

| Band 2 Ant 1 Full power |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |  |  |
|-------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|--|--|--|--|--|
| 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                 |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |  |  |
| Frequency (MHz)         |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |  |  |
| 20                      | QPSK       | 1       | 0         | 23.79                 | 23.97                    | 23.84                  | 25                  | 0        |  |  |  |  |  |  |  |
| 20                      | QPSK       | 1       | 49        | 23.75                 | 23.86                    | 23.80                  |                     |          |  |  |  |  |  |  |  |
| 20                      | QPSK       | 1       | 99        | 23.69                 | 23.87                    | 23.74                  | 24                  | 1        |  |  |  |  |  |  |  |
| 20                      | QPSK       | 50      | 0         | 22.92                 | 22.96                    | 22.87                  |                     |          |  |  |  |  |  |  |  |
| 20                      | QPSK       | 50      | 24        | 22.82                 | 22.93                    | 22.76                  | 24                  | 1        |  |  |  |  |  |  |  |
| 20                      | QPSK       | 50      | 50        | 22.89                 | 22.87                    | 22.79                  |                     |          |  |  |  |  |  |  |  |
| 20                      | QPSK       | 100     | 0         | 22.90                 | 22.93                    | 22.83                  | 24                  | 1        |  |  |  |  |  |  |  |
| 20                      | 16QAM      | 1       | 0         | 22.93                 | 23.02                    | 22.92                  |                     |          |  |  |  |  |  |  |  |
| 20                      | 16QAM      | 1       | 49        | 22.84                 | 23.03                    | 22.94                  | 23                  | 2        |  |  |  |  |  |  |  |
| 20                      | 16QAM      | 1       | 99        | 22.85                 | 22.91                    | 22.92                  |                     |          |  |  |  |  |  |  |  |
| 20                      | 16QAM      | 50      | 0         | 21.98                 | 21.98                    | 21.93                  | 23                  | 2        |  |  |  |  |  |  |  |
| 20                      | 16QAM      | 50      | 24        | 21.89                 | 21.94                    | 21.82                  |                     |          |  |  |  |  |  |  |  |
| 20                      | 16QAM      | 50      | 50        | 21.84                 | 21.94                    | 21.86                  | 23                  | 2        |  |  |  |  |  |  |  |
| 20                      | 16QAM      | 100     | 0         | 21.84                 | 21.92                    | 21.82                  |                     |          |  |  |  |  |  |  |  |
| 20                      | 64QAM      | 1       | 0         | 21.81                 | 22.01                    | 21.85                  | 23                  | 2        |  |  |  |  |  |  |  |
| 20                      | 64QAM      | 1       | 49        | 21.72                 | 21.93                    | 21.85                  |                     |          |  |  |  |  |  |  |  |
| 20                      | 64QAM      | 1       | 99        | 21.73                 | 21.84                    | 21.78                  | 22                  | 3        |  |  |  |  |  |  |  |
| 20                      | 64QAM      | 50      | 0         | 20.79                 | 20.89                    | 20.84                  |                     |          |  |  |  |  |  |  |  |
| 20                      | 64QAM      | 50      | 24        | 20.83                 | 20.91                    | 20.87                  | 24                  | 1        |  |  |  |  |  |  |  |
| 20                      | 64QAM      | 50      | 50        | 20.80                 | 20.72                    | 20.88                  |                     |          |  |  |  |  |  |  |  |
| 20                      | 64QAM      | 100     | 0         | 20.72                 | 21.01                    | 21.25                  |                     |          |  |  |  |  |  |  |  |
| Channel                 |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |  |  |
| Frequency (MHz)         |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |  |  |
| 15                      | QPSK       | 1       | 0         | 23.73                 | 23.89                    | 23.75                  | 25                  | 0        |  |  |  |  |  |  |  |
| 15                      | QPSK       | 1       | 37        | 23.65                 | 23.77                    | 23.71                  |                     |          |  |  |  |  |  |  |  |
| 15                      | QPSK       | 1       | 74        | 23.62                 | 23.81                    | 23.60                  | 24                  | 1        |  |  |  |  |  |  |  |
| 15                      | QPSK       | 36      | 0         | 22.79                 | 22.91                    | 22.84                  |                     |          |  |  |  |  |  |  |  |
| 15                      | QPSK       | 36      | 20        | 22.80                 | 22.79                    | 22.85                  | 24                  | 1        |  |  |  |  |  |  |  |
| 15                      | QPSK       | 36      | 39        | 22.81                 | 22.83                    | 22.74                  |                     |          |  |  |  |  |  |  |  |
| 15                      | QPSK       | 75      | 0         | 22.84                 | 22.84                    | 22.74                  | 24                  | 1        |  |  |  |  |  |  |  |
| 15                      | 16QAM      | 1       | 0         | 22.87                 | 22.90                    | 22.80                  |                     |          |  |  |  |  |  |  |  |
| 15                      | 16QAM      | 1       | 37        | 22.72                 | 22.95                    | 22.81                  | 23                  | 2        |  |  |  |  |  |  |  |
| 15                      | 16QAM      | 1       | 74        | 22.81                 | 22.78                    | 22.86                  |                     |          |  |  |  |  |  |  |  |
| 15                      | 16QAM      | 36      | 0         | 21.95                 | 21.92                    | 21.90                  | 23                  | 2        |  |  |  |  |  |  |  |
| 15                      | 16QAM      | 36      | 20        | 21.77                 | 21.80                    | 21.74                  |                     |          |  |  |  |  |  |  |  |
| 15                      | 16QAM      | 36      | 39        | 21.75                 | 21.81                    | 21.77                  | 23                  | 2        |  |  |  |  |  |  |  |
| 15                      | 16QAM      | 75      | 0         | 21.73                 | 21.81                    | 21.79                  |                     |          |  |  |  |  |  |  |  |
| 15                      | 64QAM      | 1       | 0         | 21.74                 | 21.93                    | 21.78                  | 23                  | 2        |  |  |  |  |  |  |  |
| 15                      | 64QAM      | 1       | 37        | 21.65                 | 21.81                    | 21.71                  |                     |          |  |  |  |  |  |  |  |
| 15                      | 64QAM      | 1       | 74        | 21.71                 | 21.74                    | 21.71                  | 22                  | 3        |  |  |  |  |  |  |  |
| 15                      | 64QAM      | 36      | 0         | 20.67                 | 20.86                    | 20.71                  |                     |          |  |  |  |  |  |  |  |
| 15                      | 64QAM      | 36      | 20        | 20.80                 | 20.82                    | 20.80                  | 22                  | 3        |  |  |  |  |  |  |  |
| 15                      | 64QAM      | 36      | 39        | 20.77                 | 20.60                    | 20.79                  |                     |          |  |  |  |  |  |  |  |
| 15                      | 64QAM      | 75      | 0         | 20.67                 | 20.90                    | 20.96                  |                     |          |  |  |  |  |  |  |  |
| Channel                 |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |  |  |
| Frequency (MHz)         |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |  |  |
| 10                      | QPSK       | 1       | 0         | 23.68                 | 23.85                    | 23.76                  | 25                  | 0        |  |  |  |  |  |  |  |
| 10                      | QPSK       | 1       | 25        | 23.71                 | 23.77                    | 23.74                  |                     |          |  |  |  |  |  |  |  |
| 10                      | QPSK       | 1       | 49        | 23.64                 | 23.84                    | 23.65                  | 24                  | 1        |  |  |  |  |  |  |  |
| 10                      | QPSK       | 25      | 0         | 22.81                 | 22.89                    | 22.80                  |                     |          |  |  |  |  |  |  |  |
| 10                      | QPSK       | 25      | 12        | 22.75                 | 22.80                    | 22.84                  | 24                  | 1        |  |  |  |  |  |  |  |
| 10                      | QPSK       | 25      | 25        | 22.81                 | 22.83                    | 22.70                  |                     |          |  |  |  |  |  |  |  |
| 10                      | QPSK       | 50      | 0         | 22.88                 | 22.80                    | 22.78                  | 24                  | 1        |  |  |  |  |  |  |  |
| 10                      | 16QAM      | 1       | 0         | 22.89                 | 22.99                    | 22.83                  |                     |          |  |  |  |  |  |  |  |
| 10                      | 16QAM      | 1       | 25        | 22.73                 | 22.97                    | 22.83                  | 23                  | 2        |  |  |  |  |  |  |  |
| 10                      | 16QAM      | 1       | 49        | 22.80                 | 22.85                    | 22.86                  |                     |          |  |  |  |  |  |  |  |
| 10                      | 16QAM      | 25      | 0         | 21.88                 | 21.94                    | 21.81                  | 23                  | 2        |  |  |  |  |  |  |  |
| 10                      | 16QAM      | 25      | 12        | 21.80                 | 21.85                    | 21.69                  |                     |          |  |  |  |  |  |  |  |
| 10                      | 16QAM      | 25      | 25        | 21.74                 | 21.83                    | 21.82                  | 23                  | 2        |  |  |  |  |  |  |  |
| 10                      | 16QAM      | 50      | 0         | 21.79                 | 21.80                    | 21.68                  |                     |          |  |  |  |  |  |  |  |
| 10                      | 64QAM      | 1       | 0         | 21.73                 | 21.98                    | 21.74                  | 23                  | 2        |  |  |  |  |  |  |  |
| 10                      | 64QAM      | 1       | 25        | 21.59                 | 21.85                    | 21.73                  |                     |          |  |  |  |  |  |  |  |
| 10                      | 64QAM      | 1       | 49        | 21.61                 | 21.80                    | 21.65                  | 22                  | 3        |  |  |  |  |  |  |  |
| 10                      | 64QAM      | 25      | 0         | 20.74                 | 20.76                    | 20.75                  |                     |          |  |  |  |  |  |  |  |
| 10                      | 64QAM      | 25      | 12        | 20.73                 | 20.79                    | 20.83                  | 22                  | 3        |  |  |  |  |  |  |  |
| 10                      | 64QAM      | 25      | 25        | 20.77                 | 20.64                    | 20.86                  |                     |          |  |  |  |  |  |  |  |
| 10                      | 64QAM      | 50      | 0         | 20.61                 | 20.89                    | 20.97                  |                     |          |  |  |  |  |  |  |  |
| Channel                 |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |  |  |
| Frequency (MHz)         |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |  |  |
| 5                       | QPSK       | 1       | 0         | 23.66                 | 23.91                    | 23.81                  | 25                  | 0        |  |  |  |  |  |  |  |
| 5                       | QPSK       | 1       | 12        | 23.64                 | 23.75                    | 23.71                  |                     |          |  |  |  |  |  |  |  |
| 5                       | QPSK       | 1       | 24        | 23.59                 | 23.82                    | 23.65                  | 24                  | 1        |  |  |  |  |  |  |  |
| 5                       | QPSK       | 12      | 0         | 22.81                 | 22.81                    | 22.79                  |                     |          |  |  |  |  |  |  |  |
| 5                       | QPSK       | 12      | 7         | 22.69                 | 22.87                    | 22.70                  | 24                  | 1        |  |  |  |  |  |  |  |
| 5                       | QPSK       | 12      | 13        | 22.82                 | 22.78                    | 22.68                  |                     |          |  |  |  |  |  |  |  |
| 5                       | QPSK       | 25      | 0         | 22.85                 | 22.90                    | 22.70                  | 24                  | 1        |  |  |  |  |  |  |  |
| 5                       | 16QAM      | 1       | 0         | 22.79                 | 22.98                    | 22.83                  |                     |          |  |  |  |  |  |  |  |
| 5                       | 16QAM      | 1       | 12        | 22.71                 | 22.94                    | 22.90                  | 23                  | 2        |  |  |  |  |  |  |  |
| 5                       | 16QAM      | 1       | 24        | 22.78                 | 22.88                    | 22.85                  |                     |          |  |  |  |  |  |  |  |
| 5                       | 16QAM      | 12      | 0         | 21.95                 | 21.91                    | 21.81                  | 23                  | 2        |  |  |  |  |  |  |  |
| 5                       | 16QAM      | 12      | 7         | 21.75                 | 21.80                    | 21.68                  |                     |          |  |  |  |  |  |  |  |
| 5                       | 16QAM      | 12      | 13        | 21.80                 | 21.90                    | 21.77                  | 23                  | 2        |  |  |  |  |  |  |  |
| 5                       | 16QAM      | 25      | 0         | 21.70                 | 21.82                    | 21.70                  |                     |          |  |  |  |  |  |  |  |
| 5                       | 64QAM      | 1       | 0         | 21.76                 | 21.94                    | 21.77                  | 23                  | 2        |  |  |  |  |  |  |  |
| 5                       | 64QAM      | 1       | 12        | 21.68                 | 21.80                    | 21.75                  |                     |          |  |  |  |  |  |  |  |
| 5                       | 64QAM      | 1       | 24        | 21.71                 | 21.78                    | 21.66                  | 22                  | 3        |  |  |  |  |  |  |  |
| 5                       | 64QAM      | 12      | 0         | 20.65                 | 20.82                    | 20.71                  |                     |          |  |  |  |  |  |  |  |
| 5                       | 64QAM      | 12      | 7         | 20.78                 | 20.88                    | 20.73                  | 22                  | 3        |  |  |  |  |  |  |  |
| 5                       | 64QAM      | 12      | 13        | 20.77                 | 20.70                    | 20.77                  |                     |          |  |  |  |  |  |  |  |
| 5                       | 64QAM      | 25      | 0         | 20.69                 | 20.93                    | 20.93                  |                     |          |  |  |  |  |  |  |  |
| Channel                 |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |  |  |
| Frequency (MHz)         |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |  |  |
| 3                       | QPSK       | 1       | 0         | 23.66                 | 23.87                    | 23.78                  | 25                  | 0        |  |  |  |  |  |  |  |
| 3                       | QPSK       | 1       | 8         | 23.62                 | 23.78                    | 23.71                  |                     |          |  |  |  |  |  |  |  |
| 3                       | QPSK       | 1       | 14        | 23.63                 | 23.84                    | 23.68                  | 24                  | 1        |  |  |  |  |  |  |  |
| 3                       | QPSK       | 8       | 0         | 22.82                 | 22.83                    | 22.84                  |                     |          |  |  |  |  |  |  |  |
| 3                       | QPSK       | 8       | 4         | 22.73                 | 22.82                    | 22.82                  | 24                  | 1        |  |  |  |  |  |  |  |
| 3                       | QPSK       | 8       | 7         | 22.76                 | 22.77                    | 22.77                  |                     |          |  |  |  |  |  |  |  |
| 3                       | QPSK       | 15      | 0         | 22.85                 | 22.85                    | 22.72                  | 24                  | 1        |  |  |  |  |  |  |  |
| 3                       | 16QAM      | 1       | 0         | 22.80                 | 22.90                    | 22.89                  |                     |          |  |  |  |  |  |  |  |
| 3                       | 16QAM      | 1       | 8         | 22.78                 | 22.99                    | 22.92                  | 23                  | 2        |  |  |  |  |  |  |  |
| 3                       | 16QAM      | 1       | 14        | 22.79                 | 22.80                    | 22.79                  |                     |          |  |  |  |  |  |  |  |
| 3                       | 16QAM      | 8       | 0         | 21.91                 | 21.90                    | 21.88                  | 23                  | 2        |  |  |  |  |  |  |  |
| 3                       | 16QAM      | 8       | 4         | 21.77                 | 21.87                    | 21.70                  |                     |          |  |  |  |  |  |  |  |
| 3                       | 16QAM      | 8       | 7         | 21.70                 | 21.85                    | 21.82                  | 23                  | 2        |  |  |  |  |  |  |  |
| 3                       | 16QAM      | 15      | 0         | 21.70                 | 21.85                    | 21.68                  |                     |          |  |  |  |  |  |  |  |
| 3                       | 64QAM      | 1       | 0         | 21.77                 | 21.92                    | 21.77                  | 23                  | 2        |  |  |  |  |  |  |  |
| 3                       | 64QAM      | 1       | 8         | 21.69                 | 21.83                    | 21.78                  |                     |          |  |  |  |  |  |  |  |
| 3                       | 64QAM      | 1       | 14        | 21.64                 | 21.77                    | 21.66                  | 22                  | 3        |  |  |  |  |  |  |  |
| 3                       | 64QAM      | 8       | 0         | 20.74                 | 20.83                    | 20.81                  |                     |          |  |  |  |  |  |  |  |
| 3                       | 64QAM      | 8       | 4         | 20.74                 | 20.81                    | 20.76                  | 22                  | 3        |  |  |  |  |  |  |  |
| 3                       | 64QAM      | 8       | 7         | 20.70                 | 20.66                    | 20.78                  |                     |          |  |  |  |  |  |  |  |
| 3                       | 64QAM      | 15      | 0         | 20.64                 | 20.93                    | 20.94                  |                     |          |  |  |  |  |  |  |  |
| Channel                 |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |  |  |
| Frequency (MHz)         |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |  |  |
| 1.4                     | QPSK       | 1       | 0         | 18.57                 | 18.60                    | 18.53                  | 25                  | 0        |  |  |  |  |  |  |  |
| 1.4                     | QPSK       | 1       | 3         | 23.71                 | 23.76                    | 23.68                  |                     |          |  |  |  |  |  |  |  |
| 1.4                     | QPSK       | 1       | 5         | 23.71                 | 23.76                    | 23.68                  | 24                  | 1        |  |  |  |  |  |  |  |
| 1.4                     | QPSK       | 3       | 0         | 23.62                 | 23.76                    | 23.71                  |                     |          |  |  |  |  |  |  |  |
| 1.4                     | QPSK       | 3       | 1         | 23.59                 | 23.70                    | 23.59                  | 24                  | 1        |  |  |  |  |  |  |  |
| 1.4                     | QPSK       | 3       | 3         | 23.48                 | 23.73                    | 23.64                  |                     |          |  |  |  |  |  |  |  |
| 1.4                     | QPSK       | 6       | 0         | 22.81                 | 22.89                    | 22.71                  | 24                  | 1        |  |  |  |  |  |  |  |
| 1.4                     | 16QAM      | 1       | 0         | 22.90                 | 22.95                    | 22.87                  |                     |          |  |  |  |  |  |  |  |
| 1.4                     | 16QAM      | 1       | 3         | 22.76                 | 22.93                    | 22.91                  | 24                  | 1        |  |  |  |  |  |  |  |
| 1.4                     | 16QAM      | 1       | 5         | 22.80                 | 22.86                    | 22.86                  |                     |          |  |  |  |  |  |  |  |
| 1.4                     | 16QAM      | 3       | 0         | 22.75                 | 22.76                    | 22.59                  | 24                  | 1        |  |  |  |  |  |  |  |
| 1.4                     | 16QAM      | 3       | 1         | 22.87                 | 22.89                    | 22.74                  |                     |          |  |  |  |  |  |  |  |
| 1.4                     | 16QAM      | 3       | 3         | 22.65                 | 22.86                    | 22.87                  | 23                  | 2        |  |  |  |  |  |  |  |
| 1.4                     | 16QAM      | 6       | 0         | 21.76                 | 21.83                    | 21.70                  |                     |          |  |  |  |  |  |  |  |
| 1.4                     | 64QAM      | 1       | 0         | 21.72                 | 21.93                    | 21.82                  | 23                  | 2        |  |  |  |  |  |  |  |
| 1.4                     | 64QAM      | 1       | 3         | 21.61                 | 21.84                    | 21.79                  |                     |          |  |  |  |  |  |  |  |
| 1.4                     | 64QAM      | 1       | 5         | 21.62                 | 21.82                    | 21.74                  | 23                  | 2        |  |  |  |  |  |  |  |
| 1.4                     | 64QAM      | 3       | 0         | 21.63                 | 21.81                    | 21.64                  |                     |          |  |  |  |  |  |  |  |
| 1.4                     | 64QAM      | 3       | 1         | 21.60                 | 21.86                    | 21.79                  | 22                  | 3        |  |  |  |  |  |  |  |
| 1.4                     | 64QAM      | 3       | 3         | 21.53                 | 21.75                    | 21.70                  |                     |          |  |  |  |  |  |  |  |
| 1.4                     | 64QAM      | 6       | 0         | 20.68                 | 20.98                    | 20.93                  | 22                  | 3        |  |  |  |  |  |  |  |

| Band 7 Ant 1 Full power |            |         |           |                       |                          |                        |                     |          |  |  |
|-------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|
| 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         | 23.93                 | 24.06                    | 24.02                  | 25                  | 0        |  |  |
| 20                      | QPSK       | 1       | 49        | 23.78                 | 23.97                    | 23.93                  |                     |          |  |  |
| 20                      | QPSK       | 1       | 99        | 23.87                 | 23.81                    | 23.87                  |                     |          |  |  |
| 20                      | QPSK       | 50      | 0         | 22.96                 | 23.04                    | 23.08                  | 24                  | 1        |  |  |
| 20                      | QPSK       | 50      | 24        | 22.95                 | 22.97                    | 22.79                  |                     |          |  |  |
| 20                      | QPSK       | 50      | 50        | 22.91                 | 22.92                    | 22.93                  |                     |          |  |  |
| 20                      | QPSK       | 100     | 0         | 22.85                 | 23.05                    | 22.97                  | 24                  | 1        |  |  |
| 20                      | 16QAM      | 1       | 0         | 23.01                 | 23.10                    | 22.98                  |                     |          |  |  |
| 20                      | 16QAM      | 1       | 49        | 23.12                 | 23.07                    | 23.11                  |                     |          |  |  |
| 20                      | 16QAM      | 1       | 99        | 22.94                 | 23.00                    | 23.01                  | 23                  | 2        |  |  |
| 20                      | 16QAM      | 50      | 0         | 22.02                 | 22.19                    | 22.04                  |                     |          |  |  |
| 20                      | 16QAM      | 50      | 24        | 21.93                 | 21.99                    | 22.05                  |                     |          |  |  |
| 20                      | 16QAM      | 50      | 50        | 21.89                 | 22.00                    | 21.92                  | 23                  | 2        |  |  |
| 20                      | 16QAM      | 100     | 0         | 21.78                 | 22.08                    | 21.86                  |                     |          |  |  |
| 20                      | 64QAM      | 1       | 0         | 21.83                 | 22.09                    | 22.03                  |                     |          |  |  |
| 20                      | 64QAM      | 1       | 49        | 21.96                 | 22.13                    | 22.02                  | 23                  | 2        |  |  |
| 20                      | 64QAM      | 1       | 99        | 21.95                 | 22.13                    | 21.91                  |                     |          |  |  |
| 20                      | 64QAM      | 50      | 0         | 20.85                 | 21.10                    | 20.90                  |                     |          |  |  |
| 20                      | 64QAM      | 50      | 24        | 20.98                 | 21.06                    | 21.01                  | 22                  | 3        |  |  |
| 20                      | 64QAM      | 50      | 50        | 20.94                 | 21.06                    | 21.03                  |                     |          |  |  |
| 20                      | 64QAM      | 100     | 0         | 20.84                 | 21.07                    | 21.05                  |                     |          |  |  |
| Channel                 |            |         |           | 20825                 | 21100                    | 21375                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)         |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |  |
| 15                      | QPSK       | 1       | 0         | 23.85                 | 24.02                    | 24.00                  | 25                  | 0        |  |  |
| 15                      | QPSK       | 1       | 37        | 23.68                 | 23.88                    | 23.89                  |                     |          |  |  |
| 15                      | QPSK       | 1       | 74        | 23.79                 | 23.76                    | 23.83                  |                     |          |  |  |
| 15                      | QPSK       | 36      | 0         | 22.88                 | 22.84                    | 22.98                  | 24                  | 1        |  |  |
| 15                      | QPSK       | 36      | 20        | 22.93                 | 22.86                    | 22.76                  |                     |          |  |  |
| 15                      | QPSK       | 36      | 39        | 22.77                 | 22.79                    | 22.86                  |                     |          |  |  |
| 15                      | QPSK       | 75      | 0         | 22.73                 | 22.92                    | 22.86                  | 24                  | 1        |  |  |
| 15                      | 16QAM      | 1       | 0         | 22.92                 | 23.01                    | 22.87                  |                     |          |  |  |
| 15                      | 16QAM      | 1       | 37        | 23.05                 | 22.96                    | 23.04                  |                     |          |  |  |
| 15                      | 16QAM      | 1       | 74        | 22.81                 | 22.87                    | 22.94                  | 23                  | 2        |  |  |
| 15                      | 16QAM      | 36      | 0         | 21.99                 | 22.06                    | 22.00                  |                     |          |  |  |
| 15                      | 16QAM      | 36      | 20        | 21.90                 | 21.88                    | 21.87                  |                     |          |  |  |
| 15                      | 16QAM      | 36      | 39        | 21.93                 | 21.92                    | 21.82                  | 23                  | 2        |  |  |
| 15                      | 16QAM      | 75      | 0         | 21.76                 | 21.94                    | 21.77                  |                     |          |  |  |
| 15                      | 64QAM      | 1       | 0         | 21.74                 | 22.03                    | 21.90                  |                     |          |  |  |
| 15                      | 64QAM      | 1       | 37        | 21.88                 | 22.07                    | 21.95                  | 23                  | 2        |  |  |
| 15                      | 64QAM      | 1       | 74        | 21.84                 | 22.03                    | 21.80                  |                     |          |  |  |
| 15                      | 64QAM      | 36      | 0         | 20.79                 | 20.99                    | 20.78                  |                     |          |  |  |
| 15                      | 64QAM      | 36      | 20        | 20.85                 | 21.04                    | 20.90                  | 22                  | 3        |  |  |
| 15                      | 64QAM      | 36      | 39        | 20.90                 | 20.99                    | 20.99                  |                     |          |  |  |
| 15                      | 64QAM      | 75      | 0         | 20.74                 | 20.99                    | 21.01                  |                     |          |  |  |
| Channel                 |            |         |           | 20800                 | 21100                    | 21400                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)         |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |  |
| 10                      | QPSK       | 1       | 0         | 23.82                 | 23.97                    | 23.89                  | 25                  | 0        |  |  |
| 10                      | QPSK       | 1       | 25        | 23.69                 | 23.90                    | 23.81                  |                     |          |  |  |
| 10                      | QPSK       | 1       | 49        | 23.84                 | 23.69                    | 23.75                  |                     |          |  |  |
| 10                      | QPSK       | 25      | 0         | 22.89                 | 23.01                    | 22.94                  | 24                  | 1        |  |  |
| 10                      | QPSK       | 25      | 12        | 22.90                 | 22.91                    | 22.86                  |                     |          |  |  |
| 10                      | QPSK       | 25      | 25        | 22.85                 | 22.81                    | 22.83                  |                     |          |  |  |
| 10                      | QPSK       | 50      | 0         | 22.74                 | 22.82                    | 22.83                  | 24                  | 1        |  |  |
| 10                      | 16QAM      | 1       | 0         | 22.87                 | 22.96                    | 22.98                  |                     |          |  |  |
| 10                      | 16QAM      | 1       | 25        | 23.02                 | 22.96                    | 23.07                  |                     |          |  |  |
| 10                      | 16QAM      | 1       | 49        | 22.81                 | 22.92                    | 22.88                  | 23                  | 2        |  |  |
| 10                      | 16QAM      | 25      | 0         | 21.99                 | 22.09                    | 22.02                  |                     |          |  |  |
| 10                      | 16QAM      | 25      | 12        | 21.91                 | 21.97                    | 22.02                  |                     |          |  |  |
| 10                      | 16QAM      | 25      | 25        | 21.81                 | 21.91                    | 21.84                  | 23                  | 2        |  |  |
| 10                      | 16QAM      | 50      | 0         | 21.67                 | 21.99                    | 21.77                  |                     |          |  |  |
| 10                      | 64QAM      | 1       | 0         | 21.78                 | 21.96                    | 21.91                  |                     |          |  |  |
| 10                      | 64QAM      | 1       | 25        | 21.92                 | 22.10                    | 21.93                  | 23                  | 2        |  |  |
| 10                      | 64QAM      | 1       | 49        | 21.92                 | 22.03                    | 21.85                  |                     |          |  |  |
| 10                      | 64QAM      | 25      | 0         | 20.73                 | 20.98                    | 20.78                  |                     |          |  |  |
| 10                      | 64QAM      | 25      | 12        | 20.93                 | 21.04                    | 20.98                  | 22                  | 3        |  |  |
| 10                      | 64QAM      | 25      | 25        | 20.80                 | 21.01                    | 20.93                  |                     |          |  |  |
| 10                      | 64QAM      | 50      | 0         | 20.72                 | 21.01                    | 20.94                  |                     |          |  |  |
| Channel                 |            |         |           | 20775                 | 21100                    | 21425                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)         |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |  |
| 5                       | QPSK       | 1       | 0         | 23.88                 | 24.00                    | 23.95                  | 25                  | 0        |  |  |
| 5                       | QPSK       | 1       | 12        | 23.74                 | 23.83                    | 23.81                  |                     |          |  |  |
| 5                       | QPSK       | 1       | 24        | 23.77                 | 23.70                    | 23.73                  |                     |          |  |  |
| 5                       | QPSK       | 12      | 0         | 22.87                 | 22.93                    | 22.96                  | 24                  | 1        |  |  |
| 5                       | QPSK       | 12      | 7         | 22.85                 | 22.94                    | 22.75                  |                     |          |  |  |
| 5                       | QPSK       | 12      | 13        | 22.84                 | 22.87                    | 22.90                  |                     |          |  |  |
| 5                       | QPSK       | 25      | 0         | 22.82                 | 22.94                    | 22.86                  | 24                  | 1        |  |  |
| 5                       | 16QAM      | 1       | 0         | 22.88                 | 23.04                    | 22.88                  |                     |          |  |  |
| 5                       | 16QAM      | 1       | 12        | 23.05                 | 23.04                    | 23.03                  |                     |          |  |  |
| 5                       | 16QAM      | 1       | 24        | 22.88                 | 22.97                    | 22.90                  | 23                  | 2        |  |  |
| 5                       | 16QAM      | 12      | 0         | 21.90                 | 22.13                    | 21.98                  |                     |          |  |  |
| 5                       | 16QAM      | 12      | 7         | 21.86                 | 21.89                    | 21.95                  |                     |          |  |  |
| 5                       | 16QAM      | 12      | 13        | 21.82                 | 21.88                    | 21.90                  | 23                  | 2        |  |  |
| 5                       | 16QAM      | 25      | 0         | 21.65                 | 21.95                    | 21.80                  |                     |          |  |  |
| 5                       | 64QAM      | 1       | 0         | 21.71                 | 21.96                    | 21.91                  |                     |          |  |  |
| 5                       | 64QAM      | 1       | 12        | 21.92                 | 22.07                    | 21.97                  | 23                  | 2        |  |  |
| 5                       | 64QAM      | 1       | 24        | 21.84                 | 22.07                    | 21.79                  |                     |          |  |  |
| 5                       | 64QAM      | 12      | 0         | 20.76                 | 20.99                    | 20.79                  |                     |          |  |  |
| 5                       | 64QAM      | 12      | 7         | 20.94                 | 21.01                    | 20.90                  | 22                  | 3        |  |  |
| 5                       | 64QAM      | 12      | 13        | 20.90                 | 20.97                    | 21.01                  |                     |          |  |  |
| 5                       | 64QAM      | 25      | 0         | 20.81                 | 20.93                    | 21.09                  |                     |          |  |  |

| Band 12 Ant 1 Full power |            |         |           |                       |                          |                        |                     |          |  |  |
|--------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|
| 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         | 23.23                 | 23.41                    | 23.31                  | 24                  | 0        |  |  |
| 10                       | QPSK       | 1       | 25        | 23.19                 | 23.38                    | 23.27                  |                     |          |  |  |
| 10                       | QPSK       | 1       | 49        | 23.15                 | 23.19                    | 23.18                  |                     |          |  |  |
| 10                       | QPSK       | 25      | 0         | 22.40                 | 22.42                    | 22.33                  | 23                  | 1        |  |  |
| 10                       | QPSK       | 25      | 12        | 22.27                 | 22.34                    | 22.13                  |                     |          |  |  |
| 10                       | QPSK       | 25      | 25        | 22.34                 | 22.23                    | 22.24                  |                     |          |  |  |
| 10                       | QPSK       | 50      | 0         | 22.16                 | 22.46                    | 22.31                  | 23                  | 1        |  |  |
| 10                       | 16QAM      | 1       | 0         | 22.44                 | 22.49                    | 22.32                  |                     |          |  |  |
| 10                       | 16QAM      | 1       | 25        | 22.45                 | 22.38                    | 22.34                  |                     |          |  |  |
| 10                       | 16QAM      | 1       | 49        | 22.25                 | 22.35                    | 22.31                  | 22                  | 2        |  |  |
| 10                       | 16QAM      | 25      | 0         | 21.31                 | 21.47                    | 21.42                  |                     |          |  |  |
| 10                       | 16QAM      | 25      | 12        | 21.21                 | 21.32                    | 21.30                  |                     |          |  |  |
| 10                       | 16QAM      | 25      | 25        | 21.19                 | 21.35                    | 21.26                  | 22                  | 2        |  |  |
| 10                       | 16QAM      | 50      | 0         | 21.13                 | 21.40                    | 21.16                  |                     |          |  |  |
| 10                       | 64QAM      | 1       | 0         | 21.21                 | 21.37                    | 21.33                  |                     |          |  |  |
| 10                       | 64QAM      | 1       | 25        | 21.24                 | 21.34                    | 21.32                  | 22                  | 2        |  |  |
| 10                       | 64QAM      | 1       | 49        | 21.24                 | 21.50                    | 21.24                  |                     |          |  |  |
| 10                       | 64QAM      | 25      | 0         | 20.20                 | 20.49                    | 20.24                  |                     |          |  |  |
| 10                       | 64QAM      | 25      | 12        | 20.17                 | 20.49                    | 20.21                  | 21                  | 3        |  |  |
| 10                       | 64QAM      | 25      | 25        | 20.26                 | 20.46                    | 20.37                  |                     |          |  |  |
| 10                       | 64QAM      | 50      | 0         | 20.20                 | 20.42                    | 20.25                  |                     |          |  |  |
| Channel                  |            |         |           | 23035                 | 23095                    | 23155                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)          |            |         |           | 701.5                 | 707.5                    | 713.5                  |                     |          |  |  |
| 5                        | QPSK       | 1       | 0         | 23.16                 | 23.34                    | 23.22                  | 24                  | 0        |  |  |
| 5                        | QPSK       | 1       | 12        | 23.04                 | 23.18                    | 23.12                  |                     |          |  |  |
| 5                        | QPSK       | 1       | 24        | 23.11                 | 23.11                    | 23.06                  |                     |          |  |  |
| 5                        | QPSK       | 12      | 0         | 22.35                 | 22.28                    | 22.30                  | 23                  | 1        |  |  |
| 5                        | QPSK       | 12      | 7         | 22.17                 | 22.26                    | 21.89                  |                     |          |  |  |
| 5                        | QPSK       | 12      | 13        | 22.21                 | 22.21                    | 22.21                  |                     |          |  |  |
| 5                        | QPSK       | 25      | 0         | 22.11                 | 22.43                    | 22.22                  | 23                  | 1        |  |  |
| 5                        | 16QAM      | 1       | 0         | 22.37                 | 22.40                    | 22.21                  |                     |          |  |  |
| 5                        | 16QAM      | 1       | 12        | 22.30                 | 22.35                    | 22.37                  |                     |          |  |  |
| 5                        | 16QAM      | 1       | 24        | 22.11                 | 22.30                    | 22.23                  | 22                  | 2        |  |  |
| 5                        | 16QAM      | 12      | 0         | 21.28                 | 21.42                    | 21.37                  |                     |          |  |  |
| 5                        | 16QAM      | 12      | 7         | 21.08                 | 21.21                    | 21.27                  |                     |          |  |  |
| 5                        | 16QAM      | 12      | 13        | 21.14                 | 21.27                    | 21.13                  | 22                  | 2        |  |  |
| 5                        | 16QAM      | 25      | 0         | 21.02                 | 21.35                    | 21.11                  |                     |          |  |  |
| 5                        | 16QAM      | 25      | 0         | 21.18                 | 21.42                    | 21.26                  |                     |          |  |  |
| 5                        | 64QAM      | 1       | 12        | 21.29                 | 21.35                    | 21.24                  | 21                  | 3        |  |  |
| 5                        | 64QAM      | 1       | 24        | 21.30                 | 21.46                    | 21.25                  |                     |          |  |  |
| 5                        | 64QAM      | 12      | 0         | 20.16                 | 20.48                    | 20.36                  |                     |          |  |  |
| 5                        | 64QAM      | 12      | 7         | 20.29                 | 20.49                    | 20.24                  | 21                  | 3        |  |  |
| 5                        | 64QAM      | 12      | 13        | 20.27                 | 20.43                    | 20.39                  |                     |          |  |  |
| 5                        | 64QAM      | 25      | 0         | 20.20                 | 20.44                    | 20.34                  |                     |          |  |  |
| Channel                  |            |         |           | 23030                 | 23095                    | 23160                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)          |            |         |           | 700.5                 | 707.5                    | 714.5                  |                     |          |  |  |
| 3                        | QPSK       | 1       | 0         | 23.14                 | 23.37                    | 23.21                  | 24                  | 0        |  |  |
| 3                        | QPSK       | 1       | 8         | 23.11                 | 23.15                    | 23.14                  |                     |          |  |  |
| 3                        | QPSK       | 1       | 14        | 23.03                 | 23.06                    | 23.08                  |                     |          |  |  |
| 3                        | QPSK       | 8       | 0         | 22.36                 | 22.20                    | 22.28                  | 23                  | 1        |  |  |
| 3                        | QPSK       | 8       | 4         | 22.23                 | 22.26                    | 22.01                  |                     |          |  |  |
| 3                        | QPSK       | 8       | 7         | 22.22                 | 22.17                    | 22.09                  |                     |          |  |  |
| 3                        | QPSK       | 15      | 0         | 22.02                 | 22.40                    | 22.27                  | 23                  | 1        |  |  |
| 3                        | 16QAM      | 1       | 0         | 22.38                 | 22.24                    | 22.20                  |                     |          |  |  |
| 3                        | 16QAM      | 1       | 8         | 22.33                 | 22.24                    | 22.34                  |                     |          |  |  |
| 3                        | 16QAM      | 1       | 14        | 22.13                 | 22.28                    | 22.27                  | 22                  | 2        |  |  |
| 3                        | 16QAM      | 8       | 0         | 21.28                 | 21.44                    | 21.30                  |                     |          |  |  |
| 3                        | 16QAM      | 8       | 4         | 21.12                 | 21.20                    | 21.22                  |                     |          |  |  |
| 3                        | 16QAM      | 8       | 7         | 21.15                 | 21.25                    | 21.19                  | 21                  | 3        |  |  |
| 3                        | 16QAM      | 15      | 0         | 21.02                 | 21.33                    | 21.13                  |                     |          |  |  |
| 3                        | 16QAM      | 1       | 0         | 21.23                 | 21.39                    | 21.29                  |                     |          |  |  |
| 3                        | 64QAM      | 1       | 8         | 21.17                 | 21.42                    | 21.28                  | 22                  | 2        |  |  |
| 3                        | 64QAM      | 1       | 14        | 21.16                 | 21.42                    | 21.26                  |                     |          |  |  |
| 3                        | 64QAM      | 8       | 0         | 20.21                 | 20.48                    | 20.28                  |                     |          |  |  |
| 3                        | 64QAM      | 8       | 4         | 20.22                 | 20.38                    | 20.32                  | 21                  | 3        |  |  |
| 3                        | 64QAM      | 8       | 7         | 20.15                 | 20.39                    | 20.33                  |                     |          |  |  |
| 3                        | 64QAM      | 15      | 0         | 20.23                 | 20.39                    | 20.26                  |                     |          |  |  |
| Channel                  |            |         |           | 23017                 | 23095                    | 23173                  | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)          |            |         |           | 699.7                 | 707.5                    | 715.3                  |                     |          |  |  |
| 1.4                      | QPSK       | 1       | 0         | 23.14                 | 23.35                    | 23.21                  | 24                  | 0        |  |  |
| 1.4                      | QPSK       | 1       | 3         | 23.04                 | 23.22                    | 23.15                  |                     |          |  |  |
| 1.4                      | QPSK       | 1       | 5         | 23.12                 | 23.22                    | 23.09                  |                     |          |  |  |
| 1.4                      | QPSK       | 3       | 0         | 23.15                 | 23.26                    | 23.23                  | 23                  | 1        |  |  |
| 1.4                      | QPSK       | 3       | 1         | 23.08                 | 23.13                    | 23.17                  |                     |          |  |  |
| 1.4                      | QPSK       | 3       | 3         | 23.11                 | 23.15                    | 23.14                  |                     |          |  |  |
| 1.4                      | QPSK       | 6       | 0         | 22.37                 | 22.26                    | 22.28                  | 23                  | 1        |  |  |
| 1.4                      | 16QAM      | 1       | 0         | 22.24                 | 22.25                    | 22.08                  |                     |          |  |  |
| 1.4                      | 16QAM      | 1       | 3         | 22.27                 | 22.12                    | 22.11                  |                     |          |  |  |
| 1.4                      | 16QAM      | 1       | 5         | 22.05                 | 22.39                    | 22.27                  | 23                  | 1        |  |  |
| 1.4                      | 16QAM      | 3       | 0         | 22.28                 | 22.28                    | 22.22                  |                     |          |  |  |
| 1.4                      | 16QAM      | 3       | 1         | 22.36                 | 22.29                    | 22.40                  |                     |          |  |  |
| 1.4                      | 16QAM      | 3       | 3         | 22.18                 | 22.32                    | 22.26                  | 22                  | 2        |  |  |
| 1.4                      | 16QAM      | 6       | 0         | 21.18                 | 21.43                    | 21.29                  |                     |          |  |  |
| 1.4                      | 64QAM      | 1       | 0         | 21.25                 | 21.41                    | 21.36                  |                     |          |  |  |
| 1.4                      | 64QAM      | 1       | 3         | 21.15                 | 21.34                    | 21.34                  | 22                  | 2        |  |  |
| 1.4                      | 64QAM      | 1       | 5         | 21.25                 | 21.50                    | 21.30                  |                     |          |  |  |
| 1.4                      | 64QAM      | 3       | 0         | 21.20                 | 21.49                    | 21.40                  |                     |          |  |  |
| 1.4                      | 64QAM      | 3       | 1         | 21.20                 | 21.41                    | 21.36                  | 21                  | 3        |  |  |
| 1.4                      | 64QAM      | 3       | 3         | 21.19                 | 21.37                    | 21.23                  |                     |          |  |  |
| 1.4                      | 64QAM      | 6       | 0         | 20.29                 | 20.37                    | 20.30                  |                     |          |  |  |

| Band 14 Ant 1 Full power |            |         |           |                       |                          |                        |                     |          |  |
|--------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |                       | 24.63                    |                        | 25                  | 0        |  |
| 10                       | QPSK       | 1       | 25        | 24.57                 |                          |                        |                     |          |  |
| 10                       | QPSK       | 1       | 49        | 24.42                 |                          |                        |                     |          |  |
| 10                       | QPSK       | 25      | 0         | 23.55                 |                          |                        | 24                  | 1        |  |
| 10                       | QPSK       | 25      | 12        | 23.56                 |                          |                        |                     |          |  |
| 10                       | QPSK       | 25      | 25        | 23.47                 |                          |                        |                     |          |  |
| 10                       | QPSK       | 50      | 0         | 23.50                 |                          |                        | 24                  | 1        |  |
| 10                       | 16QAM      | 1       | 0         | 23.63                 |                          |                        |                     |          |  |
| 10                       | 16QAM      | 1       | 25        | 23.66                 |                          |                        |                     |          |  |
| 10                       | 16QAM      | 1       | 49        | 23.66                 |                          |                        | 23                  | 2        |  |
| 10                       | 16QAM      | 25      | 0         | 22.67                 |                          |                        |                     |          |  |
| 10                       | 16QAM      | 25      | 12        | 22.62                 |                          |                        |                     |          |  |
| 10                       | 16QAM      | 25      | 25        | 22.49                 |                          |                        | 23                  | 2        |  |
| 10                       | 16QAM      | 50      | 0         | 22.47                 |                          |                        |                     |          |  |
| 10                       | 64QAM      | 1       | 0         | 22.66                 |                          |                        |                     |          |  |
| 10                       | 64QAM      | 1       | 25        | 22.61                 |                          |                        | 23                  | 2        |  |
| 10                       | 64QAM      | 1       | 49        | 22.49                 |                          |                        |                     |          |  |
| 10                       | 64QAM      | 25      | 0         | 21.60                 |                          |                        |                     |          |  |
| 10                       | 64QAM      | 25      | 12        | 21.49                 |                          |                        | 22                  | 3        |  |
| 10                       | 64QAM      | 25      | 25        | 21.63                 |                          |                        |                     |          |  |
| 10                       | 64QAM      | 50      | 0         | 21.60                 |                          |                        |                     |          |  |
| Channel                  |            |         |           | 23305                 | 23330                    | 23355                  |                     |          |  |
| Frequency (MHz)          |            |         |           | 790.5                 | 793                      | 795.5                  | Tune-up limit (dBm) | MPR (dB) |  |
| 5                        | QPSK       | 1       | 0         | 24.52                 | 24.61                    | 24.58                  | 25                  | 0        |  |
| 5                        | QPSK       | 1       | 12        | 24.52                 | 24.51                    | 24.50                  |                     |          |  |
| 5                        | QPSK       | 1       | 24        | 24.43                 | 24.51                    | 24.37                  |                     |          |  |
| 5                        | QPSK       | 12      | 0         | 23.64                 | 23.65                    | 23.55                  | 24                  | 1        |  |
| 5                        | QPSK       | 12      | 7         | 23.49                 | 23.51                    | 23.60                  |                     |          |  |
| 5                        | QPSK       | 12      | 13        | 23.46                 | 23.56                    | 23.52                  |                     |          |  |
| 5                        | QPSK       | 25      | 0         | 23.58                 | 23.58                    | 23.50                  | 24                  | 1        |  |
| 5                        | 16QAM      | 1       | 0         | 23.70                 | 23.62                    | 23.65                  |                     |          |  |
| 5                        | 16QAM      | 1       | 12        | 23.64                 | 23.52                    | 23.61                  |                     |          |  |
| 5                        | 16QAM      | 1       | 24        | 23.65                 | 23.64                    | 23.59                  | 23                  | 2        |  |
| 5                        | 16QAM      | 12      | 0         | 22.63                 | 22.60                    | 22.60                  |                     |          |  |
| 5                        | 16QAM      | 12      | 7         | 22.60                 | 22.61                    | 22.54                  |                     |          |  |
| 5                        | 16QAM      | 12      | 13        | 22.63                 | 22.63                    | 22.58                  | 23                  | 2        |  |
| 5                        | 16QAM      | 25      | 0         | 22.58                 | 22.54                    | 22.66                  |                     |          |  |
| 5                        | 64QAM      | 1       | 0         | 22.55                 | 22.58                    | 22.50                  |                     |          |  |
| 5                        | 64QAM      | 1       | 12        | 22.60                 | 22.58                    | 22.51                  | 23                  | 2        |  |
| 5                        | 64QAM      | 1       | 24        | 22.38                 | 22.57                    | 22.67                  |                     |          |  |
| 5                        | 64QAM      | 12      | 0         | 21.62                 | 21.64                    | 21.61                  |                     |          |  |
| 5                        | 64QAM      | 12      | 7         | 21.46                 | 21.47                    | 21.41                  | 22                  | 3        |  |
| 5                        | 64QAM      | 12      | 13        | 21.49                 | 21.59                    | 21.43                  |                     |          |  |
| 5                        | 64QAM      | 25      | 0         | 21.62                 | 21.67                    | 21.69                  |                     |          |  |

| Band 25 Ant 1 Full power |            |         |           |                       |                          |                        |                     |          |  |                     |          |  |
|--------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|---------------------|----------|--|
| 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                  |            |         |           |                       |                          |                        |                     |          |  |                     |          |  |
| Frequency (MHz)          |            |         |           | 1860                  | 1880                     | 1905                   |                     |          |  |                     |          |  |
| 20                       | QPSK       | 1       | 0         | 23.71                 | 23.84                    | 23.69                  | 25                  | 0        |  |                     |          |  |
| 20                       | QPSK       | 1       | 49        | 23.60                 | 23.66                    | 23.61                  |                     |          |  |                     |          |  |
| 20                       | QPSK       | 1       | 99        | 23.63                 | 23.64                    | 23.62                  |                     |          |  |                     |          |  |
| 20                       | QPSK       | 50      | 0         | 22.71                 | 22.75                    | 22.65                  | 24                  | 1        |  |                     |          |  |
| 20                       | QPSK       | 50      | 24        | 22.68                 | 22.76                    | 22.69                  |                     |          |  |                     |          |  |
| 20                       | QPSK       | 50      | 50        | 22.60                 | 22.67                    | 22.72                  |                     |          |  |                     |          |  |
| 20                       | QPSK       | 100     | 0         | 22.65                 | 22.76                    | 22.72                  | 24                  | 1        |  |                     |          |  |
| 20                       | 16QAM      | 1       | 0         | 22.90                 | 22.94                    | 22.89                  |                     |          |  |                     |          |  |
| 20                       | 16QAM      | 1       | 49        | 22.76                 | 22.74                    | 22.79                  |                     |          |  |                     |          |  |
| 20                       | 16QAM      | 1       | 99        | 22.75                 | 22.78                    | 22.78                  | 23                  | 2        |  |                     |          |  |
| 20                       | 16QAM      | 50      | 0         | 21.79                 | 21.88                    | 21.73                  |                     |          |  |                     |          |  |
| 20                       | 16QAM      | 50      | 24        | 21.70                 | 21.75                    | 21.76                  |                     |          |  |                     |          |  |
| 20                       | 16QAM      | 50      | 50        | 21.77                 | 21.80                    | 21.66                  | 23                  | 2        |  |                     |          |  |
| 20                       | 16QAM      | 100     | 0         | 21.65                 | 21.80                    | 21.67                  |                     |          |  |                     |          |  |
| 20                       | 64QAM      | 1       | 0         | 21.56                 | 21.92                    | 21.67                  |                     |          |  |                     |          |  |
| 20                       | 64QAM      | 1       | 49        | 21.73                 | 21.83                    | 21.74                  | 23                  | 2        |  |                     |          |  |
| 20                       | 64QAM      | 1       | 99        | 21.72                 | 21.79                    | 21.69                  |                     |          |  |                     |          |  |
| 20                       | 64QAM      | 50      | 0         | 20.62                 | 20.75                    | 20.80                  |                     |          |  |                     |          |  |
| 20                       | 64QAM      | 50      | 24        | 20.62                 | 20.85                    | 20.76                  | 22                  | 3        |  |                     |          |  |
| 20                       | 64QAM      | 50      | 50        | 20.70                 | 20.73                    | 20.76                  |                     |          |  |                     |          |  |
| 20                       | 64QAM      | 100     | 0         | 20.64                 | 20.74                    | 20.58                  |                     |          |  |                     |          |  |
| Channel                  |            |         |           | 20115                 | 26340                    | 26615                  |                     |          |  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 1857.5                | 1880                     | 1907.5                 |                     |          |  |                     |          |  |
| 15                       | QPSK       | 1       | 0         | 23.59                 | 23.80                    | 23.55                  | 25                  | 0        |  |                     |          |  |
| 15                       | QPSK       | 1       | 37        | 23.53                 | 23.63                    | 23.57                  |                     |          |  |                     |          |  |
| 15                       | QPSK       | 1       | 74        | 23.50                 | 23.56                    | 23.54                  |                     |          |  |                     |          |  |
| 15                       | QPSK       | 36      | 0         | 22.63                 | 22.65                    | 22.58                  | 24                  | 1        |  |                     |          |  |
| 15                       | QPSK       | 36      | 20        | 22.57                 | 22.72                    | 22.62                  |                     |          |  |                     |          |  |
| 15                       | QPSK       | 36      | 39        | 22.53                 | 22.56                    | 22.67                  |                     |          |  |                     |          |  |
| 15                       | QPSK       | 75      | 0         | 22.57                 | 22.73                    | 22.63                  | 24                  | 1        |  |                     |          |  |
| 15                       | 16QAM      | 1       | 0         | 22.83                 | 22.92                    | 22.79                  |                     |          |  |                     |          |  |
| 15                       | 16QAM      | 1       | 37        | 22.66                 | 22.68                    | 22.68                  |                     |          |  |                     |          |  |
| 15                       | 16QAM      | 1       | 74        | 22.63                 | 22.74                    | 22.75                  | 23                  | 2        |  |                     |          |  |
| 15                       | 16QAM      | 36      | 0         | 21.74                 | 21.79                    | 21.61                  |                     |          |  |                     |          |  |
| 15                       | 16QAM      | 36      | 20        | 21.57                 | 21.69                    | 21.69                  |                     |          |  |                     |          |  |
| 15                       | 16QAM      | 36      | 39        | 21.72                 | 21.75                    | 21.64                  | 23                  | 2        |  |                     |          |  |
| 15                       | 16QAM      | 75      | 0         | 21.56                 | 21.75                    | 21.58                  |                     |          |  |                     |          |  |
| 15                       | 64QAM      | 1       | 0         | 21.48                 | 21.86                    | 21.61                  |                     |          |  |                     |          |  |
| 15                       | 64QAM      | 1       | 37        | 21.63                 | 21.73                    | 21.61                  | 23                  | 2        |  |                     |          |  |
| 15                       | 64QAM      | 1       | 74        | 21.66                 | 21.73                    | 21.61                  |                     |          |  |                     |          |  |
| 15                       | 64QAM      | 36      | 0         | 20.58                 | 20.72                    | 20.76                  |                     |          |  |                     |          |  |
| 15                       | 64QAM      | 36      | 20        | 20.48                 | 20.76                    | 20.72                  | 22                  | 3        |  |                     |          |  |
| 15                       | 64QAM      | 36      | 39        | 20.60                 | 20.61                    | 20.72                  |                     |          |  |                     |          |  |
| 15                       | 64QAM      | 75      | 0         | 20.57                 | 20.72                    | 20.44                  |                     |          |  |                     |          |  |
| Channel                  |            |         |           | 26090                 | 26340                    | 26640                  |                     |          |  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 1855                  | 1880                     | 1910                   |                     |          |  |                     |          |  |
| 10                       | QPSK       | 1       | 0         | 23.61                 | 23.70                    | 23.56                  | 25                  | 0        |  |                     |          |  |
| 10                       | QPSK       | 1       | 25        | 23.49                 | 23.55                    | 23.52                  |                     |          |  |                     |          |  |
| 10                       | QPSK       | 1       | 49        | 23.47                 | 23.56                    | 23.58                  |                     |          |  |                     |          |  |
| 10                       | QPSK       | 25      | 0         | 22.57                 | 22.62                    | 22.61                  | 24                  | 1        |  |                     |          |  |
| 10                       | QPSK       | 25      | 12        | 22.56                 | 22.66                    | 22.66                  |                     |          |  |                     |          |  |
| 10                       | QPSK       | 25      | 25        | 22.55                 | 22.55                    | 22.68                  |                     |          |  |                     |          |  |
| 10                       | QPSK       | 50      | 0         | 22.57                 | 22.71                    | 22.64                  | 24                  | 1        |  |                     |          |  |
| 10                       | 16QAM      | 1       | 0         | 22.85                 | 22.83                    | 22.85                  |                     |          |  |                     |          |  |
| 10                       | 16QAM      | 1       | 25        | 22.72                 | 22.65                    | 22.68                  |                     |          |  |                     |          |  |
| 10                       | 16QAM      | 1       | 49        | 22.63                 | 22.71                    | 22.67                  | 23                  | 2        |  |                     |          |  |
| 10                       | 16QAM      | 25      | 0         | 21.68                 | 21.77                    | 21.63                  |                     |          |  |                     |          |  |
| 10                       | 16QAM      | 25      | 12        | 21.60                 | 21.62                    | 21.64                  |                     |          |  |                     |          |  |
| 10                       | 16QAM      | 25      | 25        | 21.66                 | 21.74                    | 21.58                  | 23                  | 2        |  |                     |          |  |
| 10                       | 16QAM      | 50      | 0         | 21.59                 | 21.72                    | 21.64                  |                     |          |  |                     |          |  |
| 10                       | 64QAM      | 1       | 0         | 21.51                 | 21.78                    | 21.64                  |                     |          |  |                     |          |  |
| 10                       | 64QAM      | 1       | 25        | 21.62                 | 21.74                    | 21.69                  | 23                  | 2        |  |                     |          |  |
| 10                       | 64QAM      | 1       | 49        | 21.62                 | 21.71                    | 21.63                  |                     |          |  |                     |          |  |
| 10                       | 64QAM      | 25      | 0         | 20.57                 | 20.68                    | 20.75                  |                     |          |  |                     |          |  |
| 10                       | 64QAM      | 25      | 12        | 20.51                 | 20.83                    | 20.71                  | 22                  | 3        |  |                     |          |  |
| 10                       | 64QAM      | 25      | 25        | 20.67                 | 20.65                    | 20.63                  |                     |          |  |                     |          |  |
| 10                       | 64QAM      | 50      | 0         | 20.58                 | 20.70                    | 20.50                  |                     |          |  |                     |          |  |
| Channel                  |            |         |           | 26055                 | 26340                    | 26655                  |                     |          |  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 1852.5                | 1880                     | 1912.5                 |                     |          |  |                     |          |  |
| 5                        | QPSK       | 1       | 0         | 23.63                 | 23.81                    | 23.59                  | 25                  | 0        |  |                     |          |  |
| 5                        | QPSK       | 1       | 12        | 23.48                 | 23.55                    | 23.51                  |                     |          |  |                     |          |  |
| 5                        | QPSK       | 1       | 24        | 23.47                 | 23.59                    | 23.48                  |                     |          |  |                     |          |  |
| 5                        | QPSK       | 12      | 0         | 22.67                 | 22.71                    | 22.63                  | 24                  | 1        |  |                     |          |  |
| 5                        | QPSK       | 12      | 7         | 22.55                 | 22.65                    | 22.59                  |                     |          |  |                     |          |  |
| 5                        | QPSK       | 12      | 13        | 22.56                 | 22.53                    | 22.61                  |                     |          |  |                     |          |  |
| 5                        | QPSK       | 25      | 0         | 22.58                 | 22.63                    | 22.68                  | 24                  | 1        |  |                     |          |  |
| 5                        | 16QAM      | 1       | 0         | 22.76                 | 22.89                    | 22.84                  |                     |          |  |                     |          |  |
| 5                        | 16QAM      | 1       | 12        | 22.63                 | 22.61                    | 22.76                  |                     |          |  |                     |          |  |
| 5                        | 16QAM      | 1       | 24        | 22.70                 | 22.64                    | 22.70                  | 23                  | 2        |  |                     |          |  |
| 5                        | 16QAM      | 12      | 0         | 21.67                 | 21.79                    | 21.69                  |                     |          |  |                     |          |  |
| 5                        | 16QAM      | 12      | 7         | 21.60                 | 21.62                    | 21.67                  | 23                  | 2        |  |                     |          |  |
| 5                        | 16QAM      | 12      | 13        | 21.68                 | 21.73                    | 21.53                  |                     |          |  |                     |          |  |
| 5                        | 16QAM      | 25      | 0         | 21.56                 | 21.73                    | 21.61                  |                     |          |  |                     |          |  |
| 5                        | 64QAM      | 1       | 0         | 21.50                 | 21.84                    | 21.58                  | 23                  | 2        |  |                     |          |  |
| 5                        | 64QAM      | 1       | 12        | 21.69                 | 21.80                    | 21.70                  |                     |          |  |                     |          |  |
| 5                        | 64QAM      | 1       | 24        | 21.68                 | 21.87                    | 21.57                  |                     |          |  |                     |          |  |
| 5                        | 64QAM      | 12      | 0         | 20.53                 | 20.67                    | 20.70                  | 22                  | 3        |  |                     |          |  |
| 5                        | 64QAM      | 12      | 7         | 20.55                 | 20.75                    | 20.64                  |                     |          |  |                     |          |  |
| 5                        | 64QAM      | 12      | 13        | 20.66                 | 20.68                    | 20.69                  |                     |          |  |                     |          |  |
| 5                        | 64QAM      | 25      | 0         | 20.59                 | 20.69                    | 20.53                  |                     |          |  |                     |          |  |
| Channel                  |            |         |           | 26055                 | 26340                    | 26675                  |                     |          |  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)          |            |         |           | 1851.5                | 1880                     | 1913.5                 |                     |          |  |                     |          |  |
| 3                        | QPSK       | 1       | 0         | 23.64                 | 23.76                    | 23.61                  | 25                  | 0        |  |                     |          |  |
| 3                        | QPSK       | 1       | 8         | 23.57                 | 23.56                    | 23.48                  |                     |          |  |                     |          |  |
| 3                        | QPSK       | 1       | 14        | 23.49                 | 23.60                    | 23.55                  |                     |          |  |                     |          |  |
| 3                        | QPSK       | 8       | 0         | 22.60                 | 22.70                    | 22.54                  | 24                  | 1        |  |                     |          |  |
| 3                        | QPSK       | 8       | 7         | 22.62                 | 22.69                    | 22.59                  |                     |          |  |                     |          |  |
| 3                        | QPSK       | 8       | 7         | 22.50                 | 22.60                    | 22.62                  |                     |          |  |                     |          |  |
| 3                        | QPSK       | 15      | 0         | 22.53                 | 22.64                    | 22.65                  | 24                  | 1        |  |                     |          |  |
| 3                        | 16QAM      | 1       | 0         | 22.81                 | 22.89                    | 22.75                  |                     |          |  |                     |          |  |
| 3                        | 16QAM      | 1       | 8         | 22.71                 | 22.69                    | 22.67                  |                     |          |  |                     |          |  |
| 3                        | 16QAM      | 1       | 14        | 22.65                 | 22.71                    | 22.72                  | 23                  | 2        |  |                     |          |  |
| 3                        | 16QAM      | 8       | 0         | 21.73                 | 21.79                    | 21.60                  |                     |          |  |                     |          |  |
| 3                        | 16QAM      | 8       | 4         | 21.60                 | 21.65                    | 21.68                  |                     |          |  |                     |          |  |
| 3                        | 16QAM      | 8       | 7         | 21.68                 | 21.79                    | 21.56                  | 23                  | 2        |  |                     |          |  |
| 3                        | 16QAM      | 15      | 0         | 21.53                 | 21.71                    | 21.54                  |                     |          |  |                     |          |  |
| 3                        | 16QAM      | 15      | 0         | 21.49                 | 21.88                    | 21.56                  |                     |          |  |                     |          |  |
| 3                        | 64QAM      | 1       | 8         | 21.62                 | 21.80                    | 21.60                  | 23                  | 2        |  |                     |          |  |
| 3                        | 64QAM      | 1       | 14        | 21.64                 | 21.72                    | 21.58                  |                     |          |  |                     |          |  |
| 3                        | 64QAM      | 8       | 0         | 20.56                 | 20.63                    | 20.73                  |                     |          |  |                     |          |  |
| 3                        | 64QAM      | 8       | 4         | 20.54                 | 20.81                    | 20.63                  | 22                  | 3        |  |                     |          |  |
| 3                        | 64QAM      | 8       | 7         | 20.57                 | 20.70                    | 20.73                  |                     |          |  |                     |          |  |
| 3                        | 64QAM      | 15      | 0         | 20.53                 | 20.62                    | 20.55                  |                     |          |  |                     |          |  |
| Channel                  |            |         |           | 26091                 | 26340                    | 26683                  | Tune-up limit (dBm) | MPR (dB) |  |                     |          |  |
| Frequency (MHz)          |            |         |           | 1850.7                | 1880                     | 1914.3                 |                     |          |  |                     |          |  |
| 1.4                      | QPSK       | 1       | 0         | 23.56                 | 23.75                    | 23.61                  | 25                  | 0        |  |                     |          |  |
| 1.4                      | QPSK       | 1       | 3         | 23.50                 | 23.61                    | 23.56                  |                     |          |  |                     |          |  |
| 1.4                      | QPSK       | 1       | 5         | 23.46                 | 23.55                    | 23.56                  |                     |          |  |                     |          |  |
| 1.4                      | QPSK       | 3       | 0         | 23.48                 | 23.63                    | 23.54                  | 24                  | 1        |  |                     |          |  |
| 1.4                      | QPSK       | 3       | 1         | 23.43                 | 23.47                    | 23.51                  |                     |          |  |                     |          |  |
| 1.4                      | QPSK       | 3       | 23        | 23.37                 | 23.48                    | 23.50                  |                     |          |  |                     |          |  |
| 1.4                      | QPSK       | 6       | 0         | 22.53                 | 22.69                    | 22.62                  | 24                  | 1        |  |                     |          |  |
| 1.4                      | 16QAM      | 1       | 0         | 22.83                 | 22.89                    | 22.82                  |                     |          |  |                     |          |  |
| 1.4                      | 16QAM      | 1       | 3         | 22.67                 | 22.69                    | 22.66                  |                     |          |  |                     |          |  |
| 1.4                      | 16QAM      | 1       | 5         | 22.66                 | 22.67                    | 22.72                  | 24                  | 1        |  |                     |          |  |
| 1.4                      | 16QAM      | 3       | 0         | 22.40                 | 22.57                    | 22.57                  |                     |          |  |                     |          |  |
| 1.4                      | 16QAM      | 3       | 1         | 22.72                 | 22.82                    | 22.74                  |                     |          |  |                     |          |  |
| 1.4                      | 16QAM      | 3       | 3         | 22.59                 | 22.61                    | 22.52                  |                     |          |  |                     |          |  |
| 1.4                      | 16QAM      | 6       | 0         | 21.55                 | 21.76                    | 21.63                  |                     |          |  |                     |          |  |
| 1.4                      | 64QAM      | 1       | 0         | 21.43                 | 21.80                    | 21.62                  | 23                  | 2        |  |                     |          |  |
| 1.4                      | 64QAM      | 1       | 3         | 21.69                 | 21.78                    | 21.63                  |                     |          |  |                     |          |  |
| 1.4                      | 64QAM      | 1       | 5         | 21.58                 | 21.75                    | 21.66                  |                     |          |  |                     |          |  |
| 1.4                      | 64QAM      | 3       | 0         | 21.42                 | 21.73                    | 21.54                  | 23                  | 2        |  |                     |          |  |
| 1.4                      | 64QAM      | 3       | 1         | 21.40                 | 21.71                    | 21.52                  |                     |          |  |                     |          |  |
| 1.4                      | 64QAM      | 3       | 3         | 21.61                 | 21.65                    | 21.58                  |                     |          |  |                     |          |  |
| 1.4                      | 64QAM      | 6       | 0         | 20.61                 | 20.63                    | 20.55                  | 22                  | 3        |  |                     |          |  |

| Band 66 Ant 1 Full power |            |         |           |                      |                         |                       |                     |          |  |  |
|--------------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|--|--|
| 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         | 24.01                | 24.12                   | 24.00                 | 25                  | 0        |  |  |
| 20                       | QPSK       | 1       | 49        | 23.88                | 24.07                   | 23.93                 |                     |          |  |  |
| 20                       | QPSK       | 1       | 99        | 23.92                | 23.98                   | 23.95                 |                     |          |  |  |
| 20                       | QPSK       | 50      | 0         | 23.04                | 23.04                   | 22.95                 | 24                  | 1        |  |  |
| 20                       | QPSK       | 50      | 24        | 22.92                | 22.98                   | 22.89                 |                     |          |  |  |
| 20                       | QPSK       | 50      | 50        | 23.04                | 23.00                   | 22.94                 |                     |          |  |  |
| 20                       | QPSK       | 100     | 0         | 22.99                | 23.11                   | 23.06                 | 24                  | 1        |  |  |
| 20                       | 16QAM      | 1       | 0         | 23.13                | 22.99                   | 23.04                 |                     |          |  |  |
| 20                       | 16QAM      | 1       | 49        | 23.01                | 23.07                   | 22.95                 |                     |          |  |  |
| 20                       | 16QAM      | 1       | 99        | 23.07                | 23.08                   | 23.02                 | 23                  | 2        |  |  |
| 20                       | 16QAM      | 50      | 0         | 21.94                | 22.06                   | 21.94                 |                     |          |  |  |
| 20                       | 16QAM      | 50      | 24        | 21.95                | 22.01                   | 21.98                 |                     |          |  |  |
| 20                       | 16QAM      | 50      | 50        | 21.91                | 22.08                   | 21.90                 | 23                  | 2        |  |  |
| 20                       | 16QAM      | 100     | 0         | 21.99                | 21.98                   | 22.05                 |                     |          |  |  |
| 20                       | 64QAM      | 1       | 0         | 22.01                | 22.23                   | 21.97                 |                     |          |  |  |
| 20                       | 64QAM      | 1       | 49        | 21.97                | 22.07                   | 22.02                 | 23                  | 2        |  |  |
| 20                       | 64QAM      | 1       | 99        | 22.01                | 22.08                   | 21.98                 |                     |          |  |  |
| 20                       | 64QAM      | 50      | 0         | 21.06                | 20.99                   | 21.02                 |                     |          |  |  |
| 20                       | 64QAM      | 50      | 24        | 21.01                | 21.05                   | 21.06                 | 22                  | 3        |  |  |
| 20                       | 64QAM      | 50      | 50        | 21.01                | 21.09                   | 20.88                 |                     |          |  |  |
| 20                       | 64QAM      | 100     | 0         | 20.93                | 21.23                   | 20.93                 |                     |          |  |  |
| Channel                  |            |         |           | 132047               | 132322                  | 132597                | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)          |            |         |           | 1717.5               | 1745                    | 1772.5                |                     |          |  |  |
| 15                       | QPSK       | 1       | 0         | 23.98                | 24.10                   | 23.93                 | 25                  | 0        |  |  |
| 15                       | QPSK       | 1       | 37        | 23.77                | 23.95                   | 23.89                 |                     |          |  |  |
| 15                       | QPSK       | 1       | 74        | 23.85                | 23.90                   | 23.89                 |                     |          |  |  |
| 15                       | QPSK       | 36      | 0         | 23.01                | 22.93                   | 22.78                 | 24                  | 1        |  |  |
| 15                       | QPSK       | 36      | 20        | 22.90                | 22.94                   | 22.84                 |                     |          |  |  |
| 15                       | QPSK       | 36      | 39        | 23.01                | 22.91                   | 22.81                 |                     |          |  |  |
| 15                       | QPSK       | 75      | 0         | 22.87                | 23.07                   | 22.96                 | 24                  | 1        |  |  |
| 15                       | 16QAM      | 1       | 0         | 23.05                | 22.95                   | 22.92                 |                     |          |  |  |
| 15                       | 16QAM      | 1       | 37        | 22.93                | 23.00                   | 22.91                 |                     |          |  |  |
| 15                       | 16QAM      | 1       | 74        | 22.98                | 23.03                   | 22.96                 | 23                  | 2        |  |  |
| 15                       | 16QAM      | 36      | 0         | 21.82                | 22.04                   | 21.84                 |                     |          |  |  |
| 15                       | 16QAM      | 36      | 20        | 21.92                | 21.89                   | 21.88                 |                     |          |  |  |
| 15                       | 16QAM      | 36      | 39        | 21.79                | 21.84                   | 21.77                 | 23                  | 2        |  |  |
| 15                       | 16QAM      | 75      | 0         | 21.88                | 21.85                   | 21.97                 |                     |          |  |  |
| 15                       | 64QAM      | 1       | 0         | 21.89                | 22.21                   | 21.88                 |                     |          |  |  |
| 15                       | 64QAM      | 1       | 37        | 21.93                | 22.00                   | 21.88                 | 23                  | 2        |  |  |
| 15                       | 64QAM      | 1       | 74        | 21.93                | 22.00                   | 21.87                 |                     |          |  |  |
| 15                       | 64QAM      | 36      | 0         | 20.97                | 20.87                   | 20.92                 |                     |          |  |  |
| 15                       | 64QAM      | 36      | 20        | 20.92                | 20.95                   | 20.95                 | 22                  | 3        |  |  |
| 15                       | 64QAM      | 36      | 39        | 20.94                | 21.04                   | 20.79                 |                     |          |  |  |
| 15                       | 64QAM      | 75      | 0         | 20.82                | 21.19                   | 20.88                 |                     |          |  |  |
| Channel                  |            |         |           | 132022               | 132322                  | 132622                | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)          |            |         |           | 1715                 | 1745                    | 1775                  |                     |          |  |  |
| 10                       | QPSK       | 1       | 0         | 23.95                | 24.01                   | 23.86                 | 25                  | 0        |  |  |
| 10                       | QPSK       | 1       | 25        | 23.86                | 23.95                   | 23.81                 |                     |          |  |  |
| 10                       | QPSK       | 1       | 49        | 23.83                | 23.86                   | 23.86                 |                     |          |  |  |
| 10                       | QPSK       | 25      | 0         | 22.93                | 22.97                   | 22.79                 | 24                  | 1        |  |  |
| 10                       | QPSK       | 25      | 12        | 22.85                | 22.86                   | 22.81                 |                     |          |  |  |
| 10                       | QPSK       | 25      | 25        | 22.95                | 22.93                   | 22.83                 |                     |          |  |  |
| 10                       | QPSK       | 50      | 0         | 22.96                | 23.05                   | 23.01                 | 24                  | 1        |  |  |
| 10                       | 16QAM      | 1       | 0         | 23.11                | 22.96                   | 22.97                 |                     |          |  |  |
| 10                       | 16QAM      | 1       | 25        | 22.98                | 22.96                   | 22.93                 |                     |          |  |  |
| 10                       | 16QAM      | 1       | 49        | 23.00                | 22.94                   | 22.90                 | 23                  | 2        |  |  |
| 10                       | 16QAM      | 25      | 0         | 21.81                | 21.98                   | 21.83                 |                     |          |  |  |
| 10                       | 16QAM      | 25      | 12        | 21.92                | 21.90                   | 21.91                 |                     |          |  |  |
| 10                       | 16QAM      | 25      | 25        | 21.85                | 21.98                   | 21.79                 | 23                  | 2        |  |  |
| 10                       | 16QAM      | 50      | 0         | 21.89                | 21.90                   | 22.01                 |                     |          |  |  |
| 10                       | 64QAM      | 1       | 0         | 21.99                | 22.19                   | 21.87                 |                     |          |  |  |
| 10                       | 64QAM      | 1       | 25        | 21.95                | 22.01                   | 21.90                 | 23                  | 2        |  |  |
| 10                       | 64QAM      | 1       | 49        | 21.88                | 21.96                   | 21.93                 |                     |          |  |  |
| 10                       | 64QAM      | 25      | 0         | 20.99                | 20.88                   | 20.92                 |                     |          |  |  |
| 10                       | 64QAM      | 25      | 12        | 20.92                | 20.99                   | 21.02                 | 22                  | 3        |  |  |
| 10                       | 64QAM      | 25      | 25        | 20.93                | 21.06                   | 20.78                 |                     |          |  |  |
| 10                       | 64QAM      | 50      | 0         | 20.82                | 21.13                   | 20.82                 |                     |          |  |  |
| Channel                  |            |         |           | 131997               | 132322                  | 132647                | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)          |            |         |           | 1712.5               | 1745                    | 1777.5                |                     |          |  |  |
| 5                        | QPSK       | 1       | 0         | 23.91                | 24.06                   | 23.94                 | 25                  | 0        |  |  |
| 5                        | QPSK       | 1       | 12        | 23.85                | 23.95                   | 23.87                 |                     |          |  |  |
| 5                        | QPSK       | 1       | 24        | 23.88                | 23.88                   | 23.84                 |                     |          |  |  |
| 5                        | QPSK       | 12      | 0         | 22.93                | 22.96                   | 22.84                 | 24                  | 1        |  |  |
| 5                        | QPSK       | 12      | 7         | 22.88                | 22.93                   | 22.83                 |                     |          |  |  |
| 5                        | QPSK       | 12      | 13        | 22.95                | 22.88                   | 22.82                 |                     |          |  |  |
| 5                        | QPSK       | 25      | 0         | 22.90                | 23.01                   | 23.02                 | 24                  | 1        |  |  |
| 5                        | 16QAM      | 1       | 0         | 23.06                | 22.91                   | 22.90                 |                     |          |  |  |
| 5                        | 16QAM      | 1       | 12        | 22.90                | 23.01                   | 22.88                 |                     |          |  |  |
| 5                        | 16QAM      | 1       | 24        | 22.97                | 23.05                   | 23.00                 | 23                  | 2        |  |  |
| 5                        | 16QAM      | 12      | 0         | 21.90                | 21.92                   | 21.90                 |                     |          |  |  |
| 5                        | 16QAM      | 12      | 7         | 21.93                | 21.88                   | 21.95                 |                     |          |  |  |
| 5                        | 16QAM      | 12      | 13        | 21.81                | 21.97                   | 21.82                 | 23                  | 2        |  |  |
| 5                        | 16QAM      | 25      | 0         | 21.92                | 21.95                   | 21.92                 |                     |          |  |  |
| 5                        | 64QAM      | 1       | 0         | 21.97                | 22.11                   | 21.87                 |                     |          |  |  |
| 5                        | 64QAM      | 1       | 12        | 21.88                | 21.96                   | 21.98                 | 23                  | 2        |  |  |
| 5                        | 64QAM      | 1       | 24        | 21.90                | 21.96                   | 21.92                 |                     |          |  |  |
| 5                        | 64QAM      | 12      | 0         | 20.95                | 20.93                   | 20.94                 |                     |          |  |  |
| 5                        | 64QAM      | 12      | 7         | 20.89                | 20.91                   | 21.03                 | 22                  | 3        |  |  |
| 5                        | 64QAM      | 12      | 13        | 20.80                | 20.86                   | 20.83                 |                     |          |  |  |
| 5                        | 64QAM      | 25      | 0         | 20.82                | 21.17                   | 20.86                 |                     |          |  |  |
| Channel                  |            |         |           | 131987               | 132322                  | 132657                | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)          |            |         |           | 1711.5               | 1745                    | 1778.5                |                     |          |  |  |
| 3                        | QPSK       | 1       | 0         | 23.95                | 24.07                   | 23.96                 | 25                  | 0        |  |  |
| 3                        | QPSK       | 1       | 8         | 23.76                | 24.02                   | 23.82                 |                     |          |  |  |
| 3                        | QPSK       | 1       | 14        | 23.83                | 23.95                   | 23.93                 |                     |          |  |  |
| 3                        | QPSK       | 8       | 0         | 22.93                | 22.97                   | 22.78                 | 24                  | 1        |  |  |
| 3                        | QPSK       | 8       | 4         | 22.81                | 22.90                   | 22.86                 |                     |          |  |  |
| 3                        | QPSK       | 8       | 7         | 22.91                | 22.89                   | 22.87                 |                     |          |  |  |
| 3                        | QPSK       | 15      | 0         | 22.86                | 23.00                   | 22.96                 | 24                  | 1        |  |  |
| 3                        | 16QAM      | 1       | 0         | 23.00                | 22.93                   | 23.00                 |                     |          |  |  |
| 3                        | 16QAM      | 1       | 8         | 22.87                | 22.96                   | 22.88                 |                     |          |  |  |
| 3                        | 16QAM      | 1       | 14        | 22.96                | 22.99                   | 22.99                 | 23                  | 2        |  |  |
| 3                        | 16QAM      | 8       | 0         | 21.87                | 21.97                   | 21.87                 |                     |          |  |  |
| 3                        | 16QAM      | 8       | 4         | 21.91                | 21.90                   | 21.92                 |                     |          |  |  |
| 3                        | 16QAM      | 8       | 7         | 21.83                | 22.04                   | 21.81                 | 23                  | 2        |  |  |
| 3                        | 16QAM      | 15      | 0         | 21.91                | 21.94                   | 21.99                 |                     |          |  |  |
| 3                        | 64QAM      | 1       | 0         | 21.95                | 22.19                   | 21.88                 |                     |          |  |  |
| 3                        | 64QAM      | 1       | 8         | 21.93                | 22.05                   | 21.93                 | 23                  | 2        |  |  |
| 3                        | 64QAM      | 1       | 14        | 21.99                | 21.97                   | 21.86                 |                     |          |  |  |
| 3                        | 64QAM      | 8       | 0         | 20.98                | 20.91                   | 20.90                 |                     |          |  |  |
| 3                        | 64QAM      | 8       | 4         | 20.88                | 20.96                   | 20.97                 | 22                  | 3        |  |  |
| 3                        | 64QAM      | 8       | 7         | 20.92                | 20.99                   | 20.79                 |                     |          |  |  |
| 3                        | 64QAM      | 15      | 0         | 20.81                | 21.09                   | 20.90                 |                     |          |  |  |
| Channel                  |            |         |           | 131979               | 132322                  | 132665                | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz)          |            |         |           | 1710.7               | 1745                    | 1779.3                |                     |          |  |  |
| 1.4                      | QPSK       | 1       | 0         | 23.97                | 24.03                   | 23.97                 | 25                  | 0        |  |  |
| 1.4                      | QPSK       | 1       | 3         | 23.86                | 24.03                   | 23.83                 |                     |          |  |  |
| 1.4                      | QPSK       | 1       | 5         | 23.85                | 23.92                   | 23.87                 |                     |          |  |  |
| 1.4                      | QPSK       | 3       | 0         | 23.89                | 23.94                   | 23.83                 | 24                  | 1        |  |  |
| 1.4                      | QPSK       | 3       | 1         | 23.79                | 23.93                   | 23.78                 |                     |          |  |  |
| 1.4                      | QPSK       | 3       | 3         | 23.74                | 23.87                   | 23.79                 |                     |          |  |  |
| 1.4                      | QPSK       | 6       | 0         | 22.88                | 23.05                   | 23.00                 | 24                  | 1        |  |  |
| 1.4                      | 16QAM      | 1       | 0         | 23.00                | 22.90                   | 23.01                 |                     |          |  |  |
| 1.4                      | 16QAM      | 1       | 3         | 22.92                | 23.03                   | 22.89                 |                     |          |  |  |
| 1.4                      | 16QAM      | 1       | 5         | 22.93                | 23.00                   | 22.88                 | 24                  | 1        |  |  |
| 1.4                      | 16QAM      | 3       | 0         | 22.80                | 22.90                   | 22.86                 |                     |          |  |  |
| 1.4                      | 16QAM      | 3       | 1         | 22.86                | 22.78                   | 22.96                 |                     |          |  |  |
| 1.4                      | 16QAM      | 3       | 3         | 22.84                | 22.81                   | 22.83                 | 23                  | 2        |  |  |
| 1.4                      | 16QAM      | 6       | 0         | 21.92                | 21.89                   | 21.96                 |                     |          |  |  |
| 1.4                      | 64QAM      | 1       | 0         | 21.89                | 22.19                   | 21.86                 |                     |          |  |  |
| 1.4                      | 64QAM      | 1       | 3         | 21.91                | 22.02                   | 21.95                 | 23                  | 2        |  |  |
| 1.4                      | 64QAM      | 1       | 5         | 21.89                | 21.98                   | 21.94                 |                     |          |  |  |
| 1.4                      | 64QAM      | 3       | 0         | 21.89                | 21.79                   | 21.91                 |                     |          |  |  |
| 1.4                      | 64QAM      | 3       | 1         | 21.78                | 22.07                   | 21.82                 | 23                  | 2        |  |  |
| 1.4                      | 64QAM      | 3       | 3         | 21.78                | 21.89                   | 21.83                 |                     |          |  |  |
| 1.4                      | 64QAM      | 6       | 0         | 20.89                | 21.12                   | 20.85                 |                     |          |  |  |

