



| LTE Band 2      |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 18675             |       | 18900              |       | 19125            |       |
| Frequency (MHz) |            |         |           | 1857.5            |       | 1880               |       | 1902.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 15              | QPSK       | 1       | 0         | 23.51             | 0.224 | 23.41              | 0.219 | 23.32            | 0.215 |
| 15              | QPSK       | 1       | 37        | 23.42             | 0.220 | 23.25              | 0.211 | 23.32            | 0.215 |
| 15              | QPSK       | 1       | 74        | 23.25             | 0.211 | 23.29              | 0.213 | 23.42            | 0.220 |
| 15              | QPSK       | 36      | 0         | 22.49             | 0.177 | 22.38              | 0.173 | 22.11            | 0.163 |
| 15              | QPSK       | 36      | 20        | 22.54             | 0.179 | 22.23              | 0.167 | 22.22            | 0.167 |
| 15              | QPSK       | 36      | 39        | 22.42             | 0.175 | 22.26              | 0.168 | 22.47            | 0.177 |
| 15              | QPSK       | 75      | 0         | 22.52             | 0.179 | 22.29              | 0.169 | 22.55            | 0.180 |
| 15              | 16QAM      | 1       | 0         | 22.58             | 0.181 | 22.39              | 0.173 | 22.54            | 0.179 |
| 15              | 16QAM      | 1       | 37        | 22.74             | 0.188 | 22.21              | 0.166 | 22.32            | 0.171 |
| 15              | 16QAM      | 1       | 74        | 22.60             | 0.182 | 22.62              | 0.183 | 22.64            | 0.184 |
| 15              | 16QAM      | 36      | 0         | 21.57             | 0.144 | 21.20              | 0.132 | 21.38            | 0.137 |
| 15              | 16QAM      | 36      | 20        | 21.51             | 0.142 | 21.27              | 0.134 | 21.42            | 0.139 |
| 15              | 16QAM      | 36      | 39        | 21.43             | 0.139 | 21.23              | 0.133 | 21.37            | 0.137 |
| 15              | 16QAM      | 75      | 0         | 21.46             | 0.140 | 21.34              | 0.136 | 21.39            | 0.138 |
| 15              | 64QAM      | 1       | 0         | 21.28             | 0.134 | 21.44              | 0.139 | 21.57            | 0.144 |
| 15              | 64QAM      | 1       | 37        | 21.52             | 0.142 | 21.73              | 0.149 | 21.56            | 0.143 |
| 15              | 64QAM      | 1       | 74        | 21.35             | 0.136 | 21.54              | 0.143 | 21.84            | 0.153 |
| 15              | 64QAM      | 36      | 0         | 21.48             | 0.141 | 21.35              | 0.136 | 21.42            | 0.139 |
| 15              | 64QAM      | 36      | 20        | 21.47             | 0.140 | 21.21              | 0.132 | 21.45            | 0.140 |
| 15              | 64QAM      | 36      | 39        | 21.41             | 0.138 | 21.42              | 0.139 | 21.43            | 0.139 |
| 15              | 64QAM      | 75      | 0         | 21.46             | 0.140 | 21.27              | 0.134 | 21.37            | 0.137 |



| LTE Band 2      |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 18650             |       | 18900              |       | 19150            |       |
| Frequency (MHz) |            |         |           | 1855              |       | 1880               |       | 1905             |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 10              | QPSK       | 1       | 0         | 23.44             | 0.221 | 23.29              | 0.213 | 23.44            | 0.221 |
| 10              | QPSK       | 1       | 25        | 23.41             | 0.219 | 23.32              | 0.215 | 23.23            | 0.210 |
| 10              | QPSK       | 1       | 49        | 23.38             | 0.218 | 23.31              | 0.214 | 23.44            | 0.221 |
| 10              | QPSK       | 25      | 0         | 22.51             | 0.178 | 22.25              | 0.168 | 22.53            | 0.179 |
| 10              | QPSK       | 25      | 12        | 22.48             | 0.177 | 22.24              | 0.167 | 22.44            | 0.175 |
