 | 18.34 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.49 | 18.54 | 18.52 | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.51 | 18.53 | 18.49 |                     |          |



|                 |        |    |    |        |       |        |                     |          |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|---------------------|----------|
| 10              | 256QAM | 25 | 25 | 18.53  | 18.52 | 18.43  |                     |          |                     |          |
| 10              | 256QAM | 50 | 0  | 18.50  | 18.58 | 18.44  |                     |          |                     |          |
| Channel         |        |    |    | 26065  | 26340 | 26665  | Tune-up limit (dBm) | MPR (dB) |                     |          |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1912.5 |                     |          |                     |          |
| 5               | QPSK   | 1  | 0  | 23.37  | 23.41 | 23.36  | 25                  | 0        |                     |          |
| 5               | QPSK   | 1  | 12 | 23.25  | 23.37 | 23.27  |                     |          |                     |          |
| 5               | QPSK   | 1  | 24 | 23.11  | 23.19 | 23.07  |                     |          |                     |          |
| 5               | QPSK   | 12 | 0  | 22.40  | 22.41 | 22.34  | 24                  | 1        |                     |          |
| 5               | QPSK   | 12 | 7  | 22.35  | 22.46 | 22.25  |                     |          |                     |          |
| 5               | QPSK   | 12 | 13 | 22.29  | 22.42 | 22.31  |                     |          |                     |          |
| 5               | QPSK   | 25 | 0  | 22.47  | 22.51 | 22.46  | 24                  | 1        |                     |          |
| 5               | 16QAM  | 1  | 0  | 22.45  | 22.61 | 22.53  |                     |          |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.40  | 22.58 | 22.38  |                     |          |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.30  | 22.36 | 22.35  | 23                  | 2        |                     |          |
| 5               | 16QAM  | 12 | 0  | 21.26  | 21.31 | 21.24  |                     |          |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.08  | 21.22 | 21.12  |                     |          |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.20  | 21.31 | 21.17  | 23                  | 2        |                     |          |
| 5               | 16QAM  | 25 | 0  | 21.41  | 21.53 | 21.48  |                     |          |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.26  | 21.38 | 21.21  |                     |          |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.25  | 21.33 | 21.35  | 23                  | 2        |                     |          |
| 5               | 64QAM  | 1  | 24 | 21.13  | 21.28 | 21.24  |                     |          |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.19  | 20.36 | 20.19  |                     |          |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.20  | 20.33 | 20.11  | 22                  | 3        |                     |          |
| 5               | 64QAM  | 12 | 13 | 20.19  | 20.36 | 20.11  |                     |          |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.31  | 20.52 | 20.34  |                     |          |                     |          |
| 5               | 256QAM | 1  | 0  | 18.37  | 18.46 | 18.47  | 20                  | 5        |                     |          |
| 5               | 256QAM | 1  | 12 | 18.43  | 18.44 | 18.37  |                     |          |                     |          |
| 5               | 256QAM | 1  | 24 | 18.35  | 18.53 | 18.31  |                     |          |                     |          |
| 5               | 256QAM | 12 | 0  | 18.53  | 18.65 | 18.48  | 20                  | 5        |                     |          |
| 5               | 256QAM | 12 | 7  | 18.45  | 18.46 | 18.45  |                     |          |                     |          |
| 5               | 256QAM | 12 | 13 | 18.45  | 18.61 | 18.45  |                     |          |                     |          |
| 5               | 256QAM | 25 | 0  | 18.49  | 18.48 | 18.42  | 20                  | 5        |                     |          |
| Channel         |        |    |    | 26055  | 26340 | 26675  |                     |          | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1913.5 |                     |          |                     |          |
| 3               | QPSK   | 1  | 0  | 23.25  | 23.41 | 23.28  | 25                  | 0        |                     |          |
| 3               | QPSK   | 1  | 8  | 23.22  | 23.32 | 23.29  |                     |          |                     |          |
| 3               | QPSK   | 1  | 14 | 23.12  | 23.28 | 23.13  |                     |          |                     |          |
| 3               | QPSK   | 8  | 0  | 22.36  | 22.53 | 22.32  | 24                  | 1        |                     |          |
| 3               | QPSK   | 8  | 4  | 22.37  | 22.48 | 22.31  |                     |          |                     |          |
| 3               | QPSK   | 8  | 7  | 22.35  | 22.49 | 22.25  |                     |          |                     |          |
| 3               | QPSK   | 15 | 0  | 22.48  | 22.42 | 22.42  | 24                  | 1        |                     |          |
| 3               | 16QAM  | 1  | 0  | 22.49  | 22.57 | 22.46  |                     |          |                     |          |
| 3               | 16QAM  | 1  | 8  | 22.45  | 22.59 | 22.53  |                     |          |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.29  | 22.49 | 22.34  | 23                  | 2        |                     |          |
| 3               | 16QAM  | 8  | 0  | 21.22  | 21.30 | 21.35  |                     |          |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.07  | 21.31 | 21.13  |                     |          |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.15  | 21.36 | 21.29  | 23                  | 2        |                     |          |



|                 |        |    |    |        |       |        |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 3               | 16QAM  | 15 | 0  | 21.32  | 21.47 | 21.47  |                     |          |
| 3               | 64QAM  | 1  | 0  | 21.29  | 21.41 | 21.33  | 23                  | 2        |
| 3               | 64QAM  | 1  | 8  | 21.21  | 21.41 | 21.32  |                     |          |
| 3               | 64QAM  | 1  | 14 | 21.09  | 21.21 | 21.24  |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.18  | 20.32 | 20.26  | 22                  | 3        |
| 3               | 64QAM  | 8  | 4  | 20.26  | 20.26 | 20.11  |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.20  | 20.37 | 20.20  |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.36  | 20.39 | 20.45  |                     |          |
| 3               | 256QAM | 1  | 0  | 18.31  | 18.52 | 18.46  | 20                  | 5        |
| 3               | 256QAM | 1  | 8  | 18.31  | 18.46 | 18.44  |                     |          |
| 3               | 256QAM | 1  | 14 | 18.49  | 18.39 | 18.34  |                     |          |
| 3               | 256QAM | 8  | 0  | 18.57  | 18.64 | 18.57  | 20                  | 5        |
| 3               | 256QAM | 8  | 4  | 18.45  | 18.54 | 18.49  |                     |          |
| 3               | 256QAM | 8  | 7  | 18.54  | 18.55 | 18.46  |                     |          |
| 3               | 256QAM | 15 | 0  | 18.52  | 18.48 | 18.43  |                     |          |
| Channel         |        |    |    | 26047  | 26340 | 26683  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1914.3 |                     |          |
| 1.4             | QPSK   | 1  | 0  | 23.30  | 23.46 | 23.38  | 25                  | 0        |
| 1.4             | QPSK   | 1  | 3  | 23.21  | 23.36 | 23.31  |                     |          |
| 1.4             | QPSK   | 1  | 5  | 23.11  | 23.23 | 23.05  |                     |          |
| 1.4             | QPSK   | 3  | 0  | 23.29  | 23.47 | 23.41  |                     |          |
| 1.4             | QPSK   | 3  | 1  | 23.38  | 23.35 | 23.26  |                     |          |
| 1.4             | QPSK   | 3  | 3  | 23.28  | 23.35 | 23.31  | 24                  | 1        |
| 1.4             | QPSK   | 6  | 0  | 22.48  | 22.53 | 22.47  |                     |          |
| 1.4             | 16QAM  | 1  | 0  | 22.41  | 22.61 | 22.42  | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 3  | 22.47  | 22.54 | 22.49  |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 22.31  | 22.46 | 22.37  |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 22.23  | 22.28 | 22.34  |                     |          |
| 1.4             | 16QAM  | 3  | 1  | 22.11  | 22.31 | 22.13  |                     |          |
| 1.4             | 16QAM  | 3  | 3  | 22.12  | 22.34 | 22.26  |                     |          |
| 1.4             | 16QAM  | 6  | 0  | 21.37  | 21.53 | 21.46  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 0  | 21.32  | 21.32 | 21.34  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 3  | 21.32  | 21.32 | 21.35  |                     |          |
| 1.4             | 64QAM  | 1  | 5  | 21.03  | 21.28 | 21.11  |                     |          |
| 1.4             | 64QAM  | 3  | 0  | 21.24  | 21.39 | 21.22  |                     |          |
| 1.4             | 64QAM  | 3  | 1  | 21.18  | 21.23 | 21.17  |                     |          |
| 1.4             | 64QAM  | 3  | 3  | 21.23  | 21.32 | 21.18  |                     |          |
| 1.4             | 64QAM  | 6  | 0  | 20.37  | 20.46 | 20.35  | 22                  | 3        |
| 1.4             | 256QAM | 1  | 0  | 18.31  | 18.48 | 18.37  | 20                  | 5        |
| 1.4             | 256QAM | 1  | 3  | 18.43  | 18.41 | 18.39  |                     |          |
| 1.4             | 256QAM | 1  | 5  | 18.45  | 18.51 | 18.37  |                     |          |
| 1.4             | 256QAM | 3  | 0  | 18.57  | 18.59 | 18.57  |                     |          |
| 1.4             | 256QAM | 3  | 1  | 18.51  | 18.53 | 18.49  |                     |          |
| 1.4             | 256QAM | 3  | 3  | 18.52  | 18.64 | 18.45  |                     |          |
| 1.4             | 256QAM | 6  | 0  | 18.53  | 18.55 | 18.46  | 20                  | 5        |



| Band 66 Ant2 Default |            |         |           |                       |                          |                        |                     |          |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel              |            |         |           | 132072                | 132322                   | 132572                 |                     |          |
| Frequency (MHz)      |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |
| 20                   | QPSK       | 1       | 0         | 23.42                 | 23.60                    | 23.47                  | 25                  | 0        |
| 20                   | QPSK       | 1       | 49        | 23.39                 | 23.50                    | 23.44                  |                     |          |
| 20                   | QPSK       | 1       | 99        | 23.37                 | 23.49                    | 23.41                  |                     |          |
| 20                   | QPSK       | 50      | 0         | 22.60                 | 22.64                    | 22.48                  | 24                  | 1        |
| 20                   | QPSK       | 50      | 24        | 22.44                 | 22.55                    | 22.39                  |                     |          |
| 20                   | QPSK       | 50      | 50        | 22.40                 | 22.47                    | 22.41                  |                     |          |
| 20                   | QPSK       | 100     | 0         | 22.45                 | 22.51                    | 22.34                  | 24                  | 1        |
| 20                   | 16QAM      | 1       | 0         | 22.69                 | 22.71                    | 22.59                  |                     |          |
| 20                   | 16QAM      | 1       | 49        | 22.49                 | 22.57                    | 22.48                  |                     |          |
| 20                   | 16QAM      | 1       | 99        | 22.52                 | 22.63                    | 22.60                  | 23                  | 2        |
| 20                   | 16QAM      | 50      | 0         | 21.47                 | 21.56                    | 21.46                  |                     |          |
| 20                   | 16QAM      | 50      | 24        | 21.41                 | 21.43                    | 21.39                  |                     |          |
| 20                   | 16QAM      | 50      | 50        | 21.27                 | 21.41                    | 21.35                  | 23                  | 2        |
| 20                   | 16QAM      | 100     | 0         | 21.45                 | 21.58                    | 21.47                  |                     |          |
| 20                   | 64QAM      | 1       | 0         | 21.46                 | 21.60                    | 21.56                  |                     |          |
| 20                   | 64QAM      | 1       | 49        | 21.30                 | 21.45                    | 21.43                  | 23                  | 2        |
| 20                   | 64QAM      | 1       | 99        | 21.45                 | 21.57                    | 21.49                  |                     |          |
| 20                   | 64QAM      | 50      | 0         | 20.44                 | 20.56                    | 20.41                  |                     |          |
| 20                   | 64QAM      | 50      | 24        | 20.39                 | 20.45                    | 20.33                  | 22                  | 3        |
| 20                   | 64QAM      | 50      | 50        | 20.34                 | 20.45                    | 20.39                  |                     |          |
| 20                   | 64QAM      | 100     | 0         | 20.44                 | 20.52                    | 20.46                  |                     |          |
| 20                   | 256QAM     | 1       | 0         | 18.37                 | 18.54                    | 18.47                  | 20                  | 5        |
| 20                   | 256QAM     | 1       | 49        | 18.31                 | 18.45                    | 18.37                  |                     |          |
| 20                   | 256QAM     | 1       | 99        | 18.36                 | 18.48                    | 18.38                  |                     |          |
| 20                   | 256QAM     | 50      | 0         | 18.56                 | 18.56                    | 18.43                  | 20                  | 5        |
| 20                   | 256QAM     | 50      | 24        | 18.48                 | 18.52                    | 18.46                  |                     |          |
| 20                   | 256QAM     | 50      | 50        | 18.55                 | 18.62                    | 18.41                  |                     |          |
| 20                   | 256QAM     | 100     | 0         | 18.45                 | 18.56                    | 18.51                  |                     |          |
| Channel              |            |         |           | 132047                | 132322                   | 132597                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)      |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |
| 15                   | QPSK       | 1       | 0         | 23.27                 | 23.46                    | 23.31                  | 25                  | 0        |
| 15                   | QPSK       | 1       | 37        | 23.36                 | 23.44                    | 23.35                  |                     |          |
| 15                   | QPSK       | 1       | 74        | 23.31                 | 23.43                    | 23.37                  |                     |          |
| 15                   | QPSK       | 36      | 0         | 22.52                 | 22.49                    | 22.41                  | 24                  | 1        |
| 15                   | QPSK       | 36      | 20        | 22.40                 | 22.47                    | 22.31                  |                     |          |
| 15                   | QPSK       | 36      | 39        | 22.24                 | 22.37                    | 22.26                  |                     |          |
| 15                   | QPSK       | 75      | 0         | 22.43                 | 22.36                    | 22.17                  | 24                  | 1        |
| 15                   | 16QAM      | 1       | 0         | 22.67                 | 22.55                    | 22.50                  |                     |          |
| 15                   | 16QAM      | 1       | 37        | 22.43                 | 22.53                    | 22.33                  |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15              | 16QAM  | 1  | 74 | 22.39  | 22.56  | 22.48  |                     |          |
| 15              | 16QAM  | 36 | 0  | 21.38  | 21.41  | 21.33  | 23                  | 2        |
| 15              | 16QAM  | 36 | 20 | 21.36  | 21.39  | 21.33  |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.16  | 21.31  | 21.21  |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.29  | 21.49  | 21.31  |                     |          |
| 15              | 64QAM  | 1  | 0  | 21.36  | 21.47  | 21.40  | 23                  | 2        |
| 15              | 64QAM  | 1  | 37 | 21.24  | 21.34  | 21.37  |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.34  | 21.40  | 21.36  |                     |          |
| 15              | 64QAM  | 36 | 0  | 20.38  | 20.48  | 20.38  | 22                  | 3        |
| 15              | 64QAM  | 36 | 20 | 20.33  | 20.32  | 20.30  |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.22  | 20.40  | 20.36  |                     |          |
| 15              | 64QAM  | 75 | 0  | 20.30  | 20.37  | 20.34  |                     |          |
| 15              | 256QAM | 1  | 0  | 18.37  | 18.46  | 18.45  | 20                  | 5        |
| 15              | 256QAM | 1  | 37 | 18.33  | 18.42  | 18.43  |                     |          |
| 15              | 256QAM | 1  | 74 | 18.42  | 18.50  | 18.30  |                     |          |
| 15              | 256QAM | 36 | 0  | 18.55  | 18.55  | 18.57  | 20                  | 5        |
| 15              | 256QAM | 36 | 20 | 18.50  | 18.45  | 18.46  |                     |          |
| 15              | 256QAM | 36 | 39 | 18.52  | 18.55  | 18.35  |                     |          |
| 15              | 256QAM | 75 | 0  | 18.42  | 18.56  | 18.53  |                     |          |
| Channel         |        |    |    | 132022 | 132322 | 132622 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1715   | 1745   | 1775   |                     |          |
| 10              | QPSK   | 1  | 0  | 23.29  | 23.57  | 23.35  | 25                  | 0        |
| 10              | QPSK   | 1  | 25 | 23.28  | 23.39  | 23.39  |                     |          |
| 10              | QPSK   | 1  | 49 | 23.31  | 23.38  | 23.36  |                     |          |
| 10              | QPSK   | 25 | 0  | 22.43  | 22.53  | 22.31  | 24                  | 1        |
| 10              | QPSK   | 25 | 12 | 22.33  | 22.52  | 22.23  |                     |          |
| 10              | QPSK   | 25 | 25 | 22.33  | 22.38  | 22.35  |                     |          |
| 10              | QPSK   | 50 | 0  | 22.40  | 22.35  | 22.21  |                     |          |
| 10              | 16QAM  | 1  | 0  | 22.60  | 22.66  | 22.56  | 24                  | 1        |
| 10              | 16QAM  | 1  | 25 | 22.41  | 22.55  | 22.40  |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.36  | 22.58  | 22.56  |                     |          |
| 10              | 16QAM  | 25 | 0  | 21.39  | 21.39  | 21.36  | 23                  | 2        |
| 10              | 16QAM  | 25 | 12 | 21.25  | 21.35  | 21.32  |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.22  | 21.30  | 21.31  |                     |          |
| 10              | 16QAM  | 50 | 0  | 21.41  | 21.45  | 21.44  |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.35  | 21.52  | 21.41  | 23                  | 2        |
| 10              | 64QAM  | 1  | 25 | 21.18  | 21.29  | 21.26  |                     |          |
| 10              | 64QAM  | 1  | 49 | 21.41  | 21.51  | 21.42  |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.37  | 20.39  | 20.34  | 22                  | 3        |
| 10              | 64QAM  | 25 | 12 | 20.33  | 20.30  | 20.20  |                     |          |
| 10              | 64QAM  | 25 | 25 | 20.25  | 20.34  | 20.36  |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.39  | 20.47  | 20.38  |                     |          |
| 10              | 256QAM | 1  | 0  | 18.33  | 18.56  | 18.49  | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.43  | 18.38  | 18.42  |                     |          |
| 10              | 256QAM | 1  | 49 | 18.40  | 18.45  | 18.32  |                     |          |
| 10              | 256QAM | 25 | 0  | 18.58  | 18.59  | 18.56  | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.49  | 18.43  | 18.41  |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 10              | 256QAM | 25 | 25 | 18.53  | 18.57  | 18.48  |                     |          |
| 10              | 256QAM | 50 | 0  | 18.43  | 18.50  | 18.51  |                     |          |
| Channel         |        |    |    | 131997 | 132322 | 132647 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1712.5 | 1745   | 1777.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 23.27  | 23.53  | 23.34  | 25                  | 0        |
| 5               | QPSK   | 1  | 12 | 23.30  | 23.42  | 23.33  |                     |          |
| 5               | QPSK   | 1  | 24 | 23.25  | 23.44  | 23.32  |                     |          |
| 5               | QPSK   | 12 | 0  | 22.52  | 22.62  | 22.37  | 24                  | 1        |
| 5               | QPSK   | 12 | 7  | 22.41  | 22.41  | 22.34  |                     |          |
| 5               | QPSK   | 12 | 13 | 22.26  | 22.31  | 22.29  |                     |          |
| 5               | QPSK   | 25 | 0  | 22.34  | 22.46  | 22.19  |                     |          |
| 5               | 16QAM  | 1  | 0  | 22.64  | 22.59  | 22.54  | 24                  | 1        |
| 5               | 16QAM  | 1  | 12 | 22.42  | 22.47  | 22.36  |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.44  | 22.49  | 22.51  |                     |          |
| 5               | 16QAM  | 12 | 0  | 21.39  | 21.52  | 21.36  | 23                  | 2        |
| 5               | 16QAM  | 12 | 7  | 21.32  | 21.30  | 21.29  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.14  | 21.30  | 21.30  |                     |          |
| 5               | 16QAM  | 25 | 0  | 21.29  | 21.51  | 21.41  |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.30  | 21.50  | 21.44  | 23                  | 2        |
| 5               | 64QAM  | 1  | 12 | 21.25  | 21.43  | 21.29  |                     |          |
| 5               | 64QAM  | 1  | 24 | 21.39  | 21.47  | 21.33  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.34  | 20.54  | 20.35  | 22                  | 3        |
| 5               | 64QAM  | 12 | 7  | 20.24  | 20.33  | 20.24  |                     |          |
| 5               | 64QAM  | 12 | 13 | 20.20  | 20.29  | 20.35  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.28  | 20.38  | 20.30  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.40  | 18.57  | 18.48  | 20                  | 5        |
| 5               | 256QAM | 1  | 12 | 18.38  | 18.37  | 18.38  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.47  | 18.51  | 18.30  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.44  | 18.65  | 18.55  | 20                  | 5        |
| 5               | 256QAM | 12 | 7  | 18.52  | 18.55  | 18.53  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.53  | 18.53  | 18.37  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.41  | 18.55  | 18.49  |                     |          |
| Channel         |        |    |    | 131987 | 132322 | 132657 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1711.5 | 1745   | 1778.5 |                     |          |
| 3               | QPSK   | 1  | 0  | 23.25  | 23.50  | 23.39  | 25                  | 0        |
| 3               | QPSK   | 1  | 8  | 23.25  | 23.38  | 23.32  |                     |          |
| 3               | QPSK   | 1  | 14 | 23.27  | 23.35  | 23.34  |                     |          |
| 3               | QPSK   | 8  | 0  | 22.48  | 22.58  | 22.44  | 24                  | 1        |
| 3               | QPSK   | 8  | 4  | 22.33  | 22.42  | 22.33  |                     |          |
| 3               | QPSK   | 8  | 7  | 22.26  | 22.37  | 22.26  |                     |          |
| 3               | QPSK   | 15 | 0  | 22.34  | 22.36  | 22.27  |                     |          |
| 3               | 16QAM  | 1  | 0  | 22.60  | 22.59  | 22.54  | 24                  | 1        |
| 3               | 16QAM  | 1  | 8  | 22.32  | 22.51  | 22.42  |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.49  | 22.48  | 22.46  |                     |          |
| 3               | 16QAM  | 8  | 0  | 21.38  | 21.39  | 21.41  | 23                  | 2        |
| 3               | 16QAM  | 8  | 4  | 21.36  | 21.27  | 21.31  |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.23  | 21.25  | 21.31  |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 3               | 16QAM  | 15 | 0  | 21.39  | 21.42  | 21.31  |                     |          |
| 3               | 64QAM  | 1  | 0  | 21.36  | 21.47  | 21.51  | 23                  | 2        |
| 3               | 64QAM  | 1  | 8  | 21.15  | 21.43  | 21.31  |                     |          |
| 3               | 64QAM  | 1  | 14 | 21.35  | 21.51  | 21.34  |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.28  | 20.49  | 20.28  | 22                  | 3        |
| 3               | 64QAM  | 8  | 4  | 20.31  | 20.31  | 20.25  |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.18  | 20.39  | 20.25  |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.42  | 20.42  | 20.39  |                     |          |
| 3               | 256QAM | 1  | 0  | 18.31  | 18.55  | 18.45  | 20                  | 5        |
| 3               | 256QAM | 1  | 8  | 18.41  | 18.38  | 18.39  |                     |          |
| 3               | 256QAM | 1  | 14 | 18.39  | 18.48  | 18.38  |                     |          |
| 3               | 256QAM | 8  | 0  | 18.47  | 18.56  | 18.46  | 20                  | 5        |
| 3               | 256QAM | 8  | 4  | 18.48  | 18.57  | 18.53  |                     |          |
| 3               | 256QAM | 8  | 7  | 18.52  | 18.58  | 18.34  |                     |          |
| 3               | 256QAM | 15 | 0  | 18.43  | 18.53  | 18.50  |                     |          |
| Channel         |        |    |    | 131979 | 132322 | 132665 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1710.7 | 1745   | 1779.3 |                     |          |
| 1.4             | QPSK   | 1  | 0  | 23.39  | 23.45  | 23.40  | 25                  | 0        |
| 1.4             | QPSK   | 1  | 3  | 23.26  | 23.35  | 23.37  |                     |          |
| 1.4             | QPSK   | 1  | 5  | 23.21  | 23.46  | 23.38  |                     |          |
| 1.4             | QPSK   | 3  | 0  | 23.55  | 23.49  | 23.42  |                     |          |
| 1.4             | QPSK   | 3  | 1  | 23.39  | 23.46  | 23.36  |                     |          |
| 1.4             | QPSK   | 3  | 3  | 23.28  | 23.44  | 23.25  | 24                  | 1        |
| 1.4             | QPSK   | 6  | 0  | 22.33  | 22.41  | 22.25  |                     |          |
| 1.4             | 16QAM  | 1  | 0  | 22.66  | 22.55  | 22.53  | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 3  | 22.35  | 22.54  | 22.41  |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 22.35  | 22.54  | 22.45  |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 22.36  | 22.44  | 22.31  |                     |          |
| 1.4             | 16QAM  | 3  | 1  | 22.39  | 22.35  | 22.29  |                     |          |
| 1.4             | 16QAM  | 3  | 3  | 22.15  | 22.32  | 22.31  |                     |          |
| 1.4             | 16QAM  | 6  | 0  | 21.42  | 21.47  | 21.41  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 0  | 21.42  | 21.55  | 21.39  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 3  | 21.20  | 21.42  | 21.30  |                     |          |
| 1.4             | 64QAM  | 1  | 5  | 21.38  | 21.40  | 21.45  |                     |          |
| 1.4             | 64QAM  | 3  | 0  | 21.36  | 21.52  | 21.25  |                     |          |
| 1.4             | 64QAM  | 3  | 1  | 21.27  | 21.38  | 21.29  |                     |          |
| 1.4             | 64QAM  | 3  | 3  | 21.27  | 21.29  | 21.24  |                     |          |
| 1.4             | 64QAM  | 6  | 0  | 20.39  | 20.43  | 20.37  | 22                  | 3        |
| 1.4             | 256QAM | 1  | 0  | 18.43  | 18.49  | 18.37  | 20                  | 5        |
| 1.4             | 256QAM | 1  | 3  | 18.29  | 18.40  | 18.33  |                     |          |
| 1.4             | 256QAM | 1  | 5  | 18.49  | 18.41  | 18.33  |                     |          |
| 1.4             | 256QAM | 3  | 0  | 18.57  | 18.64  | 18.55  |                     |          |
| 1.4             | 256QAM | 3  | 1  | 18.52  | 18.47  | 18.53  |                     |          |
| 1.4             | 256QAM | 3  | 3  | 18.54  | 18.57  | 18.39  |                     |          |
| 1.4             | 256QAM | 6  | 0  | 18.50  | 18.52  | 18.52  | 20                  | 5        |





Reduced Power Mode for DSI 2

| Band 5 Ant0 Default |            |         |           |                       |                          |                        |                     |          |
|---------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel             |            |         |           | 20450                 | 20525                    | 20600                  |                     |          |
| Frequency (MHz)     |            |         |           | 829                   | 836.5                    | 844                    |                     |          |
| 10                  | QPSK       | 1       | 0         | 23.68                 | 23.76                    | 23.60                  | 25                  | 0        |
| 10                  | QPSK       | 1       | 25        | 23.47                 | 23.60                    | 23.56                  |                     |          |
| 10                  | QPSK       | 1       | 49        | 23.61                 | 23.63                    | 23.52                  |                     |          |
| 10                  | QPSK       | 25      | 0         | 22.49                 | 22.71                    | 22.60                  | 24                  | 1        |
| 10                  | QPSK       | 25      | 12        | 22.58                 | 22.62                    | 22.57                  |                     |          |
| 10                  | QPSK       | 25      | 25        | 22.61                 | 22.68                    | 22.56                  |                     |          |
| 10                  | QPSK       | 50      | 0         | 22.50                 | 22.57                    | 22.52                  | 24                  | 1        |
| 10                  | 16QAM      | 1       | 0         | 22.67                 | 22.83                    | 22.75                  |                     |          |
| 10                  | 16QAM      | 1       | 25        | 22.74                 | 22.80                    | 22.64                  |                     |          |
| 10                  | 16QAM      | 1       | 49        | 22.66                 | 22.77                    | 22.65                  | 23                  | 2        |
| 10                  | 16QAM      | 25      | 0         | 21.64                 | 21.71                    | 21.62                  |                     |          |
| 10                  | 16QAM      | 25      | 12        | 21.54                 | 21.61                    | 21.46                  |                     |          |
| 10                  | 16QAM      | 25      | 25        | 21.52                 | 21.57                    | 21.44                  | 23                  | 2        |
| 10                  | 16QAM      | 50      | 0         | 21.51                 | 21.54                    | 21.41                  |                     |          |
| 10                  | 64QAM      | 1       | 0         | 21.75                 | 21.78                    | 21.72                  |                     |          |
| 10                  | 64QAM      | 1       | 25        | 21.58                 | 21.75                    | 21.64                  | 23                  | 2        |
| 10                  | 64QAM      | 1       | 49        | 21.52                 | 21.66                    | 21.61                  |                     |          |
| 10                  | 64QAM      | 25      | 0         | 20.61                 | 20.69                    | 20.61                  |                     |          |
| 10                  | 64QAM      | 25      | 12        | 20.53                 | 20.60                    | 20.54                  | 22                  | 3        |
| 10                  | 64QAM      | 25      | 25        | 20.48                 | 20.56                    | 20.47                  |                     |          |
| 10                  | 64QAM      | 50      | 0         | 20.48                 | 20.65                    | 20.56                  |                     |          |
| 10                  | 256QAM     | 1       | 0         | 18.57                 | 18.74                    | 18.73                  | 20                  | 5        |
| 10                  | 256QAM     | 1       | 25        | 18.64                 | 18.72                    | 18.65                  |                     |          |
| 10                  | 256QAM     | 1       | 49        | 18.62                 | 18.70                    | 18.64                  |                     |          |
| 10                  | 256QAM     | 25      | 0         | 18.77                 | 18.84                    | 18.72                  | 20                  | 5        |
| 10                  | 256QAM     | 25      | 12        | 18.69                 | 18.78                    | 18.69                  |                     |          |
| 10                  | 256QAM     | 25      | 25        | 18.75                 | 18.80                    | 18.63                  |                     |          |
| 10                  | 256QAM     | 50      | 0         | 18.66                 | 18.73                    | 18.67                  |                     |          |
| Channel             |            |         |           | 20425                 | 20525                    | 20625                  |                     |          |
| Frequency (MHz)     |            |         |           | 826.5                 | 836.5                    | 846.5                  | Tune-up limit (dBm) | MPR (dB) |
| 5                   | QPSK       | 1       | 0         | 23.56                 | 23.66                    | 23.54                  |                     |          |
| 5                   | QPSK       | 1       | 12        | 23.40                 | 23.54                    | 23.51                  | 25                  | 0        |
| 5                   | QPSK       | 1       | 24        | 23.55                 | 23.48                    | 23.39                  |                     |          |
| 5                   | QPSK       | 12      | 0         | 22.35                 | 22.51                    | 22.57                  |                     |          |
| 5                   | QPSK       | 12      | 7         | 22.48                 | 22.64                    | 22.50                  | 24                  | 1        |
| 5                   | QPSK       | 12      | 13        | 22.57                 | 22.53                    | 22.51                  |                     |          |
| 5                   | QPSK       | 25      | 0         | 22.41                 | 22.49                    | 22.39                  |                     |          |
| 5                   | 16QAM      | 1       | 0         | 22.57                 | 22.68                    | 22.65                  | 24                  | 1        |
| 5                   | 16QAM      | 1       | 12        | 22.67                 | 22.65                    | 22.57                  |                     |          |



|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 5               | 16QAM  | 1  | 24 | 22.58 | 22.65 | 22.57 |                     |          |
| 5               | 16QAM  | 12 | 0  | 21.55 | 21.63 | 21.56 | 23                  | 2        |
| 5               | 16QAM  | 12 | 7  | 21.47 | 21.49 | 21.38 |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.39 | 21.43 | 21.32 |                     |          |
| 5               | 16QAM  | 25 | 0  | 21.47 | 21.44 | 21.38 |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.72 | 21.62 | 21.65 | 23                  | 2        |
| 5               | 64QAM  | 1  | 12 | 21.50 | 21.72 | 21.62 |                     |          |
| 5               | 64QAM  | 1  | 24 | 21.45 | 21.53 | 21.48 |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.51 | 20.63 | 20.49 | 22                  | 3        |
| 5               | 64QAM  | 12 | 7  | 20.49 | 20.51 | 20.46 |                     |          |
| 5               | 64QAM  | 12 | 13 | 20.37 | 20.47 | 20.44 |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.37 | 20.56 | 20.47 |                     |          |
| 5               | 256QAM | 1  | 0  | 18.55 | 18.82 | 18.72 | 20                  | 5        |
| 5               | 256QAM | 1  | 12 | 18.59 | 18.66 | 18.66 |                     |          |
| 5               | 256QAM | 1  | 24 | 18.67 | 18.70 | 18.51 |                     |          |
| 5               | 256QAM | 12 | 0  | 18.79 | 18.83 | 18.77 | 20                  | 5        |
| 5               | 256QAM | 12 | 7  | 18.79 | 18.69 | 18.69 |                     |          |
| 5               | 256QAM | 12 | 13 | 18.79 | 18.86 | 18.63 |                     |          |
| 5               | 256QAM | 25 | 0  | 18.74 | 18.85 | 18.77 |                     |          |
| Channel         |        |    |    | 20415 | 20525 | 20635 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 825.5 | 836.5 | 847.5 |                     |          |
| 3               | QPSK   | 1  | 0  | 23.62 | 23.61 | 23.55 | 25                  | 0        |
| 3               | QPSK   | 1  | 8  | 23.40 | 23.45 | 23.52 |                     |          |
| 3               | QPSK   | 1  | 14 | 23.48 | 23.58 | 23.45 |                     |          |
| 3               | QPSK   | 8  | 0  | 22.34 | 22.47 | 22.46 | 24                  | 1        |
| 3               | QPSK   | 8  | 4  | 22.55 | 22.54 | 22.44 |                     |          |
| 3               | QPSK   | 8  | 7  | 22.44 | 22.51 | 22.53 |                     |          |
| 3               | QPSK   | 15 | 0  | 22.46 | 22.54 | 22.46 |                     |          |
| 3               | 16QAM  | 1  | 0  | 22.59 | 22.78 | 22.64 | 24                  | 1        |
| 3               | 16QAM  | 1  | 8  | 22.60 | 22.75 | 22.59 |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.59 | 22.71 | 22.61 |                     |          |
| 3               | 16QAM  | 8  | 0  | 21.54 | 21.58 | 21.53 | 23                  | 2        |
| 3               | 16QAM  | 8  | 4  | 21.42 | 21.44 | 21.39 |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.37 | 21.49 | 21.28 |                     |          |
| 3               | 16QAM  | 15 | 0  | 21.47 | 21.45 | 21.27 |                     |          |
| 3               | 64QAM  | 1  | 0  | 21.61 | 21.74 | 21.66 | 23                  | 2        |
| 3               | 64QAM  | 1  | 8  | 21.43 | 21.59 | 21.53 |                     |          |
| 3               | 64QAM  | 1  | 14 | 21.46 | 21.63 | 21.58 |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.47 | 20.57 | 20.52 | 22                  | 3        |
| 3               | 64QAM  | 8  | 4  | 20.46 | 20.53 | 20.52 |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.34 | 20.43 | 20.35 |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.45 | 20.50 | 20.48 |                     |          |
| 3               | 256QAM | 1  | 0  | 18.59 | 18.76 | 18.65 | 20                  | 5        |
| 3               | 256QAM | 1  | 8  | 18.67 | 18.71 | 18.70 |                     |          |
| 3               | 256QAM | 1  | 14 | 18.59 | 18.64 | 18.50 |                     |          |
| 3               | 256QAM | 8  | 0  | 18.78 | 18.80 | 18.70 | 20                  | 5        |
| 3               | 256QAM | 8  | 4  | 18.70 | 18.71 | 18.66 |                     |          |