| Band 38 Ant 1 Full power |            |         |           |                          |                             |                           |                        |             |  |
|--------------------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| BW [MHz]                 | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel                  |            |         |           | 37850                    | 38000                       | 38150                     |                        |             |  |
| Frequency (MHz)          |            |         |           | 2580                     | 2595                        | 2610                      |                        |             |  |
| 20                       | QPSK       | 1       | 0         | 24.30                    | 24.47                       | 24.35                     | 25                     | 0           |  |
| 20                       | QPSK       | 1       | 49        | 24.25                    | 24.38                       | 24.45                     |                        |             |  |
| 20                       | QPSK       | 1       | 99        | 24.17                    | 24.29                       | 24.34                     |                        |             |  |
| 20                       | QPSK       | 50      | 0         | 23.47                    | 23.52                       | 23.35                     | 24                     | 1           |  |
| 20                       | QPSK       | 50      | 24        | 23.38                    | 23.40                       | 23.27                     |                        |             |  |
| 20                       | QPSK       | 50      | 50        | 23.35                    | 23.49                       | 23.34                     |                        |             |  |
| 20                       | QPSK       | 100     | 0         | 23.26                    | 23.37                       | 23.31                     | 24                     | 1           |  |
| 20                       | 16QAM      | 1       | 0         | 23.52                    | 23.47                       | 23.58                     |                        |             |  |
| 20                       | 16QAM      | 1       | 49        | 23.38                    | 23.50                       | 23.42                     |                        |             |  |
| 20                       | 16QAM      | 1       | 99        | 23.43                    | 23.42                       | 23.44                     | 23                     | 2           |  |
| 20                       | 16QAM      | 50      | 0         | 22.38                    | 22.48                       | 22.39                     |                        |             |  |
| 20                       | 16QAM      | 50      | 24        | 22.27                    | 22.35                       | 22.37                     |                        |             |  |
| 20                       | 16QAM      | 50      | 50        | 22.29                    | 22.40                       | 22.50                     | 23                     | 2           |  |
| 20                       | 16QAM      | 100     | 0         | 22.38                    | 22.50                       | 22.36                     |                        |             |  |
| 20                       | 64QAM      | 1       | 0         | 22.30                    | 22.56                       | 22.25                     |                        |             |  |
| 20                       | 64QAM      | 1       | 49        | 22.39                    | 22.59                       | 22.45                     | 23                     | 2           |  |
| 20                       | 64QAM      | 1       | 99        | 22.24                    | 22.50                       | 22.44                     |                        |             |  |
| 20                       | 64QAM      | 50      | 0         | 21.27                    | 21.37                       | 21.39                     |                        |             |  |
| 20                       | 64QAM      | 50      | 24        | 21.28                    | 21.50                       | 21.29                     | 22                     | 3           |  |
| 20                       | 64QAM      | 50      | 50        | 21.34                    | 21.52                       | 21.44                     |                        |             |  |
| 20                       | 64QAM      | 100     | 0         | 21.33                    | 21.48                       | 21.33                     |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
| Channel                  |            |         |           | 37825                    | 38000                       | 38175                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)          |            |         |           | 2577.5                   | 2595                        | 2612.5                    |                        |             |  |
| 15                       | QPSK       | 1       | 0         | 24.28                    | 24.43                       | 24.21                     | 25                     | 0           |  |
| 15                       | QPSK       | 1       | 37        | 24.18                    | 24.30                       | 24.33                     |                        |             |  |
| 15                       | QPSK       | 1       | 74        | 24.14                    | 24.20                       | 24.25                     |                        |             |  |
| 15                       | QPSK       | 36      | 0         | 23.38                    | 23.40                       | 23.32                     | 24                     | 1           |  |
| 15                       | QPSK       | 36      | 20        | 23.36                    | 23.34                       | 23.13                     |                        |             |  |
| 15                       | QPSK       | 36      | 39        | 23.30                    | 23.43                       | 23.28                     |                        |             |  |
| 15                       | QPSK       | 75      | 0         | 23.22                    | 23.28                       | 23.26                     | 24                     | 1           |  |
| 15                       | 16QAM      | 1       | 0         | 23.47                    | 23.37                       | 23.46                     |                        |             |  |
| 15                       | 16QAM      | 1       | 37        | 23.31                    | 23.36                       | 23.31                     |                        |             |  |
| 15                       | 16QAM      | 1       | 74        | 23.37                    | 23.34                       | 23.36                     | 23                     | 2           |  |
| 15                       | 16QAM      | 36      | 0         | 22.25                    | 22.37                       | 22.28                     |                        |             |  |
| 15                       | 16QAM      | 36      | 20        | 22.17                    | 22.30                       | 22.28                     |                        |             |  |
| 15                       | 16QAM      | 36      | 39        | 22.20                    | 22.31                       | 22.43                     | 23                     | 2           |  |
| 15                       | 16QAM      | 75      | 0         | 22.27                    | 22.42                       | 22.30                     |                        |             |  |
| 15                       | 64QAM      | 1       | 0         | 22.23                    | 22.44                       | 22.18                     |                        |             |  |
| 15                       | 64QAM      | 1       | 37        | 22.29                    | 22.52                       | 22.43                     | 23                     | 2           |  |
| 15                       | 64QAM      | 1       | 74        | 22.12                    | 22.48                       | 22.36                     |                        |             |  |
| 15                       | 64QAM      | 36      | 0         | 21.23                    | 21.30                       | 21.28                     |                        |             |  |
| 15                       | 64QAM      | 36      | 20        | 21.18                    | 21.44                       | 21.18                     | 22                     | 3           |  |
| 15                       | 64QAM      | 36      | 39        | 21.23                    | 21.43                       | 21.37                     |                        |             |  |
| 15                       | 64QAM      | 75      | 0         | 21.21                    | 21.42                       | 21.25                     |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
| Channel                  |            |         |           | 37800                    | 38000                       | 38200                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)          |            |         |           | 2575                     | 2595                        | 2615                      |                        |             |  |
| 10                       | QPSK       | 1       | 0         | 24.25                    | 24.36                       | 24.32                     | 25                     | 0           |  |
| 10                       | QPSK       | 1       | 25        | 24.16                    | 24.30                       | 24.34                     |                        |             |  |
| 10                       | QPSK       | 1       | 49        | 24.07                    | 24.16                       | 24.28                     |                        |             |  |
| 10                       | QPSK       | 25      | 0         | 23.39                    | 23.45                       | 23.24                     | 24                     | 1           |  |
| 10                       | QPSK       | 25      | 12        | 23.26                    | 23.31                       | 23.20                     |                        |             |  |
| 10                       | QPSK       | 25      | 25        | 23.31                    | 23.40                       | 23.29                     |                        |             |  |
| 10                       | QPSK       | 50      | 0         | 23.12                    | 23.31                       | 23.24                     | 24                     | 1           |  |
| 10                       | 16QAM      | 1       | 0         | 23.49                    | 23.35                       | 23.54                     |                        |             |  |
| 10                       | 16QAM      | 1       | 25        | 23.33                    | 23.46                       | 23.36                     |                        |             |  |
| 10                       | 16QAM      | 1       | 49        | 23.38                    | 23.38                       | 23.36                     | 23                     | 2           |  |
| 10                       | 16QAM      | 25      | 0         | 22.33                    | 22.36                       | 22.27                     |                        |             |  |
| 10                       | 16QAM      | 25      | 12        | 22.18                    | 22.23                       | 22.27                     |                        |             |  |
| 10                       | 16QAM      | 25      | 25        | 22.21                    | 22.30                       | 22.38                     | 23                     | 2           |  |
| 10                       | 16QAM      | 50      | 0         | 22.30                    | 22.46                       | 22.29                     |                        |             |  |
| 10                       | 64QAM      | 1       | 0         | 22.22                    | 22.52                       | 22.14                     |                        |             |  |
| 10                       | 64QAM      | 1       | 25        | 22.36                    | 22.51                       | 22.38                     | 23                     | 2           |  |
| 10                       | 64QAM      | 1       | 49        | 22.13                    | 22.47                       | 22.40                     |                        |             |  |
| 10                       | 64QAM      | 25      | 0         | 21.23                    | 21.34                       | 21.35                     |                        |             |  |
| 10                       | 64QAM      | 25      | 12        | 21.23                    | 21.38                       | 21.26                     | 22                     | 3           |  |
| 10                       | 64QAM      | 25      | 25        | 21.31                    | 21.48                       | 21.36                     |                        |             |  |
| 10                       | 64QAM      | 50      | 0         | 21.26                    | 21.43                       | 21.24                     |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
| Channel                  |            |         |           | 37775                    | 38000                       | 38225                     | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)          |            |         |           | 2572.5                   | 2595                        | 2617.5                    |                        |             |  |
| 5                        | QPSK       | 1       | 0         | 24.22                    | 24.37                       | 24.23                     | 25                     | 0           |  |
| 5                        | QPSK       | 1       | 12        | 24.11                    | 24.29                       | 24.35                     |                        |             |  |
| 5                        | QPSK       | 1       | 24        | 24.05                    | 24.19                       | 24.25                     |                        |             |  |
| 5                        | QPSK       | 12      | 0         | 23.38                    | 23.41                       | 23.32                     | 24                     | 1           |  |
| 5                        | QPSK       | 12      | 7         | 23.35                    | 23.33                       | 23.22                     |                        |             |  |
| 5                        | QPSK       | 12      | 13        | 23.32                    | 23.36                       | 23.30                     |                        |             |  |
| 5                        | QPSK       | 25      | 0         | 23.18                    | 23.28                       | 23.29                     | 24                     | 1           |  |
| 5                        | 16QAM      | 1       | 0         | 23.47                    | 23.41                       | 23.50                     |                        |             |  |
| 5                        | 16QAM      | 1       | 12        | 23.28                    | 23.37                       | 23.32                     |                        |             |  |
| 5                        | 16QAM      | 1       | 24        | 23.38                    | 23.35                       | 23.31                     | 23                     | 2           |  |
| 5                        | 16QAM      | 12      | 0         | 22.33                    | 22.40                       | 22.31                     |                        |             |  |
| 5                        | 16QAM      | 12      | 7         | 22.21                    | 22.25                       | 22.29                     |                        |             |  |
| 5                        | 16QAM      | 12      | 13        | 22.19                    | 22.37                       | 22.47                     | 23                     | 2           |  |
| 5                        | 16QAM      | 25      | 0         | 22.29                    | 22.45                       | 22.26                     |                        |             |  |
| 5                        | 64QAM      | 1       | 0         | 22.23                    | 22.53                       | 22.19                     |                        |             |  |
| 5                        | 64QAM      | 1       | 12        | 22.25                    | 22.47                       | 22.32                     | 23                     | 2           |  |
| 5                        | 64QAM      | 1       | 24        | 22.13                    | 22.46                       | 22.36                     |                        |             |  |
| 5                        | 64QAM      | 12      | 0         | 21.14                    | 21.25                       | 21.26                     |                        |             |  |
| 5                        | 64QAM      | 12      | 7         | 21.17                    | 21.38                       | 21.26                     | 22                     | 3           |  |
| 5                        | 64QAM      | 12      | 13        | 21.27                    | 21.47                       | 21.32                     |                        |             |  |
| 5                        | 64QAM      | 25      | 0         | 21.29                    | 21.37                       | 21.27                     |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |
|                          |            |         |           |                          |                             |                           |                        |             |  |

| Band 41 HPUE Ant 1 Full power |            |         |           |                       |                              |                          |                               |                        |    |   |
|-------------------------------|------------|---------|-----------|-----------------------|------------------------------|--------------------------|-------------------------------|------------------------|----|---|
| 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. |    |   |
| Channel                       |            |         |           | 39750                 | 40185                        | 40620                    | 41055                         | 41490                  |    |   |
| Frequency (MHz)               |            |         |           | 2506                  | 2549.5                       | 2593                     | 2636.5                        | 2680                   |    |   |
| 20                            | QPSK       | 1       | 0         | 26.62                 | 26.73                        | 26.86                    | 26.81                         | 26.70                  | 28 | 0 |
| 20                            | QPSK       | 1       | 49        | 26.52                 | 26.76                        | 26.75                    | 26.78                         | 26.57                  |    |   |
| 20                            | QPSK       | 1       | 99        | 26.46                 | 26.71                        | 26.77                    | 26.80                         | 26.56                  |    |   |
| 20                            | QPSK       | 50      | 0         | 25.62                 | 25.93                        | 25.98                    | 25.74                         | 25.76                  | 27 | 1 |
| 20                            | QPSK       | 50      | 24        | 25.58                 | 25.72                        | 25.86                    | 25.84                         | 25.68                  |    |   |
| 20                            | QPSK       | 50      | 50        | 25.61                 | 25.77                        | 25.81                    | 25.66                         | 25.52                  |    |   |
| 20                            | QPSK       | 100     | 0         | 25.61                 | 25.82                        | 25.83                    | 25.78                         | 25.61                  | 27 | 1 |
| 20                            | 16QAM      | 1       | 0         | 25.78                 | 25.93                        | 25.98                    | 25.88                         | 25.69                  |    |   |
| 20                            | 16QAM      | 1       | 49        | 25.58                 | 25.76                        | 26.05                    | 25.94                         | 25.80                  |    |   |
| 20                            | 16QAM      | 1       | 99        | 25.64                 | 25.78                        | 25.93                    | 25.78                         | 25.82                  | 26 | 2 |
| 20                            | 16QAM      | 50      | 0         | 24.65                 | 24.80                        | 24.96                    | 24.92                         | 24.74                  |    |   |
| 20                            | 16QAM      | 50      | 24        | 24.65                 | 24.73                        | 24.75                    | 24.75                         | 24.65                  |    |   |
| 20                            | 16QAM      | 50      | 50        | 24.77                 | 24.91                        | 24.89                    | 24.87                         | 24.65                  | 26 | 2 |
| 20                            | 16QAM      | 100     | 0         | 24.50                 | 24.69                        | 24.92                    | 24.86                         | 24.51                  |    |   |
| 20                            | 64QAM      | 1       | 0         | 24.74                 | 24.74                        | 24.88                    | 24.79                         | 24.63                  |    |   |
| 20                            | 64QAM      | 1       | 49        | 24.81                 | 24.88                        | 24.95                    | 24.81                         | 24.70                  | 26 | 2 |
| 20                            | 64QAM      | 1       | 99        | 24.72                 | 24.78                        | 24.86                    | 24.89                         | 24.85                  |    |   |
| 20                            | 64QAM      | 50      | 0         | 23.63                 | 23.87                        | 23.95                    | 23.90                         | 23.69                  |    |   |
| 20                            | 64QAM      | 50      | 24        | 23.68                 | 23.65                        | 23.89                    | 23.79                         | 23.68                  | 25 | 3 |
| 20                            | 64QAM      | 50      | 50        | 23.80                 | 23.87                        | 23.72                    | 23.89                         | 23.82                  |    |   |
| 20                            | 64QAM      | 100     | 0         | 23.63                 | 23.69                        | 23.90                    | 23.94                         | 23.65                  |    |   |
| 20                            | 256QAM     | 1       | 0         | 22.30                 | 22.16                        | 22.22                    | 22.12                         | 22.14                  | 23 | 5 |
| 20                            | 256QAM     | 1       | 49        | 22.21                 | 22.32                        | 22.24                    | 22.24                         | 22.20                  |    |   |
| 20                            | 256QAM     | 1       | 99        | 22.10                 | 22.                          |                          |                               |                        |    |   |

| Band 2 Ant 2 Full power |            |         |           |                     |                        |                      |                     |          |          |  |  |
|-------------------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|----------|--|--|
| 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)         |            |         |           | 18680               | 18880                  | 19080                |                     |          |          |  |  |
| 20                      | QPSK       | 1       | 0         | 23.37               | 23.54                  | 23.52                | 24                  | 0        |          |  |  |
| 20                      | QPSK       | 1       | 49        | 23.30               | 23.49                  | 23.48                |                     |          |          |  |  |
| 20                      | QPSK       | 1       | 99        | 23.33               | 23.37                  | 23.35                |                     |          |          |  |  |
| 20                      | QPSK       | 50      | 0         | 22.47               | 22.55                  | 22.48                | 23                  | 1        |          |  |  |
| 20                      | QPSK       | 50      | 24        | 22.44               | 22.59                  | 22.35                |                     |          |          |  |  |
| 20                      | QPSK       | 50      | 50        | 22.47               | 22.45                  | 22.41                |                     |          |          |  |  |
| 20                      | QPSK       | 100     | 0         | 22.48               | 22.56                  | 22.42                | 23                  | 1        |          |  |  |
| 20                      | 16QAM      | 1       | 0         | 22.51               | 22.62                  | 22.59                |                     |          |          |  |  |
| 20                      | 16QAM      | 1       | 49        | 22.48               | 22.55                  | 22.52                |                     |          |          |  |  |
| 20                      | 16QAM      | 1       | 99        | 22.43               | 22.50                  | 22.51                | 23                  | 1        |          |  |  |
| 20                      | 16QAM      | 50      | 0         | 21.55               | 21.57                  | 21.48                |                     |          |          |  |  |
| 20                      | 16QAM      | 50      | 24        | 21.42               | 21.49                  | 21.50                |                     |          |          |  |  |
| 20                      | 16QAM      | 50      | 50        | 21.44               | 21.59                  | 21.51                | 22                  | 2        |          |  |  |
| 20                      | 16QAM      | 100     | 0         | 21.36               | 21.52                  | 21.44                |                     |          |          |  |  |
| 20                      | 64QAM      | 1       | 0         | 21.28               | 21.65                  | 21.61                |                     |          |          |  |  |
| 20                      | 64QAM      | 1       | 49        | 21.39               | 21.56                  | 21.57                | 22                  | 2        |          |  |  |
| 20                      | 64QAM      | 1       | 99        | 21.46               | 21.47                  | 21.43                |                     |          |          |  |  |
| 20                      | 64QAM      | 50      | 0         | 20.32               | 20.54                  | 20.51                |                     |          |          |  |  |
| 20                      | 64QAM      | 50      | 24        | 20.38               | 20.42                  | 20.43                | 21                  | 3        |          |  |  |
| 20                      | 64QAM      | 50      | 50        | 20.31               | 20.43                  | 20.48                |                     |          |          |  |  |
| 20                      | 64QAM      | 100     | 0         | 20.31               | 20.46                  | 20.51                |                     |          |          |  |  |
| Channel                 |            |         |           | 18675               | 18900                  | 19125                | Tune-up limit (dBm) |          | MPR (dB) |  |  |
| Frequency (MHz)         |            |         |           | 18675               | 18900                  | 19125                |                     |          |          |  |  |
| 15                      | QPSK       | 1       | 0         | 23.29               | 23.46                  | 23.47                | 24                  | 0        |          |  |  |
| 15                      | QPSK       | 1       | 37        | 23.25               | 23.35                  | 23.45                |                     |          |          |  |  |
| 15                      | QPSK       | 1       | 74        | 23.28               | 23.26                  | 23.30                |                     |          |          |  |  |
| 15                      | QPSK       | 36      | 0         | 22.40               | 22.42                  | 22.45                | 23                  | 1        |          |  |  |
| 15                      | QPSK       | 36      | 20        | 22.41               | 22.49                  | 22.21                |                     |          |          |  |  |
| 15                      | QPSK       | 36      | 39        | 22.39               | 22.35                  | 22.37                |                     |          |          |  |  |
| 15                      | QPSK       | 75      | 0         | 22.44               | 22.42                  | 22.32                | 23                  | 1        |          |  |  |
| 15                      | 16QAM      | 1       | 0         | 22.44               | 22.51                  | 22.47                |                     |          |          |  |  |
| 15                      | 16QAM      | 1       | 37        | 22.45               | 22.44                  | 22.43                |                     |          |          |  |  |
| 15                      | 16QAM      | 1       | 74        | 22.33               | 22.37                  | 22.48                | 22                  | 2        |          |  |  |
| 15                      | 16QAM      | 36      | 0         | 21.48               | 21.47                  | 21.38                |                     |          |          |  |  |
| 15                      | 16QAM      | 36      | 20        | 21.34               | 21.41                  | 21.36                |                     |          |          |  |  |
| 15                      | 16QAM      | 36      | 39        | 21.31               | 21.50                  | 21.38                | 22                  | 2        |          |  |  |
| 15                      | 16QAM      | 75      | 0         | 21.27               | 21.45                  | 21.34                |                     |          |          |  |  |
| 15                      | 64QAM      | 1       | 0         | 21.40               | 21.66                  | 21.61                |                     |          |          |  |  |
| 15                      | 64QAM      | 1       | 37        | 21.32               | 21.56                  | 21.61                | 22                  | 2        |          |  |  |
| 15                      | 64QAM      | 1       | 74        | 21.40               | 21.49                  | 21.55                |                     |          |          |  |  |
| 15                      | 64QAM      | 36      | 0         | 20.42               | 20.56                  | 20.58                |                     |          |          |  |  |
| 15                      | 64QAM      | 36      | 20        | 20.38               | 20.62                  | 20.61                | 21                  | 3        |          |  |  |
| 15                      | 64QAM      | 36      | 39        | 20.44               | 20.57                  | 20.62                |                     |          |          |  |  |
| 15                      | 64QAM      | 75      | 0         | 20.42               | 20.66                  | 20.54                |                     |          |          |  |  |
| Channel                 |            |         |           | 18650               | 18900                  | 19150                | Tune-up limit (dBm) |          | MPR (dB) |  |  |
| Frequency (MHz)         |            |         |           | 18650               | 18900                  | 19150                |                     |          |          |  |  |
| 10                      | QPSK       | 1       | 0         | 23.28               | 23.51                  | 23.41                | 24                  | 0        |          |  |  |
| 10                      | QPSK       | 1       | 25        | 23.21               | 23.40                  | 23.43                |                     |          |          |  |  |
| 10                      | QPSK       | 1       | 49        | 23.18               | 23.31                  | 23.24                |                     |          |          |  |  |
| 10                      | QPSK       | 25      | 0         | 22.41               | 22.50                  | 22.36                | 23                  | 1        |          |  |  |
| 10                      | QPSK       | 25      | 12        | 22.31               | 22.52                  | 22.31                |                     |          |          |  |  |
| 10                      | QPSK       | 25      | 25        | 22.35               | 22.36                  | 22.27                |                     |          |          |  |  |
| 10                      | QPSK       | 50      | 0         | 22.37               | 22.48                  | 22.29                | 23                  | 1        |          |  |  |
| 10                      | 16QAM      | 1       | 0         | 22.44               | 22.53                  | 22.45                |                     |          |          |  |  |
| 10                      | 16QAM      | 1       | 25        | 22.39               | 22.48                  | 22.43                |                     |          |          |  |  |
| 10                      | 16QAM      | 1       | 49        | 22.28               | 22.46                  | 22.42                | 22                  | 2        |          |  |  |
| 10                      | 16QAM      | 25      | 0         | 21.41               | 21.51                  | 21.44                |                     |          |          |  |  |
| 10                      | 16QAM      | 25      | 12        | 21.27               | 21.44                  | 21.46                |                     |          |          |  |  |
| 10                      | 16QAM      | 25      | 25        | 21.35               | 21.56                  | 21.44                | 22                  | 2        |          |  |  |
| 10                      | 16QAM      | 50      | 0         | 21.28               | 21.38                  | 21.31                |                     |          |          |  |  |
| 10                      | 64QAM      | 1       | 0         | 21.40               | 21.63                  | 21.54                |                     |          |          |  |  |
| 10                      | 64QAM      | 1       | 25        | 21.38               | 21.51                  | 21.41                | 22                  | 2        |          |  |  |
| 10                      | 64QAM      | 1       | 49        | 21.36               | 21.44                  | 21.49                |                     |          |          |  |  |
| 10                      | 64QAM      | 25      | 0         | 20.46               | 20.59                  | 20.45                |                     |          |          |  |  |
| 10                      | 64QAM      | 25      | 12        | 20.37               | 20.64                  | 20.60                | 21                  | 3        |          |  |  |
| 10                      | 64QAM      | 25      | 25        | 20.35               | 20.55                  | 20.42                |                     |          |          |  |  |
| 10                      | 64QAM      | 50      | 0         | 20.42               | 20.54                  | 20.63                |                     |          |          |  |  |
| Channel                 |            |         |           | 18625               | 18900                  | 19175                | Tune-up limit (dBm) |          | MPR (dB) |  |  |
| Frequency (MHz)         |            |         |           | 18625               | 18900                  | 19175                |                     |          |          |  |  |
| 5                       | QPSK       | 1       | 0         | 23.29               | 23.46                  | 23.47                | 24                  | 0        |          |  |  |
| 5                       | QPSK       | 1       | 12        | 23.23               | 23.37                  | 23.39                |                     |          |          |  |  |
| 5                       | QPSK       | 1       | 24        | 23.20               | 23.24                  | 23.22                |                     |          |          |  |  |
| 5                       | QPSK       | 12      | 0         | 22.44               | 22.41                  | 22.34                | 23                  | 1        |          |  |  |
| 5                       | QPSK       | 12      | 7         | 22.40               | 22.44                  | 22.25                |                     |          |          |  |  |
| 5                       | QPSK       | 12      | 13        | 22.43               | 22.36                  | 22.31                |                     |          |          |  |  |
| 5                       | QPSK       | 25      | 0         | 22.43               | 22.50                  | 22.36                | 23                  | 1        |          |  |  |
| 5                       | 16QAM      | 1       | 0         | 22.40               | 22.49                  | 22.48                |                     |          |          |  |  |
| 5                       | 16QAM      | 1       | 12        | 22.45               | 22.51                  | 22.38                |                     |          |          |  |  |
| 5                       | 16QAM      | 1       | 24        | 22.33               | 22.47                  | 22.47                | 23                  | 1        |          |  |  |
| 5                       | 16QAM      | 12      | 0         | 21.44               | 21.50                  | 21.35                |                     |          |          |  |  |
| 5                       | 16QAM      | 12      | 7         | 21.32               | 21.42                  | 21.40                |                     |          |          |  |  |
| 5                       | 16QAM      | 12      | 13        | 21.34               | 21.47                  | 21.45                | 22                  | 2        |          |  |  |
| 5                       | 16QAM      | 25      | 0         | 21.31               | 21.41                  | 21.38                |                     |          |          |  |  |
| 5                       | 64QAM      | 1       | 0         | 21.28               | 21.43                  | 21.53                |                     |          |          |  |  |
| 5                       | 64QAM      | 1       | 12        | 21.48               | 21.44                  | 21.63                | 22                  | 2        |          |  |  |
| 5                       | 64QAM      | 1       | 24        | 21.37               | 21.43                  | 21.42                |                     |          |          |  |  |
| 5                       | 64QAM      | 12      | 0         | 20.29               | 20.57                  | 20.57                |                     |          |          |  |  |
| 5                       | 64QAM      | 12      | 7         | 20.24               | 20.61                  | 20.61                | 21                  | 3        |          |  |  |
| 5                       | 64QAM      | 12      | 13        | 20.35               | 20.46                  | 20.40                |                     |          |          |  |  |
| 5                       | 64QAM      | 25      | 0         | 20.29               | 20.57                  | 20.48                |                     |          |          |  |  |
| Channel                 |            |         |           | 18615               | 18900                  | 19185                | Tune-up limit (dBm) |          | MPR (dB) |  |  |
| Frequency (MHz)         |            |         |           | 18615               | 18900                  | 19185                |                     |          |          |  |  |
| 3                       | QPSK       | 1       | 0         | 23.28               | 23.48                  | 23.45                | 24                  | 0        |          |  |  |
| 3                       | QPSK       | 1       | 8         | 23.25               | 23.44                  | 23.36                |                     |          |          |  |  |
| 3                       | QPSK       | 1       | 14        | 23.28               | 23.32                  | 23.26                |                     |          |          |  |  |
| 3                       | QPSK       | 8       | 0         | 22.34               | 22.44                  | 22.40                | 23                  | 1        |          |  |  |
| 3                       | QPSK       | 8       | 4         | 22.31               | 22.45                  | 22.22                |                     |          |          |  |  |
| 3                       | QPSK       | 8       | 42        | 22.32               | 22.39                  | 22.28                |                     |          |          |  |  |
| 3                       | QPSK       | 15      | 0         | 22.34               | 22.47                  | 22.28                | 23                  | 1        |          |  |  |
| 3                       | 16QAM      | 1       | 0         | 22.38               | 22.48                  | 22.25                |                     |          |          |  |  |
| 3                       | 16QAM      | 1       | 8         | 22.43               | 22.41                  | 22.46                |                     |          |          |  |  |
| 3                       | 16QAM      | 1       | 14        | 22.32               | 22.39                  | 22.43                | 22                  | 2        |          |  |  |
| 3                       | 16QAM      | 8       | 0         | 21.42               | 21.52                  | 21.44                |                     |          |          |  |  |
| 3                       | 16QAM      | 8       | 4         | 21.34               | 21.35                  | 21.45                |                     |          |          |  |  |
| 3                       | 16QAM      | 8       | 7         | 21.31               | 21.45                  | 21.37                | 22                  | 2        |          |  |  |
| 3                       | 16QAM      | 15      | 0         | 21.25               | 21.46                  | 21.36                |                     |          |          |  |  |
| 3                       | 64QAM      | 1       | 0         | 21.35               | 21.65                  | 21.64                |                     |          |          |  |  |
| 3                       | 64QAM      | 1       | 8         | 21.40               | 21.63                  | 21.63                | 22                  | 2        |          |  |  |
| 3                       | 64QAM      | 1       | 14        | 21.30               | 21.56                  | 21.61                |                     |          |          |  |  |
| 3                       | 64QAM      | 8       | 0         | 20.32               | 20.45                  | 20.51                |                     |          |          |  |  |
| 3                       | 64QAM      | 8       | 4         | 20.41               | 20.64                  | 20.57                | 21                  | 3        |          |  |  |
| 3                       | 64QAM      | 8       | 7         | 20.41               | 20.63                  | 20.48                |                     |          |          |  |  |
| 3                       | 64QAM      | 15      | 0         | 20.40               | 20.58                  | 20.56                |                     |          |          |  |  |
| Channel                 |            |         |           | 18607               | 18900                  | 19193                | Tune-up limit (dBm) |          | MPR (dB) |  |  |
| Frequency (MHz)         |            |         |           | 18607               | 18900                  | 19193                |                     |          |          |  |  |
| 1.4                     | QPSK       | 1       | 0         | 23.38               | 23.45                  | 23.41                | 24                  | 0        |          |  |  |
| 1.4                     | QPSK       | 1       | 3         | 23.19               | 23.33                  | 23.43                |                     |          |          |  |  |
| 1.4                     | QPSK       | 1       | 5         | 23.25               | 23.29                  | 23.29                |                     |          |          |  |  |
| 1.4                     | QPSK       | 3       | 0         | 23.24               | 23.42                  | 23.38                | 23                  | 1        |          |  |  |
| 1.4                     | QPSK       | 3       | 1         | 23.24               | 23.45                  | 23.42                |                     |          |          |  |  |
| 1.4                     | QPSK       | 3       | 3         | 23.28               | 23.45                  | 23.42                |                     |          |          |  |  |
| 1.4                     | QPSK       | 6       | 0         | 22.37               | 22.45                  | 22.28                | 23                  | 1        |          |  |  |
| 1.4                     | 16QAM      | 1       | 0         | 22.34               | 22.48                  | 22.32                |                     |          |          |  |  |
| 1.4                     | 16QAM      | 1       | 3         | 22.29               | 22.31                  | 22.28                |                     |          |          |  |  |
| 1.4                     | 16QAM      | 1       | 5         | 22.44               | 22.40                  | 22.33                | 23                  | 1        |          |  |  |
| 1.4                     | 16QAM      | 3       | 0         | 22.43               | 22.50                  | 22.52                |                     |          |          |  |  |
| 1.4                     | 16QAM      | 3       | 1         | 22.44               | 22.42                  | 22.43                |                     |          |          |  |  |
| 1.4                     | 16QAM      | 3       | 3         | 22.33               | 22.38                  | 22.38                | 22                  | 2        |          |  |  |
| 1.4                     | 64QAM      | 1       | 0         | 21.32               | 21.65                  | 21.51                |                     |          |          |  |  |
| 1.4                     | 64QAM      | 1       | 3         | 21.27               | 21.55                  | 21.40                |                     |          |          |  |  |
| 1.4                     | 64QAM      | 1       | 5         | 21.35               | 21.53                  | 21.41                | 22                  | 2        |          |  |  |
| 1.4                     | 64QAM      | 3       | 0         | 21.45               | 21.47                  | 21.42                |                     |          |          |  |  |
| 1.4                     | 64QAM      | 3       | 1         | 21.43               | 21.51                  | 21.41                |                     |          |          |  |  |
| 1.4                     | 64QAM      | 3       | 3         | 21.27               | 21.50                  | 21.48                | 21                  | 3        |          |  |  |
| 1.4                     | 64QAM      | 6       | 0         | 20.26               | 20.55                  | 20.49                |                     |          |          |  |  |

| Band 30 Ant 9 Full power |            |         |           |                       |                          |                        |                     |          |
|--------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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                  |            |         |           | 27710                 |                          |                        | 25                  | 0        |
| Frequency (MHz)          |            |         |           | 2310                  |                          |                        |                     |          |
| 10                       | QPSK       | 1       | 0         |                       | 24.11                    |                        | 24                  | 1        |
| 10                       | QPSK       | 1       | 25        |                       | 23.98                    |                        |                     |          |
| 10                       | QPSK       | 1       | 49        |                       | 23.91                    |                        |                     |          |
| 10                       | QPSK       | 25      | 0         |                       | 23.13                    |                        | 24                  | 1        |
| 10                       | QPSK       | 25      | 12        |                       | 23.01                    |                        |                     |          |
| 10                       | QPSK       | 25      | 25        |                       | 22.95                    |                        |                     |          |
| 10                       | QPSK       | 50      | 0         |                       | 23.01                    |                        | 24                  | 1        |
| 10                       | 16QAM      | 1       | 0         |                       | 23.15                    |                        |                     |          |
| 10                       | 16QAM      | 1       | 25        |                       | 23.12                    |                        |                     |          |
| 10                       | 16QAM      | 1       | 49        |                       | 23.01                    |                        | 23                  | 2        |
| 10                       | 16QAM      | 25      | 0         |                       | 22.12                    |                        |                     |          |
| 10                       | 16QAM      | 25      | 12        |                       | 22.00                    |                        |                     |          |
| 10                       | 16QAM      | 25      | 25        |                       | 22.08                    |                        | 23                  | 2        |
| 10                       | 16QAM      | 50      | 0         |                       | 21.96                    |                        |                     |          |
| 10                       | 64QAM      | 1       | 0         |                       | 22.07                    |                        |                     |          |
| 10                       | 64QAM      | 1       | 25        |                       | 22.20                    |                        | 23                  | 2        |
| 10                       | 64QAM      | 1       | 49        |                       | 22.09                    |                        |                     |          |
| 10                       | 64QAM      | 25      | 0         |                       | 21.22                    |                        |                     |          |
| 10                       | 64QAM      | 25      | 12        |                       | 21.23                    |                        | 22                  | 3        |
| 10                       | 64QAM      | 25      | 25        |                       | 21.06                    |                        |                     |          |
| 10                       | 64QAM      | 50      | 0         |                       | 21.21                    |                        |                     |          |
| Channel                  |            |         |           | 27685                 | 27710                    | 27735                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz)          |            |         |           | 2307.5                | 2310                     | 2312.5                 |                     |          |
| 5                        | QPSK       | 1       | 0         | 24.04                 | 24.06                    | 24.00                  | 25                  | 0        |
| 5                        | QPSK       | 1       | 12        | 23.90                 | 23.83                    | 23.94                  |                     |          |
| 5                        | QPSK       | 1       | 24        | 23.88                 | 23.79                    | 23.77                  |                     |          |
| 5                        | QPSK       | 12      | 0         | 23.06                 | 23.00                    | 22.99                  | 24                  | 1        |
| 5                        | QPSK       | 12      | 7         | 22.89                 | 22.90                    | 22.91                  |                     |          |
| 5                        | QPSK       | 12      | 13        | 22.90                 | 22.81                    | 22.87                  |                     |          |
| 5                        | QPSK       | 25      | 0         | 22.93                 | 22.97                    | 22.88                  | 24                  | 1        |
| 5                        | 16QAM      | 1       | 0         | 23.04                 | 23.07                    | 23.10                  |                     |          |
| 5                        | 16QAM      | 1       | 12        | 23.01                 | 23.07                    | 23.03                  |                     |          |
| 5                        | 16QAM      | 1       | 24        | 22.91                 | 22.91                    | 22.90                  | 24                  | 1        |
| 5                        | 16QAM      | 12      | 0         | 22.00                 | 22.07                    | 22.01                  |                     |          |
| 5                        | 16QAM      | 12      | 7         | 21.88                 | 21.93                    | 21.89                  |                     |          |
| 5                        | 16QAM      | 12      | 13        | 22.01                 | 21.98                    | 21.96                  | 23                  | 2        |
| 5                        | 16QAM      | 25      | 0         | 21.82                 | 21.85                    | 21.82                  |                     |          |
| 5                        | 64QAM      | 1       | 0         | 21.92                 | 22.12                    | 22.06                  |                     |          |
| 5                        | 64QAM      | 1       | 12        | 22.04                 | 22.16                    | 22.07                  | 23                  | 2        |
| 5                        | 64QAM      | 1       | 24        | 22.05                 | 22.10                    | 22.06                  |                     |          |
| 5                        | 64QAM      | 12      | 0         | 20.98                 | 21.08                    | 20.96                  |                     |          |
| 5                        | 64QAM      | 12      | 7         | 21.07                 | 21.10                    | 20.97                  | 22                  | 3        |
| 5                        | 64QAM      | 12      | 13        | 21.03                 | 21.16                    | 20.96                  |                     |          |
| 5                        | 64QAM      | 25      | 0         | 21.16                 | 21.02                    | 20.96                  |                     |          |

| Band 48 Ant 9 Full power |            |         |           |                             |                                    |                                     |                              |                        |             |  |
|--------------------------|------------|---------|-----------|-----------------------------|------------------------------------|-------------------------------------|------------------------------|------------------------|-------------|--|
| BW [MHz]                 | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Low Middle<br>Ch. / Freq. | Power<br>High Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel                  |            |         |           | 55340                       | 55830                              | 56150                               | 56640                        | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz)          |            |         |           | 3560                        | 3609                               | 3641                                | 3690                         |                        |             |  |
| 20                       | QPSK       | 1       | 0         | 24.69                       | 24.75                              | 24.68                               | 24.72                        | 25                     | 0           |  |
| 20                       | QPSK       | 1       | 49        | 24.62                       | 24.70                              | 24.48                               | 24.57                        |                        |             |  |
| 20                       | QPSK       | 1       | 99        | 24.64                       | 24.63                              | 24.60                               | 24.73                        |                        |             |  |
| 20                       | QPSK       | 50      | 0         | 23.74                       | 23.93                              | 23.61                               | 23.69                        |                        |             |  |
| 20                       | QPSK       | 50      | 24        | 23.66                       | 23.76                              | 23.50                               | 23.77                        | 24                     | 1           |  |
| 20                       | QPSK       | 50      | 50        | 23.68                       | 23.77                              | 23.70                               | 23.57                        |                        |             |  |
| 20                       | QPSK       | 100     | 0         | 23.72                       | 23.73                              | 23.61                               | 23.64                        |                        |             |  |
| 20                       | 16QAM      | 1       | 0         | 23.85                       | 23.91                              | 23.73                               | 23.87                        |                        |             |  |
| 20                       | 16QAM      | 1       | 49        | 23.68                       | 23.82                              | 23.64                               | 23.84                        | 24                     | 1           |  |
| 20                       | 16QAM      | 1       | 99        | 23.67                       | 23.79                              | 23.65                               | 23.76                        |                        |             |  |
| 20                       | 16QAM      | 50      | 0         | 22.81                       | 22.80                              | 22.61                               | 22.81                        |                        |             |  |
| 20                       | 16QAM      | 50      | 24        | 22.59                       | 22.76                              | 22.60                               | 22.68                        |                        |             |  |
| 20                       | 16QAM      | 50      | 50        | 22.79                       | 22.90                              | 22.62                               | 22.73                        | 23                     | 2           |  |
| 20                       | 16QAM      | 100     | 0         | 22.71                       | 22.83                              | 22.43                               | 22.68                        |                        |             |  |
| 20                       | 64QAM      | 1       | 0         | 22.75                       | 22.80                              | 22.67                               | 22.75                        |                        |             |  |
| 20                       | 64QAM      | 1       | 49        | 22.74                       | 22.89                              | 22.66                               | 22.73                        |                        |             |  |
| 20                       | 64QAM      | 1       | 99        | 22.77                       | 22.69                              | 22.53                               | 22.64                        | 23                     | 2           |  |
| 20                       | 64QAM      | 50      | 0         | 21.79                       | 21.79                              | 21.77                               | 21.61                        |                        |             |  |
| 20                       | 64QAM      | 50      | 24        | 21.68                       | 21.89                              | 21.57                               | 21.68                        |                        |             |  |
| 20                       | 64QAM      | 50      | 50        | 21.70                       | 21.87                              | 21.60                               | 21.71                        |                        |             |  |
| 20                       | 64QAM      | 100     | 0         | 21.60                       | 21.68                              | 21.63                               | 21.61                        | 22                     | 3           |  |
| Channel                  |            |         |           | 55315                       | 55820                              | 56160                               | 56665                        |                        |             |  |
| Frequency (MHz)          |            |         |           | 3557.5                      | 3608                               | 3642                                | 3692.5                       |                        |             |  |
| 15                       | QPSK       | 1       | 0         | 24.61                       | 24.61                              | 24.60                               | 24.61                        | 25                     | 0           |  |
| 15                       | QPSK       | 1       | 37        | 24.51                       | 24.60                              | 24.38                               | 24.49                        |                        |             |  |
| 15                       | QPSK       | 1       | 74        | 24.57                       | 24.50                              | 24.56                               | 24.64                        |                        |             |  |
| 15                       | QPSK       | 36      | 0         | 23.67                       | 23.80                              | 23.56                               | 23.65                        |                        |             |  |
| 15                       | QPSK       | 36      | 20        | 23.54                       | 23.70                              | 23.40                               | 23.65                        | 24                     | 1           |  |
| 15                       | QPSK       | 36      | 39        | 23.56                       | 23.65                              | 23.57                               | 23.47                        |                        |             |  |
| 15                       | QPSK       | 75      | 0         | 23.67                       | 23.65                              | 23.56                               | 23.53                        |                        |             |  |
| 15                       | 16QAM      | 1       | 0         | 23.73                       | 23.78                              | 23.70                               | 23.73                        |                        |             |  |
| 15                       | 16QAM      | 1       | 37        | 23.56                       | 23.78                              | 23.51                               | 23.76                        | 24                     | 1           |  |
| 15                       | 16QAM      | 1       | 74        | 23.65                       | 23.65                              | 23.51                               | 23.62                        |                        |             |  |
| 15                       | 16QAM      | 36      | 0         | 22.77                       | 22.70                              | 22.53                               | 22.78                        |                        |             |  |
| 15                       | 16QAM      | 36      | 20        | 22.57                       | 22.74                              | 22.52                               | 22.62                        |                        |             |  |
| 15                       | 16QAM      | 36      | 39        | 22.76                       | 22.82                              | 22.54                               | 22.60                        | 23                     | 2           |  |
| 15                       | 16QAM      | 75      | 0         | 22.60                       | 22.75                              | 22.39                               | 22.59                        |                        |             |  |
| 15                       | 64QAM      | 1       | 0         | 22.65                       | 22.74                              | 22.60                               | 22.73                        |                        |             |  |
| 15                       | 64QAM      | 1       | 37        | 22.72                       | 22.76                              | 22.57                               | 22.66                        |                        |             |  |
| 15                       | 64QAM      | 1       | 74        | 22.75                       | 22.55                              | 22.47                               | 22.54                        | 23                     | 2           |  |
| 15                       | 64QAM      | 36      | 0         | 21.70                       | 21.76                              | 21.72                               | 21.58                        |                        |             |  |
| 15                       | 64QAM      | 36      | 20        | 21.65                       | 21.85                              | 21.45                               | 21.60                        |                        |             |  |
| 15                       | 64QAM      | 36      | 39        | 21.65                       | 21.80                              | 21.56                               | 21.63                        |                        |             |  |
| 15                       | 64QAM      | 75      | 0         | 21.51                       | 21.63                              | 21.59                               | 21.51                        | 22                     | 3           |  |
| Channel                  |            |         |           | 55290                       | 55815                              | 56165                               | 56690                        |                        |             |  |
| Frequency (MHz)          |            |         |           | 3555                        | 3607.5                             | 3642.5                              | 3695                         |                        |             |  |
| 10                       | QPSK       | 1       | 0         | 24.58                       | 24.62                              | 24.64                               | 24.62                        | 25                     | 0           |  |
| 10                       | QPSK       | 1       | 25        | 24.49                       | 24.66                              | 24.34                               | 24.52                        |                        |             |  |
| 10                       | QPSK       | 1       | 49        | 24.52                       | 24.50                              | 24.53                               | 24.66                        |                        |             |  |
| 10                       | QPSK       | 25      | 0         | 23.71                       | 23.86                              | 23.56                               | 23.58                        |                        |             |  |
| 10                       | QPSK       | 25      | 12        | 23.63                       | 23.74                              | 23.41                               | 23.72                        | 24                     | 1           |  |
| 10                       | QPSK       | 25      | 25        | 23.55                       | 23.70                              | 23.62                               | 23.50                        |                        |             |  |
| 10                       | QPSK       | 50      | 0         | 23.64                       | 23.69                              | 23.48                               | 23.55                        |                        |             |  |
| 10                       | 16QAM      | 1       | 0         | 23.76                       | 23.84                              | 23.69                               | 23.80                        |                        |             |  |
| 10                       | 16QAM      | 1       | 25        | 23.64                       | 23.77                              | 23.54                               | 23.78                        | 24                     | 1           |  |
| 10                       | 16QAM      | 1       | 49        | 23.60                       | 23.77                              | 23.61                               | 23.64                        |                        |             |  |
| 10                       | 16QAM      | 25      | 0         | 22.70                       | 22.73                              | 22.59                               | 22.77                        |                        |             |  |
| 10                       | 16QAM      | 25      | 12        | 22.50                       | 22.64                              | 22.48                               | 22.56                        |                        |             |  |
| 10                       | 16QAM      | 25      | 25        | 22.67                       | 22.87                              | 22.54                               | 22.68                        | 23                     | 2           |  |
| 10                       | 16QAM      | 50      | 0         | 22.60                       | 22.69                              | 22.30                               | 22.55                        |                        |             |  |
| 10                       | 64QAM      | 1       | 0         | 22.68                       | 22.74                              | 22.55                               | 22.68                        |                        |             |  |
| 10                       | 64QAM      | 1       | 25        | 22.70                       | 22.78                              | 22.64                               | 22.59                        |                        |             |  |
| 10                       | 64QAM      | 1       | 49        | 22.74                       | 22.58                              | 22.45                               | 22.52                        | 23                     | 2           |  |
| 10                       | 64QAM      | 25      | 0         | 21.69                       | 21.77                              | 21.70                               | 21.57                        |                        |             |  |
| 10                       | 64QAM      | 25      | 12        | 21.65                       | 21.81                              | 21.47                               | 21.62                        |                        |             |  |
| 10                       | 64QAM      | 25      | 25        | 21.56                       | 21.80                              | 21.50                               | 21.58                        |                        |             |  |
| 10                       | 64QAM      | 50      | 0         | 21.54                       | 21.55                              | 21.58                               | 21.52                        | 22                     | 3           |  |
| Channel                  |            |         |           | 55265                       | 55810                              | 56170                               | 56715                        |                        |             |  |
| Frequency (MHz)          |            |         |           | 3552.5                      | 3607                               | 3643                                | 3697.5                       |                        |             |  |
| 5                        | QPSK       | 1       | 0         | 24.60                       | 24.62                              | 24.57                               | 24.69                        | 25                     | 0           |  |
| 5                        | QPSK       | 1       | 12        | 24.59                       | 24.64                              | 24.44                               | 24.52                        |                        |             |  |
| 5                        | QPSK       | 1       | 24        | 24.52                       | 24.51                              | 24.47                               | 24.68                        |                        |             |  |
| 5                        | QPSK       | 12      | 0         | 23.63                       | 23.90                              | 23.48                               | 23.65                        |                        |             |  |
| 5                        | QPSK       | 12      | 7         | 23.52                       | 23.64                              | 23.46                               | 23.72                        | 24                     | 1           |  |
| 5                        | QPSK       | 12      | 13        | 23.65                       | 23.65                              | 23.60                               | 23.55                        |                        |             |  |
| 5                        | QPSK       | 25      | 0         | 23.69                       | 23.60                              | 23.48                               | 23.61                        |                        |             |  |
| 5                        | 16QAM      | 1       | 0         | 23.80                       | 23.82                              | 23.60                               | 23.74                        |                        |             |  |
| 5                        | 16QAM      | 1       | 12        | 23.63                       | 23.75                              | 23.50                               | 23.74                        | 24                     | 1           |  |
| 5                        | 16QAM      | 1       | 24        | 23.60                       | 23.69                              | 23.58                               | 23.65                        |                        |             |  |
| 5                        | 16QAM      | 12      | 0         | 22.73                       | 22.69                              | 22.59                               | 22.75                        |                        |             |  |
| 5                        | 16QAM      | 12      | 7         | 22.54                       | 22.72                              | 22.49                               | 22.59                        |                        |             |  |
| 5                        | 16QAM      | 12      | 13        | 22.71                       | 22.76                              | 22.58                               | 22.65                        | 23                     | 2           |  |
| 5                        | 16QAM      | 25      | 0         | 22.67                       | 22.69                              | 22.34                               | 22.56                        |                        |             |  |
| 5                        | 64QAM      | 1       | 0         | 22.71                       | 22.78                              | 22.58                               | 22.64                        |                        |             |  |
| 5                        | 64QAM      | 1       | 12        | 22.62                       | 22.86                              | 22.53                               | 22.62                        |                        |             |  |
| 5                        | 64QAM      | 1       | 24        | 22.64                       | 22.58                              | 22.47                               | 22.55                        | 23                     | 2           |  |
| 5                        | 64QAM      | 12      | 0         | 21.71                       | 21.68                              | 21.74                               | 21.54                        |                        |             |  |
| 5                        | 64QAM      | 12      | 7         | 21.62                       | 21.80                              | 21.45                               | 21.54                        |                        |             |  |
| 5                        | 64QAM      | 12      | 13        | 21.65                       | 21.83                              | 21.56                               | 21.67                        |                        |             |  |
| 5                        | 64QAM      | 25      | 0         | 21.54                       | 21.62                              | 21.58                               | 21.58                        | 22                     | 3           |  |

Band 2 Ant 1

| Band 2 Ant 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         |            |         |           |                       |                          |                        |                     |          |  |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |  |
| 20              | QPSK       | 1       | 0         | 17.13                 | 17.35                    | 1900                   | 18                  | 0        |  |  |  |
| 20              | QPSK       | 1       | 49        | 17.06                 | 17.25                    | 17.16                  |                     |          |  |  |  |
| 20              | QPSK       | 1       | 99        | 17.05                 | 17.22                    | 17.16                  |                     |          |  |  |  |
| 20              | QPSK       | 50      | 0         | 17.04                 | 17.27                    | 17.18                  |                     |          |  |  |  |
| 20              | QPSK       | 50      | 24        | 17.05                 | 17.24                    | 17.20                  | 18                  | 0        |  |  |  |
| 20              | QPSK       | 50      | 50        | 17.14                 | 17.21                    | 17.11                  |                     |          |  |  |  |
| 20              | QPSK       | 100     | 0         | 17.07                 | 17.28                    | 17.15                  |                     |          |  |  |  |
| 20              | 16QAM      | 1       | 0         | 17.13                 | 17.24                    | 17.10                  |                     |          |  |  |  |
| 20              | 16QAM      | 1       | 49        | 17.13                 | 17.28                    | 17.12                  | 18                  | 0        |  |  |  |
| 20              | 16QAM      | 1       | 99        | 17.07                 | 17.25                    | 17.16                  |                     |          |  |  |  |
| 20              | 16QAM      | 50      | 0         | 17.12                 | 17.30                    | 17.18                  |                     |          |  |  |  |
| 20              | 16QAM      | 50      | 24        | 17.05                 | 17.23                    | 17.15                  |                     |          |  |  |  |
| 20              | 16QAM      | 50      | 50        | 17.14                 | 17.33                    | 17.20                  | 18                  | 0        |  |  |  |
| 20              | 16QAM      | 100     | 0         | 17.11                 | 17.27                    | 17.16                  |                     |          |  |  |  |
| 20              | 16QAM      | 1       | 0         | 17.11                 | 17.32                    | 17.13                  |                     |          |  |  |  |
| 20              | 16QAM      | 1       | 49        | 17.06                 | 17.26                    | 17.14                  |                     |          |  |  |  |
| 20              | 16QAM      | 1       | 99        | 17.03                 | 17.31                    | 17.09                  | 18                  | 0        |  |  |  |
| 20              | 16QAM      | 50      | 0         | 17.10                 | 17.31                    | 17.12                  |                     |          |  |  |  |
| 20              | 16QAM      | 50      | 24        | 17.04                 | 17.32                    | 17.11                  |                     |          |  |  |  |
| 20              | 16QAM      | 50      | 50        | 17.14                 | 17.33                    | 17.17                  |                     |          |  |  |  |
| 20              | 16QAM      | 100     | 0         | 17.14                 | 17.25                    | 17.09                  | 18                  | 0        |  |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |  |
| 15              | QPSK       | 1       | 0         | 17.10                 | 17.21                    | 19150                  | 18                  | 0        |  |  |  |
| 15              | QPSK       | 1       | 37        | 17.02                 | 17.20                    | 17.16                  |                     |          |  |  |  |
| 15              | QPSK       | 1       | 74        | 17.02                 | 17.20                    | 17.13                  |                     |          |  |  |  |
| 15              | QPSK       | 36      | 0         | 17.02                 | 17.18                    | 17.10                  |                     |          |  |  |  |
| 15              | QPSK       | 36      | 20        | 17.05                 | 17.13                    | 17.14                  | 18                  | 0        |  |  |  |
| 15              | QPSK       | 36      | 39        | 17.10                 | 17.16                    | 17.00                  |                     |          |  |  |  |
| 15              | QPSK       | 75      | 0         | 17.05                 | 17.24                    | 17.07                  |                     |          |  |  |  |
| 15              | 16QAM      | 1       | 0         | 17.05                 | 17.16                    | 17.10                  |                     |          |  |  |  |
| 15              | 16QAM      | 1       | 37        | 17.03                 | 17.25                    | 17.10                  | 18                  | 0        |  |  |  |
| 15              | 16QAM      | 1       | 74        | 17.04                 | 17.22                    | 17.09                  |                     |          |  |  |  |
| 15              | 16QAM      | 36      | 0         | 17.02                 | 17.21                    | 17.06                  |                     |          |  |  |  |
| 15              | 16QAM      | 36      | 20        | 17.01                 | 17.18                    | 17.07                  |                     |          |  |  |  |
| 15              | 16QAM      | 36      | 39        | 17.12                 | 17.22                    | 17.15                  | 18                  | 0        |  |  |  |
| 15              | 16QAM      | 75      | 0         | 17.08                 | 17.27                    | 17.09                  |                     |          |  |  |  |
| 15              | 16QAM      | 75      | 0         | 17.04                 | 17.21                    | 17.07                  |                     |          |  |  |  |
| 15              | 16QAM      | 75      | 0         | 17.04                 | 17.28                    | 17.02                  |                     |          |  |  |  |
| 15              | 16QAM      | 1       | 37        | 17.00                 | 17.24                    | 17.11                  | 18                  | 0        |  |  |  |
| 15              | 16QAM      | 1       | 74        | 17.02                 | 17.22                    | 17.04                  |                     |          |  |  |  |
| 15              | 16QAM      | 36      | 0         | 17.02                 | 17.26                    | 17.10                  |                     |          |  |  |  |
| 15              | 16QAM      | 36      | 20        | 17.01                 | 17.27                    | 17.04                  |                     |          |  |  |  |
| 15              | 16QAM      | 36      | 39        | 17.12                 | 17.27                    | 17.15                  | 18                  | 0        |  |  |  |
| 15              | 16QAM      | 75      | 0         | 17.04                 | 17.21                    | 17.07                  |                     |          |  |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |  |
| 10              | QPSK       | 1       | 0         | 17.12                 | 17.11                    | 19150                  | 18                  | 0        |  |  |  |
| 10              | QPSK       | 1       | 25        | 17.03                 | 17.23                    | 17.11                  |                     |          |  |  |  |
| 10              | QPSK       | 1       | 49        | 17.00                 | 17.17                    | 17.08                  |                     |          |  |  |  |
| 10              | QPSK       | 25      | 0         | 17.03                 | 17.17                    | 17.14                  |                     |          |  |  |  |
| 10              | QPSK       | 25      | 12        | 17.01                 | 17.19                    | 17.16                  | 18                  | 0        |  |  |  |
| 10              | QPSK       | 25      | 25        | 17.13                 | 17.18                    | 17.03                  |                     |          |  |  |  |
| 10              | QPSK       | 50      | 0         | 17.04                 | 17.19                    | 17.01                  |                     |          |  |  |  |
| 10              | 16QAM      | 1       | 0         | 17.02                 | 17.23                    | 17.14                  |                     |          |  |  |  |
| 10              | 16QAM      | 1       | 25        | 17.07                 | 17.27                    | 17.05                  | 18                  | 0        |  |  |  |
| 10              | 16QAM      | 1       | 49        | 17.01                 | 17.18                    | 17.08                  |                     |          |  |  |  |
| 10              | 16QAM      | 25      | 0         | 17.07                 | 17.19                    | 17.17                  |                     |          |  |  |  |
| 10              | 16QAM      | 25      | 12        | 17.01                 | 17.16                    | 17.13                  |                     |          |  |  |  |
| 10              | 16QAM      | 25      | 25        | 17.06                 | 17.26                    | 17.09                  | 18                  | 0        |  |  |  |
| 10              | 16QAM      | 50      | 0         | 17.06                 | 17.18                    | 17.09                  |                     |          |  |  |  |
| 10              | 16QAM      | 1       | 0         | 17.07                 | 17.24                    | 17.09                  |                     |          |  |  |  |
| 10              | 16QAM      | 1       | 25        | 17.11                 | 17.18                    | 17.12                  |                     |          |  |  |  |
| 10              | 16QAM      | 1       | 49        | 17.00                 | 17.23                    | 17.13                  | 18                  | 0        |  |  |  |
| 10              | 16QAM      | 25      | 0         | 17.10                 | 17.26                    | 17.06                  |                     |          |  |  |  |
| 10              | 16QAM      | 25      | 12        | 17.05                 | 17.21                    | 17.10                  |                     |          |  |  |  |
| 10              | 16QAM      | 25      | 25        | 17.07                 | 17.21                    | 17.10                  |                     |          |  |  |  |
| 10              | 16QAM      | 50      | 0         | 17.12                 | 17.18                    | 17.04                  | 18                  | 0        |  |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |  |
| 5               | QPSK       | 1       | 0         | 17.05                 | 17.11                    | 19150                  | 18                  | 0        |  |  |  |
| 5               | QPSK       | 1       | 12        | 17.05                 | 17.13                    | 17.08                  |                     |          |  |  |  |
| 5               | QPSK       | 1       | 24        | 17.04                 | 17.18                    | 17.12                  |                     |          |  |  |  |
| 5               | QPSK       | 12      | 0         | 17.06                 | 17.16                    | 17.13                  |                     |          |  |  |  |
| 5               | QPSK       | 12      | 7         | 17.03                 | 17.18                    | 17.13                  | 18                  | 0        |  |  |  |
| 5               | QPSK       | 12      | 13        | 17.07                 | 17.16                    | 17.07                  |                     |          |  |  |  |
| 5               | QPSK       | 25      | 0         | 17.06                 | 17.16                    | 17.04                  |                     |          |  |  |  |
| 5               | 16QAM      | 1       | 0         | 17.03                 | 17.23                    | 17.06                  |                     |          |  |  |  |
| 5               | 16QAM      | 1       | 12        | 17.10                 | 17.16                    | 17.03                  | 18                  | 0        |  |  |  |
| 5               | 16QAM      | 1       | 24        | 17.03                 | 17.24                    | 17.14                  |                     |          |  |  |  |
| 5               | 16QAM      | 12      | 0         | 17.09                 | 17.24                    | 17.09                  |                     |          |  |  |  |
| 5               | 16QAM      | 12      | 7         | 17.01                 | 17.16                    | 17.08                  |                     |          |  |  |  |
| 5               | 16QAM      | 12      | 13        | 17.13                 | 17.22                    | 17.13                  | 18                  | 0        |  |  |  |
| 5               | 16QAM      | 25      | 0         | 17.03                 | 17.15                    | 17.04                  |                     |          |  |  |  |
| 5               | 16QAM      | 25      | 0         | 17.07                 | 17.21                    | 17.04                  |                     |          |  |  |  |
| 5               | 16QAM      | 25      | 12        | 17.03                 | 17.25                    | 17.06                  |                     |          |  |  |  |
| 5               | 16QAM      | 1       | 24        | 17.05                 | 17.20                    | 17.10                  | 18                  | 0        |  |  |  |
| 5               | 16QAM      | 12      | 0         | 17.00                 | 17.20                    | 17.10                  |                     |          |  |  |  |
| 5               | 16QAM      | 12      | 7         | 17.05                 | 17.24                    | 17.08                  |                     |          |  |  |  |
| 5               | 16QAM      | 12      | 13        | 17.05                 | 17.28                    | 17.11                  |                     |          |  |  |  |
| 5               | 16QAM      | 25      | 0         | 17.04                 | 17.21                    | 17.00                  | 18                  | 0        |  |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |  |
| 3               | QPSK       | 1       | 0         | 17.03                 | 17.19                    | 19193                  | 18                  | 0        |  |  |  |
| 3               | QPSK       | 1       | 8         | 17.01                 | 17.20                    | 17.10                  |                     |          |  |  |  |
| 3               | QPSK       | 1       | 14        | 17.02                 | 17.20                    | 17.09                  |                     |          |  |  |  |
| 3               | QPSK       | 8       | 0         | 17.00                 | 17.24                    | 17.13                  |                     |          |  |  |  |
| 3               | QPSK       | 8       | 4         | 17.04                 | 17.21                    | 17.19                  | 18                  | 0        |  |  |  |
| 3               | QPSK       | 8       | 7         | 17.10                 | 17.10                    | 17.04                  |                     |          |  |  |  |
| 3               | QPSK       | 15      | 0         | 17.03                 | 17.16                    | 17.06                  |                     |          |  |  |  |
| 3               | 16QAM      | 1       | 0         | 17.12                 | 17.20                    | 17.05                  |                     |          |  |  |  |
| 3               | 16QAM      | 1       | 8         | 17.10                 | 17.27                    | 17.09                  | 18                  | 0        |  |  |  |
| 3               | 16QAM      | 1       | 14        | 17.07                 | 17.15                    | 17.10                  |                     |          |  |  |  |
| 3               | 16QAM      | 8       | 0         | 17.02                 | 17.26                    | 17.15                  |                     |          |  |  |  |
| 3               | 16QAM      | 8       | 4         | 17.03                 | 17.14                    | 17.10                  |                     |          |  |  |  |
| 3               | 16QAM      | 8       | 7         | 17.13                 | 17.29                    | 17.10                  | 18                  | 0        |  |  |  |
| 3               | 16QAM      | 15      | 0         | 17.00                 | 17.27                    | 17.15                  |                     |          |  |  |  |
| 3               | 16QAM      | 1       | 0         | 17.07                 | 17.26                    | 17.06                  |                     |          |  |  |  |
| 3               | 16QAM      | 1       | 8         | 17.03                 | 17.24                    | 17.03                  |                     |          |  |  |  |
| 3               | 16QAM      | 1       | 14        | 17.04                 | 17.28                    | 17.01                  | 18                  | 0        |  |  |  |
| 3               | 16QAM      | 8       | 0         | 17.03                 | 17.25                    | 17.04                  |                     |          |  |  |  |
| 3               | 16QAM      | 8       | 4         | 17.03                 | 17.23                    | 17.01                  |                     |          |  |  |  |
| 3               | 16QAM      | 8       | 7         | 17.04                 | 17.22                    | 17.08                  |                     |          |  |  |  |
| 3               | 16QAM      | 15      | 0         | 17.06                 | 17.23                    | 17.06                  | 18                  | 0        |  |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |  |
| 1.4             | QPSK       | 1       | 0         | 17.07                 | 17.15                    | 19193                  | 18                  | 0        |  |  |  |
| 1.4             | QPSK       | 1       | 3         | 17.03                 | 17.24                    | 17.14                  |                     |          |  |  |  |
| 1.4             | QPSK       | 1       | 5         | 17.04                 | 17.22                    | 17.12                  |                     |          |  |  |  |
| 1.4             | QPSK       | 3       | 0         | 17.04                 | 17.23                    | 17.08                  |                     |          |  |  |  |
| 1.4             | QPSK       | 3       | 1         | 17.02                 | 17.23                    | 17.09                  | 18                  | 0        |  |  |  |
| 1.4             | QPSK       | 3       | 3         | 17.07                 | 17.13                    | 17.02                  |                     |          |  |  |  |
| 1.4             | QPSK       | 6       | 0         | 17.02                 | 17.16                    | 17.03                  |                     |          |  |  |  |
| 1.4             | 16QAM      | 1       | 0         | 17.07                 | 17.14                    | 17.12                  |                     |          |  |  |  |
| 1.4             | 16QAM      | 1       | 3         | 17.03                 | 17.25                    | 17.10                  | 18                  | 0        |  |  |  |
| 1.4             | 16QAM      | 1       | 5         | 17.02                 | 17.19                    | 17.12                  |                     |          |  |  |  |
| 1.4             | 16QAM      | 3       | 0         | 17.05                 | 17.23                    | 17.15                  |                     |          |  |  |  |
| 1.4             | 16QAM      | 3       | 1         | 17.03                 | 17.20                    | 17.12                  |                     |          |  |  |  |
| 1.4             | 16QAM      | 3       | 3         | 17.12                 | 17.31                    | 17.12                  | 18                  | 0        |  |  |  |
| 1.4             | 16QAM      | 6       | 0         | 17.03                 | 17.18                    | 17.10                  |                     |          |  |  |  |
| 1.4             | 16QAM      | 1       | 0         | 17.10                 | 17.29                    | 17.08                  |                     |          |  |  |  |
| 1.4             | 16QAM      | 1       | 3         | 17.02                 | 17.25                    | 17.07                  |                     |          |  |  |  |
| 1.4             | 16QAM      | 1       | 5         | 17.06                 | 17.20                    | 17.01                  | 18                  | 0        |  |  |  |
| 1.4             | 16QAM      | 3       | 0         | 17.07                 | 17.21                    | 17.08                  |                     |          |  |  |  |
| 1.4             | 16QAM      | 3       | 1         | 17.01                 | 17.29                    | 17.06                  |                     |          |  |  |  |
| 1.4             | 16QAM      | 3       | 3         | 17.13                 | 17.24                    | 17.07                  |                     |          |  |  |  |
| 1.4             | 16QAM      | 6       | 0         | 17.12                 | 17.21                    | 17.01                  | 18                  | 0        |  |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |  |
| 1.4             | QPSK       | 1       | 0         | 17.07                 | 17.15                    | 19193                  | 18                  | 0        |  |  |  |
| 1.4             | QPSK       | 1       | 3         | 17.03                 | 17.24                    | 17.14                  |                     |          |  |  |  |
| 1.4             | QPSK       | 1       | 5         | 17.04                 | 17.22                    | 17.12                  |                     |          |  |  |  |
| 1.4             | QPSK       | 3       | 0         | 17.04                 | 17.23                    | 17.08                  |                     |          |  |  |  |
| 1.4             | QPSK       | 3       | 1         | 17.02                 | 17.23                    | 17.09                  | 18                  | 0        |  |  |  |
| 1.4             | QPSK       | 3       | 3         | 17.07                 | 17.13                    | 17.02                  |                     |          |  |  |  |
| 1.4             | QPSK       | 6       | 0         | 17.02                 | 17.16                    | 17.03                  |                     |          |  |  |  |
| 1.4             | 16QAM      | 1       | 0         | 17.07                 | 17.14                    | 17.12                  |                     |          |  |  |  |
| 1.4             | 16QAM      | 1       | 3         | 17.03                 | 17.25                    | 17.10                  | 18                  | 0        |  |  |  |
| 1.4             | 16QAM      | 1       | 5         | 17.02                 | 17.19                    | 17.12                  |                     |          |  |  |  |
| 1.4             | 16QAM      | 3       | 0         | 17.05                 | 17.23                    | 17.15                  |                     |          |  |  |  |
| 1.4             | 16QAM      | 3       | 1         | 17.03                 | 17.20                    | 17.12                  |                     |          |  |  |  |
| 1.4             | 16QAM      | 3       | 3         | 17.12                 | 17.31                    | 17.12                  | 18                  | 0        |  |  |  |
| 1.4             | 16QAM      | 6       | 0         | 17.03                 | 17.18                    | 17.10                  |                     |          |  |  |  |
| 1.4             | 16QAM      | 1       | 0         | 17.10                 | 17.29                    | 17.08                  |                     |          |  |  |  |
| 1.4             | 16QAM      | 1       | 3         | 17.02                 | 17.25                    | 17.07                  |                     |          |  |  |  |
| 1.4             | 16QAM      | 1       | 5         | 17.06                 | 17.20                    | 17.01                  | 18                  | 0        |  |  |  |
| 1.4             | 16QAM      | 3       | 0         | 17.07                 | 17.21                    | 17.08                  |                     |          |  |  |  |
| 1.4             | 16QAM      | 3       | 1         | 17.01                 | 17.29                    | 17.06                  |                     |          |  |  |  |
| 1.4             | 16QAM      | 3       | 3         | 17.13                 | 17.24                    | 17.07                  |                     |          |  |  |  |
| 1.4             | 16QAM      | 6       | 0         | 17.12                 | 17.21                    | 17.01                  | 18                  | 0        |  |  |  |