| 10              | QPSK       | 25      | 25        | 22.46             | 0.176 | 22.29              | 0.169 | 22.54            | 0.179 |
| 10              | QPSK       | 50      | 0         | 22.44             | 0.175 | 22.22              | 0.167 | 22.24            | 0.167 |
| 10              | 16QAM      | 1       | 0         | 22.50             | 0.178 | 22.46              | 0.176 | 22.08            | 0.161 |
| 10              | 16QAM      | 1       | 25        | 22.58             | 0.181 | 22.41              | 0.174 | 22.36            | 0.172 |
| 10              | 16QAM      | 1       | 49        | 22.56             | 0.180 | 22.46              | 0.176 | 22.23            | 0.167 |
| 10              | 16QAM      | 25      | 0         | 21.67             | 0.147 | 21.40              | 0.138 | 21.45            | 0.140 |
| 10              | 16QAM      | 25      | 12        | 21.49             | 0.141 | 21.37              | 0.137 | 21.43            | 0.139 |
| 10              | 16QAM      | 25      | 25        | 21.53             | 0.142 | 21.23              | 0.133 | 21.34            | 0.136 |
| 10              | 16QAM      | 50      | 0         | 21.55             | 0.143 | 21.22              | 0.132 | 21.31            | 0.135 |
| 10              | 64QAM      | 1       | 0         | 21.52             | 0.142 | 21.44              | 0.139 | 21.42            | 0.139 |
| 10              | 64QAM      | 1       | 25        | 21.42             | 0.139 | 21.62              | 0.145 | 21.54            | 0.143 |
| 10              | 64QAM      | 1       | 49        | 21.54             | 0.143 | 22.09              | 0.162 | 21.42            | 0.139 |
| 10              | 64QAM      | 25      | 0         | 21.51             | 0.142 | 21.24              | 0.133 | 21.58            | 0.144 |
| 10              | 64QAM      | 25      | 12        | 21.47             | 0.140 | 21.30              | 0.135 | 21.48            | 0.141 |
| 10              | 64QAM      | 25      | 25        | 21.53             | 0.142 | 21.20              | 0.132 | 21.54            | 0.143 |
| 10              | 64QAM      | 50      | 0         | 21.52             | 0.142 | 21.28              | 0.134 | 21.57            | 0.144 |



| LTE Band 2      |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 18625             |       | 18900              |       | 19175            |       |
| Frequency (MHz) |            |         |           | 1852.5            |       | 1880               |       | 1907.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 5               | QPSK       | 1       | 0         | 23.29             | 0.213 | 23.34              | 0.216 | 23.32            | 0.215 |
| 5               | QPSK       | 1       | 12        | 23.44             | 0.221 | 23.45              | 0.221 | 23.42            | 0.220 |
| 5               | QPSK       | 1       | 24        | 23.33             | 0.215 | 23.37              | 0.217 | 23.29            | 0.213 |
| 5               | QPSK       | 12      | 0         | 22.51             | 0.178 | 22.24              | 0.167 | 22.57            | 0.181 |
| 5               | QPSK       | 12      | 7         | 22.53             | 0.179 | 22.23              | 0.167 | 22.41            | 0.174 |
| 5               | QPSK       | 12      | 13        | 22.41             | 0.174 | 22.21              | 0.166 | 22.49            | 0.177 |
| 5               | QPSK       | 25      | 0         | 22.49             | 0.177 | 22.39              | 0.173 | 22.64            | 0.184 |
| 5               | 16QAM      | 1       | 0         | 22.70             | 0.186 | 22.32              | 0.171 | 22.67            | 0.185 |
| 5               | 16QAM      | 1       | 12        | 22.66             | 0.185 | 22.62              | 0.183 | 22.64            | 0.184 |
| 5               | 16QAM      | 1       | 24        | 22.71             | 0.187 | 22.46              | 0.176 | 22.45            | 0.176 |
| 5               | 16QAM      | 12      | 0         | 21.48             | 0.141 | 21.47              | 0.140 | 21.58            | 0.144 |
| 5               | 16QAM      | 12      | 7         | 21.50             | 0.141 | 21.27              | 0.134 | 21.46            | 0.140 |
| 5               | 16QAM      | 12      | 13        | 21.40             | 0.138 | 21.39              | 0.138 | 21.53            | 0.142 |