|                 |        |    |   |       |       |       |                     |          |
|-----------------|--------|----|---|-------|-------|-------|---------------------|----------|
| 3               | 256QAM | 8  | 7 | 18.77 | 18.82 | 18.67 |                     |          |
| 3               | 256QAM | 15 | 0 | 18.65 | 18.84 | 18.72 |                     |          |
| Channel         |        |    |   | 20407 | 20525 | 20643 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |   | 824.7 | 836.5 | 848.3 |                     |          |
| 1.4             | QPSK   | 1  | 0 | 23.59 | 23.62 | 23.54 | 25                  | 0        |
| 1.4             | QPSK   | 1  | 3 | 23.32 | 23.52 | 23.46 |                     |          |
| 1.4             | QPSK   | 1  | 5 | 23.55 | 23.48 | 23.46 |                     |          |
| 1.4             | QPSK   | 3  | 0 | 23.46 | 23.60 | 23.57 |                     |          |
| 1.4             | QPSK   | 3  | 1 | 23.54 | 23.59 | 23.46 |                     |          |
| 1.4             | QPSK   | 3  | 3 | 23.59 | 23.63 | 23.47 |                     |          |
| 1.4             | QPSK   | 6  | 0 | 22.37 | 22.48 | 22.39 | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 0 | 22.54 | 22.79 | 22.70 | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 3 | 22.62 | 22.75 | 22.50 |                     |          |
| 1.4             | 16QAM  | 1  | 5 | 22.61 | 22.72 | 22.48 |                     |          |
| 1.4             | 16QAM  | 3  | 0 | 22.47 | 22.63 | 22.54 |                     |          |
| 1.4             | 16QAM  | 3  | 1 | 22.37 | 22.47 | 22.43 |                     |          |
| 1.4             | 16QAM  | 3  | 3 | 22.40 | 22.42 | 22.36 |                     |          |
| 1.4             | 16QAM  | 6  | 0 | 21.40 | 21.43 | 21.26 | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 0 | 21.66 | 21.61 | 21.66 | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 3 | 21.53 | 21.59 | 21.53 |                     |          |
| 1.4             | 64QAM  | 1  | 5 | 21.49 | 21.59 | 21.52 |                     |          |
| 1.4             | 64QAM  | 3  | 0 | 21.52 | 21.59 | 21.54 |                     |          |
| 1.4             | 64QAM  | 3  | 1 | 21.46 | 21.46 | 21.37 |                     |          |
| 1.4             | 64QAM  | 3  | 3 | 21.32 | 21.40 | 21.31 |                     |          |
| 1.4             | 64QAM  | 6  | 0 | 20.46 | 20.51 | 20.49 | 22                  | 3        |
| 1.4             | 256QAM | 1  | 0 | 18.62 | 18.69 | 18.61 | 20                  | 5        |
| 1.4             | 256QAM | 1  | 3 | 18.68 | 18.63 | 18.66 |                     |          |
| 1.4             | 256QAM | 1  | 5 | 18.65 | 18.73 | 18.63 |                     |          |
| 1.4             | 256QAM | 3  | 0 | 18.69 | 18.88 | 18.72 |                     |          |
| 1.4             | 256QAM | 3  | 1 | 18.71 | 18.72 | 18.79 |                     |          |
| 1.4             | 256QAM | 3  | 3 | 18.66 | 18.86 | 18.60 |                     |          |
| 1.4             | 256QAM | 6  | 0 | 18.63 | 18.71 | 18.69 | 20                  | 5        |



| Band 12 Ant0 Default |            |         |           |                       |                          |                        |                     |          |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel              |            |         |           | 23060                 | 23095                    | 23130                  |                     |          |
| Frequency (MHz)      |            |         |           | 704                   | 707.5                    | 711                    |                     |          |
| 10                   | QPSK       | 1       | 0         | 23.78                 | 23.86                    | 23.72                  | 25                  | 0        |
| 10                   | QPSK       | 1       | 25        | 23.55                 | 23.71                    | 23.64                  |                     |          |
| 10                   | QPSK       | 1       | 49        | 23.57                 | 23.67                    | 23.56                  |                     |          |
| 10                   | QPSK       | 25      | 0         | 22.62                 | 22.79                    | 22.73                  | 24                  | 1        |
| 10                   | QPSK       | 25      | 12        | 22.66                 | 22.73                    | 22.62                  |                     |          |
| 10                   | QPSK       | 25      | 25        | 22.76                 | 22.78                    | 22.75                  |                     |          |
| 10                   | QPSK       | 50      | 0         | 22.61                 | 22.75                    | 22.69                  | 24                  | 1        |
| 10                   | 16QAM      | 1       | 0         | 22.89                 | 23.00                    | 22.90                  |                     |          |
| 10                   | 16QAM      | 1       | 25        | 22.81                 | 22.93                    | 22.87                  |                     |          |
| 10                   | 16QAM      | 1       | 49        | 22.84                 | 22.92                    | 22.82                  | 23                  | 2        |
| 10                   | 16QAM      | 25      | 0         | 21.83                 | 21.89                    | 21.77                  |                     |          |
| 10                   | 16QAM      | 25      | 12        | 21.63                 | 21.78                    | 21.70                  |                     |          |
| 10                   | 16QAM      | 25      | 25        | 21.72                 | 21.86                    | 21.75                  | 23                  | 2        |
| 10                   | 16QAM      | 50      | 0         | 21.59                 | 21.74                    | 21.65                  |                     |          |
| 10                   | 64QAM      | 1       | 0         | 21.94                 | 22.06                    | 22.02                  |                     |          |
| 10                   | 64QAM      | 1       | 25        | 21.85                 | 22.02                    | 21.90                  | 22                  | 3        |
| 10                   | 64QAM      | 1       | 49        | 21.90                 | 21.97                    | 21.82                  |                     |          |
| 10                   | 64QAM      | 25      | 0         | 20.82                 | 20.85                    | 20.79                  |                     |          |
| 10                   | 64QAM      | 25      | 12        | 20.68                 | 20.78                    | 20.70                  | 20                  | 5        |
| 10                   | 64QAM      | 25      | 25        | 20.65                 | 20.70                    | 20.65                  |                     |          |
| 10                   | 64QAM      | 50      | 0         | 20.66                 | 20.83                    | 20.75                  |                     |          |
| 10                   | 256QAM     | 1       | 0         | 18.60                 | 18.78                    | 18.69                  | 20                  | 5        |
| 10                   | 256QAM     | 1       | 25        | 18.65                 | 18.60                    | 18.63                  |                     |          |
| 10                   | 256QAM     | 1       | 49        | 18.65                 | 18.72                    | 18.53                  |                     |          |
| 10                   | 256QAM     | 25      | 0         | 18.69                 | 18.81                    | 18.81                  | 20                  | 5        |
| 10                   | 256QAM     | 25      | 12        | 18.72                 | 18.75                    | 18.73                  |                     |          |
| 10                   | 256QAM     | 25      | 25        | 18.77                 | 18.82                    | 18.70                  |                     |          |
| 10                   | 256QAM     | 50      | 0         | 18.69                 | 18.80                    | 18.76                  | 24                  | 1        |
| 10                   | 256QAM     | 50      | 0         | 18.69                 | 18.80                    | 18.76                  |                     |          |
| Channel              |            |         |           | 23035                 | 23095                    | 23155                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)      |            |         |           | 701.5                 | 707.5                    | 713.5                  |                     |          |
| 5                    | QPSK       | 1       | 0         | 23.67                 | 23.83                    | 23.56                  | 25                  | 0        |
| 5                    | QPSK       | 1       | 12        | 23.41                 | 23.63                    | 23.60                  |                     |          |
| 5                    | QPSK       | 1       | 24        | 23.55                 | 23.54                    | 23.41                  |                     |          |
| 5                    | QPSK       | 12      | 0         | 22.50                 | 22.67                    | 22.65                  | 24                  | 1        |
| 5                    | QPSK       | 12      | 7         | 22.58                 | 22.63                    | 22.53                  |                     |          |
| 5                    | QPSK       | 12      | 13        | 22.67                 | 22.74                    | 22.63                  |                     |          |
| 5                    | QPSK       | 25      | 0         | 22.58                 | 22.73                    | 22.56                  | 24                  | 1        |
| 5                    | 16QAM      | 1       | 0         | 22.82                 | 22.87                    | 22.86                  |                     |          |
| 5                    | 16QAM      | 1       | 12        | 22.69                 | 22.78                    | 22.70                  |                     |          |



|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 5               | 16QAM  | 1  | 24 | 22.73 | 22.87 | 22.66 |                     |          |
| 5               | 16QAM  | 12 | 0  | 21.76 | 21.86 | 21.69 | 23                  | 2        |
| 5               | 16QAM  | 12 | 7  | 21.51 | 21.72 | 21.60 |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.62 | 21.76 | 21.61 |                     |          |
| 5               | 16QAM  | 25 | 0  | 21.51 | 21.63 | 21.49 |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.86 | 21.90 | 21.99 | 23                  | 2        |
| 5               | 64QAM  | 1  | 12 | 21.72 | 21.93 | 21.83 |                     |          |
| 5               | 64QAM  | 1  | 24 | 21.76 | 21.88 | 21.75 |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.69 | 20.76 | 20.71 | 22                  | 3        |
| 5               | 64QAM  | 12 | 7  | 20.56 | 20.69 | 20.59 |                     |          |
| 5               | 64QAM  | 12 | 13 | 20.57 | 20.55 | 20.48 |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.55 | 20.74 | 20.70 |                     |          |
| 5               | 256QAM | 1  | 0  | 18.61 | 18.73 | 18.70 | 20                  | 5        |
| 5               | 256QAM | 1  | 12 | 18.67 | 18.66 | 18.68 |                     |          |
| 5               | 256QAM | 1  | 24 | 18.71 | 18.71 | 18.56 |                     |          |
| 5               | 256QAM | 12 | 0  | 18.77 | 18.84 | 18.74 | 20                  | 5        |
| 5               | 256QAM | 12 | 7  | 18.64 | 18.69 | 18.69 |                     |          |
| 5               | 256QAM | 12 | 13 | 18.66 | 18.85 | 18.61 |                     |          |
| 5               | 256QAM | 25 | 0  | 18.77 | 18.83 | 18.74 |                     |          |
| Channel         |        |    |    | 23025 | 23095 | 23165 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 700.5 | 707.5 | 714.5 |                     |          |
| 3               | QPSK   | 1  | 0  | 23.72 | 23.70 | 23.63 | 25                  | 0        |
| 3               | QPSK   | 1  | 8  | 23.52 | 23.66 | 23.55 |                     |          |
| 3               | QPSK   | 1  | 14 | 23.52 | 23.60 | 23.44 |                     |          |
| 3               | QPSK   | 8  | 0  | 22.51 | 22.73 | 22.65 | 24                  | 1        |
| 3               | QPSK   | 8  | 4  | 22.49 | 22.67 | 22.49 |                     |          |
| 3               | QPSK   | 8  | 7  | 22.69 | 22.63 | 22.71 |                     |          |
| 3               | QPSK   | 15 | 0  | 22.54 | 22.73 | 22.64 |                     |          |
| 3               | 16QAM  | 1  | 0  | 22.87 | 22.94 | 22.85 | 24                  | 1        |
| 3               | 16QAM  | 1  | 8  | 22.64 | 22.86 | 22.83 |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.77 | 22.79 | 22.76 |                     |          |
| 3               | 16QAM  | 8  | 0  | 21.71 | 21.87 | 21.70 | 23                  | 2        |
| 3               | 16QAM  | 8  | 4  | 21.57 | 21.67 | 21.63 |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.62 | 21.75 | 21.61 |                     |          |
| 3               | 16QAM  | 15 | 0  | 21.53 | 21.65 | 21.53 |                     |          |
| 3               | 64QAM  | 1  | 0  | 21.86 | 22.00 | 22.00 | 23                  | 2        |
| 3               | 64QAM  | 1  | 8  | 21.71 | 21.98 | 21.76 |                     |          |
| 3               | 64QAM  | 1  | 14 | 21.78 | 21.95 | 21.71 |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.76 | 20.81 | 20.69 | 22                  | 3        |
| 3               | 64QAM  | 8  | 4  | 20.63 | 20.64 | 20.66 |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.54 | 20.58 | 20.55 |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.53 | 20.72 | 20.72 |                     |          |
| 3               | 256QAM | 1  | 0  | 18.61 | 18.79 | 18.69 | 20                  | 5        |
| 3               | 256QAM | 1  | 8  | 18.65 | 18.73 | 18.62 |                     |          |
| 3               | 256QAM | 1  | 14 | 18.73 | 18.64 | 18.63 |                     |          |
| 3               | 256QAM | 8  | 0  | 18.71 | 18.86 | 18.73 | 20                  | 5        |
| 3               | 256QAM | 8  | 4  | 18.67 | 18.81 | 18.68 |                     |          |



|                 |        |    |   |       |       |       |                     |          |
|-----------------|--------|----|---|-------|-------|-------|---------------------|----------|
| 3               | 256QAM | 8  | 7 | 18.80 | 18.78 | 18.71 |                     |          |
| 3               | 256QAM | 15 | 0 | 18.71 | 18.78 | 18.74 |                     |          |
| Channel         |        |    |   | 23017 | 23095 | 23173 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |   | 699.7 | 707.5 | 715.3 |                     |          |
| 1.4             | QPSK   | 1  | 0 | 23.72 | 23.71 | 23.69 | 25                  | 0        |
| 1.4             | QPSK   | 1  | 3 | 23.42 | 23.65 | 23.62 |                     |          |
| 1.4             | QPSK   | 1  | 5 | 23.50 | 23.62 | 23.46 |                     |          |
| 1.4             | QPSK   | 3  | 0 | 23.54 | 23.65 | 23.68 |                     |          |
| 1.4             | QPSK   | 3  | 1 | 23.60 | 23.66 | 23.51 |                     |          |
| 1.4             | QPSK   | 3  | 3 | 23.73 | 23.76 | 23.72 |                     |          |
| 1.4             | QPSK   | 6  | 0 | 22.56 | 22.72 | 22.63 | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 0 | 22.72 | 22.92 | 22.84 | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 3 | 22.76 | 22.84 | 22.79 |                     |          |
| 1.4             | 16QAM  | 1  | 5 | 22.81 | 22.80 | 22.70 |                     |          |
| 1.4             | 16QAM  | 3  | 0 | 22.78 | 22.76 | 22.71 |                     |          |
| 1.4             | 16QAM  | 3  | 1 | 22.61 | 22.66 | 22.56 |                     |          |
| 1.4             | 16QAM  | 3  | 3 | 22.65 | 22.74 | 22.65 |                     |          |
| 1.4             | 16QAM  | 6  | 0 | 21.45 | 21.68 | 21.61 | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 0 | 21.80 | 21.93 | 21.98 | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 3 | 21.80 | 21.94 | 21.79 |                     |          |
| 1.4             | 64QAM  | 1  | 5 | 21.80 | 21.90 | 21.77 |                     |          |
| 1.4             | 64QAM  | 3  | 0 | 21.71 | 21.68 | 21.63 |                     |          |
| 1.4             | 64QAM  | 3  | 1 | 21.59 | 21.73 | 21.54 |                     |          |
| 1.4             | 64QAM  | 3  | 3 | 21.49 | 21.66 | 21.62 |                     |          |
| 1.4             | 64QAM  | 6  | 0 | 20.64 | 20.75 | 20.68 | 22                  | 3        |
| 1.4             | 256QAM | 1  | 0 | 18.65 | 18.77 | 18.62 | 20                  | 5        |
| 1.4             | 256QAM | 1  | 3 | 18.56 | 18.60 | 18.69 |                     |          |
| 1.4             | 256QAM | 1  | 5 | 18.60 | 18.74 | 18.57 |                     |          |
| 1.4             | 256QAM | 3  | 0 | 18.83 | 18.90 | 18.76 |                     |          |
| 1.4             | 256QAM | 3  | 1 | 18.68 | 18.74 | 18.69 |                     |          |
| 1.4             | 256QAM | 3  | 3 | 18.69 | 18.76 | 18.64 |                     |          |
| 1.4             | 256QAM | 6  | 0 | 18.71 | 18.81 | 18.71 | 20                  | 5        |



| Band 13 Ant0 Default |            |         |           |                       |                          |                        |                     |          |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel              |            |         |           | 23230                 |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           | 782                   |                          |                        |                     |          |
| 10                   | QPSK       | 1       | 0         |                       | 23.61                    |                        | 25                  | 0        |
| 10                   | QPSK       | 1       | 25        |                       | 23.52                    |                        |                     |          |
| 10                   | QPSK       | 1       | 49        |                       | 23.56                    |                        |                     |          |
| 10                   | QPSK       | 25      | 0         |                       | 22.71                    |                        | 24                  | 1        |
| 10                   | QPSK       | 25      | 12        |                       | 22.60                    |                        |                     |          |
| 10                   | QPSK       | 25      | 25        |                       | 22.67                    |                        |                     |          |
| 10                   | QPSK       | 50      | 0         |                       | 22.64                    |                        | 24                  | 1        |
| 10                   | 16QAM      | 1       | 0         |                       | 22.81                    |                        |                     |          |
| 10                   | 16QAM      | 1       | 25        |                       | 22.71                    |                        |                     |          |
| 10                   | 16QAM      | 1       | 49        |                       | 22.71                    |                        | 23                  | 2        |
| 10                   | 16QAM      | 25      | 0         |                       | 21.76                    |                        |                     |          |
| 10                   | 16QAM      | 25      | 12        |                       | 21.69                    |                        |                     |          |
| 10                   | 16QAM      | 25      | 25        |                       | 21.65                    |                        | 23                  | 2        |
| 10                   | 16QAM      | 50      | 0         |                       | 21.72                    |                        |                     |          |
| 10                   | 64QAM      | 1       | 0         |                       | 21.76                    |                        |                     |          |
| 10                   | 64QAM      | 1       | 25        |                       | 21.61                    |                        | 23                  | 2        |
| 10                   | 64QAM      | 1       | 49        |                       | 21.63                    |                        |                     |          |
| 10                   | 64QAM      | 25      | 0         |                       | 20.65                    |                        |                     |          |
| 10                   | 64QAM      | 25      | 12        |                       | 20.51                    |                        | 22                  | 3        |
| 10                   | 64QAM      | 25      | 25        |                       | 20.58                    |                        |                     |          |
| 10                   | 64QAM      | 50      | 0         |                       | 20.67                    |                        |                     |          |
| 10                   | 256QAM     | 1       | 0         |                       | 18.71                    |                        | 20                  | 5        |
| 10                   | 256QAM     | 1       | 25        |                       | 18.68                    |                        |                     |          |
| 10                   | 256QAM     | 1       | 49        |                       | 18.64                    |                        |                     |          |
| 10                   | 256QAM     | 25      | 0         |                       | 18.82                    |                        | 20                  | 5        |
| 10                   | 256QAM     | 25      | 12        |                       | 18.71                    |                        |                     |          |
| 10                   | 256QAM     | 25      | 25        |                       | 18.75                    |                        |                     |          |
| 10                   | 256QAM     | 50      | 0         |                       | 18.76                    |                        |                     |          |
| Channel              |            |         |           | 23205                 | 23230                    | 23255                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)      |            |         |           | 779.5                 | 782                      | 784.5                  |                     |          |
| 5                    | QPSK       | 1       | 0         | 23.48                 | 23.49                    | 23.58                  | 25                  | 0        |
| 5                    | QPSK       | 1       | 12        | 23.45                 | 23.43                    | 23.38                  |                     |          |
| 5                    | QPSK       | 1       | 24        | 23.46                 | 23.50                    | 23.54                  |                     |          |
| 5                    | QPSK       | 12      | 0         | 22.64                 | 22.67                    | 22.60                  | 24                  | 1        |
| 5                    | QPSK       | 12      | 7         | 22.50                 | 22.51                    | 22.50                  |                     |          |
| 5                    | QPSK       | 12      | 13        | 22.65                 | 22.54                    | 22.57                  |                     |          |
| 5                    | QPSK       | 25      | 0         | 22.56                 | 22.50                    | 22.60                  | 24                  | 1        |
| 5                    | 16QAM      | 1       | 0         | 22.78                 | 22.79                    | 22.68                  |                     |          |
| 5                    | 16QAM      | 1       | 12        | 22.58                 | 22.58                    | 22.62                  |                     |          |



**FCC SAR Test Report**

**Report No. : FA311602**

|   |        |    |    |       |       |       |    |   |
|---|--------|----|----|-------|-------|-------|----|---|
| 5 | 16QAM  | 1  | 24 | 22.64 | 22.68 | 22.62 |    |   |
| 5 | 16QAM  | 12 | 0  | 21.70 | 21.65 | 21.71 | 23 | 2 |
| 5 | 16QAM  | 12 | 7  | 21.55 | 21.62 | 21.54 |    |   |
| 5 | 16QAM  | 12 | 13 | 21.63 | 21.58 | 21.56 |    |   |
| 5 | 16QAM  | 25 | 0  | 21.59 | 21.63 | 21.61 |    |   |
| 5 | 64QAM  | 1  | 0  | 21.65 | 21.67 | 21.69 | 23 | 2 |
| 5 | 64QAM  | 1  | 12 | 21.58 | 21.56 | 21.50 |    |   |
| 5 | 64QAM  | 1  | 24 | 21.47 | 21.58 | 21.58 |    |   |
| 5 | 64QAM  | 12 | 0  | 20.59 | 20.53 | 20.51 | 22 | 3 |
| 5 | 64QAM  | 12 | 7  | 20.49 | 20.35 | 20.46 |    |   |
| 5 | 64QAM  | 12 | 13 | 20.47 | 20.56 | 20.42 |    |   |
| 5 | 64QAM  | 25 | 0  | 20.51 | 20.59 | 20.55 |    |   |
| 5 | 256QAM | 1  | 0  | 18.52 | 18.72 | 18.69 | 20 | 5 |
| 5 | 256QAM | 1  | 12 | 18.52 | 18.68 | 18.56 |    |   |
| 5 | 256QAM | 1  | 24 | 18.65 | 18.59 | 18.53 |    |   |
| 5 | 256QAM | 12 | 0  | 18.72 | 18.79 | 18.65 | 20 | 5 |
| 5 | 256QAM | 12 | 7  | 18.64 | 18.65 | 18.63 |    |   |
| 5 | 256QAM | 12 | 13 | 18.66 | 18.83 | 18.55 |    |   |
| 5 | 256QAM | 25 | 0  | 18.65 | 18.67 | 18.69 |    |   |





| Band 14 Ant0 Default |            |         |           |                       |                          |                        |                     |          |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel              |            |         |           | 23330                 |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           | 793                   |                          |                        |                     |          |
| 10                   | QPSK       | 1       | 0         |                       | 23.66                    |                        | 25                  | 0        |
| 10                   | QPSK       | 1       | 25        |                       | 23.61                    |                        |                     |          |
| 10                   | QPSK       | 1       | 49        |                       | 23.59                    |                        |                     |          |
| 10                   | QPSK       | 25      | 0         |                       | 22.68                    |                        | 24                  | 1        |
| 10                   | QPSK       | 25      | 12        |                       | 22.62                    |                        |                     |          |
| 10                   | QPSK       | 25      | 25        |                       | 22.67                    |                        |                     |          |
| 10                   | QPSK       | 50      | 0         |                       | 22.60                    |                        | 24                  | 1        |
| 10                   | 16QAM      | 1       | 0         |                       | 22.84                    |                        |                     |          |
| 10                   | 16QAM      | 1       | 25        |                       | 22.71                    |                        |                     |          |
| 10                   | 16QAM      | 1       | 49        |                       | 22.74                    |                        | 24                  | 1        |
| 10                   | 16QAM      | 25      | 0         |                       | 21.62                    |                        |                     |          |
| 10                   | 16QAM      | 25      | 12        |                       | 21.49                    |                        |                     |          |
| 10                   | 16QAM      | 25      | 25        |                       | 21.55                    |                        | 23                  | 2        |
| 10                   | 16QAM      | 50      | 0         |                       | 21.65                    |                        |                     |          |
| 10                   | 64QAM      | 1       | 0         |                       | 21.79                    |                        |                     |          |
| 10                   | 64QAM      | 1       | 25        |                       | 21.69                    |                        | 23                  | 2        |
| 10                   | 64QAM      | 1       | 49        |                       | 21.63                    |                        |                     |          |
| 10                   | 64QAM      | 25      | 0         |                       | 20.67                    |                        |                     |          |
| 10                   | 64QAM      | 25      | 12        |                       | 20.65                    |                        | 22                  | 3        |
| 10                   | 64QAM      | 25      | 25        |                       | 20.59                    |                        |                     |          |
| 10                   | 64QAM      | 50      | 0         |                       | 20.60                    |                        |                     |          |
| 10                   | 256QAM     | 1       | 0         |                       | 18.64                    |                        | 20                  | 5        |
| 10                   | 256QAM     | 1       | 25        |                       | 18.60                    |                        |                     |          |
| 10                   | 256QAM     | 1       | 49        |                       | 18.60                    |                        |                     |          |
| 10                   | 256QAM     | 25      | 0         |                       | 18.76                    |                        | 20                  | 5        |
| 10                   | 256QAM     | 25      | 12        |                       | 18.77                    |                        |                     |          |
| 10                   | 256QAM     | 25      | 25        |                       | 18.72                    |                        |                     |          |
| 10                   | 256QAM     | 50      | 0         |                       | 18.77                    |                        | 24                  | 1        |
| 5                    | 16QAM      | 1       | 0         | 22.75                 | 22.72                    | 22.76                  |                     |          |
| 5                    | 16QAM      | 1       | 12        | 22.56                 | 22.59                    | 22.55                  |                     |          |
| Channel              |            |         |           | 23305                 | 23330                    | 23355                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)      |            |         |           | 790.5                 | 793                      | 795.5                  |                     |          |
| 5                    | QPSK       | 1       | 0         | 23.56                 | 23.61                    | 23.59                  | 25                  | 0        |
| 5                    | QPSK       | 1       | 12        | 23.49                 | 23.46                    | 23.57                  |                     |          |
| 5                    | QPSK       | 1       | 24        | 23.44                 | 23.47                    | 23.48                  |                     |          |
| 5                    | QPSK       | 12      | 0         | 22.55                 | 22.51                    | 22.62                  | 24                  | 1        |
| 5                    | QPSK       | 12      | 7         | 22.59                 | 22.58                    | 22.46                  |                     |          |
| 5                    | QPSK       | 12      | 13        | 22.57                 | 22.62                    | 22.58                  |                     |          |
| 5                    | QPSK       | 25      | 0         | 22.47                 | 22.48                    | 22.52                  | 24                  | 1        |
| 5                    | 16QAM      | 1       | 0         | 22.75                 | 22.72                    | 22.76                  |                     |          |
| 5                    | 16QAM      | 1       | 12        | 22.56                 | 22.59                    | 22.55                  |                     |          |



|   |        |    |    |       |       |       |    |   |
|---|--------|----|----|-------|-------|-------|----|---|
| 5 | 16QAM  | 1  | 24 | 22.59 | 22.57 | 22.60 |    |   |
| 5 | 16QAM  | 12 | 0  | 21.55 | 21.50 | 21.55 | 23 | 2 |
| 5 | 16QAM  | 12 | 7  | 21.40 | 21.36 | 21.46 |    |   |
| 5 | 16QAM  | 12 | 13 | 21.43 | 21.38 | 21.38 |    |   |
| 5 | 16QAM  | 25 | 0  | 21.49 | 21.49 | 21.49 |    |   |
| 5 | 64QAM  | 1  | 0  | 21.62 | 21.77 | 21.73 | 23 | 2 |
| 5 | 64QAM  | 1  | 12 | 21.64 | 21.61 | 21.62 |    |   |
| 5 | 64QAM  | 1  | 24 | 21.51 | 21.59 | 21.58 |    |   |
| 5 | 64QAM  | 12 | 0  | 20.61 | 20.61 | 20.55 | 22 | 3 |
| 5 | 64QAM  | 12 | 7  | 20.61 | 20.53 | 20.51 |    |   |
| 5 | 64QAM  | 12 | 13 | 20.54 | 20.44 | 20.50 |    |   |
| 5 | 64QAM  | 25 | 0  | 20.49 | 20.48 | 20.43 |    |   |
| 5 | 256QAM | 1  | 0  | 18.61 | 18.78 | 18.64 | 20 | 5 |
| 5 | 256QAM | 1  | 12 | 18.53 | 18.64 | 18.53 |    |   |
| 5 | 256QAM | 1  | 24 | 18.62 | 18.68 | 18.57 |    |   |
| 5 | 256QAM | 12 | 0  | 18.74 | 18.81 | 18.77 | 20 | 5 |
| 5 | 256QAM | 12 | 7  | 18.61 | 18.78 | 18.70 |    |   |
| 5 | 256QAM | 12 | 13 | 18.76 | 18.81 | 18.58 |    |   |
| 5 | 256QAM | 25 | 0  | 18.65 | 18.74 | 18.71 |    |   |



| Band 17 Ant0 Default |            |         |           |                       |                          |                        |                     |          |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel              |            |         |           | 23780                 | 23790                    | 23800                  |                     |          |
| Frequency (MHz)      |            |         |           | 709                   | 710                      | 711                    |                     |          |
| 10                   | QPSK       | 1       | 0         | 23.69                 | 23.71                    | 23.65                  | 25                  | 0        |
| 10                   | QPSK       | 1       | 25        | 23.48                 | 23.63                    | 23.55                  |                     |          |
| 10                   | QPSK       | 1       | 49        | 23.54                 | 23.67                    | 23.56                  |                     |          |
| 10                   | QPSK       | 25      | 0         | 22.72                 | 22.81                    | 22.65                  | 24                  | 1        |
| 10                   | QPSK       | 25      | 12        | 22.64                 | 22.78                    | 22.66                  |                     |          |
| 10                   | QPSK       | 25      | 25        | 22.66                 | 22.74                    | 22.59                  |                     |          |
| 10                   | QPSK       | 50      | 0         | 22.68                 | 22.71                    | 22.68                  | 24                  | 1        |
| 10                   | 16QAM      | 1       | 0         | 22.76                 | 22.90                    | 22.78                  |                     |          |
| 10                   | 16QAM      | 1       | 25        | 22.74                 | 22.87                    | 22.75                  |                     |          |
| 10                   | 16QAM      | 1       | 49        | 22.79                 | 22.84                    | 22.81                  | 23                  | 2        |
| 10                   | 16QAM      | 25      | 0         | 21.70                 | 21.83                    | 21.78                  |                     |          |
| 10                   | 16QAM      | 25      | 12        | 21.61                 | 21.73                    | 21.57                  |                     |          |
| 10                   | 16QAM      | 25      | 25        | 21.58                 | 21.73                    | 21.61                  | 23                  | 2        |
| 10                   | 16QAM      | 50      | 0         | 21.59                 | 21.72                    | 21.65                  |                     |          |
| 10                   | 64QAM      | 1       | 0         | 21.82                 | 21.91                    | 21.75                  |                     |          |
| 10                   | 64QAM      | 1       | 25        | 21.67                 | 21.76                    | 21.60                  | 23                  | 2        |
| 10                   | 64QAM      | 1       | 49        | 21.79                 | 21.86                    | 21.80                  |                     |          |
| 10                   | 64QAM      | 25      | 0         | 20.79                 | 20.86                    | 20.71                  |                     |          |
| 10                   | 64QAM      | 25      | 12        | 20.64                 | 20.78                    | 20.75                  | 22                  | 3        |
| 10                   | 64QAM      | 25      | 25        | 20.59                 | 20.76                    | 20.61                  |                     |          |
| 10                   | 64QAM      | 50      | 0         | 20.64                 | 20.78                    | 20.66                  |                     |          |
| 10                   | 256QAM     | 1       | 0         | 18.57                 | 18.68                    | 18.70                  | 20                  | 5        |
| 10                   | 256QAM     | 1       | 25        | 18.62                 | 18.65                    | 18.62                  |                     |          |
| 10                   | 256QAM     | 1       | 49        | 18.57                 | 18.70                    | 18.45                  |                     |          |
| 10                   | 256QAM     | 25      | 0         | 18.75                 | 18.88                    | 18.65                  | 20                  | 5        |
| 10                   | 256QAM     | 25      | 12        | 18.72                 | 18.64                    | 18.74                  |                     |          |
| 10                   | 256QAM     | 25      | 25        | 18.74                 | 18.79                    | 18.63                  |                     |          |
| 10                   | 256QAM     | 50      | 0         | 18.69                 | 18.68                    | 18.70                  |                     |          |
| Channel              |            |         |           | 23755                 | 23790                    | 23825                  |                     |          |
| Frequency (MHz)      |            |         |           | 706.5                 | 710                      | 713.5                  | Tune-up limit (dBm) | MPR (dB) |
| 5                    | QPSK       | 1       | 0         | 23.55                 | 23.66                    | 23.57                  |                     |          |
| 5                    | QPSK       | 1       | 12        | 23.40                 | 23.54                    | 23.39                  | 25                  | 0        |
| 5                    | QPSK       | 1       | 24        | 23.51                 | 23.65                    | 23.50                  |                     |          |
| 5                    | QPSK       | 12      | 0         | 22.68                 | 22.69                    | 22.58                  |                     |          |
| 5                    | QPSK       | 12      | 7         | 22.60                 | 22.65                    | 22.52                  | 24                  | 1        |
| 5                    | QPSK       | 12      | 13        | 22.59                 | 22.66                    | 22.43                  |                     |          |
| 5                    | QPSK       | 25      | 0         | 22.54                 | 22.55                    | 22.65                  |                     |          |
| 5                    | 16QAM      | 1       | 0         | 22.71                 | 22.86                    | 22.66                  | 24                  | 1        |
| 5                    | 16QAM      | 1       | 12        | 22.69                 | 22.73                    | 22.68                  |                     |          |



**FCC SAR Test Report**

**Report No. : FA311602**

|   |        |    |    |       |       |       |    |   |
|---|--------|----|----|-------|-------|-------|----|---|
| 5 | 16QAM  | 1  | 24 | 22.68 | 22.70 | 22.66 |    |   |
| 5 | 16QAM  | 12 | 0  | 21.60 | 21.76 | 21.70 | 23 | 2 |
| 5 | 16QAM  | 12 | 7  | 21.45 | 21.70 | 21.54 |    |   |
| 5 | 16QAM  | 12 | 13 | 21.51 | 21.64 | 21.53 |    |   |
| 5 | 16QAM  | 25 | 0  | 21.51 | 21.59 | 21.55 |    |   |
| 5 | 64QAM  | 1  | 0  | 21.66 | 21.80 | 21.69 | 23 | 2 |
| 5 | 64QAM  | 1  | 12 | 21.51 | 21.65 | 21.57 |    |   |
| 5 | 64QAM  | 1  | 24 | 21.75 | 21.81 | 21.76 |    |   |
| 5 | 64QAM  | 12 | 0  | 20.68 | 20.70 | 20.68 | 22 | 3 |
| 5 | 64QAM  | 12 | 7  | 20.53 | 20.68 | 20.64 |    |   |
| 5 | 64QAM  | 12 | 13 | 20.49 | 20.66 | 20.56 |    |   |
| 5 | 64QAM  | 25 | 0  | 20.60 | 20.63 | 20.58 |    |   |
| 5 | 256QAM | 1  | 0  | 18.62 | 18.71 | 18.63 | 20 | 5 |
| 5 | 256QAM | 1  | 12 | 18.60 | 18.55 | 18.60 |    |   |
| 5 | 256QAM | 1  | 24 | 18.67 | 18.66 | 18.57 |    |   |
| 5 | 256QAM | 12 | 0  | 18.69 | 18.85 | 18.66 | 20 | 5 |
| 5 | 256QAM | 12 | 7  | 18.69 | 18.78 | 18.67 |    |   |
| 5 | 256QAM | 12 | 13 | 18.64 | 18.78 | 18.67 |    |   |
| 5 | 256QAM | 25 | 0  | 18.72 | 18.71 | 18.63 |    |   |