Band 7 Ant 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                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20              | QPSK       | 1       | 0         | 13.45                 | 13.65                    | 13.49                  | 14.5                | 0        |
| 20              | QPSK       | 1       | 49        | 13.45                 | 13.51                    | 13.48                  |                     |          |
| 20              | QPSK       | 1       | 99        | 13.46                 | 13.58                    | 13.49                  |                     |          |
| 20              | QPSK       | 50      | 0         | 13.45                 | 13.61                    | 13.49                  |                     |          |
| 20              | QPSK       | 50      | 24        | 13.41                 | 13.51                    | 13.57                  | 14.5                | 0        |
| 20              | QPSK       | 50      | 50        | 13.47                 | 13.54                    | 13.55                  |                     |          |
| 20              | QPSK       | 100     | 0         | 13.49                 | 13.58                    | 13.57                  |                     |          |
| 20              | 16QAM      | 1       | 0         | 13.48                 | 13.51                    | 13.53                  |                     |          |
| 20              | 16QAM      | 1       | 49        | 13.45                 | 13.55                    | 13.56                  | 14.5                | 0        |
| 20              | 16QAM      | 1       | 99        | 13.49                 | 13.60                    | 13.47                  |                     |          |
| 20              | 16QAM      | 50      | 0         | 13.47                 | 13.59                    | 13.54                  |                     |          |
| 20              | 16QAM      | 50      | 24        | 13.42                 | 13.53                    | 13.50                  |                     |          |
| 20              | 16QAM      | 50      | 50        | 13.48                 | 13.61                    | 13.49                  | 14.5                | 0        |
| 20              | 16QAM      | 100     | 0         | 13.48                 | 13.62                    | 13.54                  |                     |          |
| 20              | 64QAM      | 1       | 0         | 13.43                 | 13.57                    | 13.50                  |                     |          |
| 20              | 64QAM      | 1       | 49        | 13.38                 | 13.52                    | 13.55                  |                     |          |
| 20              | 64QAM      | 1       | 99        | 13.38                 | 13.50                    | 13.50                  | 14.5                | 0        |
| 20              | 64QAM      | 50      | 0         | 13.36                 | 13.54                    | 13.52                  |                     |          |
| 20              | 64QAM      | 50      | 24        | 13.38                 | 13.57                    | 13.46                  |                     |          |
| 20              | 64QAM      | 50      | 50        | 13.44                 | 13.61                    | 13.50                  |                     |          |
| 20              | 64QAM      | 100     | 0         | 13.39                 | 13.60                    | 13.48                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 20825                 | 21100                    | 21375                  |                     |          |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 | Tune-up limit (dBm) | MPR (dB) |
| 15              | QPSK       | 1       | 0         | 13.36                 | 13.42                    | 13.42                  |                     |          |
| 15              | QPSK       | 1       | 37        | 13.35                 | 13.36                    | 13.37                  | 14.5                | 0        |
| 15              | QPSK       | 1       | 74        | 13.38                 | 13.54                    | 13.39                  |                     |          |
| 15              | QPSK       | 96      | 0         | 13.32                 | 13.54                    | 13.40                  |                     |          |
| 15              | QPSK       | 96      | 20        | 13.27                 | 13.38                    | 13.48                  |                     |          |
| 15              | QPSK       | 36      | 39        | 13.39                 | 13.47                    | 13.49                  | 14.5                | 0        |
| 15              | QPSK       | 75      | 0         | 13.38                 | 13.48                    | 13.49                  |                     |          |
| 15              | 16QAM      | 1       | 0         | 13.43                 | 13.45                    | 13.37                  |                     |          |
| 15              | 16QAM      | 1       | 37        | 13.34                 | 13.50                    | 13.43                  |                     |          |
| 15              | 16QAM      | 1       | 74        | 13.36                 | 13.48                    | 13.41                  | 14.5                | 0        |
| 15              | 16QAM      | 36      | 0         | 13.32                 | 13.51                    | 13.43                  |                     |          |
| 15              | 16QAM      | 36      | 20        | 13.27                 | 13.42                    | 13.35                  |                     |          |
| 15              | 16QAM      | 36      | 39        | 13.43                 | 13.46                    | 13.42                  |                     |          |
| 15              | 16QAM      | 75      | 0         | 13.32                 | 13.50                    | 13.39                  | 14.5                | 0        |
| 15              | 64QAM      | 1       | 0         | 13.31                 | 13.46                    | 13.43                  |                     |          |
| 15              | 64QAM      | 1       | 37        | 13.25                 | 13.44                    | 13.51                  |                     |          |
| 15              | 64QAM      | 1       | 74        | 13.29                 | 13.35                    | 13.45                  |                     |          |
| 15              | 64QAM      | 36      | 0         | 13.27                 | 13.47                    | 13.40                  | 14.5                | 0        |
| 15              | 64QAM      | 36      | 20        | 13.26                 | 13.45                    | 13.37                  |                     |          |
| 15              | 64QAM      | 36      | 39        | 13.34                 | 13.56                    | 13.41                  |                     |          |
| 15              | 64QAM      | 75      | 0         | 13.24                 | 13.48                    | 13.43                  |                     |          |
| Channel         |            |         |           | 20800                 | 21100                    | 21400                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |
| 10              | QPSK       | 1       | 0         | 13.35                 | 13.40                    | 13.42                  | 14.5                | 0        |
| 10              | QPSK       | 1       | 25        | 13.39                 | 13.36                    | 13.35                  |                     |          |
| 10              | QPSK       | 1       | 49        | 13.39                 | 13.51                    | 13.45                  |                     |          |
| 10              | QPSK       | 25      | 0         | 13.40                 | 13.51                    | 13.38                  |                     |          |
| 10              | QPSK       | 25      | 12        | 13.30                 | 13.45                    | 13.50                  | 14.5                | 0        |
| 10              | QPSK       | 25      | 25        | 13.36                 | 13.43                    | 13.49                  |                     |          |
| 10              | QPSK       | 50      | 0         | 13.42                 | 13.48                    | 13.44                  |                     |          |
| 10              | 16QAM      | 1       | 0         | 13.33                 | 13.37                    | 13.39                  |                     |          |
| 10              | 16QAM      | 1       | 25        | 13.40                 | 13.44                    | 13.41                  | 14.5                | 0        |
| 10              | 16QAM      | 1       | 49        | 13.34                 | 13.53                    | 13.41                  |                     |          |
| 10              | 16QAM      | 25      | 0         | 13.36                 | 13.53                    | 13.45                  |                     |          |
| 10              | 16QAM      | 25      | 12        | 13.29                 | 13.39                    | 13.37                  |                     |          |
| 10              | 16QAM      | 25      | 25        | 13.35                 | 13.52                    | 13.39                  | 14.5                | 0        |
| 10              | 16QAM      | 50      | 0         | 13.33                 | 13.52                    | 13.38                  |                     |          |
| 10              | 64QAM      | 1       | 0         | 13.37                 | 13.41                    | 13.43                  |                     |          |
| 10              | 64QAM      | 1       | 25        | 13.26                 | 13.46                    | 13.42                  |                     |          |
| 10              | 64QAM      | 1       | 49        | 13.25                 | 13.35                    | 13.43                  | 14.5                | 0        |
| 10              | 64QAM      | 25      | 0         | 13.28                 | 13.45                    | 13.46                  |                     |          |
| 10              | 64QAM      | 25      | 12        | 13.27                 | 13.52                    | 13.35                  |                     |          |
| 10              | 64QAM      | 25      | 25        | 13.28                 | 13.53                    | 13.38                  |                     |          |
| 10              | 64QAM      | 50      | 0         | 13.29                 | 13.54                    | 13.33                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 20775                 | 21100                    | 21425                  |                     |          |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 | Tune-up limit (dBm) | MPR (dB) |
| 5               | QPSK       | 1       | 0         | 13.30                 | 13.35                    | 13.36                  |                     |          |
| 5               | QPSK       | 1       | 12        | 13.42                 | 13.44                    | 13.36                  | 14.5                | 0        |
| 5               | QPSK       | 1       | 24        | 13.39                 | 13.48                    | 13.33                  |                     |          |
| 5               | QPSK       | 12      | 0         | 13.30                 | 13.52                    | 13.40                  |                     |          |
| 5               | QPSK       | 12      | 7         | 13.36                 | 13.44                    | 13.50                  |                     |          |
| 5               | QPSK       | 12      | 13        | 13.39                 | 13.47                    | 13.51                  | 14.5                | 0        |
| 5               | QPSK       | 25      | 0         | 13.42                 | 13.44                    | 13.43                  |                     |          |
| 5               | 16QAM      | 1       | 0         | 13.36                 | 13.40                    | 13.39                  |                     |          |
| 5               | 16QAM      | 1       | 12        | 13.35                 | 13.49                    | 13.44                  |                     |          |
| 5               | 16QAM      | 1       | 24        | 13.36                 | 13.46                    | 13.36                  | 14.5                | 0        |
| 5               | 16QAM      | 12      | 7         | 13.34                 | 13.40                    | 13.43                  |                     |          |
| 5               | 16QAM      | 12      | 13        | 13.39                 | 13.45                    | 13.39                  |                     |          |
| 5               | 16QAM      | 25      | 0         | 13.34                 | 13.57                    | 13.41                  |                     |          |
| 5               | 64QAM      | 1       | 0         | 13.37                 | 13.48                    | 13.40                  | 14.5                | 0        |
| 5               | 64QAM      | 1       | 12        | 13.25                 | 13.40                    | 13.44                  |                     |          |
| 5               | 64QAM      | 1       | 24        | 13.27                 | 13.35                    | 13.43                  |                     |          |
| 5               | 64QAM      | 12      | 0         | 13.32                 | 13.49                    | 13.40                  |                     |          |
| 5               | 64QAM      | 12      | 7         | 13.30                 | 13.47                    | 13.31                  | 14.5                | 0        |
| 5               | 64QAM      | 12      | 13        | 13.36                 | 13.53                    | 13.37                  |                     |          |
| 5               | 64QAM      | 25      | 0         | 13.25                 | 13.48                    | 13.36                  |                     |          |

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| 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                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 704                   | 707.5                    | 711                    |                     |          |
| 10              | QPSK       | 1       | 0         | 23.23                 | 23.41                    | 23.31                  | 24                  | 0        |
| 10              | QPSK       | 1       | 25        | 23.19                 | 23.39                    | 23.27                  |                     |          |
| 10              | QPSK       | 1       | 49        | 23.15                 | 23.19                    | 23.18                  |                     |          |
| 10              | QPSK       | 25      | 0         | 22.40                 | 22.42                    | 22.33                  |                     |          |
| 10              | QPSK       | 25      | 12        | 22.27                 | 22.34                    | 22.13                  | 23                  | 1        |
| 10              | QPSK       | 25      | 25        | 22.34                 | 22.23                    | 22.24                  |                     |          |
| 10              | QPSK       | 50      | 0         | 22.16                 | 22.46                    | 22.31                  |                     |          |
| 10              | 16QAM      | 1       | 0         | 22.44                 | 22.49                    | 22.32                  |                     |          |
| 10              | 16QAM      | 1       | 25        | 22.45                 | 22.38                    | 22.44                  | 23                  | 1        |
| 10              | 16QAM      | 1       | 49        | 22.25                 | 22.35                    | 22.31                  |                     |          |
| 10              | 16QAM      | 25      | 0         | 21.31                 | 21.47                    | 21.42                  |                     |          |
| 10              | 16QAM      | 25      | 12        | 21.21                 | 21.32                    | 21.30                  |                     |          |
| 10              | 16QAM      | 25      | 25        | 21.19                 | 21.35                    | 21.26                  | 22                  | 2        |
| 10              | 16QAM      | 50      | 0         | 21.13                 | 21.40                    | 21.16                  |                     |          |
| 10              | 64QAM      | 1       | 0         | 21.21                 | 21.37                    | 21.33                  |                     |          |
| 10              | 64QAM      | 1       | 25        | 21.24                 | 21.34                    | 21.32                  |                     |          |
| 10              | 64QAM      | 1       | 49        | 21.24                 | 21.50                    | 21.24                  | 22                  | 2        |
| 10              | 64QAM      | 25      | 0         | 20.20                 | 20.49                    | 20.24                  |                     |          |
| 10              | 64QAM      | 25      | 12        | 20.29                 | 20.33                    | 20.33                  |                     |          |
| 10              | 64QAM      | 25      | 25        | 20.26                 | 20.46                    | 20.37                  |                     |          |
| 10              | 64QAM      | 50      | 0         | 20.20                 | 20.42                    | 20.25                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 23035                 | 23095                    | 23155                  |                     |          |
| Frequency (MHz) |            |         |           | 701.5                 | 707.5                    | 713.5                  | Tune-up limit (dBm) | MPR (dB) |
| 5               | QPSK       | 1       | 0         | 23.16                 | 23.34                    | 23.22                  |                     |          |
| 5               | QPSK       | 1       | 12        | 23.04                 | 23.18                    | 23.12                  | 24                  | 0        |
| 5               | QPSK       | 1       | 24        | 23.11                 | 23.11                    | 23.06                  |                     |          |
| 5               | QPSK       | 12      | 0         | 22.35                 | 22.28                    | 22.30                  |                     |          |
| 5               | QPSK       | 12      | 7         | 22.19                 | 22.25                    | 21.99                  |                     |          |
| 5               | QPSK       | 12      | 13        | 22.21                 | 22.11                    | 22.21                  | 23                  | 1        |
| 5               | QPSK       | 25      | 0         | 22.11                 | 22.43                    | 22.22                  |                     |          |
| 5               | 16QAM      | 1       | 0         | 22.37                 | 22.40                    | 22.21                  |                     |          |
| 5               | 16QAM      | 1       | 12        | 22.30                 | 22.35                    | 22.37                  |                     |          |
| 5               | 16QAM      | 1       | 24        | 22.11                 | 22.30                    | 22.23                  | 23                  | 1        |
| 5               | 16QAM      | 12      | 0         | 21.28                 | 21.42                    | 21.37                  |                     |          |
| 5               | 16QAM      | 12      | 7         | 21.09                 | 21.21                    | 21.27                  |                     |          |
| 5               | 16QAM      | 12      | 13        | 21.06                 | 21.27                    | 21.13                  |                     |          |
| 5               | 16QAM      | 25      | 0         | 21.02                 | 21.35                    | 21.11                  | 22                  | 2        |
| 5               | 64QAM      | 1       | 0         | 21.18                 | 21.42                    | 21.26                  |                     |          |
| 5               | 64QAM      | 1       | 12        | 21.29                 | 21.35                    | 21.24                  |                     |          |
| 5               | 64QAM      | 1       | 24        | 21.30                 | 21.46                    | 21.25                  |                     |          |
| 5               | 64QAM      | 12      | 0         | 20.16                 | 20.48                    | 20.36                  | 21                  | 3        |
| 5               | 64QAM      | 12      | 7         | 20.29                 | 20.49                    | 20.24                  |                     |          |
| 5               | 64QAM      | 12      | 13        | 20.27                 | 20.43                    | 20.39                  |                     |          |
| 5               | 64QAM      | 25      | 0         | 20.20                 | 20.41                    | 20.34                  |                     |          |
| Channel         |            |         |           | 23025                 | 23095                    | 23165                  | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 700.5                 | 707.5                    | 714.5                  |                     |          |
| 3               | QPSK       | 1       | 0         | 23.14                 | 23.37                    | 23.21                  | 24                  |          |

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| 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         |            |         |           |                       |                          |                        |                     | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 10              | QPSK       | 1       | 0         |                       | 24.21                    |                        | 24.5                | 0        |  |  |
| 10              | QPSK       | 1       | 25        |                       | 24.14                    |                        |                     |          |  |  |
| 10              | QPSK       | 1       | 49        |                       | 24.18                    |                        |                     |          |  |  |
| 10              | QPSK       | 25      | 0         |                       | 23.68                    |                        |                     |          |  |  |
| 10              | QPSK       | 25      | 12        |                       | 23.63                    |                        | 24                  | 0.5      |  |  |
| 10              | QPSK       | 25      | 25        |                       | 23.61                    |                        |                     |          |  |  |
| 10              | QPSK       | 50      | 0         |                       | 23.58                    |                        |                     |          |  |  |
| 10              | 16QAM      | 1       | 0         |                       | 23.64                    |                        |                     |          |  |  |
| 10              | 16QAM      | 1       | 25        |                       | 23.66                    |                        | 24                  | 0.5      |  |  |
| 10              | 16QAM      | 1       | 49        |                       | 23.68                    |                        |                     |          |  |  |
| 10              | 16QAM      | 25      | 0         |                       | 22.61                    |                        |                     |          |  |  |
| 10              | 16QAM      | 25      | 12        |                       | 22.58                    |                        |                     |          |  |  |
| 10              | 16QAM      | 25      | 25        |                       | 22.62                    |                        | 23                  | 1.5      |  |  |
| 10              | 16QAM      | 50      | 0         |                       | 22.57                    |                        |                     |          |  |  |
| 10              | 64QAM      | 1       | 0         |                       | 22.67                    |                        |                     |          |  |  |
| 10              | 64QAM      | 1       | 25        |                       | 22.68                    |                        |                     |          |  |  |
| 10              | 64QAM      | 1       | 49        |                       | 22.60                    |                        | 23                  | 1.5      |  |  |
| 10              | 64QAM      | 25      | 0         |                       | 21.67                    |                        |                     |          |  |  |
| 10              | 64QAM      | 25      | 12        |                       | 21.67                    |                        |                     |          |  |  |
| 10              | 64QAM      | 25      | 25        |                       | 21.58                    |                        |                     |          |  |  |
| 10              | 64QAM      | 50      | 0         |                       | 21.65                    |                        | 22                  | 2.5      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 5               | QPSK       | 1       | 0         | 24.16                 | 24.18                    | 24.17                  | 24.5                | 0        |  |  |
| 5               | QPSK       | 1       | 12        | 24.14                 | 24.04                    | 24.11                  |                     |          |  |  |
| 5               | QPSK       | 1       | 24        | 24.08                 | 24.15                    | 24.10                  |                     |          |  |  |
| 5               | QPSK       | 12      | 0         | 23.60                 | 23.66                    | 23.60                  |                     |          |  |  |
| 5               | QPSK       | 12      | 7         | 23.60                 | 23.55                    | 23.54                  | 24                  | 0.5      |  |  |
| 5               | QPSK       | 12      | 13        | 23.53                 | 23.61                    | 23.60                  |                     |          |  |  |
| 5               | QPSK       | 25      | 0         | 23.55                 | 23.50                    | 23.51                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 0         | 23.61                 | 23.59                    | 23.56                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 12        | 23.62                 | 23.66                    | 23.60                  | 24                  | 0.5      |  |  |
| 5               | 16QAM      | 1       | 24        | 23.65                 | 23.65                    | 23.64                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 0         | 22.52                 | 22.54                    | 22.53                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 7         | 22.53                 | 22.49                    | 22.56                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 13        | 22.56                 | 22.53                    | 22.57                  | 23                  | 1.5      |  |  |
| 5               | 16QAM      | 25      | 0         | 22.55                 | 22.48                    | 22.57                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 0         | 22.57                 | 22.62                    | 22.60                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 12        | 22.68                 | 22.58                    | 22.61                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 24        | 22.54                 | 22.50                    | 22.59                  | 23                  | 1.5      |  |  |
| 5               | 64QAM      | 12      | 0         | 21.61                 | 21.67                    | 21.57                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 7         | 21.59                 | 21.65                    | 21.66                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 13        | 21.58                 | 21.56                    | 21.52                  |                     |          |  |  |
| 5               | 64QAM      | 25      | 0         | 21.58                 | 21.60                    | 21.62                  | 22                  | 2.5      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 5               | QPSK       | 1       | 0         | 24.16                 | 24.18                    | 24.17                  | 24.5                | 0        |  |  |
| 5               | QPSK       | 1       | 12        | 24.14                 | 24.04                    | 24.11                  |                     |          |  |  |
| 5               | QPSK       | 1       | 24        | 24.08                 | 24.15                    | 24.10                  |                     |          |  |  |
| 5               | QPSK       | 12      | 0         | 23.60                 | 23.66                    | 23.60                  |                     |          |  |  |
| 5               | QPSK       | 12      | 7         | 23.60                 | 23.55                    | 23.54                  | 24                  | 0.5      |  |  |
| 5               | QPSK       | 12      | 13        | 23.53                 | 23.61                    | 23.60                  |                     |          |  |  |
| 5               | QPSK       | 25      | 0         | 23.55                 | 23.50                    | 23.51                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 0         | 23.61                 | 23.59                    | 23.56                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 12        | 23.62                 | 23.66                    | 23.60                  | 24                  | 0.5      |  |  |
| 5               | 16QAM      | 1       | 24        | 23.65                 | 23.65                    | 23.64                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 0         | 22.52                 | 22.54                    | 22.53                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 7         | 22.53                 | 22.49                    | 22.56                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 13        | 22.56                 | 22.53                    | 22.57                  | 23                  | 1.5      |  |  |
| 5               | 16QAM      | 25      | 0         | 22.55                 | 22.48                    | 22.57                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 0         | 22.57                 | 22.62                    | 22.60                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 12        | 22.68                 | 22.58                    | 22.61                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 24        | 22.54                 | 22.50                    | 22.59                  | 23                  | 1.5      |  |  |
| 5               | 64QAM      | 12      | 0         | 21.61                 | 21.67                    | 21.57                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 7         | 21.59                 | 21.65                    | 21.66                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 13        | 21.58                 | 21.56                    | 21.52                  |                     |          |  |  |
| 5               | 64QAM      | 25      | 0         | 21.58                 | 21.60                    | 21.62                  | 22                  | 2.5      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 5               | QPSK       | 1       | 0         | 24.16                 | 24.18                    | 24.17                  | 24.5                | 0        |  |  |
| 5               | QPSK       | 1       | 12        | 24.14                 | 24.04                    | 24.11                  |                     |          |  |  |
| 5               | QPSK       | 1       | 24        | 24.08                 | 24.15                    | 24.10                  |                     |          |  |  |
| 5               | QPSK       | 12      | 0         | 23.60                 | 23.66                    | 23.60                  |                     |          |  |  |
| 5               | QPSK       | 12      | 7         | 23.60                 | 23.55                    | 23.54                  | 24                  | 0.5      |  |  |
| 5               | QPSK       | 12      | 13        | 23.53                 | 23.61                    | 23.60                  |                     |          |  |  |
| 5               | QPSK       | 25      | 0         | 23.55                 | 23.50                    | 23.51                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 0         | 23.61                 | 23.59                    | 23.56                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 12        | 23.62                 | 23.66                    | 23.60                  | 24                  | 0.5      |  |  |
| 5               | 16QAM      | 1       | 24        | 23.65                 | 23.65                    | 23.64                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 0         | 22.52                 | 22.54                    | 22.53                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 7         | 22.53                 | 22.49                    | 22.56                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 13        | 22.56                 | 22.53                    | 22.57                  | 23                  | 1.5      |  |  |
| 5               | 16QAM      | 25      | 0         | 22.55                 | 22.48                    | 22.57                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 0         | 22.57                 | 22.62                    | 22.60                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 12        | 22.68                 | 22.58                    | 22.61                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 24        | 22.54                 | 22.50                    | 22.59                  | 23                  | 1.5      |  |  |
| 5               | 64QAM      | 12      | 0         | 21.61                 | 21.67                    | 21.57                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 7         | 21.59                 | 21.65                    | 21.66                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 13        | 21.58                 | 21.56                    | 21.52                  |                     |          |  |  |
| 5               | 64QAM      | 25      | 0         | 21.58                 | 21.60                    | 21.62                  | 22                  | 2.5      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 5               | QPSK       | 1       | 0         | 24.16                 | 24.18                    | 24.17                  | 24.5                | 0        |  |  |
| 5               | QPSK       | 1       | 12        | 24.14                 | 24.04                    | 24.11                  |                     |          |  |  |
| 5               | QPSK       | 1       | 24        | 24.08                 | 24.15                    | 24.10                  |                     |          |  |  |
| 5               | QPSK       | 12      | 0         | 23.60                 | 23.66                    | 23.60                  |                     |          |  |  |
| 5               | QPSK       | 12      | 7         | 23.60                 | 23.55                    | 23.54                  | 24                  | 0.5      |  |  |
| 5               | QPSK       | 12      | 13        | 23.53                 | 23.61                    | 23.60                  |                     |          |  |  |
| 5               | QPSK       | 25      | 0         | 23.55                 | 23.50                    | 23.51                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 0         | 23.61                 | 23.59                    | 23.56                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 12        | 23.62                 | 23.66                    | 23.60                  | 24                  | 0.5      |  |  |
| 5               | 16QAM      | 1       | 24        | 23.65                 | 23.65                    | 23.64                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 0         | 22.52                 | 22.54                    | 22.53                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 7         | 22.53                 | 22.49                    | 22.56                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 13        | 22.56                 | 22.53                    | 22.57                  | 23                  | 1.5      |  |  |
| 5               | 16QAM      | 25      | 0         | 22.55                 | 22.48                    | 22.57                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 0         | 22.57                 | 22.62                    | 22.60                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 12        | 22.68                 | 22.58                    | 22.61                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 24        | 22.54                 | 22.50                    | 22.59                  | 23                  | 1.5      |  |  |
| 5               | 64QAM      | 12      | 0         | 21.61                 | 21.67                    | 21.57                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 7         | 21.59                 | 21.65                    | 21.66                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 13        | 21.58                 | 21.56                    | 21.52                  |                     |          |  |  |
| 5               | 64QAM      | 25      | 0         | 21.58                 | 21.60                    | 21.62                  | 22                  | 2.5      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 5               | QPSK       | 1       | 0         | 24.16                 | 24.18                    | 24.17                  | 24.5                | 0        |  |  |
| 5               | QPSK       | 1       | 12        | 24.14                 | 24.04                    | 24.11                  |                     |          |  |  |
| 5               | QPSK       | 1       | 24        | 24.08                 | 24.15                    | 24.10                  |                     |          |  |  |
| 5               | QPSK       | 12      | 0         | 23.60                 | 23.66                    | 23.60                  |                     |          |  |  |
| 5               | QPSK       | 12      | 7         | 23.60                 | 23.55                    | 23.54                  | 24                  | 0.5      |  |  |
| 5               | QPSK       | 12      | 13        | 23.53                 | 23.61                    | 23.60                  |                     |          |  |  |
| 5               | QPSK       | 25      | 0         | 23.55                 | 23.50                    | 23.51                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 0         | 23.61                 | 23.59                    | 23.56                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 12        | 23.62                 | 23.66                    | 23.60                  | 24                  | 0.5      |  |  |
| 5               | 16QAM      | 1       | 24        | 23.65                 | 23.65                    | 23.64                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 0         | 22.52                 | 22.54                    | 22.53                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 7         | 22.53                 | 22.49                    | 22.56                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 13        | 22.56                 | 22.53                    | 22.57                  | 23                  | 1.5      |  |  |
| 5               | 16QAM      | 25      | 0         | 22.55                 | 22.48                    | 22.57                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 0         | 22.57                 | 22.62                    | 22.60                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 12        | 22.68                 | 22.58                    | 22.61                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 24        | 22.54                 | 22.50                    | 22.59                  | 23                  | 1.5      |  |  |
| 5               | 64QAM      | 12      | 0         | 21.61                 | 21.67                    | 21.57                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 7         | 21.59                 | 21.65                    | 21.66                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 13        | 21.58                 | 21.56                    | 21.52                  |                     |          |  |  |
| 5               | 64QAM      | 25      | 0         | 21.58                 | 21.60                    | 21.62                  | 22                  | 2.5      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 5               | QPSK       | 1       | 0         | 24.16                 | 24.18                    | 24.17                  | 24.5                | 0        |  |  |
| 5               | QPSK       | 1       | 12        | 24.14                 | 24.04                    | 24.11                  |                     |          |  |  |
| 5               | QPSK       | 1       | 24        | 24.08                 | 24.15                    | 24.10                  |                     |          |  |  |
| 5               | QPSK       | 12      | 0         | 23.60                 | 23.66                    | 23.60                  |                     |          |  |  |
| 5               | QPSK       | 12      | 7         | 23.60                 | 23.55                    | 23.54                  | 24                  | 0.5      |  |  |
| 5               | QPSK       | 12      | 13        | 23.53                 | 23.61                    | 23.60                  |                     |          |  |  |
| 5               | QPSK       | 25      | 0         | 23.55                 | 23.50                    | 23.51                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 0         | 23.61                 | 23.59                    | 23.56                  |                     |          |  |  |
| 5               | 16QAM      |         |           |                       |                          |                        |                     |          |  |  |

| Band 66 Ant 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         |            |         |           | 132072               | 132322                  | 132572                |                     |          |  |  |
| Frequency (MHz) |            |         |           | 1720                 | 1745                    | 1770                  |                     |          |  |  |
| 20              | QPSK       | 1       | 0         | 18.96                | 19.22                   | 18.96                 | 20                  | 0        |  |  |
| 20              | QPSK       | 1       | 49        | 19.02                | 19.19                   | 19.03                 |                     |          |  |  |
| 20              | QPSK       | 1       | 99        | 19.01                | 19.18                   | 18.93                 |                     |          |  |  |
| 20              | QPSK       | 50      | 0         | 19.08                | 19.18                   | 18.99                 |                     |          |  |  |
| 20              | QPSK       | 50      | 24        | 19.05                | 19.09                   | 19.00                 | 20                  | 0        |  |  |
| 20              | QPSK       | 50      | 50        | 18.94                | 19.17                   | 19.07                 |                     |          |  |  |
| 20              | QPSK       | 100     | 0         | 18.97                | 19.08                   | 19.02                 |                     |          |  |  |
| 20              | 16QAM      | 1       | 0         | 19.06                | 19.13                   | 19.03                 |                     |          |  |  |
| 20              | 16QAM      | 1       | 49        | 18.98                | 19.16                   | 18.98                 | 20                  | 0        |  |  |
| 20              | 16QAM      | 1       | 99        | 19.00                | 19.12                   | 19.00                 |                     |          |  |  |
| 20              | 16QAM      | 50      | 0         | 18.99                | 19.14                   | 19.05                 |                     |          |  |  |
| 20              | 16QAM      | 50      | 24        | 19.00                | 19.14                   | 19.07                 |                     |          |  |  |
| 20              | 16QAM      | 50      | 50        | 19.03                | 19.12                   | 18.98                 | 20                  | 0        |  |  |
| 20              | 16QAM      | 100     | 0         | 18.99                | 19.16                   | 19.01                 |                     |          |  |  |
| 20              | 64QAM      | 1       | 0         | 18.93                | 19.09                   | 18.96                 |                     |          |  |  |
| 20              | 64QAM      | 1       | 49        | 18.97                | 19.21                   | 18.95                 |                     |          |  |  |
| 20              | 64QAM      | 1       | 99        | 19.00                | 19.18                   | 19.03                 | 20                  | 0        |  |  |
| 20              | 64QAM      | 50      | 0         | 19.04                | 19.12                   | 19.00                 |                     |          |  |  |
| 20              | 64QAM      | 50      | 24        | 19.04                | 19.12                   | 19.08                 |                     |          |  |  |
| 20              | 64QAM      | 50      | 50        | 18.97                | 19.13                   | 19.07                 |                     |          |  |  |
| 20              | 64QAM      | 100     | 0         | 18.98                | 19.19                   | 19.01                 |                     |          |  |  |
| Channel         |            |         |           | 132047               | 132322                  | 132597                | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 1717.5               | 1745                    | 1772.5                |                     |          |  |  |
| 15              | QPSK       | 1       | 0         | 18.92                | 19.18                   | 18.82                 | 20                  | 0        |  |  |
| 15              | QPSK       | 1       | 37        | 18.93                | 19.10                   | 18.92                 |                     |          |  |  |
| 15              | QPSK       | 1       | 74        | 18.86                | 19.04                   | 18.87                 |                     |          |  |  |
| 15              | QPSK       | 36      | 0         | 18.92                | 19.00                   | 18.87                 |                     |          |  |  |
| 15              | QPSK       | 36      | 20        | 18.93                | 19.00                   | 18.87                 | 20                  | 0        |  |  |
| 15              | QPSK       | 36      | 39        | 18.81                | 19.11                   | 19.02                 |                     |          |  |  |
| 15              | QPSK       | 75      | 0         | 18.83                | 18.99                   | 18.86                 |                     |          |  |  |
| 15              | 16QAM      | 1       | 0         | 18.95                | 19.04                   | 18.98                 |                     |          |  |  |
| 15              | 16QAM      | 1       | 37        | 18.91                | 19.01                   | 18.88                 | 20                  | 0        |  |  |
| 15              | 16QAM      | 1       | 74        | 18.95                | 19.07                   | 18.90                 |                     |          |  |  |
| 15              | 16QAM      | 36      | 0         | 18.84                | 19.00                   | 18.88                 |                     |          |  |  |
| 15              | 16QAM      | 36      | 20        | 18.82                | 19.05                   | 19.00                 |                     |          |  |  |
| 15              | 16QAM      | 36      | 39        | 18.88                | 19.02                   | 18.86                 | 20                  | 0        |  |  |
| 15              | 16QAM      | 75      | 0         | 18.85                | 19.02                   | 18.87                 |                     |          |  |  |
| 15              | 64QAM      | 1       | 0         | 18.88                | 19.00                   | 18.85                 |                     |          |  |  |
| 15              | 64QAM      | 1       | 37        | 18.91                | 19.16                   | 18.81                 |                     |          |  |  |
| 15              | 64QAM      | 1       | 74        | 18.85                | 19.12                   | 18.92                 | 20                  | 0        |  |  |
| 15              | 64QAM      | 36      | 0         | 18.97                | 19.00                   | 18.87                 |                     |          |  |  |
| 15              | 64QAM      | 36      | 20        | 18.89                | 19.08                   | 18.92                 |                     |          |  |  |
| 15              | 64QAM      | 36      | 39        | 18.91                | 19.01                   | 18.92                 |                     |          |  |  |
| 15              | 64QAM      | 75      | 0         | 18.92                | 19.03                   | 18.86                 |                     |          |  |  |
| Channel         |            |         |           | 132022               | 132322                  | 132622                | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 1715                 | 1745                    | 1775                  |                     |          |  |  |
| 10              | QPSK       | 1       | 0         | 18.85                | 19.07                   | 18.82                 | 20                  | 0        |  |  |
| 10              | QPSK       | 1       | 25        | 18.97                | 19.10                   | 18.96                 |                     |          |  |  |
| 10              | QPSK       | 1       | 49        | 18.89                | 19.08                   | 18.84                 |                     |          |  |  |
| 10              | QPSK       | 25      | 0         | 19.03                | 19.07                   | 18.84                 |                     |          |  |  |
| 10              | QPSK       | 25      | 12        | 18.90                | 18.94                   | 18.86                 | 20                  | 0        |  |  |
| 10              | QPSK       | 25      | 25        | 18.79                | 19.02                   | 18.99                 |                     |          |  |  |
| 10              | QPSK       | 50      | 0         | 18.83                | 18.94                   | 18.93                 |                     |          |  |  |
| 10              | 16QAM      | 1       | 0         | 18.95                | 18.99                   | 18.98                 |                     |          |  |  |
| 10              | 16QAM      | 1       | 25        | 18.83                | 19.03                   | 18.85                 | 20                  | 0        |  |  |
| 10              | 16QAM      | 1       | 49        | 18.92                | 19.02                   | 18.92                 |                     |          |  |  |
| 10              | 16QAM      | 25      | 0         | 18.87                | 19.07                   | 18.91                 |                     |          |  |  |
| 10              | 16QAM      | 25      | 12        | 18.91                | 19.08                   | 18.94                 |                     |          |  |  |
| 10              | 16QAM      | 25      | 25        | 18.96                | 19.02                   | 18.89                 | 20                  | 0        |  |  |
| 10              | 16QAM      | 50      | 0         | 18.94                | 19.06                   | 18.90                 |                     |          |  |  |
| 10              | 64QAM      | 1       | 0         | 18.79                | 18.97                   | 18.87                 |                     |          |  |  |
| 10              | 64QAM      | 1       | 25        | 18.83                | 19.08                   | 18.90                 |                     |          |  |  |
| 10              | 64QAM      | 1       | 49        | 18.92                | 19.09                   | 18.89                 | 20                  | 0        |  |  |
| 10              | 64QAM      | 25      | 0         | 18.95                | 19.04                   | 18.92                 |                     |          |  |  |
| 10              | 64QAM      | 25      | 12        | 18.93                | 18.97                   | 18.98                 |                     |          |  |  |
| 10              | 64QAM      | 25      | 25        | 18.90                | 19.08                   | 18.97                 |                     |          |  |  |
| 10              | 64QAM      | 50      | 0         | 18.93                | 19.14                   | 18.86                 |                     |          |  |  |
| Channel         |            |         |           | 131997               | 132322                  | 132647                | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 1712.5               | 1745                    | 1777.5                |                     |          |  |  |
| 5               | QPSK       | 1       | 0         | 18.81                | 19.13                   | 18.92                 | 20                  | 0        |  |  |
| 5               | QPSK       | 1       | 12        | 18.93                | 19.07                   | 18.92                 |                     |          |  |  |
| 5               | QPSK       | 1       | 24        | 18.90                | 19.06                   | 18.81                 |                     |          |  |  |
| 5               | QPSK       | 12      | 0         | 18.97                | 18.98                   | 18.89                 |                     |          |  |  |
| 5               | QPSK       | 12      | 7         | 18.93                | 18.99                   | 18.94                 | 20                  | 0        |  |  |
| 5               | QPSK       | 12      | 13        | 18.83                | 19.05                   | 18.92                 |                     |          |  |  |
| 5               | QPSK       | 25      | 0         | 18.91                | 19.03                   | 18.87                 |                     |          |  |  |
| 5               | 16QAM      | 1       | 0         | 19.01                | 18.98                   | 18.93                 |                     |          |  |  |
| 5               | 16QAM      | 1       | 12        | 18.89                | 19.02                   | 18.90                 | 20                  | 0        |  |  |
| 5               | 16QAM      | 1       | 24        | 18.89                | 19.07                   | 18.94                 |                     |          |  |  |
| 5               | 16QAM      | 12      | 0         | 18.94                | 19.02                   | 18.96                 |                     |          |  |  |
| 5               | 16QAM      | 12      | 7         | 18.88                | 19.09                   | 19.00                 |                     |          |  |  |
| 5               | 16QAM      | 12      | 13        | 18.95                | 19.07                   | 18.91                 | 20                  | 0        |  |  |
| 5               | 16QAM      | 25      | 0         | 18.86                | 19.08                   | 18.89                 |                     |          |  |  |
| 5               | 64QAM      | 1       | 0         | 18.79                | 19.01                   | 18.89                 |                     |          |  |  |
| 5               | 64QAM      | 1       | 12        | 18.90                | 19.09                   | 18.82                 |                     |          |  |  |
| 5               | 64QAM      | 1       | 24        | 18.92                | 19.08                   | 18.93                 | 20                  | 0        |  |  |
| 5               | 64QAM      | 12      | 0         | 18.93                | 19.06                   | 18.93                 |                     |          |  |  |
| 5               | 64QAM      | 12      | 7         | 18.90                | 19.06                   | 18.93                 |                     |          |  |  |
| 5               | 64QAM      | 12      | 13        | 18.89                | 19.05                   | 19.02                 |                     |          |  |  |
| 5               | 64QAM      | 25      | 0         | 18.83                | 19.14                   | 18.88                 |                     |          |  |  |
| Channel         |            |         |           | 131987               | 132322                  | 132657                | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 1711.5               | 1745                    | 1778.5                |                     |          |  |  |
| 3               | QPSK       | 1       | 0         | 18.87                | 19.15                   | 18.85                 | 20                  | 0        |  |  |
| 3               | QPSK       | 1       | 8         | 18.95                | 19.08                   | 18.98                 |                     |          |  |  |
| 3               | QPSK       | 1       | 14        | 18.95                | 19.03                   | 18.84                 |                     |          |  |  |
| 3               | QPSK       | 8       | 0         | 18.98                | 19.08                   | 18.91                 |                     |          |  |  |
| 3               | QPSK       | 8       | 4         | 18.94                | 18.96                   | 18.91                 | 20                  | 0        |  |  |
| 3               | QPSK       | 8       | 7         | 18.86                | 19.07                   | 18.96                 |                     |          |  |  |
| 3               | QPSK       | 15      | 0         | 18.90                | 18.92                   | 18.94                 |                     |          |  |  |
| 3               | 16QAM      | 1       | 0         | 18.97                | 19.07                   | 18.89                 |                     |          |  |  |
| 3               | 16QAM      | 1       | 8         | 18.89                | 19.06                   | 18.85                 | 20                  | 0        |  |  |
| 3               | 16QAM      | 1       | 14        | 18.89                | 19.02                   | 18.92                 |                     |          |  |  |
| 3               | 16QAM      | 8       | 0         | 18.87                | 19.05                   | 19.00                 |                     |          |  |  |
| 3               | 16QAM      | 8       | 4         | 18.88                | 18.98                   | 19.00                 |                     |          |  |  |
| 3               | 16QAM      | 8       | 7         | 18.88                | 19.01                   | 18.84                 | 20                  | 0        |  |  |
| 3               | 16QAM      | 15      | 0         | 18.89                | 19.05                   | 18.95                 |                     |          |  |  |
| 3               | 64QAM      | 1       | 0         | 18.84                | 18.96                   | 18.92                 |                     |          |  |  |
| 3               | 64QAM      | 1       | 8         | 18.92                | 19.15                   | 18.85                 |                     |          |  |  |
| 3               | 64QAM      | 1       | 14        | 18.95                | 19.12                   | 18.91                 | 20                  | 0        |  |  |
| 3               | 64QAM      | 8       | 0         | 18.94                | 19.06                   | 18.94                 |                     |          |  |  |
| 3               | 64QAM      | 8       | 4         | 18.94                | 19.07                   | 18.93                 |                     |          |  |  |
| 3               | 64QAM      | 8       | 7         | 18.92                | 19.04                   | 18.95                 |                     |          |  |  |
| 3               | 64QAM      | 15      | 0         | 18.84                | 19.15                   | 18.89                 |                     |          |  |  |
| Channel         |            |         |           | 131979               | 132322                  | 132665                | Tune-up limit (dBm) | MPR (dB) |  |  |
| Frequency (MHz) |            |         |           | 1710.7               | 1745                    | 1773.3                |                     |          |  |  |
| 1.4             | QPSK       | 1       | 0         | 18.91                | 19.06                   | 18.82                 | 20                  | 0        |  |  |
| 1.4             | QPSK       | 1       | 3         | 18.86                | 19.05                   | 18.98                 |                     |          |  |  |
| 1.4             | QPSK       | 1       | 5         | 18.86                | 19.13                   | 18.87                 |                     |          |  |  |
| 1.4             | QPSK       | 3       | 0         | 18.93                | 19.00                   | 18.87                 |                     |          |  |  |
| 1.4             | QPSK       | 3       | 1         | 18.95                | 19.02                   | 18.89                 | 20                  | 0        |  |  |
| 1.4             | QPSK       | 3       | 3         | 18.87                | 19.04                   | 18.91                 |                     |          |  |  |
| 1.4             | QPSK       | 6       | 0         | 18.89                | 18.97                   | 18.86                 |                     |          |  |  |
| 1.4             | 16QAM      | 1       | 0         | 18.95                | 18.97                   | 18.87                 |                     |          |  |  |
| 1.4             | 16QAM      | 1       | 3         | 18.86                | 19.11                   | 18.91                 | 20                  | 0        |  |  |
| 1.4             | 16QAM      | 1       | 5         | 18.95                | 18.98                   | 18.94                 |                     |          |  |  |
| 1.4             | 16QAM      | 3       | 0         | 18.94                | 19.07                   | 18.96                 |                     |          |  |  |
| 1.4             | 16QAM      | 3       | 1         | 18.89                | 19.00                   | 18.94                 | 20                  | 0        |  |  |
| 1.4             | 16QAM      | 3       | 3         | 18.99                | 19.03                   | 18.90                 |                     |          |  |  |
| 1.4             | 16QAM      | 6       | 0         | 18.86                | 19.10                   | 18.95                 |                     |          |  |  |
| 1.4             | 64QAM      | 1       | 0         | 18.88                | 18.96                   | 18.87                 | 20                  | 0        |  |  |
| 1.4             | 64QAM      | 1       | 3         | 18.91                | 19.11                   | 18.88                 |                     |          |  |  |
| 1.4             | 64QAM      | 1       | 5         | 18.96                | 19.09                   | 18.97                 |                     |          |  |  |
| 1.4             | 64QAM      | 3       | 0         | 18.89                | 18.96                   | 18.85                 | 20                  | 0        |  |  |
| 1.4             | 64QAM      | 3       | 1         | 18.94                | 19.02                   | 19.04                 |                     |          |  |  |
| 1.4             | 64QAM      | 3       | 3         | 18.85                | 19.04                   | 18.96                 |                     |          |  |  |
| 1.4             | 64QAM      | 6       | 0         | 18.92                | 19.13                   | 18.92                 | 20                  | 0        |  |  |

| Band 38 Ant 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         |            |         |           | 37850                 | 38000                    | 38150                  |                     |          |  |  |  |  |  |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |  |  |  |  |  |
| 20              | QPSK       | 1       | 0         | 16.06                 | 16.45                    | 16.10                  | 17.5                | 0        |  |  |  |  |  |
| 20              | QPSK       | 1       | 49        | 16.15                 | 16.26                    | 16.21                  |                     |          |  |  |  |  |  |
| 20              | QPSK       | 1       | 99        | 16.05                 | 16.32                    | 16.18                  |                     |          |  |  |  |  |  |
| 20              | QPSK       | 50      | 0         | 16.05                 | 16.30                    | 16.17                  | 17.5                | 0        |  |  |  |  |  |
| 20              | QPSK       | 50      | 24        | 16.12                 | 16.28                    | 16.17                  |                     |          |  |  |  |  |  |
| 20              | QPSK       | 50      | 50        | 16.09                 | 16.28                    | 16.19                  |                     |          |  |  |  |  |  |
| 20              | QPSK       | 100     | 0         | 16.11                 | 16.24                    | 16.20                  | 17.5                | 0        |  |  |  |  |  |
| 20              | 16QAM      | 1       | 0         | 16.16                 | 16.22                    | 16.09                  |                     |          |  |  |  |  |  |
| 20              | 16QAM      | 1       | 49        | 16.16                 | 16.26                    | 16.14                  |                     |          |  |  |  |  |  |
| 20              | 16QAM      | 1       | 99        | 16.04                 | 16.26                    | 16.13                  | 17.5                | 0        |  |  |  |  |  |
| 20              | 16QAM      | 50      | 0         | 16.09                 | 16.31                    | 16.16                  |                     |          |  |  |  |  |  |
| 20              | 16QAM      | 50      | 24        | 16.08                 | 16.29                    | 16.18                  |                     |          |  |  |  |  |  |
| 20              | 16QAM      | 50      | 50        | 16.13                 | 16.25                    | 16.19                  | 17.5                | 0        |  |  |  |  |  |
| 20              | 16QAM      | 100     | 0         | 16.07                 | 16.22                    | 16.10                  |                     |          |  |  |  |  |  |
| 20              | 64QAM      | 1       | 0         | 16.10                 | 16.27                    | 16.19                  |                     |          |  |  |  |  |  |
| 20              | 64QAM      | 1       | 49        | 16.11                 | 16.22                    | 16.15                  | 17.5                | 0        |  |  |  |  |  |
| 20              | 64QAM      | 1       | 99        | 16.13                 | 16.24                    | 16.10                  |                     |          |  |  |  |  |  |
| 20              | 64QAM      | 50      | 0         | 16.06                 | 16.23                    | 16.12                  |                     |          |  |  |  |  |  |
| 20              | 64QAM      | 50      | 24        | 16.05                 | 16.22                    | 16.13                  | 17.5                | 0        |  |  |  |  |  |
| 20              | 64QAM      | 50      | 50        | 16.10                 | 16.23                    | 16.16                  |                     |          |  |  |  |  |  |
| 20              | 64QAM      | 100     | 0         | 16.12                 | 16.23                    | 16.21                  |                     |          |  |  |  |  |  |
|                 |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |
|                 |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |
|                 |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |
|                 |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |
|                 |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |
|                 |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |
|                 |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |
| Channel         |            |         |           | 37825                 | 38000                    | 38175                  | Tune-up limit (dBm) | MPR (dB) |  |  |  |  |  |
| Frequency (MHz) |            |         |           | 2577.5                | 2595                     | 2612.5                 |                     |          |  |  |  |  |  |
| 15              | QPSK       | 1       | 0         | 16.08                 | 16.26                    | 16.09                  | 17.5                | 0        |  |  |  |  |  |
| 15              | QPSK       | 1       | 37        | 16.10                 | 16.33                    | 16.20                  |                     |          |  |  |  |  |  |
| 15              | QPSK       | 1       | 74        | 16.13                 | 16.22                    | 16.12                  |                     |          |  |  |  |  |  |
| 15              | QPSK       | 36      | 0         | 16.12                 | 16.32                    | 16.15                  | 17.5                | 0        |  |  |  |  |  |
| 15              | QPSK       | 36      | 20        | 16.08                 | 16.24                    | 16.20                  |                     |          |  |  |  |  |  |
| 15              | QPSK       | 36      | 39        | 16.07                 | 16.29                    | 16.13                  |                     |          |  |  |  |  |  |
| 15              | QPSK       | 75      | 0         | 16.10                 | 16.24                    | 16.17                  | 17.5                | 0        |  |  |  |  |  |
| 15              | 16QAM      | 1       | 0         | 16.13                 | 16.22                    | 16.20                  |                     |          |  |  |  |  |  |
| 15              | 16QAM      | 1       | 37        | 16.07                 | 16.25                    | 16.19                  |                     |          |  |  |  |  |  |
| 15              | 16QAM      | 1       | 74        | 16.05                 | 16.32                    | 16.15                  | 17.5                | 0        |  |  |  |  |  |
| 15              | 16QAM      | 36      | 0         | 16.05                 | 16.29                    | 16.09                  |                     |          |  |  |  |  |  |
| 15              | 16QAM      | 36      | 20        | 16.11                 | 16.24                    | 16.09                  |                     |          |  |  |  |  |  |
| 15              | 16QAM      | 36      | 39        | 16.10                 | 16.30                    | 16.20                  | 17.5                | 0        |  |  |  |  |  |
| 15              | 16QAM      | 75      | 0         | 16.07                 | 16.26                    | 16.17                  |                     |          |  |  |  |  |  |
| 15              | 64QAM      | 1       | 0         | 16.12                 | 16.23                    | 16.17                  |                     |          |  |  |  |  |  |
| 15              | 64QAM      | 1       | 37        | 16.04                 | 16.26                    | 16.16                  | 17.5                | 0        |  |  |  |  |  |
| 15              | 64QAM      | 1       | 74        | 16.14                 | 16.30                    | 16.12                  |                     |          |  |  |  |  |  |
| 15              | 64QAM      | 36      | 0         | 16.12                 | 16.27                    | 16.18                  |                     |          |  |  |  |  |  |
| 15              | 64QAM      | 36      | 20        | 16.15                 | 16.28                    | 16.14                  | 17.5                | 0        |  |  |  |  |  |
| 15              | 64QAM      | 36      | 39        | 16.09                 | 16.25                    | 16.13                  |                     |          |  |  |  |  |  |
| 15              | 64QAM      | 75      | 0         | 16.09                 | 16.27                    | 16.20                  |                     |          |  |  |  |  |  |
|                 |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |
|                 |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |
|                 |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |
| Channel         |            |         |           | 37800                 | 38000                    | 38200                  | Tune-up limit (dBm) | MPR (dB) |  |  |  |  |  |
| Frequency (MHz) |            |         |           | 2575                  | 2595                     | 2615                   |                     |          |  |  |  |  |  |
| 10              | QPSK       | 1       | 0         | 16.04                 | 16.29                    | 16.17                  | 17.5                | 0        |  |  |  |  |  |
| 10              | QPSK       | 1       | 25        | 16.08                 | 16.27                    | 16.17                  |                     |          |  |  |  |  |  |
| 10              | QPSK       | 1       | 49        | 16.10                 | 16.23                    | 16.12                  |                     |          |  |  |  |  |  |
| 10              | QPSK       | 25      | 0         | 16.13                 | 16.31                    | 16.15                  | 17.5                | 0        |  |  |  |  |  |
| 10              | QPSK       | 25      | 12        | 16.07                 | 16.30                    | 16.12                  |                     |          |  |  |  |  |  |
| 10              | QPSK       | 25      | 25        | 16.12                 | 16.22                    | 16.11                  |                     |          |  |  |  |  |  |
| 10              | QPSK       | 50      | 0         | 16.07                 | 16.27                    | 16.14                  | 17.5                | 0        |  |  |  |  |  |
| 10              | 16QAM      | 1       | 0         | 16.12                 | 16.23                    | 16.14                  |                     |          |  |  |  |  |  |
| 10              | 16QAM      | 1       | 25        | 16.11                 | 16.27                    | 16.10                  |                     |          |  |  |  |  |  |
| 10              | 16QAM      | 1       | 49        | 16.06                 | 16.26                    | 16.21                  | 17.5                | 0        |  |  |  |  |  |
| 10              | 16QAM      | 25      | 0         | 16.15                 | 16.22                    | 16.17                  |                     |          |  |  |  |  |  |
| 10              | 16QAM      | 25      | 12        | 16.13                 | 16.32                    | 16.13                  |                     |          |  |  |  |  |  |
| 10              | 16QAM      | 25      | 25        | 16.15                 | 16.24                    | 16.20                  | 17.5                | 0        |  |  |  |  |  |
| 10              | 16QAM      | 50      | 0         | 16.11                 | 16.28                    | 16.17                  |                     |          |  |  |  |  |  |
| 10              | 64QAM      | 1       | 0         | 16.05                 | 16.32                    | 16.09                  |                     |          |  |  |  |  |  |
| 10              | 64QAM      | 1       | 25        | 16.05                 | 16.30                    | 16.17                  | 17.5                | 0        |  |  |  |  |  |
| 10              | 64QAM      | 1       | 49        | 16.15                 | 16.23                    | 16.12                  |                     |          |  |  |  |  |  |
| 10              | 64QAM      | 25      | 0         | 16.12                 | 16.25                    | 16.12                  |                     |          |  |  |  |  |  |
| 10              | 64QAM      | 25      | 12        | 16.05                 | 16.27                    | 16.16                  | 17.5                | 0        |  |  |  |  |  |
| 10              | 64QAM      | 25      | 25        | 16.04                 | 16.27                    | 16.14                  |                     |          |  |  |  |  |  |
| 10              | 64QAM      | 50      | 0         | 16.12                 | 16.24                    | 16.21                  |                     |          |  |  |  |  |  |
|                 |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |
|                 |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |
|                 |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |
| Channel         |            |         |           | 37775                 | 38000                    | 38225                  | Tune-up limit (dBm) | MPR (dB) |  |  |  |  |  |
| Frequency (MHz) |            |         |           | 2572.5                | 2595                     | 2617.5                 |                     |          |  |  |  |  |  |
| 5               | QPSK       | 1       | 0         | 16.10                 | 16.27                    | 16.17                  | 17.5                | 0        |  |  |  |  |  |
| 5               | QPSK       | 1       | 12        | 16.13                 | 16.24                    | 16.15                  |                     |          |  |  |  |  |  |
| 5               | QPSK       | 1       | 24        | 16.05                 | 16.33                    | 16.15                  |                     |          |  |  |  |  |  |
| 5               | QPSK       | 12      | 0         | 16.13                 | 16.27                    | 16.12                  | 17.5                | 0        |  |  |  |  |  |
| 5               | QPSK       | 12      | 7         | 16.10                 | 16.27                    | 16.20                  |                     |          |  |  |  |  |  |
| 5               | QPSK       | 12      | 13        | 16.06                 | 16.28                    | 16.13                  |                     |          |  |  |  |  |  |
| 5               | QPSK       | 25      | 0         | 16.12                 | 16.22                    | 16.20                  | 17.5                | 0        |  |  |  |  |  |
| 5               | 16QAM      | 1       | 0         | 16.14                 | 16.24                    | 16.09                  |                     |          |  |  |  |  |  |
| 5               | 16QAM      | 1       | 12        | 16.09                 | 16.29                    | 16.10                  |                     |          |  |  |  |  |  |
| 5               | 16QAM      | 1       | 24        | 16.13                 | 16.30                    | 16.20                  | 17.5                | 0        |  |  |  |  |  |
| 5               | 16QAM      | 12      | 0         | 16.10                 | 16.27                    | 16.19                  |                     |          |  |  |  |  |  |
| 5               | 16QAM      | 12      | 7         | 16.16                 | 16.33                    | 16.20                  |                     |          |  |  |  |  |  |
| 5               | 16QAM      | 12      | 13        | 16.12                 | 16.24                    | 16.16                  | 17.5                | 0        |  |  |  |  |  |
| 5               | 16QAM      | 25      | 0         | 16.05                 | 16.25                    | 16.19                  |                     |          |  |  |  |  |  |
| 5               | 64QAM      | 1       | 0         | 16.10                 | 16.29                    | 16.17                  |                     |          |  |  |  |  |  |
| 5               | 64QAM      | 1       | 12        | 16.10                 | 16.22                    | 16.15                  | 17.5                | 0        |  |  |  |  |  |
| 5               | 64QAM      | 1       | 24        | 16.05                 | 16.21                    | 16.13                  |                     |          |  |  |  |  |  |
| 5               | 64QAM      | 12      | 0         | 16.12                 | 16.32                    | 16.15                  |                     |          |  |  |  |  |  |
| 5               | 64QAM      | 12      | 7         | 16.09                 | 16.27                    | 16.17                  | 17.5                | 0        |  |  |  |  |  |
| 5               | 64QAM      | 12      | 13        | 16.08                 | 16.23                    | 16.17                  |                     |          |  |  |  |  |  |
| 5               | 64QAM      | 25      | 0         | 16.15                 | 16.24                    | 16.15                  |                     |          |  |  |  |  |  |
|                 |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |
|                 |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |
|                 |            |         |           |                       |                          |                        |                     |          |  |  |  |  |  |

| Band 41 HPUE Ant 1 |            |         |           |                       |                              |                          |                               |                        |                     |          |
|--------------------|------------|---------|-----------|-----------------------|------------------------------|--------------------------|-------------------------------|------------------------|---------------------|----------|
| 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         | 16.10                 | 16.18                        | 16.49                    | 16.29                         | 16.17                  | 17.5                | 0        |
| 20                 | QPSK       | 1       | 49        | 16.15                 | 16.29                        |                          |                               |                        |                     |          |

| Band 30 Ant 9   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           | 27710                 |                          |                        | 17.5                | 0        |  |
| Frequency (MHz) |            |         |           | 2310                  |                          |                        |                     |          |  |
| 10              | QPSK       | 1       | 0         |                       | 16.73                    |                        | 17.5                | 0        |  |
| 10              | QPSK       | 1       | 25        |                       | 16.57                    |                        |                     |          |  |
| 10              | QPSK       | 1       | 49        |                       | 16.57                    |                        |                     |          |  |
| 10              | QPSK       | 25      | 0         |                       | 16.69                    |                        |                     |          |  |
| 10              | QPSK       | 25      | 12        |                       | 16.64                    |                        | 17.5                | 0        |  |
| 10              | QPSK       | 25      | 25        |                       | 16.59                    |                        |                     |          |  |
| 10              | QPSK       | 50      | 0         |                       | 16.67                    |                        |                     |          |  |
| 10              | 16QAM      | 1       | 0         |                       | 16.57                    |                        |                     |          |  |
| 10              | 16QAM      | 1       | 25        |                       | 16.58                    |                        | 17.5                | 0        |  |
| 10              | 16QAM      | 1       | 49        |                       | 16.58                    |                        |                     |          |  |
| 10              | 16QAM      | 25      | 0         |                       | 16.58                    |                        |                     |          |  |
| 10              | 16QAM      | 25      | 12        |                       | 16.56                    |                        |                     |          |  |
| 10              | 16QAM      | 25      | 25        |                       | 16.67                    |                        | 17.5                | 0        |  |
| 10              | 16QAM      | 50      | 0         |                       | 16.64                    |                        |                     |          |  |
| 10              | 64QAM      | 1       | 0         |                       | 16.60                    |                        |                     |          |  |
| 10              | 64QAM      | 1       | 25        |                       | 16.57                    |                        |                     |          |  |
| 10              | 64QAM      | 1       | 49        |                       | 16.61                    |                        | 17.5                | 0        |  |
| 10              | 64QAM      | 25      | 0         |                       | 16.57                    |                        |                     |          |  |
| 10              | 64QAM      | 25      | 12        |                       | 16.60                    |                        |                     |          |  |
| 10              | 64QAM      | 25      | 25        |                       | 16.60                    |                        |                     |          |  |
| 10              | 64QAM      | 50      | 0         |                       | 16.60                    |                        | 17.5                | 0        |  |
| Channel         |            |         |           | 27685                 | 27710                    | 27735                  |                     |          |  |
| Frequency (MHz) |            |         |           | 2307.5                | 2310                     | 2312.5                 | Tune-up limit (dBm) | MPR (dB) |  |
| 5               | QPSK       | 1       | 0         | 16.55                 | 16.51                    | 16.51                  | 17.5                | 0        |  |
| 5               | QPSK       | 1       | 12        | 16.43                 | 16.50                    | 16.43                  |                     |          |  |
| 5               | QPSK       | 1       | 24        | 16.43                 | 16.48                    | 16.46                  |                     |          |  |
| 5               | QPSK       | 12      | 0         | 16.43                 | 16.49                    | 16.44                  |                     |          |  |
| 5               | QPSK       | 12      | 7         | 16.50                 | 16.51                    | 16.48                  | 17.5                | 0        |  |
| 5               | QPSK       | 12      | 13        | 16.52                 | 16.52                    | 16.51                  |                     |          |  |
| 5               | QPSK       | 25      | 0         | 16.60                 | 16.53                    | 16.62                  |                     |          |  |
| 5               | 16QAM      | 1       | 0         | 16.48                 | 16.44                    | 16.41                  |                     |          |  |
| 5               | 16QAM      | 1       | 12        | 16.50                 | 16.42                    | 16.49                  | 17.5                | 0        |  |
| 5               | 16QAM      | 1       | 24        | 16.54                 | 16.46                    | 16.47                  |                     |          |  |
| 5               | 16QAM      | 12      | 0         | 16.45                 | 16.50                    | 16.42                  |                     |          |  |
| 5               | 16QAM      | 12      | 7         | 16.41                 | 16.45                    | 16.51                  |                     |          |  |
| 5               | 16QAM      | 12      | 13        | 16.60                 | 16.58                    | 16.55                  | 17.5                | 0        |  |
| 5               | 16QAM      | 25      | 0         | 16.56                 | 16.54                    | 16.50                  |                     |          |  |
| 5               | 64QAM      | 1       | 0         | 16.47                 | 16.53                    | 16.54                  |                     |          |  |
| 5               | 64QAM      | 1       | 12        | 16.50                 | 16.45                    | 16.45                  |                     |          |  |
| 5               | 64QAM      | 1       | 24        | 16.48                 | 16.56                    | 16.46                  | 17.5                | 0        |  |
| 5               | 64QAM      | 12      | 0         | 16.48                 | 16.49                    | 16.45                  |                     |          |  |
| 5               | 64QAM      | 12      | 7         | 16.51                 | 16.53                    | 16.56                  |                     |          |  |
| 5               | 64QAM      | 12      | 13        | 16.53                 | 16.53                    | 16.50                  |                     |          |  |
| 5               | 64QAM      | 25      | 0         | 16.47                 | 16.49                    | 16.46                  | 17.5                | 0        |  |
| Channel         |            |         |           | 2307.5                | 2310                     | 2312.5                 |                     |          |  |
| Frequency (MHz) |            |         |           | 2307.5                | 2310                     | 2312.5                 | Tune-up limit (dBm) | MPR (dB) |  |

| Band 48 Ant 9   |            |         |           |                       |                              |                               |                        |                     |          |   |
|-----------------|------------|---------|-----------|-----------------------|------------------------------|-------------------------------|------------------------|---------------------|----------|---|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |   |
| Channel         |            |         |           | 55340                 | 55830                        | 56150                         | 56640                  | Tune-up limit (dBm) | MPR (dB) |   |
| Frequency (MHz) |            |         |           | 3560                  | 3609                         | 3641                          | 3690                   |                     |          |   |
| 20              | QPSK       | 1       | 0         | 21.72                 | 21.76                        | 21.63                         | 21.73                  | 22                  |          | 0 |
| 20              | QPSK       | 1       | 49        | 21.59                 | 21.67                        | 21.50                         | 21.52                  |                     |          |   |
| 20              | QPSK       | 1       | 99        | 21.57                 | 21.67                        | 21.43                         | 21.63                  |                     |          |   |
| 20              | QPSK       | 50      | 0         | 21.61                 | 21.76                        | 21.63                         | 21.66                  |                     |          |   |
| 20              | QPSK       | 50      | 24        | 21.58                 | 21.73                        | 21.54                         | 21.58                  | 22                  |          | 0 |
| 20              | QPSK       | 50      | 50        | 21.58                 | 21.65                        | 21.45                         | 21.61                  |                     |          |   |
| 20              | QPSK       | 100     | 0         | 21.67                 | 21.75                        | 21.54                         | 21.64                  |                     |          |   |
| 20              | 16QAM      | 1       | 0         | 21.64                 | 21.66                        | 21.44                         | 21.60                  |                     |          |   |
| 20              | 16QAM      | 1       | 49        | 21.55                 | 21.73                        | 21.43                         | 21.55                  | 22                  |          | 0 |
| 20              | 16QAM      | 1       | 99        | 21.60                 | 21.73                        | 21.52                         | 21.52                  |                     |          |   |
| 20              | 16QAM      | 50      | 0         | 21.60                 | 21.73                        | 21.54                         | 21.54                  |                     |          |   |
| 20              | 16QAM      | 50      | 24        | 21.55                 | 21.70                        | 21.47                         | 21.59                  |                     |          |   |
| 20              | 16QAM      | 50      | 50        | 21.64                 | 21.71                        | 21.54                         | 21.63                  | 22                  |          | 0 |
| 20              | 16QAM      | 100     | 0         | 21.56                 | 21.73                        | 21.48                         | 21.55                  |                     |          |   |
| 20              | 64QAM      | 1       | 0         | 21.65                 | 21.69                        | 21.46                         | 21.63                  |                     |          |   |
| 20              | 64QAM      | 1       | 49        | 21.60                 | 21.66                        | 21.49                         | 21.54                  |                     |          |   |
| 20              | 64QAM      | 1       | 99        | 21.64                 | 21.68                        | 21.51                         | 21.64                  | 22                  |          | 0 |
| 20              | 64QAM      | 50      | 0         | 21.62                 | 21.65                        | 21.45                         | 21.61                  |                     |          |   |
| 20              | 64QAM      | 50      | 24        | 21.66                 | 21.64                        | 21.47                         | 21.53                  |                     |          |   |
| 20              | 64QAM      | 50      | 50        | 21.58                 | 21.67                        | 21.48                         | 21.57                  |                     |          |   |
| 20              | 64QAM      | 100     | 0         | 21.66                 | 21.73                        | 21.54                         | 21.59                  | Tune-up limit (dBm) | MPR (dB) |   |
| Channel         |            |         |           | 55315                 | 55820                        | 56160                         | 56665                  |                     |          |   |
| Frequency (MHz) |            |         |           | 3557.5                | 3608                         | 3642                          | 3692.5                 |                     |          |   |
| 15              | QPSK       | 1       | 0         | 21.60                 | 21.72                        | 21.52                         | 21.62                  | 22                  |          | 0 |
| 15              | QPSK       | 1       | 37        | 21.57                 | 21.63                        | 21.41                         | 21.48                  |                     |          |   |
| 15              | QPSK       | 1       | 74        | 21.53                 | 21.64                        | 21.38                         | 21.54                  |                     |          |   |
| 15              | QPSK       | 36      | 0         | 21.59                 | 21.74                        | 21.54                         | 21.56                  |                     |          |   |
| 15              | QPSK       | 36      | 20        | 21.51                 | 21.64                        | 21.46                         | 21.58                  | 22                  |          | 0 |
| 15              | QPSK       | 36      | 39        | 21.58                 | 21.59                        | 21.40                         | 21.51                  |                     |          |   |
| 15              | QPSK       | 75      | 0         | 21.56                 | 21.64                        | 21.52                         | 21.57                  |                     |          |   |
| 15              | 16QAM      | 1       | 0         | 21.52                 | 21.57                        | 21.42                         | 21.56                  |                     |          |   |
| 15              | 16QAM      | 1       | 37        | 21.47                 | 21.71                        | 21.42                         | 21.47                  | 22                  |          | 0 |
| 15              | 16QAM      | 1       | 74        | 21.55                 | 21.71                        | 21.51                         | 21.46                  |                     |          |   |
| 15              | 16QAM      | 36      | 0         | 21.51                 | 21.67                        | 21.50                         | 21.50                  |                     |          |   |
| 15              | 16QAM      | 36      | 20        | 21.44                 | 21.59                        | 21.35                         | 21.56                  |                     |          |   |
| 15              | 16QAM      | 36      | 39        | 21.62                 | 21.68                        | 21.45                         | 21.53                  | 22                  |          | 0 |
| 15              | 16QAM      | 75      | 0         | 21.48                 | 21.67                        | 21.46                         | 21.52                  |                     |          |   |
| 15              | 64QAM      | 1       | 0         | 21.56                 | 21.60                        | 21.38                         | 21.58                  |                     |          |   |
| 15              | 64QAM      | 1       | 37        | 21.49                 | 21.66                        | 21.49                         | 21.52                  |                     |          |   |
| 15              | 64QAM      | 1       | 74        | 21.53                 | 21.62                        | 21.43                         | 21.54                  | 22                  |          | 0 |
| 15              | 64QAM      | 36      | 0         | 21.55                 | 21.54                        | 21.41                         | 21.50                  |                     |          |   |
| 15              | 64QAM      | 36      | 20        | 21.62                 | 21.63                        | 21.43                         | 21.49                  |                     |          |   |
| 15              | 64QAM      | 36      | 39        | 21.52                 | 21.61                        | 21.43                         | 21.54                  |                     |          |   |
| 15              | 64QAM      | 75      | 0         | 21.55                 | 21.70                        | 21.51                         | 21.55                  | Tune-up limit (dBm) | MPR (dB) |   |
| Channel         |            |         |           | 55290                 | 55815                        | 56165                         | 56690                  |                     |          |   |
| Frequency (MHz) |            |         |           | 3555                  | 3607.5                       | 3642.5                        | 3695                   |                     |          |   |
| 10              | QPSK       | 1       | 0         | 21.65                 | 21.68                        | 21.52                         | 21.62                  | 22                  |          | 0 |
| 10              | QPSK       | 1       | 25        | 21.47                 | 21.66                        | 21.49                         | 21.49                  |                     |          |   |
| 10              | QPSK       | 1       | 49        | 21.53                 | 21.61                        | 21.36                         | 21.53                  |                     |          |   |
| 10              | QPSK       | 25      | 0         | 21.59                 | 21.66                        | 21.57                         | 21.60                  |                     |          |   |
| 10              | QPSK       | 25      | 12        | 21.51                 | 21.67                        | 21.46                         | 21.52                  | 22                  |          | 0 |
| 10              | QPSK       | 25      | 25        | 21.55                 | 21.62                        | 21.34                         | 21.58                  |                     |          |   |
| 10              | QPSK       | 50      | 0         | 21.66                 | 21.67                        | 21.49                         | 21.58                  |                     |          |   |
| 10              | 16QAM      | 1       | 0         | 21.59                 | 21.63                        | 21.34                         | 21.54                  |                     |          |   |
| 10              | 16QAM      | 1       | 25        | 21.50                 | 21.67                        | 21.32                         | 21.48                  | 22                  |          | 0 |
| 10              | 16QAM      | 1       | 49        | 21.56                 | 21.65                        | 21.45                         | 21.43                  |                     |          |   |
| 10              | 16QAM      | 25      | 0         | 21.54                 | 21.70                        | 21.42                         | 21.43                  |                     |          |   |
| 10              | 16QAM      | 25      | 12        | 21.51                 | 21.63                        | 21.44                         | 21.57                  |                     |          |   |
| 10              | 16QAM      | 25      | 25        | 21.64                 | 21.67                        | 21.42                         | 21.59                  | 22                  |          | 0 |
| 10              | 16QAM      | 50      | 0         | 21.53                 | 21.61                        | 21.44                         | 21.51                  |                     |          |   |
| 10              | 64QAM      | 1       | 0         | 21.57                 | 21.65                        | 21.36                         | 21.62                  |                     |          |   |
| 10              | 64QAM      | 1       | 25        | 21.57                 | 21.62                        | 21.38                         | 21.47                  |                     |          |   |
| 10              | 64QAM      | 1       | 49        | 21.54                 | 21.62                        | 21.40                         | 21.56                  | 22                  |          | 0 |
| 10              | 64QAM      | 25      | 0         | 21.59                 | 21.57                        | 21.43                         | 21.55                  |                     |          |   |
| 10              | 64QAM      | 25      | 12        | 21.60                 | 21.52                        | 21.41                         | 21.51                  |                     |          |   |
| 10              | 64QAM      | 25      | 25        | 21.48                 | 21.64                        | 21.43                         | 21.46                  |                     |          |   |
| 10              | 64QAM      | 50      | 0         | 21.56                 | 21.71                        | 21.49                         | 21.51                  | Tune-up limit (dBm) | MPR (dB) |   |
| Channel         |            |         |           | 55265                 | 55810                        | 56170                         | 56715                  |                     |          |   |
| Frequency (MHz) |            |         |           | 3552.5                | 3607                         | 3643                          | 3697.5                 |                     |          |   |
| 5               | QPSK       | 1       | 0         | 21.67                 | 21.76                        | 21.53                         | 21.69                  | 22                  |          | 0 |
| 5               | QPSK       | 1       | 12        | 21.50                 | 21.59                        | 21.46                         | 21.42                  |                     |          |   |
| 5               | QPSK       | 1       | 24        | 21.55                 | 21.57                        | 21.32                         | 21.57                  |                     |          |   |
| 5               | QPSK       | 12      | 0         | 21.61                 | 21.76                        | 21.57                         | 21.66                  |                     |          |   |
| 5               | QPSK       | 12      | 7         | 21.50                 | 21.64                        | 21.51                         | 21.49                  | 22                  |          | 0 |
| 5               | QPSK       | 12      | 13        | 21.47                 | 21.59                        | 21.44                         | 21.54                  |                     |          |   |
| 5               | QPSK       | 25      | 0         | 21.60                 | 21.73                        | 21.46                         | 21.64                  |                     |          |   |
| 5               | 16QAM      | 1       | 0         | 21.53                 | 21.63                        | 21.39                         | 21.54                  |                     |          |   |
| 5               | 16QAM      | 1       | 12        | 21.54                 | 21.64                        | 21.43                         | 21.48                  | 22                  |          | 0 |
| 5               | 16QAM      | 1       | 24        | 21.51                 | 21.72                        | 21.46                         | 21.52                  |                     |          |   |
| 5               | 16QAM      | 12      | 0         | 21.52                 | 21.67                        | 21.49                         | 21.53                  |                     |          |   |
| 5               | 16QAM      | 12      | 7         | 21.55                 | 21.59                        | 21.40                         | 21.58                  |                     |          |   |
| 5               | 16QAM      | 12      | 13        | 21.54                 | 21.66                        | 21.51                         | 21.61                  | 22                  |          | 0 |
| 5               | 16QAM      | 25      | 0         | 21.56                 | 21.63                        | 21.46                         | 21.53                  |                     |          |   |
| 5               | 64QAM      | 1       | 0         | 21.63                 | 21.67                        | 21.36                         | 21.54                  |                     |          |   |
| 5               | 64QAM      | 1       | 12        | 21.59                 | 21.55                        | 21.45                         | 21.45                  |                     |          |   |
| 5               | 64QAM      | 1       | 24        | 21.53                 | 21.66                        | 21.49                         | 21.61                  | 22                  |          | 0 |
| 5               | 64QAM      | 12      | 0         | 21.56                 | 21.58                        | 21.38                         | 21.55                  |                     |          |   |
| 5               | 64QAM      | 12      | 7         | 21.62                 | 21.61                        | 21.46                         | 21.50                  |                     |          |   |
| 5               | 64QAM      | 12      | 13        | 21.53                 | 21.63                        | 21.46                         | 21.48                  |                     |          |   |
| 5               | 64QAM      | 25      | 0         | 21.63                 | 21.66                        | 21.45                         | 21.52                  |                     |          |   |