### Band 26 for FCC Ant0 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 26765                 | 26865                    | 26965                  |                     |          |
| Frequency (MHz) |            |         |           | 821.5                 | 831.5                    | 841.5                  |                     |          |
| 15              | QPSK       | 1       | 0         | 23.77                 | 23.79                    | 23.71                  | 25                  | 0        |
| 15              | QPSK       | 1       | 37        | 23.70                 | 23.75                    | 23.72                  |                     |          |
| 15              | QPSK       | 1       | 74        | 23.55                 | 23.64                    | 23.52                  |                     |          |
| 15              | QPSK       | 36      | 0         | 22.66                 | 22.77                    | 22.69                  | 24                  | 1        |
| 15              | QPSK       | 36      | 20        | 22.54                 | 22.71                    | 22.64                  |                     |          |
| 15              | QPSK       | 36      | 39        | 22.58                 | 22.73                    | 22.63                  |                     |          |
| 15              | QPSK       | 75      | 0         | 22.66                 | 22.72                    | 22.64                  | 24                  | 1        |
| 15              | 16QAM      | 1       | 0         | 22.94                 | 22.97                    | 22.90                  |                     |          |
| 15              | 16QAM      | 1       | 37        | 22.85                 | 22.93                    | 22.83                  |                     |          |
| 15              | 16QAM      | 1       | 74        | 22.83                 | 22.90                    | 22.85                  | 23                  | 2        |
| 15              | 16QAM      | 36      | 0         | 21.58                 | 21.73                    | 21.57                  |                     |          |
| 15              | 16QAM      | 36      | 20        | 21.50                 | 21.60                    | 21.58                  |                     |          |
| 15              | 16QAM      | 36      | 39        | 21.61                 | 21.64                    | 21.58                  | 23                  | 2        |
| 15              | 16QAM      | 75      | 0         | 21.62                 | 21.73                    | 21.61                  |                     |          |
| 15              | 64QAM      | 1       | 0         | 21.79                 | 21.85                    | 21.83                  |                     |          |
| 15              | 64QAM      | 1       | 37        | 21.71                 | 21.74                    | 21.61                  | 22                  | 3        |
| 15              | 64QAM      | 1       | 74        | 21.56                 | 21.69                    | 21.60                  |                     |          |
| 15              | 64QAM      | 36      | 0         | 20.62                 | 20.74                    | 20.59                  |                     |          |
| 15              | 64QAM      | 36      | 20        | 20.52                 | 20.69                    | 20.66                  | 20                  | 5        |
| 15              | 64QAM      | 36      | 39        | 20.53                 | 20.65                    | 20.54                  |                     |          |
| 15              | 64QAM      | 75      | 0         | 20.67                 | 20.77                    | 20.61                  |                     |          |
| 15              | 256QAM     | 1       | 0         | 18.63                 | 18.68                    | 18.60                  | 20                  | 5        |
| 15              | 256QAM     | 1       | 37        | 18.63                 | 18.63                    | 18.63                  |                     |          |
| 15              | 256QAM     | 1       | 74        | 18.68                 | 18.61                    | 18.59                  |                     |          |
| 15              | 256QAM     | 36      | 0         | 18.70                 | 18.75                    | 18.72                  | 20                  | 5        |
| 15              | 256QAM     | 36      | 20        | 18.67                 | 18.73                    | 18.65                  |                     |          |
| 15              | 256QAM     | 36      | 39        | 18.70                 | 18.74                    | 18.58                  |                     |          |
| 15              | 256QAM     | 75      | 0         | 18.73                 | 18.77                    | 18.68                  | 24                  | 1        |
| Channel         |            |         |           | 26740                 | 26865                    | 26990                  |                     |          |
| Frequency (MHz) |            |         |           | 819                   | 831.5                    | 844                    |                     |          |
| 10              | QPSK       | 1       | 0         | 23.70                 | 23.76                    | 23.54                  | 25                  | 0        |
| 10              | QPSK       | 1       | 25        | 23.59                 | 23.67                    | 23.58                  |                     |          |
| 10              | QPSK       | 1       | 49        | 23.43                 | 23.48                    | 23.45                  |                     |          |
| 10              | QPSK       | 25      | 0         | 22.60                 | 22.74                    | 22.60                  | 24                  | 1        |
| 10              | QPSK       | 25      | 12        | 22.40                 | 22.66                    | 22.59                  |                     |          |
| 10              | QPSK       | 25      | 25        | 22.44                 | 22.71                    | 22.60                  |                     |          |
| 10              | QPSK       | 50      | 0         | 22.56                 | 22.67                    | 22.58                  | 24                  | 1        |
| 10              | 16QAM      | 1       | 0         | 22.81                 | 22.84                    | 22.77                  |                     |          |
| 10              | 16QAM      | 1       | 25        | 22.76                 | 22.89                    | 22.72                  |                     |          |



|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 10              | 16QAM  | 1  | 49 | 22.79 | 22.84 | 22.78 |                     |          |
| 10              | 16QAM  | 25 | 0  | 21.55 | 21.57 | 21.52 | 23                  | 2        |
| 10              | 16QAM  | 25 | 12 | 21.41 | 21.51 | 21.52 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.50 | 21.51 | 21.52 |                     |          |
| 10              | 16QAM  | 50 | 0  | 21.59 | 21.65 | 21.58 |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.73 | 21.79 | 21.72 | 23                  | 2        |
| 10              | 64QAM  | 1  | 25 | 21.65 | 21.70 | 21.55 |                     |          |
| 10              | 64QAM  | 1  | 49 | 21.53 | 21.62 | 21.51 |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.50 | 20.70 | 20.43 | 22                  | 3        |
| 10              | 64QAM  | 25 | 12 | 20.48 | 20.67 | 20.60 |                     |          |
| 10              | 64QAM  | 25 | 25 | 20.39 | 20.57 | 20.41 |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.58 | 20.71 | 20.48 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.57 | 18.69 | 18.69 | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.50 | 18.67 | 18.64 |                     |          |
| 10              | 256QAM | 1  | 49 | 18.65 | 18.64 | 18.49 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.67 | 18.85 | 18.69 | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.71 | 18.63 | 18.61 |                     |          |
| 10              | 256QAM | 25 | 25 | 18.71 | 18.74 | 18.65 |                     |          |
| 10              | 256QAM | 50 | 0  | 18.74 | 18.76 | 18.70 |                     |          |
| Channel         |        |    |    | 26715 | 26865 | 27015 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 816.5 | 831.5 | 846.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 23.71 | 23.64 | 23.55 | 25                  | 0        |
| 5               | QPSK   | 1  | 12 | 23.64 | 23.59 | 23.64 |                     |          |
| 5               | QPSK   | 1  | 24 | 23.51 | 23.61 | 23.46 |                     |          |
| 5               | QPSK   | 12 | 0  | 22.63 | 22.62 | 22.59 | 24                  | 1        |
| 5               | QPSK   | 12 | 7  | 22.49 | 22.67 | 22.49 |                     |          |
| 5               | QPSK   | 12 | 13 | 22.55 | 22.56 | 22.50 |                     |          |
| 5               | QPSK   | 25 | 0  | 22.52 | 22.64 | 22.54 |                     |          |
| 5               | 16QAM  | 1  | 0  | 22.83 | 22.86 | 22.79 | 24                  | 1        |
| 5               | 16QAM  | 1  | 12 | 22.80 | 22.83 | 22.72 |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.76 | 22.88 | 22.77 |                     |          |
| 5               | 16QAM  | 12 | 0  | 21.53 | 21.59 | 21.45 | 23                  | 2        |
| 5               | 16QAM  | 12 | 7  | 21.43 | 21.54 | 21.54 |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.44 | 21.55 | 21.42 |                     |          |
| 5               | 16QAM  | 25 | 0  | 21.46 | 21.68 | 21.46 |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.73 | 21.78 | 21.66 | 23                  | 2        |
| 5               | 64QAM  | 1  | 12 | 21.57 | 21.59 | 21.53 |                     |          |
| 5               | 64QAM  | 1  | 24 | 21.44 | 21.65 | 21.52 |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.54 | 20.58 | 20.42 | 22                  | 3        |
| 5               | 64QAM  | 12 | 7  | 20.39 | 20.62 | 20.63 |                     |          |
| 5               | 64QAM  | 12 | 13 | 20.50 | 20.52 | 20.44 |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.53 | 20.65 | 20.44 |                     |          |
| 5               | 256QAM | 1  | 0  | 18.50 | 18.68 | 18.58 | 20                  | 5        |
| 5               | 256QAM | 1  | 12 | 18.50 | 18.61 | 18.52 |                     |          |
| 5               | 256QAM | 1  | 24 | 18.56 | 18.61 | 18.48 |                     |          |
| 5               | 256QAM | 12 | 0  | 18.73 | 18.86 | 18.65 | 20                  | 5        |
| 5               | 256QAM | 12 | 7  | 18.70 | 18.78 | 18.61 |                     |          |



|                 |        |    |    |       |       |       |                     |          |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|---------------------|----------|
| 5               | 256QAM | 12 | 13 | 18.72 | 18.74 | 18.58 |                     |          |                     |          |
| 5               | 256QAM | 25 | 0  | 18.68 | 18.72 | 18.73 |                     |          |                     |          |
| Channel         |        |    |    | 26705 | 26865 | 27025 | Tune-up limit (dBm) | MPR (dB) |                     |          |
| Frequency (MHz) |        |    |    | 815.5 | 831.5 | 847.5 |                     |          |                     |          |
| 3               | QPSK   | 1  | 0  | 23.63 | 23.62 | 23.62 | 25                  | 0        |                     |          |
| 3               | QPSK   | 1  | 8  | 23.55 | 23.67 | 23.60 |                     |          |                     |          |
| 3               | QPSK   | 1  | 14 | 23.43 | 23.55 | 23.37 |                     |          |                     |          |
| 3               | QPSK   | 8  | 0  | 22.52 | 22.73 | 22.53 | 24                  | 1        |                     |          |
| 3               | QPSK   | 8  | 4  | 22.44 | 22.68 | 22.56 |                     |          |                     |          |
| 3               | QPSK   | 8  | 7  | 22.45 | 22.57 | 22.58 |                     |          |                     |          |
| 3               | QPSK   | 15 | 0  | 22.62 | 22.67 | 22.56 | 24                  | 1        |                     |          |
| 3               | 16QAM  | 1  | 0  | 22.86 | 22.85 | 22.84 |                     |          |                     |          |
| 3               | 16QAM  | 1  | 8  | 22.70 | 22.88 | 22.66 |                     |          |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.78 | 22.83 | 22.76 | 23                  | 2        |                     |          |
| 3               | 16QAM  | 8  | 0  | 21.48 | 21.65 | 21.50 |                     |          |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.46 | 21.47 | 21.47 |                     |          |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.47 | 21.55 | 21.41 | 23                  | 2        |                     |          |
| 3               | 16QAM  | 15 | 0  | 21.55 | 21.70 | 21.55 |                     |          |                     |          |
| 3               | 64QAM  | 1  | 0  | 21.66 | 21.71 | 21.69 |                     |          |                     |          |
| 3               | 64QAM  | 1  | 8  | 21.61 | 21.63 | 21.54 | 23                  | 2        |                     |          |
| 3               | 64QAM  | 1  | 14 | 21.45 | 21.53 | 21.52 |                     |          |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.51 | 20.65 | 20.56 |                     |          |                     |          |
| 3               | 64QAM  | 8  | 4  | 20.45 | 20.53 | 20.57 | 22                  | 3        |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.44 | 20.59 | 20.50 |                     |          |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.51 | 20.70 | 20.51 |                     |          |                     |          |
| 3               | 256QAM | 1  | 0  | 18.54 | 18.78 | 18.67 | 20                  | 5        |                     |          |
| 3               | 256QAM | 1  | 8  | 18.55 | 18.64 | 18.55 |                     |          |                     |          |
| 3               | 256QAM | 1  | 14 | 18.59 | 18.68 | 18.49 |                     |          |                     |          |
| 3               | 256QAM | 8  | 0  | 18.75 | 18.85 | 18.74 | 20                  | 5        |                     |          |
| 3               | 256QAM | 8  | 4  | 18.71 | 18.78 | 18.60 |                     |          |                     |          |
| 3               | 256QAM | 8  | 7  | 18.63 | 18.82 | 18.61 |                     |          |                     |          |
| 3               | 256QAM | 15 | 0  | 18.61 | 18.78 | 18.68 | 20                  | 5        |                     |          |
| Channel         |        |    |    | 26697 | 26865 | 27033 |                     |          | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 814.7 | 831.5 | 848.3 |                     |          |                     |          |
| 1.4             | QPSK   | 1  | 0  | 23.62 | 23.76 | 23.57 | 25                  | 0        |                     |          |
| 1.4             | QPSK   | 1  | 3  | 23.59 | 23.65 | 23.59 |                     |          |                     |          |
| 1.4             | QPSK   | 1  | 5  | 23.47 | 23.54 | 23.45 |                     |          |                     |          |
| 1.4             | QPSK   | 3  | 0  | 23.55 | 23.68 | 23.57 | 24                  | 1        |                     |          |
| 1.4             | QPSK   | 3  | 1  | 23.45 | 23.61 | 23.61 |                     |          |                     |          |
| 1.4             | QPSK   | 3  | 3  | 23.55 | 23.71 | 23.51 |                     |          |                     |          |
| 1.4             | QPSK   | 6  | 0  | 22.59 | 22.70 | 22.61 | 24                  | 1        |                     |          |
| 1.4             | 16QAM  | 1  | 0  | 22.87 | 22.81 | 22.88 |                     |          |                     |          |
| 1.4             | 16QAM  | 1  | 3  | 22.81 | 22.83 | 22.71 |                     |          |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 22.66 | 22.84 | 22.77 | 24                  | 1        |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 22.56 | 22.60 | 22.54 |                     |          |                     |          |
| 1.4             | 16QAM  | 3  | 1  | 22.43 | 22.49 | 22.51 |                     |          |                     |          |
| 1.4             | 16QAM  | 3  | 3  | 22.51 | 22.60 | 22.49 |                     |          |                     |          |



**FCC SAR Test Report**

**Report No. : FA311602**

|     |        |   |   |       |       |       |    |   |
|-----|--------|---|---|-------|-------|-------|----|---|
| 1.4 | 16QAM  | 6 | 0 | 21.50 | 21.70 | 21.50 | 23 | 2 |
| 1.4 | 64QAM  | 1 | 0 | 21.67 | 21.75 | 21.68 | 23 | 2 |
| 1.4 | 64QAM  | 1 | 3 | 21.56 | 21.57 | 21.49 |    |   |
| 1.4 | 64QAM  | 1 | 5 | 21.49 | 21.60 | 21.57 |    |   |
| 1.4 | 64QAM  | 3 | 0 | 21.60 | 21.60 | 21.54 |    |   |
| 1.4 | 64QAM  | 3 | 1 | 21.37 | 21.62 | 21.60 |    |   |
| 1.4 | 64QAM  | 3 | 3 | 21.38 | 21.62 | 21.44 |    |   |
| 1.4 | 64QAM  | 6 | 0 | 20.54 | 20.70 | 20.57 | 22 | 3 |
| 1.4 | 256QAM | 1 | 0 | 18.58 | 18.75 | 18.60 | 20 | 5 |
| 1.4 | 256QAM | 1 | 3 | 18.62 | 18.69 | 18.61 |    |   |
| 1.4 | 256QAM | 1 | 5 | 18.69 | 18.65 | 18.46 |    |   |
| 1.4 | 256QAM | 3 | 0 | 18.72 | 18.84 | 18.71 |    |   |
| 1.4 | 256QAM | 3 | 1 | 18.61 | 18.72 | 18.62 |    |   |
| 1.4 | 256QAM | 3 | 3 | 18.75 | 18.72 | 18.56 |    |   |
| 1.4 | 256QAM | 6 | 0 | 18.65 | 18.77 | 18.72 | 20 | 5 |





| Band 71 Ant0 Default |            |         |           |                       |                          |                        |                     |          |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel              |            |         |           | 133222                | 133322                   | 133372                 |                     |          |
| Frequency (MHz)      |            |         |           | 673                   | 683                      | 688                    |                     |          |
| 20                   | QPSK       | 1       | 0         | 23.80                 | 23.84                    | 23.71                  |                     |          |
| 20                   | QPSK       | 1       | 49        | 23.62                 | 23.68                    | 23.62                  | 25                  | 0        |
| 20                   | QPSK       | 1       | 99        | 23.60                 | 23.64                    | 23.53                  | 24                  | 1        |
| 20                   | QPSK       | 50      | 0         | 22.81                 | 22.85                    | 22.82                  |                     |          |
| 20                   | QPSK       | 50      | 24        | 22.68                 | 22.73                    | 22.59                  |                     |          |
| 20                   | QPSK       | 50      | 50        | 22.63                 | 22.78                    | 22.64                  | 24                  | 1        |
| 20                   | QPSK       | 100     | 0         | 22.61                 | 22.72                    | 22.66                  |                     |          |
| 20                   | 16QAM      | 1       | 0         | 22.86                 | 22.94                    | 22.85                  |                     |          |
| 20                   | 16QAM      | 1       | 49        | 22.72                 | 22.86                    | 22.69                  | 24                  | 1        |
| 20                   | 16QAM      | 1       | 99        | 22.65                 | 22.79                    | 22.68                  | 23                  | 2        |
| 20                   | 16QAM      | 50      | 0         | 21.78                 | 21.83                    | 21.77                  |                     |          |
| 20                   | 16QAM      | 50      | 24        | 21.66                 | 21.68                    | 21.54                  |                     |          |
| 20                   | 16QAM      | 50      | 50        | 21.60                 | 21.66                    | 21.52                  | 23                  | 2        |
| 20                   | 16QAM      | 100     | 0         | 21.60                 | 21.70                    | 21.55                  |                     |          |
| 20                   | 64QAM      | 1       | 0         | 21.78                 | 21.89                    | 21.84                  |                     |          |
| 20                   | 64QAM      | 1       | 49        | 21.71                 | 21.86                    | 21.73                  | 23                  | 2        |
| 20                   | 64QAM      | 1       | 99        | 21.66                 | 21.74                    | 21.62                  | 22                  | 3        |
| 20                   | 64QAM      | 50      | 0         | 20.75                 | 20.81                    | 20.70                  |                     |          |
| 20                   | 64QAM      | 50      | 24        | 20.63                 | 20.66                    | 20.51                  |                     |          |
| 20                   | 64QAM      | 50      | 50        | 20.58                 | 20.64                    | 20.57                  | 20                  | 5        |
| 20                   | 64QAM      | 100     | 0         | 20.73                 | 20.77                    | 20.75                  |                     |          |
| 20                   | 256QAM     | 1       | 0         | 18.56                 | 18.79                    | 18.63                  |                     |          |
| 20                   | 256QAM     | 1       | 49        | 18.67                 | 18.62                    | 18.68                  | 20                  | 5        |
| 20                   | 256QAM     | 1       | 99        | 18.72                 | 18.74                    | 18.56                  | 20                  | 5        |
| 20                   | 256QAM     | 50      | 0         | 18.69                 | 18.80                    | 18.78                  |                     |          |
| 20                   | 256QAM     | 50      | 24        | 18.77                 | 18.69                    | 18.76                  |                     |          |
| 20                   | 256QAM     | 50      | 50        | 18.74                 | 18.78                    | 18.68                  | 24                  | 1        |
| 20                   | 256QAM     | 100     | 0         | 18.75                 | 18.73                    | 18.65                  |                     |          |
| 20                   | 256QAM     | 50      | 50        | 18.74                 | 18.78                    | 18.68                  |                     |          |
| Channel              |            |         |           | 133197                | 133297                   | 133397                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)      |            |         |           | 670.5                 | 680.5                    | 690.5                  |                     |          |
| 15                   | QPSK       | 1       | 0         | 23.73                 | 23.76                    | 23.57                  | 25                  | 0        |
| 15                   | QPSK       | 1       | 37        | 23.49                 | 23.62                    | 23.58                  |                     |          |
| 15                   | QPSK       | 1       | 74        | 23.45                 | 23.49                    | 23.39                  |                     |          |
| 15                   | QPSK       | 36      | 0         | 22.68                 | 22.75                    | 22.68                  | 24                  | 1        |
| 15                   | QPSK       | 36      | 20        | 22.59                 | 22.64                    | 22.56                  |                     |          |
| 15                   | QPSK       | 36      | 39        | 22.60                 | 22.66                    | 22.60                  |                     |          |
| 15                   | QPSK       | 75      | 0         | 22.44                 | 22.61                    | 22.53                  | 24                  | 1        |
| 15                   | 16QAM      | 1       | 0         | 22.82                 | 22.87                    | 22.81                  |                     |          |
| 15                   | 16QAM      | 1       | 37        | 22.64                 | 22.76                    | 22.53                  |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15              | 16QAM  | 1  | 74 | 22.51  | 22.64  | 22.65  |                     |          |
| 15              | 16QAM  | 36 | 0  | 21.64  | 21.68  | 21.65  | 23                  | 2        |
| 15              | 16QAM  | 36 | 20 | 21.61  | 21.55  | 21.38  |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.55  | 21.61  | 21.35  |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.55  | 21.68  | 21.38  | 23                  | 2        |
| 15              | 64QAM  | 1  | 0  | 21.74  | 21.75  | 21.81  |                     |          |
| 15              | 64QAM  | 1  | 37 | 21.62  | 21.82  | 21.68  |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.64  | 21.65  | 21.49  | 22                  | 3        |
| 15              | 64QAM  | 36 | 0  | 20.60  | 20.68  | 20.57  |                     |          |
| 15              | 64QAM  | 36 | 20 | 20.55  | 20.64  | 20.36  |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.52  | 20.57  | 20.53  | 20                  | 5        |
| 15              | 64QAM  | 75 | 0  | 20.65  | 20.64  | 20.58  |                     |          |
| 15              | 256QAM | 1  | 0  | 18.63  | 18.80  | 18.70  |                     |          |
| 15              | 256QAM | 1  | 37 | 18.61  | 18.70  | 18.61  | 20                  | 5        |
| 15              | 256QAM | 1  | 74 | 18.72  | 18.73  | 18.61  |                     |          |
| 15              | 256QAM | 36 | 0  | 18.68  | 18.90  | 18.73  |                     |          |
| 15              | 256QAM | 36 | 20 | 18.71  | 18.75  | 18.76  | 20                  | 5        |
| 15              | 256QAM | 36 | 39 | 18.73  | 18.79  | 18.73  |                     |          |
| 15              | 256QAM | 75 | 0  | 18.77  | 18.82  | 18.67  |                     |          |
| Channel         |        |    |    | 133172 | 133272 | 133422 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 668    | 678    | 693    |                     |          |
| 10              | QPSK   | 1  | 0  | 23.77  | 23.79  | 23.63  | 25                  | 0        |
| 10              | QPSK   | 1  | 25 | 23.49  | 23.54  | 23.58  |                     |          |
| 10              | QPSK   | 1  | 49 | 23.51  | 23.61  | 23.48  |                     |          |
| 10              | QPSK   | 25 | 0  | 22.73  | 22.76  | 22.67  | 24                  | 1        |
| 10              | QPSK   | 25 | 12 | 22.60  | 22.67  | 22.42  |                     |          |
| 10              | QPSK   | 25 | 25 | 22.55  | 22.69  | 22.62  |                     |          |
| 10              | QPSK   | 50 | 0  | 22.50  | 22.64  | 22.60  | 24                  | 1        |
| 10              | 16QAM  | 1  | 0  | 22.78  | 22.91  | 22.77  |                     |          |
| 10              | 16QAM  | 1  | 25 | 22.61  | 22.75  | 22.54  |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.53  | 22.70  | 22.59  | 23                  | 2        |
| 10              | 16QAM  | 25 | 0  | 21.66  | 21.76  | 21.64  |                     |          |
| 10              | 16QAM  | 25 | 12 | 21.58  | 21.55  | 21.42  |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.50  | 21.62  | 21.42  | 23                  | 2        |
| 10              | 16QAM  | 50 | 0  | 21.55  | 21.55  | 21.48  |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.61  | 21.75  | 21.72  |                     |          |
| 10              | 64QAM  | 1  | 25 | 21.64  | 21.74  | 21.56  | 23                  | 2        |
| 10              | 64QAM  | 1  | 49 | 21.61  | 21.62  | 21.52  |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.69  | 20.74  | 20.61  |                     |          |
| 10              | 64QAM  | 25 | 12 | 20.58  | 20.51  | 20.39  | 22                  | 3        |
| 10              | 64QAM  | 25 | 25 | 20.56  | 20.47  | 20.45  |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.68  | 20.73  | 20.61  |                     |          |
| 10              | 256QAM | 1  | 0  | 18.66  | 18.72  | 18.72  | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.59  | 18.60  | 18.60  |                     |          |
| 10              | 256QAM | 1  | 49 | 18.70  | 18.77  | 18.59  |                     |          |
| 10              | 256QAM | 25 | 0  | 18.73  | 18.91  | 18.77  | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.71  | 18.75  | 18.66  |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 10              | 256QAM | 25 | 25 | 18.80  | 18.76  | 18.64  |                     |          |
| 10              | 256QAM | 50 | 0  | 18.64  | 18.85  | 18.74  |                     |          |
| Channel         |        |    |    | 133147 | 133247 | 133447 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 665.5  | 675.5  | 695.5  |                     |          |
| 5               | QPSK   | 1  | 0  | 23.67  | 23.73  | 23.65  | 25                  | 0        |
| 5               | QPSK   | 1  | 12 | 23.53  | 23.59  | 23.58  |                     |          |
| 5               | QPSK   | 1  | 24 | 23.49  | 23.50  | 23.43  |                     |          |
| 5               | QPSK   | 12 | 0  | 22.72  | 22.77  | 22.77  | 24                  | 1        |
| 5               | QPSK   | 12 | 7  | 22.60  | 22.67  | 22.46  |                     |          |
| 5               | QPSK   | 12 | 13 | 22.49  | 22.69  | 22.59  |                     |          |
| 5               | QPSK   | 25 | 0  | 22.52  | 22.69  | 22.58  | 24                  | 1        |
| 5               | 16QAM  | 1  | 0  | 22.72  | 22.84  | 22.77  |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.66  | 22.82  | 22.66  |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.48  | 22.64  | 22.59  | 23                  | 2        |
| 5               | 16QAM  | 12 | 0  | 21.64  | 21.73  | 21.64  |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.51  | 21.65  | 21.39  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.55  | 21.57  | 21.44  | 23                  | 2        |
| 5               | 16QAM  | 25 | 0  | 21.51  | 21.58  | 21.40  |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.75  | 21.73  | 21.75  |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.57  | 21.82  | 21.58  | 22                  | 3        |
| 5               | 64QAM  | 1  | 24 | 21.51  | 21.65  | 21.56  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.73  | 20.71  | 20.64  |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.54  | 20.56  | 20.35  | 20                  | 5        |
| 5               | 64QAM  | 12 | 13 | 20.48  | 20.56  | 20.49  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.62  | 20.66  | 20.65  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.57  | 18.69  | 18.69  | 20                  | 5        |
| 5               | 256QAM | 1  | 12 | 18.61  | 18.72  | 18.70  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.74  | 18.73  | 18.51  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.70  | 18.83  | 18.76  | 20                  | 5        |
| 5               | 256QAM | 12 | 7  | 18.75  | 18.78  | 18.69  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.70  | 18.80  | 18.61  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.76  | 18.86  | 18.78  |                     |          |



| Band 2 Ant1 Default ENDC |            |         |           |                       |                          |                        |                     |          |
|--------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]                 | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel                  |            |         |           | 18700                 | 18900                    | 19100                  |                     |          |
| Frequency (MHz)          |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |
| 20                       | QPSK       | 1       | 0         | 23.79                 | 23.81                    | 23.79                  | 25                  | 0        |
| 20                       | QPSK       | 1       | 49        | 23.76                 | 23.80                    | 23.72                  |                     |          |
| 20                       | QPSK       | 1       | 99        | 23.73                 | 23.79                    | 23.66                  |                     |          |
| 20                       | QPSK       | 50      | 0         | 22.97                 | 22.98                    | 22.79                  | 24                  | 1        |
| 20                       | QPSK       | 50      | 24        | 22.91                 | 22.97                    | 22.84                  |                     |          |
| 20                       | QPSK       | 50      | 50        | 22.91                 | 22.91                    | 22.74                  |                     |          |
| 20                       | QPSK       | 100     | 0         | 22.72                 | 22.89                    | 22.72                  | 24                  | 1        |
| 20                       | 16QAM      | 1       | 0         | 22.62                 | 22.67                    | 22.51                  |                     |          |
| 20                       | 16QAM      | 1       | 49        | 22.62                 | 22.62                    | 22.54                  |                     |          |
| 20                       | 16QAM      | 1       | 99        | 22.50                 | 22.60                    | 22.58                  | 24                  | 1        |
| 20                       | 16QAM      | 50      | 0         | 21.78                 | 21.92                    | 21.72                  |                     |          |
| 20                       | 16QAM      | 50      | 24        | 21.76                 | 21.92                    | 21.89                  |                     |          |
| 20                       | 16QAM      | 50      | 50        | 21.71                 | 21.87                    | 21.73                  | 23                  | 2        |
| 20                       | 16QAM      | 100     | 0         | 21.88                 | 21.97                    | 21.87                  |                     |          |
| 20                       | 64QAM      | 1       | 0         | 22.29                 | 22.43                    | 22.33                  |                     |          |
| 20                       | 64QAM      | 1       | 49        | 22.33                 | 22.35                    | 22.30                  | 23                  | 2        |
| 20                       | 64QAM      | 1       | 99        | 22.26                 | 22.37                    | 22.15                  |                     |          |
| 20                       | 64QAM      | 50      | 0         | 20.92                 | 20.98                    | 20.77                  |                     |          |
| 20                       | 64QAM      | 50      | 24        | 20.97                 | 20.97                    | 20.77                  | 22                  | 3        |
| 20                       | 64QAM      | 50      | 50        | 20.74                 | 20.93                    | 20.74                  |                     |          |
| 20                       | 64QAM      | 100     | 0         | 20.87                 | 20.92                    | 20.86                  |                     |          |
| 20                       | 256QAM     | 1       | 0         | 18.89                 | 18.92                    | 18.81                  | 20                  | 5        |
| 20                       | 256QAM     | 1       | 49        | 18.68                 | 18.89                    | 18.90                  |                     |          |
| 20                       | 256QAM     | 1       | 99        | 18.65                 | 18.85                    | 18.74                  |                     |          |
| 20                       | 256QAM     | 50      | 0         | 18.73                 | 18.94                    | 18.88                  | 20                  | 5        |
| 20                       | 256QAM     | 50      | 24        | 18.78                 | 18.98                    | 18.77                  |                     |          |
| 20                       | 256QAM     | 50      | 50        | 18.88                 | 18.92                    | 18.80                  |                     |          |
| 20                       | 256QAM     | 100     | 0         | 18.75                 | 18.95                    | 18.94                  | 20                  | 5        |
| Channel                  |            |         |           | 18675                 | 18900                    | 19125                  |                     |          |
| Frequency (MHz)          |            |         |           | 1857.5                | 1880                     | 1902.5                 |                     |          |
| 15                       | QPSK       | 1       | 0         | 23.63                 | 23.72                    | 23.58                  | 25                  | 0        |
| 15                       | QPSK       | 1       | 37        | 23.57                 | 23.71                    | 23.72                  |                     |          |
| 15                       | QPSK       | 1       | 74        | 23.67                 | 23.67                    | 23.51                  |                     |          |
| 15                       | QPSK       | 36      | 0         | 22.77                 | 22.95                    | 22.68                  | 24                  | 1        |
| 15                       | QPSK       | 36      | 20        | 22.83                 | 22.85                    | 22.68                  |                     |          |
| 15                       | QPSK       | 36      | 39        | 22.86                 | 22.71                    | 22.58                  |                     |          |
| 15                       | QPSK       | 75      | 0         | 22.69                 | 22.88                    | 22.65                  | 24                  | 1        |
| 15                       | 16QAM      | 1       | 0         | 22.55                 | 22.57                    | 22.45                  |                     |          |
| 15                       | 16QAM      | 1       | 37        | 22.52                 | 22.53                    | 22.44                  |                     |          |



|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 15              | 16QAM  | 1  | 74 | 22.43 | 22.49 | 22.49 |                     |          |
| 15              | 16QAM  | 36 | 0  | 21.71 | 21.93 | 21.57 | 23                  | 2        |
| 15              | 16QAM  | 36 | 20 | 21.62 | 21.74 | 21.72 |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.50 | 21.66 | 21.75 |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.83 | 21.89 | 21.65 |                     |          |
| 15              | 64QAM  | 1  | 0  | 22.23 | 22.40 | 22.20 | 23                  | 2        |
| 15              | 64QAM  | 1  | 37 | 22.24 | 22.32 | 22.28 |                     |          |
| 15              | 64QAM  | 1  | 74 | 22.25 | 22.34 | 22.08 |                     |          |
| 15              | 64QAM  | 36 | 0  | 20.83 | 20.97 | 20.61 | 22                  | 3        |
| 15              | 64QAM  | 36 | 20 | 20.93 | 20.97 | 20.63 |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.68 | 20.91 | 20.54 |                     |          |
| 15              | 64QAM  | 75 | 0  | 20.88 | 20.75 | 20.83 |                     |          |
| 15              | 256QAM | 1  | 0  | 18.69 | 18.82 | 18.79 | 20                  | 5        |
| 15              | 256QAM | 1  | 37 | 18.58 | 18.82 | 18.89 |                     |          |
| 15              | 256QAM | 1  | 74 | 18.52 | 18.72 | 18.69 |                     |          |
| 15              | 256QAM | 36 | 0  | 18.68 | 18.73 | 18.67 | 20                  | 5        |
| 15              | 256QAM | 36 | 20 | 18.70 | 18.82 | 18.62 |                     |          |
| 15              | 256QAM | 36 | 39 | 18.90 | 18.82 | 18.64 |                     |          |
| 15              | 256QAM | 75 | 0  | 18.61 | 18.94 | 18.90 |                     |          |
| Channel         |        |    |    | 18650 | 18900 | 19150 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1855  | 1880  | 1905  |                     |          |
| 10              | QPSK   | 1  | 0  | 23.69 | 23.77 | 23.63 | 25                  | 0        |
| 10              | QPSK   | 1  | 25 | 23.66 | 23.70 | 23.70 |                     |          |
| 10              | QPSK   | 1  | 49 | 23.51 | 23.60 | 23.44 |                     |          |
| 10              | QPSK   | 25 | 0  | 22.89 | 22.87 | 22.59 | 24                  | 1        |
| 10              | QPSK   | 25 | 12 | 22.77 | 22.91 | 22.63 |                     |          |
| 10              | QPSK   | 25 | 25 | 22.83 | 22.78 | 22.58 |                     |          |
| 10              | QPSK   | 50 | 0  | 22.74 | 22.83 | 22.70 |                     |          |
| 10              | 16QAM  | 1  | 0  | 22.43 | 22.66 | 22.51 | 24                  | 1        |
| 10              | 16QAM  | 1  | 25 | 22.49 | 22.63 | 22.52 |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.50 | 22.62 | 22.57 |                     |          |
| 10              | 16QAM  | 25 | 0  | 21.75 | 21.87 | 21.61 | 23                  | 2        |
| 10              | 16QAM  | 25 | 12 | 21.59 | 21.84 | 21.79 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.60 | 21.72 | 21.60 |                     |          |
| 10              | 16QAM  | 50 | 0  | 21.76 | 21.76 | 21.80 |                     |          |
| 10              | 64QAM  | 1  | 0  | 22.28 | 22.41 | 22.29 | 23                  | 2        |
| 10              | 64QAM  | 1  | 25 | 22.29 | 22.15 | 22.09 |                     |          |
| 10              | 64QAM  | 1  | 49 | 22.10 | 22.31 | 22.09 |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.83 | 20.77 | 20.73 | 22                  | 3        |
| 10              | 64QAM  | 25 | 12 | 20.93 | 20.76 | 20.64 |                     |          |
| 10              | 64QAM  | 25 | 25 | 20.56 | 20.93 | 20.69 |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.71 | 20.91 | 20.72 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.83 | 18.90 | 18.75 | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.51 | 18.88 | 18.89 |                     |          |
| 10              | 256QAM | 1  | 49 | 18.54 | 18.69 | 18.73 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.53 | 18.81 | 18.78 | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.68 | 18.87 | 18.63 |                     |          |



|                 |        |    |    |        |       |        |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 10              | 256QAM | 25 | 25 | 18.89  | 18.88 | 18.64  |                     |          |
| 10              | 256QAM | 50 | 0  | 18.77  | 18.88 | 18.94  |                     |          |
| Channel         |        |    |    | 18625  | 18900 | 19175  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1907.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 23.74  | 23.73 | 23.68  | 25                  | 0        |
| 5               | QPSK   | 1  | 12 | 23.71  | 23.68 | 23.62  |                     |          |
| 5               | QPSK   | 1  | 24 | 23.74  | 23.57 | 23.68  |                     |          |
| 5               | QPSK   | 12 | 0  | 22.89  | 22.91 | 22.58  | 24                  | 1        |
| 5               | QPSK   | 12 | 7  | 22.80  | 22.81 | 22.63  |                     |          |
| 5               | QPSK   | 12 | 13 | 22.91  | 22.78 | 22.54  |                     |          |
| 5               | QPSK   | 25 | 0  | 22.65  | 22.69 | 22.73  | 24                  | 1        |
| 5               | 16QAM  | 1  | 0  | 22.61  | 22.68 | 22.36  |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.50  | 22.41 | 22.40  |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.41  | 22.58 | 22.57  | 23                  | 2        |
| 5               | 16QAM  | 12 | 0  | 21.62  | 21.74 | 21.55  |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.74  | 21.86 | 21.77  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.68  | 21.77 | 21.71  | 23                  | 2        |
| 5               | 16QAM  | 25 | 0  | 21.72  | 21.78 | 21.73  |                     |          |
| 5               | 64QAM  | 1  | 0  | 22.21  | 22.28 | 22.30  |                     |          |
| 5               | 64QAM  | 1  | 12 | 22.30  | 22.21 | 22.14  | 23                  | 2        |
| 5               | 64QAM  | 1  | 24 | 22.17  | 22.29 | 22.01  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.92  | 20.83 | 20.65  |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.89  | 20.78 | 20.58  | 22                  | 3        |
| 5               | 64QAM  | 12 | 13 | 20.55  | 20.83 | 20.63  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.70  | 20.91 | 20.67  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.85  | 18.84 | 18.68  | 20                  | 5        |
| 5               | 256QAM | 1  | 12 | 18.67  | 18.81 | 18.87  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.56  | 18.71 | 18.56  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.67  | 18.84 | 18.68  | 20                  | 5        |
| 5               | 256QAM | 12 | 7  | 18.79  | 18.93 | 18.56  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.87  | 18.80 | 18.66  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.64  | 18.74 | 18.85  |                     |          |
| Channel         |        |    |    | 18615  | 18900 | 19185  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1908.5 |                     |          |
| 3               | QPSK   | 1  | 0  | 23.60  | 23.77 | 23.68  | 25                  | 0        |
| 3               | QPSK   | 1  | 8  | 23.70  | 23.66 | 23.51  |                     |          |
| 3               | QPSK   | 1  | 14 | 23.55  | 23.77 | 23.48  |                     |          |
| 3               | QPSK   | 8  | 0  | 22.75  | 22.92 | 22.65  | 24                  | 1        |
| 3               | QPSK   | 8  | 4  | 22.80  | 22.77 | 22.66  |                     |          |
| 3               | QPSK   | 8  | 7  | 22.84  | 22.76 | 22.65  |                     |          |
| 3               | QPSK   | 15 | 0  | 22.54  | 22.78 | 22.70  | 24                  | 1        |
| 3               | 16QAM  | 1  | 0  | 22.42  | 22.59 | 22.47  |                     |          |
| 3               | 16QAM  | 1  | 8  | 22.54  | 22.59 | 22.50  |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.35  | 22.38 | 22.47  | 23                  | 2        |
| 3               | 16QAM  | 8  | 0  | 21.68  | 21.85 | 21.56  |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.62  | 21.79 | 21.88  |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.53  | 21.88 | 21.51  |                     |          |



|                 |        |    |    |        |       |        |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 3               | 16QAM  | 15 | 0  | 21.83  | 21.88 | 21.71  |                     |          |
| 3               | 64QAM  | 1  | 0  | 22.08  | 22.32 | 22.16  | 23                  | 2        |
| 3               | 64QAM  | 1  | 8  | 22.27  | 22.14 | 22.21  |                     |          |
| 3               | 64QAM  | 1  | 14 | 22.28  | 22.17 | 22.10  |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.93  | 20.82 | 20.70  | 22                  | 3        |
| 3               | 64QAM  | 8  | 4  | 20.86  | 20.84 | 20.65  |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.72  | 20.95 | 20.75  |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.71  | 20.72 | 20.68  |                     |          |
| 3               | 256QAM | 1  | 0  | 18.90  | 18.88 | 18.74  | 20                  | 5        |
| 3               | 256QAM | 1  | 8  | 18.59  | 18.89 | 18.85  |                     |          |
| 3               | 256QAM | 1  | 14 | 18.48  | 18.74 | 18.63  |                     |          |
| 3               | 256QAM | 8  | 0  | 18.55  | 18.82 | 18.74  | 20                  | 5        |
| 3               | 256QAM | 8  | 4  | 18.78  | 18.82 | 18.78  |                     |          |
| 3               | 256QAM | 8  | 7  | 18.71  | 18.90 | 18.69  |                     |          |
| 3               | 256QAM | 15 | 0  | 18.76  | 18.82 | 18.87  |                     |          |
| Channel         |        |    |    | 18607  | 18900 | 19193  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1909.3 |                     |          |
| 1.4             | QPSK   | 1  | 0  | 23.65  | 23.80 | 23.65  | 25                  | 0        |
| 1.4             | QPSK   | 1  | 3  | 23.78  | 23.68 | 23.57  |                     |          |
| 1.4             | QPSK   | 1  | 5  | 23.70  | 23.62 | 23.63  |                     |          |
| 1.4             | QPSK   | 3  | 0  | 23.74  | 23.70 | 23.58  |                     |          |
| 1.4             | QPSK   | 3  | 1  | 23.62  | 23.67 | 23.65  |                     |          |
| 1.4             | QPSK   | 3  | 3  | 23.60  | 23.64 | 23.63  | 24                  | 1        |
| 1.4             | QPSK   | 6  | 0  | 22.86  | 22.95 | 22.74  |                     |          |
| 1.4             | 16QAM  | 1  | 0  | 22.72  | 22.86 | 22.76  | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 3  | 22.83  | 22.69 | 22.68  |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 22.55  | 22.72 | 22.74  |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 22.46  | 22.64 | 22.49  |                     |          |
| 1.4             | 16QAM  | 3  | 1  | 22.53  | 22.47 | 22.48  |                     |          |
| 1.4             | 16QAM  | 3  | 3  | 22.39  | 22.39 | 22.40  |                     |          |
| 1.4             | 16QAM  | 6  | 0  | 21.73  | 21.89 | 21.74  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 0  | 21.70  | 21.93 | 21.88  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 3  | 21.71  | 21.67 | 21.70  |                     |          |
| 1.4             | 64QAM  | 1  | 5  | 21.88  | 21.93 | 21.88  |                     |          |
| 1.4             | 64QAM  | 3  | 0  | 22.23  | 22.36 | 22.18  |                     |          |
| 1.4             | 64QAM  | 3  | 1  | 22.12  | 22.26 | 22.21  |                     |          |
| 1.4             | 64QAM  | 3  | 3  | 22.11  | 22.19 | 22.09  |                     |          |
| 1.4             | 64QAM  | 6  | 0  | 20.84  | 20.87 | 20.59  | 22                  | 3        |
| 1.4             | 256QAM | 1  | 0  | 18.70  | 18.90 | 18.81  | 20                  | 5        |
| 1.4             | 256QAM | 1  | 3  | 18.47  | 18.83 | 18.86  |                     |          |
| 1.4             | 256QAM | 1  | 5  | 18.62  | 18.64 | 18.61  |                     |          |
| 1.4             | 256QAM | 3  | 0  | 18.62  | 18.87 | 18.77  |                     |          |
| 1.4             | 256QAM | 3  | 1  | 18.56  | 18.83 | 18.64  |                     |          |
| 1.4             | 256QAM | 3  | 3  | 18.84  | 18.81 | 18.80  | 20                  | 5        |
| 1.4             | 256QAM | 6  | 0  | 18.72  | 18.81 | 18.96  |                     |          |



| Band 4 Ant1 Default ENDC |            |         |           |                       |                          |                        |                     |          |
|--------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]                 | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel                  |            |         |           | 20050                 | 20175                    | 20300                  |                     |          |
| Frequency (MHz)          |            |         |           | 1720                  | 1732.5                   | 1745                   |                     |          |
| 20                       | QPSK       | 1       | 0         | 23.30                 | 23.43                    | 23.40                  | 24.5                | 0        |
| 20                       | QPSK       | 1       | 49        | 23.25                 | 23.39                    | 23.30                  |                     |          |
| 20                       | QPSK       | 1       | 99        | 23.42                 | 23.38                    | 23.25                  |                     |          |
| 20                       | QPSK       | 50      | 0         | 22.82                 | 22.89                    | 22.84                  | 24                  | 0.5      |
| 20                       | QPSK       | 50      | 24        | 22.82                 | 22.81                    | 22.81                  |                     |          |
| 20                       | QPSK       | 50      | 50        | 22.80                 | 22.83                    | 22.65                  |                     |          |
| 20                       | QPSK       | 100     | 0         | 22.84                 | 22.86                    | 22.80                  | 24                  | 0.5      |
| 20                       | 16QAM      | 1       | 0         | 22.57                 | 22.65                    | 22.61                  |                     |          |
| 20                       | 16QAM      | 1       | 49        | 22.65                 | 22.72                    | 22.53                  |                     |          |
| 20                       | 16QAM      | 1       | 99        | 22.58                 | 22.77                    | 22.63                  | 23                  | 1.5      |
| 20                       | 16QAM      | 50      | 0         | 21.64                 | 21.85                    | 21.74                  |                     |          |
| 20                       | 16QAM      | 50      | 24        | 21.72                 | 21.91                    | 21.90                  |                     |          |
| 20                       | 16QAM      | 50      | 50        | 21.77                 | 21.92                    | 21.92                  | 23                  | 1.5      |
| 20                       | 16QAM      | 100     | 0         | 21.95                 | 21.93                    | 21.92                  |                     |          |
| 20                       | 64QAM      | 1       | 0         | 22.10                 | 22.32                    | 22.14                  |                     |          |
| 20                       | 64QAM      | 1       | 49        | 22.37                 | 22.38                    | 22.39                  | 23                  | 1.5      |
| 20                       | 64QAM      | 1       | 99        | 22.25                 | 22.32                    | 22.30                  |                     |          |
| 20                       | 64QAM      | 50      | 0         | 20.85                 | 20.99                    | 20.94                  |                     |          |
| 20                       | 64QAM      | 50      | 24        | 20.86                 | 20.91                    | 20.69                  | 22                  | 2.5      |
| 20                       | 64QAM      | 50      | 50        | 20.99                 | 21.00                    | 21.00                  |                     |          |
| 20                       | 64QAM      | 100     | 0         | 20.73                 | 20.88                    | 20.77                  |                     |          |
| 20                       | 256QAM     | 1       | 0         | 18.64                 | 18.85                    | 18.64                  | 20                  | 4.5      |
| 20                       | 256QAM     | 1       | 49        | 18.78                 | 18.91                    | 18.83                  |                     |          |
| 20                       | 256QAM     | 1       | 99        | 18.70                 | 18.86                    | 18.79                  |                     |          |
| 20                       | 256QAM     | 50      | 0         | 18.89                 | 18.93                    | 18.77                  | 20                  | 4.5      |
| 20                       | 256QAM     | 50      | 24        | 18.65                 | 18.85                    | 18.71                  |                     |          |
| 20                       | 256QAM     | 50      | 50        | 18.78                 | 18.88                    | 18.78                  |                     |          |
| 20                       | 256QAM     | 100     | 0         | 18.75                 | 18.87                    | 18.84                  | 24                  | 0.5      |
| Channel                  |            |         |           | 20025                 | 20175                    | 20325                  |                     |          |
| Frequency (MHz)          |            |         |           | 1717.5                | 1732.5                   | 1747.5                 |                     |          |
| 15                       | QPSK       | 1       | 0         | 23.24                 | 23.35                    | 23.34                  | 24.5                | 0        |
| 15                       | QPSK       | 1       | 37        | 23.20                 | 23.32                    | 23.26                  |                     |          |
| 15                       | QPSK       | 1       | 74        | 23.34                 | 23.32                    | 23.20                  |                     |          |
| 15                       | QPSK       | 36      | 0         | 22.73                 | 22.84                    | 22.79                  | 24                  | 0.5      |
| 15                       | QPSK       | 36      | 20        | 22.81                 | 22.77                    | 22.72                  |                     |          |
| 15                       | QPSK       | 36      | 39        | 22.66                 | 22.82                    | 22.49                  |                     |          |
| 15                       | QPSK       | 75      | 0         | 22.74                 | 22.84                    | 22.80                  | 24                  | 0.5      |
| 15                       | 16QAM      | 1       | 0         | 22.55                 | 22.55                    | 22.41                  |                     |          |
| 15                       | 16QAM      | 1       | 37        | 22.50                 | 22.66                    | 22.46                  |                     |          |





|                 |        |    |    |       |        |       |                     |          |
|-----------------|--------|----|----|-------|--------|-------|---------------------|----------|
| 15              | 16QAM  | 1  | 74 | 22.47 | 22.63  | 22.42 |                     |          |
| 15              | 16QAM  | 36 | 0  | 21.53 | 21.75  | 21.72 | 23                  | 1.5      |
| 15              | 16QAM  | 36 | 20 | 21.54 | 21.90  | 21.88 |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.63 | 21.91  | 21.91 |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.91 | 21.87  | 21.71 |                     |          |
| 15              | 64QAM  | 1  | 0  | 21.93 | 22.18  | 21.98 | 23                  | 1.5      |
| 15              | 64QAM  | 1  | 37 | 22.32 | 22.36  | 22.35 |                     |          |
| 15              | 64QAM  | 1  | 74 | 22.27 | 22.19  | 22.31 |                     |          |
| 15              | 64QAM  | 36 | 0  | 20.84 | 20.78  | 20.85 | 22                  | 2.5      |
| 15              | 64QAM  | 36 | 20 | 20.65 | 20.83  | 20.57 |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.89 | 20.95  | 20.94 |                     |          |
| 15              | 64QAM  | 75 | 0  | 20.52 | 20.76  | 20.66 |                     |          |
| 15              | 256QAM | 1  | 0  | 18.65 | 18.73  | 18.54 | 20                  | 4.5      |
| 15              | 256QAM | 1  | 37 | 18.61 | 18.82  | 18.63 |                     |          |
| 15              | 256QAM | 1  | 74 | 18.60 | 18.75  | 18.62 |                     |          |
| 15              | 256QAM | 36 | 0  | 18.68 | 18.94  | 18.78 | 20                  | 4.5      |
| 15              | 256QAM | 36 | 20 | 18.57 | 18.75  | 18.67 |                     |          |
| 15              | 256QAM | 36 | 39 | 18.61 | 18.76  | 18.63 |                     |          |
| 15              | 256QAM | 75 | 0  | 18.69 | 18.69  | 18.80 |                     |          |
| Channel         |        |    |    | 20000 | 20175  | 20350 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1715  | 1732.5 | 1750  |                     |          |
| 10              | QPSK   | 1  | 0  | 23.24 | 23.41  | 23.30 | 24.5                | 0        |
| 10              | QPSK   | 1  | 25 | 23.18 | 23.30  | 23.27 |                     |          |
| 10              | QPSK   | 1  | 49 | 23.32 | 23.34  | 23.19 |                     |          |
| 10              | QPSK   | 25 | 0  | 22.70 | 22.90  | 22.74 | 24                  | 0.5      |
| 10              | QPSK   | 25 | 12 | 22.76 | 22.80  | 22.82 |                     |          |
| 10              | QPSK   | 25 | 25 | 22.79 | 22.83  | 22.44 |                     |          |
| 10              | QPSK   | 50 | 0  | 22.63 | 22.65  | 22.81 |                     |          |
| 10              | 16QAM  | 1  | 0  | 22.42 | 22.49  | 22.51 | 24                  | 0.5      |
| 10              | 16QAM  | 1  | 25 | 22.64 | 22.59  | 22.54 |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.41 | 22.60  | 22.49 |                     |          |
| 10              | 16QAM  | 25 | 0  | 21.61 | 21.69  | 21.70 | 23                  | 1.5      |
| 10              | 16QAM  | 25 | 12 | 21.53 | 21.71  | 21.86 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.56 | 21.88  | 21.87 |                     |          |
| 10              | 16QAM  | 50 | 0  | 21.78 | 21.80  | 21.94 |                     |          |
| 10              | 64QAM  | 1  | 0  | 22.11 | 22.25  | 21.94 | 23                  | 1.5      |
| 10              | 64QAM  | 1  | 25 | 22.26 | 22.20  | 22.28 |                     |          |
| 10              | 64QAM  | 1  | 49 | 22.24 | 22.20  | 22.21 |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.74 | 20.77  | 20.82 | 22                  | 2.5      |
| 10              | 64QAM  | 25 | 12 | 20.87 | 20.84  | 20.48 |                     |          |
| 10              | 64QAM  | 25 | 25 | 20.98 | 20.83  | 20.96 |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.72 | 20.78  | 20.69 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.53 | 18.75  | 18.51 | 20                  | 4.5      |
| 10              | 256QAM | 1  | 25 | 18.75 | 18.74  | 18.79 |                     |          |
| 10              | 256QAM | 1  | 49 | 18.65 | 18.71  | 18.59 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.80 | 18.79  | 18.55 | 20                  | 4.5      |
| 10              | 256QAM | 25 | 12 | 18.44 | 18.71  | 18.51 |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 10              | 256QAM | 25 | 25 | 18.69  | 18.89  | 18.65  |                     |          |
| 10              | 256QAM | 50 | 0  | 18.65  | 18.66  | 18.63  |                     |          |
| Channel         |        |    |    | 19975  | 20175  | 20375  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1712.5 | 1732.5 | 1752.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 23.27  | 23.35  | 23.37  | 24.5                | 0        |
| 5               | QPSK   | 1  | 12 | 23.18  | 23.37  | 23.24  |                     |          |
| 5               | QPSK   | 1  | 24 | 23.36  | 23.34  | 23.16  |                     |          |
| 5               | QPSK   | 12 | 0  | 22.72  | 22.82  | 22.76  | 24                  | 0.5      |
| 5               | QPSK   | 12 | 7  | 22.83  | 22.78  | 22.60  |                     |          |
| 5               | QPSK   | 12 | 13 | 22.78  | 22.83  | 22.46  |                     |          |
| 5               | QPSK   | 25 | 0  | 22.81  | 22.83  | 22.77  | 24                  | 0.5      |
| 5               | 16QAM  | 1  | 0  | 22.46  | 22.65  | 22.49  |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.60  | 22.69  | 22.48  |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.59  | 22.69  | 22.64  | 23                  | 1.5      |
| 5               | 16QAM  | 12 | 0  | 21.56  | 21.74  | 21.61  |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.52  | 21.79  | 21.92  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.57  | 21.77  | 21.92  | 23                  | 1.5      |
| 5               | 16QAM  | 25 | 0  | 21.76  | 21.83  | 21.76  |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.94  | 22.23  | 22.01  |                     |          |
| 5               | 64QAM  | 1  | 12 | 22.24  | 22.19  | 22.39  | 23                  | 1.5      |
| 5               | 64QAM  | 1  | 24 | 22.04  | 22.18  | 22.21  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.74  | 20.91  | 20.87  |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.87  | 20.70  | 20.67  | 22                  | 2.5      |
| 5               | 64QAM  | 12 | 13 | 20.85  | 20.93  | 20.84  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.57  | 20.81  | 20.71  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.42  | 18.85  | 18.57  | 20                  | 4.5      |
| 5               | 256QAM | 1  | 12 | 18.70  | 18.77  | 18.78  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.59  | 18.78  | 18.77  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.84  | 18.75  | 18.66  | 20                  | 4.5      |
| 5               | 256QAM | 12 | 7  | 18.54  | 18.70  | 18.70  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.58  | 18.89  | 18.70  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.64  | 18.65  | 18.64  |                     |          |
| Channel         |        |    |    | 19965  | 20175  | 20385  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1711.5 | 1732.5 | 1753.5 |                     |          |
| 3               | QPSK   | 1  | 0  | 23.21  | 23.37  | 23.36  | 24.5                | 0        |
| 3               | QPSK   | 1  | 8  | 23.16  | 23.30  | 23.26  |                     |          |
| 3               | QPSK   | 1  | 14 | 23.32  | 23.32  | 23.17  |                     |          |
| 3               | QPSK   | 8  | 0  | 22.69  | 22.76  | 22.64  | 24                  | 0.5      |
| 3               | QPSK   | 8  | 4  | 22.71  | 22.64  | 22.82  |                     |          |
| 3               | QPSK   | 8  | 7  | 22.70  | 22.69  | 22.62  |                     |          |
| 3               | QPSK   | 15 | 0  | 22.68  | 22.65  | 22.64  | 24                  | 0.5      |
| 3               | 16QAM  | 1  | 0  | 22.35  | 22.49  | 22.52  |                     |          |
| 3               | 16QAM  | 1  | 8  | 22.54  | 22.62  | 22.53  |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.52  | 22.66  | 22.63  | 23                  | 1.5      |
| 3               | 16QAM  | 8  | 0  | 21.55  | 21.85  | 21.56  |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.53  | 21.78  | 21.70  |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.63  | 21.74  | 21.77  |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 3               | 16QAM  | 15 | 0  | 21.86  | 21.73  | 21.88  |                     |          |
| 3               | 64QAM  | 1  | 0  | 21.89  | 22.14  | 22.05  | 23                  | 1.5      |
| 3               | 64QAM  | 1  | 8  | 22.24  | 22.17  | 22.39  |                     |          |
| 3               | 64QAM  | 1  | 14 | 22.17  | 22.24  | 22.12  |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.66  | 20.95  | 20.86  | 22                  | 2.5      |
| 3               | 64QAM  | 8  | 4  | 20.77  | 20.89  | 20.71  |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.85  | 21.01  | 20.79  |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.74  | 20.87  | 20.76  |                     |          |
| 3               | 256QAM | 1  | 0  | 18.44  | 18.81  | 18.58  | 20                  | 4.5      |
| 3               | 256QAM | 1  | 8  | 18.71  | 18.87  | 18.62  |                     |          |
| 3               | 256QAM | 1  | 14 | 18.69  | 18.86  | 18.78  |                     |          |
| 3               | 256QAM | 8  | 0  | 18.68  | 18.77  | 18.75  | 20                  | 4.5      |
| 3               | 256QAM | 8  | 4  | 18.55  | 18.82  | 18.63  |                     |          |
| 3               | 256QAM | 8  | 7  | 18.73  | 18.89  | 18.76  |                     |          |
| 3               | 256QAM | 15 | 0  | 18.55  | 18.70  | 18.68  |                     |          |
| Channel         |        |    |    | 19957  | 20175  | 20393  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1710.7 | 1732.5 | 1754.3 |                     |          |
| 1.4             | QPSK   | 1  | 0  | 23.25  | 23.34  | 23.37  | 24.5                | 0        |
| 1.4             | QPSK   | 1  | 3  | 23.22  | 23.34  | 23.23  |                     |          |
| 1.4             | QPSK   | 1  | 5  | 23.38  | 23.36  | 23.20  |                     |          |
| 1.4             | QPSK   | 3  | 0  | 23.20  | 23.37  | 23.30  |                     |          |
| 1.4             | QPSK   | 3  | 1  | 23.22  | 23.30  | 23.26  |                     |          |
| 1.4             | QPSK   | 3  | 3  | 23.38  | 23.29  | 23.18  | 24                  | 0.5      |
| 1.4             | QPSK   | 6  | 0  | 22.71  | 22.84  | 22.83  |                     |          |
| 1.4             | 16QAM  | 1  | 0  | 22.67  | 22.80  | 22.74  | 24                  | 0.5      |
| 1.4             | 16QAM  | 1  | 3  | 22.80  | 22.75  | 22.46  |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 22.67  | 22.70  | 22.60  |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 22.57  | 22.55  | 22.62  |                     |          |
| 1.4             | 16QAM  | 3  | 1  | 22.49  | 22.57  | 22.41  |                     |          |
| 1.4             | 16QAM  | 3  | 3  | 22.58  | 22.68  | 22.64  |                     |          |
| 1.4             | 16QAM  | 6  | 0  | 21.56  | 21.70  | 21.52  | 23                  | 1.5      |
| 1.4             | 64QAM  | 1  | 0  | 21.52  | 21.73  | 21.84  | 23                  | 1.5      |
| 1.4             | 64QAM  | 1  | 3  | 21.58  | 21.85  | 21.80  |                     |          |
| 1.4             | 64QAM  | 1  | 5  | 21.94  | 21.80  | 21.86  |                     |          |
| 1.4             | 64QAM  | 3  | 0  | 22.02  | 22.32  | 22.03  |                     |          |
| 1.4             | 64QAM  | 3  | 1  | 22.25  | 22.32  | 22.29  |                     |          |
| 1.4             | 64QAM  | 3  | 3  | 22.16  | 22.14  | 22.10  | 22                  | 2.5      |
| 1.4             | 64QAM  | 6  | 0  | 20.85  | 20.81  | 20.86  |                     |          |
| 1.4             | 256QAM | 1  | 0  | 18.46  | 18.68  | 18.60  | 20                  | 4.5      |
| 1.4             | 256QAM | 1  | 3  | 18.66  | 18.86  | 18.80  |                     |          |
| 1.4             | 256QAM | 1  | 5  | 18.65  | 18.87  | 18.69  |                     |          |
| 1.4             | 256QAM | 3  | 0  | 18.91  | 18.93  | 18.55  |                     |          |
| 1.4             | 256QAM | 3  | 1  | 18.49  | 18.75  | 18.50  |                     |          |
| 1.4             | 256QAM | 3  | 3  | 18.60  | 18.87  | 18.76  |                     |          |
| 1.4             | 256QAM | 6  | 0  | 18.56  | 18.87  | 18.86  | 20                  | 4.5      |



| Band 25 Ant1 Default ENDC |            |         |           |                       |                          |                        |                     |          |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]                  | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel                   |            |         |           | 26140                 | 26340                    | 26590                  |                     |          |
| Frequency (MHz)           |            |         |           | 1860                  | 1880                     | 1905                   |                     |          |
| 20                        | QPSK       | 1       | 0         | 23.76                 | 23.83                    | 23.70                  | 25                  | 0        |
| 20                        | QPSK       | 1       | 49        | 23.73                 | 23.75                    | 23.69                  |                     |          |
| 20                        | QPSK       | 1       | 99        | 23.61                 | 23.80                    | 23.66                  |                     |          |
| 20                        | QPSK       | 50      | 0         | 22.62                 | 22.81                    | 22.77                  | 24                  | 1        |
| 20                        | QPSK       | 50      | 24        | 22.64                 | 22.79                    | 22.80                  |                     |          |
| 20                        | QPSK       | 50      | 50        | 22.60                 | 22.80                    | 22.69                  |                     |          |
| 20                        | QPSK       | 100     | 0         | 22.64                 | 22.78                    | 22.58                  | 24                  | 1        |
| 20                        | 16QAM      | 1       | 0         | 22.60                 | 22.70                    | 22.62                  |                     |          |
| 20                        | 16QAM      | 1       | 49        | 22.49                 | 22.58                    | 22.42                  |                     |          |
| 20                        | 16QAM      | 1       | 99        | 22.60                 | 22.63                    | 22.56                  | 24                  | 1        |
| 20                        | 16QAM      | 50      | 0         | 21.70                 | 21.72                    | 21.59                  |                     |          |
| 20                        | 16QAM      | 50      | 24        | 21.65                 | 21.80                    | 21.66                  |                     |          |
| 20                        | 16QAM      | 50      | 50        | 21.57                 | 21.75                    | 21.72                  | 23                  | 2        |
| 20                        | 16QAM      | 100     | 0         | 21.74                 | 21.84                    | 21.66                  |                     |          |
| 20                        | 64QAM      | 1       | 0         | 22.09                 | 22.30                    | 22.15                  |                     |          |
| 20                        | 64QAM      | 1       | 49        | 22.25                 | 22.34                    | 22.27                  | 23                  | 2        |
| 20                        | 64QAM      | 1       | 99        | 22.18                 | 22.24                    | 22.05                  |                     |          |
| 20                        | 64QAM      | 50      | 0         | 20.64                 | 20.85                    | 20.81                  |                     |          |
| 20                        | 64QAM      | 50      | 24        | 20.88                 | 20.87                    | 20.73                  | 22                  | 3        |
| 20                        | 64QAM      | 50      | 50        | 20.74                 | 20.79                    | 20.65                  |                     |          |
| 20                        | 64QAM      | 100     | 0         | 20.73                 | 20.80                    | 20.77                  |                     |          |
| 20                        | 256QAM     | 1       | 0         | 18.66                 | 18.80                    | 18.65                  | 20                  | 5        |
| 20                        | 256QAM     | 1       | 49        | 18.69                 | 18.85                    | 18.67                  |                     |          |
| 20                        | 256QAM     | 1       | 99        | 18.63                 | 18.77                    | 18.69                  |                     |          |
| 20                        | 256QAM     | 50      | 0         | 18.64                 | 18.81                    | 18.67                  | 20                  | 5        |
| 20                        | 256QAM     | 50      | 24        | 18.63                 | 18.83                    | 18.70                  |                     |          |
| 20                        | 256QAM     | 50      | 50        | 18.73                 | 18.77                    | 18.74                  |                     |          |
| 20                        | 256QAM     | 100     | 0         | 18.71                 | 18.82                    | 18.65                  | 20                  | 5        |
| Channel                   |            |         |           | 26115                 | 26340                    | 26615                  |                     |          |
| Frequency (MHz)           |            |         |           | 1857.5                | 1880                     | 1907.5                 |                     |          |
| 15                        | QPSK       | 1       | 0         | 23.62                 | 23.71                    | 23.52                  | 25                  | 0        |
| 15                        | QPSK       | 1       | 37        | 23.53                 | 23.62                    | 23.47                  |                     |          |
| 15                        | QPSK       | 1       | 74        | 23.42                 | 23.81                    | 23.59                  |                     |          |
| 15                        | QPSK       | 36      | 0         | 22.63                 | 22.69                    | 22.57                  | 24                  | 1        |
| 15                        | QPSK       | 36      | 20        | 22.59                 | 22.67                    | 22.59                  |                     |          |
| 15                        | QPSK       | 36      | 39        | 22.53                 | 22.76                    | 22.55                  |                     |          |
| 15                        | QPSK       | 75      | 0         | 22.62                 | 22.60                    | 22.50                  | 24                  | 1        |
| 15                        | 16QAM      | 1       | 0         | 22.60                 | 22.69                    | 22.45                  |                     |          |
| 15                        | 16QAM      | 1       | 37        | 22.48                 | 22.59                    | 22.38                  |                     |          |



|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 15              | 16QAM  | 1  | 74 | 22.54 | 22.56 | 22.42 |                     |          |
| 15              | 16QAM  | 36 | 0  | 21.69 | 21.69 | 21.49 | 23                  | 2        |
| 15              | 16QAM  | 36 | 20 | 21.53 | 21.72 | 21.50 |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.55 | 21.64 | 21.72 |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.62 | 21.62 | 21.57 | 23                  | 2        |
| 15              | 64QAM  | 1  | 0  | 22.02 | 22.23 | 22.00 |                     |          |
| 15              | 64QAM  | 1  | 37 | 22.22 | 22.33 | 22.10 |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.97 | 22.26 | 21.92 | 22                  | 3        |
| 15              | 64QAM  | 36 | 0  | 20.46 | 20.87 | 20.74 |                     |          |
| 15              | 64QAM  | 36 | 20 | 20.84 | 20.69 | 20.57 |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.56 | 20.78 | 20.63 | 20                  | 5        |
| 15              | 64QAM  | 75 | 0  | 20.59 | 20.61 | 20.76 |                     |          |
| 15              | 256QAM | 1  | 0  | 18.55 | 18.72 | 18.66 |                     |          |
| 15              | 256QAM | 1  | 37 | 18.50 | 18.67 | 18.46 | 20                  | 5        |
| 15              | 256QAM | 1  | 74 | 18.53 | 18.69 | 18.68 |                     |          |
| 15              | 256QAM | 36 | 0  | 18.51 | 18.71 | 18.46 |                     |          |
| 15              | 256QAM | 36 | 20 | 18.61 | 18.65 | 18.56 | 20                  | 5        |
| 15              | 256QAM | 36 | 39 | 18.71 | 18.62 | 18.57 |                     |          |
| 15              | 256QAM | 75 | 0  | 18.52 | 18.70 | 18.64 |                     |          |
| Channel         |        |    |    | 26090 | 26340 | 26640 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1855  | 1880  | 1910  |                     |          |
| 10              | QPSK   | 1  | 0  | 23.73 | 23.78 | 23.60 | 25                  | 0        |
| 10              | QPSK   | 1  | 25 | 23.53 | 23.75 | 23.67 |                     |          |
| 10              | QPSK   | 1  | 49 | 23.52 | 23.79 | 23.56 |                     |          |
| 10              | QPSK   | 25 | 0  | 22.51 | 22.68 | 22.63 | 24                  | 1        |
| 10              | QPSK   | 25 | 12 | 22.47 | 22.73 | 22.70 |                     |          |
| 10              | QPSK   | 25 | 25 | 22.51 | 22.79 | 22.53 |                     |          |
| 10              | QPSK   | 50 | 0  | 22.54 | 22.65 | 22.42 | 24                  | 1        |
| 10              | 16QAM  | 1  | 0  | 22.44 | 22.60 | 22.54 |                     |          |
| 10              | 16QAM  | 1  | 25 | 22.27 | 22.50 | 22.32 |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.58 | 22.51 | 22.47 | 23                  | 2        |
| 10              | 16QAM  | 25 | 0  | 21.68 | 21.51 | 21.51 |                     |          |
| 10              | 16QAM  | 25 | 12 | 21.45 | 21.67 | 21.62 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.58 | 21.68 | 21.70 | 22                  | 3        |
| 10              | 16QAM  | 50 | 0  | 21.53 | 21.71 | 21.56 |                     |          |
| 10              | 64QAM  | 1  | 0  | 22.01 | 22.21 | 22.01 |                     |          |
| 10              | 64QAM  | 1  | 25 | 22.09 | 22.13 | 22.14 | 23                  | 2        |
| 10              | 64QAM  | 1  | 49 | 22.09 | 22.22 | 21.92 |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.57 | 20.77 | 20.81 |                     |          |
| 10              | 64QAM  | 25 | 12 | 20.77 | 20.87 | 20.53 | 22                  | 3        |
| 10              | 64QAM  | 25 | 25 | 20.71 | 20.65 | 20.45 |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.58 | 20.61 | 20.78 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.61 | 18.59 | 18.45 | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.54 | 18.84 | 18.55 |                     |          |
| 10              | 256QAM | 1  | 49 | 18.54 | 18.57 | 18.49 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.57 | 18.82 | 18.53 | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.44 | 18.73 | 18.71 |                     |          |



|                 |        |    |    |        |       |        |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 10              | 256QAM | 25 | 25 | 18.59  | 18.61 | 18.62  |                     |          |
| 10              | 256QAM | 50 | 0  | 18.53  | 18.66 | 18.51  |                     |          |
| Channel         |        |    |    | 26065  | 26340 | 26665  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1912.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 23.58  | 23.68 | 23.70  | 25                  | 0        |
| 5               | QPSK   | 1  | 12 | 23.61  | 23.73 | 23.62  |                     |          |
| 5               | QPSK   | 1  | 24 | 23.60  | 23.81 | 23.44  |                     |          |
| 5               | QPSK   | 12 | 0  | 22.64  | 22.72 | 22.71  | 24                  | 1        |
| 5               | QPSK   | 12 | 7  | 22.52  | 22.80 | 22.80  |                     |          |
| 5               | QPSK   | 12 | 13 | 22.45  | 22.76 | 22.65  |                     |          |
| 5               | QPSK   | 25 | 0  | 22.56  | 22.57 | 22.54  | 24                  | 1        |
| 5               | 16QAM  | 1  | 0  | 22.50  | 22.67 | 22.48  |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.48  | 22.46 | 22.30  |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.53  | 22.46 | 22.37  | 23                  | 2        |
| 5               | 16QAM  | 12 | 0  | 21.62  | 21.66 | 21.42  |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.66  | 21.82 | 21.60  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.57  | 21.62 | 21.68  | 23                  | 2        |
| 5               | 16QAM  | 25 | 0  | 21.75  | 21.85 | 21.54  |                     |          |
| 5               | 64QAM  | 1  | 0  | 22.05  | 22.12 | 22.16  |                     |          |
| 5               | 64QAM  | 1  | 12 | 22.07  | 22.29 | 22.08  | 23                  | 2        |
| 5               | 64QAM  | 1  | 24 | 22.04  | 22.08 | 21.86  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.55  | 20.76 | 20.75  |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.75  | 20.68 | 20.54  | 22                  | 3        |
| 5               | 64QAM  | 12 | 13 | 20.75  | 20.64 | 20.52  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.57  | 20.69 | 20.71  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.55  | 18.62 | 18.53  | 20                  | 5        |
| 5               | 256QAM | 1  | 12 | 18.59  | 18.85 | 18.51  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.62  | 18.57 | 18.55  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.48  | 18.67 | 18.57  | 20                  | 5        |
| 5               | 256QAM | 12 | 7  | 18.49  | 18.74 | 18.65  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.63  | 18.66 | 18.68  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.73  | 18.78 | 18.61  |                     |          |
| Channel         |        |    |    | 26055  | 26340 | 26675  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1913.5 |                     |          |
| 3               | QPSK   | 1  | 0  | 23.73  | 23.80 | 23.64  | 25                  | 0        |
| 3               | QPSK   | 1  | 8  | 23.57  | 23.56 | 23.68  |                     |          |
| 3               | QPSK   | 1  | 14 | 23.54  | 23.78 | 23.63  |                     |          |
| 3               | QPSK   | 8  | 0  | 22.41  | 22.82 | 22.72  | 24                  | 1        |
| 3               | QPSK   | 8  | 4  | 22.45  | 22.76 | 22.82  |                     |          |
| 3               | QPSK   | 8  | 7  | 22.40  | 22.59 | 22.63  |                     |          |
| 3               | QPSK   | 15 | 0  | 22.61  | 22.67 | 22.53  | 24                  | 1        |
| 3               | 16QAM  | 1  | 0  | 22.60  | 22.61 | 22.62  |                     |          |
| 3               | 16QAM  | 1  | 8  | 22.39  | 22.56 | 22.28  |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.42  | 22.43 | 22.44  | 23                  | 2        |
| 3               | 16QAM  | 8  | 0  | 21.69  | 21.54 | 21.38  |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.56  | 21.72 | 21.48  |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.43  | 21.69 | 21.64  |                     |          |