## Band 2 Ant 1 NSA

| 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         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 20              | QPSK       | 1       | 0         | 15.13                 | 15.39                    | 15.15                  | 16                  | 0        |  |  |
| 20              | QPSK       | 1       | 49        | 15.12                 | 15.25                    | 15.18                  |                     |          |  |  |
| 20              | QPSK       | 1       | 99        | 15.08                 | 15.23                    | 15.14                  |                     |          |  |  |
| 20              | QPSK       | 50      | 0         | 15.08                 | 15.35                    | 15.18                  |                     |          |  |  |
| 20              | QPSK       | 50      | 24        | 15.07                 | 15.30                    | 15.24                  | 16                  | 0        |  |  |
| 20              | QPSK       | 50      | 50        | 15.15                 | 15.24                    | 15.06                  |                     |          |  |  |
| 20              | QPSK       | 100     | 0         | 15.08                 | 15.32                    | 15.13                  |                     |          |  |  |
| 20              | 16QAM      | 1       | 0         | 15.09                 | 15.26                    | 15.17                  |                     |          |  |  |
| 20              | 16QAM      | 1       | 49        | 15.09                 | 15.25                    | 15.09                  | 16                  | 0        |  |  |
| 20              | 16QAM      | 1       | 99        | 15.11                 | 15.21                    | 15.14                  |                     |          |  |  |
| 20              | 16QAM      | 50      | 0         | 15.15                 | 15.30                    | 15.18                  |                     |          |  |  |
| 20              | 16QAM      | 50      | 24        | 15.04                 | 15.24                    | 15.20                  |                     |          |  |  |
| 20              | 16QAM      | 50      | 50        | 15.16                 | 15.32                    | 15.21                  | 16                  | 0        |  |  |
| 20              | 16QAM      | 100     | 0         | 15.15                 | 15.33                    | 15.14                  |                     |          |  |  |
| 20              | 64QAM      | 1       | 0         | 15.09                 | 15.32                    | 15.11                  |                     |          |  |  |
| 20              | 64QAM      | 1       | 49        | 15.10                 | 15.23                    | 15.20                  |                     |          |  |  |
| 20              | 64QAM      | 1       | 99        | 15.04                 | 15.30                    | 15.09                  | 16                  | 0        |  |  |
| 20              | 64QAM      | 50      | 0         | 15.08                 | 15.31                    | 15.08                  |                     |          |  |  |
| 20              | 64QAM      | 50      | 24        | 15.04                 | 15.35                    | 15.10                  |                     |          |  |  |
| 20              | 64QAM      | 50      | 50        | 15.13                 | 15.32                    | 15.22                  |                     |          |  |  |
| 20              | 64QAM      | 100     | 0         | 15.11                 | 15.29                    | 15.03                  | 16                  | 0        |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 15              | QPSK       | 1       | 0         | 15.06                 | 15.19                    | 15.07                  | 16                  | 0        |  |  |
| 15              | QPSK       | 1       | 37        | 15.00                 | 15.17                    | 15.01                  |                     |          |  |  |
| 15              | QPSK       | 1       | 74        | 14.99                 | 15.17                    | 15.02                  |                     |          |  |  |
| 15              | QPSK       | 36      | 0         | 14.98                 | 15.15                    | 15.07                  |                     |          |  |  |
| 15              | QPSK       | 36      | 20        | 14.97                 | 15.16                    | 15.12                  | 16                  | 0        |  |  |
| 15              | QPSK       | 36      | 39        | 14.99                 | 15.15                    | 14.97                  |                     |          |  |  |
| 15              | QPSK       | 75      | 0         | 14.91                 | 15.19                    | 15.05                  |                     |          |  |  |
| 15              | 16QAM      | 1       | 0         | 15.08                 | 15.12                    | 15.05                  |                     |          |  |  |
| 15              | 16QAM      | 1       | 37        | 14.98                 | 15.17                    | 14.96                  | 16                  | 0        |  |  |
| 15              | 16QAM      | 1       | 74        | 14.94                 | 15.13                    | 15.05                  |                     |          |  |  |
| 15              | 16QAM      | 36      | 0         | 14.99                 | 15.22                    | 15.07                  |                     |          |  |  |
| 15              | 16QAM      | 36      | 20        | 14.93                 | 15.11                    | 15.10                  |                     |          |  |  |
| 15              | 16QAM      | 36      | 39        | 15.08                 | 15.23                    | 15.15                  | 16                  | 0        |  |  |
| 15              | 16QAM      | 75      | 0         | 14.96                 | 15.19                    | 15.09                  |                     |          |  |  |
| 15              | 64QAM      | 1       | 0         | 15.02                 | 15.26                    | 15.02                  |                     |          |  |  |
| 15              | 64QAM      | 1       | 37        | 14.91                 | 15.15                    | 15.00                  |                     |          |  |  |
| 15              | 64QAM      | 1       | 74        | 14.96                 | 15.25                    | 14.97                  | 16                  | 0        |  |  |
| 15              | 64QAM      | 36      | 0         | 14.95                 | 15.24                    | 15.09                  |                     |          |  |  |
| 15              | 64QAM      | 36      | 20        | 15.00                 | 15.20                    | 14.99                  |                     |          |  |  |
| 15              | 64QAM      | 36      | 39        | 14.99                 | 15.18                    | 15.05                  |                     |          |  |  |
| 15              | 64QAM      | 75      | 0         | 15.02                 | 15.11                    | 15.01                  | 16                  | 0        |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 10              | QPSK       | 1       | 0         | 15.02                 | 15.24                    | 15.02                  | 16                  | 0        |  |  |
| 10              | QPSK       | 1       | 25        | 15.00                 | 15.14                    | 15.02                  |                     |          |  |  |
| 10              | QPSK       | 1       | 49        | 14.92                 | 15.12                    | 15.10                  |                     |          |  |  |
| 10              | QPSK       | 25      | 0         | 14.91                 | 15.14                    | 15.06                  |                     |          |  |  |
| 10              | QPSK       | 25      | 12        | 14.92                 | 15.14                    | 15.10                  | 16                  | 0        |  |  |
| 10              | QPSK       | 25      | 25        | 15.07                 | 15.11                    | 14.96                  |                     |          |  |  |
| 10              | QPSK       | 50      | 0         | 14.92                 | 15.14                    | 15.02                  |                     |          |  |  |
| 10              | 16QAM      | 1       | 0         | 15.07                 | 15.17                    | 15.04                  |                     |          |  |  |
| 10              | 16QAM      | 1       | 25        | 15.07                 | 15.23                    | 14.98                  | 16                  | 0        |  |  |
| 10              | 16QAM      | 1       | 49        | 14.99                 | 15.20                    | 15.01                  |                     |          |  |  |
| 10              | 16QAM      | 25      | 0         | 14.98                 | 15.23                    | 15.03                  |                     |          |  |  |
| 10              | 16QAM      | 25      | 12        | 14.99                 | 15.19                    | 15.10                  |                     |          |  |  |
| 10              | 16QAM      | 25      | 25        | 15.02                 | 15.19                    | 15.09                  | 16                  | 0        |  |  |
| 10              | 16QAM      | 50      | 0         | 14.95                 | 15.11                    | 15.02                  |                     |          |  |  |
| 10              | 64QAM      | 1       | 0         | 15.05                 | 15.20                    | 15.05                  |                     |          |  |  |
| 10              | 64QAM      | 1       | 25        | 15.00                 | 15.17                    | 15.03                  |                     |          |  |  |
| 10              | 64QAM      | 1       | 49        | 14.89                 | 15.16                    | 14.97                  | 16                  | 0        |  |  |
| 10              | 64QAM      | 25      | 0         | 15.04                 | 15.18                    | 14.97                  |                     |          |  |  |
| 10              | 64QAM      | 25      | 12        | 14.91                 | 15.17                    | 15.00                  |                     |          |  |  |
| 10              | 64QAM      | 25      | 25        | 15.05                 | 15.18                    | 15.12                  |                     |          |  |  |
| 10              | 64QAM      | 50      | 0         | 15.06                 | 15.12                    | 14.95                  | 16                  | 0        |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 5               | QPSK       | 1       | 0         | 15.01                 | 15.23                    | 15.00                  | 16                  | 0        |  |  |
| 5               | QPSK       | 1       | 12        | 14.99                 | 15.17                    | 15.04                  |                     |          |  |  |
| 5               | QPSK       | 1       | 24        | 14.94                 | 15.11                    | 15.11                  |                     |          |  |  |
| 5               | QPSK       | 12      | 0         | 14.96                 | 15.16                    | 15.13                  |                     |          |  |  |
| 5               | QPSK       | 12      | 7         | 14.95                 | 15.09                    | 15.09                  | 16                  | 0        |  |  |
| 5               | QPSK       | 12      | 13        | 15.03                 | 15.13                    | 15.05                  |                     |          |  |  |
| 5               | QPSK       | 25      | 0         | 14.96                 | 15.16                    | 14.98                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 0         | 15.01                 | 15.15                    | 15.02                  |                     |          |  |  |
| 5               | 16QAM      | 1       | 12        | 14.99                 | 15.17                    | 15.02                  | 16                  | 0        |  |  |
| 5               | 16QAM      | 1       | 24        | 14.92                 | 15.13                    | 15.06                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 0         | 14.98                 | 15.22                    | 15.13                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 7         | 14.95                 | 15.09                    | 15.10                  |                     |          |  |  |
| 5               | 16QAM      | 12      | 13        | 15.07                 | 15.22                    | 15.14                  | 16                  | 0        |  |  |
| 5               | 16QAM      | 25      | 0         | 15.07                 | 15.17                    | 15.02                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 0         | 14.99                 | 15.20                    | 15.00                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 12        | 14.92                 | 15.12                    | 15.05                  |                     |          |  |  |
| 5               | 64QAM      | 1       | 24        | 14.88                 | 15.24                    | 14.97                  | 16                  | 0        |  |  |
| 5               | 64QAM      | 12      | 0         | 15.05                 | 15.22                    | 15.06                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 7         | 14.98                 | 15.23                    | 15.03                  |                     |          |  |  |
| 5               | 64QAM      | 12      | 13        | 15.01                 | 15.23                    | 15.05                  |                     |          |  |  |
| 5               | 64QAM      | 25      | 0         | 15.05                 | 15.14                    | 14.99                  | 16                  | 0        |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 3               | QPSK       | 1       | 0         | 14.98                 | 15.22                    | 15.05                  | 16                  | 0        |  |  |
| 3               | QPSK       | 1       | 8         | 14.96                 | 15.13                    | 15.06                  |                     |          |  |  |
| 3               | QPSK       | 1       | 14        | 14.94                 | 15.08                    | 15.08                  |                     |          |  |  |
| 3               | QPSK       | 8       | 0         | 14.93                 | 15.16                    | 15.07                  |                     |          |  |  |
| 3               | QPSK       | 8       | 4         | 14.91                 | 15.19                    | 15.15                  | 16                  | 0        |  |  |
| 3               | QPSK       | 8       | 7         | 14.99                 | 15.10                    | 14.96                  |                     |          |  |  |
| 3               | QPSK       | 15      | 0         | 14.94                 | 15.18                    | 15.01                  |                     |          |  |  |
| 3               | 16QAM      | 1       | 0         | 15.08                 | 15.11                    | 15.02                  |                     |          |  |  |
| 3               | 16QAM      | 1       | 8         | 15.04                 | 15.13                    | 15.03                  | 16                  | 0        |  |  |
| 3               | 16QAM      | 1       | 14        | 14.93                 | 15.13                    | 15.08                  |                     |          |  |  |
| 3               | 16QAM      | 8       | 0         | 14.97                 | 15.23                    | 15.10                  |                     |          |  |  |
| 3               | 16QAM      | 8       | 4         | 14.92                 | 15.11                    | 15.07                  |                     |          |  |  |
| 3               | 16QAM      | 8       | 7         | 15.05                 | 15.21                    | 15.09                  | 16                  | 0        |  |  |
| 3               | 16QAM      | 15      | 0         | 15.05                 | 15.16                    | 15.10                  |                     |          |  |  |
| 3               | 64QAM      | 1       | 0         | 15.03                 | 15.27                    | 15.03                  |                     |          |  |  |
| 3               | 64QAM      | 1       | 8         | 15.01                 | 15.22                    | 15.00                  |                     |          |  |  |
| 3               | 64QAM      | 1       | 14        | 14.94                 | 15.20                    | 15.04                  | 16                  | 0        |  |  |
| 3               | 64QAM      | 8       | 0         | 15.03                 | 15.26                    | 15.02                  |                     |          |  |  |
| 3               | 64QAM      | 8       | 4         | 14.99                 | 15.28                    | 15.02                  |                     |          |  |  |
| 3               | 64QAM      | 8       | 7         | 15.01                 | 15.29                    | 15.12                  |                     |          |  |  |
| 3               | 64QAM      | 15      | 0         | 15.09                 | 15.13                    | 15.01                  | 16                  | 0        |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 1.4             | QPSK       | 1       | 0         | 15.06                 | 15.28                    | 15.13                  | 16                  | 0        |  |  |
| 1.4             | QPSK       | 1       | 3         | 15.00                 | 15.14                    | 15.08                  |                     |          |  |  |
| 1.4             | QPSK       | 1       | 5         | 14.97                 | 15.10                    | 15.09                  |                     |          |  |  |
| 1.4             | QPSK       | 3       | 0         | 14.89                 | 15.21                    | 15.09                  |                     |          |  |  |
| 1.4             | QPSK       | 3       | 1         | 15.01                 | 15.14                    | 15.14                  | 16                  | 0        |  |  |
| 1.4             | QPSK       | 3       | 3         | 15.04                 | 15.08                    | 15.03                  |                     |          |  |  |
| 1.4             | QPSK       | 6       | 0         | 14.98                 | 15.23                    | 15.02                  |                     |          |  |  |
| 1.4             | 16QAM      | 1       | 0         | 15.05                 | 15.12                    | 15.00                  |                     |          |  |  |
| 1.4             | 16QAM      | 1       | 3         | 15.05                 | 15.22                    | 15.05                  | 16                  | 0        |  |  |
| 1.4             | 16QAM      | 1       | 5         | 14.99                 | 15.19                    | 15.04                  |                     |          |  |  |
| 1.4             | 16QAM      | 3       | 0         | 15.07                 | 15.15                    | 15.04                  |                     |          |  |  |
| 1.4             | 16QAM      | 3       | 1         | 14.90                 | 15.09                    | 15.01                  |                     |          |  |  |
| 1.4             | 16QAM      | 3       | 3         | 14.99                 | 15.24                    | 15.06                  | 16                  | 0        |  |  |
| 1.4             | 16QAM      | 6       | 0         | 15.05                 | 15.14                    | 15.12                  |                     |          |  |  |
| 1.4             | 64QAM      | 1       | 0         | 15.01                 | 15.27                    | 15.05                  |                     |          |  |  |
| 1.4             | 64QAM      | 1       | 3         | 14.90                 | 15.21                    | 15.10                  |                     |          |  |  |
| 1.4             | 64QAM      | 1       | 5         | 14.92                 | 15.16                    | 14.99                  | 16                  | 0        |  |  |
| 1.4             | 64QAM      | 3       | 0         | 15.02                 | 15.22                    | 14.98                  |                     |          |  |  |
| 1.4             | 64QAM      | 3       | 1         | 14.91                 | 15.20                    | 14.99                  |                     |          |  |  |
| 1.4             | 64QAM      | 3       | 3         | 15.06                 | 15.24                    | 15.05                  |                     |          |  |  |
| 1.4             | 64QAM      | 6       | 0         | 15.00                 | 15.20                    | 15.01                  | 16                  | 0        |  |  |

## Reduced Power Mode for Sensor on ENDC

## Band 5 Ant 1 NSA

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq.<br>20450 | Power Middle<br>Ch. / Freq.<br>20525 | Power High<br>Ch. / Freq.<br>20600 | Tune-up limit<br>(dBm) | MPR<br>(dB) |                        |             |
|-----------------|------------|---------|-----------|-----------------------------------|--------------------------------------|------------------------------------|------------------------|-------------|------------------------|-------------|
| Channel         |            |         |           |                                   |                                      |                                    |                        |             |                        |             |
| Frequency (MHz) |            |         |           |                                   |                                      |                                    |                        |             |                        |             |
| 10              | QPSK       | 1       | 0         | 20.77                             | 21.09                                | 20.90                              | 22                     | 0           |                        |             |
| 10              | QPSK       | 1       | 25        | 20.81                             | 21.03                                | 20.86                              |                        |             |                        |             |
| 10              | QPSK       | 1       | 49        | 20.80                             | 20.97                                | 20.86                              |                        |             |                        |             |
| 10              | QPSK       | 25      | 0         | 20.75                             | 21.04                                | 20.88                              |                        |             |                        |             |
| 10              | QPSK       | 25      | 12        | 20.72                             | 21.03                                | 20.92                              |                        |             |                        |             |
| 10              | QPSK       | 25      | 25        | 20.73                             | 20.97                                | 20.84                              |                        |             |                        |             |
| 10              | QPSK       | 50      | 0         | 20.72                             | 21.01                                | 20.90                              | 22                     | 0           |                        |             |
| 10              | 16QAM      | 1       | 0         | 20.76                             | 21.03                                | 20.86                              |                        |             |                        |             |
| 10              | 16QAM      | 1       | 25        | 20.73                             | 21.03                                | 20.90                              |                        |             |                        |             |
| 10              | 16QAM      | 1       | 49        | 20.72                             | 20.92                                | 20.92                              |                        |             |                        |             |
| 10              | 16QAM      | 25      | 0         | 20.79                             | 20.98                                | 20.92                              |                        |             |                        |             |
| 10              | 16QAM      | 25      | 12        | 20.81                             | 20.97                                | 20.90                              |                        |             |                        |             |
| 10              | 16QAM      | 25      | 25        | 20.75                             | 20.98                                | 20.86                              | 22                     | 0           |                        |             |
| 10              | 16QAM      | 50      | 0         | 20.74                             | 20.95                                | 20.85                              |                        |             |                        |             |
| 10              | 16QAM      | 1       | 0         | 20.76                             | 21.03                                | 20.86                              |                        |             |                        |             |
| 10              | 16QAM      | 1       | 25        | 20.74                             | 20.94                                | 20.95                              |                        |             |                        |             |
| 10              | 16QAM      | 1       | 49        | 20.82                             | 21.03                                | 20.86                              |                        |             |                        |             |
| 10              | 16QAM      | 25      | 0         | 20.78                             | 20.98                                | 20.95                              |                        |             |                        |             |
| 10              | 16QAM      | 25      | 12        | 20.72                             | 20.95                                | 20.91                              | 22                     | 0           |                        |             |
| 10              | 16QAM      | 25      | 25        | 20.70                             | 20.97                                | 20.86                              |                        |             |                        |             |
| 10              | 16QAM      | 50      | 0         | 20.75                             | 21.01                                | 20.91                              |                        |             |                        |             |
| Channel         |            |         |           |                                   |                                      |                                    |                        |             |                        |             |
| Frequency (MHz) |            |         |           |                                   |                                      |                                    |                        |             |                        |             |
|                 |            |         |           | 20425                             | 20525                                | 20625                              |                        |             | Tune-up limit<br>(dBm) | MPR<br>(dB) |
|                 |            |         |           | 826.5                             | 836.5                                | 846.5                              |                        |             |                        |             |
| 5               | QPSK       | 1       | 0         | 20.70                             | 20.93                                | 20.84                              | 22                     | 0           |                        |             |
| 5               | QPSK       | 1       | 12        | 20.72                             | 20.86                                | 20.83                              |                        |             |                        |             |
| 5               | QPSK       | 1       | 24        | 20.64                             | 20.92                                | 20.76                              |                        |             |                        |             |
| 5               | QPSK       | 12      | 0         | 20.60                             | 20.83                                | 20.81                              |                        |             |                        |             |
| 5               | QPSK       | 12      | 7         | 20.71                             | 20.92                                | 20.83                              |                        |             |                        |             |
| 5               | QPSK       | 12      | 13        | 20.66                             | 20.86                                | 20.86                              |                        |             |                        |             |
| 5               | QPSK       | 25      | 0         | 20.68                             | 20.93                                | 20.80                              | 22                     | 0           |                        |             |
| 5               | 16QAM      | 1       | 0         | 20.70                             | 20.93                                | 20.83                              |                        |             |                        |             |
| 5               | 16QAM      | 1       | 12        | 20.72                             | 20.83                                | 20.80                              |                        |             |                        |             |
| 5               | 16QAM      | 1       | 24        | 20.67                             | 20.88                                | 20.79                              |                        |             |                        |             |
| 5               | 16QAM      | 12      | 0         | 20.64                             | 20.84                                | 20.77                              |                        |             |                        |             |
| 5               | 16QAM      | 12      | 7         | 20.67                             | 20.89                                | 20.83                              |                        |             |                        |             |
| 5               | 16QAM      | 12      | 13        | 20.66                             | 20.89                                | 20.76                              | 22                     | 0           |                        |             |
| 5               | 16QAM      | 25      | 0         | 20.65                             | 20.84                                | 20.84                              |                        |             |                        |             |
| 5               | 16QAM      | 1       | 0         | 20.69                             | 20.91                                | 20.78                              |                        |             |                        |             |
| 5               | 16QAM      | 1       | 12        | 20.66                             | 20.87                                | 20.77                              |                        |             |                        |             |
| 5               | 16QAM      | 1       | 24        | 20.66                             | 20.92                                | 20.83                              |                        |             |                        |             |
| 5               | 16QAM      | 12      | 0         | 20.66                             | 20.86                                | 20.80                              |                        |             |                        |             |
| 5               | 16QAM      | 12      | 7         | 20.67                             | 20.89                                | 20.81                              | 22                     | 0           |                        |             |
| 5               | 16QAM      | 12      | 13        | 20.70                             | 20.91                                | 20.82                              |                        |             |                        |             |
| 5               | 16QAM      | 25      | 0         | 20.62                             | 20.82                                | 20.82                              |                        |             |                        |             |
| Channel         |            |         |           |                                   |                                      |                                    |                        |             |                        |             |
| Frequency (MHz) |            |         |           |                                   |                                      |                                    |                        |             |                        |             |
|                 |            |         |           | 825.5                             | 836.5                                | 847.5                              |                        |             | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 3               | QPSK       | 1       | 0         | 20.66                             | 20.82                                | 20.85                              | 22                     | 0           |                        |             |
| 3               | QPSK       | 1       | 8         | 20.71                             | 20.91                                | 20.78                              |                        |             |                        |             |
| 3               | QPSK       | 1       | 14        | 20.64                             | 20.91                                | 20.80                              |                        |             |                        |             |
| 3               | QPSK       | 6       | 0         | 20.62                             | 20.92                                | 20.84                              |                        |             |                        |             |
| 3               | QPSK       | 6       | 4         | 20.66                             | 20.86                                | 20.76                              |                        |             |                        |             |
| 3               | QPSK       | 8       | 7         | 20.72                             | 20.90                                | 20.80                              |                        |             |                        |             |
| 3               | QPSK       | 15      | 0         | 20.63                             | 20.85                                | 20.85                              | 22                     | 0           |                        |             |
| 3               | 16QAM      | 1       | 0         | 20.70                             | 20.82                                | 20.85                              |                        |             |                        |             |
| 3               | 16QAM      | 1       | 8         | 20.61                             | 20.93                                | 20.75                              |                        |             |                        |             |
| 3               | 16QAM      | 1       | 14        | 20.67                             | 20.91                                | 20.84                              |                        |             |                        |             |
| 3               | 16QAM      | 8       | 0         | 20.72                             | 20.90                                | 20.76                              |                        |             |                        |             |
| 3               | 16QAM      | 8       | 4         | 20.68                             | 20.82                                | 20.78                              |                        |             |                        |             |
| 3               | 16QAM      | 8       | 7         | 20.64                             | 20.85                                | 20.83                              | 22                     | 0           |                        |             |
| 3               | 16QAM      | 15      | 0         | 20.63                             | 20.88                                | 20.83                              |                        |             |                        |             |
| 3               | 16QAM      | 1       | 0         | 20.66                             | 20.84                                | 20.82                              |                        |             |                        |             |
| 3               | 16QAM      | 1       | 8         | 20.63                             | 20.88                                | 20.85                              |                        |             |                        |             |
| 3               | 16QAM      | 1       | 14        | 20.67                             | 20.85                                | 20.84                              |                        |             |                        |             |
| 3               | 16QAM      | 8       | 0         | 20.66                             | 20.84                                | 20.78                              |                        |             |                        |             |
| 3               | 16QAM      | 8       | 4         | 20.66                             | 20.84                                | 20.86                              | 22                     | 0           |                        |             |
| 3               | 16QAM      | 8       | 7         | 20.70                             | 20.92                                | 20.75                              |                        |             |                        |             |
| 3               | 16QAM      | 15      | 0         | 20.66                             | 20.91                                | 20.78                              |                        |             |                        |             |
| Channel         |            |         |           |                                   |                                      |                                    |                        |             |                        |             |
| Frequency (MHz) |            |         |           |                                   |                                      |                                    |                        |             |                        |             |
|                 |            |         |           | 824.5                             | 836.5                                | 848.5                              |                        |             | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| 1.4             | QPSK       | 1       | 0         | 20.85                             | 20.89                                | 20.86                              | 22                     | 0           |                        |             |
| 1.4             | QPSK       | 1       | 3         | 20.85                             | 20.85                                | 20.82                              |                        |             |                        |             |
| 1.4             | QPSK       | 1       | 5         | 20.66                             | 20.93                                | 20.78                              |                        |             |                        |             |
| 1.4             | QPSK       | 3       | 0         | 20.71                             | 20.85                                | 20.85                              |                        |             |                        |             |
| 1.4             | QPSK       | 3       | 1         | 20.72                             | 20.91                                | 20.85                              |                        |             |                        |             |
| 1.4             | QPSK       | 3       | 3         | 20.70                             | 20.90                                | 20.83                              |                        |             |                        |             |
| 1.4             | QPSK       | 6       | 0         | 20.66                             | 20.89                                | 20.79                              | 22                     | 0           |                        |             |
| 1.4             | 16QAM      | 1       | 0         | 20.71                             | 20.92                                | 20.83                              |                        |             |                        |             |
| 1.4             | 16QAM      | 1       | 3         | 20.81                             | 20.78                                | 20.84                              |                        |             |                        |             |
| 1.4             | 16QAM      | 1       | 5         | 20.61                             | 20.94                                | 20.84                              |                        |             |                        |             |
| 1.4             | 16QAM      | 3       | 0         | 20.61                             | 20.85                                | 20.78                              |                        |             |                        |             |
| 1.4             | 16QAM      | 3       | 1         | 20.72                             | 20.84                                | 20.83                              |                        |             |                        |             |
| 1.4             | 16QAM      | 3       | 3         | 20.69                             | 20.83                                | 20.84                              | 22                     | 0           |                        |             |
| 1.4             | 16QAM      | 6       | 0         | 20.69                             | 20.93                                | 20.82                              |                        |             |                        |             |
| 1.4             | 16QAM      | 1       | 0         | 20.68                             | 20.86                                | 20.79                              |                        |             |                        |             |
| 1.4             | 16QAM      | 1       | 3         | 20.71                             | 20.85                                | 20.78                              |                        |             |                        |             |
| 1.4             | 16QAM      | 3       | 1         | 20.67                             | 20.87                                | 20.75                              |                        |             |                        |             |
| 1.4             | 16QAM      | 3       | 5         | 20.70                             | 20.83                                | 20.72                              |                        |             |                        |             |
| 1.4             | 16QAM      | 3       | 3         | 20.64                             | 20.84                                | 20.76                              | 22                     | 0           |                        |             |
| 1.4             | 16QAM      | 6       | 0         | 20.64                             | 20.82                                | 20.77                              |                        |             |                        |             |
| 1.4             | 16QAM      | 1       | 0         | 20.68                             | 20.86                                | 20.79                              |                        |             |                        |             |
| 1.4             | 16QAM      | 1       | 3         | 20.71                             | 20.85                                | 20.78                              |                        |             |                        |             |
| 1.4             | 16QAM      | 3       | 1         | 20.67                             | 20.87                                | 20.75                              |                        |             |                        |             |
| 1.4             | 16QAM      | 3       | 5         | 20.61                             | 20.92                                | 20.81                              |                        |             |                        |             |

| Band 12 Ant 1 NSA |            |         |           |                       |                          |                        |                     |          |  |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         | 20.75                 | 20.99                    | 20.79                  | 21.5                | 0        |  |
| 10                | QPSK       | 1       | 25        | 20.69                 | 20.95                    | 20.87                  |                     |          |  |
| 10                | QPSK       | 1       | 49        | 20.79                 | 20.90                    | 20.85                  |                     |          |  |
| 10                | QPSK       | 25      | 0         | 20.74                 | 20.95                    | 20.84                  |                     |          |  |
| 10                | QPSK       | 25      | 12        | 20.69                 | 20.94                    | 20.83                  |                     |          |  |
| 10                | QPSK       | 25      | 25        | 20.67                 | 20.89                    | 20.82                  | 21.5                | 0        |  |
| 10                | QPSK       | 50      | 0         | 20.77                 | 20.92                    | 20.76                  |                     |          |  |
| 10                | 16QAM      | 1       | 0         | 20.75                 | 20.94                    | 20.84                  |                     |          |  |
| 10                | 16QAM      | 1       | 25        | 20.74                 | 20.87                    | 20.81                  |                     |          |  |
| 10                | 16QAM      | 1       | 49        | 20.75                 | 20.85                    | 20.81                  |                     |          |  |
| 10                | 16QAM      | 25      | 0         | 20.77                 | 20.96                    | 20.76                  | 21.5                | 0        |  |
| 10                | 16QAM      | 25      | 12        | 20.67                 | 20.96                    | 20.80                  |                     |          |  |
| 10                | 16QAM      | 25      | 25        | 20.74                 | 20.95                    | 20.81                  |                     |          |  |
| 10                | 16QAM      | 50      | 0         | 20.68                 | 20.85                    | 20.86                  |                     |          |  |
| 10                | 64QAM      | 1       | 0         | 20.71                 | 20.97                    | 20.76                  |                     |          |  |
| 10                | 64QAM      | 1       | 25        | 20.68                 | 20.94                    | 20.76                  | 21.5                | 0        |  |
| 10                | 64QAM      | 1       | 49        | 20.67                 | 20.90                    | 20.84                  |                     |          |  |
| 10                | 64QAM      | 25      | 0         | 20.25                 | 20.39                    | 20.31                  |                     |          |  |
| 10                | 64QAM      | 25      | 12        | 20.21                 | 20.36                    | 20.29                  |                     |          |  |
| 10                | 64QAM      | 25      | 25        | 20.19                 | 20.39                    | 20.37                  |                     |          |  |
| 10                | 64QAM      | 50      | 0         | 20.29                 | 20.37                    | 20.37                  |                     | 21       |  |
| Channel           |            |         |           | 23035                 | 23095                    | 23155                  |                     |          |  |
| Frequency (MHz)   |            |         |           | 701.5                 | 707.5                    | 713.5                  | Tune-up limit (dBm) | MPR (dB) |  |
| 5                 | QPSK       | 1       | 0         | 20.62                 | 20.84                    | 20.67                  | 21.5                | 0        |  |
| 5                 | QPSK       | 1       | 12        | 20.64                 | 20.78                    | 20.65                  |                     |          |  |
| 5                 | QPSK       | 1       | 24        | 20.65                 | 20.83                    | 20.77                  |                     |          |  |
| 5                 | QPSK       | 12      | 0         | 20.58                 | 20.76                    | 20.68                  |                     |          |  |
| 5                 | QPSK       | 12      | 7         | 20.65                 | 20.84                    | 20.68                  |                     |          |  |
| 5                 | QPSK       | 12      | 13        | 20.69                 | 20.77                    | 20.68                  | 21.5                | 0        |  |
| 5                 | QPSK       | 25      | 0         | 20.58                 | 20.85                    | 20.71                  |                     |          |  |
| 5                 | 16QAM      | 1       | 0         | 20.67                 | 20.83                    | 20.69                  |                     |          |  |
| 5                 | 16QAM      | 1       | 12        | 20.63                 | 20.76                    | 20.75                  |                     |          |  |
| 5                 | 16QAM      | 1       | 24        | 20.63                 | 20.85                    | 20.72                  |                     |          |  |
| 5                 | 16QAM      | 12      | 0         | 20.62                 | 20.79                    | 20.73                  | 21.5                | 0        |  |
| 5                 | 16QAM      | 12      | 7         | 20.60                 | 20.86                    | 20.69                  |                     |          |  |
| 5                 | 16QAM      | 12      | 13        | 20.60                 | 20.78                    | 20.69                  |                     |          |  |
| 5                 | 16QAM      | 25      | 0         | 20.62                 | 20.85                    | 20.69                  |                     |          |  |
| 5                 | 64QAM      | 1       | 0         | 20.68                 | 20.81                    | 20.65                  |                     |          |  |
| 5                 | 64QAM      | 1       | 12        | 20.62                 | 20.86                    | 20.68                  | 21.5                | 0        |  |
| 5                 | 64QAM      | 1       | 24        | 20.60                 | 20.79                    | 20.73                  |                     |          |  |
| 5                 | 64QAM      | 12      | 0         | 20.09                 | 20.36                    | 20.16                  |                     |          |  |
| 5                 | 64QAM      | 12      | 7         | 20.08                 | 20.33                    | 20.24                  |                     |          |  |
| 5                 | 64QAM      | 12      | 13        | 20.13                 | 20.25                    | 20.19                  |                     |          |  |
| 5                 | 64QAM      | 25      | 0         | 20.11                 | 20.33                    | 20.17                  |                     | 21       |  |
| Channel           |            |         |           | 23025                 | 23095                    | 23165                  |                     |          |  |
| Frequency (MHz)   |            |         |           | 700.5                 | 707.5                    | 714.5                  | Tune-up limit (dBm) | MPR (dB) |  |
| 3                 | QPSK       | 1       | 0         | 20.59                 | 20.82                    | 20.70                  | 21.5                | 0        |  |
| 3                 | QPSK       | 1       | 8         | 20.62                 | 20.83                    | 20.75                  |                     |          |  |
| 3                 | QPSK       | 1       | 14        | 20.64                 | 20.79                    | 20.68                  |                     |          |  |
| 3                 | QPSK       | 8       | 0         | 20.68                 | 20.85                    | 20.66                  |                     |          |  |
| 3                 | QPSK       | 8       | 4         | 20.58                 | 20.77                    | 20.66                  |                     |          |  |
| 3                 | QPSK       | 8       | 7         | 20.67                 | 20.81                    | 20.74                  | 21.5                | 0        |  |
| 3                 | QPSK       | 15      | 0         | 20.60                 | 20.84                    | 20.73                  |                     |          |  |
| 3                 | 16QAM      | 1       | 0         | 20.61                 | 20.81                    | 20.72                  |                     |          |  |
| 3                 | 16QAM      | 1       | 8         | 20.58                 | 20.81                    | 20.70                  |                     |          |  |
| 3                 | 16QAM      | 1       | 14        | 20.60                 | 20.83                    | 20.69                  |                     |          |  |
| 3                 | 16QAM      | 8       | 0         | 20.62                 | 20.76                    | 20.76                  | 21.5                | 0        |  |
| 3                 | 16QAM      | 8       | 4         | 20.68                 | 20.78                    | 20.72                  |                     |          |  |
| 3                 | 16QAM      | 8       | 7         | 20.61                 | 20.85                    | 20.70                  |                     |          |  |
| 3                 | 16QAM      | 15      | 0         | 20.66                 | 20.76                    | 20.69                  |                     |          |  |
| 3                 | 64QAM      | 1       | 0         | 20.64                 | 20.76                    | 20.68                  |                     |          |  |
| 3                 | 64QAM      | 1       | 8         | 20.59                 | 20.86                    | 20.77                  | 21.5                | 0        |  |
| 3                 | 64QAM      | 1       | 14        | 20.64                 | 20.81                    | 20.68                  |                     |          |  |
| 3                 | 64QAM      | 8       | 0         | 20.14                 | 20.25                    | 20.16                  |                     |          |  |
| 3                 | 64QAM      | 8       | 4         | 20.09                 | 20.31                    | 20.19                  |                     |          |  |
| 3                 | 64QAM      | 8       | 7         | 20.13                 | 20.30                    | 20.17                  |                     |          |  |
| 3                 | 64QAM      | 15      | 0         | 20.12                 | 20.37                    | 20.18                  |                     | 21       |  |
| Channel           |            |         |           | 23017                 | 23095                    | 23173                  |                     |          |  |
| Frequency (MHz)   |            |         |           | 699.7                 | 707.5                    | 715.3                  | Tune-up limit (dBm) | MPR (dB) |  |
| 1.4               | QPSK       | 1       | 0         | 20.63                 | 20.79                    | 20.72                  | 21.5                | 0        |  |
| 1.4               | QPSK       | 1       | 3         | 20.67                 | 20.78                    | 20.73                  |                     |          |  |
| 1.4               | QPSK       | 1       | 5         | 20.63                 | 20.76                    | 20.68                  |                     |          |  |
| 1.4               | QPSK       | 3       | 0         | 20.61                 | 20.84                    | 20.74                  |                     |          |  |
| 1.4               | QPSK       | 3       | 1         | 20.67                 | 20.77                    | 20.68                  |                     |          |  |
| 1.4               | QPSK       | 3       | 3         | 20.65                 | 20.77                    | 20.76                  | 21.5                | 0        |  |
| 1.4               | QPSK       | 6       | 0         | 20.68                 | 20.87                    | 20.70                  |                     |          |  |
| 1.4               | 16QAM      | 1       | 0         | 20.58                 | 20.79                    | 20.73                  |                     |          |  |
| 1.4               | 16QAM      | 1       | 3         | 20.59                 | 20.87                    | 20.71                  |                     |          |  |
| 1.4               | 16QAM      | 1       | 5         | 20.61                 | 20.86                    | 20.72                  |                     |          |  |
| 1.4               | 16QAM      | 3       | 0         | 20.61                 | 20.83                    | 20.66                  | 21.5                | 0        |  |
| 1.4               | 16QAM      | 3       | 1         | 20.68                 | 20.83                    | 20.72                  |                     |          |  |
| 1.4               | 16QAM      | 3       | 3         | 20.59                 | 20.77                    | 20.68                  |                     |          |  |
| 1.4               | 16QAM      | 6       | 0         | 20.60                 | 20.76                    | 20.67                  |                     |          |  |
| 1.4               | 64QAM      | 1       | 0         | 20.60                 | 20.81                    | 20.75                  |                     |          |  |
| 1.4               | 64QAM      | 1       | 3         | 20.67                 | 20.85                    | 20.66                  | 21.5                | 0        |  |
| 1.4               | 64QAM      | 1       | 5         | 20.60                 | 20.83                    | 20.67                  |                     |          |  |
| 1.4               | 64QAM      | 3       | 0         | 20.59                 | 20.77                    | 20.70                  |                     |          |  |
| 1.4               | 64QAM      | 3       | 1         | 20.68                 | 20.75                    | 20.72                  |                     |          |  |
| 1.4               | 64QAM      | 3       | 3         | 20.57                 | 20.79                    | 20.66                  |                     |          |  |
| 1.4               | 64QAM      | 6       | 0         | 20.14                 | 20.25                    | 20.17                  | 21                  | 0.5      |  |

| Band 13 Ant 1 NSA |            |         |           |                       |                          |                        |                     |          |  |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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           |            |         |           | 23260                 | 23300                    |                        | 22                  | 0        |  |
| Frequency (MHz)   |            |         |           | 782                   |                          |                        |                     |          |  |
| 10                | QPSK       | 1       | 0         |                       | 21.36                    |                        | 22                  | 0        |  |
| 10                | QPSK       | 1       | 25        |                       | 21.28                    |                        |                     |          |  |
| 10                | QPSK       | 1       | 49        |                       | 21.22                    |                        |                     |          |  |
| 10                | QPSK       | 25      | 0         |                       | 21.35                    |                        |                     |          |  |
| 10                | QPSK       | 25      | 12        |                       | 21.27                    |                        |                     |          |  |
| 10                | QPSK       | 25      | 25        |                       | 21.29                    |                        | 22                  | 0        |  |
| 10                | QPSK       | 50      | 0         |                       | 21.32                    |                        |                     |          |  |
| 10                | 16QAM      | 1       | 0         |                       | 21.29                    |                        |                     |          |  |
| 10                | 16QAM      | 1       | 25        |                       | 21.31                    |                        |                     |          |  |
| 10                | 16QAM      | 1       | 49        |                       | 21.30                    |                        |                     |          |  |
| 10                | 16QAM      | 25      | 0         |                       | 21.29                    |                        | 22                  | 0        |  |
| 10                | 16QAM      | 25      | 12        |                       | 21.25                    |                        |                     |          |  |
| 10                | 16QAM      | 25      | 25        |                       | 21.23                    |                        |                     |          |  |
| 10                | 16QAM      | 50      | 0         |                       | 21.32                    |                        |                     |          |  |
| 10                | 64QAM      | 1       | 0         |                       | 21.22                    |                        |                     |          |  |
| 10                | 64QAM      | 1       | 25        |                       | 21.30                    |                        | 22                  | 0        |  |
| 10                | 64QAM      | 1       | 49        |                       | 21.27                    |                        |                     |          |  |
| 10                | 64QAM      | 25      | 0         |                       | 21.25                    |                        |                     |          |  |
| 10                | 64QAM      | 25      | 12        |                       | 21.29                    |                        |                     |          |  |
| 10                | 64QAM      | 25      | 25        |                       | 21.24                    |                        |                     |          |  |
| 10                | 64QAM      | 50      | 0         |                       | 21.24                    |                        | 22                  | 0        |  |
| 10                | 64QAM      | 50      | 0         |                       | 21.24                    |                        |                     |          |  |
| Channel           |            |         |           | 23205                 | 23300                    | 23255                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)   |            |         |           | 779.5                 | 782                      | 784.5                  | 22                  | 0        |  |
| 5                 | QPSK       | 1       | 0         | 21.19                 | 21.14                    | 21.15                  |                     |          |  |
| 5                 | QPSK       | 1       | 12        | 21.22                 | 21.22                    | 21.14                  |                     |          |  |
| 5                 | QPSK       | 1       | 24        | 21.13                 | 21.19                    | 21.11                  | 22                  | 0        |  |
| 5                 | QPSK       | 12      | 0         | 21.18                 | 21.20                    | 21.22                  |                     |          |  |
| 5                 | QPSK       | 12      | 7         | 21.14                 | 21.11                    | 21.12                  |                     |          |  |
| 5                 | QPSK       | 12      | 13        | 21.14                 | 21.16                    | 21.15                  |                     |          |  |
| 5                 | QPSK       | 25      | 0         | 21.13                 | 21.21                    | 21.17                  |                     |          |  |
| 5                 | 16QAM      | 1       | 0         | 21.12                 | 21.21                    | 21.15                  | 22                  | 0        |  |
| 5                 | 16QAM      | 1       | 12        | 21.21                 | 21.22                    | 21.16                  |                     |          |  |
| 5                 | 16QAM      | 1       | 24        | 21.13                 | 21.19                    | 21.13                  |                     |          |  |
| 5                 | 16QAM      | 12      | 0         | 21.16                 | 21.12                    | 21.13                  |                     |          |  |
| 5                 | 16QAM      | 12      | 7         | 21.13                 | 21.16                    | 21.13                  |                     |          |  |
| 5                 | 16QAM      | 12      | 13        | 21.19                 | 21.20                    | 21.17                  | 22                  | 0        |  |
| 5                 | 16QAM      | 25      | 0         | 21.12                 | 21.20                    | 21.16                  |                     |          |  |
| 5                 | 64QAM      | 1       | 0         | 21.20                 | 21.20                    | 21.14                  |                     |          |  |
| 5                 | 64QAM      | 1       | 12        | 21.22                 | 21.15                    | 21.17                  |                     |          |  |
| 5                 | 64QAM      | 1       | 24        | 21.10                 | 21.15                    | 21.15                  |                     |          |  |
| 5                 | 64QAM      | 12      | 0         | 21.18                 | 21.13                    | 21.22                  | 22                  | 0        |  |
| 5                 | 64QAM      | 12      | 7         | 21.21                 | 21.21                    | 21.13                  |                     |          |  |
| 5                 | 64QAM      | 12      | 13        | 21.12                 | 21.14                    | 21.15                  |                     |          |  |
| 5                 | 64QAM      | 25      | 0         | 21.20                 | 21.17                    | 21.18                  |                     |          |  |

| Band 2 Ant 2 NSA |            |         |           |                       |                          |                        |                     |          |  |  |  |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|--|
| 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          |            |         |           |                       |                          |                        |                     |          |  |  |  |
| Frequency (MHz)  |            |         |           |                       |                          |                        |                     |          |  |  |  |
| 20               | QPSK       | 1       | 0         | 17.35                 | 17.59                    | 17.55                  | 18                  | 0        |  |  |  |
| 20               | QPSK       | 1       | 49        | 17.43                 | 17.48                    | 17.51                  |                     |          |  |  |  |
| 20               | QPSK       | 1       | 99        | 17.31                 | 17.53                    | 17.54                  |                     |          |  |  |  |
| 20               | QPSK       | 50      | 0         | 17.39                 | 17.57                    | 17.52                  | 18                  | 0        |  |  |  |
| 20               | QPSK       | 50      | 24        | 17.34                 | 17.53                    | 17.47                  |                     |          |  |  |  |
| 20               | QPSK       | 50      | 50        | 17.36                 | 17.51                    | 17.50                  |                     |          |  |  |  |
| 20               | QPSK       | 100     | 0         | 17.40                 | 17.56                    | 17.55                  | 18                  | 0        |  |  |  |
| 20               | 16QAM      | 1       | 0         | 17.42                 | 17.50                    | 17.54                  |                     |          |  |  |  |
| 20               | 16QAM      | 1       | 49        | 17.35                 | 17.52                    | 17.53                  |                     |          |  |  |  |
| 20               | 16QAM      | 1       | 99        | 17.40                 | 17.55                    | 17.48                  | 18                  | 0        |  |  |  |
| 20               | 16QAM      | 50      | 0         | 17.36                 | 17.49                    | 17.58                  |                     |          |  |  |  |
| 20               | 16QAM      | 50      | 24        | 17.38                 | 17.53                    | 17.55                  |                     |          |  |  |  |
| 20               | 16QAM      | 50      | 50        | 17.31                 | 17.52                    | 17.50                  | 18                  | 0        |  |  |  |
| 20               | 16QAM      | 100     | 0         | 17.35                 | 17.58                    | 17.56                  |                     |          |  |  |  |
| 20               | 64QAM      | 1       | 0         | 17.34                 | 17.51                    | 17.54                  |                     |          |  |  |  |
| 20               | 64QAM      | 1       | 49        | 17.31                 | 17.50                    | 17.58                  | 18                  | 0        |  |  |  |
| 20               | 64QAM      | 1       | 99        | 17.39                 | 17.56                    | 17.51                  |                     |          |  |  |  |
| 20               | 64QAM      | 50      | 0         | 17.37                 | 17.57                    | 17.52                  |                     |          |  |  |  |
| 20               | 64QAM      | 50      | 24        | 17.32                 | 17.55                    | 17.48                  | 18                  | 0        |  |  |  |
| 20               | 64QAM      | 50      | 50        | 17.37                 | 17.56                    | 17.57                  |                     |          |  |  |  |
| 20               | 64QAM      | 100     | 0         | 17.33                 | 17.57                    | 17.57                  |                     |          |  |  |  |
| Channel          |            |         |           |                       |                          |                        |                     |          |  |  |  |
| Frequency (MHz)  |            |         |           |                       |                          |                        |                     |          |  |  |  |
| 15               | QPSK       | 1       | 0         | 17.22                 | 17.49                    | 17.40                  | 18                  | 0        |  |  |  |
| 15               | QPSK       | 1       | 37        | 17.25                 | 17.44                    | 17.37                  |                     |          |  |  |  |
| 15               | QPSK       | 1       | 74        | 17.27                 | 17.45                    | 17.40                  |                     |          |  |  |  |
| 15               | QPSK       | 36      | 0         | 17.23                 | 17.44                    | 17.36                  | 18                  | 0        |  |  |  |
| 15               | QPSK       | 36      | 20        | 17.26                 | 17.47                    | 17.42                  |                     |          |  |  |  |
| 15               | QPSK       | 36      | 39        | 17.26                 | 17.49                    | 17.37                  |                     |          |  |  |  |
| 15               | QPSK       | 75      | 0         | 17.26                 | 17.44                    | 17.37                  | 18                  | 0        |  |  |  |
| 15               | 16QAM      | 1       | 0         | 17.28                 | 17.48                    | 17.37                  |                     |          |  |  |  |
| 15               | 16QAM      | 1       | 37        | 17.28                 | 17.49                    | 17.47                  |                     |          |  |  |  |
| 15               | 16QAM      | 1       | 74        | 17.26                 | 17.46                    | 17.38                  | 18                  | 0        |  |  |  |
| 15               | 16QAM      | 36      | 0         | 17.32                 | 17.41                    | 17.40                  |                     |          |  |  |  |
| 15               | 16QAM      | 36      | 20        | 17.26                 | 17.50                    | 17.43                  |                     |          |  |  |  |
| 15               | 16QAM      | 36      | 39        | 17.33                 | 17.39                    | 17.43                  | 18                  | 0        |  |  |  |
| 15               | 16QAM      | 75      | 0         | 17.32                 | 17.45                    | 17.44                  |                     |          |  |  |  |
| 15               | 64QAM      | 1       | 0         | 17.31                 | 17.39                    | 17.39                  |                     |          |  |  |  |
| 15               | 64QAM      | 1       | 37        | 17.31                 | 17.45                    | 17.43                  | 18                  | 0        |  |  |  |
| 15               | 64QAM      | 1       | 74        | 17.32                 | 17.50                    | 17.40                  |                     |          |  |  |  |
| 15               | 64QAM      | 36      | 0         | 17.29                 | 17.42                    | 17.37                  |                     |          |  |  |  |
| 15               | 64QAM      | 36      | 20        | 17.27                 | 17.41                    | 17.40                  | 18                  | 0        |  |  |  |
| 15               | 64QAM      | 36      | 39        | 17.24                 | 17.46                    | 17.46                  |                     |          |  |  |  |
| 15               | 64QAM      | 75      | 0         | 17.24                 | 17.48                    | 17.44                  |                     |          |  |  |  |
| Channel          |            |         |           |                       |                          |                        |                     |          |  |  |  |
| Frequency (MHz)  |            |         |           |                       |                          |                        |                     |          |  |  |  |
| 10               | QPSK       | 1       | 0         | 17.26                 | 17.44                    | 17.44                  | 18                  | 0        |  |  |  |
| 10               | QPSK       | 1       | 25        | 17.32                 | 17.42                    | 17.44                  |                     |          |  |  |  |
| 10               | QPSK       | 1       | 49        | 17.22                 | 17.45                    | 17.48                  |                     |          |  |  |  |
| 10               | QPSK       | 25      | 0         | 17.23                 | 17.50                    | 17.46                  | 18                  | 0        |  |  |  |
| 10               | QPSK       | 25      | 12        | 17.32                 | 17.38                    | 17.45                  |                     |          |  |  |  |
| 10               | QPSK       | 25      | 25        | 17.26                 | 17.44                    | 17.47                  |                     |          |  |  |  |
| 10               | QPSK       | 50      | 0         | 17.32                 | 17.45                    | 17.41                  | 18                  | 0        |  |  |  |
| 10               | 16QAM      | 1       | 0         | 17.27                 | 17.44                    | 17.37                  |                     |          |  |  |  |
| 10               | 16QAM      | 1       | 25        | 17.25                 | 17.49                    | 17.46                  |                     |          |  |  |  |
| 10               | 16QAM      | 1       | 49        | 17.32                 | 17.42                    | 17.39                  | 18                  | 0        |  |  |  |
| 10               | 16QAM      | 25      | 0         | 17.25                 | 17.47                    | 17.37                  |                     |          |  |  |  |
| 10               | 16QAM      | 25      | 12        | 17.25                 | 17.47                    | 17.45                  |                     |          |  |  |  |
| 10               | 16QAM      | 25      | 25        | 17.25                 | 17.46                    | 17.46                  | 18                  | 0        |  |  |  |
| 10               | 16QAM      | 50      | 0         | 17.30                 | 17.38                    | 17.37                  |                     |          |  |  |  |
| 10               | 64QAM      | 1       | 0         | 17.26                 | 17.42                    | 17.39                  |                     |          |  |  |  |
| 10               | 64QAM      | 1       | 25        | 17.31                 | 17.47                    | 17.37                  | 18                  | 0        |  |  |  |
| 10               | 64QAM      | 1       | 49        | 17.28                 | 17.46                    | 17.47                  |                     |          |  |  |  |
| 10               | 64QAM      | 25      | 0         | 17.25                 | 17.42                    | 17.38                  |                     |          |  |  |  |
| 10               | 64QAM      | 25      | 12        | 17.32                 | 17.38                    | 17.38                  | 18                  | 0        |  |  |  |
| 10               | 64QAM      | 25      | 25        | 17.23                 | 17.48                    | 17.36                  |                     |          |  |  |  |
| 10               | 64QAM      | 50      | 0         | 17.29                 | 17.47                    | 17.46                  |                     |          |  |  |  |
| Channel          |            |         |           |                       |                          |                        |                     |          |  |  |  |
| Frequency (MHz)  |            |         |           |                       |                          |                        |                     |          |  |  |  |
| 5                | QPSK       | 1       | 0         | 17.26                 | 17.45                    | 17.45                  | 18                  | 0        |  |  |  |
| 5                | QPSK       | 1       | 12        | 17.32                 | 17.43                    | 17.48                  |                     |          |  |  |  |
| 5                | QPSK       | 1       | 24        | 17.24                 | 17.40                    | 17.46                  |                     |          |  |  |  |
| 5                | QPSK       | 12      | 0         | 17.22                 | 17.49                    | 17.37                  | 18                  | 0        |  |  |  |
| 5                | QPSK       | 12      | 7         | 17.22                 | 17.48                    | 17.38                  |                     |          |  |  |  |
| 5                | QPSK       | 12      | 13        | 17.31                 | 17.49                    | 17.41                  |                     |          |  |  |  |
| 5                | QPSK       | 25      | 0         | 17.22                 | 17.41                    | 17.44                  | 18                  | 0        |  |  |  |
| 5                | 16QAM      | 1       | 0         | 17.27                 | 17.48                    | 17.42                  |                     |          |  |  |  |
| 5                | 16QAM      | 1       | 12        | 17.22                 | 17.46                    | 17.45                  |                     |          |  |  |  |
| 5                | 16QAM      | 1       | 24        | 17.30                 | 17.41                    | 17.48                  | 18                  | 0        |  |  |  |
| 5                | 16QAM      | 12      | 0         | 17.23                 | 17.48                    | 17.38                  |                     |          |  |  |  |
| 5                | 16QAM      | 12      | 7         | 17.25                 | 17.49                    | 17.46                  |                     |          |  |  |  |
| 5                | 16QAM      | 12      | 13        | 17.31                 | 17.42                    | 17.38                  | 18                  | 0        |  |  |  |
| 5                | 16QAM      | 25      | 0         | 17.30                 | 17.40                    | 17.45                  |                     |          |  |  |  |
| 5                | 64QAM      | 1       | 0         | 17.21                 | 17.45                    | 17.38                  |                     |          |  |  |  |
| 5                | 64QAM      | 1       | 12        | 17.26                 | 17.49                    | 17.36                  | 18                  | 0        |  |  |  |
| 5                | 64QAM      | 1       | 24        | 17.31                 | 17.46                    | 17.37                  |                     |          |  |  |  |
| 5                | 64QAM      | 12      | 0         | 17.30                 | 17.41                    | 17.38                  |                     |          |  |  |  |
| 5                | 64QAM      | 12      | 7         | 17.26                 | 17.43                    | 17.46                  | 18                  | 0        |  |  |  |
| 5                | 64QAM      | 12      | 13        | 17.29                 | 17.43                    | 17.44                  |                     |          |  |  |  |
| 5                | 64QAM      | 25      | 0         | 17.24                 | 17.41                    | 17.40                  |                     |          |  |  |  |
| Channel          |            |         |           |                       |                          |                        |                     |          |  |  |  |
| Frequency (MHz)  |            |         |           |                       |                          |                        |                     |          |  |  |  |
| 3                | QPSK       | 1       | 0         | 17.24                 | 17.46                    | 17.45                  | 18                  | 0        |  |  |  |
| 3                | QPSK       | 1       | 8         | 17.27                 | 17.42                    | 17.46                  |                     |          |  |  |  |
| 3                | QPSK       | 1       | 14        | 17.26                 | 17.38                    | 17.44                  |                     |          |  |  |  |
| 3                | QPSK       | 8       | 0         | 17.30                 | 17.44                    | 17.39                  | 18                  | 0        |  |  |  |
| 3                | QPSK       | 8       | 4         | 17.21                 | 17.48                    | 17.40                  |                     |          |  |  |  |
| 3                | QPSK       | 8       | 7         | 17.26                 | 17.40                    | 17.42                  |                     |          |  |  |  |
| 3                | QPSK       | 15      | 0         | 17.29                 | 17.40                    | 17.42                  | 18                  | 0        |  |  |  |
| 3                | 16QAM      | 1       | 0         | 17.23                 | 17.45                    | 17.43                  |                     |          |  |  |  |
| 3                | 16QAM      | 1       | 8         | 17.24                 | 17.50                    | 17.44                  |                     |          |  |  |  |
| 3                | 16QAM      | 1       | 14        | 17.29                 | 17.38                    | 17.48                  | 18                  | 0        |  |  |  |
| 3                | 16QAM      | 8       | 0         | 17.21                 | 17.43                    | 17.40                  |                     |          |  |  |  |
| 3                | 16QAM      | 8       | 4         | 17.31                 | 17.48                    | 17.39                  |                     |          |  |  |  |
| 3                | 16QAM      | 8       | 7         | 17.25                 | 17.48                    | 17.36                  | 18                  | 0        |  |  |  |
| 3                | 16QAM      | 15      | 0         | 17.25                 | 17.41                    | 17.38                  |                     |          |  |  |  |
| 3                | 64QAM      | 1       | 0         | 17.21                 | 17.44                    | 17.47                  |                     |          |  |  |  |
| 3                | 64QAM      | 1       | 8         | 17.33                 | 17.40                    | 17.40                  | 18                  | 0        |  |  |  |
| 3                | 64QAM      | 1       | 14        | 17.23                 | 17.39                    | 17.39                  |                     |          |  |  |  |
| 3                | 64QAM      | 8       | 0         | 17.23                 | 17.45                    | 17.39                  |                     |          |  |  |  |
| 3                | 64QAM      | 8       | 4         | 17.26                 | 17.43                    | 17.46                  | 18                  | 0        |  |  |  |
| 3                | 64QAM      | 8       | 7         | 17.23                 | 17.47                    | 17.44                  |                     |          |  |  |  |
| 3                | 64QAM      | 15      | 0         | 17.29                 | 17.48                    | 17.47                  |                     |          |  |  |  |
| Channel          |            |         |           |                       |                          |                        |                     |          |  |  |  |
| Frequency (MHz)  |            |         |           |                       |                          |                        |                     |          |  |  |  |
| 1.4              | QPSK       | 1       | 0         | 17.23                 | 17.43                    | 17.41                  | 18                  | 0        |  |  |  |
| 1.4              | QPSK       | 1       | 3         | 17.27                 | 17.39                    | 17.43                  |                     |          |  |  |  |
| 1.4              | QPSK       | 1       | 5         | 17.29                 | 17.45                    | 17.45                  |                     |          |  |  |  |
| 1.4              | QPSK       | 3       | 0         | 17.25                 | 17.39                    | 17.44                  | 18                  | 0        |  |  |  |
| 1.4              | QPSK       | 3       | 1         | 17.24                 | 17.43                    | 17.46                  |                     |          |  |  |  |
| 1.4              | QPSK       | 3       | 3         | 17.22                 | 17.42                    | 17.44                  |                     |          |  |  |  |
| 1.4              | QPSK       | 6       | 0         | 17.31                 | 17.41                    | 17.46                  | 18                  | 0        |  |  |  |
| 1.4              | 16QAM      | 1       | 0         | 17.33                 | 17.41                    | 17.44                  |                     |          |  |  |  |
| 1.4              | 16QAM      | 1       | 3         | 17.33                 | 17.40                    | 17.43                  |                     |          |  |  |  |
| 1.4              | 16QAM      | 1       | 5         | 17.28                 | 17.43                    | 17.40                  | 18                  | 0        |  |  |  |
| 1.4              | 16QAM      | 3       | 0         | 17.33                 | 17.41                    | 17.44                  |                     |          |  |  |  |
| 1.4              | 16QAM      | 3       | 1         | 17.33                 | 17.38                    | 17.38                  |                     |          |  |  |  |
| 1.4              | 16QAM      | 3       | 3         | 17.28                 | 17.40                    | 17.39                  | 18                  | 0        |  |  |  |
| 1.4              | 16QAM      | 6       | 0         | 17.24                 | 17.40                    | 17.39                  |                     |          |  |  |  |
| 1.4              | 64QAM      | 1       | 0         | 17.32                 | 17.38                    | 17.38                  |                     |          |  |  |  |
| 1.4              | 64QAM      | 1       | 3         | 17.28                 | 17.48                    | 17.46                  | 18                  | 0        |  |  |  |
| 1.4              | 64QAM      | 3       | 5         | 17.30                 | 17.46                    | 17.39                  |                     |          |  |  |  |
| 1.4              | 64QAM      | 3       | 0         | 17.23                 | 17.45                    | 17.45                  |                     |          |  |  |  |
| 1.4              | 64QAM      | 3       | 1         | 17.31                 | 17.47                    | 17.44                  | 18                  | 0        |  |  |  |
| 1.4              | 64QAM      | 3       | 3         | 17.23                 | 17.39                    | 17.43                  | 18                  | 0        |  |  |  |
| 1.4              | 64QAM      | 6       | 0         | 17.21                 | 17.40                    | 17.44                  |                     |          |  |  |  |

| Band 30 Ant 9 NSA |            |         |           |                       |                          |                        |                     |          |
|-------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| 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           |            |         |           | 27710                 |                          |                        | 17.5                | 0        |
| Frequency (MHz)   |            |         |           | 2310                  |                          |                        |                     |          |
| 10                | QPSK       | 1       | 0         |                       | 16.73                    |                        | 17.5                | 0        |
| 10                | QPSK       | 1       | 25        |                       | 16.57                    |                        |                     |          |
| 10                | QPSK       | 1       | 49        |                       | 16.57                    |                        |                     |          |
| 10                | QPSK       | 25      | 0         |                       | 16.69                    |                        |                     |          |
| 10                | QPSK       | 25      | 12        |                       | 16.64                    |                        | 17.5                | 0        |
| 10                | QPSK       | 25      | 25        |                       | 16.59                    |                        |                     |          |
| 10                | QPSK       | 50      | 0         |                       | 16.67                    |                        |                     |          |
| 10                | 16QAM      | 1       | 0         |                       | 16.57                    |                        |                     |          |
| 10                | 16QAM      | 1       | 25        |                       | 16.58                    |                        | 17.5                | 0        |
| 10                | 16QAM      | 1       | 49        |                       | 16.58                    |                        |                     |          |
| 10                | 16QAM      | 25      | 0         |                       | 16.58                    |                        |                     |          |
| 10                | 16QAM      | 25      | 12        |                       | 16.56                    |                        |                     |          |
| 10                | 16QAM      | 25      | 25        |                       | 16.67                    |                        | 17.5                | 0        |
| 10                | 16QAM      | 50      | 0         |                       | 16.64                    |                        |                     |          |
| 10                | 64QAM      | 1       | 0         |                       | 16.60                    |                        |                     |          |
| 10                | 64QAM      | 1       | 25        |                       | 16.57                    |                        |                     |          |
| 10                | 64QAM      | 1       | 49        |                       | 16.61                    |                        | 17.5                | 0        |
| 10                | 64QAM      | 25      | 0         |                       | 16.57                    |                        |                     |          |
| 10                | 64QAM      | 25      | 12        |                       | 16.60                    |                        |                     |          |
| 10                | 64QAM      | 25      | 25        |                       | 16.60                    |                        |                     |          |
| 10                | 64QAM      | 50      | 0         |                       | 16.60                    |                        | 17.5                | 0        |
| Channel           |            |         |           | 27685                 | 27710                    | 27735                  |                     |          |
| Frequency (MHz)   |            |         |           | 2307.5                | 2310                     | 2312.5                 | Tune-up limit (dBm) | MPR (dB) |
| 5                 | QPSK       | 1       | 0         | 16.55                 | 16.51                    | 16.51                  | 17.5                | 0        |
| 5                 | QPSK       | 1       | 12        | 16.43                 | 16.50                    | 16.43                  |                     |          |
| 5                 | QPSK       | 1       | 24        | 16.43                 | 16.48                    | 16.46                  |                     |          |
| 5                 | QPSK       | 12      | 0         | 16.43                 | 16.49                    | 16.44                  |                     |          |
| 5                 | QPSK       | 12      | 7         | 16.50                 | 16.51                    | 16.48                  | 17.5                | 0        |
| 5                 | QPSK       | 12      | 13        | 16.52                 | 16.52                    | 16.51                  |                     |          |
| 5                 | QPSK       | 25      | 0         | 16.60                 | 16.53                    | 16.62                  |                     |          |
| 5                 | 16QAM      | 1       | 0         | 16.48                 | 16.44                    | 16.41                  |                     |          |
| 5                 | 16QAM      | 1       | 12        | 16.50                 | 16.42                    | 16.49                  | 17.5                | 0        |
| 5                 | 16QAM      | 1       | 24        | 16.54                 | 16.46                    | 16.47                  |                     |          |
| 5                 | 16QAM      | 12      | 0         | 16.45                 | 16.50                    | 16.42                  |                     |          |
| 5                 | 16QAM      | 12      | 7         | 16.41                 | 16.45                    | 16.51                  |                     |          |
| 5                 | 16QAM      | 12      | 13        | 16.60                 | 16.58                    | 16.55                  | 17.5                | 0        |
| 5                 | 16QAM      | 25      | 0         | 16.56                 | 16.54                    | 16.50                  |                     |          |
| 5                 | 64QAM      | 1       | 0         | 16.47                 | 16.53                    | 16.54                  |                     |          |
| 5                 | 64QAM      | 1       | 12        | 16.50                 | 16.45                    | 16.45                  |                     |          |
| 5                 | 64QAM      | 1       | 24        | 16.48                 | 16.56                    | 16.46                  | 17.5                | 0        |
| 5                 | 64QAM      | 12      | 0         | 16.48                 | 16.49                    | 16.45                  |                     |          |
| 5                 | 64QAM      | 12      | 7         | 16.51                 | 16.53                    | 16.56                  |                     |          |
| 5                 | 64QAM      | 12      | 13        | 16.53                 | 16.53                    | 16.50                  |                     |          |
| 5                 | 64QAM      | 25      | 0         | 16.47                 | 16.49                    | 16.46                  | 17.5                | 0        |
| Channel           |            |         |           | 2307.5                | 2310                     | 2312.5                 |                     |          |
| Frequency (MHz)   |            |         |           | 2307.5                | 2310                     | 2312.5                 | Tune-up limit (dBm) | MPR (dB) |

Full&amp;Default Power Mode

| n2 Ant 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         |            |         |           | 372000                | 376000                   | 380000                 | 25.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 24.07                 | 24.17                    | 24.13                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 53        | 24.11                 | 24.10                    | 24.09                  | 25.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 104       | 24.11                 | 24.12                    | 24.09                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 23.63                 | 23.77                    | 23.71                  |                     | 0.5      |  |
| 20              | PI/2 BPSK  | 50      | 28        | 24.05                 | 24.08                    | 24.15                  | 24.5                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 56        | 23.72                 | 23.72                    | 23.73                  |                     | 0.5      |  |
| 20              | PI/2 BPSK  | 100     | 0         | 23.74                 | 23.67                    | 23.69                  |                     |          |  |
| 20              | QPSK       | 1       | 1         | 24.18                 | 24.23                    | 24.20                  | 25.0                | 0.0      |  |
| 20              | QPSK       | 1       | 53        | 24.06                 | 24.12                    | 24.06                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 24.05                 | 24.16                    | 24.04                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 23.23                 | 23.25                    | 23.26                  | 24.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 24.12                 | 24.21                    | 24.14                  |                     | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 23.18                 | 23.21                    | 23.18                  |                     | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 23.24                 | 23.29                    | 23.22                  | 24.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 23.22                 | 23.27                    | 23.18                  |                     | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 21.64                 | 21.69                    | 21.67                  |                     | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 19.64                 | 19.74                    | 19.73                  | 20.5                | 4.5      |  |
| Channel         |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 24.09                 | 24.14                    | 24.14                  |                     | 25.0     |  |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1855                  | 1880                     | 1905                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 24.14                 | 24.19                    | 24.06                  |                     | 25.0     |  |
| Channel         |            |         |           | 370500                | 376000                   | 381500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1852.5                | 1880                     | 1907.5                 |                     |          |  |
| 5               | QPSK       | 1       | 1         | 24.07                 | 24.16                    | 24.14                  |                     | 25.0     |  |

| n5 Ant 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         |            |         |           | 166800                | 167300                   | 167800                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 23.41                 | 23.44                    | 23.45                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 53        | 23.41                 | 23.42                    | 23.40                  | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 1       | 104       | 23.45                 | 23.42                    | 23.41                  |                     | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.99                 | 23.08                    | 22.96                  |                     | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 28        | 23.40                 | 23.49                    | 23.39                  | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 50      | 56        | 23.05                 | 23.11                    | 22.95                  |                     | 0.5      |  |
| 20              | PI/2 BPSK  | 100     | 0         | 23.10                 | 23.12                    | 23.03                  |                     |          |  |
| 20              | QPSK       | 1       | 1         | 23.55                 | 23.58                    | 23.51                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 53        | 23.50                 | 23.54                    | 23.47                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 23.50                 | 23.53                    | 23.45                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 22.56                 | 22.56                    | 22.47                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 23.46                 | 23.51                    | 23.48                  |                     | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 22.57                 | 22.57                    | 22.50                  |                     | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 22.51                 | 22.59                    | 22.52                  | 23.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 22.53                 | 22.56                    | 22.49                  |                     | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 21.09                 | 21.03                    | 21.04                  |                     | 21.5     |  |
| 20              | 256QAM     | 1       | 1         | 19.02                 | 19.05                    | 19.06                  | 19.5                | 4.5      |  |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |          |  |
| 15              | QPSK       | 1       | 40        | 23.46                 | 23.51                    | 23.37                  |                     | 24.0     |  |
| Channel         |            |         |           | 165800                | 167300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    |                     |          |  |
| 10              | QPSK       | 1       | 26        | 23.46                 | 23.41                    | 23.40                  |                     | 24.0     |  |
| Channel         |            |         |           | 165300                | 167300                   | 169300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  |                     |          |  |
| 5               | QPSK       | 1       | 13        | 23.44                 | 23.46                    | 23.36                  |                     | 24.0     |  |

| n7 Ant 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         |            |         |           | 504000                | 507000                   | 510000                 | 25.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 1         | 24.56                 | 24.58                    | 24.39                  |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 108       | 24.43                 | 24.56                    | 24.41                  | 24.5                | 0.5      |  |
| 40              | PI/2 BPSK  | 1       | 214       | 24.38                 | 24.47                    | 24.34                  |                     |          |  |
| 40              | PI/2 BPSK  | 108     | 0         | 24.18                 | 24.14                    | 24.02                  |                     |          |  |
| 40              | PI/2 BPSK  | 108     | 54        | 24.42                 | 24.40                    | 24.47                  | 24.5                | 0.5      |  |
| 40              | PI/2 BPSK  | 108     | 108       | 24.07                 | 24.09                    | 24.16                  |                     |          |  |
| 40              | PI/2 BPSK  | 216     | 0         | 24.12                 | 24.05                    | 24.06                  |                     |          |  |
| 40              | QPSK       | 1       | 1         | 24.55                 | 24.59                    | 24.56                  | 25.0                | 0.0      |  |
| 40              | QPSK       | 1       | 108       | 24.54                 | 24.51                    | 24.53                  |                     |          |  |
| 40              | QPSK       | 1       | 214       | 24.47                 | 24.54                    | 24.44                  |                     |          |  |
| 40              | QPSK       | 108     | 0         | 23.64                 | 23.70                    | 23.61                  | 24.0                | 1.0      |  |
| 40              | QPSK       | 108     | 54        | 24.49                 | 24.47                    | 24.48                  |                     |          |  |
| 40              | QPSK       | 108     | 108       | 23.48                 | 23.57                    | 23.62                  |                     |          |  |
| 40              | QPSK       | 216     | 0         | 23.67                 | 23.65                    | 23.60                  | 24.0                | 1.0      |  |
| 40              | 16QAM      | 1       | 1         | 23.66                 | 23.54                    | 23.56                  |                     |          |  |
| 40              | 64QAM      | 1       | 1         | 22.09                 | 22.07                    | 22.09                  |                     | 2.5      |  |
| 40              | 256QAM     | 1       | 1         | 20.08                 | 20.15                    | 20.17                  |                     |          |  |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | 20.5                | 4.5      |  |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |          |  |
| 30              | QPSK       | 1       | 1         | 24.47                 | 24.43                    | 24.59                  |                     | 0.0      |  |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | 25.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |  |
| 25              | QPSK       | 1       | 1         | 24.41                 | 24.50                    | 24.58                  |                     | 0.0      |  |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | 25.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20              | QPSK       | 1       | 1         | 24.50                 | 24.45                    | 24.56                  |                     | 0.0      |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | 25.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 24.50                 | 24.52                    | 24.54                  |                     | 0.0      |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | 25.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 24.43                 | 24.50                    | 24.56                  |                     | 0.0      |  |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | 25.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |
| 5               | QPSK       | 1       | 1         | 24.49                 | 24.43                    | 24.58                  |                     | 0.0      |  |

| n12 Ant 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         |            |         |           | 141300                | 141500                   | 141700                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 706.5                 | 707.5                    | 708.5                  |                     |          |  |
| 15              | PI/2 BPSK  | 1       | 1         | 23.10                 | 23.10                    | 22.97                  |                     |          |  |
| 15              | PI/2 BPSK  | 1       | 40        | 22.93                 | 22.91                    | 22.94                  | 23.5                | 0.5      |  |
| 15              | PI/2 BPSK  | 1       | 77        | 22.88                 | 22.88                    | 22.87                  |                     |          |  |
| 15              | PI/2 BPSK  | 36      | 0         | 22.70                 | 22.68                    | 22.68                  |                     |          |  |
| 15              | PI/2 BPSK  | 36      | 22        | 23.05                 | 23.13                    | 23.00                  | 23.5                | 0.5      |  |
| 15              | PI/2 BPSK  | 36      | 43        | 22.73                 | 22.73                    | 22.68                  |                     |          |  |
| 15              | PI/2 BPSK  | 75      | 0         | 22.58                 | 22.77                    | 22.59                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 23.15                 | 23.18                    | 23.14                  | 24.0                | 0.0      |  |
| 15              | QPSK       | 1       | 40        | 23.14                 | 23.05                    | 23.02                  |                     |          |  |
| 15              | QPSK       | 1       | 77        | 23.10                 | 23.12                    | 22.98                  |                     |          |  |
| 15              | QPSK       | 36      | 0         | 22.15                 | 22.22                    | 22.20                  | 23.0                | 1.0      |  |
| 15              | QPSK       | 36      | 22        | 23.11                 | 23.17                    | 22.96                  |                     |          |  |
| 15              | QPSK       | 36      | 43        | 22.13                 | 22.13                    | 22.16                  |                     |          |  |
| 15              | QPSK       | 75      | 0         | 22.09                 | 22.21                    | 22.06                  | 23.0                | 1.0      |  |
| 15              | 16QAM      | 1       | 1         | 22.12                 | 22.12                    | 22.13                  |                     |          |  |
| 15              | 64QAM      | 1       | 1         | 20.57                 | 20.74                    | 20.68                  |                     | 2.5      |  |
| 15              | 256QAM     | 1       | 1         | 18.64                 | 18.66                    | 18.69                  |                     |          |  |
| Channel         |            |         |           | 140800                | 141500                   | 142200                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 704                   | 707.5                    | 711                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 23.16                 | 23.13                    | 22.99                  |                     | 0.0      |  |
| Channel         |            |         |           | 140300                | 141500                   | 142700                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 701.5                 | 707.5                    | 713.5                  |                     |          |  |
| 5               | QPSK       | 1       | 1         | 23.11                 | 23.08                    | 22.99                  |                     | 0.0      |  |

| n13 Ant 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         |            |         |           | 156400                |                          |                        | 25.0                | 0.0      |
| Frequency (MHz) |            |         |           | 782                   |                          |                        |                     |          |
| 10              | PI/2 BPSK  | 1       | 1         |                       | 24.13                    |                        | 25.0                | 0.0      |
| 10              | PI/2 BPSK  | 1       | 26        |                       | 23.96                    |                        |                     |          |
| 10              | PI/2 BPSK  | 1       | 50        |                       | 24.00                    |                        |                     |          |
| 10              | PI/2 BPSK  | 25      | 0         |                       | 23.77                    |                        | 24.5                | 0.5      |
| 10              | PI/2 BPSK  | 25      | 14        |                       | 24.16                    |                        | 25.0                | 0.0      |
| 10              | PI/2 BPSK  | 25      | 27        |                       | 23.63                    |                        | 24.5                | 0.5      |
| 10              | PI/2 BPSK  | 50      | 0         |                       | 23.68                    |                        |                     |          |
| 10              | QPSK       | 1       | 1         |                       | 24.22                    |                        | 25.0                | 0.0      |
| 10              | QPSK       | 1       | 26        |                       | 24.13                    |                        |                     |          |
| 10              | QPSK       | 1       | 50        |                       | 24.14                    |                        |                     |          |
| 10              | QPSK       | 25      | 0         |                       | 23.19                    |                        | 24.0                | 1.0      |
| 10              | QPSK       | 25      | 14        |                       | 24.13                    |                        | 25.0                | 0.0      |
| 10              | QPSK       | 25      | 27        |                       | 23.26                    |                        | 24.0                | 1.0      |
| 10              | QPSK       | 50      | 0         |                       | 23.30                    |                        |                     |          |
| 10              | 16QAM      | 1       | 1         |                       | 24.08                    |                        | 24.0                | 1.0      |
| 10              | 64QAM      | 1       | 1         |                       | 22.67                    |                        | 22.5                | 2.5      |
| 10              | 256QAM     | 1       | 1         |                       | 20.69                    |                        | 20.5                | 4.5      |
| Channel         |            |         |           | 155900                | 156400                   | 156900                 | 25.0                | 0.0      |
| Frequency (MHz) |            |         |           | 779.5                 | 782                      | 784.5                  |                     |          |
| 5               | QPSK       | 1       | 1         | 24.09                 | 24.06                    | 24.07                  | 25.0                | 0.0      |

| n14 Ant 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         |            |         |           | 158600                |                          |                        | 25.0                | 0.0      |
| Frequency (MHz) |            |         |           | 793                   |                          |                        |                     |          |
| 10              | PI/2 BPSK  | 1       | 1         |                       | 23.84                    |                        | 25.0                | 0.0      |
| 10              | PI/2 BPSK  | 1       | 26        |                       | 23.76                    |                        |                     |          |
| 10              | PI/2 BPSK  | 1       | 50        |                       | 23.77                    |                        |                     |          |
| 10              | PI/2 BPSK  | 25      | 0         |                       | 23.39                    |                        | 24.5                | 0.5      |
| 10              | PI/2 BPSK  | 25      | 14        |                       | 23.83                    |                        | 25.0                | 0.0      |
| 10              | PI/2 BPSK  | 25      | 27        |                       | 23.48                    |                        | 24.5                | 0.5      |
| 10              | PI/2 BPSK  | 50      | 0         |                       | 23.41                    |                        |                     |          |
| 10              | QPSK       | 1       | 1         |                       | 23.94                    |                        | 25.0                | 0.0      |
| 10              | QPSK       | 1       | 26        |                       | 23.86                    |                        |                     |          |
| 10              | QPSK       | 1       | 50        |                       | 23.87                    |                        |                     |          |
| 10              | QPSK       | 25      | 0         |                       | 22.99                    |                        | 24.0                | 1.0      |
| 10              | QPSK       | 25      | 14        |                       | 23.89                    |                        | 25.0                | 0.0      |
| 10              | QPSK       | 25      | 27        |                       | 22.89                    |                        | 24.0                | 1.0      |
| 10              | QPSK       | 50      | 0         |                       | 22.91                    |                        |                     |          |
| 10              | 16QAM      | 1       | 1         |                       | 22.85                    |                        | 24.0                | 1.0      |
| 10              | 64QAM      | 1       | 1         |                       | 21.43                    |                        | 22.5                | 2.5      |
| 10              | 256QAM     | 1       | 1         |                       | 19.45                    |                        | 20.5                | 4.5      |
| Channel         |            |         |           | 158100                | 158600                   | 159100                 | 25.0                | 0.0      |
| Frequency (MHz) |            |         |           | 790.5                 | 793                      | 795.5                  |                     |          |
| 5               | QPSK       | 1       | 1         | 23.82                 | 23.88                    | 23.85                  | 25.0                | 0.0      |