|                 |        |    |    |        |       |        |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 3               | 16QAM  | 15 | 0  | 21.63  | 21.80 | 21.55  |                     |          |
| 3               | 64QAM  | 1  | 0  | 22.09  | 22.25 | 22.02  | 23                  | 2        |
| 3               | 64QAM  | 1  | 8  | 22.09  | 22.19 | 22.26  |                     |          |
| 3               | 64QAM  | 1  | 14 | 22.01  | 22.05 | 21.94  |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.51  | 20.86 | 20.82  | 22                  | 3        |
| 3               | 64QAM  | 8  | 4  | 20.76  | 20.82 | 20.54  |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.67  | 20.59 | 20.59  |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.67  | 20.80 | 20.59  |                     |          |
| 3               | 256QAM | 1  | 0  | 18.60  | 18.62 | 18.51  | 20                  | 5        |
| 3               | 256QAM | 1  | 8  | 18.56  | 18.63 | 18.60  |                     |          |
| 3               | 256QAM | 1  | 14 | 18.56  | 18.57 | 18.55  |                     |          |
| 3               | 256QAM | 8  | 0  | 18.56  | 18.75 | 18.59  | 20                  | 5        |
| 3               | 256QAM | 8  | 4  | 18.53  | 18.77 | 18.71  |                     |          |
| 3               | 256QAM | 8  | 7  | 18.73  | 18.63 | 18.57  |                     |          |
| 3               | 256QAM | 15 | 0  | 18.63  | 18.72 | 18.63  |                     |          |
| Channel         |        |    |    | 26047  | 26340 | 26683  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1914.3 |                     |          |
| 1.4             | QPSK   | 1  | 0  | 23.71  | 23.81 | 23.66  | 25                  | 0        |
| 1.4             | QPSK   | 1  | 3  | 23.55  | 23.58 | 23.47  |                     |          |
| 1.4             | QPSK   | 1  | 5  | 23.60  | 23.76 | 23.50  |                     |          |
| 1.4             | QPSK   | 3  | 0  | 23.61  | 23.73 | 23.54  |                     |          |
| 1.4             | QPSK   | 3  | 1  | 23.61  | 23.61 | 23.57  |                     |          |
| 1.4             | QPSK   | 3  | 3  | 23.41  | 23.70 | 23.57  | 24                  | 1        |
| 1.4             | QPSK   | 6  | 0  | 22.61  | 22.69 | 22.60  |                     |          |
| 1.4             | 16QAM  | 1  | 0  | 22.59  | 22.61 | 22.79  | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 3  | 22.51  | 22.63 | 22.65  |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 22.64  | 22.67 | 22.49  |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 22.62  | 22.51 | 22.56  |                     |          |
| 1.4             | 16QAM  | 3  | 1  | 22.48  | 22.51 | 22.36  |                     |          |
| 1.4             | 16QAM  | 3  | 3  | 22.54  | 22.64 | 22.50  |                     |          |
| 1.4             | 16QAM  | 6  | 0  | 21.50  | 21.67 | 21.43  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 0  | 21.57  | 21.80 | 21.59  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 3  | 21.51  | 21.70 | 21.51  |                     |          |
| 1.4             | 64QAM  | 1  | 5  | 21.59  | 21.63 | 21.50  |                     |          |
| 1.4             | 64QAM  | 3  | 0  | 22.00  | 22.29 | 22.16  |                     |          |
| 1.4             | 64QAM  | 3  | 1  | 22.11  | 22.29 | 22.23  |                     |          |
| 1.4             | 64QAM  | 3  | 3  | 22.14  | 22.09 | 21.91  |                     |          |
| 1.4             | 64QAM  | 6  | 0  | 20.53  | 20.63 | 20.74  | 22                  | 3        |
| 1.4             | 256QAM | 1  | 0  | 18.54  | 18.62 | 18.50  | 20                  | 5        |
| 1.4             | 256QAM | 1  | 3  | 18.49  | 18.77 | 18.55  |                     |          |
| 1.4             | 256QAM | 1  | 5  | 18.56  | 18.65 | 18.58  |                     |          |
| 1.4             | 256QAM | 3  | 0  | 18.57  | 18.75 | 18.68  |                     |          |
| 1.4             | 256QAM | 3  | 1  | 18.42  | 18.81 | 18.59  |                     |          |
| 1.4             | 256QAM | 3  | 3  | 18.66  | 18.68 | 18.60  |                     |          |
| 1.4             | 256QAM | 6  | 0  | 18.60  | 18.78 | 18.47  | 20                  | 5        |



| Band 66 Ant1 Default ENDC |            |         |           |                       |                          |                        |                     |          |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]                  | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel                   |            |         |           | 132072                | 132322                   | 132572                 |                     |          |
| Frequency (MHz)           |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |
| 20                        | QPSK       | 1       | 0         | 23.40                 | 23.48                    | 23.37                  |                     |          |
| 20                        | QPSK       | 1       | 49        | 23.44                 | 23.40                    | 23.21                  | 24.5                | 0        |
| 20                        | QPSK       | 1       | 99        | 23.26                 | 23.33                    | 23.15                  | 24                  | 0.5      |
| 20                        | QPSK       | 50      | 0         | 22.34                 | 22.52                    | 22.46                  |                     |          |
| 20                        | QPSK       | 50      | 24        | 22.33                 | 22.34                    | 22.31                  |                     |          |
| 20                        | QPSK       | 50      | 50        | 22.30                 | 22.35                    | 22.32                  | 24                  | 0.5      |
| 20                        | QPSK       | 100     | 0         | 22.17                 | 22.30                    | 22.29                  |                     |          |
| 20                        | 16QAM      | 1       | 0         | 22.14                 | 22.34                    | 22.22                  |                     |          |
| 20                        | 16QAM      | 1       | 49        | 22.04                 | 22.07                    | 22.00                  | 24                  | 0.5      |
| 20                        | 16QAM      | 1       | 99        | 22.13                 | 22.25                    | 22.13                  | 23                  | 1.5      |
| 20                        | 16QAM      | 50      | 0         | 21.19                 | 21.24                    | 21.13                  |                     |          |
| 20                        | 16QAM      | 50      | 24        | 21.21                 | 21.37                    | 21.26                  |                     |          |
| 20                        | 16QAM      | 50      | 50        | 21.20                 | 21.23                    | 21.40                  | 23                  | 1.5      |
| 20                        | 16QAM      | 100     | 0         | 21.24                 | 21.52                    | 21.15                  |                     |          |
| 20                        | 64QAM      | 1       | 0         | 21.69                 | 21.99                    | 21.74                  |                     |          |
| 20                        | 64QAM      | 1       | 49        | 21.86                 | 21.88                    | 21.96                  | 23                  | 1.5      |
| 20                        | 64QAM      | 1       | 99        | 21.83                 | 21.95                    | 21.66                  | 22                  | 2.5      |
| 20                        | 64QAM      | 50      | 0         | 20.22                 | 20.52                    | 20.34                  |                     |          |
| 20                        | 64QAM      | 50      | 24        | 20.57                 | 20.56                    | 20.38                  |                     |          |
| 20                        | 64QAM      | 50      | 50        | 20.31                 | 20.34                    | 20.26                  | 20                  | 4.5      |
| 20                        | 64QAM      | 100     | 0         | 20.24                 | 20.38                    | 20.42                  |                     |          |
| 20                        | 256QAM     | 1       | 0         | 18.23                 | 18.36                    | 18.21                  |                     |          |
| 20                        | 256QAM     | 1       | 49        | 18.23                 | 18.56                    | 18.26                  | 20                  | 4.5      |
| 20                        | 256QAM     | 1       | 99        | 18.20                 | 18.39                    | 18.36                  |                     |          |
| 20                        | 256QAM     | 50      | 0         | 18.35                 | 18.51                    | 18.21                  |                     |          |
| 20                        | 256QAM     | 50      | 24        | 18.13                 | 18.41                    | 18.28                  | 20                  | 4.5      |
| 20                        | 256QAM     | 50      | 50        | 18.42                 | 18.31                    | 18.23                  |                     |          |
| 20                        | 256QAM     | 100     | 0         | 18.26                 | 18.32                    | 18.16                  |                     |          |
| Channel                   |            |         |           | 132047                | 132322                   | 132597                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)           |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |
| 15                        | QPSK       | 1       | 0         | 23.20                 | 23.39                    | 23.18                  | 24.5                | 0        |
| 15                        | QPSK       | 1       | 37        | 23.29                 | 23.37                    | 23.04                  |                     |          |
| 15                        | QPSK       | 1       | 74        | 23.13                 | 23.34                    | 23.11                  |                     |          |
| 15                        | QPSK       | 36      | 0         | 22.17                 | 22.53                    | 22.36                  | 24                  | 0.5      |
| 15                        | QPSK       | 36      | 20        | 22.26                 | 22.15                    | 22.23                  |                     |          |
| 15                        | QPSK       | 36      | 39        | 22.09                 | 22.30                    | 22.26                  |                     |          |
| 15                        | QPSK       | 75      | 0         | 22.17                 | 22.17                    | 22.26                  | 24                  | 0.5      |
| 15                        | 16QAM      | 1       | 0         | 22.05                 | 22.16                    | 22.18                  |                     |          |
| 15                        | 16QAM      | 1       | 37        | 22.01                 | 22.09                    | 22.22                  |                     |          |





|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15              | 16QAM  | 1  | 74 | 22.06  | 22.08  | 22.14  |                     |          |
| 15              | 16QAM  | 36 | 0  | 21.07  | 21.18  | 21.04  | 23                  | 1.5      |
| 15              | 16QAM  | 36 | 20 | 21.05  | 21.24  | 21.09  |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.19  | 21.07  | 21.23  |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.25  | 21.31  | 21.05  | 23                  | 1.5      |
| 15              | 64QAM  | 1  | 0  | 21.51  | 21.96  | 21.55  |                     |          |
| 15              | 64QAM  | 1  | 37 | 21.66  | 21.66  | 21.90  |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.75  | 21.92  | 21.50  | 22                  | 2.5      |
| 15              | 64QAM  | 36 | 0  | 20.06  | 20.47  | 20.26  |                     |          |
| 15              | 64QAM  | 36 | 20 | 20.50  | 20.53  | 20.32  |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.17  | 20.14  | 20.08  |                     |          |
| 15              | 64QAM  | 75 | 0  | 20.07  | 20.26  | 20.36  | 20                  | 4.5      |
| 15              | 256QAM | 1  | 0  | 18.13  | 18.22  | 18.22  |                     |          |
| 15              | 256QAM | 1  | 37 | 18.14  | 18.39  | 18.13  |                     |          |
| 15              | 256QAM | 1  | 74 | 18.01  | 18.22  | 18.24  |                     |          |
| 15              | 256QAM | 36 | 0  | 18.17  | 18.49  | 18.11  | 20                  | 4.5      |
| 15              | 256QAM | 36 | 20 | 18.01  | 18.24  | 18.20  |                     |          |
| 15              | 256QAM | 36 | 39 | 18.23  | 18.22  | 18.17  |                     |          |
| 15              | 256QAM | 75 | 0  | 18.19  | 18.32  | 18.21  |                     |          |
| Channel         |        |    |    | 132022 | 132322 | 132622 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1715   | 1745   | 1775   |                     |          |
| 10              | QPSK   | 1  | 0  | 23.36  | 23.26  | 23.29  | 24.5                | 0        |
| 10              | QPSK   | 1  | 25 | 23.40  | 23.35  | 23.15  |                     |          |
| 10              | QPSK   | 1  | 49 | 23.21  | 23.32  | 23.11  |                     |          |
| 10              | QPSK   | 25 | 0  | 22.29  | 22.52  | 22.42  | 24                  | 0.5      |
| 10              | QPSK   | 25 | 12 | 22.20  | 22.32  | 22.15  |                     |          |
| 10              | QPSK   | 25 | 25 | 22.17  | 22.24  | 22.31  |                     |          |
| 10              | QPSK   | 50 | 0  | 22.00  | 22.17  | 22.19  | 24                  | 0.5      |
| 10              | 16QAM  | 1  | 0  | 22.02  | 22.36  | 22.01  |                     |          |
| 10              | 16QAM  | 1  | 25 | 22.11  | 22.15  | 22.13  |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.11  | 22.24  | 22.14  | 23                  | 1.5      |
| 10              | 16QAM  | 25 | 0  | 21.21  | 21.03  | 21.08  |                     |          |
| 10              | 16QAM  | 25 | 12 | 21.04  | 21.37  | 21.19  |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.14  | 21.12  | 21.29  | 23                  | 1.5      |
| 10              | 16QAM  | 50 | 0  | 21.18  | 21.52  | 21.10  |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.50  | 21.82  | 21.55  |                     |          |
| 10              | 64QAM  | 1  | 25 | 21.77  | 21.77  | 21.90  | 23                  | 1.5      |
| 10              | 64QAM  | 1  | 49 | 21.66  | 21.77  | 21.56  |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.08  | 20.33  | 20.28  |                     |          |
| 10              | 64QAM  | 25 | 12 | 20.48  | 20.52  | 20.33  | 22                  | 2.5      |
| 10              | 64QAM  | 25 | 25 | 20.28  | 20.34  | 20.20  |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.22  | 20.37  | 20.30  |                     |          |
| 10              | 256QAM | 1  | 0  | 18.21  | 18.20  | 18.04  | 20                  | 4.5      |
| 10              | 256QAM | 1  | 25 | 18.23  | 18.43  | 18.11  |                     |          |
| 10              | 256QAM | 1  | 49 | 18.13  | 18.34  | 18.34  |                     |          |
| 10              | 256QAM | 25 | 0  | 18.17  | 18.42  | 18.02  | 20                  | 4.5      |
| 10              | 256QAM | 25 | 12 | 18.09  | 18.31  | 18.07  |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 10              | 256QAM | 25 | 25 | 18.28  | 18.25  | 18.14  |                     |          |
| 10              | 256QAM | 50 | 0  | 18.09  | 18.11  | 18.05  |                     |          |
| Channel         |        |    |    | 131997 | 132322 | 132647 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1712.5 | 1745   | 1777.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 23.38  | 23.45  | 23.34  | 24.5                | 0        |
| 5               | QPSK   | 1  | 12 | 23.29  | 23.25  | 23.06  |                     |          |
| 5               | QPSK   | 1  | 24 | 23.25  | 23.17  | 23.04  |                     |          |
| 5               | QPSK   | 12 | 0  | 22.31  | 22.32  | 22.40  | 24                  | 0.5      |
| 5               | QPSK   | 12 | 7  | 22.23  | 22.20  | 22.28  |                     |          |
| 5               | QPSK   | 12 | 13 | 22.15  | 22.15  | 22.11  |                     |          |
| 5               | QPSK   | 25 | 0  | 22.06  | 22.25  | 22.12  | 24                  | 0.5      |
| 5               | 16QAM  | 1  | 0  | 22.13  | 22.32  | 22.19  |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.00  | 22.00  | 22.14  |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.02  | 22.07  | 22.02  | 23                  | 1.5      |
| 5               | 16QAM  | 12 | 0  | 21.21  | 21.23  | 21.06  |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.22  | 21.26  | 21.22  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.13  | 21.23  | 21.20  | 23                  | 1.5      |
| 5               | 16QAM  | 25 | 0  | 21.20  | 21.41  | 21.15  |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.63  | 21.96  | 21.66  |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.73  | 21.72  | 21.82  | 23                  | 1.5      |
| 5               | 64QAM  | 1  | 24 | 21.66  | 21.77  | 21.58  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.15  | 20.43  | 20.21  |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.56  | 20.56  | 20.35  | 22                  | 2.5      |
| 5               | 64QAM  | 12 | 13 | 20.27  | 20.33  | 20.08  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.17  | 20.23  | 20.22  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.19  | 18.24  | 18.06  | 20                  | 4.5      |
| 5               | 256QAM | 1  | 12 | 18.06  | 18.51  | 18.11  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.02  | 18.24  | 18.24  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.21  | 18.40  | 18.17  | 20                  | 4.5      |
| 5               | 256QAM | 12 | 7  | 18.03  | 18.31  | 18.11  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.28  | 18.28  | 18.07  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.24  | 18.34  | 18.10  |                     |          |
| Channel         |        |    |    | 131987 | 132322 | 132657 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1711.5 | 1745   | 1778.5 |                     |          |
| 3               | QPSK   | 1  | 0  | 23.31  | 23.31  | 23.37  | 24.5                | 0        |
| 3               | QPSK   | 1  | 8  | 23.41  | 23.40  | 23.03  |                     |          |
| 3               | QPSK   | 1  | 14 | 23.26  | 23.27  | 23.07  |                     |          |
| 3               | QPSK   | 8  | 0  | 22.21  | 22.51  | 22.42  | 24                  | 0.5      |
| 3               | QPSK   | 8  | 4  | 22.12  | 22.34  | 22.20  |                     |          |
| 3               | QPSK   | 8  | 7  | 22.24  | 22.19  | 22.11  |                     |          |
| 3               | QPSK   | 15 | 0  | 22.18  | 22.15  | 22.14  | 24                  | 0.5      |
| 3               | 16QAM  | 1  | 0  | 22.11  | 22.23  | 22.05  |                     |          |
| 3               | 16QAM  | 1  | 8  | 22.01  | 22.04  | 22.01  |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.08  | 22.11  | 22.04  | 23                  | 1.5      |
| 3               | 16QAM  | 8  | 0  | 21.15  | 21.04  | 21.10  |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.13  | 21.27  | 21.10  |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.12  | 21.13  | 21.42  |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 3               | 16QAM  | 15 | 0  | 21.05  | 21.35  | 21.08  |                     |          |
| 3               | 64QAM  | 1  | 0  | 21.64  | 21.89  | 21.72  | 23                  | 1.5      |
| 3               | 64QAM  | 1  | 8  | 21.84  | 21.80  | 21.91  |                     |          |
| 3               | 64QAM  | 1  | 14 | 21.68  | 21.75  | 21.61  |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.16  | 20.33  | 20.14  | 22                  | 2.5      |
| 3               | 64QAM  | 8  | 4  | 20.53  | 20.38  | 20.21  |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.23  | 20.18  | 20.22  |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.10  | 20.23  | 20.43  |                     |          |
| 3               | 256QAM | 1  | 0  | 18.11  | 18.21  | 18.03  | 20                  | 4.5      |
| 3               | 256QAM | 1  | 8  | 18.02  | 18.44  | 18.09  |                     |          |
| 3               | 256QAM | 1  | 14 | 18.09  | 18.25  | 18.23  |                     |          |
| 3               | 256QAM | 8  | 0  | 18.15  | 18.37  | 18.02  | 20                  | 4.5      |
| 3               | 256QAM | 8  | 4  | 18.13  | 18.42  | 18.26  |                     |          |
| 3               | 256QAM | 8  | 7  | 18.24  | 18.14  | 18.05  |                     |          |
| 3               | 256QAM | 15 | 0  | 18.21  | 18.32  | 18.05  |                     |          |
| Channel         |        |    |    | 131979 | 132322 | 132665 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1710.7 | 1745   | 1779.3 |                     |          |
| 1.4             | QPSK   | 1  | 0  | 23.26  | 23.35  | 23.25  | 24.5                | 0        |
| 1.4             | QPSK   | 1  | 3  | 23.25  | 23.27  | 23.20  |                     |          |
| 1.4             | QPSK   | 1  | 5  | 23.07  | 23.35  | 23.11  |                     |          |
| 1.4             | QPSK   | 3  | 0  | 23.34  | 23.32  | 23.28  |                     |          |
| 1.4             | QPSK   | 3  | 1  | 23.34  | 23.32  | 23.03  |                     |          |
| 1.4             | QPSK   | 3  | 3  | 23.26  | 23.17  | 23.14  | 24                  | 0.5      |
| 1.4             | QPSK   | 6  | 0  | 22.22  | 22.33  | 22.43  |                     |          |
| 1.4             | 16QAM  | 1  | 0  | 22.22  | 22.20  | 22.14  |                     |          |
| 1.4             | 16QAM  | 1  | 3  | 22.28  | 22.30  | 22.27  |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 22.03  | 22.12  | 22.15  |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 22.01  | 22.28  | 22.05  |                     |          |
| 1.4             | 16QAM  | 3  | 1  | 22.06  | 22.24  | 22.09  |                     |          |
| 1.4             | 16QAM  | 3  | 3  | 22.01  | 22.05  | 22.09  |                     |          |
| 1.4             | 16QAM  | 6  | 0  | 21.11  | 21.04  | 21.06  | 23                  | 1.5      |
| 1.4             | 64QAM  | 1  | 0  | 21.17  | 21.23  | 21.05  | 23                  | 1.5      |
| 1.4             | 64QAM  | 1  | 3  | 21.01  | 21.20  | 21.37  |                     |          |
| 1.4             | 64QAM  | 1  | 5  | 21.16  | 21.35  | 21.09  |                     |          |
| 1.4             | 64QAM  | 3  | 0  | 21.71  | 21.95  | 21.75  |                     |          |
| 1.4             | 64QAM  | 3  | 1  | 21.78  | 21.86  | 21.92  |                     |          |
| 1.4             | 64QAM  | 3  | 3  | 21.79  | 21.79  | 21.62  |                     |          |
| 1.4             | 64QAM  | 6  | 0  | 20.47  | 20.46  | 20.40  | 22                  | 2.5      |
| 1.4             | 256QAM | 1  | 0  | 18.10  | 18.36  | 18.00  | 20                  | 4.5      |
| 1.4             | 256QAM | 1  | 3  | 18.03  | 18.41  | 18.26  |                     |          |
| 1.4             | 256QAM | 1  | 5  | 18.02  | 18.18  | 18.24  |                     |          |
| 1.4             | 256QAM | 3  | 0  | 18.32  | 18.36  | 18.16  |                     |          |
| 1.4             | 256QAM | 3  | 1  | 18.15  | 18.26  | 18.10  |                     |          |
| 1.4             | 256QAM | 3  | 3  | 18.30  | 18.26  | 18.17  |                     |          |
| 1.4             | 256QAM | 6  | 0  | 18.21  | 18.29  | 18.16  | 20                  | 4.5      |



| Band 2 Ant2 Default |            |         |           |                       |                          |                        |                     |          |
|---------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel             |            |         |           | 18700                 | 18900                    | 19100                  |                     |          |
| Frequency (MHz)     |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |
| 20                  | QPSK       | 1       | 0         | 23.41                 | 23.46                    | 23.44                  | 25                  | 0        |
| 20                  | QPSK       | 1       | 49        | 23.26                 | 23.41                    | 23.34                  |                     |          |
| 20                  | QPSK       | 1       | 99        | 23.24                 | 23.38                    | 23.35                  |                     |          |
| 20                  | QPSK       | 50      | 0         | 22.34                 | 22.49                    | 22.40                  | 24                  | 1        |
| 20                  | QPSK       | 50      | 24        | 22.38                 | 22.42                    | 22.33                  |                     |          |
| 20                  | QPSK       | 50      | 50        | 22.38                 | 22.45                    | 22.33                  |                     |          |
| 20                  | QPSK       | 100     | 0         | 22.33                 | 22.43                    | 22.40                  | 24                  | 1        |
| 20                  | 16QAM      | 1       | 0         | 22.51                 | 22.59                    | 22.50                  |                     |          |
| 20                  | 16QAM      | 1       | 49        | 22.41                 | 22.49                    | 22.37                  |                     |          |
| 20                  | 16QAM      | 1       | 99        | 22.43                 | 22.56                    | 22.41                  | 24                  | 1        |
| 20                  | 16QAM      | 50      | 0         | 21.41                 | 21.54                    | 21.41                  |                     |          |
| 20                  | 16QAM      | 50      | 24        | 21.43                 | 21.45                    | 21.28                  |                     |          |
| 20                  | 16QAM      | 50      | 50        | 21.40                 | 21.52                    | 21.47                  | 23                  | 2        |
| 20                  | 16QAM      | 100     | 0         | 21.47                 | 21.53                    | 21.40                  |                     |          |
| 20                  | 64QAM      | 1       | 0         | 21.35                 | 21.49                    | 21.36                  |                     |          |
| 20                  | 64QAM      | 1       | 49        | 21.26                 | 21.34                    | 21.24                  | 23                  | 2        |
| 20                  | 64QAM      | 1       | 99        | 21.26                 | 21.36                    | 21.33                  |                     |          |
| 20                  | 64QAM      | 50      | 0         | 20.44                 | 20.50                    | 20.41                  |                     |          |
| 20                  | 64QAM      | 50      | 24        | 20.31                 | 20.35                    | 20.23                  | 22                  | 3        |
| 20                  | 64QAM      | 50      | 50        | 20.27                 | 20.42                    | 20.26                  |                     |          |
| 20                  | 64QAM      | 100     | 0         | 20.33                 | 20.47                    | 20.30                  |                     |          |
| 20                  | 256QAM     | 1       | 0         | 18.27                 | 18.45                    | 18.42                  | 20                  | 5        |
| 20                  | 256QAM     | 1       | 49        | 18.35                 | 18.41                    | 18.38                  |                     |          |
| 20                  | 256QAM     | 1       | 99        | 18.27                 | 18.33                    | 18.17                  |                     |          |
| 20                  | 256QAM     | 50      | 0         | 18.37                 | 18.59                    | 18.44                  | 20                  | 5        |
| 20                  | 256QAM     | 50      | 24        | 18.42                 | 18.45                    | 18.40                  |                     |          |
| 20                  | 256QAM     | 50      | 50        | 18.49                 | 18.49                    | 18.35                  |                     |          |
| 20                  | 256QAM     | 100     | 0         | 18.37                 | 18.43                    | 18.38                  | 20                  | 5        |
| Channel             |            |         |           | 18675                 | 18900                    | 19125                  |                     |          |
| Frequency (MHz)     |            |         |           | 1857.5                | 1880                     | 1902.5                 |                     |          |
| 15                  | QPSK       | 1       | 0         | 23.34                 | 23.35                    | 23.29                  | 25                  | 0        |
| 15                  | QPSK       | 1       | 37        | 23.15                 | 23.35                    | 23.27                  |                     |          |
| 15                  | QPSK       | 1       | 74        | 23.20                 | 23.26                    | 23.24                  |                     |          |
| 15                  | QPSK       | 36      | 0         | 22.30                 | 22.42                    | 22.28                  | 24                  | 1        |
| 15                  | QPSK       | 36      | 20        | 22.32                 | 22.26                    | 22.30                  |                     |          |
| 15                  | QPSK       | 36      | 39        | 22.24                 | 22.40                    | 22.28                  |                     |          |
| 15                  | QPSK       | 75      | 0         | 22.29                 | 22.40                    | 22.23                  | 24                  | 1        |
| 15                  | 16QAM      | 1       | 0         | 22.35                 | 22.54                    | 22.42                  |                     |          |
| 15                  | 16QAM      | 1       | 37        | 22.25                 | 22.43                    | 22.22                  |                     |          |



|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 15              | 16QAM  | 1  | 74 | 22.35 | 22.40 | 22.32 |                     |          |
| 15              | 16QAM  | 36 | 0  | 21.29 | 21.40 | 21.32 | 23                  | 2        |
| 15              | 16QAM  | 36 | 20 | 21.28 | 21.29 | 21.20 |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.36 | 21.44 | 21.41 |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.39 | 21.42 | 21.34 | 23                  | 2        |
| 15              | 64QAM  | 1  | 0  | 21.24 | 21.36 | 21.33 |                     |          |
| 15              | 64QAM  | 1  | 37 | 21.23 | 21.24 | 21.22 |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.15 | 21.23 | 21.19 | 22                  | 3        |
| 15              | 64QAM  | 36 | 0  | 20.30 | 20.33 | 20.33 |                     |          |
| 15              | 64QAM  | 36 | 20 | 20.28 | 20.23 | 20.11 |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.17 | 20.28 | 20.16 | 20                  | 5        |
| 15              | 64QAM  | 75 | 0  | 20.29 | 20.41 | 20.20 |                     |          |
| 15              | 256QAM | 1  | 0  | 18.33 | 18.40 | 18.36 |                     |          |
| 15              | 256QAM | 1  | 37 | 18.23 | 18.28 | 18.29 | 20                  | 5        |
| 15              | 256QAM | 1  | 74 | 18.35 | 18.31 | 18.18 |                     |          |
| 15              | 256QAM | 36 | 0  | 18.48 | 18.56 | 18.43 |                     |          |
| 15              | 256QAM | 36 | 20 | 18.32 | 18.39 | 18.43 | 20                  | 5        |
| 15              | 256QAM | 36 | 39 | 18.42 | 18.56 | 18.41 |                     |          |
| 15              | 256QAM | 75 | 0  | 18.45 | 18.40 | 18.37 |                     |          |
| Channel         |        |    |    | 18650 | 18900 | 19150 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1855  | 1880  | 1905  |                     |          |
| 10              | QPSK   | 1  | 0  | 23.31 | 23.33 | 23.33 | 25                  | 0        |
| 10              | QPSK   | 1  | 25 | 23.14 | 23.37 | 23.29 |                     |          |
| 10              | QPSK   | 1  | 49 | 23.08 | 23.35 | 23.28 |                     |          |
| 10              | QPSK   | 25 | 0  | 22.26 | 22.45 | 22.37 | 24                  | 1        |
| 10              | QPSK   | 25 | 12 | 22.22 | 22.39 | 22.21 |                     |          |
| 10              | QPSK   | 25 | 25 | 22.24 | 22.37 | 22.18 |                     |          |
| 10              | QPSK   | 50 | 0  | 22.22 | 22.34 | 22.24 | 24                  | 1        |
| 10              | 16QAM  | 1  | 0  | 22.37 | 22.53 | 22.44 |                     |          |
| 10              | 16QAM  | 1  | 25 | 22.25 | 22.42 | 22.30 |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.38 | 22.42 | 22.36 | 23                  | 2        |
| 10              | 16QAM  | 25 | 0  | 21.28 | 21.39 | 21.30 |                     |          |
| 10              | 16QAM  | 25 | 12 | 21.26 | 21.36 | 21.25 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.31 | 21.43 | 21.37 | 23                  | 2        |
| 10              | 16QAM  | 50 | 0  | 21.36 | 21.49 | 21.28 |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.32 | 21.43 | 21.26 |                     |          |
| 10              | 64QAM  | 1  | 25 | 21.23 | 21.32 | 21.22 | 23                  | 2        |
| 10              | 64QAM  | 1  | 49 | 21.17 | 21.23 | 21.22 |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.39 | 20.41 | 20.34 |                     |          |
| 10              | 64QAM  | 25 | 12 | 20.21 | 20.20 | 20.11 | 22                  | 3        |
| 10              | 64QAM  | 25 | 25 | 20.11 | 20.30 | 20.17 |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.30 | 20.39 | 20.15 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.22 | 18.43 | 18.43 | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.29 | 18.31 | 18.30 |                     |          |
| 10              | 256QAM | 1  | 49 | 18.28 | 18.42 | 18.29 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.38 | 18.53 | 18.49 | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.45 | 18.36 | 18.43 |                     |          |



|                 |        |    |    |        |       |        |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 10              | 256QAM | 25 | 25 | 18.43  | 18.52 | 18.29  |                     |          |
| 10              | 256QAM | 50 | 0  | 18.40  | 18.40 | 18.33  |                     |          |
| Channel         |        |    |    | 18625  | 18900 | 19175  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1907.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 23.33  | 23.37 | 23.30  | 25                  | 0        |
| 5               | QPSK   | 1  | 12 | 23.23  | 23.34 | 23.24  |                     |          |
| 5               | QPSK   | 1  | 24 | 23.09  | 23.33 | 23.32  |                     |          |
| 5               | QPSK   | 12 | 0  | 22.29  | 22.43 | 22.23  | 24                  | 1        |
| 5               | QPSK   | 12 | 7  | 22.28  | 22.34 | 22.29  |                     |          |
| 5               | QPSK   | 12 | 13 | 22.36  | 22.33 | 22.28  |                     |          |
| 5               | QPSK   | 25 | 0  | 22.31  | 22.28 | 22.32  | 24                  | 1        |
| 5               | 16QAM  | 1  | 0  | 22.49  | 22.56 | 22.37  |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.36  | 22.40 | 22.32  |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.34  | 22.46 | 22.27  | 23                  | 2        |
| 5               | 16QAM  | 12 | 0  | 21.35  | 21.52 | 21.26  |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.33  | 21.29 | 21.13  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.26  | 21.39 | 21.35  | 23                  | 2        |
| 5               | 16QAM  | 25 | 0  | 21.38  | 21.41 | 21.35  |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.24  | 21.43 | 21.32  |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.16  | 21.29 | 21.17  | 23                  | 2        |
| 5               | 64QAM  | 1  | 24 | 21.09  | 21.28 | 21.25  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.41  | 20.33 | 20.37  |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.25  | 20.26 | 20.16  | 22                  | 3        |
| 5               | 64QAM  | 12 | 13 | 20.21  | 20.36 | 20.21  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.18  | 20.38 | 20.27  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.22  | 18.39 | 18.38  | 20                  | 5        |
| 5               | 256QAM | 1  | 12 | 18.32  | 18.34 | 18.24  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.35  | 18.37 | 18.21  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.43  | 18.50 | 18.46  | 20                  | 5        |
| 5               | 256QAM | 12 | 7  | 18.32  | 18.37 | 18.36  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.36  | 18.49 | 18.32  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.37  | 18.48 | 18.40  |                     |          |
| Channel         |        |    |    | 18615  | 18900 | 19185  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1908.5 |                     |          |
| 3               | QPSK   | 1  | 0  | 23.34  | 23.42 | 23.36  | 25                  | 0        |
| 3               | QPSK   | 1  | 8  | 23.24  | 23.37 | 23.28  |                     |          |
| 3               | QPSK   | 1  | 14 | 23.13  | 23.32 | 23.26  |                     |          |
| 3               | QPSK   | 8  | 0  | 22.30  | 22.42 | 22.30  | 24                  | 1        |
| 3               | QPSK   | 8  | 4  | 22.27  | 22.40 | 22.20  |                     |          |
| 3               | QPSK   | 8  | 7  | 22.33  | 22.41 | 22.28  |                     |          |
| 3               | QPSK   | 15 | 0  | 22.24  | 22.26 | 22.25  | 24                  | 1        |
| 3               | 16QAM  | 1  | 0  | 22.41  | 22.56 | 22.45  |                     |          |
| 3               | 16QAM  | 1  | 8  | 22.24  | 22.47 | 22.29  |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.31  | 22.48 | 22.27  | 23                  | 2        |
| 3               | 16QAM  | 8  | 0  | 21.28  | 21.46 | 21.36  |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.32  | 21.40 | 21.11  |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.33  | 21.39 | 21.38  |                     |          |



|                 |        |    |    |        |       |        |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| 3               | 16QAM  | 15 | 0  | 21.36  | 21.48 | 21.35  |                     |          |
| 3               | 64QAM  | 1  | 0  | 21.22  | 21.46 | 21.22  | 23                  | 2        |
| 3               | 64QAM  | 1  | 8  | 21.19  | 21.24 | 21.09  |                     |          |
| 3               | 64QAM  | 1  | 14 | 21.18  | 21.33 | 21.29  |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.36  | 20.43 | 20.31  | 22                  | 3        |
| 3               | 64QAM  | 8  | 4  | 20.28  | 20.26 | 20.15  |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.11  | 20.37 | 20.11  |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.24  | 20.43 | 20.22  |                     |          |
| 3               | 256QAM | 1  | 0  | 18.32  | 18.43 | 18.33  | 20                  | 5        |
| 3               | 256QAM | 1  | 8  | 18.29  | 18.33 | 18.25  |                     |          |
| 3               | 256QAM | 1  | 14 | 18.28  | 18.34 | 18.28  |                     |          |
| 3               | 256QAM | 8  | 0  | 18.36  | 18.56 | 18.37  | 20                  | 5        |
| 3               | 256QAM | 8  | 4  | 18.42  | 18.49 | 18.40  |                     |          |
| 3               | 256QAM | 8  | 7  | 18.37  | 18.43 | 18.40  |                     |          |
| 3               | 256QAM | 15 | 0  | 18.36  | 18.40 | 18.37  |                     |          |
| Channel         |        |    |    | 18607  | 18900 | 19193  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1909.3 |                     |          |
| 1.4             | QPSK   | 1  | 0  | 23.24  | 23.30 | 23.28  | 25                  | 0        |
| 1.4             | QPSK   | 1  | 3  | 23.22  | 23.29 | 23.22  |                     |          |
| 1.4             | QPSK   | 1  | 5  | 23.09  | 23.31 | 23.20  |                     |          |
| 1.4             | QPSK   | 3  | 0  | 23.28  | 23.40 | 23.33  |                     |          |
| 1.4             | QPSK   | 3  | 1  | 23.24  | 23.31 | 23.17  |                     |          |
| 1.4             | QPSK   | 3  | 3  | 23.25  | 23.43 | 23.17  | 24                  | 1        |
| 1.4             | QPSK   | 6  | 0  | 22.30  | 22.38 | 22.36  |                     |          |
| 1.4             | 16QAM  | 1  | 0  | 22.45  | 22.50 | 22.40  | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 3  | 22.37  | 22.42 | 22.25  |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 22.28  | 22.42 | 22.29  |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 22.33  | 22.44 | 22.32  |                     |          |
| 1.4             | 16QAM  | 3  | 1  | 22.37  | 22.34 | 22.13  |                     |          |
| 1.4             | 16QAM  | 3  | 3  | 22.24  | 22.48 | 22.34  |                     |          |
| 1.4             | 16QAM  | 6  | 0  | 21.41  | 21.51 | 21.26  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 0  | 21.21  | 21.44 | 21.24  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 3  | 21.19  | 21.27 | 21.19  |                     |          |
| 1.4             | 64QAM  | 1  | 5  | 21.19  | 21.29 | 21.20  |                     |          |
| 1.4             | 64QAM  | 3  | 0  | 21.40  | 21.38 | 21.37  |                     |          |
| 1.4             | 64QAM  | 3  | 1  | 21.20  | 21.30 | 21.14  |                     |          |
| 1.4             | 64QAM  | 3  | 3  | 21.15  | 21.28 | 21.23  |                     |          |
| 1.4             | 64QAM  | 6  | 0  | 20.18  | 20.44 | 20.26  | 22                  | 3        |
| 1.4             | 256QAM | 1  | 0  | 18.29  | 18.46 | 18.39  | 20                  | 5        |
| 1.4             | 256QAM | 1  | 3  | 18.29  | 18.32 | 18.36  |                     |          |
| 1.4             | 256QAM | 1  | 5  | 18.42  | 18.40 | 18.32  |                     |          |
| 1.4             | 256QAM | 3  | 0  | 18.38  | 18.49 | 18.40  |                     |          |
| 1.4             | 256QAM | 3  | 1  | 18.39  | 18.48 | 18.44  |                     |          |
| 1.4             | 256QAM | 3  | 3  | 18.37  | 18.57 | 18.33  |                     |          |
| 1.4             | 256QAM | 6  | 0  | 18.38  | 18.40 | 18.38  | 20                  | 5        |



| Band 4 Ant2 Default |            |         |           |                       |                          |                        |                     |          |
|---------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel             |            |         |           | 20050                 | 20175                    | 20300                  |                     |          |
| Frequency (MHz)     |            |         |           | 1720                  | 1732.5                   | 1745                   |                     |          |
| 20                  | QPSK       | 1       | 0         | 23.34                 | 23.52                    | 23.36                  | 25                  | 0        |
| 20                  | QPSK       | 1       | 49        | 23.26                 | 23.37                    | 23.33                  |                     |          |
| 20                  | QPSK       | 1       | 99        | 23.41                 | 23.48                    | 23.36                  |                     |          |
| 20                  | QPSK       | 50      | 0         | 22.43                 | 22.49                    | 22.36                  | 24                  | 1        |
| 20                  | QPSK       | 50      | 24        | 22.33                 | 22.43                    | 22.32                  |                     |          |
| 20                  | QPSK       | 50      | 50        | 22.37                 | 22.46                    | 22.32                  |                     |          |
| 20                  | QPSK       | 100     | 0         | 22.37                 | 22.40                    | 22.32                  | 24                  | 1        |
| 20                  | 16QAM      | 1       | 0         | 22.64                 | 22.67                    | 22.61                  |                     |          |
| 20                  | 16QAM      | 1       | 49        | 22.43                 | 22.57                    | 22.41                  |                     |          |
| 20                  | 16QAM      | 1       | 99        | 22.54                 | 22.64                    | 22.57                  | 23                  | 2        |
| 20                  | 16QAM      | 50      | 0         | 21.41                 | 21.47                    | 21.41                  |                     |          |
| 20                  | 16QAM      | 50      | 24        | 21.30                 | 21.44                    | 21.30                  |                     |          |
| 20                  | 16QAM      | 50      | 50        | 21.32                 | 21.44                    | 21.30                  | 23                  | 2        |
| 20                  | 16QAM      | 100     | 0         | 21.29                 | 21.46                    | 21.33                  |                     |          |
| 20                  | 64QAM      | 1       | 0         | 21.49                 | 21.63                    | 21.53                  |                     |          |
| 20                  | 64QAM      | 1       | 49        | 21.51                 | 21.60                    | 21.47                  | 22                  | 3        |
| 20                  | 64QAM      | 1       | 99        | 21.44                 | 21.60                    | 21.56                  |                     |          |
| 20                  | 64QAM      | 50      | 0         | 20.23                 | 20.39                    | 20.24                  |                     |          |
| 20                  | 64QAM      | 50      | 24        | 20.31                 | 20.36                    | 20.23                  | 20                  | 5        |
| 20                  | 64QAM      | 50      | 50        | 20.18                 | 20.32                    | 20.21                  |                     |          |
| 20                  | 64QAM      | 100     | 0         | 20.32                 | 20.42                    | 20.31                  |                     |          |
| 20                  | 256QAM     | 1       | 0         | 18.32                 | 18.50                    | 18.39                  | 20                  | 5        |
| 20                  | 256QAM     | 1       | 49        | 18.33                 | 18.38                    | 18.38                  |                     |          |
| 20                  | 256QAM     | 1       | 99        | 18.37                 | 18.36                    | 18.28                  |                     |          |
| 20                  | 256QAM     | 50      | 0         | 18.45                 | 18.59                    | 18.39                  | 24                  | 1        |
| 20                  | 256QAM     | 50      | 24        | 18.38                 | 18.40                    | 18.43                  |                     |          |
| 20                  | 256QAM     | 50      | 50        | 18.36                 | 18.54                    | 18.27                  |                     |          |
| 20                  | 256QAM     | 100     | 0         | 18.42                 | 18.48                    | 18.41                  | 24                  | 1        |
| 15                  | QPSK       | 1       | 0         | 23.20                 | 23.48                    | 23.33                  |                     |          |
| 15                  | QPSK       | 1       | 37        | 23.14                 | 23.25                    | 23.26                  |                     |          |
| 15                  | QPSK       | 1       | 74        | 23.33                 | 23.44                    | 23.32                  | 24                  | 1        |
| 15                  | QPSK       | 36      | 0         | 22.34                 | 22.34                    | 22.26                  |                     |          |
| 15                  | QPSK       | 36      | 20        | 22.21                 | 22.29                    | 22.24                  |                     |          |
| 15                  | QPSK       | 36      | 39        | 22.33                 | 22.36                    | 22.24                  | 24                  | 1        |
| 15                  | QPSK       | 75      | 0         | 22.29                 | 22.29                    | 22.16                  |                     |          |
| 15                  | 16QAM      | 1       | 0         | 22.57                 | 22.63                    | 22.54                  |                     |          |
| 15                  | 16QAM      | 1       | 37        | 22.39                 | 22.48                    | 22.31                  |                     |          |





|                 |        |    |    |       |        |       |                     |          |
|-----------------|--------|----|----|-------|--------|-------|---------------------|----------|
| 15              | 16QAM  | 1  | 74 | 22.47 | 22.50  | 22.53 |                     |          |
| 15              | 16QAM  | 36 | 0  | 21.34 | 21.43  | 21.27 | 23                  | 2        |
| 15              | 16QAM  | 36 | 20 | 21.25 | 21.29  | 21.13 |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.17 | 21.36  | 21.17 |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.17 | 21.41  | 21.22 |                     |          |
| 15              | 64QAM  | 1  | 0  | 21.43 | 21.53  | 21.50 | 23                  | 2        |
| 15              | 64QAM  | 1  | 37 | 21.48 | 21.53  | 21.45 |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.37 | 21.53  | 21.46 |                     |          |
| 15              | 64QAM  | 36 | 0  | 20.13 | 20.24  | 20.11 | 22                  | 3        |
| 15              | 64QAM  | 36 | 20 | 20.27 | 20.20  | 20.11 |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.12 | 20.22  | 20.18 |                     |          |
| 15              | 64QAM  | 75 | 0  | 20.26 | 20.31  | 20.25 |                     |          |
| 15              | 256QAM | 1  | 0  | 18.31 | 18.41  | 18.30 | 20                  | 5        |
| 15              | 256QAM | 1  | 37 | 18.31 | 18.28  | 18.32 |                     |          |
| 15              | 256QAM | 1  | 74 | 18.32 | 18.41  | 18.20 |                     |          |
| 15              | 256QAM | 36 | 0  | 18.49 | 18.53  | 18.46 | 20                  | 5        |
| 15              | 256QAM | 36 | 20 | 18.33 | 18.49  | 18.45 |                     |          |
| 15              | 256QAM | 36 | 39 | 18.44 | 18.43  | 18.30 |                     |          |
| 15              | 256QAM | 75 | 0  | 18.43 | 18.53  | 18.43 |                     |          |
| Channel         |        |    |    | 20000 | 20175  | 20350 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1715  | 1732.5 | 1750  |                     |          |
| 10              | QPSK   | 1  | 0  | 23.21 | 23.42  | 23.30 | 25                  | 0        |
| 10              | QPSK   | 1  | 25 | 23.20 | 23.23  | 23.24 |                     |          |
| 10              | QPSK   | 1  | 49 | 23.27 | 23.45  | 23.28 |                     |          |
| 10              | QPSK   | 25 | 0  | 22.33 | 22.37  | 22.27 | 24                  | 1        |
| 10              | QPSK   | 25 | 12 | 22.22 | 22.28  | 22.29 |                     |          |
| 10              | QPSK   | 25 | 25 | 22.29 | 22.42  | 22.24 |                     |          |
| 10              | QPSK   | 50 | 0  | 22.24 | 22.28  | 22.27 |                     |          |
| 10              | 16QAM  | 1  | 0  | 22.51 | 22.59  | 22.45 | 24                  | 1        |
| 10              | 16QAM  | 1  | 25 | 22.38 | 22.43  | 22.35 |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.48 | 22.61  | 22.51 |                     |          |
| 10              | 16QAM  | 25 | 0  | 21.32 | 21.37  | 21.37 | 23                  | 2        |
| 10              | 16QAM  | 25 | 12 | 21.13 | 21.34  | 21.15 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.25 | 21.39  | 21.27 |                     |          |
| 10              | 16QAM  | 50 | 0  | 21.26 | 21.37  | 21.28 |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.34 | 21.54  | 21.48 | 23                  | 2        |
| 10              | 64QAM  | 1  | 25 | 21.48 | 21.43  | 21.36 |                     |          |
| 10              | 64QAM  | 1  | 49 | 21.41 | 21.49  | 21.41 |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.15 | 20.34  | 20.14 | 22                  | 3        |
| 10              | 64QAM  | 25 | 12 | 20.18 | 20.29  | 20.09 |                     |          |
| 10              | 64QAM  | 25 | 25 | 20.07 | 20.17  | 20.12 |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.26 | 20.36  | 20.25 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.25 | 18.49  | 18.31 | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.27 | 18.37  | 18.31 |                     |          |
| 10              | 256QAM | 1  | 49 | 18.42 | 18.43  | 18.25 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.44 | 18.49  | 18.46 | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.45 | 18.42  | 18.40 |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 10              | 256QAM | 25 | 25 | 18.49  | 18.51  | 18.36  |                     |          |
| 10              | 256QAM | 50 | 0  | 18.33  | 18.40  | 18.36  |                     |          |
| Channel         |        |    |    | 19975  | 20175  | 20375  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1712.5 | 1732.5 | 1752.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 23.20  | 23.41  | 23.28  | 25                  | 0        |
| 5               | QPSK   | 1  | 12 | 23.14  | 23.33  | 23.18  |                     |          |
| 5               | QPSK   | 1  | 24 | 23.26  | 23.38  | 23.32  |                     |          |
| 5               | QPSK   | 12 | 0  | 22.41  | 22.39  | 22.29  | 24                  | 1        |
| 5               | QPSK   | 12 | 7  | 22.17  | 22.36  | 22.18  |                     |          |
| 5               | QPSK   | 12 | 13 | 22.34  | 22.30  | 22.28  |                     |          |
| 5               | QPSK   | 25 | 0  | 22.22  | 22.37  | 22.21  | 24                  | 1        |
| 5               | 16QAM  | 1  | 0  | 22.58  | 22.50  | 22.47  |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.31  | 22.44  | 22.27  |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.39  | 22.55  | 22.55  | 23                  | 2        |
| 5               | 16QAM  | 12 | 0  | 21.27  | 21.31  | 21.27  |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.15  | 21.37  | 21.18  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.26  | 21.38  | 21.25  | 23                  | 2        |
| 5               | 16QAM  | 25 | 0  | 21.19  | 21.38  | 21.19  |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.47  | 21.52  | 21.38  |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.40  | 21.47  | 21.43  | 23                  | 2        |
| 5               | 64QAM  | 1  | 24 | 21.41  | 21.45  | 21.49  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.16  | 20.31  | 20.16  |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.18  | 20.23  | 20.08  | 22                  | 3        |
| 5               | 64QAM  | 12 | 13 | 20.13  | 20.18  | 20.06  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.29  | 20.39  | 20.16  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.24  | 18.36  | 18.36  | 20                  | 5        |
| 5               | 256QAM | 1  | 12 | 18.28  | 18.34  | 18.30  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.40  | 18.46  | 18.20  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.37  | 18.46  | 18.38  | 20                  | 5        |
| 5               | 256QAM | 12 | 7  | 18.44  | 18.36  | 18.39  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.45  | 18.50  | 18.38  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.43  | 18.52  | 18.35  | 20                  | 5        |
| Channel         |        |    |    | 19965  | 20175  | 20385  |                     |          |
| Frequency (MHz) |        |    |    | 1711.5 | 1732.5 | 1753.5 | Tune-up limit (dBm) | MPR (dB) |
| 3               | QPSK   | 1  | 0  | 23.23  | 23.42  | 23.21  |                     |          |
| 3               | QPSK   | 1  | 8  | 23.13  | 23.31  | 23.28  | 25                  | 0        |
| 3               | QPSK   | 1  | 14 | 23.26  | 23.46  | 23.28  |                     |          |
| 3               | QPSK   | 8  | 0  | 22.30  | 22.34  | 22.23  |                     |          |
| 3               | QPSK   | 8  | 4  | 22.20  | 22.35  | 22.30  | 24                  | 1        |
| 3               | QPSK   | 8  | 7  | 22.23  | 22.36  | 22.27  |                     |          |
| 3               | QPSK   | 15 | 0  | 22.22  | 22.38  | 22.20  |                     |          |
| 3               | 16QAM  | 1  | 0  | 22.55  | 22.58  | 22.48  | 24                  | 1        |
| 3               | 16QAM  | 1  | 8  | 22.39  | 22.47  | 22.27  |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.44  | 22.51  | 22.44  |                     |          |
| 3               | 16QAM  | 8  | 0  | 21.31  | 21.42  | 21.37  | 23                  | 2        |
| 3               | 16QAM  | 8  | 4  | 21.13  | 21.31  | 21.17  |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.25  | 21.29  | 21.14  |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 3               | 16QAM  | 15 | 0  | 21.14  | 21.40  | 21.24  |                     |          |
| 3               | 64QAM  | 1  | 0  | 21.37  | 21.49  | 21.48  | 23                  | 2        |
| 3               | 64QAM  | 1  | 8  | 21.46  | 21.53  | 21.30  |                     |          |
| 3               | 64QAM  | 1  | 14 | 21.28  | 21.44  | 21.45  |                     |          |
| 3               | 64QAM  | 8  | 0  | 20.21  | 20.36  | 20.10  | 22                  | 3        |
| 3               | 64QAM  | 8  | 4  | 20.16  | 20.27  | 20.06  |                     |          |
| 3               | 64QAM  | 8  | 7  | 20.04  | 20.15  | 20.07  |                     |          |
| 3               | 64QAM  | 15 | 0  | 20.16  | 20.39  | 20.15  |                     |          |
| 3               | 256QAM | 1  | 0  | 18.23  | 18.38  | 18.34  | 20                  | 5        |
| 3               | 256QAM | 1  | 8  | 18.25  | 18.31  | 18.24  |                     |          |
| 3               | 256QAM | 1  | 14 | 18.31  | 18.45  | 18.19  |                     |          |
| 3               | 256QAM | 8  | 0  | 18.46  | 18.51  | 18.44  | 20                  | 5        |
| 3               | 256QAM | 8  | 4  | 18.36  | 18.48  | 18.35  |                     |          |
| 3               | 256QAM | 8  | 7  | 18.36  | 18.46  | 18.31  |                     |          |
| 3               | 256QAM | 15 | 0  | 18.34  | 18.49  | 18.40  |                     |          |
| Channel         |        |    |    | 19957  | 20175  | 20393  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1710.7 | 1732.5 | 1754.3 |                     |          |
| 1.4             | QPSK   | 1  | 0  | 23.22  | 23.42  | 23.21  | 25                  | 0        |
| 1.4             | QPSK   | 1  | 3  | 23.12  | 23.34  | 23.23  |                     |          |
| 1.4             | QPSK   | 1  | 5  | 23.38  | 23.42  | 23.22  |                     |          |
| 1.4             | QPSK   | 3  | 0  | 23.31  | 23.37  | 23.23  |                     |          |
| 1.4             | QPSK   | 3  | 1  | 23.18  | 23.29  | 23.18  |                     |          |
| 1.4             | QPSK   | 3  | 3  | 23.32  | 23.30  | 23.27  | 24                  | 1        |
| 1.4             | QPSK   | 6  | 0  | 22.26  | 22.32  | 22.29  |                     |          |
| 1.4             | 16QAM  | 1  | 0  | 22.48  | 22.56  | 22.49  | 24                  | 1        |
| 1.4             | 16QAM  | 1  | 3  | 22.37  | 22.45  | 22.36  |                     |          |
| 1.4             | 16QAM  | 1  | 5  | 22.39  | 22.60  | 22.42  |                     |          |
| 1.4             | 16QAM  | 3  | 0  | 22.38  | 22.38  | 22.28  |                     |          |
| 1.4             | 16QAM  | 3  | 1  | 22.24  | 22.38  | 22.13  |                     |          |
| 1.4             | 16QAM  | 3  | 3  | 22.26  | 22.40  | 22.16  |                     |          |
| 1.4             | 16QAM  | 6  | 0  | 21.16  | 21.43  | 21.30  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 0  | 21.47  | 21.55  | 21.43  | 23                  | 2        |
| 1.4             | 64QAM  | 1  | 3  | 21.34  | 21.44  | 21.40  |                     |          |
| 1.4             | 64QAM  | 1  | 5  | 21.27  | 21.51  | 21.53  |                     |          |
| 1.4             | 64QAM  | 3  | 0  | 21.09  | 21.31  | 21.12  |                     |          |
| 1.4             | 64QAM  | 3  | 1  | 21.19  | 21.29  | 21.15  |                     |          |
| 1.4             | 64QAM  | 3  | 3  | 21.10  | 21.28  | 21.15  |                     |          |
| 1.4             | 64QAM  | 6  | 0  | 20.22  | 20.29  | 20.21  | 22                  | 3        |
| 1.4             | 256QAM | 1  | 0  | 18.26  | 18.42  | 18.38  | 20                  | 5        |
| 1.4             | 256QAM | 1  | 3  | 18.36  | 18.31  | 18.33  |                     |          |
| 1.4             | 256QAM | 1  | 5  | 18.31  | 18.36  | 18.30  |                     |          |
| 1.4             | 256QAM | 3  | 0  | 18.45  | 18.58  | 18.48  |                     |          |
| 1.4             | 256QAM | 3  | 1  | 18.39  | 18.41  | 18.43  |                     |          |
| 1.4             | 256QAM | 3  | 3  | 18.36  | 18.50  | 18.33  |                     |          |
| 1.4             | 256QAM | 6  | 0  | 18.32  | 18.52  | 18.44  | 20                  | 5        |



| Band 7 Ant2 Default |            |         |           |                       |                          |                        |                     |          |
|---------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel             |            |         |           | 20850                 | 21100                    | 21350                  |                     |          |
| Frequency (MHz)     |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20                  | QPSK       | 1       | 0         | 23.60                 | 23.72                    | 23.55                  | 25                  | 0        |
| 20                  | QPSK       | 1       | 49        | 23.50                 | 23.53                    | 23.47                  |                     |          |
| 20                  | QPSK       | 1       | 99        | 23.49                 | 23.61                    | 23.47                  |                     |          |
| 20                  | QPSK       | 50      | 0         | 22.78                 | 22.82                    | 22.74                  | 24                  | 1        |
| 20                  | QPSK       | 50      | 24        | 22.59                 | 22.75                    | 22.69                  |                     |          |
| 20                  | QPSK       | 50      | 50        | 22.62                 | 22.72                    | 22.56                  |                     |          |
| 20                  | QPSK       | 100     | 0         | 22.66                 | 22.77                    | 22.71                  |                     |          |
| 20                  | 16QAM      | 1       | 0         | 22.86                 | 22.96                    | 22.83                  | 24                  | 1        |
| 20                  | 16QAM      | 1       | 49        | 22.87                 | 22.93                    | 22.89                  |                     |          |
| 20                  | 16QAM      | 1       | 99        | 22.76                 | 22.88                    | 22.80                  |                     |          |
| 20                  | 16QAM      | 50      | 0         | 21.76                 | 21.88                    | 21.74                  | 23                  | 2        |
| 20                  | 16QAM      | 50      | 24        | 21.66                 | 21.81                    | 21.67                  |                     |          |
| 20                  | 16QAM      | 50      | 50        | 21.65                 | 21.75                    | 21.60                  |                     |          |
| 20                  | 16QAM      | 100     | 0         | 21.62                 | 21.75                    | 21.60                  |                     |          |
| 20                  | 64QAM      | 1       | 0         | 21.77                 | 21.91                    | 21.75                  | 23                  | 2        |
| 20                  | 64QAM      | 1       | 49        | 21.67                 | 21.80                    | 21.75                  |                     |          |
| 20                  | 64QAM      | 1       | 99        | 21.75                 | 21.81                    | 21.75                  |                     |          |
| 20                  | 64QAM      | 50      | 0         | 20.73                 | 20.86                    | 20.75                  | 22                  | 3        |
| 20                  | 64QAM      | 50      | 24        | 20.59                 | 20.72                    | 20.66                  |                     |          |
| 20                  | 64QAM      | 50      | 50        | 20.76                 | 20.82                    | 20.78                  |                     |          |
| 20                  | 64QAM      | 100     | 0         | 20.73                 | 20.78                    | 20.72                  |                     |          |
| 20                  | 256QAM     | 1       | 0         | 18.48                 | 18.76                    | 18.61                  | 20                  | 5        |
| 20                  | 256QAM     | 1       | 49        | 18.58                 | 18.62                    | 18.49                  |                     |          |
| 20                  | 256QAM     | 1       | 99        | 18.58                 | 18.59                    | 18.53                  |                     |          |
| 20                  | 256QAM     | 50      | 0         | 18.62                 | 18.73                    | 18.63                  | 20                  | 5        |
| 20                  | 256QAM     | 50      | 24        | 18.68                 | 18.69                    | 18.61                  |                     |          |
| 20                  | 256QAM     | 50      | 50        | 18.72                 | 18.73                    | 18.61                  |                     |          |
| 20                  | 256QAM     | 100     | 0         | 18.67                 | 18.72                    | 18.71                  |                     |          |
| Channel             |            |         |           | 20825                 | 21100                    | 21375                  |                     |          |
| Frequency (MHz)     |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |
| 15                  | QPSK       | 1       | 0         | 23.45                 | 23.56                    | 23.44                  | 25                  | 0        |
| 15                  | QPSK       | 1       | 37        | 23.41                 | 23.39                    | 23.34                  |                     |          |
| 15                  | QPSK       | 1       | 74        | 23.37                 | 23.44                    | 23.41                  |                     |          |
| 15                  | QPSK       | 36      | 0         | 22.63                 | 22.71                    | 22.68                  | 24                  | 1        |
| 15                  | QPSK       | 36      | 20        | 22.47                 | 22.59                    | 22.63                  |                     |          |
| 15                  | QPSK       | 36      | 39        | 22.58                 | 22.66                    | 22.42                  |                     |          |
| 15                  | QPSK       | 75      | 0         | 22.59                 | 22.63                    | 22.64                  |                     |          |
| 15                  | 16QAM      | 1       | 0         | 22.69                 | 22.82                    | 22.75                  | 24                  | 1        |
| 15                  | 16QAM      | 1       | 37        | 22.85                 | 22.86                    | 22.79                  |                     |          |
| 15                  | 16QAM      | 1       | 74        | 22.68                 | 22.83                    | 22.76                  |                     |          |



|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 15              | 16QAM  | 36 | 0  | 21.60 | 21.72 | 21.58 | 23                  | 2        |
| 15              | 16QAM  | 36 | 20 | 21.51 | 21.67 | 21.53 |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.51 | 21.68 | 21.53 |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.54 | 21.58 | 21.47 | 23                  | 2        |
| 15              | 64QAM  | 1  | 0  | 21.63 | 21.81 | 21.68 |                     |          |
| 15              | 64QAM  | 1  | 37 | 21.56 | 21.72 | 21.67 |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.63 | 21.72 | 21.62 | 22                  | 3        |
| 15              | 64QAM  | 36 | 0  | 20.61 | 20.83 | 20.69 |                     |          |
| 15              | 64QAM  | 36 | 20 | 20.42 | 20.67 | 20.59 |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.60 | 20.79 | 20.64 | 20                  | 5        |
| 15              | 64QAM  | 75 | 0  | 20.71 | 20.66 | 20.58 |                     |          |
| 15              | 256QAM | 1  | 0  | 18.51 | 18.72 | 18.67 |                     |          |
| 15              | 256QAM | 1  | 37 | 18.57 | 18.67 | 18.60 | 20                  | 5        |
| 15              | 256QAM | 1  | 74 | 18.65 | 18.60 | 18.52 |                     |          |
| 15              | 256QAM | 36 | 0  | 18.74 | 18.74 | 18.61 |                     |          |
| 15              | 256QAM | 36 | 20 | 18.69 | 18.65 | 18.63 | 20                  | 5        |
| 15              | 256QAM | 36 | 39 | 18.66 | 18.77 | 18.65 |                     |          |
| 15              | 256QAM | 75 | 0  | 18.63 | 18.79 | 18.70 |                     |          |
| Channel         |        |    |    | 20800 | 21100 | 21400 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 2505  | 2535  | 2565  |                     |          |
| 10              | QPSK   | 1  | 0  | 23.55 | 23.65 | 23.46 | 25                  | 0        |
| 10              | QPSK   | 1  | 25 | 23.35 | 23.50 | 23.38 |                     |          |
| 10              | QPSK   | 1  | 49 | 23.34 | 23.47 | 23.39 |                     |          |
| 10              | QPSK   | 25 | 0  | 22.62 | 22.80 | 22.64 | 24                  | 1        |
| 10              | QPSK   | 25 | 12 | 22.53 | 22.61 | 22.60 |                     |          |
| 10              | QPSK   | 25 | 25 | 22.46 | 22.60 | 22.53 |                     |          |
| 10              | QPSK   | 50 | 0  | 22.64 | 22.64 | 22.64 | 24                  | 1        |
| 10              | 16QAM  | 1  | 0  | 22.79 | 22.90 | 22.67 |                     |          |
| 10              | 16QAM  | 1  | 25 | 22.73 | 22.78 | 22.86 |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.70 | 22.80 | 22.75 | 23                  | 2        |
| 10              | 16QAM  | 25 | 0  | 21.73 | 21.72 | 21.68 |                     |          |
| 10              | 16QAM  | 25 | 12 | 21.61 | 21.70 | 21.60 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.49 | 21.60 | 21.52 | 23                  | 2        |
| 10              | 16QAM  | 50 | 0  | 21.51 | 21.59 | 21.55 |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.75 | 21.85 | 21.62 |                     |          |
| 10              | 64QAM  | 1  | 25 | 21.62 | 21.78 | 21.60 | 23                  | 2        |
| 10              | 64QAM  | 1  | 49 | 21.71 | 21.68 | 21.62 |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.62 | 20.78 | 20.67 |                     |          |
| 10              | 64QAM  | 25 | 12 | 20.57 | 20.68 | 20.53 | 22                  | 3        |
| 10              | 64QAM  | 25 | 25 | 20.63 | 20.76 | 20.69 |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.59 | 20.72 | 20.64 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.57 | 18.65 | 18.65 | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.50 | 18.61 | 18.62 |                     |          |
| 10              | 256QAM | 1  | 49 | 18.57 | 18.71 | 18.42 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.62 | 18.73 | 18.70 | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.70 | 18.72 | 18.72 |                     |          |
| 10              | 256QAM | 25 | 25 | 18.64 | 18.75 | 18.51 |                     |          |



| 10              | 256QAM | 50 | 0  | 18.64  | 18.65 | 18.71  |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|
| Channel         |        |    |    | 20775  | 21100 | 21425  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 2502.5 | 2535  | 2567.5 |                     |          |
| 5               | QPSK   | 1  | 0  | 23.56  | 23.63 | 23.42  | 25                  | 0        |
| 5               | QPSK   | 1  | 12 | 23.38  | 23.47 | 23.40  |                     |          |
| 5               | QPSK   | 1  | 24 | 23.43  | 23.58 | 23.37  |                     |          |
| 5               | QPSK   | 12 | 0  | 22.74  | 22.77 | 22.63  | 24                  | 1        |
| 5               | QPSK   | 12 | 7  | 22.54  | 22.63 | 22.64  |                     |          |
| 5               | QPSK   | 12 | 13 | 22.52  | 22.67 | 22.43  |                     |          |
| 5               | QPSK   | 25 | 0  | 22.50  | 22.69 | 22.56  | 24                  | 1        |
| 5               | 16QAM  | 1  | 0  | 22.72  | 22.81 | 22.78  |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.83  | 22.83 | 22.83  |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.70  | 22.84 | 22.69  | 23                  | 2        |
| 5               | 16QAM  | 12 | 0  | 21.62  | 21.86 | 21.61  |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.57  | 21.78 | 21.62  |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.60  | 21.72 | 21.47  | 22                  | 3        |
| 5               | 16QAM  | 25 | 0  | 21.59  | 21.64 | 21.45  |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.61  | 21.80 | 21.68  |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.55  | 21.76 | 21.64  | 23                  | 2        |
| 5               | 64QAM  | 1  | 24 | 21.59  | 21.76 | 21.71  |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.68  | 20.78 | 20.68  |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.50  | 20.62 | 20.55  | 20                  | 5        |
| 5               | 64QAM  | 12 | 13 | 20.66  | 20.79 | 20.67  |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.67  | 20.66 | 20.62  |                     |          |
| 5               | 256QAM | 1  | 0  | 18.60  | 18.70 | 18.57  | 20                  | 5        |
| 5               | 256QAM | 1  | 12 | 18.57  | 18.64 | 18.54  |                     |          |
| 5               | 256QAM | 1  | 24 | 18.66  | 18.68 | 18.46  |                     |          |
| 5               | 256QAM | 12 | 0  | 18.64  | 18.83 | 18.70  | 20                  | 5        |
| 5               | 256QAM | 12 | 7  | 18.61  | 18.66 | 18.71  |                     |          |
| 5               | 256QAM | 12 | 13 | 18.71  | 18.73 | 18.66  |                     |          |
| 5               | 256QAM | 25 | 0  | 18.64  | 18.69 | 18.69  |                     |          |



| Band 25 Ant2 Default |            |         |           |                       |                          |                        |                     |          |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel              |            |         |           | 26140                 | 26340                    | 26590                  |                     |          |
| Frequency (MHz)      |            |         |           | 1860                  | 1880                     | 1905                   |                     |          |
| 20                   | QPSK       | 1       | 0         | 23.39                 | 23.50                    | 23.41                  | 25                  | 0        |
| 20                   | QPSK       | 1       | 49        | 23.37                 | 23.40                    | 23.36                  |                     |          |
| 20                   | QPSK       | 1       | 99        | 23.22                 | 23.36                    | 23.20                  |                     |          |
| 20                   | QPSK       | 50      | 0         | 22.43                 | 22.57                    | 22.44                  | 24                  | 1        |
| 20                   | QPSK       | 50      | 24        | 22.43                 | 22.50                    | 22.37                  |                     |          |
| 20                   | QPSK       | 50      | 50        | 22.38                 | 22.52                    | 22.42                  |                     |          |
| 20                   | QPSK       | 100     | 0         | 22.54                 | 22.58                    | 22.51                  |                     |          |
| 20                   | 16QAM      | 1       | 0         | 22.54                 | 22.66                    | 22.58                  | 24                  | 1        |
| 20                   | 16QAM      | 1       | 49        | 22.51                 | 22.62                    | 22.55                  |                     |          |
| 20                   | 16QAM      | 1       | 99        | 22.44                 | 22.53                    | 22.39                  |                     |          |
| 20                   | 16QAM      | 50      | 0         | 21.37                 | 21.43                    | 21.40                  | 23                  | 2        |
| 20                   | 16QAM      | 50      | 24        | 21.21                 | 21.36                    | 21.23                  |                     |          |
| 20                   | 16QAM      | 50      | 50        | 21.28                 | 21.38                    | 21.31                  |                     |          |
| 20                   | 16QAM      | 100     | 0         | 21.48                 | 21.63                    | 21.59                  |                     |          |
| 20                   | 64QAM      | 1       | 0         | 21.36                 | 21.49                    | 21.38                  | 23                  | 2        |
| 20                   | 64QAM      | 1       | 49        | 21.36                 | 21.43                    | 21.40                  |                     |          |
| 20                   | 64QAM      | 1       | 99        | 21.20                 | 21.36                    | 21.27                  |                     |          |
| 20                   | 64QAM      | 50      | 0         | 20.33                 | 20.46                    | 20.30                  | 22                  | 3        |
| 20                   | 64QAM      | 50      | 24        | 20.32                 | 20.36                    | 20.23                  |                     |          |
| 20                   | 64QAM      | 50      | 50        | 20.30                 | 20.43                    | 20.27                  |                     |          |
| 20                   | 64QAM      | 100     | 0         | 20.45                 | 20.55                    | 20.48                  |                     |          |
| 20                   | 256QAM     | 1       | 0         | 18.42                 | 18.57                    | 18.38                  | 20                  | 5        |
| 20                   | 256QAM     | 1       | 49        | 18.42                 | 18.46                    | 18.37                  |                     |          |
| 20                   | 256QAM     | 1       | 99        | 18.49                 | 18.45                    | 18.30                  |                     |          |
| 20                   | 256QAM     | 50      | 0         | 18.48                 | 18.69                    | 18.43                  | 20                  | 5        |
| 20                   | 256QAM     | 50      | 24        | 18.54                 | 18.55                    | 18.41                  |                     |          |
| 20                   | 256QAM     | 50      | 50        | 18.56                 | 18.53                    | 18.38                  |                     |          |
| 20                   | 256QAM     | 100     | 0         | 18.45                 | 18.58                    | 18.43                  |                     |          |
| Channel              |            |         |           | 26115                 | 26340                    | 26615                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)      |            |         |           | 1857.5                | 1880                     | 1907.5                 |                     |          |
| 15                   | QPSK       | 1       | 0         | 23.23                 | 23.34                    | 23.37                  | 25                  | 0        |
| 15                   | QPSK       | 1       | 37        | 23.23                 | 23.24                    | 23.20                  |                     |          |
| 15                   | QPSK       | 1       | 74        | 23.14                 | 23.27                    | 23.08                  |                     |          |
| 15                   | QPSK       | 36      | 0         | 22.28                 | 22.53                    | 22.30                  | 24                  | 1        |
| 15                   | QPSK       | 36      | 20        | 22.40                 | 22.46                    | 22.33                  |                     |          |
| 15                   | QPSK       | 36      | 39        | 22.32                 | 22.39                    | 22.37                  |                     |          |
| 15                   | QPSK       | 75      | 0         | 22.47                 | 22.41                    | 22.48                  |                     |          |
| 15                   | 16QAM      | 1       | 0         | 22.41                 | 22.54                    | 22.42                  | 24                  | 1        |
| 15                   | 16QAM      | 1       | 37        | 22.35                 | 22.49                    | 22.44                  |                     |          |
| 15                   | 16QAM      | 1       | 74        | 22.32                 | 22.44                    | 22.27                  |                     |          |