| n25 Ant 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         |            |         |           | 1670                  | 1882.5                   | 1895                   | 25.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 23.91                 | 24.02                    | 23.87                  |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 1         | 23.91                 | 24.02                    | 23.87                  |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 108       | 23.75                 | 23.84                    | 23.80                  |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 214       | 23.81                 | 24.06                    | 23.88                  | 24.5                | 0.5      |  |
| 40              | PI/2 BPSK  | 108     | 0         | 23.49                 | 23.71                    | 23.55                  |                     |          |  |
| 40              | PI/2 BPSK  | 108     | 54        | 23.90                 | 23.96                    | 23.91                  |                     |          |  |
| 40              | PI/2 BPSK  | 108     | 108       | 23.54                 | 23.56                    | 23.48                  |                     |          |  |
| 40              | PI/2 BPSK  | 216     | 0         | 23.44                 | 23.60                    | 23.42                  | 25.0                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 23.95                 | 24.11                    | 23.98                  |                     |          |  |
| 40              | QPSK       | 1       | 108       | 23.88                 | 23.95                    | 23.94                  |                     |          |  |
| 40              | QPSK       | 1       | 214       | 23.91                 | 24.09                    | 23.96                  |                     |          |  |
| 40              | QPSK       | 108     | 0         | 23.04                 | 23.03                    | 22.96                  | 24.0                | 1.0      |  |
| 40              | QPSK       | 108     | 54        | 23.90                 | 24.05                    | 23.91                  | 25.0                | 0.0      |  |
| 40              | QPSK       | 108     | 108       | 22.97                 | 23.12                    | 22.94                  | 24.0                | 1.0      |  |
| 40              | QPSK       | 216     | 0         | 23.03                 | 23.07                    | 23.09                  | 24.0                | 1.0      |  |
| 40              | 16QAM      | 1       | 1         | 23.02                 | 23.10                    | 22.98                  |                     |          |  |
| 40              | 64QAM      | 1       | 1         | 21.55                 | 21.58                    | 21.50                  |                     |          |  |
| 40              | 256QAM     | 1       | 1         | 19.49                 | 19.62                    | 19.47                  |                     |          |  |
| Channel         |            |         |           | 373000                | 376500                   | 380000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1865                  | 1882.5                   | 1900                   |                     |          |  |
| 30              | QPSK       | 1       | 1         | 23.94                 | 24.03                    | 23.92                  | 25.0                | 0.0      |  |
| Channel         |            |         |           | 372500                | 376500                   | 380500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1862.5                | 1882.5                   | 1902.5                 |                     |          |  |
| 25              | QPSK       | 1       | 1         | 23.88                 | 24.02                    | 23.99                  | 25.0                | 0.0      |  |
| Channel         |            |         |           | 372000                | 376500                   | 381000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1860                  | 1882.5                   | 1905                   |                     |          |  |
| 20              | QPSK       | 1       | 1         | 23.89                 | 24.12                    | 23.95                  | 25.0                | 0.0      |  |
| Channel         |            |         |           | 371500                | 376500                   | 381500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1857.5                | 1882.5                   | 1907.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 23.89                 | 24.04                    | 23.87                  | 25.0                | 0.0      |  |
| Channel         |            |         |           | 371000                | 376500                   | 382000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1855                  | 1882.5                   | 1910                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 23.87                 | 24.07                    | 23.98                  | 25.0                | 0.0      |  |
| Channel         |            |         |           | 370500                | 376500                   | 382500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1852.5                | 1882.5                   | 1912.5                 |                     |          |  |
| 5               | QPSK       | 1       | 1         | 23.90                 | 24.04                    | 23.90                  | 25.0                | 0.0      |  |

| n26 Ant 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         |            |         |           | 164800                | 166300                   | 167800                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 824                   | 831.5                    | 839                    |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 23.50                 | 23.38                    | 23.54                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 53        | 23.35                 | 23.30                    | 23.38                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 104       | 23.37                 | 23.36                    | 23.49                  | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 50      | 0         | 23.03                 | 23.02                    | 23.22                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 28        | 23.50                 | 23.44                    | 23.58                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 56        | 23.12                 | 23.06                    | 23.21                  |                     |          |  |
| 20              | PI/2 BPSK  | 100     | 0         | 23.09                 | 23.07                    | 23.21                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 23.58                 | 23.51                    | 23.66                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 23.50                 | 23.42                    | 23.52                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 23.46                 | 23.48                    | 23.57                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 22.60                 | 22.49                    | 22.70                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 23.52                 | 23.47                    | 23.80                  | 24.0                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 22.56                 | 22.47                    | 22.61                  | 23.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 22.63                 | 22.49                    | 22.62                  | 23.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 22.55                 | 22.51                    | 22.56                  |                     |          |  |
| 20              | 64QAM      | 1       | 1         | 21.11                 | 20.98                    | 21.13                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 19.05                 | 19.01                    | 19.15                  |                     |          |  |
| Channel         |            |         |           | 164300                | 166300                   | 168300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 821.5                 | 831.5                    | 841.5                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 23.53                 | 23.44                    | 23.54                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 163800                | 166300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 819                   | 831.5                    | 844                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 23.53                 | 23.46                    | 23.60                  | 24.0                | 0.0      |  |
| Channel         |            |         |           | 163300                | 166300                   | 169300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 816.5                 | 831.5                    | 846.5                  |                     |          |  |
| 5               | QPSK       | 1       | 1         | 23.48                 | 23.45                    | 23.54                  | 24.0                | 0.0      |  |

| n66 Ant 1       |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel         |            |         |           | 346000                   | 349000                      | 352000                    | 25.0                   | 0.0         |  |
| Frequency (MHz) |            |         |           | 1730                     | 1745                        | 1760                      |                        |             |  |
| 40              | PI/2 BPSK  | 1       | 1         | 23.73                    | 23.91                       | 23.76                     |                        |             |  |
| 40              | PI/2 BPSK  | 1       | 108       | 23.75                    | 23.75                       | 23.74                     | 25.0                   | 0.0         |  |
| 40              | PI/2 BPSK  | 1       | 214       | 23.72                    | 23.84                       | 23.69                     |                        |             |  |
| 40              | PI/2 BPSK  | 108     | 0         | 23.37                    | 23.49                       | 23.33                     |                        |             |  |
| 40              | PI/2 BPSK  | 108     | 54        | 23.74                    | 23.91                       | 23.79                     | 24.5                   | 0.5         |  |
| 40              | PI/2 BPSK  | 108     | 108       | 23.37                    | 23.42                       | 23.44                     |                        |             |  |
| 40              | PI/2 BPSK  | 216     | 0         | 23.34                    | 23.43                       | 23.36                     |                        |             |  |
| 40              | QPSK       | 1       | 1         | 23.88                    | 23.93                       | 23.83                     | 25.0                   | 0.0         |  |
| 40              | QPSK       | 1       | 108       | 23.79                    | 23.82                       | 23.80                     |                        |             |  |
| 40              | QPSK       | 1       | 214       | 23.74                    | 23.80                       | 23.78                     |                        |             |  |
| 40              | QPSK       | 108     | 0         | 22.93                    | 22.97                       | 22.92                     | 24.0                   | 1.0         |  |
| 40              | QPSK       | 108     | 54        | 23.81                    | 23.89                       | 23.70                     |                        |             |  |
| 40              | QPSK       | 108     | 108       | 22.95                    | 22.95                       | 22.89                     |                        |             |  |
| 40              | QPSK       | 216     | 0         | 22.81                    | 22.97                       | 22.85                     | 24.0                   | 1.0         |  |
| 40              | 16QAM      | 1       | 1         | 22.88                    | 22.92                       | 22.86                     |                        |             |  |
| 40              | 64QAM      | 1       | 1         | 21.44                    | 21.48                       | 21.42                     |                        | 22.5        |  |
| 40              | 256QAM     | 1       | 1         | 19.40                    | 19.43                       | 19.41                     | 20.5                   | 4.5         |  |
| Channel         |            |         |           | 345000                   | 349000                      | 353000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1725                     | 1745                        | 1765                      |                        |             |  |
| 30              | QPSK       | 1       | 1         | 23.76                    | 23.97                       | 23.73                     | 25.0                   | 0.0         |  |
| Channel         |            |         |           | 344000                   | 349000                      | 354000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1720                     | 1745                        | 1770                      |                        |             |  |
| 20              | QPSK       | 1       | 1         | 23.69                    | 23.94                       | 23.76                     | 25.0                   | 0.0         |  |
| Channel         |            |         |           | 343500                   | 349000                      | 354500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1717.5                   | 1745                        | 1772.5                    |                        |             |  |
| 15              | QPSK       | 1       | 1         | 23.76                    | 23.86                       | 23.77                     | 25.0                   | 0.0         |  |
| Channel         |            |         |           | 343000                   | 349000                      | 355000                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1715                     | 1745                        | 1775                      |                        |             |  |
| 10              | QPSK       | 1       | 1         | 23.76                    | 23.94                       | 23.77                     | 25.0                   | 0.0         |  |
| Channel         |            |         |           | 342500                   | 349000                      | 355500                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 1712.5                   | 1745                        | 1777.5                    |                        |             |  |
| 5               | QPSK       | 1       | 1         | 23.69                    | 23.87                       | 23.80                     | 25.0                   | 0.0         |  |

| n71 Ant 1       |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel         |            |         |           | 134600                   | 136100                      | 137600                    | 25.0                   | 0.0         |  |
| Frequency (MHz) |            |         |           | 673                      | 680.5                       | 688                       |                        |             |  |
| 20              | PI/2 BPSK  | 1       | 1         | 24.26                    | 24.40                       | 24.35                     |                        |             |  |
| 20              | PI/2 BPSK  | 1       | 53        | 24.17                    | 24.28                       | 24.16                     | 24.5                   | 0.5         |  |
| 20              | PI/2 BPSK  | 1       | 104       | 24.30                    | 24.33                       | 24.32                     |                        |             |  |
| 20              | PI/2 BPSK  | 50      | 0         | 23.98                    | 23.99                       | 24.01                     |                        |             |  |
| 20              | PI/2 BPSK  | 50      | 28        | 24.34                    | 24.27                       | 24.29                     | 24.5                   | 0.5         |  |
| 20              | PI/2 BPSK  | 50      | 56        | 23.90                    | 23.94                       | 23.89                     |                        |             |  |
| 20              | PI/2 BPSK  | 100     | 0         | 23.90                    | 23.89                       | 23.91                     |                        |             |  |
| 20              | QPSK       | 1       | 1         | 24.43                    | 24.44                       | 24.38                     | 25.0                   | 0.0         |  |
| 20              | QPSK       | 1       | 53        | 24.29                    | 24.36                       | 24.32                     |                        |             |  |
| 20              | QPSK       | 1       | 104       | 24.35                    | 24.41                       | 24.34                     |                        |             |  |
| 20              | QPSK       | 50      | 0         | 23.38                    | 23.46                       | 23.46                     | 24.0                   | 1.0         |  |
| 20              | QPSK       | 50      | 28        | 24.29                    | 24.36                       | 24.28                     |                        |             |  |
| 20              | QPSK       | 50      | 56        | 23.39                    | 23.45                       | 23.50                     |                        |             |  |
| 20              | QPSK       | 100     | 0         | 23.40                    | 23.54                       | 23.47                     | 24.0                   | 1.0         |  |
| 20              | 16QAM      | 1       | 1         | 23.40                    | 23.38                       | 23.38                     |                        |             |  |
| 20              | 64QAM      | 1       | 1         | 21.89                    | 22.01                       | 21.87                     |                        | 22.5        |  |
| 20              | 256QAM     | 1       | 1         | 19.90                    | 19.98                       | 19.93                     | 20.5                   | 4.5         |  |
| Channel         |            |         |           | 134100                   | 136100                      | 138100                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 670.5                    | 680.5                       | 690.5                     |                        |             |  |
| 15              | QPSK       | 1       | 1         | 24.28                    | 24.38                       | 24.26                     | 25.0                   | 0.0         |  |
| Channel         |            |         |           | 133600                   | 136100                      | 138600                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 668                      | 680.5                       | 693                       |                        |             |  |
| 10              | QPSK       | 1       | 1         | 24.32                    | 24.42                       | 24.30                     | 25.0                   | 0.0         |  |
| Channel         |            |         |           | 133100                   | 136100                      | 139100                    | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 665.5                    | 680.5                       | 695.5                     |                        |             |  |
| 5               | QPSK       | 1       | 1         | 24.26                    | 24.39                       | 24.25                     | 25.0                   | 0.0         |  |



| Part27Q n77 HPUE Ant 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                |            |         |           | 6333.34               |                          |                        |                     |          |     |
| Frequency (MHz)        |            |         |           | 3600.01               |                          |                        |                     |          |     |
| 100                    | PQ2 BPSK   | 1       | 1         | 25.78                 |                          |                        |                     | 27.0     | 0.0 |
| 100                    | PQ2 BPSK   | 1       | 137       | 25.78                 |                          |                        |                     |          |     |
| 100                    | PQ2 BPSK   | 1       | 271       | 25.69                 |                          |                        |                     |          |     |
| 100                    | PQ2 BPSK   | 135     | 0         | 25.42                 |                          |                        | 26.5                | 0.5      |     |
| 100                    | PQ2 BPSK   | 135     | 69        | 25.79                 |                          |                        | 27.0                | 0.0      |     |
| 100                    | PQ2 BPSK   | 135     | 138       | 25.41                 |                          |                        | 26.5                | 0.5      |     |
| 100                    | PQ2 BPSK   | 270     | 0         | 25.31                 |                          |                        |                     |          |     |
| 100                    | QPSK       | 1       | 1         | 25.89                 |                          |                        |                     | 27.0     | 0.0 |
| 100                    | QPSK       | 1       | 137       | 25.82                 |                          |                        |                     |          |     |
| 100                    | QPSK       | 1       | 271       | 25.69                 |                          |                        |                     |          |     |
| 100                    | QPSK       | 135     | 0         | 24.79                 |                          |                        | 26.0                | 1.0      |     |
| 100                    | QPSK       | 135     | 69        | 25.79                 |                          |                        | 27.0                | 0.0      |     |
| 100                    | QPSK       | 135     | 138       | 24.81                 |                          |                        | 26.0                | 1.0      |     |
| 100                    | QPSK       | 270     | 0         | 24.87                 |                          |                        |                     |          |     |
| 100                    | 16QAM      | 1       | 1         | 24.86                 |                          |                        | 26.0                | 1.0      |     |
| 100                    | 64QAM      | 1       | 1         | 23.40                 |                          |                        | 24.5                | 2.5      |     |
| 100                    | 256QAM     | 1       | 1         | 21.34                 |                          |                        | 22.5                | 4.5      |     |
| Channel                |            |         |           | 6330.00               | 6333.34                  | 6336.68                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3495                  | 3600.01                  | 3605.02                |                     |          |     |
| 90                     | QPSK       | 1       | 1         | 25.70                 | 25.89                    | 25.75                  | 27.0                | 0.0      |     |
| Channel                |            |         |           | 6309.68               | 6333.34                  | 6340.00                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3490.02               | 3600.01                  | 3610.01                |                     |          |     |
| 80                     | QPSK       | 1       | 1         | 25.69                 | 25.79                    | 25.68                  | 27.0                | 0.0      |     |
| Channel                |            |         |           | 6323.34               | 6333.34                  | 6343.34                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3485.01               | 3600.01                  | 3615.01                |                     |          |     |
| 70                     | QPSK       | 1       | 1         | 25.70                 | 25.84                    | 25.74                  | 27.0                | 0.0      |     |
| Channel                |            |         |           | 6320.00               | 6333.34                  | 6346.68                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3475.00               | 3600.01                  | 3620.02                |                     |          |     |
| 60                     | QPSK       | 1       | 1         | 25.77                 | 25.82                    | 25.73                  | 27.0                | 0.0      |     |
| Channel                |            |         |           | 6316.68               | 6333.34                  | 6350.00                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3475.02               | 3600.01                  | 3625.01                |                     |          |     |
| 50                     | QPSK       | 1       | 1         | 25.70                 | 25.81                    | 25.74                  | 27.0                | 0.0      |     |
| Channel                |            |         |           | 6313.34               | 6333.34                  | 6353.34                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3470.01               | 3600.01                  | 3630.01                |                     |          |     |
| 40                     | QPSK       | 1       | 1         | 25.75                 | 25.84                    | 25.72                  | 27.0                | 0.0      |     |
| Channel                |            |         |           | 6310.00               | 6333.34                  | 6356.68                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3465.00               | 3600.01                  | 3635.01                |                     |          |     |
| 30                     | QPSK       | 1       | 1         | 25.74                 | 25.79                    | 25.67                  | 27.0                | 0.0      |     |
| Channel                |            |         |           | 6306.68               | 6333.34                  | 6359.34                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3462.51               | 3600.01                  | 3637.51                |                     |          |     |
| 25                     | QPSK       | 1       | 1         | 25.68                 | 25.90                    | 25.79                  | 27.0                | 0.0      |     |
| Channel                |            |         |           | 6306.68               | 6333.34                  | 6360.00                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3460.02               | 3600.01                  | 3640.01                |                     |          |     |
| 20                     | QPSK       | 1       | 1         | 25.67                 | 25.81                    | 25.76                  | 27.0                | 0.0      |     |
| Channel                |            |         |           | 6305.00               | 6333.34                  | 6361.68                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3457.5                | 3600.01                  | 3642.52                |                     |          |     |
| 15                     | QPSK       | 1       | 1         | 25.76                 | 25.85                    | 25.75                  | 27.0                | 0.0      |     |
| Channel                |            |         |           | 6303.34               | 6333.34                  | 6363.34                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3455.01               | 3600.01                  | 3645.01                |                     |          |     |
| 10                     | QPSK       | 1       | 1         | 25.72                 | 25.83                    | 25.75                  | 27.0                | 0.0      |     |

| Part27Q n78 HPUE Ant 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                |            |         |           | 3750                  |                          | 3750                   |                     |          |     |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |     |
| 100                    | PQ2 BPSK   | 1       | 1         | 26.39                 |                          |                        |                     | 27.0     | 0.0 |
| 100                    | PQ2 BPSK   | 1       | 137       | 26.25                 |                          |                        |                     |          |     |
| 100                    | PQ2 BPSK   | 1       | 271       | 26.39                 |                          |                        |                     |          |     |
| 100                    | PQ2 BPSK   | 135     | 0         | 25.55                 |                          |                        | 26.5                | 0.5      |     |
| 100                    | PQ2 BPSK   | 135     | 69        | 26.55                 |                          |                        | 27.0                | 0.0      |     |
| 100                    | PQ2 BPSK   | 135     | 138       | 26.07                 |                          |                        | 26.5                | 0.5      |     |
| 100                    | PQ2 BPSK   | 270     | 0         | 25.97                 |                          |                        |                     |          |     |
| 100                    | QPSK       | 1       | 1         | 26.56                 |                          |                        |                     | 27.0     | 0.0 |
| 100                    | QPSK       | 1       | 137       | 26.35                 |                          |                        |                     |          |     |
| 100                    | QPSK       | 1       | 271       | 26.42                 |                          |                        |                     |          |     |
| 100                    | QPSK       | 135     | 0         | 25.59                 |                          |                        | 26.0                | 1.0      |     |
| 100                    | QPSK       | 135     | 69        | 26.42                 |                          |                        | 27.0                | 0.0      |     |
| 100                    | QPSK       | 135     | 138       | 25.45                 |                          |                        | 26.0                | 1.0      |     |
| 100                    | QPSK       | 270     | 0         | 25.53                 |                          |                        |                     |          |     |
| 100                    | 16QAM      | 1       | 1         | 25.59                 |                          |                        | 26.0                | 1.0      |     |
| 100                    | 64QAM      | 1       | 1         | 24.07                 |                          |                        | 24.5                | 2.5      |     |
| 100                    | 256QAM     | 1       | 1         | 21.99                 |                          |                        | 22.5                | 4.5      |     |
| Channel                |            |         |           | 6496.68               | 6500.00                  | 6503.34                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |     |
| 90                     | QPSK       | 1       | 1         | 26.41                 | 26.41                    | 26.01                  | 27.0                | 0.0      |     |
| Channel                |            |         |           | 6493.34               | 6500.00                  | 6506.68                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |     |
| 80                     | QPSK       | 1       | 1         | 26.38                 | 26.47                    | 25.97                  | 27.0                | 0.0      |     |
| Channel                |            |         |           | 6490.00               | 6500.00                  | 6510.00                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |     |
| 70                     | QPSK       | 1       | 1         | 26.40                 | 26.52                    | 26.00                  | 27.0                | 0.0      |     |
| Channel                |            |         |           | 6486.68               | 6500.00                  | 6513.34                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |     |
| 60                     | QPSK       | 1       | 1         | 26.44                 | 26.44                    | 26.04                  | 27.0                | 0.0      |     |
| Channel                |            |         |           | 6483.34               | 6500.00                  | 6516.68                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |     |
| 50                     | QPSK       | 1       | 1         | 26.43                 | 26.47                    | 25.99                  | 27.0                | 0.0      |     |
| Channel                |            |         |           | 6480.00               | 6500.00                  | 6520.00                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |     |
| 40                     | QPSK       | 1       | 1         | 26.43                 | 26.48                    | 25.97                  | 27.0                | 0.0      |     |
| Channel                |            |         |           | 6476.68               | 6500.00                  | 6523.34                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |     |
| 30                     | QPSK       | 1       | 1         | 26.37                 | 26.48                    | 25.99                  | 27.0                | 0.0      |     |
| Channel                |            |         |           | 6473.00               | 6500.00                  | 6526.00                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |     |
| 25                     | QPSK       | 1       | 1         | 26.41                 | 26.44                    | 26.03                  | 27.0                | 0.0      |     |
| Channel                |            |         |           | 6471.34               | 6500.00                  | 6528.68                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |     |
| 20                     | QPSK       | 1       | 1         | 26.41                 | 26.48                    | 25.98                  | 27.0                | 0.0      |     |
| Channel                |            |         |           | 6471.68               | 6500.00                  | 6528.34                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |     |
| 15                     | QPSK       | 1       | 1         | 26.41                 | 26.42                    | 26.04                  | 27.0                | 0.0      |     |
| Channel                |            |         |           | 6470.00               | 6500.00                  | 6530.00                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |     |
| 10                     | QPSK       | 1       | 1         | 26.39                 | 26.44                    | 25.98                  | 27.0                | 0.0      |     |

| Part27Q 78 HPUE Ant 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               |            |         |           | 6333.34              |                          |                        |                     |          |     |
| Frequency (MHz)       |            |         |           | 3500.01              |                          |                        |                     |          |     |
| 100                   | PQ2 BPSK   | 1       | 1         | 25.75                |                          |                        |                     | 27.0     | 0.0 |
| 100                   | PQ2 BPSK   | 1       | 137       | 25.62                |                          |                        |                     |          |     |
| 100                   | PQ2 BPSK   | 1       | 271       | 25.63                |                          |                        |                     |          |     |
| 100                   | PQ2 BPSK   | 135     | 0         | 25.43                |                          |                        | 26.5                | 0.5      |     |
| 100                   | PQ2 BPSK   | 135     | 69        | 25.82                |                          |                        | 27.0                | 0.0      |     |
| 100                   | PQ2 BPSK   | 135     | 138       | 25.50                |                          |                        | 26.5                | 0.5      |     |
| 100                   | PQ2 BPSK   | 270     | 0         | 25.39                |                          |                        |                     |          |     |
| 100                   | QPSK       | 1       | 1         | 25.91                |                          |                        |                     | 27.0     | 0.0 |
| 100                   | QPSK       | 1       | 137       | 25.82                |                          |                        |                     |          |     |
| 100                   | QPSK       | 1       | 271       | 25.78                |                          |                        |                     |          |     |
| 100                   | QPSK       | 135     | 0         | 24.84                |                          |                        | 26.0                | 1.0      |     |
| 100                   | QPSK       | 135     | 69        | 25.88                |                          |                        | 27.0                | 0.0      |     |
| 100                   | QPSK       | 135     | 138       | 24.89                |                          |                        | 26.0                | 1.0      |     |
| 100                   | QPSK       | 270     | 0         | 24.86                |                          |                        |                     |          |     |
| 100                   | 16QAM      | 1       | 1         | 24.79                |                          |                        | 26.0                | 1.0      |     |
| 100                   | 64QAM      | 1       | 1         | 23.45                |                          |                        | 24.5                | 2.5      |     |
| 100                   | 256QAM     | 1       | 1         | 21.38                |                          |                        | 22.5                | 4.5      |     |
| Channel               |            |         |           | 6330.00              | 6333.34                  | 6336.68                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)       |            |         |           | 3495                 | 3500.01                  | 3505.02                | 27.0                | 0.0      |     |
| 90                    | QPSK       | 1       | 1         | 25.82                | 25.89                    | 25.67                  | 27.0                | 0.0      |     |
| Channel               |            |         |           | 6309.68              | 6333.34                  | 6340.00                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)       |            |         |           | 3490.02              | 3500.01                  | 3510.01                | 27.0                | 0.0      |     |
| 80                    | QPSK       | 1       | 1         | 25.78                | 25.92                    | 25.69                  | 27.0                | 0.0      |     |
| Channel               |            |         |           |                      |                          |                        |                     |          |     |
| Frequency (MHz)       |            |         |           | 3485.01              | 3500.01                  | 3515.01                | 27.0                | 0.0      |     |
| 70                    | QPSK       | 1       | 1         | 25.80                | 25.90                    | 25.74                  | 27.0                | 0.0      |     |
| Channel               |            |         |           | 6320.00              | 6333.34                  | 6346.68                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)       |            |         |           | 3480                 | 3500.01                  | 3520.02                | 27.0                | 0.0      |     |
| 60                    | QPSK       | 1       | 1         | 25.79                | 25.89                    | 25.70                  | 27.0                | 0.0      |     |
| Channel               |            |         |           | 6319.68              | 6333.34                  | 6350.00                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)       |            |         |           | 3475.02              | 3500.01                  | 3525                   | 27.0                | 0.0      |     |
| 50                    | QPSK       | 1       | 1         | 25.79                | 25.94                    | 25.74                  | 27.0                | 0.0      |     |
| Channel               |            |         |           | 6313.34              | 6333.34                  | 6353.34                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)       |            |         |           | 3470.01              | 3500.01                  | 3530.01                | 27.0                | 0.0      |     |
| 40                    | QPSK       | 1       | 1         | 25.78                | 25.88                    | 25.70                  | 27.0                | 0.0      |     |
| Channel               |            |         |           | 6310.00              | 6333.34                  | 6356.68                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)       |            |         |           | 3465                 | 3500.01                  | 3535.02                | 27.0                | 0.0      |     |
| 30                    | QPSK       | 1       | 1         | 25.84                | 25.90                    | 25.73                  | 27.0                | 0.0      |     |
| Channel               |            |         |           | 6308.34              | 6333.34                  | 6358.68                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)       |            |         |           | 3462.51              | 3500.01                  | 3537.51                | 27.0                | 0.0      |     |
| 25                    | QPSK       | 1       | 1         | 25.73                | 25.88                    | 25.75                  | 27.0                | 0.0      |     |
| Channel               |            |         |           | 6306.68              | 6333.34                  | 6359.00                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)       |            |         |           | 3460.02              | 3500.01                  | 3540                   | 27.0                | 0.0      |     |
| 20                    | QPSK       | 1       | 1         | 25.82                | 25.90                    | 25.76                  | 27.0                | 0.0      |     |
| Channel               |            |         |           | 6300.00              | 6333.34                  | 6370.00                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)       |            |         |           | 3457.5               | 3500.01                  | 3542.50                | 27.0                | 0.0      |     |
| 15                    | QPSK       | 1       | 1         | 25.75                | 25.89                    | 25.66                  | 27.0                | 0.0      |     |
| Channel               |            |         |           | 6303.34              | 6333.34                  | 6363.34                | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)       |            |         |           | 3450.01              | 3500.01                  | 3545.01                | 27.0                | 0.0      |     |
| 10                    | QPSK       | 1       | 1         | 25.75                | 25.89                    | 25.69                  | 27.0                | 0.0      |     |

| n2 Ant 2        |            |         |           |                             |                                |                              |      |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. (dBm) | Power Middle Ch. / Freq. (dBm) | Power High Ch. / Freq. (dBm) |      |
| Channel         |            |         |           | 370000                      | 376000                         | 380500                       |      |
| Frequency (MHz) |            |         |           | 1860                        | 1860                           | 1900                         |      |
| 20              | P12 BPSK   | 1       | 1         | 23.96                       | 24.09                          | 24.05                        |      |
| 20              | P12 BPSK   | 1       | 53        | 23.77                       | 23.96                          | 23.87                        | 25.0 |
| 20              | P12 BPSK   | 1       | 104       | 23.64                       | 24.04                          | 23.99                        |      |
| 20              | P12 BPSK   | 50      | 9         | 23.61                       | 23.73                          | 23.49                        | 24.5 |
| 20              | P12 BPSK   | 50      | 28        | 23.97                       | 24.03                          | 24.03                        | 25.0 |
| 20              | P12 BPSK   | 50      | 56        | 23.61                       | 23.73                          | 23.65                        | 24.5 |
| 20              | P12 BPSK   | 100     | 0         | 23.66                       | 23.79                          | 23.63                        |      |
| 20              | QPSK       | 1       | 1         | 23.99                       | 24.35                          | 24.08                        |      |
| 20              | QPSK       | 1       | 53        | 23.90                       | 24.09                          | 24.03                        | 25.0 |
| 20              | QPSK       | 1       | 104       | 23.63                       | 24.15                          | 23.99                        |      |
| 20              | QPSK       | 50      | 9         | 23.14                       | 23.21                          | 23.18                        | 24.0 |
| 20              | QPSK       | 50      | 28        | 23.95                       | 24.10                          | 23.93                        | 25.0 |
| 20              | QPSK       | 50      | 56        | 23.63                       | 23.21                          | 23.96                        | 24.0 |
| 20              | QPSK       | 100     | 0         | 23.66                       | 23.27                          | 23.13                        |      |
| 20              | 16QAM      | 1       | 1         | 23.92                       | 23.19                          | 23.86                        | 24.0 |
| 20              | 64QAM      | 1       | 1         | 21.48                       | 21.68                          | 21.71                        | 22.5 |
| 20              | 256QAM     | 1       | 1         | 19.69                       | 19.66                          | 19.55                        | 20.5 |
| Channel         |            |         |           | 1857.5                      | 1860                           | 1902.5                       |      |
| Frequency (MHz) |            |         |           | 1857.5                      | 1860                           | 1902.5                       |      |
| 15              | QPSK       | 1       | 1         | 24.02                       | 24.06                          | 24.01                        | 25.0 |
| Channel         |            |         |           | 311000                      | 316000                         | 361000                       |      |
| Frequency (MHz) |            |         |           | 1895                        | 1895                           | 1905                         |      |
| 10              | QPSK       | 1       | 1         | 23.99                       | 24.04                          | 24.04                        | 25.0 |
| Channel         |            |         |           | 370500                      | 376000                         | 381500                       |      |
| Frequency (MHz) |            |         |           | 1883.5                      | 1880                           | 1907.5                       |      |
| 5               | QPSK       | 1       | 1         | 24.02                       | 24.13                          | 23.99                        | 25.0 |

| n66 Ant 2       |            |         |           |                       |                          |                        |      |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|------|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. |      |
| Channel         |            |         |           | 346000                | 349000                   | 352000                 |      |
| Frequency (MHz) |            |         |           | 1945                  | 1960                     | 1975                   |      |
| 40              | P12 BPSK   | 1       | 1         | 23.66                 | 23.93                    | 23.79                  |      |
| 40              | P12 BPSK   | 1       | 106       | 23.48                 | 23.79                    | 23.67                  | 25.0 |
| 40              | P12 BPSK   | 1       | 214       | 23.55                 | 23.77                    | 23.65                  |      |
| 40              | P12 BPSK   | 108     | 9         | 23.18                 | 23.35                    | 23.33                  | 24.5 |
| 40              | P12 BPSK   | 108     | 54        | 23.66                 | 23.90                    | 23.82                  | 25.0 |
| 40              | P12 BPSK   | 108     | 108       | 23.29                 | 23.46                    | 23.36                  |      |
| 40              | P12 BPSK   | 216     | 0         | 23.19                 | 23.55                    | 23.29                  | 24.5 |
| 40              | QPSK       | 1       | 1         | 23.71                 | 23.97                    | 23.78                  |      |
| 40              | QPSK       | 1       | 106       | 23.66                 | 23.81                    | 23.73                  | 25.0 |
| 40              | QPSK       | 1       | 214       | 23.69                 | 23.84                    | 23.71                  |      |
| 40              | QPSK       | 108     | 0         | 22.77                 | 22.88                    | 22.83                  | 24.0 |
| 40              | QPSK       | 108     | 54        | 23.63                 | 23.78                    | 23.80                  | 25.0 |
| 40              | QPSK       | 108     | 108       | 22.72                 | 23.00                    | 22.75                  | 24.0 |
| 40              | QPSK       | 216     | 0         | 22.72                 | 23.04                    | 22.88                  |      |
| 40              | 16QAM      | 1       | 1         | 22.69                 | 22.85                    | 22.83                  | 24.0 |
| 40              | 16QAM      | 1       | 1         | 21.22                 | 21.38                    | 21.44                  | 22.5 |
| 40              | 256QAM     | 1       | 1         | 19.20                 | 19.38                    | 19.36                  | 20.5 |
| Channel         |            |         |           | 345000                | 349000                   | 350000                 |      |
| Frequency (MHz) |            |         |           | 1745                  | 1765                     | 1785                   |      |
| 30              | QPSK       | 1       | 1         | 23.56                 | 23.78                    | 23.78                  | 25.0 |
| Channel         |            |         |           | 346000                | 349000                   | 351000                 |      |
| Frequency (MHz) |            |         |           | 1725                  | 1745                     | 1765                   |      |
| 20              | QPSK       | 1       | 1         | 23.60                 | 23.83                    | 23.67                  | 25.0 |
| Channel         |            |         |           | 343000                | 349000                   | 350000                 |      |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |      |
| 15              | QPSK       | 1       | 1         | 23.52                 | 23.84                    | 23.74                  | 25.0 |
| Channel         |            |         |           | 343000                | 349000                   | 350000                 |      |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   |      |
| 10              | QPSK       | 1       | 1         | 23.58                 | 23.82                    | 23.74                  | 25.0 |
| Channel         |            |         |           | 342500                | 349000                   | 350000                 |      |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 |      |
| 5               | QPSK       | 1       | 1         | 23.57                 | 23.85                    | 23.74                  | 25.0 |

| FR1 n70 Ant 2   |            |         |           |                       |                          |                        |      |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|------|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. |      |
| Channel         |            |         |           | 340500                |                          |                        |      |
| Frequency (MHz) |            |         |           | 1702.5                |                          |                        |      |
| 15              | P12 BPSK   | 1       | 1         |                       | 23.78                    |                        | 25.0 |
| 15              | P12 BPSK   | 1       | 40        |                       | 23.62                    |                        |      |
| 15              | P12 BPSK   | 1       | 77        |                       | 23.69                    |                        |      |
| 15              | P12 BPSK   | 36      | 9         |                       | 23.33                    |                        | 24.5 |
| 15              | P12 BPSK   | 36      | 22        |                       | 23.71                    |                        | 25.0 |
| 15              | P12 BPSK   | 36      | 43        |                       | 23.35                    |                        | 24.5 |
| 15              | P12 BPSK   | 72      | 0         |                       | 23.33                    |                        |      |
| 15              | QPSK       | 1       | 1         |                       | 23.95                    |                        |      |
| 15              | QPSK       | 1       | 40        |                       | 23.79                    |                        | 25.0 |
| 15              | QPSK       | 1       | 77        |                       | 23.68                    |                        |      |
| 15              | QPSK       | 36      | 9         |                       | 22.87                    |                        | 24.0 |
| 15              | QPSK       | 36      | 22        |                       | 23.73                    |                        | 25.0 |
| 15              | QPSK       | 36      | 43        |                       | 22.87                    |                        |      |
| 15              | QPSK       | 72      | 0         |                       | 22.91                    |                        | 24.0 |
| 15              | 16QAM      | 1       | 1         |                       | 22.80                    |                        | 24.0 |
| 15              | 16QAM      | 1       | 1         |                       | 21.40                    |                        | 22.5 |
| 15              | 256QAM     | 1       | 1         |                       | 19.33                    |                        | 20.5 |
| Channel         |            |         |           | 340500                | 345000                   | 341000                 |      |
| Frequency (MHz) |            |         |           | 1700                  | 1702.5                   | 1705                   |      |
| 10              | QPSK       | 1       | 1         | 23.66                 | 23.74                    | 23.70                  | 24.0 |
| Channel         |            |         |           | 339500                | 340500                   | 341500                 |      |
| Frequency (MHz) |            |         |           | 1697.5                | 1702.5                   | 1707.5                 |      |
| 5               | QPSK       | 1       | 1         | 23.71                 | 23.73                    | 23.73                  | 0.0  |

| n41 HPUE Ant 2  |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel         |            |         |           |                          |                             |                           |                        |             |  |
| Frequency (MHz) |            |         |           |                          |                             |                           |                        |             |  |
| 100             | PV2 BPSK   | 1       | 1         | 25.12                    | 25.94                       | 25.23                     | 27.0                   | 0.0         |  |
| 100             | PV2 BPSK   | 1       | 137       | 25.03                    | 25.90                       | 25.19                     |                        |             |  |
| 100             | PV2 BPSK   | 1       | 271       | 25.15                    | 25.61                       | 25.18                     |                        |             |  |
| 100             | PV2 BPSK   | 135     | 0         | 24.58                    | 25.10                       | 24.65                     |                        |             |  |
| 100             | PV2 BPSK   | 135     | 69        | 25.11                    | 25.60                       | 25.23                     | 27.0                   | 0.0         |  |
| 100             | PV2 BPSK   | 135     | 138       | 24.68                    | 25.04                       | 24.71                     | 26.5                   | 0.5         |  |
| 100             | PV2 BPSK   | 270     | 0         | 24.62                    | 25.04                       | 24.73                     | 27.0                   | 0.0         |  |
| 100             | QPSK       | 1       | 1         | 25.08                    | 25.50                       | 25.21                     |                        |             |  |
| 100             | QPSK       | 1       | 137       | 25.04                    | 25.53                       | 25.24                     |                        |             |  |
| 100             | QPSK       | 1       | 271       | 25.15                    | 25.58                       | 25.17                     |                        |             |  |
| 100             | QPSK       | 135     | 0         | 24.58                    | 24.59                       | 24.17                     | 26.0                   | 1.0         |  |
| 100             | QPSK       | 135     | 69        | 25.15                    | 25.54                       | 25.26                     | 27.0                   | 0.0         |  |
| 100             | QPSK       | 135     | 138       | 24.06                    | 24.53                       | 24.22                     | 26.0                   | 1.0         |  |
| 100             | QPSK       | 270     | 0         | 24.15                    | 24.52                       | 24.13                     | 26.0                   | 1.0         |  |
| 100             | 16QAM      | 1       | 1         | 23.66                    | 23.75                       | 23.70                     | 26.0                   | 1.0         |  |
| 100             | 64QAM      | 1       | 1         | 22.48                    | 22.67                       | 22.59                     | 24.5                   | 2.5         |  |
| 100             | 256QAM     | 1       | 1         | 20.37                    | 20.52                       | 20.51                     | 22.5                   | 4.5         |  |
| Channel         |            |         |           |                          |                             |                           |                        |             |  |
| Frequency (MHz) |            |         |           |                          |                             |                           |                        |             |  |
| 90              | QPSK       | 1       | 1         | 25.03                    | 25.60                       | 25.19                     | 27.0                   | 0.0         |  |
| Channel         |            |         |           |                          |                             |                           |                        |             |  |
| Frequency (MHz) |            |         |           |                          |                             |                           |                        |             |  |
| 80              | QPSK       | 1       | 1         | 25.07                    | 25.59                       | 25.18                     | 27.0                   | 0.0         |  |
| Channel         |            |         |           |                          |                             |                           |                        |             |  |
| Frequency (MHz) |            |         |           |                          |                             |                           |                        |             |  |
| 60              | QPSK       | 1       | 1         | 25.10                    | 25.56                       | 25.22                     | 27.0                   | 0.0         |  |
| Channel         |            |         |           |                          |                             |                           |                        |             |  |
| Frequency (MHz) |            |         |           |                          |                             |                           |                        |             |  |
| 50              | QPSK       | 1       | 1         | 25.11                    | 25.56                       | 25.10                     | 27.0                   | 0.0         |  |
| Channel         |            |         |           |                          |                             |                           |                        |             |  |
| Frequency (MHz) |            |         |           |                          |                             |                           |                        |             |  |
| 40              | QPSK       | 1       | 1         | 25.07                    | 25.59                       | 25.23                     | 27.0                   | 0.0         |  |
| Channel         |            |         |           |                          |                             |                           |                        |             |  |
| Frequency (MHz) |            |         |           |                          |                             |                           |                        |             |  |
| 30              | QPSK       | 1       | 1         | 25.08                    | 25.59                       | 25.20                     | 27.0                   | 0.0         |  |
| Channel         |            |         |           |                          |                             |                           |                        |             |  |
| Frequency (MHz) |            |         |           |                          |                             |                           |                        |             |  |
| 20              | QPSK       | 1       | 1         | 25.01                    | 25.57                       | 25.25                     | 27.0                   | 0.0         |  |
| Channel         |            |         |           |                          |                             |                           |                        |             |  |
| Frequency (MHz) |            |         |           |                          |                             |                           |                        |             |  |
| 15              | QPSK       | 1       | 1         | 25.07                    | 25.56                       | 25.22                     | 27.0                   | 0.0         |  |
| Channel         |            |         |           |                          |                             |                           |                        |             |  |
| Frequency (MHz) |            |         |           |                          |                             |                           |                        |             |  |
| 10              | QPSK       | 1       | 1         | 25.03                    | 25.56                       | 25.24                     | 27.0                   | 0.0         |  |

| Par27Q n77 HPUE Ant 2 |            |         |           |                           |                              |                            |                        |             |  |
|-----------------------|------------|---------|-----------|---------------------------|------------------------------|----------------------------|------------------------|-------------|--|
| BW (MHz)              | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. Freq. | Power<br>Middle<br>Ch. Freq. | Power<br>High<br>Ch. Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel               |            |         |           |                           |                              |                            |                        |             |  |
| Frequency (MHz)       |            |         |           |                           |                              |                            |                        |             |  |
| 100                   | PV2 BPSK   | 1       | 1         | 26.42                     | 26.47                        | 26.33                      | 27.5                   | 0.0         |  |
| 100                   | PV2 BPSK   | 1       | 137       | 26.36                     | 26.45                        | 26.41                      |                        |             |  |
| 100                   | PV2 BPSK   | 1       | 271       | 26.35                     | 26.51                        | 26.34                      |                        |             |  |
| 100                   | PV2 BPSK   | 135     | 0         | 25.99                     | 25.98                        | 25.95                      | 27.0                   | 0.5         |  |
| 100                   | PV2 BPSK   | 135     | 69        | 26.44                     | 26.46                        | 26.39                      | 27.5                   | 0.0         |  |
| 100                   | PV2 BPSK   | 135     | 138       | 25.98                     | 26.02                        | 25.95                      | 27.0                   | 0.5         |  |
| 100                   | PV2 BPSK   | 270     | 0         | 26.03                     | 26.00                        | 25.90                      | 27.5                   | 0.0         |  |
| 100                   | QPSK       | 1       | 1         | 26.42                     | 26.57                        | 26.41                      |                        |             |  |
| 100                   | QPSK       | 1       | 137       | 26.40                     | 26.49                        | 26.39                      |                        |             |  |
| 100                   | QPSK       | 1       | 271       | 26.33                     | 26.57                        | 26.44                      |                        |             |  |
| 100                   | QPSK       | 135     | 0         | 25.48                     | 25.49                        | 25.39                      | 26.0                   | 1.0         |  |
| 100                   | QPSK       | 135     | 69        | 26.43                     | 26.51                        | 26.35                      | 27.5                   | 0.0         |  |
| 100                   | QPSK       | 135     | 138       | 25.50                     | 25.51                        | 25.44                      | 26.0                   | 1.0         |  |
| 100                   | QPSK       | 270     | 0         | 25.48                     | 25.54                        | 25.46                      | 26.5                   | 1.0         |  |
| 100                   | 16QAM      | 1       | 1         | 25.39                     | 25.42                        | 25.40                      | 26.0                   | 1.0         |  |
| 100                   | 64QAM      | 1       | 1         | 22.80                     | 22.84                        | 22.83                      | 25.0                   | 2.5         |  |
| 100                   | 256QAM     | 1       | 1         | 21.49                     | 21.71                        | 21.63                      | 23.0                   | 4.5         |  |
| Channel               |            |         |           |                           |                              |                            |                        |             |  |
| Frequency (MHz)       |            |         |           |                           |                              |                            |                        |             |  |
| 90                    | QPSK       | 1       | 1         | 26.41                     | 26.47                        | 26.32                      | 27.5                   | 0.0         |  |
| Channel               |            |         |           |                           |                              |                            |                        |             |  |
| Frequency (MHz)       |            |         |           |                           |                              |                            |                        |             |  |
| 80                    | QPSK       | 1       | 1         | 26.48                     | 26.42                        | 26.30                      | 27.5                   | 0.0         |  |
| Channel               |            |         |           |                           |                              |                            |                        |             |  |
| Frequency (MHz)       |            |         |           |                           |                              |                            |                        |             |  |
| 70                    | QPSK       | 1       | 1         | 26.43                     | 26.41                        | 26.37                      | 27.5                   | 0.0         |  |
| Channel               |            |         |           |                           |                              |                            |                        |             |  |
| Frequency (MHz)       |            |         |           |                           |                              |                            |                        |             |  |
| 60                    | QPSK       | 1       | 1         | 26.47                     | 26.40                        | 26.37                      | 27.5                   | 0.0         |  |
| Channel               |            |         |           |                           |                              |                            |                        |             |  |
| Frequency (MHz)       |            |         |           |                           |                              |                            |                        |             |  |
| 50                    | QPSK       | 1       | 1         | 26.41                     | 26.43                        | 26.36                      | 27.5                   | 0.0         |  |
| Channel               |            |         |           |                           |                              |                            |                        |             |  |
| Frequency (MHz)       |            |         |           |                           |                              |                            |                        |             |  |
| 40                    | QPSK       | 1       | 1         | 26.46                     | 26.46                        | 26.30                      | 27.5                   | 0.0         |  |
| Channel               |            |         |           |                           |                              |                            |                        |             |  |
| Frequency (MHz)       |            |         |           |                           |                              |                            |                        |             |  |
| 30                    | QPSK       | 1       | 1         | 26.40                     | 26.51                        | 26.35                      | 27.5                   | 0.0         |  |
| Channel               |            |         |           |                           |                              |                            |                        |             |  |
| Frequency (MHz)       |            |         |           |                           |                              |                            |                        |             |  |
| 25                    | QPSK       | 1       | 1         | 26.43                     | 26.48                        | 26.26                      | 27.5                   | 0.0         |  |
| Channel               |            |         |           |                           |                              |                            |                        |             |  |
| Frequency (MHz)       |            |         |           |                           |                              |                            |                        |             |  |
| 20                    | QPSK       | 1       | 1         | 26.47                     | 26.41                        | 26.30                      | 27.5                   | 0.0         |  |
| Channel               |            |         |           |                           |                              |                            |                        |             |  |
| Frequency (MHz)       |            |         |           |                           |                              |                            |                        |             |  |
| 15                    | QPSK       | 1       | 1         | 26.41                     | 26.43                        | 26.32                      | 27.5                   | 0.0         |  |
| Channel               |            |         |           |                           |                              |                            |                        |             |  |
| Frequency (MHz)       |            |         |           |                           |                              |                            |                        |             |  |
| 10                    | QPSK       | 1       | 1         | 26.44                     | 26.52                        | 26.27                      | 27.5                   | 0.0         |  |

| Part27Q n77 HPUE Ant 2 |            |         |           |                             |                                |                              |                        |             |     |
|------------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|-----|
| BW (MHz)               | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |     |
| Channel                |            |         |           |                             |                                |                              |                        |             |     |
| Frequency (MHz)        |            |         |           |                             |                                |                              |                        |             |     |
| 100                    | PV2 BPSK   | 1       | 1         | 25.80                       | 3600.01                        |                              | 27.5                   | 0.0         |     |
| 100                    | PV2 BPSK   | 1       | 137       | 25.85                       | 3600.02                        |                              |                        |             |     |
| 100                    | PV2 BPSK   | 1       | 271       | 25.78                       | 3600.03                        |                              |                        |             |     |
| 100                    | PV2 BPSK   | 135     | 0         | 25.50                       | 3600.04                        |                              | 27.0                   | 0.5         |     |
| 100                    | PV2 BPSK   | 135     | 69        | 25.84                       | 3600.05                        |                              | 27.5                   | 0.0         |     |
| 100                    | PV2 BPSK   | 135     | 138       | 25.41                       | 3600.06                        |                              | 27.0                   | 0.5         |     |
| 100                    | PV2 BPSK   | 270     | 0         | 25.41                       | 3600.07                        |                              | 27.5                   | 0.0         |     |
| 100                    | QPSK       | 1       | 1         | 25.98                       | 3600.08                        |                              |                        |             |     |
| 100                    | QPSK       | 1       | 137       | 25.98                       | 3600.09                        |                              |                        |             |     |
| 100                    | QPSK       | 1       | 271       | 25.95                       | 3600.10                        |                              |                        |             |     |
| 100                    | QPSK       | 135     | 0         | 24.94                       | 3600.11                        |                              | 26.5                   | 1.0         |     |
| 100                    | QPSK       | 135     | 69        | 25.90                       | 3600.12                        |                              | 27.5                   | 0.0         |     |
| 100                    | QPSK       | 135     | 138       | 24.90                       | 3600.13                        |                              | 26.5                   | 1.0         |     |
| 100                    | QPSK       | 270     | 0         | 24.97                       | 3600.14                        |                              | 26.5                   | 1.0         |     |
| 100                    | 16QAM      | 1       | 1         | 24.97                       | 3600.15                        |                              | 26.5                   | 1.0         |     |
| 100                    | 64QAM      | 1       | 1         | 22.54                       | 3600.16                        |                              | 25.0                   | 2.5         |     |
| 100                    | 256QAM     | 1       | 1         | 21.35                       | 3600.17                        |                              | 23.0                   | 4.5         |     |
| Channel                |            |         |           |                             |                                |                              |                        |             |     |
| Frequency (MHz)        |            |         |           |                             |                                |                              |                        |             |     |
| 90                     | QPSK       | 1       | 1         | 25.84                       | 633334                         | 633668                       | Tune-up limit          | MPR         |     |
| 90                     | QPSK       | 1       | 1         | 25.84                       | 3600.18                        | 3600.12                      | 25.88                  | 27.5        | 0.0 |
| Channel                |            |         |           |                             |                                |                              |                        |             |     |
| Frequency (MHz)        |            |         |           |                             |                                |                              |                        |             |     |
| 80                     | QPSK       | 1       | 1         | 25.83                       | 633334                         | 634000                       | Tune-up limit          | MPR         |     |
| 80                     | QPSK       | 1       | 1         | 25.83                       | 3600.19                        | 3600.13                      | 25.87                  | 27.5        | 0.0 |
| Channel                |            |         |           |                             |                                |                              |                        |             |     |
| Frequency (MHz)        |            |         |           |                             |                                |                              |                        |             |     |
| 70                     | QPSK       | 1       | 1         | 25.87                       | 633334                         | 634334                       | Tune-up limit          | MPR         |     |
| 70                     | QPSK       | 1       | 1         | 25.87                       | 3600.20                        | 3600.14                      | 25.91                  | 27.5        | 0.0 |
| Channel                |            |         |           |                             |                                |                              |                        |             |     |
| Frequency (MHz)        |            |         |           |                             |                                |                              |                        |             |     |
| 60                     | QPSK       | 1       | 1         | 25.87                       | 633334                         | 635000                       | Tune-up limit          | MPR         |     |
| 60                     | QPSK       | 1       | 1         | 25.87                       | 3600.21                        | 3600.15                      | 25.92                  | 27.5        | 0.0 |
| Channel                |            |         |           |                             |                                |                              |                        |             |     |
| Frequency (MHz)        |            |         |           |                             |                                |                              |                        |             |     |
| 40                     | QPSK       | 1       | 1         | 25.87                       | 633334                         | 635668                       | Tune-up limit          | MPR         |     |
| 40                     | QPSK       | 1       | 1         | 25.87                       | 3600.22                        | 3600.16                      | 25.92                  | 27.5        | 0.0 |
| Channel                |            |         |           |                             |                                |                              |                        |             |     |
| Frequency (MHz)        |            |         |           |                             |                                |                              |                        |             |     |
| 30                     | QPSK       | 1       | 1         | 25.85                       | 633334                         | 636334                       | Tune-up limit          | MPR         |     |
| 30                     | QPSK       | 1       | 1         | 25.85                       | 3600.23                        | 3600.17                      | 25.90                  | 27.5        | 0.0 |
| Channel                |            |         |           |                             |                                |                              |                        |             |     |
| Frequency (MHz)        |            |         |           |                             |                                |                              |                        |             |     |
| 25                     | QPSK       | 1       | 1         | 25.84                       | 633334                         | 636668                       | Tune-up limit          | MPR         |     |
| 25                     | QPSK       | 1       | 1         | 25.84                       | 3600.24                        | 3600.18                      | 25.95                  | 27.5        | 0.0 |
| Channel                |            |         |           |                             |                                |                              |                        |             |     |
| Frequency (MHz)        |            |         |           |                             |                                |                              |                        |             |     |
| 15                     | QPSK       | 1       | 1         | 25.91                       | 633334                         | 637000                       | Tune-up limit          | MPR         |     |
| 15                     | QPSK       | 1       | 1         | 25.91                       | 3600.25                        | 3600.19                      | 26.30                  | 27.5        | 0.0 |
| Channel                |            |         |           |                             |                                |                              |                        |             |     |
| Frequency (MHz)        |            |         |           |                             |                                |                              |                        |             |     |
| 10                     | QPSK       | 1       | 1         | 25.89                       | 633334                         | 637668                       | Tune-up limit          | MPR         |     |
| 10                     | QPSK       | 1       | 1         | 25.89                       | 3600.26                        | 3600.20                      | 25.94                  | 27.5        | 0.0 |

| Part270 n78 HPUE Ant 2 |            |         |           |                              |                                 |                               |                     |          |     |
|------------------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|-----|
| BW (MHz)               | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 650000 | Power Middle Ch. / Freq. 650000 | Power High Ch. / Freq. 650000 | Tune-up limit (dBm) | MPR (dB) |     |
| Channel                |            |         |           | 3750                         | 3750                            | 3750                          |                     |          |     |
| Frequency (MHz)        |            |         |           |                              |                                 |                               |                     |          |     |
| 100                    | PQ2 BPSK   | 1       | 1         |                              | 26.99                           |                               |                     |          |     |
| 100                    | PQ2 BPSK   | 1       | 137       |                              | 26.94                           |                               | 27.5                | 0.0      |     |
| 100                    | PQ2 BPSK   | 1       | 271       |                              | 26.98                           |                               |                     |          |     |
| 100                    | PQ2 BPSK   | 135     | 0         |                              | 26.55                           |                               | 27.0                | 0.5      |     |
| 100                    | PQ2 BPSK   | 135     | 69        |                              | 27.05                           |                               | 27.5                | 0.0      |     |
| 100                    | PQ2 BPSK   | 135     | 138       |                              | 26.55                           |                               | 27.0                | 0.5      |     |
| 100                    | PQ2 BPSK   | 270     | 0         |                              | 26.52                           |                               |                     |          |     |
| 100                    | QPSK       | 1       | 1         |                              | 27.07                           |                               |                     |          |     |
| 100                    | QPSK       | 1       | 137       |                              | 27.01                           |                               | 27.5                | 0.0      |     |
| 100                    | QPSK       | 1       | 271       |                              | 26.98                           |                               |                     |          |     |
| 100                    | QPSK       | 135     | 0         |                              | 25.99                           |                               | 26.5                | 1.0      |     |
| 100                    | QPSK       | 135     | 69        |                              | 27.05                           |                               | 27.5                | 0.0      |     |
| 100                    | QPSK       | 135     | 138       |                              | 26.06                           |                               | 26.5                | 1.0      |     |
| 100                    | QPSK       | 270     | 0         |                              | 25.97                           |                               | 26.5                | 1.0      |     |
| 100                    | 16QAM      | 1       | 1         |                              | 26.09                           |                               | 26.5                | 1.0      |     |
| 100                    | 64QAM      | 1       | 1         |                              | 23.39                           |                               | 25.0                | 2.5      |     |
| 100                    | 256QAM     | 1       | 1         |                              | 22.26                           |                               | 23.0                | 4.5      |     |
| Channel                |            |         |           | 649968                       | 650000                          | 650334                        | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3745.02                      | 3750                            | 3765.01                       |                     |          |     |
| 90                     | QPSK       | 1       | 1         |                              | 27.02                           | 27.05                         | 27.02               | 27.5     | 0.0 |
| Channel                |            |         |           | 649334                       | 650000                          | 650968                        | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3734                         | 3750                            | 3766                          |                     |          |     |
| 80                     | QPSK       | 1       | 1         |                              | 26.93                           | 26.95                         | 26.93               | 27.5     | 0.0 |
| Channel                |            |         |           | 649000                       | 650000                          | 651000                        | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3724                         | 3750                            | 3776                          |                     |          |     |
| 70                     | QPSK       | 1       | 1         |                              | 26.92                           | 26.97                         | 26.96               | 27.5     | 0.0 |
| Channel                |            |         |           | 648668                       | 650000                          | 651334                        | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3730.02                      | 3750                            | 3770.01                       |                     |          |     |
| 60                     | QPSK       | 1       | 1         |                              | 26.91                           | 26.89                         | 26.89               | 27.5     | 0.0 |
| Channel                |            |         |           | 648334                       | 650000                          | 651668                        | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3725.01                      | 3750                            | 3775.02                       |                     |          |     |
| 50                     | QPSK       | 1       | 1         |                              | 26.94                           | 26.94                         | 26.95               | 27.5     | 0.0 |
| Channel                |            |         |           | 648000                       | 650000                          | 652000                        | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3720                         | 3750                            | 3780                          |                     |          |     |
| 40                     | QPSK       | 1       | 1         |                              | 26.90                           | 26.96                         | 26.97               | 27.5     | 0.0 |
| Channel                |            |         |           | 647668                       | 650000                          | 652334                        | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3719.02                      | 3750                            | 3783.01                       |                     |          |     |
| 30                     | QPSK       | 1       | 1         |                              | 26.89                           | 26.97                         | 26.95               | 27.5     | 0.0 |
| Channel                |            |         |           | 647300                       | 650000                          | 652600                        | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3712.5                       | 3750                            | 3787.5                        |                     |          |     |
| 25                     | QPSK       | 1       | 1         |                              | 26.94                           | 27.00                         | 26.91               | 27.5     | 0.0 |
| Channel                |            |         |           | 647000                       | 650000                          | 652900                        | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3710.01                      | 3750                            | 3790.02                       |                     |          |     |
| 20                     | QPSK       | 1       | 1         |                              | 26.94                           | 26.93                         | 26.93               | 27.5     | 0.0 |
| Channel                |            |         |           | 647168                       | 650000                          | 653234                        | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3707.02                      | 3750                            | 3782.51                       |                     |          |     |
| 15                     | QPSK       | 1       | 1         |                              | 26.86                           | 26.95                         | 26.97               | 27.5     | 0.0 |
| Channel                |            |         |           | 647000                       | 650000                          | 653500                        | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3705                         | 3750                            | 3795                          |                     |          |     |
| 10                     | QPSK       | 1       | 1         |                              | 26.92                           | 26.96                         | 26.96               | 27.5     | 0.0 |

| Part27Q 78 HPUE Ant 2 |            |         |           |                      |                         |                       |                     |          |     |
|-----------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|-----|
| 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               |            |         |           | 633334               | 633334                  |                       |                     |          |     |
| Frequency (MHz)       |            |         |           | 3000.01              |                         |                       |                     |          |     |
| 100                   | PQ2 BPSK   | 1       | 1         |                      | 25.88                   |                       |                     |          |     |
| 100                   | PQ2 BPSK   | 1       | 137       |                      | 25.83                   |                       | 27.5                | 0.0      |     |
| 100                   | PQ2 BPSK   | 1       | 271       |                      | 25.78                   |                       |                     |          |     |
| 100                   | PQ2 BPSK   | 135     | 0         |                      | 25.45                   |                       | 27.0                | 0.5      |     |
| 100                   | PQ2 BPSK   | 135     | 69        |                      | 25.88                   |                       | 27.5                | 0.0      |     |
| 100                   | PQ2 BPSK   | 135     | 138       |                      | 25.44                   |                       | 27.0                | 0.5      |     |
| 100                   | PQ2 BPSK   | 270     | 0         |                      | 25.40                   |                       |                     |          |     |
| 100                   | QPSK       | 1       | 1         |                      | 25.00                   |                       |                     |          |     |
| 100                   | QPSK       | 1       | 137       |                      | 25.86                   |                       | 27.5                | 0.0      |     |
| 100                   | QPSK       | 1       | 271       |                      | 25.92                   |                       |                     |          |     |
| 100                   | QPSK       | 135     | 0         |                      | 24.94                   |                       | 26.5                | 1.0      |     |
| 100                   | QPSK       | 135     | 69        |                      | 25.50                   |                       | 27.5                | 0.0      |     |
| 100                   | QPSK       | 135     | 138       |                      | 24.90                   |                       | 26.5                | 1.0      |     |
| 100                   | QPSK       | 270     | 0         |                      | 25.03                   |                       | 26.5                | 1.0      |     |
| 100                   | 16QAM      | 1       | 1         |                      | 24.95                   |                       | 26.5                | 1.0      |     |
| 100                   | 64QAM      | 1       | 1         |                      | 22.40                   |                       | 25.0                | 2.5      |     |
| 100                   | 256QAM     | 1       | 1         |                      | 21.19                   |                       | 23.0                | 4.5      |     |
| Channel               |            |         |           | 633000               | 633334                  | 633668                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)       |            |         |           | 3495                 | 3500.01                 | 3505.02               |                     |          |     |
| 90                    | QPSK       | 1       | 1         |                      | 25.86                   | 25.95                 | 25.86               | 27.5     | 0.0 |
| Channel               |            |         |           | 632668               | 633334                  | 634000                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)       |            |         |           | 3490.02              | 3500.01                 | 3510.01               |                     |          |     |
| 80                    | QPSK       | 1       | 1         |                      | 25.87                   | 25.90                 | 25.94               | 27.5     | 0.0 |
| Channel               |            |         |           | 632334               | 633334                  | 634334                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)       |            |         |           | 3485.01              | 3500.01                 | 3515.01               |                     |          |     |
| 70                    | QPSK       | 1       | 1         |                      | 25.82                   | 25.92                 | 25.91               | 27.5     | 0.0 |
| Channel               |            |         |           | 632000               | 633334                  | 634668                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)       |            |         |           | 3480                 | 3500.01                 | 3520.02               |                     |          |     |
| 60                    | QPSK       | 1       | 1         |                      | 25.80                   | 25.89                 | 25.88               | 27.5     | 0.0 |
| Channel               |            |         |           | 631668               | 633334                  | 635000                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)       |            |         |           | 3475.02              | 3500.01                 | 3525                  |                     |          |     |
| 50                    | QPSK       | 1       | 1         |                      | 25.87                   | 25.94                 | 25.94               | 27.5     | 0.0 |
| Channel               |            |         |           | 631334               | 633334                  | 635334                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)       |            |         |           | 3470.01              | 3500.01                 | 3530.01               |                     |          |     |
| 40                    | QPSK       | 1       | 1         |                      | 25.90                   | 25.92                 | 25.88               | 27.5     | 0.0 |
| Channel               |            |         |           | 631000               | 633334                  | 635668                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)       |            |         |           | 3465                 | 3500.01                 | 3535.02               |                     |          |     |
| 30                    | QPSK       | 1       | 1         |                      | 25.90                   | 25.98                 | 25.98               | 27.5     | 0.0 |
| Channel               |            |         |           | 630668               | 633334                  | 636000                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)       |            |         |           | 3460.01              | 3500.01                 | 3537.51               |                     |          |     |
| 25                    | QPSK       | 1       | 1         |                      | 25.90                   | 25.97                 | 25.93               | 27.5     | 0.0 |
| Channel               |            |         |           | 630334               | 633334                  | 636334                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)       |            |         |           | 3455                 | 3500.01                 | 3540.02               |                     |          |     |
| 20                    | QPSK       | 1       | 1         |                      | 25.79                   | 25.97                 | 25.96               | 27.5     | 0.0 |
| Channel               |            |         |           | 630000               | 633334                  | 636668                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)       |            |         |           | 3452.5               | 3500.01                 | 3542.92               |                     |          |     |
| 15                    | QPSK       | 1       | 1         |                      | 25.84                   | 25.96                 | 25.93               | 27.5     | 0.0 |
| Channel               |            |         |           | 630334               | 633334                  | 636334                | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)       |            |         |           | 3455.01              | 3500.01                 | 3545.01               |                     |          |     |
| 10                    | QPSK       | 1       | 1         |                      | 25.80                   | 25.88                 | 25.86               | 27.5     | 0.0 |

| n41 HPUE Ant 8  |            |         |           |                                                                           |                                |                              |                        |             |  |
|-----------------|------------|---------|-----------|---------------------------------------------------------------------------|--------------------------------|------------------------------|------------------------|-------------|--|
| BW (MHz)        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq.                                               | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel         |            |         |           | 506002                                                                    | 518598                         | 526000                       |                        |             |  |
| Frequency (MHz) |            |         |           | 2544.01                                                                   | 2592.99                        | 2540                         |                        |             |  |
| 100             | P12 BPSK   | 1       | 1         | 25.48                                                                     | 25.82                          | 25.88                        | 27.0                   | 0.0         |  |
| 100             | P12 BPSK   | 133     | 137       | 25.36                                                                     | 25.82                          | 25.76                        |                        |             |  |
| 100             | P12 BPSK   | 1       | 271       | 25.47                                                                     | 25.81                          | 25.83                        |                        |             |  |
| 100             | P12 BPSK   | 135     | 0         | 24.96                                                                     | 25.35                          | 25.30                        | 26.5                   | 0.5         |  |
| 100             | P12 BPSK   | 135     | 69        | 25.42                                                                     | 25.78                          | 25.73                        | 27.0                   | 0.0         |  |
| 100             | P12 BPSK   | 135     | 138       | 24.92                                                                     | 25.37                          | 25.33                        | 26.5                   | 0.5         |  |
| 100             | P12 BPSK   | 270     | 0         | 25.07                                                                     | 25.38                          | 25.35                        |                        |             |  |
| 100             | QPSK       | 1       | 1         | 25.54                                                                     | 25.84                          | 25.83                        | 27.0                   | 0.0         |  |
| 100             | QPSK       | 1       | 137       | 25.41                                                                     | 25.82                          | 25.76                        |                        |             |  |
| 100             | QPSK       | 1       | 271       | 25.42                                                                     | 25.78                          | 25.82                        |                        |             |  |
| 100             | QPSK       | 135     | 0         | 24.50                                                                     | 24.84                          | 24.89                        | 26.0                   | 1.0         |  |
| 100             | QPSK       | 135     | 69        | 25.42                                                                     | 25.88                          | 25.82                        | 27.0                   | 0.0         |  |
| 100             | QPSK       | 135     | 138       | 24.44                                                                     | 24.85                          | 24.52                        | 26.0                   | 1.0         |  |
| 100             | QPSK       | 270     | 0         | 24.42                                                                     | 24.85                          | 24.81                        |                        |             |  |
| 100             | 16QAM      | 1       | 1         | 24.55                                                                     | 24.58                          | 24.52                        | 26.0                   | 1.0         |  |
| 100             | 64QAM      | 1       | 1         | 22.73                                                                     | 22.30                          | 22.79                        | 24.5                   | 2.5         |  |
| 100             | 256QAM     | 1       | 1         | 20.86                                                                     | 20.60                          | 20.85                        | 22.5                   | 4.5         |  |
| Channel         |            |         |           | 508200                                                                    | 518598                         | 526998                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2541 <td>2592.99</td> <td>2644.98</td> <th></th> <th colspan="2"></th>    | 2592.99                        | 2644.98                      |                        |             |  |
| 90              | QPSK       | 1       | 1         | 25.41                                                                     | 25.82                          | 25.77                        | 27.0                   | 0.0         |  |
| Channel         |            |         |           | 508204                                                                    | 518598                         | 529998                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2638.02 <td>2592.99</td> <td>2649.99</td> <th></th> <th colspan="2"></th> | 2592.99                        | 2649.99                      |                        |             |  |
| 80              | QPSK       | 1       | 1         | 25.48                                                                     | 25.83                          | 25.76                        | 27.0                   | 0.0         |  |
| Channel         |            |         |           | 508300                                                                    | 518598                         | 531998                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2706 <td>2592.99</td> <td>2659.98</td> <th></th> <th colspan="2"></th>    | 2592.99                        | 2659.98                      |                        |             |  |
| 60              | QPSK       | 1       | 1         | 25.44                                                                     | 25.75                          | 25.80                        | 27.0                   | 0.0         |  |
| Channel         |            |         |           | 508404                                                                    | 518598                         | 532998                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2621.02 <td>2592.99</td> <td>2664.99</td> <th></th> <th colspan="2"></th> | 2592.99                        | 2664.99                      |                        |             |  |
| 50              | QPSK       | 1       | 1         | 25.45                                                                     | 25.85                          | 25.84                        | 27.0                   | 0.0         |  |
| Channel         |            |         |           | 508502                                                                    | 518598                         | 533500                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2516.01 <td>2592.99</td> <td>2670</td> <th></th> <th colspan="2"></th>    | 2592.99                        | 2670                         |                        |             |  |
| 40              | QPSK       | 1       | 1         | 25.40                                                                     | 25.87                          | 25.84                        | 27.0                   | 0.0         |  |
| Channel         |            |         |           | 509200                                                                    | 518598                         | 534998                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2511 <td>2592.99</td> <td>2674.98</td> <th></th> <th colspan="2"></th>    | 2592.99                        | 2674.98                      |                        |             |  |
| 30              | QPSK       | 1       | 1         | 25.35                                                                     | 25.75                          | 25.83                        | 27.0                   | 0.0         |  |
| Channel         |            |         |           | 501204                                                                    | 518598                         | 535998                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2506.02 <td>2592.99</td> <td>2679.99</td> <th></th> <th colspan="2"></th> | 2592.99                        | 2679.99                      |                        |             |  |
| 20              | QPSK       | 1       | 1         | 25.36                                                                     | 25.88                          | 26.75                        | 27.0                   | 0.0         |  |
| Channel         |            |         |           | 500200                                                                    | 518598                         | 536998                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2503.5 <td>2592.99</td> <td>2682.48</td> <th></th> <th colspan="2"></th>  | 2592.99                        | 2682.48                      |                        |             |  |
| 15              | QPSK       | 1       | 1         | 25.39                                                                     | 25.84                          | 25.83                        | 27.0                   | 0.0         |  |
| Channel         |            |         |           | 500102                                                                    | 518598                         | 537000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Frequency (MHz) |            |         |           | 2601.01 <td>2592.99</td> <td>2686</td> <th></th> <th colspan="2"></th>    | 2592.99                        | 2686                         |                        |             |  |
| 10              | QPSK       | 1       | 1         | 25.45                                                                     | 25.76                          | 25.81                        | 27.0                   | 0.0         |  |

| Par270 n77 HPUE Ant 8 |            |         |           |                          |                             |                           |                        |             |     |
|-----------------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|-----|
| BW [MHz]              | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dbm) | MPR<br>(db) |     |
| Channel               |            |         |           | 600000                   | 606000                      | 606000                    |                        |             |     |
| Frequency (MHz)       |            |         |           | 3750                     | 3840                        | 3900                      |                        |             |     |
| 100                   | P12 BPSK   | 1       | 1         | 25.95                    | 25.89                       | 25.60                     | 27.0                   |             | 0.0 |
| 100                   | P12 BPSK   | 1       | 137       | 25.80                    | 25.99                       | 25.63                     |                        |             |     |
| 100                   | P12 BPSK   | 1       | 271       | 25.88                    | 25.85                       | 25.59                     |                        |             |     |
| 100                   | P12 BPSK   | 135     | 0         | 25.46                    | 25.44                       | 25.14                     | 26.5                   | 0.5         |     |
| 100                   | P12 BPSK   | 135     | 69        | 25.87                    | 25.95                       | 25.65                     | 27.0                   | 0.0         |     |
| 100                   | P12 BPSK   | 135     | 138       | 25.47                    | 25.45                       | 25.18                     | 26.5                   | 0.5         |     |
| 100                   | P12 BPSK   | 270     | 0         | 25.44                    | 25.50                       | 25.11                     |                        |             |     |
| 100                   | QPSK       | 1       | 1         | 25.99                    | 26.01                       | 25.71                     | 27.0                   |             | 0.0 |
| 100                   | QPSK       | 1       | 137       | 25.86                    | 25.83                       | 25.65                     |                        |             |     |
| 100                   | QPSK       | 1       | 271       | 25.91                    | 25.85                       | 25.57                     |                        |             |     |
| 100                   | QPSK       | 135     | 0         | 24.93                    | 24.97                       | 24.60                     | 26.0                   | 1.0         |     |
| 100                   | QPSK       | 135     | 69        | 25.94                    | 25.98                       | 25.59                     | 27.0                   | 0.0         |     |
| 100                   | QPSK       | 135     | 138       | 24.88                    | 25.00                       | 24.70                     | 26.0                   | 1.0         |     |
| 100                   | QPSK       | 270     | 0         | 24.85                    | 25.01                       | 24.59                     |                        |             |     |
| 100                   | 16QAM      | 1       | 1         | 25.09                    | 25.17                       | 25.16                     | 26.0                   | 1.0         |     |
| 100                   | 64QAM      | 1       | 1         | 22.47                    | 22.48                       | 22.51                     | 24.5                   | 2.5         |     |
| 100                   | 256QAM     | 1       | 1         | 21.02                    | 21.13                       | 21.16                     | 22.5                   | 4.5         |     |
| Channel               |            |         |           | 649688                   | 650000                      | 662334                    | Tune-up limit<br>(dbm) | MPR<br>(db) |     |
| Frequency (MHz)       |            |         |           | 3845.02                  | 3840                        | 3935.01                   |                        |             |     |
| 90                    | QPSK       | 1       | 1         | 25.92                    | 25.95                       | 25.65                     | 27.0                   | 0.0         |     |
| Channel               |            |         |           | 649334                   | 650000                      | 660968                    | Tune-up limit<br>(dbm) | MPR<br>(db) |     |
| Frequency (MHz)       |            |         |           | 3740.01                  | 3840                        | 3940.02                   |                        |             |     |
| 80                    | QPSK       | 1       | 1         | 25.88                    | 25.92                       | 25.64                     | 27.0                   | 0.0         |     |
| Channel               |            |         |           | 649000                   | 650000                      | 663000                    | Tune-up limit<br>(dbm) | MPR<br>(db) |     |
| Frequency (MHz)       |            |         |           | 3735                     | 3840                        | 3945                      |                        |             |     |
| 70                    | QPSK       | 1       | 1         | 25.94                    | 25.89                       | 25.69                     | 27.0                   | 0.0         |     |
| Channel               |            |         |           | 648668                   | 650000                      | 663334                    | Tune-up limit<br>(dbm) | MPR<br>(db) |     |
| Frequency (MHz)       |            |         |           | 3730.02                  | 3840                        | 3950.01                   |                        |             |     |
| 60                    | QPSK       | 1       | 1         | 25.87                    | 25.91                       | 25.68                     | 27.0                   | 0.0         |     |
| Channel               |            |         |           | 648334                   | 650000                      | 663668                    | Tune-up limit<br>(dbm) | MPR<br>(db) |     |
| Frequency (MHz)       |            |         |           | 3725.01                  | 3840                        | 3955.02                   |                        |             |     |
| 50                    | QPSK       | 1       | 1         | 25.87                    | 25.90                       | 25.58                     | 27.0                   | 0.0         |     |
| Channel               |            |         |           | 648000                   | 650000                      | 664000                    | Tune-up limit<br>(dbm) | MPR<br>(db) |     |
| Frequency (MHz)       |            |         |           | 3720                     | 3840                        | 3940                      |                        |             |     |
| 40                    | QPSK       | 1       | 1         | 25.91                    | 25.97                       | 25.66                     | 27.0                   | 0.0         |     |
| Channel               |            |         |           | 647668                   | 650000                      | 664334                    | Tune-up limit<br>(dbm) | MPR<br>(db) |     |
| Frequency (MHz)       |            |         |           | 3715.02                  | 3840                        | 3955.01                   |                        |             |     |
| 30                    | QPSK       | 1       | 1         | 25.95                    | 25.97                       | 25.65                     | 27.0                   | 0.0         |     |
| Channel               |            |         |           | 647000                   | 650000                      | 665000                    | Tune-up limit<br>(dbm) | MPR<br>(db) |     |
| Frequency (MHz)       |            |         |           | 3712.5                   | 3840                        | 3967.5                    |                        |             |     |
| 25                    | QPSK       | 1       | 1         | 25.95                    | 25.98                       | 25.64                     | 27.0                   | 0.0         |     |
| Channel               |            |         |           | 647334                   | 650000                      | 665668                    | Tune-up limit<br>(dbm) | MPR<br>(db) |     |
| Frequency (MHz)       |            |         |           | 3710.81                  | 3840                        | 3970.02                   |                        |             |     |
| 20                    | QPSK       | 1       | 1         | 25.85                    | 25.96                       | 25.65                     | 27.0                   | 0.0         |     |
| Channel               |            |         |           | 647168                   | 650000                      | 666834                    | Tune-up limit<br>(dbm) | MPR<br>(db) |     |
| Frequency (MHz)       |            |         |           | 3707.52                  | 3840                        | 3972.51                   |                        |             |     |
| 15                    | QPSK       | 1       | 1         | 25.87                    | 25.98                       | 25.65                     | 27.0                   | 0.0         |     |
| Channel               |            |         |           | 647000                   | 650000                      | 666000                    | Tune-up limit<br>(dbm) | MPR<br>(db) |     |
| Frequency (MHz)       |            |         |           | 3705                     | 3840                        | 3975                      |                        |             |     |
| 10                    | QPSK       | 1       | 1         | 25.86                    | 25.94                       | 25.59                     | 27.0                   | 0.0         |     |

| Part27Q n77 HPUE Ant 8 |            |         |           |                       |                          |                        |                     |          |  |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                |            |         |           | 6300.01               |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 25.69                 |                          |                        |                     |          |  |
| 100                    | PI2 BPSK   | 1       | 1         |                       | 25.83                    |                        | 27.0                | 0.0      |  |
| 100                    | PI2 BPSK   | 1       | 137       |                       | 25.83                    |                        |                     |          |  |
| 100                    | PI2 BPSK   | 1       | 271       |                       | 25.64                    |                        |                     |          |  |
| 100                    | PI2 BPSK   | 135     | 0         |                       | 25.19                    |                        | 26.5                | 0.5      |  |
| 100                    | PI2 BPSK   | 135     | 69        |                       | 25.80                    |                        | 27.0                | 0.0      |  |
| 100                    | PI2 BPSK   | 135     | 138       |                       | 25.28                    |                        | 26.5                | 0.5      |  |
| 100                    | PI2 BPSK   | 270     | 0         |                       | 25.28                    |                        |                     |          |  |
| 100                    | QPSK       | 1       | 1         |                       | 25.85                    |                        | 27.0                | 0.0      |  |
| 100                    | QPSK       | 1       | 137       |                       | 25.82                    |                        |                     |          |  |
| 100                    | QPSK       | 1       | 271       |                       | 25.81                    |                        |                     |          |  |
| 100                    | QPSK       | 135     | 0         |                       | 24.78                    |                        | 26.0                | 1.0      |  |
| 100                    | QPSK       | 135     | 69        |                       | 25.76                    |                        | 27.0                | 0.0      |  |
| 100                    | QPSK       | 135     | 138       |                       | 24.82                    |                        | 26.0                | 1.0      |  |
| 100                    | QPSK       | 270     | 0         |                       | 24.75                    |                        |                     |          |  |
| 100                    | 16QAM      | 1       | 1         |                       | 24.99                    |                        | 24.5                | 2.5      |  |
| 100                    | 64QAM      | 1       | 1         |                       | 22.25                    |                        | 22.5                | 4.5      |  |
| 100                    | 256QAM     | 1       | 1         |                       | 20.89                    |                        |                     |          |  |
| Channel                |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3485                  | 3500.01                  | 3505.02                |                     |          |  |
| 90                     | QPSK       | 1       | 1         | 25.79                 | 25.78                    | 25.70                  | 27.0                | 0.0      |  |
| Channel                |            |         |           | 635968                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3489.02               | 3500.01                  | 3510.01                |                     |          |  |
| 80                     | QPSK       | 1       | 1         | 25.82                 | 25.79                    | 25.78                  | 27.0                | 0.0      |  |
| Channel                |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |  |
| 70                     | QPSK       | 1       | 1         | 25.73                 | 25.81                    | 25.74                  | 27.0                | 0.0      |  |
| Channel                |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |  |
| 60                     | QPSK       | 1       | 1         | 25.82                 | 25.84                    | 25.69                  | 27.0                | 0.0      |  |
| Channel                |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3475.02               | 3500.01                  | 3525.01                |                     |          |  |
| 50                     | QPSK       | 1       | 1         | 25.79                 | 25.75                    | 25.70                  | 27.0                | 0.0      |  |
| Channel                |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3481.01               | 3500.01                  | 3523.01                |                     |          |  |
| 40                     | QPSK       | 1       | 1         | 25.74                 | 25.74                    | 25.68                  | 27.0                | 0.0      |  |
| Channel                |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3485                  | 3500.01                  | 3535.02                |                     |          |  |
| 30                     | QPSK       | 1       | 1         | 25.77                 | 25.80                    | 25.73                  | 27.0                | 0.0      |  |
| Channel                |            |         |           | 630534                | 633334                   | 635934                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3482.51               | 3500.01                  | 3537.51                |                     |          |  |
| 25                     | QPSK       | 1       | 1         | 25.79                 | 25.78                    | 25.68                  | 27.0                | 0.0      |  |
| Channel                |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3489.02               | 3500.01                  | 3540.01                |                     |          |  |
| 20                     | QPSK       | 1       | 1         | 25.76                 | 25.75                    | 25.73                  | 27.0                | 0.0      |  |
| Channel                |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3492.5                | 3500.01                  | 3542.52                |                     |          |  |
| 15                     | QPSK       | 1       | 1         | 25.81                 | 25.77                    | 25.67                  | 27.0                | 0.0      |  |
| Channel                |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3485.01               | 3500.01                  | 3545.01                |                     |          |  |
| 10                     | QPSK       | 1       | 1         | 25.81                 | 25.76                    | 25.72                  | 27.0                | 0.0      |  |

| Part27Q n78 HPUE Ant 8 |            |         |           |                       |                          |                        |                     |          |  |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                |            |         |           | 3750                  |                          | 3750                   |                     |          |  |
| Frequency (MHz)        |            |         |           | 25.70                 |                          | 25.74                  |                     |          |  |
| 100                    | PI2 BPSK   | 1       | 1         |                       | 25.74                    |                        | 27.0                | 0.0      |  |
| 100                    | PI2 BPSK   | 1       | 137       |                       | 25.74                    |                        |                     |          |  |
| 100                    | PI2 BPSK   | 1       | 271       |                       | 25.57                    |                        |                     |          |  |
| 100                    | PI2 BPSK   | 135     | 0         |                       | 25.26                    |                        | 26.5                | 0.5      |  |
| 100                    | PI2 BPSK   | 135     | 69        |                       | 25.71                    |                        | 27.0                | 0.0      |  |
| 100                    | PI2 BPSK   | 135     | 138       |                       | 25.18                    |                        | 26.5                | 0.5      |  |
| 100                    | PI2 BPSK   | 270     | 0         |                       | 25.32                    |                        |                     |          |  |
| 100                    | QPSK       | 1       | 1         |                       | 25.83                    |                        | 27.0                | 0.0      |  |
| 100                    | QPSK       | 1       | 137       |                       | 25.66                    |                        |                     |          |  |
| 100                    | QPSK       | 1       | 271       |                       | 25.72                    |                        |                     |          |  |
| 100                    | QPSK       | 135     | 0         |                       | 24.73                    |                        | 26.0                | 1.0      |  |
| 100                    | QPSK       | 135     | 69        |                       | 25.77                    |                        | 27.0                | 0.0      |  |
| 100                    | QPSK       | 135     | 138       |                       | 24.83                    |                        | 26.0                | 1.0      |  |
| 100                    | QPSK       | 270     | 0         |                       | 24.85                    |                        |                     |          |  |
| 100                    | 16QAM      | 1       | 1         |                       | 24.90                    |                        | 24.5                | 2.5      |  |
| 100                    | 64QAM      | 1       | 1         |                       | 22.27                    |                        | 22.5                | 4.5      |  |
| 100                    | 256QAM     | 1       | 1         |                       | 20.86                    |                        |                     |          |  |
| Channel                |            |         |           | 649600                | 650000                   | 650400                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |  |
| 90                     | QPSK       | 1       | 1         | 25.66                 | 25.80                    | 25.74                  | 27.0                | 0.0      |  |
| Channel                |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |  |
| 80                     | QPSK       | 1       | 1         | 25.73                 | 25.73                    | 25.72                  | 27.0                | 0.0      |  |
| Channel                |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |  |
| 70                     | QPSK       | 1       | 1         | 25.67                 | 25.78                    | 25.81                  | 27.0                | 0.0      |  |
| Channel                |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |  |
| 60                     | QPSK       | 1       | 1         | 25.68                 | 25.80                    | 25.71                  | 27.0                | 0.0      |  |
| Channel                |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |  |
| 50                     | QPSK       | 1       | 1         | 25.78                 | 25.74                    | 25.74                  | 27.0                | 0.0      |  |
| Channel                |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |  |
| 40                     | QPSK       | 1       | 1         | 25.74                 | 25.74                    | 25.70                  | 27.0                | 0.0      |  |
| Channel                |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3715.02               | 3750                     | 3785.01                |                     |          |  |
| 30                     | QPSK       | 1       | 1         | 25.69                 | 25.72                    | 25.74                  | 27.0                | 0.0      |  |
| Channel                |            |         |           | 647334                | 650000                   | 652500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3712.5                | 3750                     | 3787.5                 |                     |          |  |
| 25                     | QPSK       | 1       | 1         | 25.67                 | 25.81                    | 25.76                  | 27.0                | 0.0      |  |
| Channel                |            |         |           | 647000                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3707.52               | 3750                     | 3792.51                |                     |          |  |
| 20                     | QPSK       | 1       | 1         | 25.71                 | 25.75                    | 25.69                  | 27.0                | 0.0      |  |
| Channel                |            |         |           | 646768                | 650000                   | 652834                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3707.52               | 3750                     | 3792.51                |                     |          |  |
| 15                     | QPSK       | 1       | 1         | 25.74                 | 25.71                    | 25.71                  | 27.0                | 0.0      |  |
| Channel                |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |  |
| 10                     | QPSK       | 1       | 1         | 25.69                 | 25.75                    | 25.72                  | 27.0                | 0.0      |  |

| Part27Q 78 HPUE Ant 8 |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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               |            |         |           | 633334                |                          |                        |                     |          |  |
| Frequency (MHz)       |            |         |           | 3500.01               |                          |                        |                     |          |  |
| 100                   | PI2 BPSK   | 1       | 1         |                       | 25.59                    |                        |                     |          |  |
| 100                   | PI2 BPSK   | 1       | 137       |                       | 25.63                    |                        | 27.0                | 0.0      |  |
| 100                   | PI2 BPSK   | 1       | 271       |                       | 25.42                    |                        |                     |          |  |
| 100                   | PI2 BPSK   | 135     | 0         |                       | 25.20                    |                        | 26.5                | 0.5      |  |
| 100                   | PI2 BPSK   | 135     | 69        |                       | 25.61                    |                        | 27.0                | 0.0      |  |
| 100                   | PI2 BPSK   | 135     | 138       |                       | 25.05                    |                        | 26.5                | 0.5      |  |
| 100                   | PI2 BPSK   | 270     | 0         |                       | 25.20                    |                        |                     |          |  |
| 100                   | QPSK       | 1       | 1         |                       | 25.68                    |                        | 27.0                | 0.0      |  |
| 100                   | QPSK       | 1       | 137       |                       | 25.53                    |                        |                     |          |  |
| 100                   | QPSK       | 1       | 271       |                       | 25.66                    |                        |                     |          |  |
| 100                   | QPSK       | 135     | 0         |                       | 24.58                    |                        | 26.0                | 1.0      |  |
| 100                   | QPSK       | 135     | 69        |                       | 25.64                    |                        | 27.0                | 0.0      |  |
| 100                   | QPSK       | 135     | 138       |                       | 24.77                    |                        | 26.0                | 1.0      |  |
| 100                   | QPSK       | 270     | 0         |                       | 24.68                    |                        | 26.0                | 1.0      |  |
| 100                   | 16QAM      | 1       | 1         |                       | 24.83                    |                        | 26.0                | 1.0      |  |
| 100                   | 64QAM      | 1       | 1         |                       | 22.14                    |                        | 24.5                | 2.5      |  |
| 100                   | 256QAM     | 1       | 1         |                       | 20.90                    |                        | 22.5                | 4.5      |  |
| Channel               |            |         |           | 633000                | 633334                   | 633668                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |  |
| 90                    | QPSK       | 1       | 1         | 25.45                 | 25.42                    | 25.42                  |                     |          |  |
| Channel               |            |         |           | 632666                | 633334                   | 634002                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3490.02               | 3500.01                  | 3510.01                |                     |          |  |
| 80                    | QPSK       | 1       | 1         | 25.54                 | 25.62                    | 25.58                  | 27.0                | 0.0      |  |
| Channel               |            |         |           | 632332                | 633334                   | 634336                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |  |
| 70                    | QPSK       | 1       | 1         | 25.57                 | 25.66                    | 25.55                  | 27.0                | 0.0      |  |
| Channel               |            |         |           | 632000                | 633334                   | 634668                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3480.01               | 3500.01                  | 3520.02                |                     |          |  |
| 60                    | QPSK       | 1       | 1         | 25.54                 | 25.64                    | 25.59                  | 27.0                | 0.0      |  |
| Channel               |            |         |           | 631666                | 633334                   | 635000                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |  |
| 50                    | QPSK       | 1       | 1         | 25.54                 | 25.61                    | 25.57                  | 27.0                | 0.0      |  |
| Channel               |            |         |           | 631332                | 633334                   | 635334                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 40                    | QPSK       | 1       | 1         | 25.61                 | 25.65                    | 25.66                  | 27.0                | 0.0      |  |
| Channel               |            |         |           | 631000                | 633334                   | 635668                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3465.01               | 3500.01                  | 3535.02                |                     |          |  |
| 30                    | QPSK       | 1       | 1         | 25.59                 | 25.63                    | 25.61                  | 27.0                | 0.0      |  |
| Channel               |            |         |           | 630668                | 633334                   | 636004                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3460.01               | 3500.01                  | 3540.01                |                     |          |  |
| 25                    | QPSK       | 1       | 1         | 25.60                 | 25.60                    | 25.57                  | 27.0                | 0.0      |  |
| Channel               |            |         |           | 630668                | 633334                   | 636000                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3460.02               | 3500.01                  | 3540.01                |                     |          |  |
| 20                    | QPSK       | 1       | 1         | 25.53                 | 25.65                    | 25.64                  | 27.0                | 0.0      |  |
| Channel               |            |         |           | 630334                | 633334                   | 636334                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |  |
| 15                    | QPSK       | 1       | 1         | 25.58                 | 25.65                    | 25.55                  | 27.0                | 0.0      |  |
| Channel               |            |         |           | 630000                | 633334                   | 636668                 |                     |          |  |
| Frequency (MHz)       |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |  |
| 10                    | QPSK       | 1       | 1         | 25.52                 | 25.65                    | 25.62                  | 27.0                | 0.0      |  |

| n30 Ant 9       |            |         |           |                             |                                |                              |                        |             |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 462000                      |                                |                              | 25.0                   | 0.0         |
| Frequency (MHz) |            |         |           | 2310                        |                                |                              |                        |             |
| 10              | PI2 BPSK   | 1       | 1         |                             | 24.02                          |                              | 25.0                   | 0.0         |
| 10              | PI2 BPSK   | 1       | 26        |                             | 23.83                          |                              |                        |             |
| 10              | PI2 BPSK   | 1       | 50        |                             | 23.95                          |                              | 24.5                   | 0.5         |
| 10              | PI2 BPSK   | 25      | 0         |                             | 23.50                          |                              |                        |             |
| 10              | PI2 BPSK   | 25      | 14        |                             | 23.90                          |                              | 25.0                   | 0.0         |
| 10              | PI2 BPSK   | 25      | 27        |                             | 23.59                          |                              | 24.5                   | 0.5         |
| 10              | PI2 BPSK   | 50      | 0         |                             | 23.56                          |                              |                        |             |
| 10              | QPSK       | 1       | 1         |                             | 24.05                          |                              | 25.0                   | 0.0         |
| 10              | QPSK       | 1       | 26        |                             | 23.96                          |                              |                        |             |
| 10              | QPSK       | 1       | 50        |                             | 23.94                          |                              | 24.0                   | 1.0         |
| 10              | QPSK       | 25      | 0         |                             | 23.00                          |                              |                        |             |
| 10              | QPSK       | 25      | 14        |                             | 23.95                          |                              | 25.0                   | 0.0         |
| 10              | QPSK       | 25      | 27        |                             | 23.01                          |                              | 24.0                   | 1.0         |
| 10              | QPSK       | 50      | 0         |                             | 23.02                          |                              |                        |             |
| 10              | 16QAM      | 1       | 1         |                             | 22.76                          |                              | 24.0                   | 1.0         |
| 10              | 64QAM      | 1       | 1         |                             | 22.15                          |                              | 22.5                   | 2.5         |
| 10              | 256QAM     | 1       | 1         |                             | 20.01                          |                              | 20.5                   | 4.5         |
| Channel         |            |         |           | 461500                      | 462000                         | 462500                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 2307.5                      | 2310                           | 2312.5                       |                        |             |
| 5               | QPSK       | 1       | 1         | 23.80                       | 23.98                          | 23.87                        | 25.0                   | 0.0         |

| n41 HPUE Ant 9  |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz) |            |         |           | 2546.01               | 2562.99                  | 2644                   |                     |          |  |
| 100             | Pi2 BPSK   | 1       | 1         | 23.21                 | 23.51                    | 23.46                  | 25.0                | 0.0      |  |
| 100             | Pi2 BPSK   | 1       | 137       | 23.24                 | 23.48                    | 23.53                  |                     |          |  |
| 100             | Pi2 BPSK   | 1       | 271       | 23.34                 | 23.50                    | 23.44                  |                     |          |  |
| 100             | Pi2 BPSK   | 136     | 0         | 22.79                 | 23.01                    | 22.96                  | 24.5                | 0.5      |  |
| 100             | Pi2 BPSK   | 136     | 69        | 23.35                 | 23.41                    | 23.49                  | 25.0                | 0.0      |  |
| 100             | Pi2 BPSK   | 136     | 136       | 22.89                 | 23.02                    | 23.06                  | 24.5                | 0.5      |  |
| 100             | Pi2 BPSK   | 270     | 0         | 22.91                 | 22.95                    | 23.05                  |                     |          |  |
| 100             | QPSK       | 1       | 1         | 23.34                 | 23.60                    | 23.58                  | 25.0                | 0.0      |  |
| 100             | QPSK       | 1       | 137       | 23.19                 | 23.50                    | 23.50                  |                     |          |  |
| 100             | QPSK       | 1       | 271       | 23.54                 | 23.48                    | 23.35                  |                     |          |  |
| 100             | QPSK       | 136     | 0         | 22.85                 | 22.12                    | 22.48                  | 24.0                | 1.0      |  |
| 100             | QPSK       | 136     | 69        | 23.01                 | 23.51                    | 23.42                  | 25.0                | 0.0      |  |
| 100             | QPSK       | 136     | 136       | 22.36                 | 22.52                    | 22.54                  | 24.0                | 1.0      |  |
| 100             | QPSK       | 270     | 0         | 22.31                 | 22.44                    | 22.37                  |                     |          |  |
| 100             | 16QAM      | 1       | 1         | 21.96                 | 21.96                    | 22.00                  | 24.0                | 1.0      |  |
| 100             | 64QAM      | 1       | 1         | 20.43                 | 20.46                    | 20.47                  | 22.5                | 2.5      |  |
| 100             | 256QAM     | 1       | 1         | 18.94                 | 19.09                    | 19.08                  | 20.5                | 4.5      |  |
| Channel         |            |         |           | 5500.00               | 5189.98                  | 5260.00                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2541                  | 2562.99                  | 2644.98                | (dBm)               | (dB)     |  |
| 80              | QPSK       | 1       | 1         | 23.36                 | 23.53                    | 23.46                  | 25.0                | 0.0      |  |
| Channel         |            |         |           | 5072.04               | 5189.98                  | 5269.98                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2536.02               | 2562.99                  | 2646.98                | (dBm)               | (dB)     |  |
| 80              | QPSK       | 1       | 1         | 23.28                 | 23.45                    | 23.44                  | 25.0                | 0.0      |  |
| Channel         |            |         |           | 5050.00               | 5189.98                  | 5319.96                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2525                  | 2562.99                  | 2651.98                | (dBm)               | (dB)     |  |
| 80              | QPSK       | 1       | 1         | 23.29                 | 23.45                    | 23.48                  | 25.0                | 0.0      |  |
| Channel         |            |         |           | 5050.04               | 5189.98                  | 5329.98                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2521.02               | 2562.99                  | 2664.98                | (dBm)               | (dB)     |  |
| 50              | QPSK       | 1       | 1         | 23.25                 | 23.48                    | 23.45                  | 25.0                | 0.0      |  |
| Channel         |            |         |           | 5232.02               | 5189.98                  | 5300.00                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2518.01               | 2562.99                  | 2670                   | (dBm)               | (dB)     |  |
| 40              | QPSK       | 1       | 1         | 23.26                 | 23.46                    | 23.51                  | 25.0                | 0.0      |  |
| Channel         |            |         |           | 5022.00               | 5189.98                  | 5349.98                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2511                  | 2562.99                  | 2674.98                | (dBm)               | (dB)     |  |
| 30              | QPSK       | 1       | 1         | 23.34                 | 23.46                    | 23.47                  | 25.0                | 0.0      |  |
| Channel         |            |         |           | 5012.04               | 5189.98                  | 5359.98                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2506.02               | 2562.99                  | 2679.98                | (dBm)               | (dB)     |  |
| 20              | QPSK       | 1       | 1         | 23.33                 | 23.53                    | 23.51                  | 25.0                | 0.0      |  |
| Channel         |            |         |           | 5007.00               | 5189.98                  | 5369.98                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2503.5                | 2562.99                  | 2682.48                | (dBm)               | (dB)     |  |
| 15              | QPSK       | 1       | 1         | 23.35                 | 23.52                    | 23.51                  | 25.0                | 0.0      |  |
| Channel         |            |         |           | 5002.02               | 5189.98                  | 5370.00                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2501.01               | 2562.99                  | 2685                   | (dBm)               | (dB)     |  |
| 10              | QPSK       | 1       | 1         | 23.26                 | 23.47                    | 23.52                  | 25.0                | 0.0      |  |

| n48 Ant 9       |            |         |           |                          |                             |                           |                        |             |  |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|-------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit          | MPR<br>(dB) |  |
| Channel         |            |         |           |                          |                             |                           |                        |             |  |
| Frequency (MHz) |            |         |           | 63600                    | 64166                       | 64632                     |                        |             |  |
| Frequency (MHz) |            |         |           | 3570                     | 3624.99                     | 3679.98                   |                        |             |  |
| 40              | Pi2 BPSK   | 1       | 1         | 23.31                    | 24.04                       | 23.58                     | 25.0                   | 0.0         |  |
| 40              | Pi2 BPSK   | 1       | 53        | 23.35                    | 24.03                       | 23.58                     |                        |             |  |
| 40              | Pi2 BPSK   | 1       | 104       | 23.32                    | 24.01                       | 23.52                     |                        |             |  |
| 40              | Pi2 BPSK   | 50      | 0         | 22.91                    | 23.57                       | 23.08                     | 24.5                   | 0.5         |  |
| 40              | Pi2 BPSK   | 50      | 28        | 23.37                    | 23.97                       | 23.57                     | 25.0                   | 0.0         |  |
| 40              | Pi2 BPSK   | 50      | 56        | 22.89                    | 23.58                       | 23.08                     | 24.5                   | 0.5         |  |
| 40              | Pi2 BPSK   | 100     | 0         | 22.93                    | 23.55                       | 23.06                     |                        |             |  |
| 40              | QPSK       | 1       | 1         | 23.40                    | 24.06                       | 23.61                     | 25.0                   | 0.0         |  |
| 40              | QPSK       | 1       | 53        | 23.36                    | 24.02                       | 23.58                     |                        |             |  |
| 40              | QPSK       | 1       | 104       | 23.34                    | 23.98                       | 23.53                     |                        |             |  |
| 40              | QPSK       | 50      | 0         | 22.39                    | 23.07                       | 22.58                     | 24.0                   | 1.0         |  |
| 40              | QPSK       | 50      | 28        | 23.31                    | 23.97                       | 23.56                     | 25.0                   | 0.0         |  |
| 40              | QPSK       | 50      | 56        | 22.39                    | 23.05                       | 22.63                     | 24.0                   | 1.0         |  |
| 40              | QPSK       | 100     | 0         | 22.38                    | 23.06                       | 22.58                     |                        |             |  |
| 40              | 16QAM      | 1       | 1         | 23.14                    | 23.25                       | 23.19                     | 24.0                   | 1.0         |  |
| 40              | 64QAM      | 1       | 1         | 21.56                    | 21.75                       | 21.70                     | 22.5                   | 2.5         |  |
| 40              | 256QAM     | 1       | 1         | 19.70                    | 19.77                       | 19.73                     | 20.5                   | 4.5         |  |
| Channel         |            |         |           |                          |                             |                           |                        |             |  |
| Frequency (MHz) |            |         |           | 3560.01                  | 3624.99                     | 3680                      | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| 20              | QPSK       | 1       | 1         | 23.33                    | 24.02                       | 23.53                     | 25.0                   | 0.0         |  |
| Channel         |            |         |           |                          |                             |                           |                        |             |  |
| Frequency (MHz) |            |         |           | 3567.52                  | 3624.99                     | 3682.48                   | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| 15              | QPSK       | 1       | 1         | 23.38                    | 24.02                       | 23.57                     | 25.0                   | 0.0         |  |
| Channel         |            |         |           |                          |                             |                           |                        |             |  |
| Frequency (MHz) |            |         |           | 3570.00                  | 3624.99                     | 3683.32                   | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| 10              | QPSK       | 1       | 1         | 23.34                    | 23.99                       | 23.55                     | 25.0                   | 0.0         |  |

| Par270 n77 HPUE Ant 9 |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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               |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)       |            |         |           | 6500.00               | 6560.00                  | 6620.00                |                     |          |  |
| Channel               |            |         |           | 3750                  | 3840                     | 3930                   |                     |          |  |
| 100                   | Pi2 BPSK   | 1       | 1         | 26.21                 | 26.38                    | 26.14                  | 27.0                | 0.0      |  |
| 100                   | Pi2 BPSK   | 1       | 137       | 26.18                 | 26.38                    | 26.18                  |                     |          |  |
| 100                   | Pi2 BPSK   | 1       | 271       | 26.13                 | 26.32                    | 26.23                  |                     |          |  |
| 100                   | Pi2 BPSK   | 136     | 0         | 25.72                 | 25.94                    | 25.81                  | 26.5                | 0.5      |  |
| 100                   | Pi2 BPSK   | 136     | 69        | 26.13                 | 26.31                    | 26.27                  | 27.0                | 0.0      |  |
| 100                   | Pi2 BPSK   | 136     | 136       | 25.77                 | 25.80                    | 25.84                  | 26.5                | 0.5      |  |
| 100                   | Pi2 BPSK   | 270     | 0         | 25.69                 | 25.89                    | 25.88                  |                     |          |  |
| 100                   | QPSK       | 1       | 1         | 26.29                 | 26.40                    | 26.31                  | 27.0                | 0.0      |  |
| 100                   | QPSK       | 1       | 137       | 26.22                 | 26.36                    | 26.28                  |                     |          |  |
| 100                   | QPSK       | 1       | 271       | 26.37                 | 26.36                    | 26.22                  |                     |          |  |
| 100                   | QPSK       | 136     | 0         | 25.18                 | 25.39                    | 25.36                  | 26.0                | 1.0      |  |
| 100                   | QPSK       | 136     | 69        | 26.14                 | 26.30                    | 26.26                  | 27.0                | 0.0      |  |
| 100                   | QPSK       | 136     | 136       | 25.13                 | 25.40                    | 25.37                  | 26.0                | 1.0      |  |
| 100                   | QPSK       | 270     | 0         | 25.27                 | 25.30                    | 25.27                  |                     |          |  |
| 100                   | 16QAM      | 1       | 1         | 25.23                 | 25.40                    | 25.28                  | 26.0                | 1.0      |  |
| 100                   | 64QAM      | 1       | 1         | 23.18                 | 23.18                    | 23.10                  | 24.5                | 2.5      |  |
| 100                   | 256QAM     | 1       | 1         | 21.38                 | 21.44                    | 21.38                  | 22.5                | 4.5      |  |
| Channel               |            |         |           | 6499.96               | 6500.00                  | 6625.04                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3745.02               | 3840                     | 3935.01                | (dBm)               | (dB)     |  |
| 80                    | QPSK       | 1       | 1         | 26.31                 | 26.31                    | 26.20                  | 27.0                | 0.0      |  |
| Channel               |            |         |           | 6492.94               | 6500.00                  | 6626.93                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3740.01               | 3840                     | 3940.02                | (dBm)               | (dB)     |  |
| 80                    | QPSK       | 1       | 1         | 26.25                 | 26.33                    | 26.22                  | 27.0                | 0.0      |  |
| Channel               |            |         |           | 6490.00               | 6500.00                  | 6630.00                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3735                  | 3840                     | 3945                   | (dBm)               | (dB)     |  |
| 70                    | QPSK       | 1       | 1         | 26.29                 | 26.28                    | 26.27                  | 27.0                | 0.0      |  |
| Channel               |            |         |           | 6486.68               | 6500.00                  | 6633.34                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3730.02               | 3840                     | 3950.01                | (dBm)               | (dB)     |  |
| 60                    | QPSK       | 1       | 1         | 26.31                 | 26.28                    | 26.25                  | 27.0                | 0.0      |  |
| Channel               |            |         |           | 6483.34               | 6500.00                  | 6636.66                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3725.01               | 3840                     | 3955.02                | (dBm)               | (dB)     |  |
| 50                    | QPSK       | 1       | 1         | 26.22                 | 26.31                    | 26.21                  | 27.0                | 0.0      |  |
| Channel               |            |         |           | 6480.00               | 6500.00                  | 6640.00                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3720                  | 3840                     | 3960                   | (dBm)               | (dB)     |  |
| 40                    | QPSK       | 1       | 1         | 26.22                 | 26.27                    | 26.29                  | 27.0                | 0.0      |  |
| Channel               |            |         |           | 6476.66               | 6500.00                  | 6643.34                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3715.02               | 3840                     | 3965.01                | (dBm)               | (dB)     |  |
| 30                    | QPSK       | 1       | 1         | 26.24                 | 26.28                    | 26.19                  | 27.0                | 0.0      |  |
| Channel               |            |         |           | 6474.90               | 6500.00                  | 6645.00                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3712.5                | 3840                     | 3967.5                 | (dBm)               | (dB)     |  |
| 25                    | QPSK       | 1       | 1         | 26.25                 | 26.31                    | 26.28                  | 27.0                | 0.0      |  |
| Channel               |            |         |           | 6473.24               | 6500.00                  | 6646.76                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3710.01               | 3840                     | 3970.02                | (dBm)               | (dB)     |  |
| 20                    | QPSK       | 1       | 1         | 26.26                 | 26.24                    | 26.28                  | 27.0                | 0.0      |  |
| Channel               |            |         |           | 6471.58               | 6500.00                  | 6648.42                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3707.52               | 3840                     | 3972.51                | (dBm)               | (dB)     |  |
| 15                    | QPSK       | 1       | 1         | 26.30                 | 26.29                    | 26.24                  | 27.0                | 0.0      |  |
| Channel               |            |         |           | 6470.00               | 6500.00                  | 6650.00                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3705                  | 3840                     | 3975                   | (dBm)               | (dB)     |  |
| 10                    | QPSK       | 1       | 1         | 26.25                 | 26.30                    | 26.27                  | 27.0                | 0.0      |  |



## Reduced Power Mode for Sensor on

| n2 Ant 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         |            |         |           | 372000                | 376000                   | 380000                 | 19.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 17.82                 | 18.00                    | 17.85                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 53        | 17.86                 | 17.96                    | 17.94                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 104       | 17.80                 | 17.95                    | 17.94                  | 19.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 0         | 17.90                 | 17.94                    | 17.98                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 28        | 17.89                 | 17.87                    | 17.87                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 56        | 17.79                 | 17.87                    | 17.94                  |                     |          |  |
| 20              | PI/2 BPSK  | 100     | 0         | 17.81                 | 17.93                    | 17.91                  | 19.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 17.98                 | 18.02                    | 18.01                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 17.86                 | 17.97                    | 17.80                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 17.88                 | 17.99                    | 17.90                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 17.88                 | 17.93                    | 17.83                  | 19.0                | 0.0      |  |
| 20              | QPSK       | 50      | 28        | 17.76                 | 17.98                    | 17.88                  |                     |          |  |
| 20              | QPSK       | 50      | 56        | 17.84                 | 17.89                    | 17.97                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 17.91                 | 17.94                    | 18.00                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 17.87                 | 17.95                    | 17.88                  | 19.0                | 0.0      |  |
| 20              | 64QAM      | 1       | 1         | 17.92                 | 17.89                    | 17.90                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 17.89                 | 18.00                    | 17.91                  |                     |          |  |
| Channel         |            |         |           | 371500                | 376000                   | 380500                 |                     | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 17.81                 | 17.90                    | 18.00                  | 19.0                | 0.0      |  |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1855                  | 1880                     | 1905                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 17.81                 | 17.94                    | 17.90                  |                     | MPR (dB) |  |
| Channel         |            |         |           | 370500                | 376000                   | 381500                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1852.5                | 1880                     | 1907.5                 |                     |          |  |
| 5               | QPSK       | 1       | 1         | 17.85                 | 17.83                    | 17.95                  |                     | 0.0      |  |

| n5 Ant 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         |            |         |           | 166800                | 167300                   | 167800                 | 23.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 22.37                 | 22.41                    | 22.35                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 53        | 22.37                 | 22.46                    | 22.36                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 104       | 22.33                 | 22.37                    | 22.35                  | 23.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.44                 | 22.40                    | 22.35                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 28        | 22.42                 | 22.50                    | 22.35                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 56        | 22.39                 | 22.35                    | 22.37                  |                     |          |  |
| 20              | PI/2 BPSK  | 100     | 0         | 22.32                 | 22.48                    | 22.44                  | 23.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.54                 | 22.59                    | 22.53                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 22.38                 | 22.40                    | 22.36                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.26                 | 22.49                    | 22.42                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 22.39                 | 22.52                    | 22.37                  | 23.0                | 0.0      |  |
| 20              | QPSK       | 50      | 28        | 22.44                 | 22.54                    | 22.43                  |                     |          |  |
| 20              | QPSK       | 50      | 56        | 22.37                 | 22.41                    | 22.31                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 22.46                 | 22.49                    | 22.48                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 22.39                 | 22.54                    | 22.34                  | 23.0                | 0.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.88                 | 20.95                    | 20.96                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 18.97                 | 19.07                    | 18.92                  |                     |          |  |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 |                     | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |          |  |
| 15              | QPSK       | 1       | 40        | 22.50                 | 22.65                    | 22.47                  | 23.0                | 0.0      |  |
| Channel         |            |         |           | 165800                | 167300                   | 168800                 |                     |          |  |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    |                     |          |  |
| 10              | QPSK       | 1       | 26        | 22.54                 | 22.57                    | 22.50                  |                     | MPR (dB) |  |
| Channel         |            |         |           | 165300                | 167300                   | 169300                 |                     |          |  |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  |                     |          |  |
| 5               | QPSK       | 1       | 13        | 22.47                 | 22.56                    | 22.47                  |                     | 23.0     |  |

| n7 Ant 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         |            |         |           | 504000                | 507000                   | 510000                 | 15.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 1         | 14.38                 | 14.51                    | 14.43                  |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 108       | 14.48                 | 14.56                    | 14.44                  | 15.0                | 0.0      |  |
| 40              | PI/2 BPSK  | 1       | 214       | 14.47                 | 14.51                    | 14.54                  |                     |          |  |
| 40              | PI/2 BPSK  | 108     | 0         | 14.47                 | 14.58                    | 14.46                  |                     |          |  |
| 40              | PI/2 BPSK  | 108     | 54        | 14.48                 | 14.53                    | 14.47                  | 15.0                | 0.0      |  |
| 40              | PI/2 BPSK  | 108     | 108       | 14.39                 | 14.50                    | 14.52                  |                     |          |  |
| 40              | PI/2 BPSK  | 216     | 0         | 14.41                 | 14.50                    | 14.53                  |                     |          |  |
| 40              | QPSK       | 1       | 1         | 14.52                 | 14.61                    | 14.57                  | 15.0                | 0.0      |  |
| 40              | QPSK       | 1       | 108       | 14.38                 | 14.58                    | 14.52                  |                     |          |  |
| 40              | QPSK       | 1       | 214       | 14.40                 | 14.52                    | 14.47                  |                     |          |  |
| 40              | QPSK       | 108     | 0         | 14.48                 | 14.48                    | 14.48                  | 15.0                | 0.0      |  |
| 40              | QPSK       | 108     | 54        | 14.49                 | 14.59                    | 14.45                  |                     |          |  |
| 40              | QPSK       | 108     | 108       | 14.49                 | 14.51                    | 14.46                  |                     |          |  |
| 40              | QPSK       | 216     | 0         | 14.49                 | 14.56                    | 14.52                  | 15.0                | 0.0      |  |
| 40              | 16QAM      | 1       | 1         | 14.44                 | 14.47                    | 14.48                  |                     |          |  |
| 40              | 64QAM      | 1       | 1         | 14.42                 | 14.57                    | 14.51                  |                     |          |  |
| 40              | 256QAM     | 1       | 1         | 14.44                 | 14.50                    | 14.53                  | 15.0                | 0.0      |  |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | 15.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |          |  |
| 30              | QPSK       | 1       | 1         | 14.40                 | 14.57                    | 14.52                  |                     | 0.0      |  |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | 15.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |          |  |
| 25              | QPSK       | 1       | 1         | 14.34                 | 14.53                    | 14.51                  |                     | 0.0      |  |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | 15.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20              | QPSK       | 1       | 1         | 14.38                 | 14.58                    | 14.48                  |                     | 0.0      |  |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | 15.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 14.32                 | 14.51                    | 14.45                  |                     | 0.0      |  |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | 15.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 14.38                 | 14.53                    | 14.52                  |                     | 0.0      |  |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | 15.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |
| 5               | QPSK       | 1       | 1         | 14.39                 | 14.55                    | 14.51                  |                     | 0.0      |  |

| n12 Ant 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         |            |         |           | 141300                | 141500                   | 141700                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 706.5                 | 707.5                    | 708.5                  |                     |          |  |
| 15              | PI/2 BPSK  | 1       | 1         | 23.10                 | 23.10                    | 22.97                  |                     |          |  |
| 15              | PI/2 BPSK  | 1       | 40        | 22.93                 | 22.91                    | 22.94                  | 23.5                | 0.5      |  |
| 15              | PI/2 BPSK  | 1       | 77        | 22.88                 | 22.88                    | 22.87                  |                     |          |  |
| 15              | PI/2 BPSK  | 36      | 0         | 22.70                 | 22.68                    | 22.68                  |                     |          |  |
| 15              | PI/2 BPSK  | 36      | 22        | 23.05                 | 23.13                    | 23.00                  | 23.5                | 0.5      |  |
| 15              | PI/2 BPSK  | 36      | 43        | 22.73                 | 22.73                    | 22.68                  |                     |          |  |
| 15              | PI/2 BPSK  | 75      | 0         | 22.58                 | 22.77                    | 22.59                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 23.15                 | 23.18                    | 23.14                  | 24.0                | 0.0      |  |
| 15              | QPSK       | 1       | 40        | 23.14                 | 23.05                    | 23.02                  |                     |          |  |
| 15              | QPSK       | 1       | 77        | 23.10                 | 23.12                    | 22.98                  |                     |          |  |
| 15              | QPSK       | 36      | 0         | 22.15                 | 22.22                    | 22.20                  | 23.0                | 1.0      |  |
| 15              | QPSK       | 36      | 22        | 23.11                 | 23.17                    | 22.96                  |                     |          |  |
| 15              | QPSK       | 36      | 43        | 22.13                 | 22.13                    | 22.16                  |                     |          |  |
| 15              | QPSK       | 75      | 0         | 22.09                 | 22.21                    | 22.06                  | 23.0                | 1.0      |  |
| 15              | 16QAM      | 1       | 1         | 22.12                 | 22.12                    | 22.13                  |                     |          |  |
| 15              | 64QAM      | 1       | 1         | 20.57                 | 20.74                    | 20.68                  |                     | 21.5     |  |
| 15              | 256QAM     | 1       | 1         | 18.64                 | 18.66                    | 18.69                  | 19.5                | 4.5      |  |
| Channel         |            |         |           | 140800                | 141500                   | 142200                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 704                   | 707.5                    | 711                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 23.16                 | 23.13                    | 22.99                  |                     | 0.0      |  |
| Channel         |            |         |           | 140300                | 141500                   | 142700                 | 24.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 701.5                 | 707.5                    | 713.5                  |                     |          |  |
| 5               | QPSK       | 1       | 1         | 23.11                 | 23.08                    | 22.99                  |                     | 0.0      |  |

| n13 Ant 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         |            |         |           | 156400                |                          |                        | 23.0                | 0.0      |
| Frequency (MHz) |            |         |           | 782                   |                          |                        |                     |          |
| 10              | PI/2 BPSK  | 1       | 1         |                       | 22.14                    |                        | 23.0                | 0.0      |
| 10              | PI/2 BPSK  | 1       | 26        |                       | 22.13                    |                        |                     |          |
| 10              | PI/2 BPSK  | 1       | 50        |                       | 22.08                    |                        |                     |          |
| 10              | PI/2 BPSK  | 25      | 0         |                       | 22.14                    |                        | 23.0                | 0.0      |
| 10              | PI/2 BPSK  | 25      | 14        |                       | 22.11                    |                        | 23.0                | 0.0      |
| 10              | PI/2 BPSK  | 25      | 27        |                       | 22.13                    |                        | 23.0                | 0.0      |
| 10              | PI/2 BPSK  | 50      | 0         |                       | 22.18                    |                        |                     |          |
| 10              | QPSK       | 1       | 1         |                       | 22.25                    |                        | 23.0                | 0.0      |
| 10              | QPSK       | 1       | 26        |                       | 22.13                    |                        |                     |          |
| 10              | QPSK       | 1       | 50        |                       | 22.15                    |                        |                     |          |
| 10              | QPSK       | 25      | 0         |                       | 22.18                    |                        | 23.0                | 0.0      |
| 10              | QPSK       | 25      | 14        |                       | 22.23                    |                        | 23.0                | 0.0      |
| 10              | QPSK       | 25      | 27        |                       | 22.07                    |                        | 23.0                | 0.0      |
| 10              | QPSK       | 50      | 0         |                       | 22.21                    |                        |                     |          |
| 10              | 16QAM      | 1       | 1         |                       | 22.12                    |                        | 23.0                | 0.0      |
| 10              | 64QAM      | 1       | 1         |                       | 21.85                    |                        | 22.5                | 0.5      |
| 10              | 256QAM     | 1       | 1         |                       | 19.76                    |                        | 20.5                | 2.5      |
| Channel         |            |         |           | 155900                | 156400                   | 156900                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 779.5                 | 782                      | 784.5                  |                     |          |
| 5               | QPSK       | 1       | 1         | 22.10                 | 22.14                    | 22.12                  | 23.0                | 0.0      |

| n14 Ant 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         |            |         |           | 158600                |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 793                   |                          |                        |                     |          |
| 10              | PI/2 BPSK  | 1       | 1         |                       | 22.89                    |                        | 24.0                | 0.0      |
| 10              | PI/2 BPSK  | 1       | 26        |                       | 22.83                    |                        |                     |          |
| 10              | PI/2 BPSK  | 1       | 50        |                       | 22.89                    |                        |                     |          |
| 10              | PI/2 BPSK  | 25      | 0         |                       | 22.85                    |                        | 24.0                | 0.0      |
| 10              | PI/2 BPSK  | 25      | 14        |                       | 22.84                    |                        | 24.0                | 0.0      |
| 10              | PI/2 BPSK  | 25      | 27        |                       | 22.78                    |                        | 24.0                | 0.0      |
| 10              | PI/2 BPSK  | 50      | 0         |                       | 22.81                    |                        |                     |          |
| 10              | QPSK       | 1       | 1         |                       | 22.96                    |                        | 24.0                | 0.0      |
| 10              | QPSK       | 1       | 26        |                       | 22.79                    |                        |                     |          |
| 10              | QPSK       | 1       | 50        |                       | 22.78                    |                        |                     |          |
| 10              | QPSK       | 25      | 0         |                       | 22.81                    |                        | 24.0                | 0.0      |
| 10              | QPSK       | 25      | 14        |                       | 22.94                    |                        | 24.0                | 0.0      |
| 10              | QPSK       | 25      | 27        |                       | 22.80                    |                        | 24.0                | 0.0      |
| 10              | QPSK       | 50      | 0         |                       | 22.92                    |                        |                     |          |
| 10              | 16QAM      | 1       | 1         |                       | 22.83                    |                        | 24.0                | 0.0      |
| 10              | 64QAM      | 1       | 1         |                       | 21.39                    |                        | 22.5                | 1.5      |
| 10              | 256QAM     | 1       | 1         |                       | 19.42                    |                        | 20.5                | 3.5      |
| Channel         |            |         |           | 158100                | 158600                   | 159100                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 790.5                 | 793                      | 795.5                  |                     |          |
| 5               | QPSK       | 1       | 1         | 22.87                 | 22.89                    | 22.82                  | 24.0                | 0.0      |

| n25 Ant 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         |            |         |           | 374000                | 376500                   | 379000                 | 19.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1870                  | 1882.5                   | 1895                   |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 1         | 17.87                 | 18.03                    | 17.93                  |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 108       | 17.94                 | 17.96                    | 17.99                  |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 214       | 17.90                 | 17.96                    | 17.98                  | 19.0                | 0.0      |  |
| 40              | PI/2 BPSK  | 108     | 0         | 17.98                 | 18.05                    | 18.00                  |                     |          |  |
| 40              | PI/2 BPSK  | 108     | 54        | 17.89                 | 17.95                    | 17.90                  |                     |          |  |
| 40              | PI/2 BPSK  | 108     | 108       | 17.89                 | 17.94                    | 17.97                  |                     |          |  |
| 40              | PI/2 BPSK  | 216     | 0         | 17.89                 | 17.94                    | 18.00                  | 19.0                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 17.99                 | 18.08                    | 18.02                  |                     |          |  |
| 40              | QPSK       | 1       | 108       | 17.89                 | 18.00                    | 17.91                  |                     |          |  |
| 40              | QPSK       | 1       | 214       | 17.98                 | 18.01                    | 17.90                  |                     |          |  |
| 40              | QPSK       | 108     | 0         | 17.91                 | 17.95                    | 17.90                  | 19.0                | 0.0      |  |
| 40              | QPSK       | 108     | 54        | 17.88                 | 18.07                    | 17.92                  |                     |          |  |
| 40              | QPSK       | 108     | 108       | 17.90                 | 17.98                    | 18.01                  |                     |          |  |
| 40              | QPSK       | 216     | 0         | 17.98                 | 18.05                    | 18.01                  |                     |          |  |
| 40              | 16QAM      | 1       | 1         | 17.98                 | 17.98                    | 17.97                  | 19.0                | 0.0      |  |
| 40              | 64QAM      | 1       | 1         | 17.94                 | 17.96                    | 17.93                  |                     |          |  |
| 40              | 256QAM     | 1       | 1         | 17.92                 | 18.01                    | 17.93                  |                     |          |  |
| Channel         |            |         |           | 373000                | 376500                   | 380000                 | 19.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1865                  | 1882.5                   | 1900                   |                     |          |  |
| 30              | QPSK       | 1       | 1         | 17.90                 | 17.93                    | 17.99                  |                     |          |  |
| Channel         |            |         |           | 372500                | 376500                   | 380500                 | 19.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1862.5                | 1882.5                   | 1902.5                 |                     |          |  |
| 25              | QPSK       | 1       | 1         | 17.90                 | 17.90                    | 17.95                  |                     |          |  |
| Channel         |            |         |           | 372000                | 376500                   | 381000                 | 19.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1860                  | 1882.5                   | 1905                   |                     |          |  |
| 20              | QPSK       | 1       | 1         | 17.84                 | 17.91                    | 17.94                  |                     | 19.0     |  |
| Channel         |            |         |           | 371500                | 376500                   | 381500                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1857.5                | 1882.5                   | 1907.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 17.83                 | 17.85                    | 17.88                  |                     |          |  |
| Channel         |            |         |           | 371000                | 376500                   | 382000                 | 19.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1855                  | 1882.5                   | 1910                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 17.86                 | 17.90                    | 17.90                  |                     | 19.0     |  |
| Channel         |            |         |           | 370500                | 376500                   | 382500                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1852.5                | 1882.5                   | 1912.5                 |                     |          |  |
| 5               | QPSK       | 1       | 1         | 17.87                 | 17.90                    | 17.94                  |                     |          |  |

| n26 Ant 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         |            |         |           | 164800                | 166300                   | 167800                 | 23.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 824                   | 831.5                    | 839                    |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 22.47                 | 22.43                    | 22.48                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 53        | 22.45                 | 22.45                    | 22.53                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 104       | 22.43                 | 22.45                    | 22.48                  | 23.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.48                 | 22.41                    | 22.47                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 28        | 22.46                 | 22.43                    | 22.56                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 56        | 22.44                 | 22.48                    | 22.45                  |                     |          |  |
| 20              | PI/2 BPSK  | 100     | 0         | 22.43                 | 22.46                    | 22.48                  | 23.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 22.61                 | 22.58                    | 22.65                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 22.45                 | 22.40                    | 22.48                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 22.37                 | 22.45                    | 22.53                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 22.46                 | 22.44                    | 22.53                  | 23.0                | 0.0      |  |
| 20              | QPSK       | 50      | 28        | 22.52                 | 22.50                    | 22.80                  |                     |          |  |
| 20              | QPSK       | 50      | 56        | 22.44                 | 22.40                    | 22.51                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 22.51                 | 22.51                    | 22.59                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 22.47                 | 22.44                    | 22.57                  | 23.0                | 0.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.96                 | 20.97                    | 20.99                  |                     |          |  |
| 20              | 256QAM     | 1       | 1         | 18.97                 | 18.98                    | 19.07                  |                     |          |  |
| Channel         |            |         |           | 164300                | 166300                   | 168300                 | 23.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 821.5                 | 831.5                    | 841.5                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.48                 | 22.37                    | 22.46                  |                     |          |  |
| Channel         |            |         |           | 163800                | 166300                   | 168800                 | 23.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 819                   | 831.5                    | 844                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.39                 | 22.48                    | 22.50                  |                     |          |  |
| Channel         |            |         |           | 163300                | 166300                   | 169300                 | 23.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 816.5                 | 831.5                    | 846.5                  |                     |          |  |
| 5               | QPSK       | 1       | 1         | 22.45                 | 22.45                    | 22.47                  |                     |          |  |

| n66 Ant 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         |            |         |           | 346000                | 349000                   | 352000                 | 20.5                | 0.0      |  |
| Frequency (MHz) |            |         |           | 1730                  | 1745                     | 1760                   |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 1         | 19.20                 | 19.27                    | 19.22                  |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 108       | 19.19                 | 19.31                    | 19.21                  | 20.5                | 0.0      |  |
| 40              | PI/2 BPSK  | 1       | 214       | 19.13                 | 19.22                    | 19.25                  |                     |          |  |
| 40              | PI/2 BPSK  | 108     | 0         | 19.13                 | 19.22                    | 19.25                  |                     |          |  |
| 40              | PI/2 BPSK  | 108     | 54        | 19.13                 | 19.24                    | 19.23                  | 20.5                | 0.0      |  |
| 40              | PI/2 BPSK  | 108     | 108       | 19.15                 | 19.26                    | 19.22                  |                     |          |  |
| 40              | PI/2 BPSK  | 216     | 0         | 19.16                 | 19.21                    | 19.18                  |                     |          |  |
| 40              | QPSK       | 1       | 1         | 19.35                 | 19.38                    | 19.33                  | 20.5                | 0.0      |  |
| 40              | QPSK       | 1       | 108       | 19.17                 | 19.31                    | 19.16                  |                     |          |  |
| 40              | QPSK       | 1       | 214       | 19.19                 | 19.21                    | 19.17                  |                     |          |  |
| 40              | QPSK       | 108     | 0         | 19.20                 | 19.29                    | 19.25                  | 20.5                | 0.0      |  |
| 40              | QPSK       | 108     | 54        | 19.32                 | 19.36                    | 19.27                  |                     |          |  |
| 40              | QPSK       | 108     | 108       | 19.20                 | 19.26                    | 19.16                  |                     |          |  |
| 40              | QPSK       | 216     | 0         | 19.25                 | 19.34                    | 19.29                  | 20.5                | 0.0      |  |
| 40              | 16QAM      | 1       | 1         | 19.20                 | 19.28                    | 19.22                  |                     |          |  |
| 40              | 64QAM      | 1       | 1         | 19.16                 | 19.30                    | 19.21                  |                     | 20.5     |  |
| 40              | 256QAM     | 1       | 1         | 19.12                 | 19.28                    | 19.18                  |                     |          |  |
| Channel         |            |         |           | 345000                | 349000                   | 353000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1725                  | 1745                     | 1765                   |                     |          |  |
| 30              | QPSK       | 1       | 1         | 19.11                 | 19.32                    | 19.25                  | 20.5                | 0.0      |  |
| Channel         |            |         |           | 344000                | 349000                   | 354000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   | Tune-up limit (dBm) | MPR (dB) |  |
| 20              | QPSK       | 1       | 1         | 19.03                 | 19.30                    | 19.19                  |                     | 20.5     |  |
| Channel         |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 19.02                 | 19.33                    | 19.17                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 343000                | 349000                   | 355000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   | Tune-up limit (dBm) | MPR (dB) |  |
| 10              | QPSK       | 1       | 1         | 19.07                 | 19.24                    | 19.15                  |                     | 20.5     |  |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |          |  |
| 5               | QPSK       | 1       | 1         | 19.11                 | 19.32                    | 19.18                  | 20.5                | 0.0      |  |
| Channel         |            |         |           | 342000                | 349000                   | 356000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1710                  | 1745                     | 1780                   |                     |          |  |

| n71 Ant 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         |            |         |           | 134600                | 136100                   | 137600                 | 25.0                | 0.0      |  |
| Frequency (MHz) |            |         |           | 673                   | 680.5                    | 688                    |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 24.26                 | 24.40                    | 24.35                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 53        | 24.17                 | 24.28                    | 24.16                  | 25.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 104       | 24.30                 | 24.33                    | 24.32                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 23.98                 | 23.99                    | 24.01                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 28        | 24.34                 | 24.27                    | 24.29                  | 24.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 50      | 56        | 23.90                 | 23.94                    | 23.89                  |                     |          |  |
| 20              | PI/2 BPSK  | 100     | 0         | 23.90                 | 23.89                    | 23.91                  |                     |          |  |
| 20              | QPSK       | 1       | 1         | 24.43                 | 24.44                    | 24.38                  | 25.0                | 0.0      |  |
| 20              | QPSK       | 1       | 53        | 24.29                 | 24.36                    | 24.32                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 24.35                 | 24.41                    | 24.34                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 23.38                 | 23.46                    | 23.46                  | 24.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 24.29                 | 24.36                    | 24.28                  |                     |          |  |
| 20              | QPSK       | 50      | 56        | 23.39                 | 23.45                    | 23.50                  |                     |          |  |
| 20              | QPSK       | 100     | 0         | 23.40                 | 23.54                    | 23.47                  | 24.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 23.40                 | 23.38                    | 23.38                  |                     |          |  |
| 20              | 64QAM      | 1       | 1         | 21.89                 | 22.01                    | 21.87                  |                     | 22.5     |  |
| 20              | 256QAM     | 1       | 1         | 19.90                 | 19.98                    | 19.93                  |                     |          |  |
| Channel         |            |         |           | 134100                | 136100                   | 138100                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 670.5                 | 680.5                    | 690.5                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 24.28                 | 24.38                    | 24.26                  | 25.0                | 0.0      |  |
| Channel         |            |         |           | 133600                | 136100                   | 138600                 |                     |          |  |
| Frequency (MHz) |            |         |           | 668                   | 680.5                    | 693                    | Tune-up limit (dBm) | MPR (dB) |  |
| 10              | QPSK       | 1       | 1         | 24.32                 | 24.42                    | 24.30                  |                     | 25.0     |  |
| Channel         |            |         |           | 133100                | 136100                   | 139100                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 665.5                 | 680.5                    | 695.5                  |                     |          |  |
| 5               | QPSK       | 1       | 1         | 24.26                 | 24.39                    | 24.25                  | 25.0                | 0.0      |  |
| Channel         |            |         |           | 132600                | 136100                   | 139600                 |                     |          |  |
| Frequency (MHz) |            |         |           | 663                   | 680.5                    | 698                    |                     |          |  |

| n38 Ant 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         |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |
| 40              | Pi2 BPSK   | 1       | 1         | 22.80                 | 22.76                    | 22.75                  | 23.5                | 0.0      |  |
| 40              | Pi2 BPSK   | 1       | 53        | 22.78                 | 22.70                    | 22.73                  |                     |          |  |
| 40              | Pi2 BPSK   | 1       | 104       | 22.86                 | 22.71                    | 22.75                  |                     |          |  |
| 40              | Pi2 BPSK   | 50      | 0         | 22.71                 | 22.72                    | 22.87                  | 23.5                | 0.0      |  |
| 40              | Pi2 BPSK   | 50      | 28        | 22.83                 | 22.72                    | 22.76                  | 23.5                | 0.0      |  |
| 40              | Pi2 BPSK   | 50      | 56        | 22.85                 | 22.81                    | 22.74                  | 23.5                | 0.0      |  |
| 40              | Pi2 BPSK   | 100     | 0         | 22.74                 | 22.78                    | 22.72                  | 23.5                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 22.85                 | 22.98                    | 22.91                  | 23.5                | 0.0      |  |
| 40              | QPSK       | 1       | 53        | 22.80                 | 22.76                    | 22.75                  |                     |          |  |
| 40              | QPSK       | 1       | 104       | 22.73                 | 22.79                    | 22.81                  |                     |          |  |
| 40              | QPSK       | 50      | 0         | 22.75                 | 22.83                    | 22.78                  | 23.5                | 0.0      |  |
| 40              | QPSK       | 50      | 28        | 22.73                 | 22.93                    | 22.85                  | 23.5                | 0.0      |  |
| 40              | QPSK       | 50      | 56        | 22.84                 | 22.84                    | 22.74                  | 23.5                | 0.0      |  |
| 40              | QPSK       | 100     | 0         | 22.74                 | 22.91                    | 22.87                  | 23.5                | 0.0      |  |
| 40              | 16QAM      | 1       | 1         | 22.78                 | 22.81                    | 22.80                  | 23.5                | 0.0      |  |
| 40              | 64QAM      | 1       | 1         | 21.75                 | 21.76                    | 21.78                  | 22.5                | 1.0      |  |
| 40              | 256QAM     | 1       | 1         | 19.73                 | 19.75                    | 19.68                  | 20.5                | 3.0      |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |
| 30              | QPSK       | 1       | 1         | 22.74                 | 22.88                    | 22.80                  | 23.5                | 0.0      |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |
| 20              | QPSK       | 1       | 1         | 22.68                 | 22.84                    | 22.72                  | 23.5                | 0.0      |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |
| 16              | QPSK       | 1       | 1         | 22.69                 | 22.89                    | 22.78                  | 23.5                | 0.0      |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.67                 | 22.87                    | 22.72                  | 23.5                | 0.0      |  |

| n41 HPUE Ant 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         |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |
|                 |            |         |           | 2646.01               | 2592.59                  | 2643                   |                     |          |  |
| 100             | Pi2 BPSK   | 1       | 1         | 22.87                 | 22.85                    | 22.89                  | 23.5                | 0.0      |  |
| 100             | Pi2 BPSK   | 1       | 137       | 22.87                 | 22.85                    | 22.86                  |                     |          |  |
| 100             | Pi2 BPSK   | 1       | 271       | 22.81                 | 22.87                    | 22.91                  |                     |          |  |
| 100             | Pi2 BPSK   | 135     | 0         | 22.80                 | 22.87                    | 22.83                  | 23.5                | 0.0      |  |
| 100             | Pi2 BPSK   | 135     | 69        | 22.76                 | 22.85                    | 22.84                  | 23.5                | 0.0      |  |
| 100             | Pi2 BPSK   | 135     | 138       | 22.78                 | 22.87                    | 22.84                  | 23.5                | 0.0      |  |
| 100             | Pi2 BPSK   | 270     | 0         | 22.84                 | 22.93                    | 22.88                  | 23.5                | 0.0      |  |
| 100             | QPSK       | 1       | 1         | 22.90                 | 23.01                    | 22.97                  | 23.5                | 0.0      |  |
| 100             | QPSK       | 1       | 137       | 22.87                 | 22.91                    | 22.90                  |                     |          |  |
| 100             | QPSK       | 1       | 271       | 22.85                 | 22.88                    | 22.88                  |                     |          |  |
| 100             | QPSK       | 135     | 0         | 22.78                 | 22.90                    | 22.86                  | 23.5                | 0.0      |  |
| 100             | QPSK       | 135     | 69        | 22.82                 | 22.96                    | 22.98                  | 23.5                | 0.0      |  |
| 100             | QPSK       | 135     | 138       | 22.79                 | 22.94                    | 22.89                  | 23.5                | 0.0      |  |
| 100             | QPSK       | 270     | 0         | 22.87                 | 22.94                    | 22.93                  | 23.5                | 0.0      |  |
| 100             | 16QAM      | 1       | 1         | 22.85                 | 22.88                    | 22.91                  | 23.5                | 0.0      |  |
| 100             | 64QAM      | 1       | 1         | 22.82                 | 22.88                    | 22.87                  | 23.5                | 0.0      |  |
| 100             | 256QAM     | 1       | 1         | 22.82                 | 22.84                    | 22.83                  | 23.5                | 0.0      |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |
|                 |            |         |           | 508200                | 518598                   | 528996                 | Tune-up limit (dBm) | MPR (dB) |  |
| 90              | QPSK       | 1       | 1         | 22.81                 | 22.82                    | 22.83                  | 23.5                | 0.0      |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |
|                 |            |         |           | 2636.02               | 2592.59                  | 2649.99                | Tune-up limit (dBm) | MPR (dB) |  |
| 80              | QPSK       | 1       | 1         | 22.79                 | 22.78                    | 22.86                  | 23.5                | 0.0      |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |
|                 |            |         |           | 2200                  | 2592.59                  | 2605.98                | Tune-up limit (dBm) | MPR (dB) |  |
| 60              | QPSK       | 1       | 1         | 22.74                 | 22.80                    | 22.83                  | 23.5                | 0.0      |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |
|                 |            |         |           | 504204                | 518598                   | 530998                 | Tune-up limit (dBm) | MPR (dB) |  |
| 50              | QPSK       | 1       | 1         | 22.78                 | 22.77                    | 22.83                  | 23.5                | 0.0      |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |
|                 |            |         |           | 503202                | 518598                   | 534000                 | Tune-up limit (dBm) | MPR (dB) |  |
| 40              | QPSK       | 1       | 1         | 22.78                 | 22.77                    | 22.83                  | 23.5                | 0.0      |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |
|                 |            |         |           | 502200                | 518598                   | 534996                 | Tune-up limit (dBm) | MPR (dB) |  |
| 30              | QPSK       | 1       | 1         | 22.74                 | 22.81                    | 22.87                  | 23.5                | 0.0      |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |
|                 |            |         |           | 501204                | 518598                   | 535998                 | Tune-up limit (dBm) | MPR (dB) |  |
| 20              | QPSK       | 1       | 1         | 22.78                 | 22.83                    | 22.80                  | 23.5                | 0.0      |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |
|                 |            |         |           | 2303.5                | 2592.59                  | 2692.48                | Tune-up limit (dBm) | MPR (dB) |  |
| 15              | QPSK       | 1       | 1         | 22.75                 | 22.79                    | 22.80                  | 23.5                | 0.0      |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |
|                 |            |         |           | 500202                | 518598                   | 537000                 | Tune-up limit (dBm) | MPR (dB) |  |
| 10              | QPSK       | 1       | 1         | 22.76                 | 22.76                    | 22.88                  | 23.5                | 0.0      |  |

| Part270 n77 HPUE Ant 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                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 100                    | Pi2 BPSK   | 1       | 1         | 17.67                 | 17.72                    | 17.33                  | 18.0                | 0.0      |  |
| 100                    | Pi2 BPSK   | 1       | 137       | 17.70                 | 17.77                    | 17.33                  |                     |          |  |
| 100                    | Pi2 BPSK   | 1       | 271       | 17.68                 | 17.69                    | 17.30                  |                     |          |  |
| 100                    | Pi2 BPSK   | 135     | 0         | 17.72                 | 17.73                    | 17.37                  | 18.0                | 0.0      |  |
| 100                    | Pi2 BPSK   | 135     | 69        | 17.68                 | 17.71                    | 17.33                  | 18.0                | 0.0      |  |
| 100                    | Pi2 BPSK   | 135     | 138       | 17.67                 | 17.70                    | 17.36                  | 18.0                | 0.0      |  |
| 100                    | Pi2 BPSK   | 270     | 0         | 17.71                 | 17.70                    | 17.28                  | 18.0                | 0.0      |  |
| 100                    | QPSK       | 1       | 1         | 17.65                 | 17.81                    | 17.36                  | 18.0                | 0.0      |  |
| 100                    | QPSK       | 1       | 137       | 17.75                 | 17.68                    | 17.33                  |                     |          |  |
| 100                    | QPSK       | 1       | 271       | 17.75                 | 17.78                    | 17.28                  |                     |          |  |
| 100                    | QPSK       | 135     | 0         | 17.76                 | 17.70                    | 17.35                  | 18.0                | 0.0      |  |
| 100                    | QPSK       | 135     | 69        | 17.71                 | 17.79                    | 17.37                  | 18.0                | 0.0      |  |
| 100                    | QPSK       | 135     | 138       | 17.68                 | 17.70                    | 17.33                  | 18.0                | 0.0      |  |
| 100                    | QPSK       | 270     | 0         | 17.73                 | 17.78                    | 17.33                  | 18.0                | 0.0      |  |
| 100                    | 16QAM      | 1       | 1         | 17.76                 | 17.79                    | 17.27                  | 18.0                | 0.0      |  |
| 100                    | 64QAM      | 1       | 1         | 17.73                 | 17.68                    | 17.32                  | 18.0                | 0.0      |  |
| 100                    | 256QAM     | 1       | 1         | 17.69                 | 17.76                    | 17.32                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 90                     | QPSK       | 1       | 1         | 17.54                 | 17.73                    | 17.26                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 80                     | QPSK       | 1       | 1         | 17.48                 | 17.83                    | 17.26                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 70                     | QPSK       | 1       | 1         | 17.43                 | 17.73                    | 17.26                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 60                     | QPSK       | 1       | 1         | 17.45                 | 17.72                    | 17.23                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 50                     | QPSK       | 1       | 1         | 17.52                 | 17.70                    | 17.16                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 40                     | QPSK       | 1       | 1         | 17.45                 | 17.68                    | 17.15                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 30                     | QPSK       | 1       | 1         | 17.54                 | 17.69                    | 17.21                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 25                     | QPSK       | 1       | 1         | 17.49                 | 17.62                    | 17.25                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 20                     | QPSK       | 1       | 1         | 17.49                 | 17.66                    | 17.18                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 15                     | QPSK       | 1       | 1         | 17.47                 | 17.66                    | 17.19                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 10                     | QPSK       | 1       | 1         | 17.52                 | 17.67                    | 17.16                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 5                      | QPSK       | 1       | 1         | 17.57                 | 17.68                    | 17.15                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 17.62                 | 17.69                    | 17.14                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 17.67                 | 17.70                    | 17.13                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 17.72                 | 17.71                    | 17.12                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 17.77                 | 17.70                    | 17.11                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 17.82                 | 17.69                    | 17.10                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 17.87                 | 17.68                    | 17.09                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 17.92                 | 17.67                    | 17.08                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 17.97                 | 17.66                    | 17.07                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 18.02                 | 17.65                    | 17.06                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 18.07                 | 17.64                    | 17.05                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 18.12                 | 17.63                    | 17.04                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 18.17                 | 17.62                    | 17.03                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 18.22                 | 17.61                    | 17.02                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 18.27                 | 17.60                    | 17.01                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 18.32                 | 17.59                    | 17.00                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 18.37                 | 17.58                    | 16.99                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 18.42                 | 17.57                    | 16.98                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 18.47                 | 17.56                    | 16.97                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 18.52                 | 17.55                    | 16.96                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 18.57                 | 17.54                    | 16.95                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 18.62                 | 17.53                    | 16.94                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 18.67                 | 17.52                    | 16.93                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 18.72                 | 17.51                    | 16.92                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 18.77                 | 17.50                    | 16.91                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 18.82                 | 17.49                    | 16.90                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 18.87                 | 17.48                    | 16.89                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 18.92                 | 17.47                    | 16.88                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 18.97                 | 17.46                    | 16.87                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 19.02                 | 17.45                    | 16.86                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 19.07                 | 17.44                    | 16.85                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 19.12                 | 17.43                    | 16.84                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 19.17                 | 17.42                    | 16.83                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 19.22                 | 17.41                    | 16.82                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 19.27                 | 17.40                    | 16.81                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 19.32                 | 17.39                    | 16.80                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 19.37                 | 17.38                    | 16.79                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 19.42                 | 17.37                    | 16.78                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 19.47                 | 17.36                    | 16.77                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 19.52                 | 17.35                    | 16.76                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 19.57                 | 17.34                    | 16.75                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 19.62                 | 17.33                    | 16.74                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 19.67                 | 17.32                    | 16.73                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 19.72                 | 17.31                    | 16.72                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 19.77                 | 17.30                    | 16.71                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 19.82                 | 17.29                    | 16.70                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 19.87                 | 17.28                    | 16.69                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 19.92                 | 17.27                    | 16.68                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 19.97                 | 17.26                    | 16.67                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 20.02                 | 17.25                    | 16.66                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 20.07                 | 17.24                    | 16.65                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 20.12                 | 17.23                    | 16.64                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 20.17                 | 17.22                    | 16.63                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 20.22                 | 17.21                    | 16.62                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 20.27                 | 17.20                    | 16.61                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 20.32                 | 17.19                    | 16.60                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 20.37                 | 17.18                    | 16.59                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 20.42                 | 17.17                    | 16.58                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 20.47                 | 17.16                    | 16.57                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 20.52                 | 17.15                    | 16.56                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 20.57                 | 17.14                    | 16.55                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 20.62                 | 17.13                    | 16.54                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 20.67                 | 17.12                    | 16.53                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 20.72                 | 17.11                    | 16.52                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 20.77                 | 17.10                    | 16.51                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 20.82                 | 17.09                    | 16.50                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 20.87                 | 17.08                    | 16.49                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 20.92                 | 17.07                    | 16.48                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 20.97                 | 17.06                    | 16.47                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 21.02                 | 17.05                    | 16.46                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 21.07                 | 17.04                    | 16.45                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 21.12                 | 17.03                    | 16.44                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 21.17                 | 17.02                    | 16.43                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 21.22                 | 17.01                    | 16.42                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 21.27                 | 17.00                    | 16.41                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 21.32                 | 16.99                    | 16.40                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 21.37                 | 16.98                    | 16.39                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 21.42                 | 16.97                    | 16.38                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 21.47                 | 16.96                    | 16.37                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 21.52                 | 16.95                    | 16.36                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 21.57                 | 16.94                    | 16.35                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 21.62                 | 16.93                    | 16.34                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 21.67                 | 16.92                    | 16.33                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 21.72                 | 16.91                    | 16.32                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 21.77                 | 16.90                    | 16.31                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 21.82                 | 16.89                    | 16.30                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 21.87                 | 16.88                    | 16.29                  | 18.0                | 0.0      |  |
| Channel                |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           |                       |                          |                        |                     |          |  |
| 0                      | QPSK       | 1       | 1         | 21.92                 |                          |                        |                     |          |  |



| FR1 n70 Ant 2   |            |         |           |                             |                                |                              |                        |             |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           |                             | 340500                         |                              | 19.5                   | 0.0         |
| Frequency (MHz) |            |         |           |                             | 1702.5                         |                              |                        |             |
| 15              | PI/2 BPSK  | 1       | 1         |                             | 18.27                          |                              | 19.5                   | 0.0         |
| 15              | PI/2 BPSK  | 1       | 40        |                             | 18.24                          |                              |                        |             |
| 15              | PI/2 BPSK  | 1       | 77        |                             | 18.28                          |                              |                        |             |
| 15              | PI/2 BPSK  | 36      | 0         |                             | 18.33                          |                              | 19.5                   | 0.0         |
| 15              | PI/2 BPSK  | 36      | 22        |                             | 18.22                          |                              | 19.5                   | 0.0         |
| 15              | PI/2 BPSK  | 36      | 43        |                             | 18.23                          |                              | 19.5                   | 0.0         |
| 15              | PI/2 BPSK  | 75      | 0         |                             | 18.23                          |                              |                        |             |
| 15              | QPSK       | 1       | 1         |                             | 18.40                          |                              | 19.5                   | 0.0         |
| 15              | QPSK       | 1       | 40        |                             | 18.31                          |                              |                        |             |
| 15              | QPSK       | 1       | 77        |                             | 18.23                          |                              |                        |             |
| 15              | QPSK       | 36      | 0         |                             | 18.33                          |                              | 19.5                   | 0.0         |
| 15              | QPSK       | 36      | 22        |                             | 18.36                          |                              | 19.5                   | 0.0         |
| 15              | QPSK       | 36      | 43        |                             | 18.31                          |                              | 19.5                   | 0.0         |
| 15              | QPSK       | 75      | 0         |                             | 18.33                          |                              |                        |             |
| 15              | 16QAM      | 1       | 1         |                             | 18.28                          |                              | 19.5                   | 0.0         |
| 15              | 64QAM      | 1       | 1         |                             | 18.29                          |                              | 19.5                   | 0.0         |
| 15              | 256QAM     | 1       | 1         |                             | 18.34                          |                              | 19.5                   | 0.0         |
| Channel         |            |         |           | 340000                      | 340500                         | 341000                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 1700                        | 1702.5                         | 1705                         | (dBm)                  | (dB)        |
| 10              | QPSK       | 1       | 1         | 18.29                       | 18.22                          | 18.28                        | 17.5                   | 0.0         |
| Channel         |            |         |           | 339500                      | 340500                         | 341500                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 1697.5                      | 1702.5                         | 1707.5                       | (dBm)                  | (dB)        |
| 5               | QPSK       | 1       | 1         | 18.19                       | 18.20                          | 18.29                        | 17.5                   | 0.0         |



| Part27Q n78 HPUE Ant 2 |            |         |           |                              |                                 |                               |                     |          |     |
|------------------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|-----|
| BW [MHz]               | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 650000 | Power Middle Ch. / Freq. 650000 | Power High Ch. / Freq. 650000 | Tune-up limit (dBm) | MPR (dB) |     |
| Channel                |            |         |           | 3750                         | 3750                            | 3750                          |                     |          |     |
| 100                    | PQ2 BPSK   | 1       | 1         |                              | 18.01                           |                               | 19.0                | 0.0      |     |
| 100                    | PQ2 BPSK   | 1       | 137       |                              | 17.95                           |                               |                     |          |     |
| 100                    | PQ2 BPSK   | 1       | 271       |                              | 17.94                           |                               |                     |          |     |
| 100                    | PQ2 BPSK   | 135     | 0         |                              | 18.04                           |                               | 19.0                | 0.0      |     |
| 100                    | PQ2 BPSK   | 135     | 69        |                              | 17.98                           |                               | 19.0                | 0.0      |     |
| 100                    | PQ2 BPSK   | 135     | 138       |                              | 18.01                           |                               | 19.0                | 0.0      |     |
| 100                    | PQ2 BPSK   | 270     | 0         |                              | 17.97                           |                               |                     |          |     |
| 100                    | QPSK       | 1       | 1         |                              | 18.10                           |                               |                     |          |     |
| 100                    | QPSK       | 1       | 137       |                              | 17.98                           |                               | 19.0                | 0.0      |     |
| 100                    | QPSK       | 1       | 271       |                              | 18.02                           |                               |                     |          |     |
| 100                    | QPSK       | 135     | 0         |                              | 17.90                           |                               | 19.0                | 0.0      |     |
| 100                    | QPSK       | 135     | 69        |                              | 17.99                           |                               | 19.0                | 0.0      |     |
| 100                    | QPSK       | 135     | 138       |                              | 17.97                           |                               | 19.0                | 0.0      |     |
| 100                    | QPSK       | 270     | 0         |                              | 17.95                           |                               | 19.0                | 0.0      |     |
| 100                    | 16QAM      | 1       | 1         |                              | 18.02                           |                               | 19.0                | 0.0      |     |
| 100                    | 64QAM      | 1       | 1         |                              | 17.92                           |                               | 19.0                | 0.0      |     |
| 100                    | 256QAM     | 1       | 1         |                              | 17.96                           |                               | 19.0                | 0.0      |     |
| Channel                |            |         |           | 649968                       | 650000                          | 650334                        | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3745.02                      | 3750                            | 3755.01                       |                     |          |     |
| 90                     | QPSK       | 1       | 1         |                              | 18.05                           | 18.02                         | 18.00               | 19.0     | 0.0 |
| Channel                |            |         |           | 649334                       | 650000                          | 650668                        | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3740.01                      | 3750                            | 3760.02                       |                     |          |     |
| 80                     | QPSK       | 1       | 1         |                              | 18.02                           | 17.92                         | 17.89               | 19.0     | 0.0 |
| Channel                |            |         |           | 649000                       | 650000                          | 651000                        | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3735.02                      | 3750                            | 3765.01                       |                     |          |     |
| 70                     | QPSK       | 1       | 1         |                              | 17.98                           | 18.03                         | 17.89               | 19.0     | 0.0 |
| Channel                |            |         |           | 648668                       | 650000                          | 651334                        | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3730.02                      | 3750                            | 3770.01                       |                     |          |     |
| 60                     | QPSK       | 1       | 1         |                              | 17.90                           | 17.93                         | 17.85               | 19.0     | 0.0 |
| Channel                |            |         |           | 648334                       | 650000                          | 651668                        | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3725.01                      | 3750                            | 3775.02                       |                     |          |     |
| 50                     | QPSK       | 1       | 1         |                              | 17.98                           | 17.94                         | 17.96               | 19.0     | 0.0 |
| Channel                |            |         |           | 648000                       | 650000                          | 650000                        | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3720                         | 3750                            | 3780                          |                     |          |     |
| 40                     | QPSK       | 1       | 1         |                              | 18.05                           | 18.01                         | 18.00               | 19.0     | 0.0 |
| Channel                |            |         |           | 647668                       | 650000                          | 652334                        | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3715.02                      | 3750                            | 3795.01                       |                     |          |     |
| 30                     | QPSK       | 1       | 1         |                              | 17.95                           | 17.92                         | 17.92               | 19.0     | 0.0 |
| Channel                |            |         |           | 647300                       | 650000                          | 652000                        | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3710.01                      | 3750                            | 3790.02                       |                     |          |     |
| 25                     | QPSK       | 1       | 1         |                              | 18.02                           | 17.97                         | 17.95               | 19.0     | 0.0 |
| Channel                |            |         |           | 646934                       | 650000                          | 652668                        | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3705.02                      | 3750                            | 3824.01                       |                     |          |     |
| 20                     | QPSK       | 1       | 1         |                              | 17.95                           | 17.96                         | 17.91               | 19.0     | 0.0 |
| Channel                |            |         |           | 647168                       | 650000                          | 652834                        | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3700.02                      | 3750                            | 3824.01                       |                     |          |     |
| 15                     | QPSK       | 1       | 1         |                              | 17.97                           | 17.97                         | 17.91               | 19.0     | 0.0 |
| Channel                |            |         |           | 647000                       | 650000                          | 653000                        | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz)        |            |         |           | 3705                         | 3750                            | 3795                          |                     |          |     |
| 10                     | QPSK       | 1       | 1         |                              | 17.99                           | 17.96                         | 17.96               | 19.0     | 0.0 |