|                 |        |    |    |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|
| 15              | 16QAM  | 36 | 0  | 21.33 | 21.38 | 21.30 | 23                  | 2        |
| 15              | 16QAM  | 36 | 20 | 21.05 | 21.25 | 21.20 |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.12 | 21.30 | 21.21 |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.39 | 21.54 | 21.42 | 23                  | 2        |
| 15              | 64QAM  | 1  | 0  | 21.28 | 21.33 | 21.23 |                     |          |
| 15              | 64QAM  | 1  | 37 | 21.21 | 21.37 | 21.36 |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.08 | 21.25 | 21.11 | 22                  | 3        |
| 15              | 64QAM  | 36 | 0  | 20.25 | 20.44 | 20.17 |                     |          |
| 15              | 64QAM  | 36 | 20 | 20.22 | 20.29 | 20.20 |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.18 | 20.28 | 20.19 | 20                  | 5        |
| 15              | 64QAM  | 75 | 0  | 20.31 | 20.45 | 20.43 |                     |          |
| 15              | 256QAM | 1  | 0  | 18.32 | 18.48 | 18.47 |                     |          |
| 15              | 256QAM | 1  | 37 | 18.39 | 18.45 | 18.36 | 20                  | 5        |
| 15              | 256QAM | 1  | 74 | 18.38 | 18.39 | 18.27 |                     |          |
| 15              | 256QAM | 36 | 0  | 18.48 | 18.63 | 18.44 |                     |          |
| 15              | 256QAM | 36 | 20 | 18.50 | 18.46 | 18.45 | 20                  | 5        |
| 15              | 256QAM | 36 | 39 | 18.54 | 18.51 | 18.43 |                     |          |
| 15              | 256QAM | 75 | 0  | 18.53 | 18.53 | 18.49 |                     |          |
| Channel         |        |    |    | 26090 | 26340 | 26640 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1855  | 1880  | 1910  |                     |          |
| 10              | QPSK   | 1  | 0  | 23.25 | 23.48 | 23.31 | 25                  | 0        |
| 10              | QPSK   | 1  | 25 | 23.29 | 23.32 | 23.24 |                     |          |
| 10              | QPSK   | 1  | 49 | 23.11 | 23.28 | 23.16 |                     |          |
| 10              | QPSK   | 25 | 0  | 22.28 | 22.52 | 22.30 | 24                  | 1        |
| 10              | QPSK   | 25 | 12 | 22.28 | 22.48 | 22.23 |                     |          |
| 10              | QPSK   | 25 | 25 | 22.28 | 22.42 | 22.25 |                     |          |
| 10              | QPSK   | 50 | 0  | 22.51 | 22.44 | 22.35 | 24                  | 1        |
| 10              | 16QAM  | 1  | 0  | 22.44 | 22.53 | 22.49 |                     |          |
| 10              | 16QAM  | 1  | 25 | 22.35 | 22.56 | 22.44 |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.41 | 22.51 | 22.24 | 23                  | 2        |
| 10              | 16QAM  | 25 | 0  | 21.26 | 21.36 | 21.38 |                     |          |
| 10              | 16QAM  | 25 | 12 | 21.04 | 21.33 | 21.13 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.11 | 21.33 | 21.20 | 23                  | 2        |
| 10              | 16QAM  | 50 | 0  | 21.31 | 21.47 | 21.50 |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.20 | 21.37 | 21.34 |                     |          |
| 10              | 64QAM  | 1  | 25 | 21.32 | 21.39 | 21.31 | 23                  | 2        |
| 10              | 64QAM  | 1  | 49 | 21.09 | 21.28 | 21.21 |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.21 | 20.39 | 20.27 |                     |          |
| 10              | 64QAM  | 25 | 12 | 20.26 | 20.31 | 20.09 | 22                  | 3        |
| 10              | 64QAM  | 25 | 25 | 20.26 | 20.36 | 20.23 |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.42 | 20.41 | 20.43 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.42 | 18.46 | 18.46 | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.33 | 18.45 | 18.46 |                     |          |
| 10              | 256QAM | 1  | 49 | 18.39 | 18.53 | 18.34 |                     |          |
| 10              | 256QAM | 25 | 0  | 18.49 | 18.54 | 18.52 | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.51 | 18.53 | 18.49 |                     |          |
| 10              | 256QAM | 25 | 25 | 18.53 | 18.52 | 18.43 |                     |          |





| 10              | 256QAM | 50 | 0  | 18.50  | 18.58 | 18.44  |                     |          |                     |          |
|-----------------|--------|----|----|--------|-------|--------|---------------------|----------|---------------------|----------|
| Channel         |        |    |    | 26065  | 26340 | 26665  | Tune-up limit (dBm) | MPR (dB) |                     |          |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1912.5 |                     |          |                     |          |
| 5               | QPSK   | 1  | 0  | 23.37  | 23.41 | 23.36  | 25                  | 0        |                     |          |
| 5               | QPSK   | 1  | 12 | 23.25  | 23.37 | 23.27  |                     |          |                     |          |
| 5               | QPSK   | 1  | 24 | 23.11  | 23.19 | 23.07  |                     |          |                     |          |
| 5               | QPSK   | 12 | 0  | 22.40  | 22.41 | 22.34  | 24                  | 1        |                     |          |
| 5               | QPSK   | 12 | 7  | 22.35  | 22.46 | 22.25  |                     |          |                     |          |
| 5               | QPSK   | 12 | 13 | 22.29  | 22.42 | 22.31  |                     |          |                     |          |
| 5               | QPSK   | 25 | 0  | 22.47  | 22.51 | 22.46  | 24                  | 1        |                     |          |
| 5               | 16QAM  | 1  | 0  | 22.45  | 22.61 | 22.53  |                     |          |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.40  | 22.58 | 22.38  |                     |          |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.30  | 22.36 | 22.35  | 23                  | 2        |                     |          |
| 5               | 16QAM  | 12 | 0  | 21.26  | 21.31 | 21.24  |                     |          |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.08  | 21.22 | 21.12  |                     |          |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.20  | 21.31 | 21.17  | 23                  | 2        |                     |          |
| 5               | 16QAM  | 25 | 0  | 21.41  | 21.53 | 21.48  |                     |          |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.26  | 21.38 | 21.21  |                     |          |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.25  | 21.33 | 21.35  | 23                  | 2        |                     |          |
| 5               | 64QAM  | 1  | 24 | 21.13  | 21.28 | 21.24  |                     |          |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.19  | 20.36 | 20.19  |                     |          |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.20  | 20.33 | 20.11  | 22                  | 3        |                     |          |
| 5               | 64QAM  | 12 | 13 | 20.19  | 20.36 | 20.11  |                     |          |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.31  | 20.52 | 20.34  |                     |          |                     |          |
| 5               | 256QAM | 1  | 0  | 18.37  | 18.46 | 18.47  | 20                  | 5        |                     |          |
| 5               | 256QAM | 1  | 12 | 18.43  | 18.44 | 18.37  |                     |          |                     |          |
| 5               | 256QAM | 1  | 24 | 18.35  | 18.53 | 18.31  |                     |          |                     |          |
| 5               | 256QAM | 12 | 0  | 18.53  | 18.65 | 18.48  | 20                  | 5        |                     |          |
| 5               | 256QAM | 12 | 7  | 18.45  | 18.46 | 18.45  |                     |          |                     |          |
| 5               | 256QAM | 12 | 13 | 18.45  | 18.61 | 18.45  |                     |          |                     |          |
| 5               | 256QAM | 25 | 0  | 18.49  | 18.48 | 18.42  | 20                  | 5        |                     |          |
| Channel         |        |    |    | 26055  | 26340 | 26675  |                     |          | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1913.5 |                     |          |                     |          |
| 3               | QPSK   | 1  | 0  | 23.25  | 23.41 | 23.28  | 25                  | 0        |                     |          |
| 3               | QPSK   | 1  | 8  | 23.22  | 23.32 | 23.29  |                     |          |                     |          |
| 3               | QPSK   | 1  | 14 | 23.12  | 23.28 | 23.13  |                     |          |                     |          |
| 3               | QPSK   | 8  | 0  | 22.36  | 22.53 | 22.32  | 24                  | 1        |                     |          |
| 3               | QPSK   | 8  | 4  | 22.37  | 22.48 | 22.31  |                     |          |                     |          |
| 3               | QPSK   | 8  | 7  | 22.35  | 22.49 | 22.25  |                     |          |                     |          |
| 3               | QPSK   | 15 | 0  | 22.48  | 22.42 | 22.42  | 24                  | 1        |                     |          |
| 3               | 16QAM  | 1  | 0  | 22.49  | 22.57 | 22.46  |                     |          |                     |          |
| 3               | 16QAM  | 1  | 8  | 22.45  | 22.59 | 22.53  |                     |          |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.29  | 22.49 | 22.34  | 23                  | 2        |                     |          |
| 3               | 16QAM  | 8  | 0  | 21.22  | 21.30 | 21.35  |                     |          |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.07  | 21.31 | 21.13  |                     |          |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.15  | 21.36 | 21.29  | 23                  | 2        |                     |          |
| 3               | 16QAM  | 15 | 0  | 21.32  | 21.47 | 21.47  |                     |          |                     |          |



|                 |        |    |    |        |       |        |    |   |
|-----------------|--------|----|----|--------|-------|--------|----|---|
| 3               | 64QAM  | 1  | 0  | 21.29  | 21.41 | 21.33  | 23 | 2 |
| 3               | 64QAM  | 1  | 8  | 21.21  | 21.41 | 21.32  |    |   |
| 3               | 64QAM  | 1  | 14 | 21.09  | 21.21 | 21.24  |    |   |
| 3               | 64QAM  | 8  | 0  | 20.18  | 20.32 | 20.26  | 22 | 3 |
| 3               | 64QAM  | 8  | 4  | 20.26  | 20.26 | 20.11  |    |   |
| 3               | 64QAM  | 8  | 7  | 20.20  | 20.37 | 20.20  |    |   |
| 3               | 64QAM  | 15 | 0  | 20.36  | 20.39 | 20.45  | 20 | 5 |
| 3               | 256QAM | 1  | 0  | 18.31  | 18.52 | 18.46  |    |   |
| 3               | 256QAM | 1  | 8  | 18.31  | 18.46 | 18.44  |    |   |
| 3               | 256QAM | 1  | 14 | 18.49  | 18.39 | 18.34  | 20 | 5 |
| 3               | 256QAM | 8  | 0  | 18.57  | 18.64 | 18.57  |    |   |
| 3               | 256QAM | 8  | 4  | 18.45  | 18.54 | 18.49  |    |   |
| 3               | 256QAM | 8  | 7  | 18.54  | 18.55 | 18.46  | 20 | 5 |
| 3               | 256QAM | 15 | 0  | 18.52  | 18.48 | 18.43  |    |   |
| Channel         |        |    |    | 26047  | 26340 | 26683  |    |   |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1914.3 |    |   |
| 1.4             | QPSK   | 1  | 0  | 23.30  | 23.46 | 23.38  | 25 | 0 |
| 1.4             | QPSK   | 1  | 3  | 23.21  | 23.36 | 23.31  |    |   |
| 1.4             | QPSK   | 1  | 5  | 23.11  | 23.23 | 23.05  |    |   |
| 1.4             | QPSK   | 3  | 0  | 23.29  | 23.47 | 23.41  |    |   |
| 1.4             | QPSK   | 3  | 1  | 23.38  | 23.35 | 23.26  |    |   |
| 1.4             | QPSK   | 3  | 3  | 23.28  | 23.35 | 23.31  | 24 | 1 |
| 1.4             | QPSK   | 6  | 0  | 22.48  | 22.53 | 22.47  |    |   |
| 1.4             | 16QAM  | 1  | 0  | 22.41  | 22.61 | 22.42  | 24 | 1 |
| 1.4             | 16QAM  | 1  | 3  | 22.47  | 22.54 | 22.49  |    |   |
| 1.4             | 16QAM  | 1  | 5  | 22.31  | 22.46 | 22.37  |    |   |
| 1.4             | 16QAM  | 3  | 0  | 22.23  | 22.28 | 22.34  |    |   |
| 1.4             | 16QAM  | 3  | 1  | 22.11  | 22.31 | 22.13  |    |   |
| 1.4             | 16QAM  | 3  | 3  | 22.12  | 22.34 | 22.26  | 23 | 2 |
| 1.4             | 16QAM  | 6  | 0  | 21.37  | 21.53 | 21.46  |    |   |
| 1.4             | 64QAM  | 1  | 0  | 21.32  | 21.32 | 21.34  | 23 | 2 |
| 1.4             | 64QAM  | 1  | 3  | 21.32  | 21.32 | 21.35  |    |   |
| 1.4             | 64QAM  | 1  | 5  | 21.03  | 21.28 | 21.11  |    |   |
| 1.4             | 64QAM  | 3  | 0  | 21.24  | 21.39 | 21.22  |    |   |
| 1.4             | 64QAM  | 3  | 1  | 21.18  | 21.23 | 21.17  |    |   |
| 1.4             | 64QAM  | 3  | 3  | 21.23  | 21.32 | 21.18  | 22 | 3 |
| 1.4             | 64QAM  | 6  | 0  | 20.37  | 20.46 | 20.35  |    |   |
| 1.4             | 256QAM | 1  | 0  | 18.31  | 18.48 | 18.37  | 20 | 5 |
| 1.4             | 256QAM | 1  | 3  | 18.43  | 18.41 | 18.39  |    |   |
| 1.4             | 256QAM | 1  | 5  | 18.45  | 18.51 | 18.37  |    |   |
| 1.4             | 256QAM | 3  | 0  | 18.57  | 18.59 | 18.57  |    |   |
| 1.4             | 256QAM | 3  | 1  | 18.51  | 18.53 | 18.49  |    |   |
| 1.4             | 256QAM | 3  | 3  | 18.52  | 18.64 | 18.45  | 20 | 5 |
| 1.4             | 256QAM | 6  | 0  | 18.53  | 18.55 | 18.46  |    |   |



| Band 66 Ant2 Default |            |         |           |                       |                          |                        |                     |          |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel              |            |         |           | 132072                | 132322                   | 132572                 |                     |          |
| Frequency (MHz)      |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |
| 20                   | QPSK       | 1       | 0         | 23.42                 | 23.60                    | 23.47                  | 25                  | 0        |
| 20                   | QPSK       | 1       | 49        | 23.39                 | 23.50                    | 23.44                  |                     |          |
| 20                   | QPSK       | 1       | 99        | 23.37                 | 23.49                    | 23.41                  |                     |          |
| 20                   | QPSK       | 50      | 0         | 22.60                 | 22.64                    | 22.48                  | 24                  | 1        |
| 20                   | QPSK       | 50      | 24        | 22.44                 | 22.55                    | 22.39                  |                     |          |
| 20                   | QPSK       | 50      | 50        | 22.40                 | 22.47                    | 22.41                  |                     |          |
| 20                   | QPSK       | 100     | 0         | 22.45                 | 22.51                    | 22.34                  |                     |          |
| 20                   | 16QAM      | 1       | 0         | 22.69                 | 22.71                    | 22.59                  | 24                  | 1        |
| 20                   | 16QAM      | 1       | 49        | 22.49                 | 22.57                    | 22.48                  |                     |          |
| 20                   | 16QAM      | 1       | 99        | 22.52                 | 22.63                    | 22.60                  |                     |          |
| 20                   | 16QAM      | 50      | 0         | 21.47                 | 21.56                    | 21.46                  | 23                  | 2        |
| 20                   | 16QAM      | 50      | 24        | 21.41                 | 21.43                    | 21.39                  |                     |          |
| 20                   | 16QAM      | 50      | 50        | 21.27                 | 21.41                    | 21.35                  |                     |          |
| 20                   | 16QAM      | 100     | 0         | 21.45                 | 21.58                    | 21.47                  |                     |          |
| 20                   | 64QAM      | 1       | 0         | 21.46                 | 21.60                    | 21.56                  | 23                  | 2        |
| 20                   | 64QAM      | 1       | 49        | 21.30                 | 21.45                    | 21.43                  |                     |          |
| 20                   | 64QAM      | 1       | 99        | 21.45                 | 21.57                    | 21.49                  |                     |          |
| 20                   | 64QAM      | 50      | 0         | 20.44                 | 20.56                    | 20.41                  | 22                  | 3        |
| 20                   | 64QAM      | 50      | 24        | 20.39                 | 20.45                    | 20.33                  |                     |          |
| 20                   | 64QAM      | 50      | 50        | 20.34                 | 20.45                    | 20.39                  |                     |          |
| 20                   | 64QAM      | 100     | 0         | 20.44                 | 20.52                    | 20.46                  |                     |          |
| 20                   | 256QAM     | 1       | 0         | 18.37                 | 18.54                    | 18.47                  | 20                  | 5        |
| 20                   | 256QAM     | 1       | 49        | 18.31                 | 18.45                    | 18.37                  |                     |          |
| 20                   | 256QAM     | 1       | 99        | 18.36                 | 18.48                    | 18.38                  |                     |          |
| 20                   | 256QAM     | 50      | 0         | 18.56                 | 18.56                    | 18.43                  | 20                  | 5        |
| 20                   | 256QAM     | 50      | 24        | 18.48                 | 18.52                    | 18.46                  |                     |          |
| 20                   | 256QAM     | 50      | 50        | 18.55                 | 18.62                    | 18.41                  |                     |          |
| 20                   | 256QAM     | 100     | 0         | 18.45                 | 18.56                    | 18.51                  |                     |          |
| Channel              |            |         |           | 132047                | 132322                   | 132597                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)      |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |
| 15                   | QPSK       | 1       | 0         | 23.27                 | 23.46                    | 23.31                  | 25                  | 0        |
| 15                   | QPSK       | 1       | 37        | 23.36                 | 23.44                    | 23.35                  |                     |          |
| 15                   | QPSK       | 1       | 74        | 23.31                 | 23.43                    | 23.37                  |                     |          |
| 15                   | QPSK       | 36      | 0         | 22.52                 | 22.49                    | 22.41                  | 24                  | 1        |
| 15                   | QPSK       | 36      | 20        | 22.40                 | 22.47                    | 22.31                  |                     |          |
| 15                   | QPSK       | 36      | 39        | 22.24                 | 22.37                    | 22.26                  |                     |          |
| 15                   | QPSK       | 75      | 0         | 22.43                 | 22.36                    | 22.17                  |                     |          |
| 15                   | 16QAM      | 1       | 0         | 22.67                 | 22.55                    | 22.50                  | 24                  | 1        |
| 15                   | 16QAM      | 1       | 37        | 22.43                 | 22.53                    | 22.33                  |                     |          |
| 15                   | 16QAM      | 1       | 74        | 22.39                 | 22.56                    | 22.48                  |                     |          |



|                 |        |    |    |        |        |        |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|
| 15              | 16QAM  | 36 | 0  | 21.38  | 21.41  | 21.33  | 23                  | 2        |
| 15              | 16QAM  | 36 | 20 | 21.36  | 21.39  | 21.33  |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.16  | 21.31  | 21.21  |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.29  | 21.49  | 21.31  | 23                  | 2        |
| 15              | 64QAM  | 1  | 0  | 21.36  | 21.47  | 21.40  |                     |          |
| 15              | 64QAM  | 1  | 37 | 21.24  | 21.34  | 21.37  |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.34  | 21.40  | 21.36  | 22                  | 3        |
| 15              | 64QAM  | 36 | 0  | 20.38  | 20.48  | 20.38  |                     |          |
| 15              | 64QAM  | 36 | 20 | 20.33  | 20.32  | 20.30  |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.22  | 20.40  | 20.36  | 20                  | 5        |
| 15              | 64QAM  | 75 | 0  | 20.30  | 20.37  | 20.34  |                     |          |
| 15              | 256QAM | 1  | 0  | 18.37  | 18.46  | 18.45  |                     |          |
| 15              | 256QAM | 1  | 37 | 18.33  | 18.42  | 18.43  | 20                  | 5        |
| 15              | 256QAM | 1  | 74 | 18.42  | 18.50  | 18.30  |                     |          |
| 15              | 256QAM | 36 | 0  | 18.55  | 18.55  | 18.57  |                     |          |
| 15              | 256QAM | 36 | 20 | 18.50  | 18.45  | 18.46  | 20                  | 5        |
| 15              | 256QAM | 36 | 39 | 18.52  | 18.55  | 18.35  |                     |          |
| 15              | 256QAM | 75 | 0  | 18.42  | 18.56  | 18.53  |                     |          |
| Channel         |        |    |    | 132022 | 132322 | 132622 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1715   | 1745   | 1775   |                     |          |
| 10              | QPSK   | 1  | 0  | 23.29  | 23.57  | 23.35  | 25                  | 0        |
| 10              | QPSK   | 1  | 25 | 23.28  | 23.39  | 23.39  |                     |          |
| 10              | QPSK   | 1  | 49 | 23.31  | 23.38  | 23.36  |                     |          |
| 10              | QPSK   | 25 | 0  | 22.43  | 22.53  | 22.31  | 24                  | 1        |
| 10              | QPSK   | 25 | 12 | 22.33  | 22.52  | 22.23  |                     |          |
| 10              | QPSK   | 25 | 25 | 22.33  | 22.38  | 22.35  |                     |          |
| 10              | QPSK   | 50 | 0  | 22.40  | 22.35  | 22.21  | 24                  | 1        |
| 10              | 16QAM  | 1  | 0  | 22.60  | 22.66  | 22.56  |                     |          |
| 10              | 16QAM  | 1  | 25 | 22.41  | 22.55  | 22.40  |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.36  | 22.58  | 22.56  | 23                  | 2        |
| 10              | 16QAM  | 25 | 0  | 21.39  | 21.39  | 21.36  |                     |          |
| 10              | 16QAM  | 25 | 12 | 21.25  | 21.35  | 21.32  |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.22  | 21.30  | 21.31  | 23                  | 2        |
| 10              | 16QAM  | 50 | 0  | 21.41  | 21.45  | 21.44  |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.35  | 21.52  | 21.41  |                     |          |
| 10              | 64QAM  | 1  | 25 | 21.18  | 21.29  | 21.26  | 23                  | 2        |
| 10              | 64QAM  | 1  | 49 | 21.41  | 21.51  | 21.42  |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.37  | 20.39  | 20.34  |                     |          |
| 10              | 64QAM  | 25 | 12 | 20.33  | 20.30  | 20.20  | 22                  | 3        |
| 10              | 64QAM  | 25 | 25 | 20.25  | 20.34  | 20.36  |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.39  | 20.47  | 20.38  |                     |          |
| 10              | 256QAM | 1  | 0  | 18.33  | 18.56  | 18.49  | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.43  | 18.38  | 18.42  |                     |          |
| 10              | 256QAM | 1  | 49 | 18.40  | 18.45  | 18.32  |                     |          |
| 10              | 256QAM | 25 | 0  | 18.58  | 18.59  | 18.56  | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.49  | 18.43  | 18.41  |                     |          |
| 10              | 256QAM | 25 | 25 | 18.53  | 18.57  | 18.48  |                     |          |



|                 |        |    |    |        |        |        |                     |          |                     |          |
|-----------------|--------|----|----|--------|--------|--------|---------------------|----------|---------------------|----------|
| 10              | 256QAM | 50 | 0  | 18.43  | 18.50  | 18.51  |                     |          |                     |          |
| Channel         |        |    |    | 131997 | 132322 | 132647 | Tune-up limit (dBm) | MPR (dB) |                     |          |
| Frequency (MHz) |        |    |    | 1712.5 | 1745   | 1777.5 |                     |          |                     |          |
| 5               | QPSK   | 1  | 0  | 23.27  | 23.53  | 23.34  | 25                  | 0        |                     |          |
| 5               | QPSK   | 1  | 12 | 23.30  | 23.42  | 23.33  |                     |          |                     |          |
| 5               | QPSK   | 1  | 24 | 23.25  | 23.44  | 23.32  |                     |          |                     |          |
| 5               | QPSK   | 12 | 0  | 22.52  | 22.62  | 22.37  | 24                  | 1        |                     |          |
| 5               | QPSK   | 12 | 7  | 22.41  | 22.41  | 22.34  |                     |          |                     |          |
| 5               | QPSK   | 12 | 13 | 22.26  | 22.31  | 22.29  |                     |          |                     |          |
| 5               | QPSK   | 25 | 0  | 22.34  | 22.46  | 22.19  | 24                  | 1        |                     |          |
| 5               | 16QAM  | 1  | 0  | 22.64  | 22.59  | 22.54  |                     |          |                     |          |
| 5               | 16QAM  | 1  | 12 | 22.42  | 22.47  | 22.36  |                     |          |                     |          |
| 5               | 16QAM  | 1  | 24 | 22.44  | 22.49  | 22.51  | 23                  | 2        |                     |          |
| 5               | 16QAM  | 12 | 0  | 21.39  | 21.52  | 21.36  |                     |          |                     |          |
| 5               | 16QAM  | 12 | 7  | 21.32  | 21.30  | 21.29  |                     |          |                     |          |
| 5               | 16QAM  | 12 | 13 | 21.14  | 21.30  | 21.30  | 23                  | 2        |                     |          |
| 5               | 16QAM  | 25 | 0  | 21.29  | 21.51  | 21.41  |                     |          |                     |          |
| 5               | 64QAM  | 1  | 0  | 21.30  | 21.50  | 21.44  |                     |          |                     |          |
| 5               | 64QAM  | 1  | 12 | 21.25  | 21.43  | 21.29  | 23                  | 2        |                     |          |
| 5               | 64QAM  | 1  | 24 | 21.39  | 21.47  | 21.33  |                     |          |                     |          |
| 5               | 64QAM  | 12 | 0  | 20.34  | 20.54  | 20.35  |                     |          |                     |          |
| 5               | 64QAM  | 12 | 7  | 20.24  | 20.33  | 20.24  | 22                  | 3        |                     |          |
| 5               | 64QAM  | 12 | 13 | 20.20  | 20.29  | 20.35  |                     |          |                     |          |
| 5               | 64QAM  | 25 | 0  | 20.28  | 20.38  | 20.30  |                     |          |                     |          |
| 5               | 256QAM | 1  | 0  | 18.40  | 18.57  | 18.48  | 20                  | 5        |                     |          |
| 5               | 256QAM | 1  | 12 | 18.38  | 18.37  | 18.38  |                     |          |                     |          |
| 5               | 256QAM | 1  | 24 | 18.47  | 18.51  | 18.30  |                     |          |                     |          |
| 5               | 256QAM | 12 | 0  | 18.44  | 18.65  | 18.55  | 20                  | 5        |                     |          |
| 5               | 256QAM | 12 | 7  | 18.52  | 18.55  | 18.53  |                     |          |                     |          |
| 5               | 256QAM | 12 | 13 | 18.53  | 18.53  | 18.37  |                     |          |                     |          |
| 5               | 256QAM | 25 | 0  | 18.41  | 18.55  | 18.49  | 20                  | 5        |                     |          |
| Channel         |        |    |    | 131987 | 132322 | 132657 |                     |          | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 1711.5 | 1745   | 1778.5 |                     |          |                     |          |
| 3               | QPSK   | 1  | 0  | 23.25  | 23.50  | 23.39  | 25                  | 0        |                     |          |
| 3               | QPSK   | 1  | 8  | 23.25  | 23.38  | 23.32  |                     |          |                     |          |
| 3               | QPSK   | 1  | 14 | 23.27  | 23.35  | 23.34  |                     |          |                     |          |
| 3               | QPSK   | 8  | 0  | 22.48  | 22.58  | 22.44  | 24                  | 1        |                     |          |
| 3               | QPSK   | 8  | 4  | 22.33  | 22.42  | 22.33  |                     |          |                     |          |
| 3               | QPSK   | 8  | 7  | 22.26  | 22.37  | 22.26  |                     |          |                     |          |
| 3               | QPSK   | 15 | 0  | 22.34  | 22.36  | 22.27  | 24                  | 1        |                     |          |
| 3               | 16QAM  | 1  | 0  | 22.60  | 22.59  | 22.54  |                     |          |                     |          |
| 3               | 16QAM  | 1  | 8  | 22.32  | 22.51  | 22.42  |                     |          |                     |          |
| 3               | 16QAM  | 1  | 14 | 22.49  | 22.48  | 22.46  | 24                  | 1        |                     |          |
| 3               | 16QAM  | 8  | 0  | 21.38  | 21.39  | 21.41  |                     |          |                     |          |
| 3               | 16QAM  | 8  | 4  | 21.36  | 21.27  | 21.31  |                     |          |                     |          |
| 3               | 16QAM  | 8  | 7  | 21.23  | 21.25  | 21.31  | 23                  | 2        |                     |          |
| 3               | 16QAM  | 15 | 0  | 21.39  | 21.42  | 21.31  |                     |          |                     |          |



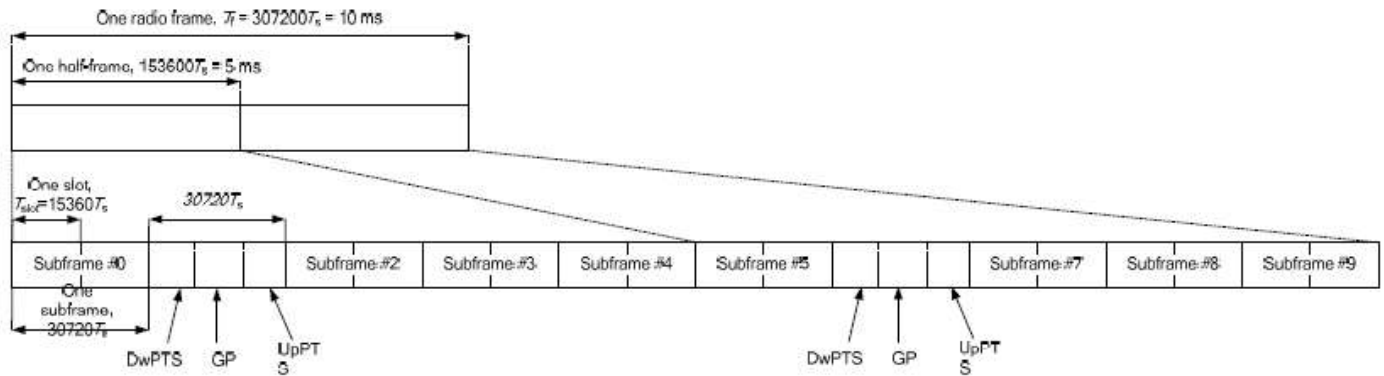
|                 |        |    |    |        |        |        |    |   |
|-----------------|--------|----|----|--------|--------|--------|----|---|
| 3               | 64QAM  | 1  | 0  | 21.36  | 21.47  | 21.51  | 23 | 2 |
| 3               | 64QAM  | 1  | 8  | 21.15  | 21.43  | 21.31  |    |   |
| 3               | 64QAM  | 1  | 14 | 21.35  | 21.51  | 21.34  |    |   |
| 3               | 64QAM  | 8  | 0  | 20.28  | 20.49  | 20.28  | 22 | 3 |
| 3               | 64QAM  | 8  | 4  | 20.31  | 20.31  | 20.25  |    |   |
| 3               | 64QAM  | 8  | 7  | 20.18  | 20.39  | 20.25  |    |   |
| 3               | 64QAM  | 15 | 0  | 20.42  | 20.42  | 20.39  | 20 | 5 |
| 3               | 256QAM | 1  | 0  | 18.31  | 18.55  | 18.45  |    |   |
| 3               | 256QAM | 1  | 8  | 18.41  | 18.38  | 18.39  |    |   |
| 3               | 256QAM | 1  | 14 | 18.39  | 18.48  | 18.38  | 20 | 5 |
| 3               | 256QAM | 8  | 0  | 18.47  | 18.56  | 18.46  |    |   |
| 3               | 256QAM | 8  | 4  | 18.48  | 18.57  | 18.53  |    |   |
| 3               | 256QAM | 8  | 7  | 18.52  | 18.58  | 18.34  | 20 | 5 |
| 3               | 256QAM | 15 | 0  | 18.43  | 18.53  | 18.50  |    |   |
| Channel         |        |    |    | 131979 | 132322 | 132665 |    |   |
| Frequency (MHz) |        |    |    | 1710.7 | 1745   | 1779.3 |    |   |
| 1.4             | QPSK   | 1  | 0  | 23.39  | 23.45  | 23.40  | 25 | 0 |
| 1.4             | QPSK   | 1  | 3  | 23.26  | 23.35  | 23.37  |    |   |
| 1.4             | QPSK   | 1  | 5  | 23.21  | 23.46  | 23.38  |    |   |
| 1.4             | QPSK   | 3  | 0  | 23.55  | 23.49  | 23.42  |    |   |
| 1.4             | QPSK   | 3  | 1  | 23.39  | 23.46  | 23.36  |    |   |
| 1.4             | QPSK   | 3  | 3  | 23.28  | 23.44  | 23.25  | 24 | 1 |
| 1.4             | QPSK   | 6  | 0  | 22.33  | 22.41  | 22.25  |    |   |
| 1.4             | 16QAM  | 1  | 0  | 22.66  | 22.55  | 22.53  | 24 | 1 |
| 1.4             | 16QAM  | 1  | 3  | 22.35  | 22.54  | 22.41  |    |   |
| 1.4             | 16QAM  | 1  | 5  | 22.35  | 22.54  | 22.45  |    |   |
| 1.4             | 16QAM  | 3  | 0  | 22.36  | 22.44  | 22.31  |    |   |
| 1.4             | 16QAM  | 3  | 1  | 22.39  | 22.35  | 22.29  |    |   |
| 1.4             | 16QAM  | 3  | 3  | 22.15  | 22.32  | 22.31  | 23 | 2 |
| 1.4             | 16QAM  | 6  | 0  | 21.42  | 21.47  | 21.41  |    |   |
| 1.4             | 64QAM  | 1  | 0  | 21.42  | 21.55  | 21.39  | 23 | 2 |
| 1.4             | 64QAM  | 1  | 3  | 21.20  | 21.42  | 21.30  |    |   |
| 1.4             | 64QAM  | 1  | 5  | 21.38  | 21.40  | 21.45  |    |   |
| 1.4             | 64QAM  | 3  | 0  | 21.36  | 21.52  | 21.25  |    |   |
| 1.4             | 64QAM  | 3  | 1  | 21.27  | 21.38  | 21.29  |    |   |
| 1.4             | 64QAM  | 3  | 3  | 21.27  | 21.29  | 21.24  | 22 | 3 |
| 1.4             | 64QAM  | 6  | 0  | 20.39  | 20.43  | 20.37  |    |   |
| 1.4             | 256QAM | 1  | 0  | 18.43  | 18.49  | 18.37  |    |   |
| 1.4             | 256QAM | 1  | 3  | 18.29  | 18.40  | 18.33  | 20 | 5 |
| 1.4             | 256QAM | 1  | 5  | 18.49  | 18.41  | 18.33  |    |   |
| 1.4             | 256QAM | 3  | 0  | 18.57  | 18.64  | 18.55  |    |   |
| 1.4             | 256QAM | 3  | 1  | 18.52  | 18.47  | 18.53  |    |   |
| 1.4             | 256QAM | 3  | 3  | 18.54  | 18.57  | 18.39  |    |   |
| 1.4             | 256QAM | 6  | 0  | 18.50  | 18.52  | 18.52  | 20 | 5 |

**<TDD LTE SAR Measurement>**

TDD LTE configuration setup for SAR measurement

SAR was tested with a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by 3GPP.

- a. 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations
- b. "special subframe S" contains both uplink and downlink transmissions, it has been taken into consideration to determine the transmission duty factor according to the worst case uplink and downlink cyclic prefix requirements for UpPTS
- c. Establishing connections with base station simulators ensure a consistent means for testing SAR and recommended for evaluating SAR. The Anritsu MT8820C (firmware: #22.52#004) was used for LTE output power measurements and SAR testing.



**Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity).**

**Table 4.2-2: Uplink-downlink configurations.**

| Uplink-downlink configuration | Downlink-to-Uplink Switch-point periodicity | Subframe number |   |   |   |   |   |   |   |   |   |
|-------------------------------|---|-----------------|---|---|---|---|---|---|---|---|---|
|                               |   | 0               | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 0                             | 5 ms  | D               | S | U | U | U | D | S | U | U | U |
| 1                             | 5 ms  | D               | S | U | U | D | D | S | U | U | D |
| 2                             | 5 ms  | D               | S | U | D | D | D | S | U | D | D |
| 3                             | 10 ms                                       | D               | S | U | U | U | D | D | D | D | D |
| 4                             | 10 ms                                       | D               | S | U | U | D | D | D | D | D | D |
| 5                             | 10 ms                                       | D               | S | U | D | D | D | D | D | D | D |
| 6                             | 5 ms  | D               | S | U | U | U | D | S | U | U | D |

**Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS).**

| Special subframe configuration | Normal cyclic prefix in downlink |                                |                                  | Extended cyclic prefix in downlink |                                |                                  |
|--------------------------------|----------------------------------|--------------------------------|----------------------------------|------------------------------------|--------------------------------|----------------------------------|
|                                | DwPTS                            | UpPTS                          |                                  | DwPTS                              | UpPTS                          |                                  |
|                                |                                  | Normal cyclic prefix in uplink | Extended cyclic prefix in uplink |                                    | Normal cyclic prefix in uplink | Extended cyclic prefix in uplink |
| 0                              | 6592 · Ts                        | 2192 · Ts                      | 2560 · Ts                        | 7680 · Ts                          | 2192 · Ts                      | 2560 · Ts                        |
| 1                              | 19760 · Ts                       |                                |                                  | 20480 · Ts                         |                                |                                  |
| 2                              | 21952 · Ts                       |                                |                                  | 23040 · Ts                         |                                |                                  |
| 3                              | 24144 · Ts                       |                                |                                  | 25600 · Ts                         |                                |                                  |
| 4                              | 26336 · Ts                       | 4384 · Ts                      | 5120 · Ts                        | 7680 · Ts                          | 4384 · Ts                      | 5120 · Ts                        |
| 5                              | 6592 · Ts                        |                                |                                  | 20480 · Ts                         |                                |                                  |
| 6                              | 19760 · Ts                       |                                |                                  | 23040 · Ts                         |                                |                                  |
| 7                              | 21952 · Ts                       |                                |                                  | 12800 · Ts                         |                                |                                  |
| 8                              | 24144 · Ts                       |                                |                                  | -                                  |                                |                                  |
| 9                              | 13168 · Ts                       | -                              | -                                | -                                  | -                              | -                                |



| Special subframe (30720·T <sub>s</sub> ): Normal cyclic prefix in downlink (UpPTS) |                                |                                |                                  |
|--|--------------------------------|--------------------------------|----------------------------------|
|  | Special subframe configuration | Normal cyclic prefix in uplink | Extended cyclic prefix in uplink |
| Uplink duty factor in one special subframe   | 0~4                            | 7.13%                          | 8.33%                            |
|  | 5~9                            | 14.3%                          | 16.7%                            |

| Special subframe(30720·T <sub>s</sub> ): Extended cyclic prefix in downlink (UpPTS) |                                |                                |                                  |
|---|--------------------------------|--------------------------------|----------------------------------|
|   | Special subframe configuration | Normal cyclic prefix in uplink | Extended cyclic prefix in uplink |
| Uplink duty factor in one special subframe  | 0~3                            | 7.13%                          | 8.33%                            |
|   | 4~7                            | 14.3%                          | 16.7%                            |

The highest duty factor is resulted from:

For LTE TDD Power class 2

- i. Uplink-downlink configuration: 1. In a half-frame consisted of 5 subframes, uplink operation is in 2 uplink subframes and 1 special subframe.
- ii. special subframe configuration: 5-9 for normal cyclic prefix in downlink, 4-7 for extended cyclic prefix in downlink
- iii. for special subframe with extended cyclic prefix in uplink, the total uplink duty factor in one half-frame is:  $(2+0.167)/5 = 43.3\%$
- iv. for special subframe with normal cyclic prefix in uplink, the total uplink duty factor in one half-frame is:  $(2+0.143)/5 = 42.9\%$
- v. For TDD LTE SAR measurement, the duty cycle 1:2.33 (42.9 %) was used perform testing and considering the theoretical duty cycle of 43.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 42.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix  $43.3\%/42.9\% = 1.009$  is applied to scale-up the measured SAR result. The scaled TDD LTE SAR = measured SAR (W/kg)\* Tune-up Scaling Factor\* scaling factor for extended cyclic prefix.

For LTE TDD Power class 3

- i. Uplink-downlink configuration: 0. In a half-frame consisted of 5 subframes, uplink operation is in 3 uplink subframes and 1 special subframe.
- ii. special subframe configuration: 5-9 for normal cyclic prefix in downlink, 4-7 for extended cyclic prefix in downlink
- iii. for special subframe with extended cyclic prefix in uplink, the total uplink duty factor in one half-frame is:  $(3+0.167)/5 = 63.3\%$
- iv. for special subframe with normal cyclic prefix in uplink, the total uplink duty factor in one half-frame is:  $(3+0.143)/5 = 62.9\%$
- v. For TDD LTE SAR measurement, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix  $63.3\%/62.9\% = 1.006$  is applied to scale-up the measured SAR result. The scaled TDD LTE SAR = measured SAR (W/kg)\* Tune-up Scaling Factor\* scaling factor for extended cyclic prefix.

The device can adjust uplink/downlink configuration automatically according to the transmitting power class level, as followings:

| LTE TDD Band | Power Class level | support uplink/downlink configuration |
|--------------|-------------------|---------------------------------------|
| LTE Band 41  | > 23              | 1,2,3,4,5                             |
|              | =23               | 0,1,2,3,4,5,6                         |
|              | < 23              | 0,1,2,3,4,5,6                         |





Default Power Mode

| Band 38 Ant2 Default |            |         |           |                       |                          |                        |                     |          |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel              |            |         |           | 37850                 | 38000                    | 38150                  |                     |          |
| Frequency (MHz)      |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |
| 20                   | QPSK       | 1       | 0         | 23.79                 | 23.90                    | 23.88                  | 25                  | 0        |
| 20                   | QPSK       | 1       | 49        | 23.68                 | 23.83                    | 23.77                  |                     |          |
| 20                   | QPSK       | 1       | 99        | 23.71                 | 23.88                    | 23.71                  |                     |          |
| 20                   | QPSK       | 50      | 0         | 22.88                 | 23.00                    | 22.86                  | 24                  | 1        |
| 20                   | QPSK       | 50      | 24        | 22.90                 | 22.95                    | 22.78                  |                     |          |
| 20                   | QPSK       | 50      | 50        | 22.80                 | 22.85                    | 22.70                  |                     |          |
| 20                   | QPSK       | 100     | 0         | 22.79                 | 22.91                    | 22.88                  | 24                  | 1        |
| 20                   | 16QAM      | 1       | 0         | 22.92                 | 23.06                    | 23.01                  |                     |          |
| 20                   | 16QAM      | 1       | 49        | 22.90                 | 22.97                    | 22.86                  |                     |          |
| 20                   | 16QAM      | 1       | 99        | 22.87                 | 22.99                    | 22.84                  | 23                  | 2        |
| 20                   | 16QAM      | 50      | 0         | 21.92                 | 21.99                    | 21.83                  |                     |          |
| 20                   | 16QAM      | 50      | 24        | 21.81                 | 21.88                    | 21.81                  |                     |          |
| 20                   | 16QAM      | 50      | 50        | 21.85                 | 21.90                    | 21.75                  | 23                  | 2        |
| 20                   | 16QAM      | 100     | 0         | 21.76                 | 21.92                    | 21.85                  |                     |          |
| 20                   | 64QAM      | 1       | 0         | 21.65                 | 21.79                    | 21.73                  |                     |          |
| 20                   | 64QAM      | 1       | 49        | 21.56                 | 21.62                    | 21.58                  | 23                  | 2        |
| 20                   | 64QAM      | 1       | 99        | 21.62                 | 21.69                    | 21.61                  |                     |          |
| 20                   | 64QAM      | 50      | 0         | 20.97                 | 21.00                    | 20.94                  |                     |          |
| 20                   | 64QAM      | 50      | 24        | 20.68                 | 20.83                    | 20.76                  | 22                  | 3        |
| 20                   | 64QAM      | 50      | 50        | 20.79                 | 20.89                    | 20.78                  |                     |          |
| 20                   | 64QAM      | 100     | 0         | 20.87                 | 20.93                    | 20.77                  |                     |          |
| 20                   | 256QAM     | 1       | 0         | 18.72                 | 18.99                    | 18.80                  | 20                  | 5        |
| 20                   | 256QAM     | 1       | 49        | 18.82                 | 18.84                    | 18.87                  |                     |          |
| 20                   | 256QAM     | 1       | 99        | 18.86                 | 18.84                    | 18.82                  |                     |          |
| 20                   | 256QAM     | 50      | 0         | 19.00                 | 19.09                    | 18.98                  | 20                  | 5        |
| 20                   | 256QAM     | 50      | 24        | 18.85                 | 18.95                    | 18.82                  |                     |          |
| 20                   | 256QAM     | 50      | 50        | 18.97                 | 18.95                    | 18.84                  |                     |          |
| 20                   | 256QAM     | 100     | 0         | 18.94                 | 18.94                    | 18.88                  |                     |          |
| Channel              |            |         |           | 37825                 | 38000                    | 38175                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)      |            |         |           | 2577.5                | 2595                     | 2612.5                 |                     |          |
| 15                   | QPSK       | 1       | 0         | 23.62                 | 23.76                    | 23.75                  | 25                  | 0        |
| 15                   | QPSK       | 1       | 37        | 23.59                 | 23.67                    | 23.63                  |                     |          |
| 15                   | QPSK       | 1       | 74        | 23.55                 | 23.76                    | 23.56                  |                     |          |
| 15                   | QPSK       | 36      | 0         | 22.77                 | 22.97                    | 22.69                  | 24                  | 1        |
| 15                   | QPSK       | 36      | 20        | 22.84                 | 22.88                    | 22.70                  |                     |          |
| 15                   | QPSK       | 36      | 39        | 22.67                 | 22.83                    | 22.57                  |                     |          |
| 15                   | QPSK       | 75      | 0         | 22.70                 | 22.76                    | 22.75                  | 24                  | 1        |
| 15                   | 16QAM      | 1       | 0         | 22.84                 | 22.97                    | 22.92                  |                     |          |
| 15                   | 16QAM      | 1       | 37        | 22.75                 | 22.87                    | 22.78                  |                     |          |
| 15                   | 16QAM      | 1       | 74        | 22.71                 | 22.94                    | 22.77                  |                     |          |



**FCC SAR Test Report**

**Report No. : FA311602**

|                 |        |    |    |       |       |       |                     |          |         |     |
|-----------------|--------|----|----|-------|-------|-------|---------------------|----------|---------|-----|
| 15              | 16QAM  | 36 | 0  | 21.84 | 21.91 | 21.70 | 23                  | 2        |         |     |
| 15              | 16QAM  | 36 | 20 | 21.74 | 21.76 | 21.77 |                     |          |         |     |
| 15              | 16QAM  | 36 | 39 | 21.77 | 21.81 | 21.63 |                     |          |         |     |
| 15              | 16QAM  | 75 | 0  | 21.63 | 21.79 | 21.80 | 23                  | 2        |         |     |
| 15              | 64QAM  | 1  | 0  | 21.51 | 21.69 | 21.69 |                     |          |         |     |
| 15              | 64QAM  | 1  | 37 | 21.42 | 21.47 | 21.54 |                     |          |         |     |
| 15              | 64QAM  | 1  | 74 | 21.58 | 21.62 | 21.55 | 22                  | 3        |         |     |
| 15              | 64QAM  | 36 | 0  | 20.82 | 20.95 | 20.83 |                     |          |         |     |
| 15              | 64QAM  | 36 | 20 | 20.54 | 20.76 | 20.62 |                     |          |         |     |
| 15              | 64QAM  | 36 | 39 | 20.64 | 20.85 | 20.65 | 20                  | 5        |         |     |
| 15              | 64QAM  | 75 | 0  | 20.72 | 20.79 | 20.70 |                     |          |         |     |
| 15              | 256QAM | 1  | 0  | 18.75 | 18.99 | 18.82 |                     |          |         |     |
| 15              | 256QAM | 1  | 37 | 18.80 | 18.77 | 18.88 | 20                  | 5        |         |     |
| 15              | 256QAM | 1  | 74 | 18.90 | 18.94 | 18.81 |                     |          |         |     |
| 15              | 256QAM | 36 | 0  | 18.99 | 19.08 | 18.97 |                     |          |         |     |
| 15              | 256QAM | 36 | 20 | 18.93 | 18.98 | 18.83 | 20                  | 5        |         |     |
| 15              | 256QAM | 36 | 39 | 18.91 | 18.98 | 18.91 |                     |          |         |     |
| 15              | 256QAM | 75 | 0  | 18.85 | 19.02 | 18.93 |                     |          |         |     |
| Channel         |        |    |    | 37800 | 38000 | 38200 | Tune-up limit (dBm) | MPR (dB) |         |     |
| Frequency (MHz) |        |    |    | 2575  | 2595  | 2615  |                     |          |         |     |
| 10              | QPSK   | 1  | 0  | 23.69 | 23.81 | 23.76 | 25                  | 0        |         |     |
| 10              | QPSK   | 1  | 25 | 23.62 | 23.66 | 23.67 |                     |          |         |     |
| 10              | QPSK   | 1  | 49 | 23.57 | 23.72 | 23.56 |                     |          |         |     |
| 10              | QPSK   | 25 | 0  | 22.76 | 22.91 | 22.82 | 24                  | 1        |         |     |
| 10              | QPSK   | 25 | 12 | 22.86 | 22.90 | 22.70 |                     |          |         |     |
| 10              | QPSK   | 25 | 25 | 22.66 | 22.78 | 22.63 |                     |          |         |     |
| 10              | QPSK   | 50 | 0  | 22.77 | 22.77 | 22.83 | 24                  | 1        |         |     |
| 10              | 16QAM  | 1  | 0  | 22.90 | 23.03 | 22.95 |                     |          |         |     |
| 10              | 16QAM  | 1  | 25 | 22.79 | 22.88 | 22.78 |                     |          |         |     |
| 10              | 16QAM  | 1  | 49 | 22.84 | 22.91 | 22.67 | 23                  | 2        |         |     |
| 10              | 16QAM  | 25 | 0  | 21.87 | 21.83 | 21.71 |                     |          |         |     |
| 10              | 16QAM  | 25 | 12 | 21.77 | 21.83 | 21.75 |                     |          |         |     |
| 10              | 16QAM  | 25 | 25 | 21.70 | 21.80 | 21.63 | 23                  | 2        |         |     |
| 10              | 16QAM  | 50 | 0  | 21.73 | 21.86 | 21.79 |                     |          |         |     |
| 10              | 64QAM  | 1  | 0  | 21.61 | 21.67 | 21.64 |                     |          |         |     |
| 10              | 64QAM  | 1  | 25 | 21.50 | 21.54 | 21.44 | 23                  | 2        |         |     |
| 10              | 64QAM  | 1  | 49 | 21.49 | 21.54 | 21.50 |                     |          |         |     |
| 10              | 64QAM  | 25 | 0  | 20.92 | 20.83 | 20.86 |                     |          |         |     |
| 10              | 64QAM  | 25 | 12 | 20.59 | 20.70 | 20.70 | 22                  | 3        |         |     |
| 10              | 64QAM  | 25 | 25 | 20.67 | 20.82 | 20.62 |                     |          |         |     |
| 10              | 64QAM  | 50 | 0  | 20.70 | 20.82 | 20.75 |                     |          |         |     |
| 10              | 256QAM | 1  | 0  | 18.75 | 18.88 | 18.78 | 20                  | 5        |         |     |
| 10              | 256QAM | 1  | 25 | 18.77 | 18.81 | 18.87 |                     |          |         |     |
| 10              | 256QAM | 1  | 49 | 18.86 | 18.82 | 18.78 |                     |          |         |     |
| 10              | 256QAM | 25 | 0  | 18.93 | 19.06 | 18.86 | 20                  | 5        |         |     |
| 10              | 256QAM | 25 | 12 | 18.84 | 18.89 | 18.87 |                     |          |         |     |
| 10              | 256QAM | 25 | 25 | 18.94 | 18.95 | 18.86 |                     |          |         |     |
| 10              | 256QAM | 50 | 0  | 18.94 | 18.91 | 18.87 | 20                  | 5        |         |     |
| Channel         |        |    |    | 37775 | 38000 | 38225 |                     |          | Tune-up | MPR |



| Frequency (MHz) |        |    |    | 2572.5 | 2595  | 2617.5 | limit (dBm) | (dB) |
|-----------------|--------|----|----|--------|-------|--------|-------------|------|
| 5               | QPSK   | 1  | 0  | 23.76  | 23.75 | 23.77  | 25          | 0    |
| 5               | QPSK   | 1  | 12 | 23.60  | 23.76 | 23.66  |             |      |
| 5               | QPSK   | 1  | 24 | 23.55  | 23.79 | 23.57  |             |      |
| 5               | QPSK   | 12 | 0  | 22.77  | 22.92 | 22.74  | 24          | 1    |
| 5               | QPSK   | 12 | 7  | 22.74  | 22.86 | 22.70  |             |      |
| 5               | QPSK   | 12 | 13 | 22.77  | 22.76 | 22.53  |             |      |
| 5               | QPSK   | 25 | 0  | 22.75  | 22.82 | 22.72  |             |      |
| 5               | 16QAM  | 1  | 0  | 22.80  | 23.00 | 22.92  | 24          | 1    |
| 5               | 16QAM  | 1  | 12 | 22.81  | 22.90 | 22.84  |             |      |
| 5               | 16QAM  | 1  | 24 | 22.81  | 22.87 | 22.76  |             |      |
| 5               | 16QAM  | 12 | 0  | 21.83  | 21.91 | 21.67  | 23          | 2    |
| 5               | 16QAM  | 12 | 7  | 21.76  | 21.84 | 21.78  |             |      |
| 5               | 16QAM  | 12 | 13 | 21.82  | 21.78 | 21.61  |             |      |
| 5               | 16QAM  | 25 | 0  | 21.71  | 21.81 | 21.69  |             |      |
| 5               | 64QAM  | 1  | 0  | 21.56  | 21.69 | 21.66  | 23          | 2    |
| 5               | 64QAM  | 1  | 12 | 21.50  | 21.56 | 21.47  |             |      |
| 5               | 64QAM  | 1  | 24 | 21.55  | 21.59 | 21.50  |             |      |
| 5               | 64QAM  | 12 | 0  | 20.80  | 20.95 | 20.86  | 22          | 3    |
| 5               | 64QAM  | 12 | 7  | 20.64  | 20.68 | 20.71  |             |      |
| 5               | 64QAM  | 12 | 13 | 20.74  | 20.87 | 20.70  |             |      |
| 5               | 64QAM  | 25 | 0  | 20.83  | 20.86 | 20.62  |             |      |
| 5               | 256QAM | 1  | 0  | 18.77  | 18.91 | 18.91  | 20          | 5    |
| 5               | 256QAM | 1  | 12 | 18.80  | 18.80 | 18.87  |             |      |
| 5               | 256QAM | 1  | 24 | 18.81  | 18.83 | 18.67  |             |      |
| 5               | 256QAM | 12 | 0  | 18.96  | 18.99 | 18.87  | 20          | 5    |
| 5               | 256QAM | 12 | 7  | 18.89  | 18.97 | 18.85  |             |      |
| 5               | 256QAM | 12 | 13 | 18.86  | 18.99 | 18.83  |             |      |
| 5               | 256QAM | 25 | 0  | 18.92  | 18.95 | 18.85  |             |      |



| Band 41 Ant2 Default |            |         |           |                       |                              |                          |                               |                        |                     |          |
|----------------------|------------|---------|-----------|-----------------------|------------------------------|--------------------------|-------------------------------|------------------------|---------------------|----------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel              |            |         |           | 39750                 | 40185                        | 40620                    | 41055                         | 41490                  |                     |          |
| Frequency (MHz)      |            |         |           | 2506                  | 2549.5                       | 2593                     | 2636.5                        | 2680                   |                     |          |
| 20                   | QPSK       | 1       | 0         | 23.59                 | 23.61                        | 23.93                    | 23.79                         | 23.72                  | 25                  | 0        |
| 20                   | QPSK       | 1       | 49        | 23.62                 | 23.69                        | 23.76                    | 23.64                         | 23.60                  |                     |          |
| 20                   | QPSK       | 1       | 99        | 23.80                 | 23.80                        | 23.84                    | 23.70                         | 23.67                  |                     |          |
| 20                   | QPSK       | 50      | 0         | 22.91                 | 22.89                        | 22.99                    | 22.94                         | 22.85                  | 24                  | 1        |
| 20                   | QPSK       | 50      | 24        | 22.82                 | 22.77                        | 22.90                    | 22.77                         | 22.77                  |                     |          |
| 20                   | QPSK       | 50      | 50        | 22.80                 | 22.81                        | 22.87                    | 22.85                         | 22.78                  |                     |          |
| 20                   | QPSK       | 100     | 0         | 22.77                 | 22.78                        | 22.91                    | 22.84                         | 22.82                  | 24                  | 1        |
| 20                   | 16QAM      | 1       | 0         | 23.04                 | 23.02                        | 23.06                    | 22.92                         | 23.04                  |                     |          |
| 20                   | 16QAM      | 1       | 49        | 22.85                 | 22.99                        | 23.04                    | 22.91                         | 22.96                  |                     |          |
| 20                   | 16QAM      | 1       | 99        | 22.94                 | 22.87                        | 23.02                    | 22.85                         | 22.79                  | 23                  | 2        |
| 20                   | 16QAM      | 50      | 0         | 21.93                 | 21.98                        | 22.03                    | 21.89                         | 21.93                  |                     |          |
| 20                   | 16QAM      | 50      | 24        | 21.93                 | 21.78                        | 21.88                    | 21.74                         | 21.93                  |                     |          |
| 20                   | 16QAM      | 50      | 50        | 21.83                 | 21.91                        | 21.95                    | 21.81                         | 21.83                  | 23                  | 2        |
| 20                   | 16QAM      | 100     | 0         | 21.83                 | 21.86                        | 21.94                    | 21.81                         | 21.92                  |                     |          |
| 20                   | 64QAM      | 1       | 0         | 21.68                 | 21.60                        | 21.74                    | 21.61                         | 21.59                  |                     |          |
| 20                   | 64QAM      | 1       | 49        | 21.52                 | 21.45                        | 21.61                    | 21.53                         | 21.62                  | 23                  | 2        |
| 20                   | 64QAM      | 1       | 99        | 21.53                 | 21.63                        | 21.70                    | 21.63                         | 21.50                  |                     |          |
| 20                   | 64QAM      | 50      | 0         | 20.92                 | 20.89                        | 21.02                    | 20.86                         | 20.95                  |                     |          |
| 20                   | 64QAM      | 50      | 24        | 20.80                 | 20.87                        | 20.92                    | 20.77                         | 20.82                  | 22                  | 3        |
| 20                   | 64QAM      | 50      | 50        | 20.87                 | 20.79                        | 20.90                    | 20.77                         | 20.88                  |                     |          |
| 20                   | 64QAM      | 100     | 0         | 20.86                 | 20.77                        | 20.92                    | 20.82                         | 20.79                  |                     |          |
| 20                   | 256QAM     | 1       | 0         | 18.64                 | 18.64                        | 18.98                    | 18.83                         | 18.77                  | 20                  | 5        |
| 20                   | 256QAM     | 1       | 49        | 18.69                 | 18.69                        | 18.83                    | 18.66                         | 18.67                  |                     |          |
| 20                   | 256QAM     | 1       | 99        | 18.80                 | 18.84                        | 18.88                    | 18.70                         | 18.73                  |                     |          |
| 20                   | 256QAM     | 50      | 0         | 18.95                 | 18.90                        | 18.97                    | 18.95                         | 18.86                  | 20                  | 5        |
| 20                   | 256QAM     | 50      | 24        | 18.88                 | 18.76                        | 18.95                    | 18.83                         | 18.84                  |                     |          |
| 20                   | 256QAM     | 50      | 50        | 18.76                 | 18.88                        | 18.97                    | 18.87                         | 18.82                  |                     |          |
| 20                   | 256QAM     | 100     | 0         | 18.74                 | 18.87                        | 18.90                    | 18.83                         | 18.85                  |                     |          |
| Channel              |            |         |           | 39725                 | 40173                        | 40620                    | 41068                         | 41515                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)      |            |         |           | 2503.5                | 2548.3                       | 2593                     | 2637.8                        | 2682.5                 |                     |          |
| 15                   | QPSK       | 1       | 0         | 23.56                 | 23.57                        | 23.91                    | 23.62                         | 23.63                  | 25                  | 0        |
| 15                   | QPSK       | 1       | 37        | 23.48                 | 23.67                        | 23.73                    | 23.59                         | 23.53                  |                     |          |
| 15                   | QPSK       | 1       | 74        | 23.64                 | 23.76                        | 23.82                    | 23.67                         | 23.59                  |                     |          |
| 15                   | QPSK       | 36      | 0         | 22.84                 | 22.78                        | 22.97                    | 22.83                         | 22.72                  | 24                  | 1        |
| 15                   | QPSK       | 36      | 20        | 22.69                 | 22.70                        | 22.76                    | 22.70                         | 22.63                  |                     |          |
| 15                   | QPSK       | 36      | 39        | 22.76                 | 22.77                        | 22.81                    | 22.78                         | 22.73                  |                     |          |
| 15                   | QPSK       | 75      | 0         | 22.63                 | 22.72                        | 22.82                    | 22.80                         | 22.65                  | 24                  | 1        |
| 15                   | 16QAM      | 1       | 0         | 23.00                 | 22.89                        | 23.03                    | 22.87                         | 22.88                  |                     |          |
| 15                   | 16QAM      | 1       | 37        | 22.72                 | 22.82                        | 22.93                    | 22.85                         | 22.83                  |                     |          |
| 15                   | 16QAM      | 1       | 74        | 22.86                 | 22.82                        | 22.95                    | 22.79                         | 22.65                  |                     |          |



**FCC SAR Test Report**

**Report No. : FA311602**

|                 |        |    |    |       |       |       |       |       |                     |          |
|-----------------|--------|----|----|-------|-------|-------|-------|-------|---------------------|----------|
| 15              | 16QAM  | 36 | 0  | 21.86 | 21.93 | 22.00 | 21.82 | 21.90 | 23                  | 2        |
| 15              | 16QAM  | 36 | 20 | 21.87 | 21.73 | 21.83 | 21.68 | 21.85 |                     |          |
| 15              | 16QAM  | 36 | 39 | 21.67 | 21.87 | 21.90 | 21.79 | 21.66 |                     |          |
| 15              | 16QAM  | 75 | 0  | 21.71 | 21.73 | 21.87 | 21.75 | 21.77 | 23                  | 2        |
| 15              | 64QAM  | 1  | 0  | 21.65 | 21.54 | 21.67 | 21.49 | 21.45 |                     |          |
| 15              | 64QAM  | 1  | 37 | 21.41 | 21.40 | 21.56 | 21.38 | 21.58 |                     |          |
| 15              | 64QAM  | 1  | 74 | 21.42 | 21.48 | 21.64 | 21.49 | 21.34 | 22                  | 3        |
| 15              | 64QAM  | 36 | 0  | 20.81 | 20.78 | 20.90 | 20.74 | 20.91 |                     |          |
| 15              | 64QAM  | 36 | 20 | 20.77 | 20.79 | 20.77 | 20.64 | 20.79 |                     |          |
| 15              | 64QAM  | 36 | 39 | 20.77 | 20.67 | 20.79 | 20.71 | 20.84 | 20                  | 5        |
| 15              | 64QAM  | 75 | 0  | 20.77 | 20.75 | 20.83 | 20.78 | 20.71 |                     |          |
| 15              | 256QAM | 1  | 0  | 18.58 | 18.61 | 18.92 | 18.82 | 18.69 |                     |          |
| 15              | 256QAM | 1  | 37 | 18.67 | 18.74 | 18.83 | 18.73 | 18.63 | 20                  | 5        |
| 15              | 256QAM | 1  | 74 | 18.81 | 18.80 | 18.84 | 18.76 | 18.69 |                     |          |
| 15              | 256QAM | 36 | 0  | 18.87 | 18.85 | 19.06 | 18.89 | 18.92 |                     |          |
| 15              | 256QAM | 36 | 20 | 18.81 | 18.73 | 18.94 | 18.77 | 18.86 | 20                  | 5        |
| 15              | 256QAM | 36 | 39 | 18.75 | 18.85 | 18.87 | 18.84 | 18.84 |                     |          |
| 15              | 256QAM | 75 | 0  | 18.87 | 18.81 | 18.98 | 18.83 | 18.87 |                     |          |
| Channel         |        |    |    | 39700 | 40160 | 40620 | 41080 | 41540 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |        |    |    | 2501  | 2547  | 2593  | 2639  | 2685  |                     |          |
| 10              | QPSK   | 1  | 0  | 23.44 | 23.49 | 23.80 | 23.67 | 23.56 | 25.00               | 0        |
| 10              | QPSK   | 1  | 25 | 23.53 | 23.58 | 23.65 | 23.49 | 23.45 |                     |          |
| 10              | QPSK   | 1  | 49 | 23.70 | 23.72 | 23.79 | 23.59 | 23.52 |                     |          |
| 10              | QPSK   | 25 | 0  | 22.74 | 22.77 | 22.95 | 22.85 | 22.77 | 24                  | 1        |
| 10              | QPSK   | 25 | 12 | 22.74 | 22.63 | 22.78 | 22.64 | 22.60 |                     |          |
| 10              | QPSK   | 25 | 25 | 22.72 | 22.64 | 22.83 | 22.76 | 22.69 |                     |          |
| 10              | QPSK   | 50 | 0  | 22.65 | 22.71 | 22.86 | 22.69 | 22.68 | 24                  | 1        |
| 10              | 16QAM  | 1  | 0  | 23.01 | 22.98 | 22.93 | 22.82 | 22.96 |                     |          |
| 10              | 16QAM  | 1  | 25 | 22.78 | 22.86 | 22.99 | 22.80 | 22.88 |                     |          |
| 10              | 16QAM  | 1  | 49 | 22.85 | 22.80 | 22.94 | 22.68 | 22.68 | 23                  | 2        |
| 10              | 16QAM  | 25 | 0  | 21.79 | 21.88 | 21.89 | 21.78 | 21.82 |                     |          |
| 10              | 16QAM  | 25 | 12 | 21.87 | 21.70 | 21.82 | 21.64 | 21.80 |                     |          |
| 10              | 16QAM  | 25 | 25 | 21.74 | 21.77 | 21.83 | 21.77 | 21.75 | 23                  | 2        |
| 10              | 16QAM  | 50 | 0  | 21.70 | 21.82 | 21.80 | 21.71 | 21.85 |                     |          |
| 10              | 64QAM  | 1  | 0  | 21.60 | 21.47 | 21.64 | 21.50 | 21.45 |                     |          |
| 10              | 64QAM  | 1  | 25 | 21.38 | 21.33 | 21.56 | 21.44 | 21.47 | 23                  | 2        |
| 10              | 64QAM  | 1  | 49 | 21.47 | 21.51 | 21.58 | 21.61 | 21.42 |                     |          |
| 10              | 64QAM  | 25 | 0  | 20.76 | 20.75 | 20.94 | 20.76 | 20.79 |                     |          |
| 10              | 64QAM  | 25 | 12 | 20.70 | 20.83 | 20.88 | 20.69 | 20.75 | 22                  | 3        |
| 10              | 64QAM  | 25 | 25 | 20.79 | 20.63 | 20.75 | 20.62 | 20.86 |                     |          |
| 10              | 64QAM  | 50 | 0  | 20.79 | 20.63 | 20.84 | 20.68 | 20.74 |                     |          |
| 10              | 256QAM | 1  | 0  | 18.62 | 18.67 | 18.92 | 18.75 | 18.73 | 20                  | 5        |
| 10              | 256QAM | 1  | 25 | 18.70 | 18.71 | 18.76 | 18.60 | 18.66 |                     |          |
| 10              | 256QAM | 1  | 49 | 18.81 | 18.79 | 18.80 | 18.69 | 18.76 |                     |          |
| 10              | 256QAM | 25 | 0  | 19.01 | 18.97 | 18.99 | 18.97 | 18.89 | 20                  | 5        |
| 10              | 256QAM | 25 | 12 | 18.90 | 18.75 | 18.93 | 18.75 | 18.86 |                     |          |
| 10              | 256QAM | 25 | 25 | 18.84 | 18.81 | 18.93 | 18.82 | 18.84 |                     |          |
| 10              | 256QAM | 50 | 0  | 18.87 | 18.79 | 18.89 | 18.84 | 18.89 | 20                  | 5        |
| Channel         |        |    |    | 39675 | 40148 | 40620 | 41093 | 41565 |                     |          |



| Frequency (MHz) |        |    |    | 2498.5 | 2545.8 | 2593  | 2640.30 | 2687.5 | limit (dBm) | (dB) |
|-----------------|--------|----|----|--------|--------|-------|---------|--------|-------------|------|
| 5               | QPSK   | 1  | 0  | 23.54  | 23.47  | 23.88 | 23.69   | 23.66  | 25.00       | 0    |
| 5               | QPSK   | 1  | 12 | 23.50  | 23.58  | 23.72 | 23.60   | 23.57  |             |      |
| 5               | QPSK   | 1  | 24 | 23.71  | 23.63  | 23.72 | 23.54   | 23.58  |             |      |
| 5               | QPSK   | 12 | 0  | 22.84  | 22.73  | 22.88 | 22.77   | 22.82  | 24          | 1    |
| 5               | QPSK   | 12 | 7  | 22.67  | 22.70  | 22.75 | 22.67   | 22.74  |             |      |
| 5               | QPSK   | 12 | 13 | 22.66  | 22.66  | 22.75 | 22.80   | 22.71  |             |      |
| 5               | QPSK   | 25 | 0  | 22.70  | 22.75  | 22.80 | 22.77   | 22.74  | 24          | 1    |
| 5               | 16QAM  | 1  | 0  | 22.98  | 22.98  | 22.93 | 22.78   | 22.99  |             |      |
| 5               | 16QAM  | 1  | 12 | 22.71  | 22.97  | 22.88 | 22.84   | 22.87  |             |      |
| 5               | 16QAM  | 1  | 24 | 22.80  | 22.83  | 22.93 | 22.69   | 22.69  | 23          | 2    |
| 5               | 16QAM  | 12 | 0  | 21.89  | 21.88  | 21.97 | 21.74   | 21.90  |             |      |
| 5               | 16QAM  | 12 | 7  | 21.78  | 21.63  | 21.72 | 21.59   | 21.87  |             |      |
| 5               | 16QAM  | 12 | 13 | 21.78  | 21.80  | 21.88 | 21.76   | 21.73  | 23          | 2    |
| 5               | 16QAM  | 25 | 0  | 21.68  | 21.73  | 21.83 | 21.71   | 21.84  |             |      |
| 5               | 64QAM  | 1  | 0  | 21.53  | 21.44  | 21.69 | 21.46   | 21.49  |             |      |
| 5               | 64QAM  | 1  | 12 | 21.38  | 21.29  | 21.55 | 21.43   | 21.49  | 22          | 3    |
| 5               | 64QAM  | 1  | 24 | 21.46  | 21.55  | 21.55 | 21.50   | 21.46  |             |      |
| 5               | 64QAM  | 12 | 0  | 20.83  | 20.72  | 20.98 | 20.69   | 20.89  |             |      |
| 5               | 64QAM  | 12 | 7  | 20.73  | 20.81  | 20.82 | 20.75   | 20.68  | 20          | 5    |
| 5               | 64QAM  | 12 | 13 | 20.79  | 20.64  | 20.80 | 20.63   | 20.86  |             |      |
| 5               | 64QAM  | 25 | 0  | 20.84  | 20.68  | 20.78 | 20.75   | 20.77  |             |      |
| 5               | 256QAM | 1  | 0  | 18.55  | 18.67  | 18.93 | 18.85   | 18.80  | 20          | 5    |
| 5               | 256QAM | 1  | 12 | 18.71  | 18.73  | 18.80 | 18.65   | 18.70  |             |      |
| 5               | 256QAM | 1  | 24 | 18.78  | 18.84  | 18.92 | 18.72   | 18.76  |             |      |
| 5               | 256QAM | 12 | 0  | 18.89  | 18.93  | 18.96 | 18.97   | 18.86  | 20          | 5    |
| 5               | 256QAM | 12 | 7  | 18.78  | 18.79  | 18.91 | 18.77   | 18.76  |             |      |
| 5               | 256QAM | 12 | 13 | 18.76  | 18.78  | 18.83 | 18.86   | 18.85  |             |      |
| 5               | 256QAM | 25 | 0  | 18.75  | 18.79  | 18.90 | 18.87   | 18.81  |             |      |