| Part27Q 78 HPUE Ant 2 |            |         |           |                      |                         |                       |                     |          |     |
|-----------------------|------------|---------|-----------|----------------------|-------------------------|-----------------------|---------------------|----------|-----|
| 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               |            |         |           | 633334               | 633334                  |                       |                     |          |     |
| Frequency (MHz)       |            |         |           |                      | 3500.01                 |                       |                     |          |     |
| 100                   | PQ2 BPSK   | 1       | 1         |                      | 17.40                   |                       | 19.0                | 0.0      |     |
| 100                   | PQ2 BPSK   | 1       | 137       |                      | 17.42                   |                       |                     |          |     |
| 100                   | PQ2 BPSK   | 1       | 271       |                      | 17.39                   |                       |                     |          |     |
| 100                   | PQ2 BPSK   | 135     | 0         |                      | 17.43                   |                       | 19.0                | 0.0      |     |
| 100                   | PQ2 BPSK   | 135     | 69        |                      | 17.31                   |                       | 19.0                | 0.0      |     |
| 100                   | PQ2 BPSK   | 135     | 138       |                      | 17.47                   |                       | 19.0                | 0.0      |     |
| 100                   | PQ2 BPSK   | 270     | 0         |                      | 17.40                   |                       |                     |          |     |
| 100                   | QPSK       | 1       | 1         |                      | 17.49                   |                       |                     |          |     |
| 100                   | QPSK       | 1       | 137       |                      | 17.38                   |                       | 19.0                | 0.0      |     |
| 100                   | QPSK       | 1       | 271       |                      | 17.31                   |                       |                     |          |     |
| 100                   | QPSK       | 135     | 0         |                      | 17.34                   |                       | 19.0                | 0.0      |     |
| 100                   | QPSK       | 135     | 69        |                      | 17.48                   |                       | 19.0                | 0.0      |     |
| 100                   | QPSK       | 135     | 138       |                      | 17.46                   |                       |                     |          |     |
| 100                   | QPSK       | 270     | 0         |                      | 17.34                   |                       | 19.0                | 0.0      |     |
| 100                   | 16QAM      | 1       | 1         |                      | 17.48                   |                       | 19.0                | 0.0      |     |
| 100                   | 64QAM      | 1       | 1         |                      | 17.44                   |                       | 19.0                | 0.0      |     |
| 100                   | 256QAM     | 1       | 1         |                      | 17.47                   |                       | 19.0                | 0.0      |     |
| Channel               |            |         |           | 633300               | 633334                  | 633668                | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)       |            |         |           | 3495                 | 3500.01                 | 3505.02               |                     |          |     |
| 90                    | QPSK       | 1       | 1         |                      | 17.44                   | 17.37                 | 17.39               | 19.0     | 0.0 |
| Channel               |            |         |           | 633668               | 633334                  | 634000                | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)       |            |         |           | 3490.02              | 3500.01                 | 3510.01               |                     |          |     |
| 80                    | QPSK       | 1       | 1         |                      | 17.37                   | 17.32                 | 17.28               | 19.0     | 0.0 |
| Channel               |            |         |           | 632334               | 633334                  | 634334                | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)       |            |         |           | 3485.01              | 3500.01                 | 3515.01               |                     |          |     |
| 70                    | QPSK       | 1       | 1         |                      | 17.41                   | 17.32                 | 17.30               | 19.0     | 0.0 |
| Channel               |            |         |           | 632000               | 633334                  | 634668                | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)       |            |         |           | 3480                 | 3500.01                 | 3520.02               |                     |          |     |
| 60                    | QPSK       | 1       | 1         |                      | 17.23                   | 17.30                 | 17.32               | 19.0     | 0.0 |
| Channel               |            |         |           | 631668               | 633334                  | 635000                | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)       |            |         |           | 3475.02              | 3500.01                 | 3525                  |                     |          |     |
| 50                    | QPSK       | 1       | 1         |                      | 17.34                   | 17.36                 | 17.29               | 19.0     | 0.0 |
| Channel               |            |         |           | 631334               | 633334                  | 635334                | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)       |            |         |           | 3470.01              | 3500.01                 | 3530.01               |                     |          |     |
| 40                    | QPSK       | 1       | 1         |                      | 17.25                   | 17.32                 | 17.26               | 19.0     | 0.0 |
| Channel               |            |         |           | 631000               | 633334                  | 635668                | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)       |            |         |           | 3465                 | 3500.01                 | 3535.02               |                     |          |     |
| 30                    | QPSK       | 1       | 1         |                      | 17.38                   | 17.29                 | 17.30               | 19.0     | 0.0 |
| Channel               |            |         |           | 630668               | 633334                  | 635834                | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)       |            |         |           | 3460.01              | 3500.01                 | 3537.01               |                     |          |     |
| 25                    | QPSK       | 1       | 1         |                      | 17.35                   | 17.37                 | 17.26               | 19.0     | 0.0 |
| Channel               |            |         |           | 630334               | 633334                  | 636000                | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)       |            |         |           | 3455                 | 3500.01                 | 3540.02               |                     |          |     |
| 20                    | QPSK       | 1       | 1         |                      | 17.36                   | 17.30                 | 17.40               | 19.0     | 0.0 |
| Channel               |            |         |           | 630000               | 633334                  | 636168                | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)       |            |         |           | 3450.01              | 3500.01                 | 3544.02               |                     |          |     |
| 15                    | QPSK       | 1       | 1         |                      | 17.41                   | 17.34                 | 17.30               | 19.0     | 0.0 |
| Channel               |            |         |           | 630334               | 633334                  | 636334                | Tune-up limit (dbm) | MPR (dB) |     |
| Frequency (MHz)       |            |         |           | 3455.01              | 3500.01                 | 3545.01               |                     |          |     |
| 10                    | QPSK       | 1       | 1         |                      | 17.42                   | 17.29                 | 17.26               | 19.0     | 0.0 |

| n41 HPUE Ant 8  |            |         |           |                                                                             |                        |                      |                          |          |     |
|-----------------|------------|---------|-----------|-----------------------------------------------------------------------------|------------------------|----------------------|--------------------------|----------|-----|
| 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         |            |         |           | 506002                                                                      | 518598                 | 526000               |                          |          |     |
| Frequency (MHz) |            |         |           | 2546.01                                                                     | 2592.99                | 2640                 |                          |          |     |
| 100             | PI2 BPSK   | 1       | 1         | 14.62                                                                       | 14.70                  | 14.72                |                          |          |     |
| 100             | PI2 BPSK   | 1       | 137       | 14.67                                                                       | 14.69                  | 14.68                | 16.0                     | 0.0      | 0.0 |
| 100             | PI2 BPSK   | 1       | 271       | 14.61                                                                       | 14.69                  | 14.73                |                          |          |     |
| 100             | PI2 BPSK   | 135     | 0         | 14.71                                                                       | 14.68                  | 14.71                | 16.0                     | 0.0      | 0.0 |
| 100             | PI2 BPSK   | 135     | 69        | 14.62                                                                       | 14.74                  | 14.69                | 16.0                     | 0.0      | 0.0 |
| 100             | PI2 BPSK   | 135     | 138       | 14.61                                                                       | 14.70                  | 14.69                |                          |          |     |
| 100             | PI2 BPSK   | 270     | 0         | 14.66                                                                       | 14.73                  | 14.74                | 16.0                     | 0.0      | 0.0 |
| 100             | QPSK       | 1       | 1         | 14.80                                                                       | 14.85                  | 14.82                |                          |          |     |
| 100             | QPSK       | 1       | 137       | 14.61                                                                       | 14.67                  | 14.73                | 16.0                     | 0.0      | 0.0 |
| 100             | QPSK       | 1       | 271       | 14.67                                                                       | 14.78                  | 14.77                |                          |          |     |
| 100             | QPSK       | 135     | 0         | 14.66                                                                       | 14.76                  | 14.68                | 16.0                     | 0.0      | 0.0 |
| 100             | QPSK       | 135     | 69        | 14.77                                                                       | 14.81                  | 14.72                | 16.0                     | 0.0      | 0.0 |
| 100             | QPSK       | 135     | 138       | 14.63                                                                       | 14.73                  | 14.65                | 16.0                     | 0.0      | 0.0 |
| 100             | QPSK       | 270     | 0         | 14.73                                                                       | 14.80                  | 14.75                | 16.0                     | 0.0      | 0.0 |
| 100             | 16QAM      | 1       | 1         | 14.63                                                                       | 14.73                  | 14.72                | 16.0                     | 0.0      | 0.0 |
| 100             | 64QAM      | 1       | 1         | 14.69                                                                       | 14.68                  | 14.72                | 16.0                     | 0.0      | 0.0 |
| 100             | 256QAM     | 1       | 1         | 14.61                                                                       | 14.73                  | 14.76                | 16.0                     | 0.0      | 0.0 |
| Channel         |            |         |           | 508200                                                                      | 518598                 | 526996               | Tune-up limit (dBm)      | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2547                                                                        | 2592.99                | 2644.98              | 16.0 <td></td> <td></td> |          |     |
| 90              | QPSK       | 1       | 1         | 14.67                                                                       | 14.71                  | 14.73                | 16.0                     | 0.0      | 0.0 |
| Channel         |            |         |           | 508204                                                                      | 518598                 | 526998               | Tune-up limit (dBm)      | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2636.02                                                                     | 2592.99                | 2649.99              |                          |          |     |
| 80              | QPSK       | 1       | 1         | 14.64                                                                       | 14.70                  | 14.66                | 16.0                     | 0.0      | 0.0 |
| Channel         |            |         |           | 509200                                                                      | 518598                 | 531996               | Tune-up limit (dBm)      | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2526                                                                        | 2592.99                | 2639.98              |                          |          |     |
| 60              | QPSK       | 1       | 1         | 14.64                                                                       | 14.63                  | 14.67                | 16.0                     | 0.0      | 0.0 |
| Channel         |            |         |           | 509204                                                                      | 518598                 | 532998               | Tune-up limit (dBm)      | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2621.02                                                                     | 2592.99                | 2664.99              |                          |          |     |
| 50              | QPSK       | 1       | 1         | 14.61                                                                       | 14.64                  | 14.67                | 16.0                     | 0.0      | 0.0 |
| Channel         |            |         |           | 509208                                                                      | 518598                 | 533000               | Tune-up limit (dBm)      | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2616.01                                                                     | 2592.99                | 2670                 |                          |          |     |
| 40              | QPSK       | 1       | 1         | 14.58 <td>14.64</td> <td>14.67</td> <td>16.0</td> <td>0.0</td> <td>0.0</td> | 14.64                  | 14.67                | 16.0                     | 0.0      | 0.0 |
| Channel         |            |         |           | 509200                                                                      | 518598                 | 533996               | Tune-up limit (dBm)      | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2611                                                                        | 2592.99                | 2674.98              |                          |          |     |
| 30              | QPSK       | 1       | 1         | 14.56                                                                       | 14.65                  | 14.67                | 16.0                     | 0.0      | 0.0 |
| Channel         |            |         |           | 501204                                                                      | 518598                 | 535998               | Tune-up limit (dBm)      | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2506.02                                                                     | 2592.99                | 2679.99              |                          |          |     |
| 20              | QPSK       | 1       | 1         | 14.64                                                                       | 14.63                  | 14.63                | 16.0                     | 0.0      | 0.0 |
| Channel         |            |         |           | 501200                                                                      | 518598                 | 536996               | Tune-up limit (dBm)      | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2503.5                                                                      | 2592.99                | 2682.48              |                          |          |     |
| 15              | QPSK       | 1       | 1         | 14.67                                                                       | 14.69                  | 14.67                | 16.0                     | 0.0      | 0.0 |
| Channel         |            |         |           | 500002                                                                      | 518598                 | 537000               | Tune-up limit (dBm)      | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 2601.01                                                                     | 2592.99                | 2686                 |                          |          |     |
| 10              | QPSK       | 1       | 1         | 14.61                                                                       | 14.68                  | 14.70                | 16.0                     | 0.0      | 0.0 |

| Par270 n77 HPUE Ant 8 |            |         |           |                     |                        |                      |                     |          |     |
|-----------------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|-----|
| 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               |            |         |           | 650000              | 656000                 | 662000               |                     |          |     |
| Frequency (MHz)       |            |         |           | 3750                | 3840                   | 3900                 |                     |          |     |
| 100                   | PI2 BPSK   | 1       | 1         | 13.30               | 13.45                  | 13.37                |                     | 14.5     | 0.0 |
| 100                   | PI2 BPSK   | 1       | 137       | 13.32               | 13.41                  | 13.34                |                     |          |     |
| 100                   | PI2 BPSK   | 1       | 271       | 13.34               | 13.45                  | 13.38                |                     |          |     |
| 100                   | PI2 BPSK   | 135     | 0         | 13.28               | 13.44                  | 13.31                | 14.5                | 0.0      |     |
| 100                   | PI2 BPSK   | 135     | 69        | 13.31               | 13.45                  | 13.39                | 14.5                | 0.0      |     |
| 100                   | PI2 BPSK   | 135     | 138       | 13.35               | 13.40                  | 13.36                | 14.5                | 0.0      |     |
| 100                   | PI2 BPSK   | 270     | 0         | 13.34               | 13.42                  | 13.41                |                     |          |     |
| 100                   | QPSK       | 1       | 1         | 13.45               | 13.55                  | 13.47                |                     |          |     |
| 100                   | QPSK       | 1       | 137       | 13.31               | 13.50                  | 13.38                | 14.5                | 0.0      |     |
| 100                   | QPSK       | 1       | 271       | 13.26               | 13.49                  | 13.32                |                     |          |     |
| 100                   | QPSK       | 135     | 0         | 13.34               | 13.39                  | 13.38                | 14.5                | 0.0      |     |
| 100                   | QPSK       | 135     | 69        | 13.35               | 13.52                  | 13.45                | 14.5                | 0.0      |     |
| 100                   | QPSK       | 135     | 138       | 13.35               | 13.44                  | 13.42                | 14.5                | 0.0      |     |
| 100                   | QPSK       | 270     | 0         | 13.35               | 13.51                  | 13.43                |                     |          |     |
| 100                   | 16QAM      | 1       | 1         | 13.34               | 13.40                  | 13.37                | 14.5                | 0.0      |     |
| 100                   | 64QAM      | 1       | 1         | 13.32               | 13.46                  | 13.36                | 14.5                | 0.0      |     |
| 100                   | 256QAM     | 1       | 1         | 13.30               | 13.45                  | 13.32                | 14.5                | 0.0      |     |
| Channel               |            |         |           | 649688              | 656000                 | 662234               | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)       |            |         |           | 3745.02             | 3840                   | 3935.01              |                     |          |     |
| 90                    | QPSK       | 1       | 1         | 13.25               | 13.41                  | 13.36                | 14.5                | 0.0      |     |
| Channel               |            |         |           | 649334              | 656000                 | 662068               | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)       |            |         |           | 3740.01             | 3840                   | 3940.02              |                     |          |     |
| 80                    | QPSK       | 1       | 1         | 13.20               | 13.31                  | 13.24                | 14.5                | 0.0      |     |
| Channel               |            |         |           | 648000              | 656000                 | 663000               | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)       |            |         |           | 3735                | 3840                   | 3945                 |                     |          |     |
| 70                    | QPSK       | 1       | 1         | 13.17               | 13.32                  | 13.20                | 14.5                | 0.0      |     |
| Channel               |            |         |           | 646868              | 656000                 | 663334               | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)       |            |         |           | 3730.02             | 3840                   | 3950.01              |                     |          |     |
| 60                    | QPSK       | 1       | 1         | 13.23               | 13.39                  | 13.30                | 14.5                | 0.0      |     |
| Channel               |            |         |           | 645334              | 656000                 | 663068               | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)       |            |         |           | 3725.01             | 3840                   | 3955.02              |                     |          |     |
| 50                    | QPSK       | 1       | 1         | 13.13               | 13.35                  | 13.23                | 14.5                | 0.0      |     |
| Channel               |            |         |           | 644000              | 656000                 | 664000               | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)       |            |         |           | 3720                | 3840                   | 3960                 |                     |          |     |
| 40                    | QPSK       | 1       | 1         | 13.22               | 13.32                  | 13.26                | 14.5                | 0.0      |     |
| Channel               |            |         |           | 647668              | 656000                 | 664334               | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)       |            |         |           | 3715.02             | 3840                   | 3965.01              |                     |          |     |
| 30                    | QPSK       | 1       | 1         | 13.14               | 13.35                  | 13.29                | 14.5                | 0.0      |     |
| Channel               |            |         |           | 647000              | 656000                 | 664500               | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)       |            |         |           | 3712.5              | 3840                   | 3967.5               |                     |          |     |
| 25                    | QPSK       | 1       | 1         | 13.13               | 13.35                  | 13.32                | 14.5                | 0.0      |     |
| Channel               |            |         |           | 647334              | 656000                 | 664668               | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)       |            |         |           | 3710.01             | 3840                   | 3970.02              |                     |          |     |
| 20                    | QPSK       | 1       | 1         | 13.21               | 13.35                  | 13.23                | 14.5                | 0.0      |     |
| Channel               |            |         |           | 647168              | 656000                 | 664834               | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)       |            |         |           | 3707.52             | 3840                   | 3972.51              |                     |          |     |
| 15                    | QPSK       | 1       | 1         | 13.12               | 13.28                  | 13.23                | 14.5                | 0.0      |     |
| Channel               |            |         |           | 647000              | 656000                 | 665000               | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)       |            |         |           | 3705                | 3840                   | 3975                 |                     |          |     |
| 10                    | QPSK       | 1       | 1         | 13.11               | 13.37                  | 13.28                | 14.5                | 0.0      |     |



| n30 Ant 9       |            |         |           |                             |                                |                              |                        |             |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           |                             | 462000                         |                              |                        |             |
| Frequency (MHz) |            |         |           |                             | 2310                           |                              |                        |             |
| 10              | PV2 BPSK   | 1       | 1         |                             | 15.99                          |                              |                        |             |
| 10              | PV2 BPSK   | 1       | 26        |                             | 15.91                          |                              | 17.0                   | 0.0         |
| 10              | PV2 BPSK   | 1       | 50        |                             | 15.93                          |                              |                        |             |
| 10              | PV2 BPSK   | 25      | 0         |                             | 15.89                          |                              | 17.0                   | 0.0         |
| 10              | PV2 BPSK   | 25      | 14        |                             | 15.89                          |                              | 17.0                   | 0.0         |
| 10              | PV2 BPSK   | 25      | 27        |                             | 15.94                          |                              |                        |             |
| 10              | PV2 BPSK   | 50      | 0         |                             | 15.99                          |                              | 17.0                   | 0.0         |
| 10              | QPSK       | 1       | 1         |                             | 16.08                          |                              |                        |             |
| 10              | QPSK       | 1       | 26        |                             | 15.96                          |                              | 17.0                   | 0.0         |
| 10              | QPSK       | 1       | 50        |                             | 15.94                          |                              |                        |             |
| 10              | QPSK       | 25      | 0         |                             | 16.00                          |                              | 17.0                   | 0.0         |
| 10              | QPSK       | 25      | 14        |                             | 16.05                          |                              | 17.0                   | 0.0         |
| 10              | QPSK       | 25      | 27        |                             | 15.97                          |                              |                        |             |
| 10              | QPSK       | 50      | 0         |                             | 16.03                          |                              | 17.0                   | 0.0         |
| 10              | 16QAM      | 1       | 1         |                             | 15.91                          |                              | 17.0                   | 0.0         |
| 10              | 64QAM      | 1       | 1         |                             | 15.96                          |                              | 17.0                   | 0.0         |
| 10              | 256QAM     | 1       | 1         |                             | 15.98                          |                              | 17.0                   | 0.0         |
| Channel         |            |         |           | 461500                      | 462000                         | 462500                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2307.5                      | 2310                           | 2312.5                       | (dBm)                  | (dB)        |
| 5               | QPSK       | 1       | 1         | 15.98                       | 16.01                          | 15.95                        | 17.0                   | 0.0         |

| n41 HPUE Ant 9  |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz) |            |         |           | 2546.01               | 2552.99                  | 2640                   |                     |          |  |
| 100             | Pi2 BPSK   | 1       | 1         | 18.42                 | 18.50                    | 18.36                  |                     |          |  |
| 100             | Pi2 BPSK   | 1       | 137       | 18.39                 | 18.41                    | 18.39                  | 20.0                | 0.0      |  |
| 100             | Pi2 BPSK   | 1       | 271       | 18.38                 | 18.42                    | 18.34                  |                     |          |  |
| 100             | Pi2 BPSK   | 135     | 0         | 18.32                 | 18.51                    | 18.36                  | 20.0                | 0.0      |  |
| 100             | Pi2 BPSK   | 135     | 69        | 18.38                 | 18.45                    | 18.35                  | 20.0                | 0.0      |  |
| 100             | Pi2 BPSK   | 135     | 138       | 18.39                 | 18.42                    | 18.38                  | 20.0                | 0.0      |  |
| 100             | Pi2 BPSK   | 270     | 0         | 18.37                 | 18.44                    | 18.41                  |                     |          |  |
| 100             | QPSK       | 1       | 1         | 18.53                 | 18.60                    | 18.55                  |                     |          |  |
| 100             | QPSK       | 1       | 137       | 18.34                 | 18.51                    | 18.33                  | 20.0                | 0.0      |  |
| 100             | QPSK       | 1       | 271       | 18.40                 | 18.48                    | 18.33                  |                     |          |  |
| 100             | QPSK       | 135     | 0         | 18.42                 | 18.45                    | 18.37                  | 20.0                | 0.0      |  |
| 100             | QPSK       | 135     | 69        | 18.49                 | 18.57                    | 18.49                  | 20.0                | 0.0      |  |
| 100             | QPSK       | 135     | 138       | 18.34                 | 18.51                    | 18.41                  | 20.0                | 0.0      |  |
| 100             | QPSK       | 270     | 0         | 18.43                 | 18.53                    | 18.44                  |                     |          |  |
| 100             | 16QAM      | 1       | 1         | 18.33                 | 18.43                    | 18.37                  | 20.0                | 0.0      |  |
| 100             | 64QAM      | 1       | 1         | 18.35                 | 18.45                    | 18.36                  | 20.0                | 0.0      |  |
| 100             | 256QAM     | 1       | 1         | 18.31                 | 18.51                    | 18.36                  | 20.0                | 0.0      |  |
| Channel         |            |         |           | 5052.00               | 5189.98                  | 5299.99                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2541                  | 2552.99                  | 2644.98                |                     |          |  |
| 90              | QPSK       | 1       | 1         | 18.34                 | 18.42                    | 18.33                  | 20.0                | 0.0      |  |
| Channel         |            |         |           | 5072.04               | 5189.98                  | 5299.98                | Tune-up limit (dBm) | MPR (dB) |  |
| 80              | QPSK       | 1       | 1         | 18.38                 | 18.50                    | 18.42                  | 20.0                | 0.0      |  |
| Channel         |            |         |           | 5050.00               | 5189.98                  | 5319.96                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2554                  | 2562.99                  | 2654.98                |                     |          |  |
| 80              | QPSK       | 1       | 1         | 18.34                 | 18.43                    | 18.37                  | 20.0                | 0.0      |  |
| Channel         |            |         |           | 5020.04               | 5189.98                  | 5329.98                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2551.02               | 2562.99                  | 2664.98                |                     |          |  |
| 50              | QPSK       | 1       | 1         | 18.38                 | 18.45                    | 18.38                  | 20.0                | 0.0      |  |
| Channel         |            |         |           | 5020.02               | 5189.98                  | 5340.00                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2558.01               | 2562.99                  | 2670                   |                     |          |  |
| 40              | QPSK       | 1       | 1         | 18.31                 | 18.43                    | 18.34                  | 20.0                | 0.0      |  |
| Channel         |            |         |           | 5022.00               | 5189.98                  | 5349.99                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2541                  | 2562.99                  | 2674.98                |                     |          |  |
| 30              | QPSK       | 1       | 1         | 18.34                 | 18.45                    | 18.41                  | 20.0                | 0.0      |  |
| Channel         |            |         |           | 5012.04               | 5189.98                  | 5359.98                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2506.02               | 2562.99                  | 2679.98                |                     |          |  |
| 20              | QPSK       | 1       | 1         | 18.31                 | 18.50                    | 18.32                  | 20.0                | 0.0      |  |
| Channel         |            |         |           | 5007.00               | 5189.98                  | 5369.98                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2503.55               | 2562.99                  | 2682.48                |                     |          |  |
| 15              | QPSK       | 1       | 1         | 18.39                 | 18.45                    | 18.32                  | 20.0                | 0.0      |  |
| Channel         |            |         |           | 5022.02               | 5189.98                  | 5370.00                | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 2501.01               | 2562.99                  | 2688                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 18.33                 | 18.50                    | 18.37                  | 20.0                | 0.0      |  |

| n48 Ant 9       |            |         |           |                          |                             |                           |               |              |     |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|---------------|--------------|-----|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit | MPR<br>(dB)  |     |
| Channel         |            |         |           |                          |                             |                           |               |              |     |
| Frequency (MHz) |            |         |           | 6360.00                  | 6416.66                     | 6463.32                   |               |              |     |
| 40              | Pi2 BPSK   | 1       | 1         | 18.81                    | 19.03                       | 18.90                     |               |              |     |
| 40              | Pi2 BPSK   | 1       | 53        | 18.84                    | 19.03                       | 18.90                     | 20.0          |              | 0.0 |
| 40              | Pi2 BPSK   | 1       | 104       | 18.86                    | 18.95                       | 18.95                     |               |              |     |
| 40              | Pi2 BPSK   | 50      | 0         | 18.87                    | 19.02                       | 18.96                     | 20.0          | 0.0          | 0.0 |
| 40              | Pi2 BPSK   | 50      | 28        | 18.91                    | 19.02                       | 18.92                     | 20.0          | 0.0          | 0.0 |
| 40              | Pi2 BPSK   | 50      | 56        | 18.84                    | 18.95                       | 18.95                     |               | 20.0         | 0.0 |
| 40              | Pi2 BPSK   | 100     | 0         | 18.92                    | 19.04                       | 18.99                     |               |              |     |
| 40              | QPSK       | 1       | 1         | 18.99                    |                             |                           |               |              |     |
| 40              | QPSK       | 1       | 53        | 18.82                    | 19.04                       | 18.98                     | 20.0          |              |     |
| 40              | QPSK       | 1       | 104       | 18.82                    | 18.96                       | 18.96                     |               |              |     |
| 40              | QPSK       | 50      | 0         | 18.86                    | 18.96                       | 18.93                     | 20.0          | 0.0          | 0.0 |
| 40              | QPSK       | 50      | 28        | 18.91                    | 19.02                       | 18.94                     | 20.0          | 0.0          | 0.0 |
| 40              | QPSK       | 50      | 56        | 18.86                    | 19.02                       | 18.94                     |               |              |     |
| 40              | QPSK       | 100     | 0         | 18.95                    | 19.07                       | 19.01                     | 20.0          | 0.0          | 0.0 |
| 40              | 16QAM      | 1       | 1         | 18.91                    | 18.96                       | 18.95                     | 20.0          | 0.0          | 0.0 |
| 40              | 64QAM      | 1       | 1         | 18.89                    | 18.94                       | 18.93                     | 20.0          | 0.0          | 0.0 |
| 40              | 256QAM     | 1       | 1         | 18.83                    | 19.01                       | 18.96                     | 20.0          | 0.0          | 0.0 |
| Channel         |            |         |           |                          |                             |                           |               |              |     |
| Frequency (MHz) |            |         |           | 6373.34                  | 6416.66                     | 6460.00                   | Tune-up limit | MPR<br>(dBm) |     |
|                 |            |         |           | 3560.01                  | 3624.99                     | 3690                      |               |              |     |
| 20              | QPSK       | 1       | 1         | 18.88                    | 19.00                       | 18.91                     | 20.0          |              | 0.0 |
| Channel         |            |         |           |                          |                             |                           |               |              |     |
| Frequency (MHz) |            |         |           | 6371.67                  | 6416.66                     | 6461.66                   | Tune-up limit | MPR<br>(dBm) |     |
|                 |            |         |           | 3557.52                  | 3624.99                     | 3682.49                   |               |              |     |
| 15              | QPSK       | 1       | 1         | 18.92                    | 18.94                       | 18.94                     | 20.0          |              | 0.0 |
| Channel         |            |         |           |                          |                             |                           |               |              |     |
| Frequency (MHz) |            |         |           | 6370.00                  | 6416.66                     | 6463.32                   | Tune-up limit | MPR<br>(dBm) |     |
|                 |            |         |           | 3565                     | 3624.99                     | 3674.98                   |               |              |     |
| 10              | QPSK       | 1       | 1         | 18.84                    | 19.00                       | 18.96                     | 20.0          | 0.0          | 0.0 |

| Par270 n77 HPUE Ant 9 |            |         |           |                       |                          |                        |               |          |  |
|-----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------|----------|--|
| BW [MHz]              | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit | MPR (dB) |  |
| Channel               |            |         |           |                       |                          |                        |               |          |  |
| Frequency (MHz)       |            |         |           | 3795                  | 3840                     | 3930                   |               |          |  |
| 100                   | Pi2 BPSK   | 1       | 1         | 18.24                 | 18.36                    | 18.36                  |               |          |  |
| 100                   | Pi2 BPSK   | 1       | 137       | 18.34                 | 18.36                    | 18.30                  | 19.0          | 0.0      |  |
| 100                   | Pi2 BPSK   | 1       | 271       | 18.33                 | 18.45                    | 18.32                  |               |          |  |
| 100                   | Pi2 BPSK   | 135     | 0         | 18.33                 | 18.38                    | 18.27                  | 19.0          | 0.0      |  |
| 100                   | Pi2 BPSK   | 135     | 69        | 18.30                 | 18.45                    | 18.26                  | 19.0          | 0.0      |  |
| 100                   | Pi2 BPSK   | 135     | 138       | 18.29                 | 18.45                    | 18.30                  | 19.0          | 0.0      |  |
| 100                   | Pi2 BPSK   | 270     | 0         | 18.34                 | 18.38                    | 18.25                  |               |          |  |
| 100                   | QPSK       | 1       | 1         | 18.26                 | 18.55                    | 18.28                  |               |          |  |
| 100                   | QPSK       | 1       | 137       | 18.30                 | 18.51                    | 18.34                  | 19.0          | 0.0      |  |
| 100                   | QPSK       | 1       | 271       | 18.35                 | 18.37                    | 18.30                  |               |          |  |
| 100                   | QPSK       | 135     | 0         | 18.30                 | 18.46                    | 18.33                  | 19.0          | 0.0      |  |
| 100                   | QPSK       | 135     | 69        | 18.33                 | 18.48                    | 18.31                  | 19.0          | 0.0      |  |
| 100                   | QPSK       | 135     | 138       | 18.34                 | 18.43                    | 18.30                  | 19.0          | 0.0      |  |
| 100                   | QPSK       | 270     | 0         | 18.33                 | 18.46                    | 18.37                  |               |          |  |
| 100                   | 16QAM      | 1       | 1         | 18.30                 | 18.42                    | 18.32                  | 19.0          | 0.0      |  |
| 100                   | 64QAM      | 1       | 1         | 18.19                 | 18.45                    | 18.28                  | 19.0          | 0.0      |  |
| 100                   | 256QAM     | 1       | 1         | 18.20                 | 18.39                    | 18.20                  | 19.0          | 0.0      |  |
| Channel               |            |         |           | 6469.68               | 6560.00                  | 6623.34                | Tune-up limit | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3743.02               | 3840                     | 3935.01                |               |          |  |
| 80                    | QPSK       | 1       | 1         | 18.20                 | 18.43                    | 18.24                  | 19.0          | 0.0      |  |
| Channel               |            |         |           | 6469.34               | 6560.00                  | 6626.68                | Tune-up limit | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3740.01               | 3840                     | 3940.02                |               |          |  |
| 80                    | QPSK       | 1       | 1         | 18.21                 | 18.40                    | 18.19                  | 19.0          | 0.0      |  |
| Channel               |            |         |           | 6469.00               | 6560.00                  | 6630.00                | Tune-up limit | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3735                  | 3840                     | 3945                   |               |          |  |
| 70                    | QPSK       | 1       | 1         | 18.23                 | 18.47                    | 18.24                  | 19.0          | 0.0      |  |
| Channel               |            |         |           | 6468.66               | 6560.00                  | 6633.34                | Tune-up limit | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3730.02               | 3840                     | 3950.01                |               |          |  |
| 60                    | QPSK       | 1       | 1         | 18.21                 | 18.38                    | 18.23                  | 19.0          | 0.0      |  |
| Channel               |            |         |           | 6468.34               | 6560.00                  | 6635.66                | Tune-up limit | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3725.01               | 3840                     | 3955.02                |               |          |  |
| 50                    | QPSK       | 1       | 1         | 18.15                 | 18.42                    | 18.21                  | 19.0          | 0.0      |  |
| Channel               |            |         |           | 6468.00               | 6560.00                  | 6640.00                | Tune-up limit | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3720                  | 3840                     | 3960                   |               |          |  |
| 40                    | QPSK       | 1       | 1         | 18.17                 | 18.40                    | 18.20                  | 19.0          | 0.0      |  |
| Channel               |            |         |           | 6476.68               | 6560.00                  | 6643.34                | Tune-up limit | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3715.02               | 3840                     | 3965.01                |               |          |  |
| 30                    | QPSK       | 1       | 1         | 18.15                 | 18.43                    | 18.19                  | 19.0          | 0.0      |  |
| Channel               |            |         |           | 6475.00               | 6560.00                  | 6645.00                | Tune-up limit | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3712.50               | 3840                     | 3967.50                |               |          |  |
| 25                    | QPSK       | 1       | 1         | 18.22                 | 18.45                    | 18.20                  | 19.0          | 0.0      |  |
| Channel               |            |         |           | 6473.34               | 6560.00                  | 6646.66                | Tune-up limit | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3710.01               | 3840                     | 3970.02                |               |          |  |
| 20                    | QPSK       | 1       | 1         | 18.16                 | 18.43                    | 18.19                  | 19.0          | 0.0      |  |
| Channel               |            |         |           | 6472.66               | 6560.00                  | 6647.34                | Tune-up limit | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3707.52               | 3840                     | 3972.51                |               |          |  |
| 15                    | QPSK       | 1       | 1         | 18.15                 | 18.37                    | 18.30                  | 19.0          | 0.0      |  |
| Channel               |            |         |           | 6470.00               | 6560.00                  | 6650.00                | Tune-up limit | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3705                  | 3840                     | 3975                   |               |          |  |
| 10                    | QPSK       | 1       | 1         | 18.15                 | 18.47                    | 18.28                  | 19.0          | 0.0      |  |

| Part27Q n77 HPUE Ant 9 |            |         |           |                       |                          |                        |                     |          |  |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                |            |         |           | 630001                |                          |                        |                     |          |  |
| Frequency (MHz)        |            |         |           | 1746                  |                          |                        |                     |          |  |
| 100                    | P12 BPSK   | 1       | 1         | 1746                  |                          |                        | 19.0                | 0.0      |  |
| 100                    | P12 BPSK   | 1       | 137       | 1750                  |                          |                        |                     |          |  |
| 100                    | P12 BPSK   | 1       | 271       | 1748                  |                          |                        |                     |          |  |
| 100                    | P12 BPSK   | 135     | 0         | 1746                  |                          |                        | 19.0                | 0.0      |  |
| 100                    | P12 BPSK   | 135     | 69        | 1747                  |                          |                        | 19.0                | 0.0      |  |
| 100                    | P12 BPSK   | 135     | 138       | 1748                  |                          |                        | 19.0                | 0.0      |  |
| 100                    | P12 BPSK   | 270     | 0         | 1747                  |                          |                        |                     |          |  |
| 100                    | QPSK       | 1       | 1         | 1755                  |                          |                        |                     |          |  |
| 100                    | QPSK       | 1       | 137       | 1743                  |                          |                        | 19.0                | 0.0      |  |
| 100                    | QPSK       | 1       | 271       | 1747                  |                          |                        |                     |          |  |
| 100                    | QPSK       | 135     | 0         | 1747                  |                          |                        | 19.0                | 0.0      |  |
| 100                    | QPSK       | 135     | 69        | 1753                  |                          |                        | 19.0                | 0.0      |  |
| 100                    | QPSK       | 135     | 138       | 1744                  |                          |                        | 19.0                | 0.0      |  |
| 100                    | QPSK       | 270     | 0         | 1751                  |                          |                        |                     |          |  |
| 100                    | 16QAM      | 1       | 1         | 1742                  |                          |                        | 19.0                | 0.0      |  |
| 100                    | 64QAM      | 1       | 1         | 1742                  |                          |                        | 19.0                | 0.0      |  |
| 100                    | 256QAM     | 1       | 1         | 1743                  |                          |                        | 19.0                | 0.0      |  |
| Channel                |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3495                  | 3600.01                  | 3605.02                |                     |          |  |
| 90                     | QPSK       | 1       | 1         | 1746                  | 1748                     | 1747                   | 19.0                | 0.0      |  |
| Channel                |            |         |           | 630998                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3495.02               | 3600.01                  | 3610.01                |                     |          |  |
| 80                     | QPSK       | 1       | 1         | 1742                  | 1742                     | 1751                   | 19.0                | 0.0      |  |
| Channel                |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3495.01               | 3600.01                  | 3615.01                |                     |          |  |
| 70                     | QPSK       | 1       | 1         | 1747                  | 1747                     | 1749                   | 19.0                | 0.0      |  |
| Channel                |            |         |           | 632000                | 633334                   | 634998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3480                  | 3600.01                  | 3620.02                |                     |          |  |
| 60                     | QPSK       | 1       | 1         | 1744                  | 1743                     | 1741                   | 19.0                | 0.0      |  |
| Channel                |            |         |           | 631998                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3475.02               | 3600.01                  | 3625.01                |                     |          |  |
| 50                     | QPSK       | 1       | 1         | 1743                  | 1744                     | 1744                   | 19.0                | 0.0      |  |
| Channel                |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3470.01               | 3600.01                  | 3630.01                |                     |          |  |
| 40                     | QPSK       | 1       | 1         | 1750                  | 1742                     | 1747                   | 19.0                | 0.0      |  |
| Channel                |            |         |           | 631000                | 633334                   | 635998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3465                  | 3600.01                  | 3635.02                |                     |          |  |
| 30                     | QPSK       | 1       | 1         | 1744                  | 1743                     | 1751                   | 19.0                | 0.0      |  |
| Channel                |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3462.51               | 3600.01                  | 3637.51                |                     |          |  |
| 25                     | QPSK       | 1       | 1         | 1750                  | 1747                     | 1748                   | 19.0                | 0.0      |  |
| Channel                |            |         |           | 630998                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3457.5                | 3600.01                  | 3642.52                |                     |          |  |
| 20                     | QPSK       | 1       | 1         | 1748                  | 1744                     | 1741                   | 19.0                | 0.0      |  |
| Channel                |            |         |           | 630500                | 633334                   | 636198                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3452.5                | 3600.01                  | 3645.52                |                     |          |  |
| 15                     | QPSK       | 1       | 1         | 1743                  | 1750                     | 1749                   | 19.0                | 0.0      |  |
| Channel                |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3455.01               | 3600.01                  | 3645.01                |                     |          |  |
| 10                     | QPSK       | 1       | 1         | 1744                  | 1749                     | 1751                   | 19.0                | 0.0      |  |

| Part27Q n78 HPUE Ant 9 |            |         |           |                       |                          |                        |                     |          |  |
|------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                |            |         |           | 3750                  |                          | 3750                   |                     |          |  |
| Frequency (MHz)        |            |         |           | 1814                  |                          |                        |                     |          |  |
| 100                    | P12 BPSK   | 1       | 1         | 1814                  |                          |                        | 19.0                | 0.0      |  |
| 100                    | P12 BPSK   | 1       | 137       | 1812                  |                          |                        |                     |          |  |
| 100                    | P12 BPSK   | 1       | 271       | 1820                  |                          |                        |                     |          |  |
| 100                    | P12 BPSK   | 135     | 0         | 1817                  |                          |                        | 19.0                | 0.0      |  |
| 100                    | P12 BPSK   | 135     | 69        | 1829                  |                          |                        | 19.0                | 0.0      |  |
| 100                    | P12 BPSK   | 135     | 138       | 1827                  |                          |                        | 19.0                | 0.0      |  |
| 100                    | P12 BPSK   | 270     | 0         | 1822                  |                          |                        |                     |          |  |
| 100                    | QPSK       | 1       | 1         | 1835                  |                          |                        |                     |          |  |
| 100                    | QPSK       | 1       | 137       | 1829                  |                          |                        | 19.0                | 0.0      |  |
| 100                    | QPSK       | 1       | 271       | 1818                  |                          |                        |                     |          |  |
| 100                    | QPSK       | 135     | 0         | 1823                  |                          |                        | 19.0                | 0.0      |  |
| 100                    | QPSK       | 135     | 69        | 1830                  |                          |                        | 19.0                | 0.0      |  |
| 100                    | QPSK       | 135     | 138       | 1821                  |                          |                        | 19.0                | 0.0      |  |
| 100                    | QPSK       | 270     | 0         | 1825                  |                          |                        |                     |          |  |
| 100                    | 16QAM      | 1       | 1         | 1827                  |                          |                        | 19.0                | 0.0      |  |
| 100                    | 64QAM      | 1       | 1         | 1827                  |                          |                        | 19.0                | 0.0      |  |
| 100                    | 256QAM     | 1       | 1         | 1815                  |                          |                        | 19.0                | 0.0      |  |
| Channel                |            |         |           | 649968                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |  |
| 90                     | QPSK       | 1       | 1         | 1823                  | 1825                     | 1818                   | 19.0                | 0.0      |  |
| Channel                |            |         |           | 649934                | 650000                   | 650998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3745.01               | 3750                     | 3765.02                |                     |          |  |
| 80                     | QPSK       | 1       | 1         | 1823                  | 1825                     | 1826                   | 19.0                | 0.0      |  |
| Channel                |            |         |           | 649900                | 650000                   | 651000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3735                  | 3750                     | 3765                   |                     |          |  |
| 70                     | QPSK       | 1       | 1         | 1815                  | 1823                     | 1815                   | 19.0                | 0.0      |  |
| Channel                |            |         |           | 649868                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |  |
| 60                     | QPSK       | 1       | 1         | 1819                  | 1822                     | 1825                   | 19.0                | 0.0      |  |
| Channel                |            |         |           | 649334                | 650000                   | 651998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |  |
| 50                     | QPSK       | 1       | 1         | 1818                  | 1815                     | 1817                   | 19.0                | 0.0      |  |
| Channel                |            |         |           | 648900                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3724                  | 3750                     | 3760                   |                     |          |  |
| 40                     | QPSK       | 1       | 1         | 1825                  | 1816                     | 1826                   | 19.0                | 0.0      |  |
| Channel                |            |         |           | 647998                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3715.02               | 3750                     | 3785.01                |                     |          |  |
| 30                     | QPSK       | 1       | 1         | 1813                  | 1815                     | 1822                   | 19.0                | 0.0      |  |
| Channel                |            |         |           | 647500                | 650000                   | 652500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3712.5                | 3750                     | 3787.5                 |                     |          |  |
| 25                     | QPSK       | 1       | 1         | 1817                  | 1826                     | 1825                   | 19.0                | 0.0      |  |
| Channel                |            |         |           | 647134                | 650000                   | 652998                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |  |
| 20                     | QPSK       | 1       | 1         | 1817                  | 1819                     | 1819                   | 19.0                | 0.0      |  |
| Channel                |            |         |           | 647198                | 650000                   | 652934                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3707.52               | 3750                     | 3792.51                |                     |          |  |
| 15                     | QPSK       | 1       | 1         | 1824                  | 1824                     | 1815                   | 19.0                | 0.0      |  |
| Channel                |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)        |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |  |
| 10                     | QPSK       | 1       | 1         | 1817                  | 1822                     | 1815                   | 19.0                | 0.0      |  |

| Part27Q 78 HPUE Ant 9 |            |         |           |                       |                          |                        |                     |          |  |
|-----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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               |            |         |           | 633334                |                          |                        |                     |          |  |
| Frequency (MHz)       |            |         |           | 350001                |                          |                        |                     |          |  |
| 100                   | P12 BPSK   | 1       | 1         |                       | 1722                     |                        | 19.0                | 0.0      |  |
| 100                   | P12 BPSK   | 1       | 137       |                       | 1733                     |                        |                     |          |  |
| 100                   | P12 BPSK   | 1       | 271       |                       | 1729                     |                        |                     |          |  |
| 100                   | P12 BPSK   | 135     | 0         |                       | 1721                     |                        | 19.0                | 0.0      |  |
| 100                   | P12 BPSK   | 135     | 69        |                       | 1729                     |                        | 19.0                | 0.0      |  |
| 100                   | P12 BPSK   | 135     | 138       |                       | 1728                     |                        | 19.0                | 0.0      |  |
| 100                   | P12 BPSK   | 270     | 0         |                       | 1723                     |                        | 19.0                | 0.0      |  |
| 100                   | QPSK       | 1       | 1         |                       | 1739                     |                        | 19.0                | 0.0      |  |
| 100                   | QPSK       | 1       | 137       |                       | 1718                     |                        |                     |          |  |
| 100                   | QPSK       | 1       | 271       |                       | 1728                     |                        |                     |          |  |
| 100                   | QPSK       | 135     | 0         |                       | 1723                     |                        | 19.0                | 0.0      |  |
| 100                   | QPSK       | 135     | 69        |                       | 1731                     |                        | 19.0                | 0.0      |  |
| 100                   | QPSK       | 135     | 138       |                       | 1721                     |                        | 19.0                | 0.0      |  |
| 100                   | QPSK       | 270     | 0         |                       | 1734                     |                        | 19.0                | 0.0      |  |
| 100                   | 16QAM      | 1       | 1         |                       | 1721                     |                        | 19.0                | 0.0      |  |
| 100                   | 64QAM      | 1       | 1         |                       | 1721                     |                        | 19.0                | 0.0      |  |
| 100                   | 256QAM     | 1       | 1         |                       | 1727                     |                        | 19.0                | 0.0      |  |
| Channel               |            |         |           | 635000                | 633334                   | 635008                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3495                  | 3500                     | 3505                   | 19.0                | 0.0      |  |
| 90                    | QPSK       | 1       | 1         | 1728                  | 1725                     | 1725                   | Tune-up limit (dBm) | MPR (dB) |  |
| Channel               |            |         |           | 632068                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3490                  | 3500                     | 3510                   | 19.0                | 0.0      |  |
| 80                    | QPSK       | 1       | 1         | 1723                  | 1733                     | 1729                   | Tune-up limit (dBm) | MPR (dB) |  |
| Channel               |            |         |           | 632224                | 633334                   | 634385                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3485                  | 3501                     | 3516                   | 19.0                | 0.0      |  |
| 70                    | QPSK       | 1       | 1         | 1728                  | 1723                     | 1733                   | Tune-up limit (dBm) | MPR (dB) |  |
| Channel               |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3480                  | 3500                     | 3520                   | 19.0                | 0.0      |  |
| 60                    | QPSK       | 1       | 1         | 1733                  | 1725                     | 1730                   | Tune-up limit (dBm) | MPR (dB) |  |
| Channel               |            |         |           | 631898                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3475                  | 3500                     | 3525                   | 19.0                | 0.0      |  |
| 50                    | QPSK       | 1       | 1         | 1725                  | 1728                     | 1727                   | Tune-up limit (dBm) | MPR (dB) |  |
| Channel               |            |         |           | 631234                | 633334                   | 635345                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3470                  | 3501                     | 3530                   | 19.0                | 0.0      |  |
| 40                    | QPSK       | 1       | 1         | 1732                  | 1726                     | 1727                   | Tune-up limit (dBm) | MPR (dB) |  |
| Channel               |            |         |           | 631100                | 633334                   | 635688                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3465                  | 3500                     | 3535                   | 19.0                | 0.0      |  |
| 30                    | QPSK       | 1       | 1         | 1732                  | 1733                     | 1732                   | Tune-up limit (dBm) | MPR (dB) |  |
| Channel               |            |         |           | 630834                | 633334                   | 635984                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3462                  | 3501                     | 3537                   | 19.0                | 0.0      |  |
| 25                    | QPSK       | 1       | 1         | 1727                  | 1734                     | 1728                   | Tune-up limit (dBm) | MPR (dB) |  |
| Channel               |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3460                  | 3500                     | 3540                   | 19.0                | 0.0      |  |
| 20                    | QPSK       | 1       | 1         | 1723                  | 1726                     | 1726                   | Tune-up limit (dBm) | MPR (dB) |  |
| Channel               |            |         |           | 630400                | 633334                   | 636178                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3457.5                | 3500                     | 3542.5                 | 19.0                | 0.0      |  |
| 15                    | QPSK       | 1       | 1         | 1727                  | 1734                     | 1731                   | Tune-up limit (dBm) | MPR (dB) |  |
| Channel               |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)       |            |         |           | 3455                  | 3501                     | 3546                   | 19.0                | 0.0      |  |
| 10                    | QPSK       | 1       | 1         | 1724                  | 1733                     | 1725                   | Tune-up limit (dBm) | MPR (dB) |  |

## Reduced Power Mode for Sensor on ENDC

| n2 Ant 1 NSA    |            |         |           |                       |                          |                                               |                               |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|-----------------------------------------------|-------------------------------|----------|--|
| 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         |            |         |           | 372000                | 376000                   | 380000                                        | 17.0                          | 0.0      |  |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                                          |                               |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 16.06                 | 16.21                    | 16.10                                         | 17.0                          | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 53        | 16.09                 | 16.18                    | 16.09                                         |                               |          |  |
| 20              | PI/2 BPSK  | 1       | 104       | 16.07                 | 16.11                    | 16.10                                         |                               |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 16.02                 | 16.19                    | 16.16                                         | 17.0                          | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 28        | 16.06                 | 16.22                    | 16.16                                         | 17.0                          | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 56        | 16.03                 | 16.22                    | 16.17                                         | 17.0                          | 0.0      |  |
| 20              | PI/2 BPSK  | 100     | 0         | 16.08                 | 16.15                    | 16.16                                         |                               |          |  |
| 20              | QPSK       | 1       | 1         | 16.02                 | 16.29                    | 16.08                                         | 17.0                          | 0.0      |  |
| 20              | QPSK       | 1       | 53        | 16.07                 | 16.21                    | 16.09                                         |                               |          |  |
| 20              | QPSK       | 1       | 104       | 16.03                 | 16.11                    | 16.15                                         |                               |          |  |
| 20              | QPSK       | 50      | 0         | 16.07                 | 16.13                    | 16.19                                         | 17.0                          | 0.0      |  |
| 20              | QPSK       | 50      | 28        | 16.02                 | 16.20                    | 16.14                                         | 17.0                          | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 16.08                 | 16.18                    | 16.09                                         | 17.0                          | 0.0      |  |
| 20              | QPSK       | 100     | 0         | 16.04                 | 16.18                    | 16.14                                         |                               |          |  |
| 20              | 16QAM      | 1       | 1         | 16.06                 | 16.19                    | 16.14                                         | 17.0                          | 0.0      |  |
| 20              | 64QAM      | 1       | 1         | 16.08                 | 16.20                    | 16.10                                         | 17.0                          | 0.0      |  |
| 20              | 256QAM     | 1       | 1         | 16.06                 | 16.23                    | 16.11                                         | 17.0                          | 0.0      |  |
| Channel         |            |         |           | 371500                | 376000                   | 380500                                        | Tune-up limit (dBm)           | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                                        | 17.0 <td colspan="2">0.0</td> | 0.0      |  |
| 15              | QPSK       | 1       | 1         | 15.92                 | 16.17                    | 15.93                                         | 17.0                          | 0.0      |  |
| Channel         |            |         |           | 371000                | 376000                   | 381000                                        | Tune-up limit (dBm)           | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1855                  | 1880                     | 1905                                          | 17.0                          | 0.0      |  |
| 10              | QPSK       | 1       | 1         | 15.88                 | 16.04                    | 15.89                                         | 17.0                          | 0.0      |  |
| Channel         |            |         |           | 370500                | 376000                   | 381500                                        | Tune-up limit (dBm)           | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1852.5                | 1880                     | 1907.5 <td>17.0</td> <td colspan="2">0.0</td> | 17.0                          | 0.0      |  |
| 5               | QPSK       | 1       | 1         | 15.83                 | 16.14                    | 15.80                                         | 17.0                          | 0.0      |  |

| n5 Ant 1 NSA    |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           | 166800                | 167300                   | 167800                 | 20.5                | 0.0      |  |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 20.04                 | 20.13                    | 20.02                  | 20.5                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 53        | 20.07                 | 20.03                    | 20.06                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 104       | 20.06                 | 20.09                    | 19.99                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 20.06                 | 20.05                    | 20.01                  | 20.5                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 28        | 20.04                 | 20.07                    | 20.03                  | 20.5                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 56        | 20.01                 | 20.03                    | 19.98                  | 20.5                | 0.0      |  |
| 20              | PI/2 BPSK  | 100     | 0         | 20.06                 | 20.10                    | 20.02                  |                     |          |  |
| 20              | QPSK       | 1       | 1         | 20.10                 | 20.14                    | 19.96                  | 20.5                | 0.0      |  |
| 20              | QPSK       | 1       | 53        | 20.03                 | 20.12                    | 19.95                  |                     |          |  |
| 20              | QPSK       | 1       | 104       | 20.01                 | 20.12                    | 20.05                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 20.11                 | 20.07                    | 20.06                  | 20.5                | 0.0      |  |
| 20              | QPSK       | 50      | 28        | 20.01                 | 20.12                    | 19.97                  | 20.5                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 20.10                 | 20.10                    | 20.02                  | 20.5                | 0.0      |  |
| 20              | QPSK       | 100     | 0         | 20.01                 | 20.03                    | 19.98                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 20.08                 | 20.04                    | 20.06                  | 20.5                | 0.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.11                 | 20.08                    | 19.96                  | 20.5                | 0.0      |  |
| 20              | 256QAM     | 1       | 1         | 19.06                 | 19.10                    | 19.00                  | 19.5                | 1.0      |  |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  | 20.5                | 0.0      |  |
| 15              | QPSK       | 1       | 40        | 19.95                 | 19.99                    | 19.88                  | 20.5                | 0.0      |  |
| Channel         |            |         |           | 165800                | 167300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    | 20.5                | 0.0      |  |
| 10              | QPSK       | 1       | 26        | 19.90                 | 19.89                    | 19.75                  | 20.5                | 0.0      |  |
| Channel         |            |         |           | 165300                | 167300                   | 169300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  | 20.5                | 0.0      |  |
| 5               | QPSK       | 1       | 13        | 19.82                 | 19.96                    | 19.76                  | 20.5                | 0.0      |  |

| n25 Ant 1 NSA   |            |         |           |                             |                                |                              |                        |             |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           | 374000                      | 376500                         | 379000                       |                        |             |
| Frequency (MHz) |            |         |           | 1870                        | 1882.5                         | 1895                         |                        |             |
| 40              | PI/2 BPSK  | 1       | 1         | 16.22                       | 16.42                          | 16.30                        | 17.0                   | 0.0         |
| 40              | PI/2 BPSK  | 1       | 108       | 16.20                       | 16.32                          | 16.21                        |                        |             |
| 40              | PI/2 BPSK  | 1       | 214       | 16.22                       | 16.22                          | 16.21                        |                        |             |
| 40              | PI/2 BPSK  | 108     | 0         | 16.14                       | 16.37                          | 16.26                        |                        |             |
| 40              | PI/2 BPSK  | 108     | 54        | 16.23                       | 16.32                          | 16.32                        | 17.0                   | 0.0         |
| 40              | PI/2 BPSK  | 108     | 108       | 16.22                       | 16.33                          | 16.37                        | 17.0                   | 0.0         |
| 40              | PI/2 BPSK  | 216     | 0         | 16.26                       | 16.32                          | 16.25                        |                        |             |
| 40              | QPSK       | 1       | 1         | 16.13                       | 16.46                          | 16.21                        | 17.0                   | 0.0         |
| 40              | QPSK       | 1       | 108       | 16.18                       | 16.37                          | 16.21                        |                        |             |
| 40              | QPSK       | 1       | 214       | 16.16                       | 16.24                          | 16.35                        |                        |             |
| 40              | QPSK       | 108     | 0         | 16.21                       | 16.41                          | 16.40                        |                        |             |
| 40              | QPSK       | 108     | 54        | 16.17                       | 16.31                          | 16.24                        | 17.0                   | 0.0         |
| 40              | QPSK       | 108     | 108       | 16.20                       | 16.33                          | 16.25                        | 17.0                   | 0.0         |
| 40              | QPSK       | 216     | 0         | 16.22                       | 16.37                          | 16.25                        |                        |             |
| 40              | 16QAM      | 1       | 1         | 16.24                       | 16.31                          | 16.23                        | 17.0                   | 0.0         |
| 40              | 64QAM      | 1       | 1         | 16.22                       | 16.36                          | 16.24                        | 17.0                   | 0.0         |
| 40              | 256QAM     | 1       | 1         | 16.26                       | 16.37                          | 16.28                        | 17.0                   | 0.0         |
| Channel         |            |         |           | 373000                      | 376500                         | 380000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1865                        | 1882.5                         | 1900                         |                        |             |
| 30              | QPSK       | 1       | 1         | 15.99                       | 16.31                          | 16.12                        | 17.0                   | 0.0         |
| Channel         |            |         |           | 372500                      | 376500                         | 380500                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1862.5                      | 1882.5                         | 1902.5                       |                        |             |
| 25              | QPSK       | 1       | 1         | 15.91                       | 16.19                          | 15.99                        | 17.0                   | 0.0         |
| Channel         |            |         |           | 372000                      | 376500                         | 381000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1860                        | 1882.5                         | 1905                         |                        |             |
| 20              | QPSK       | 1       | 1         | 15.92                       | 16.17                          | 16.06                        | 17.0                   | 0.0         |
| Channel         |            |         |           | 371500                      | 376500                         | 381500                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1857.5                      | 1882.5                         | 1907.5                       |                        |             |
| 15              | QPSK       | 1       | 1         | 15.92                       | 16.27                          | 16.03                        | 17.0                   | 0.0         |
| Channel         |            |         |           | 371000                      | 376500                         | 382000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1855                        | 1882.5                         | 1910                         |                        |             |
| 10              | QPSK       | 1       | 1         | 15.90                       | 16.19                          | 15.99                        | 17.0                   | 0.0         |
| Channel         |            |         |           | 370500                      | 376500                         | 382500                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz) |            |         |           | 1852.5                      | 1882.5                         | 1912.5                       |                        |             |
| 5               | QPSK       | 1       | 1         | 15.96                       | 16.26                          | 15.98                        | 17.0                   | 0.0         |

| n66 Ant 1 NSA   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           | 346000                | 349000                   | 352000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1730                  | 1745                     | 1760                   |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 1         | 17.32                 | 17.49                    | 17.35                  |                     |          |  |
| 40              | PI/2 BPSK  | 1       | 108       | 17.41                 | 17.43                    | 17.34                  | 18.5                | 0.0      |  |
| 40              | PI/2 BPSK  | 1       | 214       | 17.33                 | 17.44                    | 17.27                  |                     |          |  |
| 40              | PI/2 BPSK  | 108     | 0         | 17.34                 | 17.48                    | 17.27                  | 18.5                | 0.0      |  |
| 40              | PI/2 BPSK  | 108     | 54        | 17.35                 | 17.44                    | 17.38                  | 18.5                | 0.0      |  |
| 40              | PI/2 BPSK  | 108     | 108       | 17.36                 | 17.45                    | 17.28                  |                     |          |  |
| 40              | PI/2 BPSK  | 216     | 0         | 17.33                 | 17.38                    | 17.35                  | 18.5                | 0.0      |  |
| 40              | QPSK       | 1       | 1         | 17.36                 | 17.51                    | 17.38                  |                     |          |  |
| 40              | QPSK       | 1       | 108       | 17.35                 | 17.48                    | 17.37                  | 18.5                | 0.0      |  |
| 40              | QPSK       | 1       | 214       | 17.36                 | 17.47                    | 17.33                  |                     |          |  |
| 40              | QPSK       | 108     | 0         | 17.35                 | 17.41                    | 17.32                  | 18.5                | 0.0      |  |
| 40              | QPSK       | 108     | 54        | 17.32                 | 17.49                    | 17.31                  | 18.5                | 0.0      |  |
| 40              | QPSK       | 108     | 108       | 17.43                 | 17.38                    | 17.27                  | 18.5                | 0.0      |  |
| 40              | QPSK       | 216     | 0         | 17.40                 | 17.48                    | 17.29                  |                     |          |  |
| 40              | 16QAM      | 1       | 1         | 17.40                 | 17.42                    | 17.37                  | 18.5                | 0.0      |  |
| 40              | 64QAM      | 1       | 1         | 17.36                 | 17.41                    | 17.28                  | 18.5                | 0.0      |  |
| 40              | 256QAM     | 1       | 1         | 17.36                 | 17.41                    | 17.28                  | 18.5                | 0.0      |  |
| Channel         |            |         |           | 345000                | 349000                   | 353000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1725                  | 1745                     | 1765                   |                     |          |  |
| 30              | QPSK       | 1       | 1         | 17.29                 | 17.22                    | 17.32                  | 18.5                | 0.0      |  |
| Channel         |            |         |           | 344000                | 349000                   | 354000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |          |  |
| 20              | QPSK       | 1       | 1         | 17.22                 | 17.12                    | 17.19                  | 18.5                | 0.0      |  |
| Channel         |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 17.22                 | 17.16                    | 17.26                  | 18.5                | 0.0      |  |
| Channel         |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 17.21                 | 17.16                    | 17.25                  | 18.5                | 0.0      |  |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |          |  |
| 5               | QPSK       | 1       | 1         | 17.15                 | 17.16                    | 17.27                  | 18.5                | 0.0      |  |

| n71 Ant 1 NSA   |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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         |            |         |           | 134600                | 136100                   | 137600                 |                     |          |  |
| Frequency (MHz) |            |         |           | 673                   | 680.5                    | 688                    |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 24.26                 | 24.40                    | 24.35                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 53        | 24.17                 | 24.28                    | 24.16                  | 25.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 104       | 24.30                 | 24.33                    | 24.32                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 23.98                 | 23.99                    | 24.01                  | 24.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 50      | 28        | 24.34                 | 24.27                    | 24.29                  | 25.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 56        | 23.90                 | 23.94                    | 23.89                  | 24.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 100     | 0         | 23.90                 | 23.89                    | 23.91                  |                     |          |  |
| 20              | QPSK       | 1       | 1         | 24.43                 | 24.44                    | 24.38                  |                     |          |  |
| 20              | QPSK       | 1       | 53        | 24.29                 | 24.36                    | 24.32                  | 25.0                | 0.0      |  |
| 20              | QPSK       | 1       | 104       | 24.35                 | 24.41                    | 24.34                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 23.38                 | 23.46                    | 23.46                  | 24.0                | 1.0      |  |
| 20              | QPSK       | 50      | 28        | 24.29                 | 24.36                    | 24.28                  | 25.0                | 0.0      |  |
| 20              | QPSK       | 50      | 56        | 23.39                 | 23.45                    | 23.50                  | 24.0                | 1.0      |  |
| 20              | QPSK       | 100     | 0         | 23.40                 | 23.54                    | 23.47                  |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 23.40                 | 23.38                    | 23.38                  | 24.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 21.89                 | 22.01                    | 21.87                  | 22.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 19.90                 | 19.98                    | 19.93                  | 20.5                | 4.5      |  |
| Channel         |            |         |           | 134100                | 136100                   | 138100                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 670.5                 | 680.5                    | 690.5                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 24.28                 | 24.38                    | 24.26                  | 25.0                | 0.0      |  |
| Channel         |            |         |           | 133600                | 136100                   | 138600                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 668                   | 680.5                    | 693                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 24.32                 | 24.42                    | 24.30                  | 25.0                | 0.0      |  |
| Channel         |            |         |           | 133100                | 136100                   | 139100                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 665.5                 | 680.5                    | 695.5                  |                     |          |  |
| 5               | QPSK       | 1       | 1         | 24.26                 | 24.39                    | 24.25                  | 25.0                | 0.0      |  |

| n41 HPUE Ant 1 NSA |            |         |           |                             |                                |                              |                        |             |
|--------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| BW [MHz]           | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel            |            |         |           | 509202                      | 518598                         | 528000                       |                        |             |
| Frequency (MHz)    |            |         |           | 2546.01                     | 2592.99                        | 2640                         |                        |             |
| 100                | PI/2 BPSK  | 1       | 1         | 20.87                       | 20.99                          | 21.00                        | 21.5                   | 0.0         |
| 100                | PI/2 BPSK  | 1       | 137       | 20.92                       | 20.96                          | 21.00                        |                        |             |
| 100                | PI/2 BPSK  | 1       | 271       | 20.92                       | 20.96                          | 20.94                        |                        |             |
| 100                | PI/2 BPSK  | 135     | 0         | 20.87                       | 20.95                          | 20.96                        |                        |             |
| 100                | PI/2 BPSK  | 135     | 69        | 20.95                       | 20.98                          | 21.01                        | 21.5                   | 0.0         |
| 100                | PI/2 BPSK  | 135     | 138       | 20.89                       | 20.96                          | 20.99                        | 21.5                   | 0.0         |
| 100                | PI/2 BPSK  | 270     | 0         | 20.94                       | 20.96                          | 20.90                        |                        |             |
| 100                | QPSK       | 1       | 1         | 20.92                       | 21.09                          | 20.98                        | 21.5                   | 0.0         |
| 100                | QPSK       | 1       | 137       | 20.94                       | 21.00                          | 20.98                        |                        |             |
| 100                | QPSK       | 1       | 271       | 20.91                       | 21.00                          | 20.94                        |                        |             |
| 100                | QPSK       | 135     | 0         | 20.86                       | 21.02                          | 20.94                        |                        |             |
| 100                | QPSK       | 135     | 69        | 20.88                       | 21.06                          | 21.00                        | 21.5                   | 0.0         |
| 100                | QPSK       | 135     | 138       | 20.95                       | 21.05                          | 21.00                        | 21.5                   | 0.0         |
| 100                | QPSK       | 270     | 0         | 20.88                       | 21.02                          | 20.92                        |                        |             |
| 100                | 16QAM      | 1       | 1         | 20.92                       | 21.05                          | 20.92                        | 21.5                   | 0.0         |
| 100                | 64QAM      | 1       | 1         | 20.96                       | 21.05                          | 20.92                        | 21.5                   | 0.0         |
| 100                | 256QAM     | 1       | 1         | 20.90                       | 21.02                          | 20.93                        | 21.5                   | 0.0         |
| Channel            |            |         |           | 508200                      | 518598                         | 528996                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)    |            |         |           | 2541                        | 2592.99                        | 2644.98                      |                        |             |
| 90                 | QPSK       | 1       | 1         | 20.86                       | 20.97                          | 20.94                        | 21.5                   | 0.0         |
| Channel            |            |         |           | 507204                      | 518598                         | 529998                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)    |            |         |           | 2536.02                     | 2592.99                        | 2649.99                      |                        |             |
| 80                 | QPSK       | 1       | 1         | 20.75                       | 20.89                          | 20.81                        | 21.5                   | 0.0         |
| Channel            |            |         |           | 505200                      | 518598                         | 531996                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)    |            |         |           | 2526                        | 2592.99                        | 2659.98                      |                        |             |
| 60                 | QPSK       | 1       | 1         | 20.78                       | 20.94                          | 20.90                        | 21.5                   | 0.0         |
| Channel            |            |         |           | 504204                      | 518598                         | 532998                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)    |            |         |           | 2521.02                     | 2592.99                        | 2664.99                      |                        |             |
| 50                 | QPSK       | 1       | 1         | 20.74                       | 20.92                          | 20.92                        | 21.5                   | 0.0         |
| Channel            |            |         |           | 503202                      | 518598                         | 534000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)    |            |         |           | 2516.01                     | 2592.99                        | 2670                         |                        |             |
| 40                 | QPSK       | 1       | 1         | 20.77                       | 20.94                          | 20.80                        | 21.5                   | 0.0         |
| Channel            |            |         |           | 502200                      | 518598                         | 534996                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)    |            |         |           | 2511                        | 2592.99                        | 2674.98                      |                        |             |
| 30                 | QPSK       | 1       | 1         | 20.75                       | 20.89                          | 20.82                        | 21.5                   | 0.0         |
| Channel            |            |         |           | 501204                      | 518598                         | 535998                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)    |            |         |           | 2506.02                     | 2592.99                        | 2679.99                      |                        |             |
| 20                 | QPSK       | 1       | 1         | 20.81                       | 20.84                          | 20.88                        | 21.5                   | 0.0         |
| Channel            |            |         |           | 500700                      | 518598                         | 536496                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)    |            |         |           | 2503.5                      | 2592.99                        | 2682.48                      |                        |             |
| 15                 | QPSK       | 1       | 1         | 20.80                       | 20.84                          | 20.92                        | 21.5                   | 0.0         |
| Channel            |            |         |           | 500202                      | 518598                         | 537000                       | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Frequency (MHz)    |            |         |           | 2501.01                     | 2592.99                        | 2685                         |                        |             |
| 10                 | QPSK       | 1       | 1         | 20.82                       | 20.94                          | 20.82                        | 21.5                   | 0.0         |

| n2 Ant 2 NSA    |            |         |           |                             |                                |                              |                        |             |  |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel         |            |         |           | 372000                      | 376000                         | 380000                       | 19.0                   | 0.0         |  |
| Frequency (MHz) |            |         |           | 1860                        | 1880                           | 1900                         |                        |             |  |
| 20              | PI/2 BPSK  | 1       | 1         | 17.97                       | 18.08                          | 18.03                        |                        |             |  |
| 20              | PI/2 BPSK  | 1       | 53        | 18.04                       | 18.07                          | 18.03                        | 19.0                   | 0.0         |  |
| 20              | PI/2 BPSK  | 1       | 104       | 18.04                       | 18.17                          | 18.02                        |                        |             |  |
| 20              | PI/2 BPSK  | 50      | 0         | 18.03                       | 18.08                          | 18.00                        |                        |             |  |
| 20              | PI/2 BPSK  | 50      | 28        | 17.93                       | 18.16                          | 18.01                        | 19.0                   | 0.0         |  |
| 20              | PI/2 BPSK  | 50      | 56        | 17.94                       | 18.13                          | 18.05                        |                        |             |  |
| 20              | PI/2 BPSK  | 100     | 0         | 17.97                       | 18.12                          | 17.96                        |                        |             |  |
| 20              | QPSK       | 1       | 1         | 18.16                       | 18.24                          | 18.20                        | 19.0                   | 0.0         |  |
| 20              | QPSK       | 1       | 53        | 18.00                       | 18.15                          | 17.96                        |                        |             |  |
| 20              | QPSK       | 1       | 104       | 17.93                       | 18.13                          | 18.02                        |                        |             |  |
| 20              | QPSK       | 50      | 0         | 17.94                       | 18.10                          | 17.97                        | 19.0                   | 0.0         |  |
| 20              | QPSK       | 50      | 28        | 18.12                       | 18.21                          | 18.12                        |                        |             |  |
| 20              | QPSK       | 50      | 56        | 18.01                       | 18.08                          | 18.03                        |                        |             |  |
| 20              | QPSK       | 100     | 0         | 18.06                       | 18.20                          | 18.08                        | 19.0                   | 0.0         |  |
| 20              | 16QAM      | 1       | 1         | 17.97                       | 18.10                          | 18.02                        |                        |             |  |
| 20              | 64QAM      | 1       | 1         | 18.00                       | 18.10                          | 17.96                        |                        |             |  |
| 20              | 256QAM     | 1       | 1         | 18.03                       | 18.09                          | 18.06                        | 19.0                   | 0.0         |  |
| Channel         |            |         |           | 371500                      | 376000                         | 380500                       |                        |             |  |
| Frequency (MHz) |            |         |           | 1857.5                      | 1880                           | 1902.5                       |                        |             |  |
| 15              | QPSK       | 1       | 1         | 17.96                       | 18.17                          | 18.01                        | 19.0                   | 0.0         |  |
| Channel         |            |         |           | 371000                      | 376000                         | 381000                       |                        |             |  |
| Frequency (MHz) |            |         |           | 1855                        | 1880                           | 1905                         |                        |             |  |
| 10              | QPSK       | 1       | 1         | 17.92                       | 18.04                          | 17.91                        | 19.0                   | 0.0         |  |
| Channel         |            |         |           | 370500                      | 376000                         | 381500                       |                        |             |  |
| Frequency (MHz) |            |         |           | 1852.5                      | 1880                           | 1907.5                       |                        |             |  |
| 5               | QPSK       | 1       | 1         | 17.84                       | 18.06                          | 17.87                        | 19.0                   | 0.0         |  |
| Channel         |            |         |           |                             |                                |                              |                        |             |  |
| Frequency (MHz) |            |         |           |                             |                                |                              |                        |             |  |

| n66 Ant 2 NSA   |            |         |           |                             |                                |                              |                        |             |  |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |  |
| Channel         |            |         |           | 346000                      | 349000                         | 352000                       | 20.0                   | 0.0         |  |
| Frequency (MHz) |            |         |           | 1730                        | 1745                           | 1760                         |                        |             |  |
| 40              | PI/2 BPSK  | 1       | 1         | 18.87                       | 18.90                          | 18.87                        |                        |             |  |
| 40              | PI/2 BPSK  | 1       | 108       | 18.83                       | 18.81                          | 18.82                        | 20.0                   | 0.0         |  |
| 40              | PI/2 BPSK  | 1       | 214       | 18.88                       | 18.90                          | 18.77                        |                        |             |  |
| 40              | PI/2 BPSK  | 108     | 0         | 18.80                       | 18.84                          | 18.82                        |                        |             |  |
| 40              | PI/2 BPSK  | 108     | 54        | 18.87                       | 18.82                          | 18.85                        | 20.0                   | 0.0         |  |
| 40              | PI/2 BPSK  | 108     | 108       | 18.91                       | 18.85                          | 18.89                        |                        |             |  |
| 40              | PI/2 BPSK  | 216     | 0         | 18.87                       | 18.90                          | 18.87                        |                        |             |  |
| 40              | QPSK       | 1       | 1         | 18.92                       | 18.97                          | 18.91                        | 20.0                   | 0.0         |  |
| 40              | QPSK       | 1       | 108       | 18.89                       | 18.92                          | 18.86                        |                        |             |  |
| 40              | QPSK       | 1       | 214       | 18.86                       | 18.86                          | 18.79                        |                        |             |  |
| 40              | QPSK       | 108     | 0         | 18.91                       | 18.83                          | 18.86                        | 20.0                   | 0.0         |  |
| 40              | QPSK       | 108     | 54        | 18.90                       | 18.95                          | 18.86                        |                        |             |  |
| 40              | QPSK       | 108     | 108       | 18.82                       | 18.90                          | 18.88                        |                        |             |  |
| 40              | QPSK       | 216     | 0         | 18.91                       | 18.92                          | 18.88                        | 20.0                   | 0.0         |  |
| 40              | 16QAM      | 1       | 1         | 18.82                       | 18.91                          | 18.82                        |                        |             |  |
| 40              | 64QAM      | 1       | 1         | 18.84                       | 18.91                          | 18.85                        |                        |             |  |
| 40              | 256QAM     | 1       | 1         | 18.91                       | 18.83                          | 18.81                        | 20.0                   | 0.0         |  |
| Channel         |            |         |           | 345000                      | 349000                         | 353000                       |                        |             |  |
| Frequency (MHz) |            |         |           | 1725                        | 1745                           | 1765                         |                        |             |  |
| 30              | QPSK       | 1       | 1         | 18.89                       | 18.83                          | 18.87                        | 20.0                   | 0.0         |  |
| Channel         |            |         |           | 344000                      | 349000                         | 354000                       |                        |             |  |
| Frequency (MHz) |            |         |           | 1720                        | 1745                           | 1770                         |                        |             |  |
| 20              | QPSK       | 1       | 1         | 18.82                       | 18.78                          | 18.73                        | 20.0                   | 0.0         |  |
| Channel         |            |         |           | 343500                      | 349000                         | 354500                       |                        |             |  |
| Frequency (MHz) |            |         |           | 1717.5                      | 1745                           | 1772.5                       |                        |             |  |
| 15              | QPSK       | 1       | 1         | 18.84                       | 18.70                          | 18.78                        | 20.0                   | 0.0         |  |
| Channel         |            |         |           | 343000                      | 349000                         | 355000                       |                        |             |  |
| Frequency (MHz) |            |         |           | 1715                        | 1745                           | 1775                         |                        |             |  |
| 10              | QPSK       | 1       | 1         | 18.76                       | 18.69                          | 18.80                        | 20.0                   | 0.0         |  |
| Channel         |            |         |           | 342500                      | 349000                         | 355500                       |                        |             |  |
| Frequency (MHz) |            |         |           | 1712.5                      | 1745                           | 1777.5                       |                        |             |  |
| 5               | QPSK       | 1       | 1         | 18.79                       | 18.75                          | 18.74                        | 20.0                   | 0.0         |  |
| Channel         |            |         |           |                             |                                |                              |                        |             |  |
| Frequency (MHz) |            |         |           |                             |                                |                              |                        |             |  |

| n41 HPUE Ant 8 NSA |            |         |           |                       |                          |                        |                     |          |     |
|--------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| 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            |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |          |     |
| Frequency (MHz)    |            |         |           | 5050.02               | 5189.98                  | 5280.00                |                     |          |     |
| 100                | Pl2 BPSK   | 1       | 1         | 12.59                 | 12.84                    | 12.82                  |                     | 14.0     | 0.0 |
| 100                | Pl2 BPSK   | 1       | 137       | 12.58                 | 12.87                    | 12.83                  |                     |          |     |
| 100                | Pl2 BPSK   | 1       | 271       | 12.49                 | 12.79                    | 12.83                  |                     |          |     |
| 100                | Pl2 BPSK   | 135     | 0         | 12.51                 | 12.84                    | 12.84                  | 14.0                |          |     |
| 100                | Pl2 BPSK   | 136     | 69        | 12.55                 | 12.81                    | 12.85                  | 14.0                | 0.0      | 0.0 |
| 100                | Pl2 BPSK   | 136     | 136       | 12.58                 | 12.78                    | 12.88                  |                     |          |     |
| 100                | Pl2 BPSK   | 270     | 0         | 12.59                 | 12.81                    | 12.88                  |                     |          |     |
| 100                | QPSK       | 1       | 1         | 12.58                 | 12.99                    | 12.82                  |                     |          |     |
| 100                | QPSK       | 1       | 197       | 12.56                 | 12.84                    | 12.88                  |                     | 14.0     | 0.0 |
| 100                | QPSK       | 1       | 271       | 12.56                 | 12.86                    | 12.89                  |                     |          |     |
| 100                | QPSK       | 136     | 0         | 12.57                 | 12.93                    | 12.84                  | 14.0                |          |     |
| 100                | QPSK       | 136     | 69        | 12.55                 | 12.90                    | 12.86                  |                     |          |     |
| 100                | QPSK       | 270     | 0         | 12.56                 | 12.95                    | 12.78                  |                     | 14.0     | 0.0 |
| 100                | 16QAM      | 1       | 1         | 12.55                 | 12.87                    | 12.78                  | 14.0                |          |     |
| 100                | 64QAM      | 1       | 1         | 12.56                 | 12.89                    | 12.85                  | 14.0                |          |     |
| 100                | 256QAM     | 1       | 1         | 12.58                 | 12.90                    | 12.85                  | 14.0                |          |     |
| Channel            |            |         |           | 5062.00               | 5189.98                  | 5369.98                | Tune-up limit (dBm) |          |     |
| Frequency (MHz)    |            |         |           | 2541                  | 2592.99                  | 2644.98                | 14.0                |          |     |
| 90                 | QPSK       | 1       | 1         | 12.51                 | 12.70                    | 12.75                  |                     | 14.0     | 0.0 |
| Channel            |            |         |           | 5072.04               | 5189.98                  | 5259.98                | Tune-up limit (dBm) |          |     |
| Frequency (MHz)    |            |         |           | 2636.02               | 2592.99                  | 2649.98                |                     |          |     |
| 80                 | QPSK       | 1       | 1         | 12.48                 | 12.65                    | 12.70                  | 14.0                |          |     |
| Channel            |            |         |           | 5050.00               | 5189.98                  | 5319.96                | Tune-up limit (dBm) |          |     |
| Frequency (MHz)    |            |         |           | 2526                  | 2592.99                  | 2659.98                |                     |          |     |
| 60                 | QPSK       | 1       | 1         | 12.39                 | 12.63                    | 12.62                  | 14.0                | 0.0      | 0.0 |
| Channel            |            |         |           | 5043.04               | 5189.98                  | 5329.98                | Tune-up limit (dBm) |          |     |
| Frequency (MHz)    |            |         |           | 2521.02               | 2592.99                  | 2664.99                |                     |          |     |
| 50                 | QPSK       | 1       | 1         | 12.40                 | 12.64                    | 12.67                  | 14.0                |          |     |
| Channel            |            |         |           | 5032.02               | 5189.98                  | 5340.00                | Tune-up limit (dBm) |          |     |
| Frequency (MHz)    |            |         |           | 2517.01               | 2592.99                  | 2670                   |                     |          |     |
| 40                 | QPSK       | 1       | 1         | 12.45                 | 12.61                    | 12.73                  | 14.0                | 0.0      | 0.0 |
| Channel            |            |         |           | 5022.00               | 5189.98                  | 5369.98                | Tune-up limit (dBm) |          |     |
| Frequency (MHz)    |            |         |           | 2511                  | 2592.99                  | 2674.98                |                     |          |     |
| 30                 | QPSK       | 1       | 1         | 12.41                 | 12.57                    | 12.67                  | 14.0                |          |     |
| Channel            |            |         |           | 5012.04               | 5189.98                  | 5399.98                | Tune-up limit (dBm) |          |     |
| Frequency (MHz)    |            |         |           | 2506.02               | 2592.99                  | 2679.99                |                     |          |     |
| 20                 | QPSK       | 1       | 1         | 12.39                 | 12.60                    | 12.68                  | 14.0                | 0.0      | 0.0 |
| Channel            |            |         |           | 5007.00               | 5189.98                  | 5374.99                | Tune-up limit (dBm) |          |     |
| Frequency (MHz)    |            |         |           | 2503.5                | 2592.99                  | 2682.48                |                     |          |     |
| 15                 | QPSK       | 1       | 1         | 12.42                 | 12.59                    | 12.66                  | 14.0                |          |     |
| Channel            |            |         |           | 5002.02               | 5189.98                  | 5370.00                | Tune-up limit (dBm) |          |     |
| Frequency (MHz)    |            |         |           | 2501.01               | 2592.98                  | 2685                   |                     |          |     |
| 10                 | QPSK       | 1       | 1         | 12.43                 | 12.61                    | 12.63                  | 14.0                |          |     |

| Par270 n77 HPUE Ant 8 NSA |            |         |           |                               |                                  |                                |                     |          |     |
|---------------------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|---------------------|----------|-----|
| BW (MHz)                  | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 6500.00 | Power Middle Ch. / Freq. 6600.00 | Power High Ch. / Freq. 6600.00 | Tune-up limit (dbm) | MPR (db) |     |
| Channel                   |            |         |           | 3750                          | 3840                             | 3930                           |                     |          |     |
| Frequency (MHz)           |            |         |           |                               |                                  |                                |                     |          |     |
| 100                       | P2 BPSK    | 1       | 1         | 11.30                         | 11.45                            | 11.37                          |                     | 12.5     | 0.0 |
| 100                       | P2 BPSK    | 1       | 137       | 11.32                         | 11.41                            | 11.34                          |                     |          |     |
| 100                       | P2 BPSK    | 1       | 271       | 11.34                         | 11.45                            | 11.38                          |                     |          |     |
| 100                       | P2 BPSK    | 135     | 0         | 11.28                         | 11.44                            | 11.31                          | 12.5                |          |     |
| 100                       | P2 BPSK    | 135     | 69        | 11.31                         | 11.45                            | 11.39                          | 12.5                | 0.0      | 0.0 |
| 100                       | P2 BPSK    | 135     | 136       | 11.35                         | 11.40                            | 11.36                          |                     |          |     |
| 100                       | P2 BPSK    | 270     | 0         | 11.34                         | 11.42                            | 11.41                          | 12.5                |          |     |
| 100                       | QPSK       | 1       | 1         | 11.45                         | 11.55                            | 11.47                          |                     | 12.5     | 0.0 |
| 100                       | QPSK       | 1       | 197       | 11.31                         | 11.50                            | 11.33                          |                     |          |     |
| 100                       | QPSK       | 1       | 271       | 11.26                         | 11.48                            | 11.32                          |                     |          |     |
| 100                       | QPSK       | 135     | 0         | 11.34                         | 11.39                            | 11.38                          | 12.5                |          |     |
| 100                       | QPSK       | 135     | 69        | 11.35                         | 11.52                            | 11.45                          | 12.5                | 1.0      | 0.0 |
| 100                       | QPSK       | 136     | 136       | 11.35                         | 11.44                            | 11.42                          | 12.5                |          |     |
| 100                       | QPSK       | 270     | 0         | 11.35                         | 11.51                            | 11.43                          |                     |          |     |
| 100                       | 16QAM      | 1       | 1         | 11.34                         | 11.40                            | 11.37                          | 12.5                |          |     |
| 100                       | 64QAM      | 1       | 1         | 11.32                         | 11.46                            | 11.36                          | 12.5                | 0.0      | 0.0 |
| 100                       | 256QAM     | 1       | 1         | 11.30                         | 11.46                            | 11.39                          | 12.5                |          |     |
| Channel                   |            |         |           | 6499.86                       | 6500.00                          | 6639.24                        | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)           |            |         |           | 3745.02                       | 3840                             | 3935.01                        |                     |          |     |
| 90                        | QPSK       | 1       | 1         | 11.25                         | 11.41                            | 11.36                          | 12.5                | 0.0      | 0.0 |
| Channel                   |            |         |           | 6493.34                       | 6500.00                          | 6626.68                        | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)           |            |         |           | 3740.01                       | 3840                             | 3940.02                        |                     |          |     |
| 80                        | QPSK       | 1       | 1         | 11.13                         | 11.38                            | 11.32                          | 12.5                | 0.0      | 0.0 |
| Channel                   |            |         |           | 6490.00                       | 6500.00                          | 6630.00                        | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)           |            |         |           | 3735                          | 3840                             | 3945                           |                     |          |     |
| 70                        | QPSK       | 1       | 1         | 11.13                         | 11.38                            | 11.30                          | 12.5                | 0.0      | 0.0 |
| Channel                   |            |         |           | 6489.98                       | 6500.00                          | 6633.34                        | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)           |            |         |           | 3730.02                       | 3840                             | 3950.01                        |                     |          |     |
| 60                        | QPSK       | 1       | 1         | 11.20                         | 11.38                            | 11.25                          | 12.5                | 0.0      | 0.0 |
| Channel                   |            |         |           | 6483.34                       | 6500.00                          | 6635.65                        | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)           |            |         |           | 3725.01                       | 3840                             | 3955.02                        |                     |          |     |
| 50                        | QPSK       | 1       | 1         | 11.15                         | 11.38                            | 11.25                          | 12.5                | 0.0      | 0.0 |
| Channel                   |            |         |           | 6480.00                       | 6500.00                          | 6640.00                        | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)           |            |         |           | 3720                          | 3840                             | 3960                           |                     |          |     |
| 40                        | QPSK       | 1       | 1         | 11.13                         | 11.30                            | 11.26                          | 12.5                | 0.0      | 0.0 |
| Channel                   |            |         |           | 6476.68                       | 6500.00                          | 6643.34                        | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)           |            |         |           | 3715.02                       | 3840                             | 3965.01                        |                     |          |     |
| 30                        | QPSK       | 1       | 1         | 11.13                         | 11.33                            | 11.26                          | 12.5                | 0.0      | 0.0 |
| Channel                   |            |         |           | 6470.00                       | 6500.00                          | 6645.00                        | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)           |            |         |           | 3712.5                        | 3840                             | 3967.5                         |                     |          |     |
| 25                        | QPSK       | 1       | 1         | 11.23                         | 11.32                            | 11.33                          | 12.5                | 0.0      | 0.0 |
| Channel                   |            |         |           | 6473.33                       | 6500.00                          | 6646.66                        | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)           |            |         |           | 3710.01                       | 3840                             | 3972.01                        |                     |          |     |
| 20                        | QPSK       | 1       | 1         | 11.17                         | 11.28                            | 11.23                          | 12.5                | 0.0      | 0.0 |
| Channel                   |            |         |           | 6471.68                       | 6500.00                          | 6648.33                        | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)           |            |         |           | 3707.52                       | 3840                             | 3973.01                        |                     |          |     |
| 15                        | QPSK       | 1       | 1         | 11.14                         | 11.36                            | 11.31                          | 12.5                | 0.0      | 0.0 |
| Channel                   |            |         |           | 6470.00                       | 6500.00                          | 6650.00                        | Tune-up limit (dbm) | MPR (db) |     |
| Frequency (MHz)           |            |         |           | 3705                          | 3840                             | 3975                           |                     |          |     |
| 10                        | QPSK       | 1       | 1         | 11.17                         | 11.28                            | 11.33                          | 12.5                | 0.0      | 0.0 |

| Part27Q n77 HPUE Ant 8 NSA |            |         |           |                       |                          |                        |                     |          |  |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 100                        | Pi2 BPSK   | 1       | 1         |                       | 11.39                    |                        | 12.5                | 0.0      |  |
| 100                        | Pi2 BPSK   | 1       | 137       |                       | 11.30                    |                        |                     |          |  |
| 100                        | Pi2 BPSK   | 1       | 271       |                       | 11.41                    |                        |                     |          |  |
| 100                        | Pi2 BPSK   | 135     | 0         |                       |                          |                        | 12.5                | 0.0      |  |
| 100                        | Pi2 BPSK   | 135     | 69        |                       | 11.34                    |                        | 12.5                | 0.0      |  |
| 100                        | Pi2 BPSK   | 135     | 138       |                       | 11.36                    |                        | 12.5                | 0.0      |  |
| 100                        | Pi2 BPSK   | 270     | 0         |                       | 11.39                    |                        | 12.5                | 0.0      |  |
| 100                        | QPSK       | 1       | 1         |                       |                          |                        | 12.5                | 0.0      |  |
| 100                        | QPSK       | 1       | 137       |                       | 11.42                    |                        |                     |          |  |
| 100                        | QPSK       | 1       | 271       |                       | 11.46                    |                        |                     |          |  |
| 100                        | QPSK       | 135     | 0         |                       | 11.37                    |                        | 12.5                | 1.0      |  |
| 100                        | QPSK       | 135     | 69        |                       | 11.42                    |                        | 12.5                | 0.0      |  |
| 100                        | QPSK       | 135     | 138       |                       | 11.34                    |                        | 12.5                | 1.0      |  |
| 100                        | QPSK       | 270     | 0         |                       | 11.40                    |                        | 12.5                | 0.0      |  |
| 100                        | 16QAM      | 1       | 1         |                       | 11.38                    |                        | 12.5                | 0.0      |  |
| 100                        | 64QAM      | 1       | 1         |                       | 11.36                    |                        | 12.5                | 0.0      |  |
| 100                        | 256QAM     | 1       | 1         |                       | 11.42                    |                        | 12.5                | 0.0      |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 90                         | QPSK       | 1       | 1         | 3495                  | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 80                         | QPSK       | 1       | 1         | 35068                 | 35334                    | 35490                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 70                         | QPSK       | 1       | 1         | 3585.01               | 3600.01                  | 3615.01                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 60                         | QPSK       | 1       | 1         | 36168                 | 36334                    | 36500                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 50                         | QPSK       | 1       | 1         | 3675.02               | 3660.01                  | 3645                   | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 40                         | QPSK       | 1       | 1         | 3747.01               | 3660.01                  | 3630.01                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 30                         | QPSK       | 1       | 1         | 3810.00               | 36334                    | 35668                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 25                         | QPSK       | 1       | 1         | 3844                  | 3600.01                  | 3537.51                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 20                         | QPSK       | 1       | 1         | 39068                 | 36334                    | 35900                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 15                         | QPSK       | 1       | 1         | 3946.02               | 3600.01                  | 3544                   | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 10                         | QPSK       | 1       | 1         | 40134                 | 36334                    | 35818                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 5                          | QPSK       | 1       | 1         | 4075                  | 3600.01                  | 3499.52                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 0                          | QPSK       | 1       | 1         | 4121                  | 36334                    | 35351                  | Tune-up limit (dBm) | MPR (dB) |  |

| Part27Q n78 HPUE Ant 8 NSA |            |         |           |                             |                                |                              |                     |                     |          |
|----------------------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|---------------------|---------------------|----------|
| BW [MHz]                   | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. 60000 | Power Middle Ch. / Freq. 60000 | Power High Ch. / Freq. 60000 | Tune-up limit (dBm) | MPR (dB)            |          |
| Channel                    |            |         |           |                             |                                |                              |                     |                     |          |
| Frequency (MHz)            |            |         |           |                             |                                |                              |                     |                     |          |
| 100                        | Pi2 BPSK   | 1       | 1         | 3750                        | 3750                           | 3750                         |                     | 12.5                | 0.0      |
| 100                        | Pi2 BPSK   | 1       | 137       | 11.38                       |                                |                              |                     |                     |          |
| 100                        | Pi2 BPSK   | 1       | 271       | 11.35                       |                                |                              |                     |                     |          |
| 100                        | Pi2 BPSK   | 135     | 0         | 11.36                       |                                |                              |                     | 12.5                | 0.0      |
| 100                        | Pi2 BPSK   | 135     | 69        | 11.38                       |                                |                              |                     | 12.5                | 0.0      |
| 100                        | Pi2 BPSK   | 135     | 138       | 11.29                       |                                |                              |                     | 12.5                | 0.0      |
| 100                        | Pi2 BPSK   | 270     | 0         | 11.31                       |                                |                              |                     | 12.5                | 0.0      |
| 100                        | QPSK       | 1       | 1         | 11.42                       |                                |                              |                     | 12.5                | 0.0      |
| 100                        | QPSK       | 1       | 137       | 11.35                       |                                |                              |                     |                     |          |
| 100                        | QPSK       | 1       | 271       | 11.34                       |                                |                              |                     |                     |          |
| 100                        | QPSK       | 135     | 0         | 11.33                       |                                |                              |                     | 12.5                | 1.0      |
| 100                        | QPSK       | 135     | 69        | 11.41                       |                                |                              |                     | 12.5                | 0.0      |
| 100                        | QPSK       | 135     | 138       | 11.30                       |                                |                              |                     | 12.5                | 1.0      |
| 100                        | QPSK       | 270     | 0         | 11.35                       |                                |                              |                     | 12.5                | 0.0      |
| 100                        | 16QAM      | 1       | 1         | 11.30                       |                                |                              |                     | 12.5                | 0.0      |
| 100                        | 64QAM      | 1       | 1         | 11.31                       |                                |                              |                     | 12.5                | 0.0      |
| 100                        | 256QAM     | 1       | 1         | 11.36                       |                                |                              |                     | 12.5                | 0.0      |
| Channel                    |            |         |           |                             |                                |                              |                     |                     |          |
| Frequency (MHz)            |            |         |           |                             |                                |                              |                     |                     |          |
| 90                         | QPSK       | 1       | 1         | 3745.02                     | 3750                           | 3755.01                      |                     | Tune-up limit (dBm) | MPR (dB) |
| Channel                    |            |         |           |                             |                                |                              |                     |                     |          |
| Frequency (MHz)            |            |         |           |                             |                                |                              |                     |                     |          |
| 80                         | QPSK       | 1       | 1         | 649334                      | 65000                          | 650668                       |                     | Tune-up limit (dBm) | MPR (dB) |
| Channel                    |            |         |           |                             |                                |                              |                     |                     |          |
| Frequency (MHz)            |            |         |           |                             |                                |                              |                     |                     |          |
| 80                         | QPSK       | 1       | 1         | 3740.01                     | 3750                           | 3760.02                      |                     | Tune-up limit (dBm) | MPR (dB) |
| Channel                    |            |         |           |                             |                                |                              |                     |                     |          |
| Frequency (MHz)            |            |         |           |                             |                                |                              |                     |                     |          |
| 70                         | QPSK       | 1       | 1         | 64900                       | 65000                          | 651334                       |                     | Tune-up limit (dBm) | MPR (dB) |
| Channel                    |            |         |           |                             |                                |                              |                     |                     |          |
| Frequency (MHz)            |            |         |           |                             |                                |                              |                     |                     |          |
| 70                         | QPSK       | 1       | 1         | 3730                        | 3750                           | 3770                         |                     | Tune-up limit (dBm) | MPR (dB) |
| Channel                    |            |         |           |                             |                                |                              |                     |                     |          |
| Frequency (MHz)            |            |         |           |                             |                                |                              |                     |                     |          |
| 60                         | QPSK       | 1       | 1         | 649334                      | 65000                          | 650668                       |                     | Tune-up limit (dBm) | MPR (dB) |
| Channel                    |            |         |           |                             |                                |                              |                     |                     |          |
| Frequency (MHz)            |            |         |           |                             |                                |                              |                     |                     |          |
| 60                         | QPSK       | 1       | 1         | 3725.01                     | 3750                           | 3775.02                      |                     | Tune-up limit (dBm) | MPR (dB) |
| Channel                    |            |         |           |                             |                                |                              |                     |                     |          |
| Frequency (MHz)            |            |         |           |                             |                                |                              |                     |                     |          |
| 50                         | QPSK       | 1       | 1         | 64900                       | 65000                          | 651334                       |                     | Tune-up limit (dBm) | MPR (dB) |
| Channel                    |            |         |           |                             |                                |                              |                     |                     |          |
| Frequency (MHz)            |            |         |           |                             |                                |                              |                     |                     |          |
| 50                         | QPSK       | 1       | 1         | 3720                        | 3750                           | 3780                         |                     | Tune-up limit (dBm) | MPR (dB) |
| Channel                    |            |         |           |                             |                                |                              |                     |                     |          |
| Frequency (MHz)            |            |         |           |                             |                                |                              |                     |                     |          |
| 40                         | QPSK       | 1       | 1         | 647668                      | 65000                          | 652334                       |                     | Tune-up limit (dBm) | MPR (dB) |
| Channel                    |            |         |           |                             |                                |                              |                     |                     |          |
| Frequency (MHz)            |            |         |           |                             |                                |                              |                     |                     |          |
| 40                         | QPSK       | 1       | 1         | 3710.01                     | 3750                           | 3790.02                      |                     | Tune-up limit (dBm) | MPR (dB) |
| Channel                    |            |         |           |                             |                                |                              |                     |                     |          |
| Frequency (MHz)            |            |         |           |                             |                                |                              |                     |                     |          |
| 30                         | QPSK       | 1       | 1         | 647500                      | 65000                          | 652500                       |                     | Tune-up limit (dBm) | MPR (dB) |
| Channel                    |            |         |           |                             |                                |                              |                     |                     |          |
| Frequency (MHz)            |            |         |           |                             |                                |                              |                     |                     |          |
| 30                         | QPSK       | 1       | 1         | 3712.5                      | 3750                           | 3787.5                       |                     | Tune-up limit (dBm) | MPR (dB) |
| Channel                    |            |         |           |                             |                                |                              |                     |                     |          |
| Frequency (MHz)            |            |         |           |                             |                                |                              |                     |                     |          |
| 25                         | QPSK       | 1       | 1         | 647334                      | 65000                          | 652668                       |                     | Tune-up limit (dBm) | MPR (dB) |
| Channel                    |            |         |           |                             |                                |                              |                     |                     |          |
| Frequency (MHz)            |            |         |           |                             |                                |                              |                     |                     |          |
| 25                         | QPSK       | 1       | 1         | 3717.5                      | 3750                           | 3792.5                       |                     | Tune-up limit (dBm) | MPR (dB) |
| Channel                    |            |         |           |                             |                                |                              |                     |                     |          |
| Frequency (MHz)            |            |         |           |                             |                                |                              |                     |                     |          |
| 20                         | QPSK       | 1       | 1         | 647000                      | 65000                          | 653000                       |                     | Tune-up limit (dBm) | MPR (dB) |
| Channel                    |            |         |           |                             |                                |                              |                     |                     |          |
| Frequency (MHz)            |            |         |           |                             |                                |                              |                     |                     |          |
| 20                         | QPSK       | 1       | 1         | 3715.0                      | 3750                           | 3795.0                       |                     | Tune-up limit (dBm) | MPR (dB) |
| Channel                    |            |         |           |                             |                                |                              |                     |                     |          |
| Frequency (MHz)            |            |         |           |                             |                                |                              |                     |                     |          |
| 15                         | QPSK       | 1       | 1         | 647000                      | 65000                          | 653000                       |                     | Tune-up limit (dBm) | MPR (dB) |
| Channel                    |            |         |           |                             |                                |                              |                     |                     |          |
| Frequency (MHz)            |            |         |           |                             |                                |                              |                     |                     |          |
| 15                         | QPSK       | 1       | 1         | 3710.0                      | 3750                           | 3790.0                       |                     | Tune-up limit (dBm) | MPR (dB) |
| Channel                    |            |         |           |                             |                                |                              |                     |                     |          |
| Frequency (MHz)            |            |         |           |                             |                                |                              |                     |                     |          |
| 10                         | QPSK       | 1       | 1         | 647000                      | 65000                          | 653000                       |                     | Tune-up limit (dBm) | MPR (dB) |
| Channel                    |            |         |           |                             |                                |                              |                     |                     |          |
| Frequency (MHz)            |            |         |           |                             |                                |                              |                     |                     |          |
| 10                         | QPSK       | 1       | 1         | 3710.0                      | 3750                           | 3790.0                       |                     | Tune-up limit (dBm) | MPR (dB) |

| Part27Q 78 HPUE Ant 8 NSA |            |         |           |                       |                          |                        |                     |          |     |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| 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                   |            |         |           |                       |                          |                        |                     |          |     |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |     |
| 100                       | Pi2 BPSK   | 1       | 1         |                       | 3500.01                  |                        |                     | 12.5     | 0.0 |
| 100                       | Pi2 BPSK   | 1       | 137       |                       | 11.21                    |                        |                     |          |     |
| 100                       | Pi2 BPSK   | 1       | 271       |                       | 11.23                    |                        |                     |          |     |
| 100                       | Pi2 BPSK   | 135     | 0         |                       | 11.22                    |                        | 12.5                | 0.0      |     |
| 100                       | Pi2 BPSK   | 135     | 69        |                       | 11.25                    |                        | 12.5                | 0.0      |     |
| 100                       | Pi2 BPSK   | 135     | 138       |                       | 11.16                    |                        | 12.5                | 0.0      |     |
| 100                       | Pi2 BPSK   | 270     | 0         |                       | 11.17                    |                        | 12.5                | 0.0      |     |
| 100                       | QPSK       | 1       | 1         |                       | 11.34                    |                        | 12.5                | 0.0      |     |
| 100                       | QPSK       | 1       | 137       |                       | 11.27                    |                        |                     |          |     |
| 100                       | QPSK       | 1       | 271       |                       | 11.28                    |                        |                     |          |     |
| 100                       | QPSK       | 135     | 0         |                       | 11.13                    |                        | 12.5                | 1.0      |     |
| 100                       | QPSK       | 135     | 69        |                       | 11.30                    |                        | 12.5                | 0.0      |     |
| 100                       | QPSK       | 135     | 138       |                       | 11.19                    |                        | 12.5                | 1.0      |     |
| 100                       | QPSK       | 270     | 0         |                       | 11.27                    |                        | 12.5                | 0.0      |     |
| 100                       | 16QAM      | 1       | 1         |                       | 11.23                    |                        | 12.5                | 0.0      |     |
| 100                       | 64QAM      | 1       | 1         |                       | 11.28                    |                        | 12.5                | 0.0      |     |
| 100                       | 256QAM     | 1       | 1         |                       | 11.27                    |                        | 12.5                | 0.0      |     |
| Channel                   |            |         |           |                       |                          |                        |                     |          |     |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |     |
| 90                        | QPSK       | 1       | 1         | 3495                  | 3500.01                  | 3505.02                |                     | MPR (dB) |     |
| Channel                   |            |         |           |                       |                          |                        |                     |          |     |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |     |
| 80                        | QPSK       | 1       | 1         | 10.99                 | 11.25                    | 11.16                  |                     | 12.5     | 0.0 |
| Channel                   |            |         |           |                       |                          |                        |                     |          |     |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |     |
| 70                        | QPSK       | 1       | 1         | 10.91                 | 11.16                    | 11.15                  |                     | 12.5     | 0.0 |
| Channel                   |            |         |           |                       |                          |                        |                     |          |     |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |     |
| 60                        | QPSK       | 1       | 1         | 10.88                 | 11.14                    | 11.11                  |                     | 12.5     | 0.0 |
| Channel                   |            |         |           |                       |                          |                        |                     |          |     |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |     |
| 50                        | QPSK       | 1       | 1         | 10.86                 | 11.22                    | 11.06                  |                     | 12.5     | 0.0 |
| Channel                   |            |         |           |                       |                          |                        |                     |          |     |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |     |
| 40                        | QPSK       | 1       | 1         | 10.80                 | 11.21                    | 11.04                  |                     | 12.5     | 0.0 |
| Channel                   |            |         |           |                       |                          |                        |                     |          |     |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |     |
| 30                        | QPSK       | 1       | 1         | 10.77                 | 11.21                    | 11.04                  |                     | 12.5     | 0.0 |
| Channel                   |            |         |           |                       |                          |                        |                     |          |     |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |     |
| 20                        | QPSK       | 1       | 1         | 10.70                 | 11.21                    | 11.04                  |                     | 12.5     | 0.0 |
| Channel                   |            |         |           |                       |                          |                        |                     |          |     |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |     |
| 15                        | QPSK       | 1       | 1         | 10.64                 | 11.21                    | 11.09                  |                     | 12.5     | 0.0 |
| Channel                   |            |         |           |                       |                          |                        |                     |          |     |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |     |
| 10                        | QPSK       | 1       | 1         | 10.61                 | 11.21                    | 11.10                  |                     | 12.5     | 0.0 |
| Channel                   |            |         |           |                       |                          |                        |                     |          |     |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |     |
| 5                         | QPSK       | 1       | 1         | 10.58                 | 11.21                    | 11.10                  |                     | 12.5     | 0.0 |

| n30 Ant 9 NSA   |            |         |           |                             |                                |                              |                        |             |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|-------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) | MPR<br>(dB) |
| Channel         |            |         |           |                             | 462000                         |                              |                        |             |
| Frequency (MHz) |            |         |           |                             | 2310                           |                              |                        |             |
| 10              | PV2 BPSK   | 1       | 1         |                             | 15.99                          |                              |                        |             |
| 10              | PV2 BPSK   | 1       | 26        |                             | 15.91                          |                              | 17.0                   | 0.0         |
| 10              | PV2 BPSK   | 1       | 50        |                             | 15.93                          |                              |                        |             |
| 10              | PV2 BPSK   | 25      | 0         |                             | 15.89                          |                              | 17.0                   | 0.0         |
| 10              | PV2 BPSK   | 25      | 14        |                             | 15.89                          |                              | 17.0                   | 0.0         |
| 10              | PV2 BPSK   | 25      | 27        |                             | 15.94                          |                              |                        |             |
| 10              | PV2 BPSK   | 50      | 0         |                             | 15.99                          |                              | 17.0                   | 0.0         |
| 10              | QPSK       | 1       | 1         |                             | 16.08                          |                              |                        |             |
| 10              | QPSK       | 1       | 26        |                             | 15.96                          |                              | 17.0                   | 0.0         |
| 10              | QPSK       | 1       | 50        |                             | 15.94                          |                              |                        |             |
| 10              | QPSK       | 25      | 0         |                             | 16.00                          |                              | 17.0                   | 0.0         |
| 10              | QPSK       | 25      | 14        |                             | 16.05                          |                              | 17.0                   | 0.0         |
| 10              | QPSK       | 25      | 27        |                             | 15.97                          |                              |                        |             |
| 10              | QPSK       | 50      | 0         |                             | 16.03                          |                              | 17.0                   | 0.0         |
| 10              | 16QAM      | 1       | 1         |                             | 15.91                          |                              | 17.0                   | 0.0         |
| 10              | 64QAM      | 1       | 1         |                             | 15.96                          |                              | 17.0                   | 0.0         |
| 10              | 256QAM     | 1       | 1         |                             | 15.98                          |                              | 17.0                   | 0.0         |
| Channel         |            |         |           | 461500                      | 462000                         | 462500                       | Tune-up limit          | MPR         |
| Frequency (MHz) |            |         |           | 2307.5                      | 2310                           | 2312.5                       | (dBm)                  | (dB)        |
| 5               | QPSK       | 1       | 1         | 15.98                       | 16.01                          | 15.95                        | 17.0                   | 0.0         |

| Par270 n77 HPUE Ant 9 NSA |            |         |           |                       |                          |                        |                     |          |  |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                   |            |         |           | 650000                | 656000                   | 662000                 | 19.0                | 0.0      |  |
| Frequency (MHz)           |            |         |           | 3750                  | 3840                     | 3930                   |                     |          |  |
| 100                       | PI/2 BPSK  | 1       | 1         | 18.24                 | 18.36                    | 18.36                  | 19.0                | 0.0      |  |
| 100                       | PI/2 BPSK  | 1       | 137       | 18.34                 | 18.36                    | 18.30                  |                     |          |  |
| 100                       | PI/2 BPSK  | 1       | 271       | 18.33                 | 18.45                    | 18.32                  | 19.0                | 0.0      |  |
| 100                       | PI/2 BPSK  | 135     | 0         | 18.33                 | 18.38                    | 18.27                  |                     |          |  |
| 100                       | PI/2 BPSK  | 135     | 69        | 18.30                 | 18.45                    | 18.26                  | 19.0                | 0.0      |  |
| 100                       | PI/2 BPSK  | 135     | 138       | 18.29                 | 18.45                    | 18.30                  |                     |          |  |
| 100                       | PI/2 BPSK  | 270     | 0         | 18.34                 | 18.38                    | 18.25                  | 19.0                | 0.0      |  |
| 100                       | QPSK       | 1       | 1         | 18.26                 | 18.55                    | 18.28                  |                     |          |  |
| 100                       | QPSK       | 1       | 137       | 18.30                 | 18.51                    | 18.34                  | 19.0                | 0.0      |  |
| 100                       | QPSK       | 1       | 271       | 18.35                 | 18.37                    | 18.30                  |                     |          |  |
| 100                       | QPSK       | 135     | 0         | 18.30                 | 18.46                    | 18.33                  | 19.0                | 0.0      |  |
| 100                       | QPSK       | 135     | 69        | 18.33                 | 18.48                    | 18.31                  |                     |          |  |
| 100                       | QPSK       | 135     | 138       | 18.34                 | 18.43                    | 18.30                  | 19.0                | 0.0      |  |
| 100                       | QPSK       | 270     | 0         | 18.33                 | 18.46                    | 18.37                  |                     |          |  |
| 100                       | 16QAM      | 1       | 1         | 18.30                 | 18.42                    | 18.32                  | 19.0                | 0.0      |  |
| 100                       | 64QAM      | 1       | 1         | 18.19                 | 18.45                    | 18.28                  |                     |          |  |
| 100                       | 256QAM     | 1       | 1         | 18.20                 | 18.39                    | 18.20                  | 19.0                | 0.0      |  |
| Channel                   |            |         |           | 649668                | 656000                   | 662334                 |                     | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3745.02               | 3840                     | 3935.01                |                     |          |  |
| 90                        | QPSK       | 1       | 1         | 18.20                 | 18.43                    | 18.24                  | 19.0                | 0.0      |  |
| Channel                   |            |         |           | 649334                | 656000                   | 662668                 |                     | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3740.01               | 3840                     | 3940.02                |                     |          |  |
| 80                        | QPSK       | 1       | 1         | 18.21                 | 18.40                    | 18.19                  | 19.0                | 0.0      |  |
| Channel                   |            |         |           | 649000                | 656000                   | 663000                 |                     | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3735                  | 3840                     | 3945                   |                     |          |  |
| 70                        | QPSK       | 1       | 1         | 18.23                 | 18.47                    | 18.24                  | 19.0                | 0.0      |  |
| Channel                   |            |         |           | 648668                | 656000                   | 663334                 |                     | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3730.02               | 3840                     | 3950.01                |                     |          |  |
| 60                        | QPSK       | 1       | 1         | 18.21                 | 18.38                    | 18.23                  | 19.0                | 0.0      |  |
| Channel                   |            |         |           | 648334                | 656000                   | 663668                 |                     | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3725.01               | 3840                     | 3955.02                |                     |          |  |
| 50                        | QPSK       | 1       | 1         | 18.15                 | 18.42                    | 18.21                  | 19.0                | 0.0      |  |
| Channel                   |            |         |           | 648000                | 656000                   | 664000                 |                     | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3720                  | 3840                     | 3960                   |                     |          |  |
| 40                        | QPSK       | 1       | 1         | 18.17                 | 18.40                    | 18.20                  | 19.0                | 0.0      |  |
| Channel                   |            |         |           | 647668                | 656000                   | 664334                 |                     | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3715.02               | 3840                     | 3965.01                |                     |          |  |
| 30                        | QPSK       | 1       | 1         | 18.15                 | 18.43                    | 18.19                  | 19.0                | 0.0      |  |
| Channel                   |            |         |           | 647500                | 656000                   | 664500                 |                     | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3712.5                | 3840                     | 3967.5                 |                     |          |  |
| 25                        | QPSK       | 1       | 1         | 18.22                 | 18.45                    | 18.20                  | 19.0                | 0.0      |  |
| Channel                   |            |         |           | 647334                | 656000                   | 664668                 |                     | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3710.01               | 3840                     | 3970.02                |                     |          |  |
| 20                        | QPSK       | 1       | 1         | 18.16                 | 18.43                    | 18.19                  | 19.0                | 0.0      |  |
| Channel                   |            |         |           | 647168                | 656000                   | 664834                 |                     | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3707.52               | 3840                     | 3972.51                |                     |          |  |
| 15                        | QPSK       | 1       | 1         | 18.15                 | 18.37                    | 18.30                  | 19.0                | 0.0      |  |
| Channel                   |            |         |           | 647000                | 656000                   | 665000                 |                     | MPR (dB) |  |
| Frequency (MHz)           |            |         |           | 3705                  | 3840                     | 3975                   |                     |          |  |
| 10                        | QPSK       | 1       | 1         | 18.18                 | 18.47                    | 18.28                  | 19.0                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |

| Part27Q n77 HPUE Ant 9 NSA |            |         |           |                       |                          |                        |                     |          |  |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| 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                    |            |         |           | 633000                |                          | 633334                 | 19.0                | 0.0      |  |
| Frequency (MHz)            |            |         |           | 3495                  |                          | 3500.01                |                     |          |  |
| 100                        | PI/2 BPSK  | 1       | 1         | 17.46                 |                          | 17.50                  | 19.0                | 0.0      |  |
| 100                        | PI/2 BPSK  | 1       | 137       | 17.50                 |                          | 17.48                  |                     |          |  |
| 100                        | PI/2 BPSK  | 1       | 271       | 17.48                 |                          | 17.46                  | 19.0                | 0.0      |  |
| 100                        | PI/2 BPSK  | 135     | 0         | 17.46                 |                          | 17.47                  |                     |          |  |
| 100                        | PI/2 BPSK  | 135     | 69        | 17.47                 |                          | 17.48                  | 19.0                | 0.0      |  |
| 100                        | PI/2 BPSK  | 135     | 138       | 17.48                 |                          | 17.47                  |                     |          |  |
| 100                        | PI/2 BPSK  | 270     | 0         | 17.47                 |                          | 17.55                  | 19.0                | 0.0      |  |
| 100                        | QPSK       | 1       | 1         | 17.43                 |                          | 17.47                  |                     |          |  |
| 100                        | QPSK       | 1       | 137       | 17.47                 |                          | 17.47                  | 19.0                | 0.0      |  |
| 100                        | QPSK       | 1       | 271       | 17.47                 |                          | 17.53                  |                     |          |  |
| 100                        | QPSK       | 135     | 0         | 17.47                 |                          | 17.44                  | 19.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 69        | 17.44                 |                          | 17.51                  |                     |          |  |
| 100                        | QPSK       | 135     | 138       | 17.42                 |                          | 17.42                  | 19.0                | 0.0      |  |
| 100                        | QPSK       | 270     | 0         | 17.51                 |                          | 17.42                  |                     |          |  |
| 100                        | 16QAM      | 1       | 1         | 17.42                 |                          | 17.42                  | 19.0                | 0.0      |  |
| 100                        | 64QAM      | 1       | 1         | 17.42                 |                          | 17.48                  |                     |          |  |
| 100                        | 256QAM     | 1       | 1         | 17.48                 |                          | 3505.02                | 19.0                | 0.0      |  |
| Channel                    |            |         |           | 633000                | 633334                   | 633668                 |                     |          |  |
| Frequency (MHz)            |            |         |           | 3495                  | 3500.01                  | 3505.02                | 19.0                | 0.0      |  |
| 90                         | QPSK       | 1       | 1         | 17.46                 | 17.48                    | 17.47                  |                     | MPR (dB) |  |
| Channel                    |            |         |           | 632668                | 633334                   | 634000                 | 19.0                | 0.0      |  |
| Frequency (MHz)            |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |  |
| 80                         | QPSK       | 1       | 1         | 17.42                 | 17.42                    | 17.51                  | 19.0                | 0.0      |  |
| Channel                    |            |         |           | 632334                | 633334                   | 634334                 |                     | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3485.01               | 3500.01                  | 3515.01                |                     |          |  |
| 70                         | QPSK       | 1       | 1         | 17.47                 | 17.47                    | 17.49                  | 19.0                | 0.0      |  |
| Channel                    |            |         |           | 632000                | 633334                   | 634668                 |                     | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |  |
| 60                         | QPSK       | 1       | 1         | 17.44                 | 17.43                    | 17.41                  | 19.0                | 0.0      |  |
| Channel                    |            |         |           | 631668                | 633334                   | 635000                 |                     | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |  |
| 50                         | QPSK       | 1       | 1         | 17.43                 | 17.44                    | 17.44                  | 19.0                | 0.0      |  |
| Channel                    |            |         |           | 631334                | 633334                   | 635334                 |                     | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |  |
| 40                         | QPSK       | 1       | 1         | 17.50                 | 17.42                    | 17.47                  | 19.0                | 0.0      |  |
| Channel                    |            |         |           | 631000                | 633334                   | 635668                 |                     | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3465                  | 3500.01                  | 3535.02                |                     |          |  |
| 30                         | QPSK       | 1       | 1         | 17.44                 | 17.48                    | 17.51                  | 19.0                | 0.0      |  |
| Channel                    |            |         |           | 630834                | 633334                   | 635834                 |                     | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3462.51               | 3500.01                  | 3537.51                |                     |          |  |
| 25                         | QPSK       | 1       | 1         | 17.50                 | 17.47                    | 17.48                  | 19.0                | 0.0      |  |
| Channel                    |            |         |           | 630668                | 633334                   | 636000                 |                     | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |  |
| 20                         | QPSK       | 1       | 1         | 17.48                 | 17.44                    | 17.41                  | 19.0                | 0.0      |  |
| Channel                    |            |         |           | 630500                | 633334                   | 636168                 |                     | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |  |
| 15                         | QPSK       | 1       | 1         | 17.43                 | 17.50                    | 17.49                  | 19.0                | 0.0      |  |
| Channel                    |            |         |           | 630334                | 633334                   | 636334                 |                     | MPR (dB) |  |
| Frequency (MHz)            |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |  |
| 10                         | QPSK       | 1       | 1         | 17.44                 | 17.49                    | 17.51                  | 19.0                | 0.0      |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |

| Part270 n78 HPUE Ant 9 NSA |            |         |           |                       |                          |                        |                     |          |     |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| 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                    |            |         |           | 650000                | 650000                   | 650000                 | 19.0                | 0.0      |     |
| Frequency (MHz)            |            |         |           | 3750                  | 3750                     | 3750                   |                     |          |     |
| 100                        | PI/2 BPSK  | 1       | 1         |                       | 18.14                    |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 1       | 137       |                       | 18.12                    |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 1       | 271       |                       | 18.20                    |                        | 19.0                | 0.0      |     |
| 100                        | PI/2 BPSK  | 135     | 0         |                       | 18.17                    |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 135     | 69        |                       | 18.29                    |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 135     | 138       |                       | 18.27                    |                        |                     |          |     |
| 100                        | PI/2 BPSK  | 270     | 0         |                       | 18.22                    |                        | 19.0                | 0.0      |     |
| 100                        | QPSK       | 1       | 1         |                       | 18.35                    |                        | 19.0                | 0.0      |     |
| 100                        | QPSK       | 1       | 137       |                       | 18.29                    |                        |                     |          |     |
| 100                        | QPSK       | 1       | 271       |                       | 18.18                    |                        |                     |          |     |
| 100                        | QPSK       | 135     | 0         |                       | 18.23                    |                        |                     |          |     |
| 100                        | QPSK       | 135     | 69        |                       | 18.30                    |                        | 19.0                | 0.0      |     |
| 100                        | QPSK       | 135     | 138       |                       | 18.21                    |                        | 19.0                | 0.0      |     |
| 100                        | QPSK       | 270     | 0         |                       | 18.22                    |                        | 19.0                | 0.0      |     |
| 100                        | 16QAM      | 1       | 1         |                       | 18.27                    |                        | 19.0                | 0.0      |     |
| 100                        | 64QAM      | 1       | 1         |                       | 18.27                    |                        | 19.0                | 0.0      |     |
| 100                        | 256QAM     | 1       | 1         |                       | 18.15                    |                        | 19.0                | 0.0      |     |
| Channel                    |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit       | MPR      |     |
| Frequency (MHz)            |            |         |           | 3745.02               | 3750                     | 3755.01                | (dBm)               | (dB)     |     |
| 90                         | QPSK       | 1       | 1         |                       | 18.23                    | 18.25                  | 18.18               | 19.0     | 0.0 |
| Channel                    |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit       | MPR      |     |
| Frequency (MHz)            |            |         |           | 3740.01               | 3750                     | 3760.02                | (dBm)               | (dB)     |     |
| 80                         | QPSK       | 1       | 1         |                       | 18.23                    | 18.25                  | 18.26               | 19.0     | 0.0 |
| Channel                    |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit       | MPR      |     |
| Frequency (MHz)            |            |         |           | 3735                  | 3750                     | 3765                   | (dBm)               | (dB)     |     |
| 70                         | QPSK       | 1       | 1         |                       | 18.18                    | 18.23                  | 18.16               | 19.0     | 0.0 |
| Channel                    |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit       | MPR      |     |
| Frequency (MHz)            |            |         |           | 3730.02               | 3750                     | 3770.01                | (dBm)               | (dB)     |     |
| 60                         | QPSK       | 1       | 1         |                       | 18.19                    | 18.22                  | 18.25               | 19.0     | 0.0 |
| Channel                    |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit       | MPR      |     |
| Frequency (MHz)            |            |         |           | 3725.01               | 3750                     | 3775.02                | (dBm)               | (dB)     |     |
| 50                         | QPSK       | 1       | 1         |                       | 18.18                    | 18.15                  | 18.17               | 19.0     | 0.0 |
| Channel                    |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit       | MPR      |     |
| Frequency (MHz)            |            |         |           | 3720                  | 3750                     | 3780                   | (dBm)               | (dB)     |     |
| 40                         | QPSK       | 1       | 1         |                       | 18.25                    | 18.16                  | 18.26               | 19.0     | 0.0 |
| Channel                    |            |         |           | 647668                | 650000                   | 652334                 | Tune-up limit       | MPR      |     |
| Frequency (MHz)            |            |         |           | 3715.02               | 3750                     | 3785.01                | (dBm)               | (dB)     |     |
| 30                         | QPSK       | 1       | 1         |                       | 18.15                    | 18.15                  | 18.22               | 19.0     | 0.0 |
| Channel                    |            |         |           | 647500                | 650000                   | 652500                 | Tune-up limit       | MPR      |     |
| Frequency (MHz)            |            |         |           | 3712.5                | 3750                     | 3787.5                 | (dBm)               | (dB)     |     |
| 25                         | QPSK       | 1       | 1         |                       | 18.17                    | 18.26                  | 18.25               | 19.0     | 0.0 |
| Channel                    |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit       | MPR      |     |
| Frequency (MHz)            |            |         |           | 3710.01               | 3750                     | 3790.02                | (dBm)               | (dB)     |     |
| 20                         | QPSK       | 1       | 1         |                       | 18.17                    | 18.19                  | 18.19               | 19.0     | 0.0 |
| Channel                    |            |         |           | 647168                | 650000                   | 652834                 | Tune-up limit       | MPR      |     |
| Frequency (MHz)            |            |         |           | 3707.52               | 3750                     | 3792.51                | (dBm)               | (dB)     |     |
| 15                         | QPSK       | 1       | 1         |                       | 18.24                    | 18.24                  | 18.18               | 19.0     | 0.0 |
| Channel                    |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit       | MPR      |     |
| Frequency (MHz)            |            |         |           | 3705                  | 3750                     | 3795                   | (dBm)               | (dB)     |     |
| 10                         | QPSK       | 1       | 1         |                       | 18.17                    | 18.22                  | 18.15               | 19.0     | 0.0 |

| Part27Q 78 HPUE Ant 9 NSA |            |         |           |                       |                          |                        |                     |          |     |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| 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                   |            |         |           | 633000                |                          | 633334                 | 19.0                | 0.0      |     |
| Frequency (MHz)           |            |         |           | 3495                  |                          | 3500.01                |                     |          |     |
| 100                       | PI/2 BPSK  | 1       | 1         |                       | 17.22                    |                        |                     |          |     |
| 100                       | PI/2 BPSK  | 1       | 137       |                       | 17.33                    |                        |                     |          |     |
| 100                       | PI/2 BPSK  | 1       | 271       |                       | 17.29                    |                        | 19.0                | 0.0      |     |
| 100                       | PI/2 BPSK  | 135     | 0         |                       | 17.21                    |                        |                     |          |     |
| 100                       | PI/2 BPSK  | 135     | 69        |                       | 17.29                    |                        |                     |          |     |
| 100                       | PI/2 BPSK  | 135     | 138       |                       | 17.28                    |                        |                     |          |     |
| 100                       | PI/2 BPSK  | 270     | 0         |                       | 17.23                    |                        | 19.0                | 0.0      |     |
| 100                       | QPSK       | 1       | 1         |                       | 17.39                    |                        | 19.0                | 0.0      |     |
| 100                       | QPSK       | 1       | 137       |                       | 17.16                    |                        |                     |          |     |
| 100                       | QPSK       | 1       | 271       |                       | 17.28                    |                        |                     |          |     |
| 100                       | QPSK       | 135     | 0         |                       | 17.23                    |                        |                     |          |     |
| 100                       | QPSK       | 135     | 69        |                       | 17.31                    |                        | 19.0                | 0.0      |     |
| 100                       | QPSK       | 135     | 138       |                       | 17.21                    |                        | 19.0                | 0.0      |     |
| 100                       | QPSK       | 270     | 0         |                       | 17.34                    |                        | 19.0                | 0.0      |     |
| 100                       | 16QAM      | 1       | 1         |                       | 17.21                    |                        | 19.0                | 0.0      |     |
| 100                       | 64QAM      | 1       | 1         |                       | 17.21                    |                        | 19.0                | 0.0      |     |
| 100                       | 256QAM     | 1       | 1         |                       | 17.27                    |                        | 19.0                | 0.0      |     |
| Channel                   |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit       | MPR      |     |
| Frequency (MHz)           |            |         |           | 3495                  | 3500.01                  | 3505.02                | (dBm)               | (dB)     |     |
| 90                        | QPSK       | 1       | 1         |                       | 17.26                    | 17.35                  | 17.25               | 19.0     | 0.0 |
| Channel                   |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit       | MPR      |     |
| Frequency (MHz)           |            |         |           | 3490.02               | 3500.01                  | 3510                   | (dBm)               | (dB)     |     |
| 80                        | QPSK       | 1       | 1         |                       | 17.33                    | 17.33                  | 17.29               | 19.0     | 0.0 |
| Channel                   |            |         |           | 632334                | 633334                   | 634334                 | Tune-up limit       | MPR      |     |
| Frequency (MHz)           |            |         |           | 3485.01               | 3500.01                  | 3515.01                | (dBm)               | (dB)     |     |
| 70                        | QPSK       | 1       | 1         |                       | 17.28                    | 17.23                  | 17.33               | 19.0     | 0.0 |
| Channel                   |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit       | MPR      |     |
| Frequency (MHz)           |            |         |           | 3480                  | 3500.01                  | 3520.02                | (dBm)               | (dB)     |     |
| 60                        | QPSK       | 1       | 1         |                       | 17.33                    | 17.25                  | 17.30               | 19.0     | 0.0 |
| Channel                   |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit       | MPR      |     |
| Frequency (MHz)           |            |         |           | 3475.02               | 3500.01                  | 3525                   | (dBm)               | (dB)     |     |
| 50                        | QPSK       | 1       | 1         |                       | 17.31                    | 17.26                  | 17.27               | 19.0     | 0.0 |
| Channel                   |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit       | MPR      |     |
| Frequency (MHz)           |            |         |           | 3470.01               | 3500.01                  | 3530.01                | (dBm)               | (dB)     |     |
| 40                        | QPSK       | 1       | 1         |                       | 17.32                    | 17.25                  | 17.27               | 19.0     | 0.0 |
| Channel                   |            |         |           | 631000                | 633334                   | 635668                 | Tune-up limit       | MPR      |     |
| Frequency (MHz)           |            |         |           | 3465                  | 3500.01                  | 3535.02                | (dBm)               | (dB)     |     |
| 30                        | QPSK       | 1       | 1         |                       | 17.32                    | 17.33                  | 17.32               | 19.0     | 0.0 |
| Channel                   |            |         |           | 630834                | 633334                   | 635834                 | Tune-up limit       | MPR      |     |
| Frequency (MHz)           |            |         |           | 3462.51               | 3500.01                  | 3537.51                | (dBm)               | (dB)     |     |
| 25                        | QPSK       | 1       | 1         |                       | 17.27                    | 17.34                  | 17.28               | 19.0     | 0.0 |
| Channel                   |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit       | MPR      |     |
| Frequency (MHz)           |            |         |           | 3460.02               | 3500.01                  | 3540                   | (dBm)               | (dB)     |     |
| 20                        | QPSK       | 1       | 1         |                       | 17.33                    | 17.26                  | 17.28               | 19.0     | 0.0 |
| Channel                   |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit       | MPR      |     |
| Frequency (MHz)           |            |         |           | 3455.5                | 3500.01                  | 3542.52                | (dBm)               | (dB)     |     |
| 15                        | QPSK       | 1       | 1         |                       | 17.27                    | 17.34                  | 17.31               | 19.0     | 0.0 |
| Channel                   |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit       | MPR      |     |
| Frequency (MHz)           |            |         |           | 3455.01               | 3500.01                  | 3545.01                | (dBm)               | (dB)     |     |
| 10                        | QPSK       | 1       | 1         |                       | 17.24                    | 17.33                  | 17.35               | 19.0     | 0.0 |

## &lt;2.4GHz WLAN&gt;

|                | Mode                | Channel | Frequency<br>(MHz) | Ant3 Full Power<br>For Body-worn<br>For Hotspot |                  | Ant4 Full Power<br>For Body-worn<br>For Hotspot |                  | Ant3+4 Full Power<br>For Body-worn<br>For Hotspot |                  | Duty<br>Cycle % |
|----------------|---------------------|---------|--------------------|-------------------------------------------------|------------------|-------------------------------------------------|------------------|---------------------------------------------------|------------------|-----------------|
|                |                     |         |                    | Average<br>power<br>(dBm)                       | Tune-Up<br>Limit | Average<br>power<br>(dBm)                       | Tune-Up<br>Limit | Average<br>power<br>(dBm)                         | Tune-Up<br>Limit |                 |
| 2.4GHz<br>WLAN | 802.11b 1Mbps       | 1       | 2412               | 12.58                                           | 14.50            | 13.72                                           | 15.50            | 16.20                                             | 18.00            | 100             |
|                |                     | 6       | 2437               | 12.98                                           | 14.50            | 13.21                                           | 15.00            | 16.11                                             | 18.00            |                 |
|                |                     | 11      | 2462               | 12.82                                           | 14.50            | 13.17                                           | 15.00            | 16.01                                             | 17.50            |                 |
|                | 802.11g 6Mbps       | 1       | 2412               | 10.05                                           | 11.50            | 11.29                                           | 13.00            | 13.72                                             | 15.50            | 99.32           |
|                |                     | 6       | 2437               | 10.39                                           | 12.00            | 11.11                                           | 13.00            | 13.78                                             | 15.50            |                 |
|                |                     | 11      | 2462               | 10.01                                           | 11.50            | 11.01                                           | 12.50            | 13.55                                             | 15.00            |                 |
|                | 802.11n-HT20 MCS0   | 1       | 2412               | 7.48                                            | 9.00             | 9.09                                            | 10.50            | 11.37                                             | 13.00            | 99.28           |
|                |                     | 6       | 2437               | 9.90                                            | 11.50            | 10.93                                           | 12.50            | 13.46                                             | 15.00            |                 |
|                |                     | 11      | 2462               | 7.28                                            | 9.00             | 9.38                                            | 11.00            | 11.47                                             | 13.00            |                 |
|                | 802.11n-HT40 MCS0   | 3       | 2422               | 4.81                                            | 6.50             | 5.53                                            | 7.00             | 8.20                                              | 10.00            | 98.25           |
|                |                     | 4       | 2427               | 8.41                                            | 10.00            | 9.83                                            | 11.50            | 12.19                                             | 14.00            |                 |
|                |                     | 5       | 2432               | 9.06                                            | 10.50            | 9.52                                            | 11.00            | 12.31                                             | 14.00            |                 |
|                | 802.11ax-HE20 MCS0  | 6       | 2437               | 9.90                                            | 11.50            | 10.10                                           | 12.00            | 13.01                                             | 14.50            | 100             |
|                |                     | 7       | 2442               | 9.16                                            | 11.00            | 9.44                                            | 11.00            | 12.31                                             | 14.00            |                 |
|                |                     | 8       | 2447               | 9.21                                            | 11.00            | 9.63                                            | 11.50            | 12.44                                             | 14.00            |                 |
|                | 802.11ax-HE40 MCS0  | 9       | 2452               | 6.16                                            | 8.00             | 6.56                                            | 8.00             | 9.37                                              | 11.00            | 100             |
|                |                     | 1       | 2412               | 7.51                                            | 9.00             | 9.12                                            | 11.00            | 11.40                                             | 13.00            |                 |
|                |                     | 6       | 2437               | 10.32                                           | 12.00            | 10.91                                           | 12.50            | 13.64                                             | 15.50            |                 |
|                | 802.11ax-HE80 MCS0  | 11      | 2462               | 7.36                                            | 9.00             | 9.63                                            | 11.50            | 11.65                                             | 13.50            | 100             |
|                |                     | 3       | 2422               | 4.91                                            | 6.50             | 5.61                                            | 7.50             | 8.28                                              | 10.00            |                 |
|                |                     | 4       | 2427               | 8.46                                            | 10.00            | 9.92                                            | 11.50            | 12.28                                             | 14.00            |                 |
|                | 802.11ax-HE160 MCS0 | 5       | 2432               | 9.13                                            | 11.00            | 9.57                                            | 11.00            | 12.37                                             | 14.00            | 100             |
|                |                     | 6       | 2437               | 9.94                                            | 11.50            | 10.14                                           | 12.00            | 13.05                                             | 15.00            |                 |
|                |                     | 7       | 2442               | 9.21                                            | 11.00            | 9.48                                            | 11.00            | 12.36                                             | 14.00            |                 |
|                | 802.11ax-HE320 MCS0 | 8       | 2447               | 9.28                                            | 11.00            | 9.69                                            | 11.50            | 12.50                                             | 14.00            | 100             |
|                |                     | 9       | 2452               | 6.25                                            | 8.00             | 6.60                                            | 8.50             | 9.44                                              | 11.00            |                 |
|                |                     | 10      | 2457               | 6.25                                            | 8.00             | 6.60                                            | 8.50             | 9.44                                              | 11.00            |                 |

## &lt;5.2GHz WLAN&gt;

|                | Mode                | Channel | Frequency<br>(MHz) | Ant3 Full Power<br>For Body-worn<br>For Extremity |                  | Ant4 Full Power<br>For Body-worn<br>For Extremity |                  | Ant3+4 Full Power<br>For Body-worn<br>For Extremity |                  | Duty<br>Cycle % |
|----------------|---------------------|---------|--------------------|---------------------------------------------------|------------------|---------------------------------------------------|------------------|-----------------------------------------------------|------------------|-----------------|
|                |                     |         |                    | Average<br>power<br>(dBm)                         | Tune-Up<br>Limit | Average<br>power<br>(dBm)                         | Tune-Up<br>Limit | Average<br>power<br>(dBm)                           | Tune-Up<br>Limit |                 |
| 5.2GHz<br>WLAN | 802.11a 6Mbps       | 36      | 5180               | 12.97                                             | 14.50            | 10.22                                             | 12.00            | 14.82                                               | 16.50            | 99.12           |
|                |                     | 40      | 5200               | 12.90                                             | 14.50            | 10.26                                             | 12.00            | 14.79                                               | 16.50            |                 |
|                |                     | 44      | 5220               | 12.97                                             | 14.50            | 10.49                                             | 12.00            | 14.82                                               | 16.50            |                 |
|                | 802.11n-HT20 MCS0   | 48      | 5240               | 12.91                                             | 14.50            | 10.70                                             | 12.50            | 14.96                                               | 16.50            | 99.28           |
|                |                     | 52      | 5260               | 12.70                                             | 14.50            | 9.97                                              | 11.50            | 14.56                                               | 16.00            |                 |
|                |                     | 56      | 5280               | 12.61                                             | 14.50            | 10.94                                             | 11.50            | 14.52                                               | 16.00            |                 |
|                | 802.11n-HT40 MCS0   | 44      | 5220               | 12.69                                             | 14.50            | 10.16                                             | 12.00            | 14.62                                               | 16.50            | 98.54           |
|                |                     | 48      | 5240               | 12.66                                             | 14.50            | 10.45                                             | 12.00            | 14.71                                               | 16.50            |                 |
|                |                     | 52      | 5260               | 13.13                                             | 15.00            | 10.59                                             | 12.00            | 14.99                                               | 16.50            |                 |
|                | 802.11ac-VHT20 MCS0 | 48      | 5240               | 13.30                                             | 15.00            | 10.56                                             | 12.00            | 15.16                                               | 17.00            | 100             |
|                |                     | 36      | 5180               | 12.73                                             | 14.50            | 10.03                                             | 11.50            | 14.60                                               | 16.50            |                 |
|                |                     | 40      | 5200               | 12.65                                             | 14.50            | 10.07                                             | 11.50            | 14.56                                               | 16.50            |                 |
|                | 802.11ac-VHT40 MCS0 | 44      | 5220               | 12.72                                             | 14.50            | 10.21                                             | 12.00            | 14.65                                               | 16.50            | 100             |
|                |                     | 48      | 5240               | 12.69                                             | 14.50            | 10.50                                             | 12.00            | 14.74                                               | 16.50            |                 |
|                |                     | 52      | 5260               | 13.15                                             | 15.00            | 10.41                                             | 12.00            | 15.00                                               | 16.50            |                 |
|                | 802.11ax-VHT80 MCS0 | 36      | 5180               | 13.15                                             | 15.00            | 10.41                                             | 12.00            | 15.00                                               | 16.50            | 100             |
|                |                     | 48      | 5240               | 13.31                                             | 15.00            | 10.58                                             | 12.00            | 15.17                                               | 17.00            |                 |
|                |                     | 52      | 5260               | 12.91                                             | 14.50            | 10.32                                             | 12.00            | 14.82                                               | 16.50            |                 |
|                | 802.11ax-HE20 MCS0  | 36      | 5180               | 12.77                                             | 14.50            | 10.06                                             | 11.50            | 14.63                                               | 16.50            | 100             |
|                |                     | 40      | 5200               | 12.69                                             | 14.50            | 10.11                                             | 12.00            | 14.60                                               | 16.50            |                 |
|                |                     | 44      | 5220               | 12.77                                             | 14.50            | 10.26                                             | 12.00            | 14.70                                               | 16.50            |                 |
|                | 802.11ax-HE40 MCS0  | 48      | 5240               | 12.73                                             | 14.50            | 10.54                                             | 12.00            | 14.78                                               | 16.50            | 100             |
|                |                     | 52      | 5260               | 13.19                                             | 15.00            | 10.44                                             | 12.00            | 15.04                                               | 16.50            |                 |
|                |                     | 56      | 5280               | 13.35                                             | 15.00            | 10.62                                             | 12.00            | 15.21                                               | 17.00            |                 |
|                | 802.11ax-HE80 MCS0  | 48      | 5240               | 13.35                                             | 15.00            | 10.62                                             | 12.00            | 15.21                                               | 17.00            | 100             |
|                |                     | 52      | 5260               | 13.35                                             | 15.00            | 10.62                                             | 12.00            | 15.21                                               | 17.00            |                 |
|                |                     | 56      | 5280               | 13.35                                             | 15.00            | 10.62                                             | 12.00            | 15.21                                               | 17.00            |                 |

## &lt;5.3GHz WLAN&gt;

|                | Mode                | Channel | Frequency<br>(MHz) | Ant3 Full Power<br>For Body-worn<br>For Extremity |                  | Ant4 Full Power<br>For Body-worn<br>For Extremity |                  | Ant3+4 Full Power<br>For Body-worn<br>For Extremity |                  | Duty<br>Cycle % |
|----------------|---------------------|---------|--------------------|---------------------------------------------------|------------------|---------------------------------------------------|------------------|-----------------------------------------------------|------------------|-----------------|
|                |                     |         |                    | Average<br>power<br>(dBm)                         | Tune-Up<br>Limit | Average<br>power<br>(dBm)                         | Tune-Up<br>Limit | Average<br>power<br>(dBm)                           | Tune-Up<br>Limit |                 |
| 5.3GHz<br>WLAN | 802.11a 6Mbps       | 52      | 5280               | 14.61                                             | 16.50            | 12.93                                             | 14.50            | 16.86                                               | 18.50            | 99.12           |
|                |                     | 56      | 5280               | 14.58                                             | 16.50            | 12.91                                             | 14.50            | 16.90                                               | 18.50            |                 |
|                |                     | 60      | 5300               | 14.69                                             | 16.50            | 13.13                                             | 15.00            | 16.99                                               | 18.50            |                 |
|                | 802.11n-HT20 MCS0   | 64      | 5320               | 14.62                                             | 16.50            | 13.11                                             | 15.00            | 16.94                                               | 18.50            | 99.28           |
|                |                     | 52      | 5280               | 14.26                                             | 16.00            | 12.62                                             | 14.50            | 16.53                                               | 18.00            |                 |
|                |                     | 56      | 5280               | 14.35                                             | 16.00            | 12.62                                             | 14.50            | 16.58                                               | 18.50            |                 |
|                | 802.11n-HT40 MCS0   | 60      | 5300               | 14.37                                             | 16.00            | 12.82                                             | 14.50            | 16.68                                               | 18.50            | 98.54           |
|                |                     | 64      | 5320               | 14.34                                             | 16.00            | 12.72                                             | 14.50            | 16.62                                               | 18.50            |                 |
|                |                     | 54      | 5270               | 14.91                                             | 16.50            | 13.31                                             | 15.00            | 17.20                                               | 19.00            |                 |
|                | 802.11ac-VHT20 MCS0 | 62      | 5310               | 13.72                                             | 15.50            | 11.96                                             | 13.50            | 15.94                                               | 17.50            | 100             |
|                |                     | 52      | 5280               | 14.35                                             | 16.00            | 12.70                                             | 14.50            | 16.61                                               | 18.50            |                 |
|                |                     | 56      | 5280               | 14.42                                             | 16.00            | 12.71                                             | 14.50            | 16.66                                               | 18.50            |                 |
|                | 802.11ac-VHT40 MCS0 | 60      | 5300               | 14.44                                             | 16.00            | 12.89                                             | 14.50            | 16.74                                               | 18.50            | 100             |
|                |                     | 64      | 5320               | 14.42                                             | 16.00            | 12.82                                             | 14.50            | 16.70                                               | 18.50            |                 |
|                |                     | 54      | 5270               | 15.00                                             | 16.50            | 13.37                                             | 15.00            | 17.27                                               | 19.00            |                 |
|                | 802.11ax-VHT80 MCS0 | 62      | 5310               | 13.72                                             | 15.50            | 11.96                                             | 13.50            | 15.94                                               | 17.50            | 100             |
|                |                     | 58      | 5290               | 12.32                                             | 14.00            | 12.61                                             | 14.50            | 14.48                                               | 17.00            |                 |
|                |                     | 50      | 5250               | 13.53                                             | 15.00            | 11.49                                             | 13.00            | 15.64                                               | 17.50            |                 |
|                | 802.11ax-HE20 MCS0  | 52      | 5280               | 14.42                                             | 16.00            | 12.75                                             | 14.50            | 16.68                                               | 18.50            | 100             |
|                |                     | 56      | 5280               | 14.49                                             | 16.00            | 12.76                                             | 14.50            | 16.72                                               | 18.50            |                 |
|                |                     | 60      | 5300               | 14.52                                             | 16.00            | 12.97                                             | 14.50            | 16.82                                               | 18.50            |                 |
|                | 802.11ax-HE40 MCS0  | 64      | 5320               | 14.48                                             | 16.00            | 12.88                                             | 14.50            | 16.76                                               | 18.50            | 100             |
|                |                     | 54      | 5270               | 15.06                                             | 17.00            | 13.44                                             | 15.00            | 17.34                                               | 19.00            |                 |
|                |                     | 62      | 5310               | 13.76                                             | 15.50            | 11.99                                             | 13.50            | 15.97                                               | 17.50            |                 |
|                | 802.11ax-HE80 MCS0  | 58      | 5290               | 12.35                                             | 14.00            | 10.02                                             | 11.50            | 14.35                                               | 16.00            | 100             |
|                |                     | 50      | 5250               | 13.56                                             | 15.00            | 11.53                                             | 13.00            | 15.67                                               | 17.50            |                 |
|                |                     | 50      | 5250               | 13.56                                             | 15.00            | 11.53                                             | 13.00            | 15.67                                               | 17.50            |                 |

## &lt;5.5GHz WLAN&gt;

|                     |                     | Ant3 Full Power<br>For Extremity |                           | Ant4 Full Power<br>For Extremity |                           | Ant3+4 Full Power<br>For Extremity |                           |                  |               |       |
|---------------------|---------------------|----------------------------------|---------------------------|----------------------------------|---------------------------|------------------------------------|---------------------------|------------------|---------------|-------|
| Mode                | Channel             | Frequency<br>(MHz)               | Average<br>power<br>(dBm) | Tune-Up<br>Limit                 | Average<br>power<br>(dBm) | Tune-Up<br>Limit                   | Average<br>power<br>(dBm) | Tune-Up<br>Limit | Duty<br>Cycle |       |
| 5.5GHz<br>WLAN      | 802.11a 6Mbps       | 100                              | 5900                      | 14.07                            | 15.50                     | 9.66                               | 11.50                     | 15.41            | 17.00         | 99.12 |
|                     |                     | 116                              | 5980                      | 13.68                            | 15.50                     | 9.19                               | 11.00                     | 15.00            | 16.50         |       |
|                     |                     | 132                              | 5960                      | 13.60                            | 15.50                     | 8.08                               | 9.50                      | 14.67            | 16.50         |       |
|                     | 802.11n-HT20 MCS0   | 140                              | 5700                      | 13.40                            | 15.00                     | 7.40                               | 9.00                      | 14.37            | 16.00         | 99.28 |
|                     |                     | 100                              | 5900                      | 13.84                            | 15.50                     | 9.48                               | 11.00                     | 15.20            | 17.00         |       |
|                     |                     | 116                              | 5980                      | 13.44                            | 15.00                     | 8.97                               | 10.50                     | 14.77            | 16.50         |       |
|                     | 802.11n-HT40 MCS0   | 132                              | 5960                      | 13.34                            | 15.00                     | 7.84                               | 9.50                      | 14.42            | 16.00         | 98.54 |
|                     |                     | 140                              | 5700                      | 13.08                            | 14.50                     | 7.15                               | 9.00                      | 14.07            | 15.50         |       |
|                     |                     | 102                              | 5610                      | 14.30                            | 16.00                     | 9.79                               | 11.50                     | 15.82            | 17.50         |       |
|                     | 802.11ac-VHT20 MCS0 | 110                              | 5550                      | 14.24                            | 16.00                     | 10.47                              | 12.00                     | 15.77            | 17.50         | 100   |
|                     |                     | 134                              | 5670                      | 13.65                            | 15.50                     | 7.99                               | 9.50                      | 14.66            | 16.50         |       |
|                     |                     | 100                              | 5900                      | 13.88                            | 15.50                     | 9.54                               | 11.00                     | 15.24            | 17.00         |       |
| 802.11ac-VHT80 MCS0 | 116                 | 5980                             | 13.48                     | 15.00                            | 9.03                      | 10.50                              | 14.81                     | 16.50            | 100           |       |
|                     | 132                 | 5960                             | 13.37                     | 15.00                            | 7.88                      | 9.50                               | 14.45                     | 16.00            |               |       |
|                     | 140                 | 5700                             | 13.11                     | 15.00                            | 7.19                      | 9.00                               | 14.10                     | 16.00            |               |       |
| 802.11ac-VHT40 MCS0 | 102                 | 5610                             | 14.33                     | 16.00                            | 9.81                      | 11.50                              | 15.82                     | 17.50            | 100           |       |
|                     | 110                 | 5550                             | 14.14                     | 16.00                            | 10.50                     | 12.00                              | 15.70                     | 17.50            |               |       |
|                     | 134                 | 5670                             | 13.85                     | 15.50                            | 7.99                      | 9.50                               | 14.65                     | 16.50            |               |       |
| 802.11ac-VHT80 MCS0 | 100                 | 5900                             | 13.83                     | 15.50                            | 9.53                      | 11.00                              | 15.15                     | 17.00            | 100           |       |
|                     | 116                 | 5980                             | 13.91                     | 15.50                            | 9.57                      | 11.00                              | 15.27                     | 17.00            |               |       |
|                     | 132                 | 5960                             | 13.52                     | 15.00                            | 8.06                      | 10.50                              | 14.85                     | 16.50            |               |       |
| 802.11n-HE40 MCS0   | 140                 | 5700                             | 13.13                     | 15.00                            | 7.23                      | 9.00                               | 14.12                     | 16.00            | 100           |       |
|                     | 102                 | 5610                             | 14.37                     | 16.00                            | 9.81                      | 11.50                              | 15.68                     | 17.50            |               |       |
|                     | 110                 | 5550                             | 14.19                     | 16.00                            | 9.94                      | 11.00                              | 15.47                     | 17.00            |               |       |
| 802.11n-HE40 MCS0   | 134                 | 5670                             | 13.89                     | 15.50                            | 8.95                      | 10.50                              | 14.69                     | 16.50            | 100           |       |
|                     | 100                 | 5900                             | 13.88                     | 15.50                            | 9.37                      | 11.00                              | 15.20                     | 17.00            |               |       |
|                     | 132                 | 5960                             | 13.88                     | 15.50                            | 9.34                      | 11.00                              | 15.20                     | 17.00            |               |       |

| <Bluetooth> |         | Ant3 Full Power |                     |       |       |               |
|-------------|---------|-----------------|---------------------|-------|-------|---------------|
| Mode        | Channel | Frequency (MHz) | Average power (dBm) |       |       | Tune-up Limit |
|             |         |                 | 1Mbps               | 2Mbps | 3Mbps |               |
| BR / EDR    | CH 00   | 2402            | 7.81                | 6.29  | 6.30  | 8.0           |
|             | CH 39   | 2441            | 7.18                | 5.64  | 5.69  | 7.5           |
|             | CH 78   | 2480            | 6.92                | 5.36  | 5.40  | 7.0           |

| BLE 1M |         |                 | Ant3 Full Power     |               |
|--------|---------|-----------------|---------------------|---------------|
| Mode   | Channel | Frequency (MHz) | Average power (dBm) | Tune-up Limit |
|        |         |                 | GFSK                |               |
| LE     | CH 00   | 2402            | 7.62                | 8.0           |
|        | CH 19   | 2440            | 6.64                | 8.0           |
|        | CH 39   | 2480            | 6.66                | 8.0           |

| BLE 2M |         |                 | Ant3 Full Power     |               |
|--------|---------|-----------------|---------------------|---------------|
| Mode   | Channel | Frequency (MHz) | Average power (dBm) | Tune-up Limit |
|        |         |                 | GFSK                |               |
| LE     | CH 01   | 2404            | 7.78                | 8.0           |
|        | CH 19   | 2440            | 7.07                | 8.0           |
|        | CH 38   | 2478            | 6.80                | 8.0           |

| LORA-DTS-500K |                 | Ant8 Full Power     |               |
|---------------|-----------------|---------------------|---------------|
| Channel       | Frequency (MHz) | Average power (dBm) | Tune-up Limit |
|               |                 | 500k                |               |
| CH 1          | 904             | 27.95               | 28.5          |
| CH 12         | 915             | 27.41               | 28.5          |
| CH 23         | 926             | 26.77               | 28.5          |

| <Bluetooth> |         | Ant4 Full Power |                     |       |       |               |
|-------------|---------|-----------------|---------------------|-------|-------|---------------|
| Mode        | Channel | Frequency (MHz) | Average power (dBm) |       |       | Tune-up Limit |
|             |         |                 | 1Mbps               | 2Mbps | 3Mbps |               |
| BR / EDR    | CH 00   | 2402            | 8.48                | 7.00  | 7.04  | 8.5           |
|             | CH 39   | 2441            | 8.15                | 6.61  | 6.58  | 8.5           |
|             | CH 78   | 2480            | 7.72                | 6.03  | 6.06  | 8.0           |

| BLE 1M |         |                 | Ant4 Full Power     |               |
|--------|---------|-----------------|---------------------|---------------|
| Mode   | Channel | Frequency (MHz) | Average power (dBm) | Tune-up Limit |
|        |         |                 | GFSK                |               |
| LE     | CH 00   | 2402            | 8.31                | 8.5           |
|        | CH 19   | 2440            | 8.10                | 8.5           |
|        | CH 39   | 2480            | 7.46                | 8.0           |

| BLE 2M |         |                 | Ant4 Full Power     |               |
|--------|---------|-----------------|---------------------|---------------|
| Mode   | Channel | Frequency (MHz) | Average power (dBm) | Tune-up Limit |
|        |         |                 | GFSK                |               |
| LE     | CH 01   | 2404            | 8.42                | 8.5           |
|        | CH 19   | 2440            | 7.95                | 8.5           |
|        | CH 38   | 2478            | 7.56                | 8.0           |

| LORA-DTS-500K |                 | Ant8 For Body-worn/Hotspot |               |
|---------------|-----------------|----------------------------|---------------|
| Channel       | Frequency (MHz) | Average power (dBm)        | Tune-up Limit |
|               |                 | 500k                       |               |
| CH 1          | 904             | 26.48                      | 27.0          |
| CH 12         | 915             | 25.96                      | 27.0          |
| CH 23         | 926             | 25.25                      | 27.0          |