| 5               | 16QAM      | 25      | 0         | 21.56             | 0.143 | 21.30              | 0.135 | 21.49            | 0.141 |
| 5               | 64QAM      | 1       | 0         | 21.42             | 0.139 | 21.49              | 0.141 | 21.54            | 0.143 |
| 5               | 64QAM      | 1       | 12        | 21.56             | 0.143 | 21.43              | 0.139 | 21.74            | 0.149 |
| 5               | 64QAM      | 1       | 24        | 21.42             | 0.139 | 21.55              | 0.143 | 21.67            | 0.147 |
| 5               | 64QAM      | 12      | 0         | 21.55             | 0.143 | 21.59              | 0.144 | 21.59            | 0.144 |
| 5               | 64QAM      | 12      | 7         | 21.49             | 0.141 | 21.44              | 0.139 | 21.56            | 0.143 |
| 5               | 64QAM      | 12      | 13        | 21.47             | 0.140 | 21.55              | 0.143 | 21.64            | 0.146 |
| 5               | 64QAM      | 25      | 0         | 21.49             | 0.141 | 21.54              | 0.143 | 21.50            | 0.141 |



| LTE Band 2      |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 18615             |       | 18900              |       | 19185            |       |
| Frequency (MHz) |            |         |           | 1851.5            |       | 1880               |       | 1908.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 3               | QPSK       | 1       | 0         | 23.41             | 0.219 | 23.34              | 0.216 | 23.33            | 0.215 |
| 3               | QPSK       | 1       | 8         | 23.37             | 0.217 | 23.36              | 0.217 | 23.37            | 0.217 |
| 3               | QPSK       | 1       | 14        | 23.35             | 0.216 | 23.29              | 0.213 | 23.43            | 0.220 |
| 3               | QPSK       | 8       | 0         | 22.42             | 0.175 | 22.25              | 0.168 | 22.44            | 0.175 |
| 3               | QPSK       | 8       | 4         | 22.47             | 0.177 | 22.27              | 0.169 | 22.35            | 0.172 |
| 3               | QPSK       | 8       | 7         | 22.51             | 0.178 | 22.27              | 0.169 | 22.29            | 0.169 |
| 3               | QPSK       | 15      | 0         | 22.46             | 0.176 | 22.24              | 0.167 | 22.38            | 0.173 |
| 3               | 16QAM      | 1       | 0         | 22.50             | 0.178 | 22.64              | 0.184 | 22.45            | 0.176 |
| 3               | 16QAM      | 1       | 8         | 22.59             | 0.182 | 22.39              | 0.173 | 22.43            | 0.175 |
| 3               | 16QAM      | 1       | 14        | 22.55             | 0.180 | 22.41              | 0.174 | 22.64            | 0.184 |
| 3               | 16QAM      | 8       | 0         | 21.67             | 0.147 | 21.24              | 0.133 | 21.38            | 0.137 |
| 3               | 16QAM      | 8       | 4         | 21.45             | 0.140 | 21.31              | 0.135 | 21.36            | 0.137 |
| 3               | 16QAM      | 8       | 7         | 21.53             | 0.142 | 21.28              | 0.134 | 21.38            | 0.137 |
| 3               | 16QAM      | 15      | 0         | 21.52             | 0.142 | 21.43              | 0.139 | 21.42            | 0.139 |
| 3               | 64QAM      | 1       | 0         | 21.47             | 0.140 | 21.47              | 0.140 | 21.75            | 0.150 |
| 3               | 64QAM      | 1       | 8         | 21.42             | 0.139 | 21.52              | 0.142 | 21.62            | 0.145 |
| 3               | 64QAM      | 1       | 14        | 21.54             | 0.143 | 21.54              | 0.143 | 21.83            | 0.152 |
| 3               | 64QAM      | 8       | 0         | 21.44             | 0.139 | 21.29              | 0.135 | 21.42            | 0.139 |
| 3               | 64QAM      | 8       | 4         | 21.49             | 0.141 | 21.25              | 0.133 | 21.48            | 0.141 |
| 3               | 64QAM      | 8       | 7         | 21.40             | 0.138 | 21.20              | 0.132 | 21.49            | 0.141 |
| 3               | 64QAM      | 15      | 0         | 21.52             | 0.142 | 21.44              | 0.139 | 21.58            | 0.144 |



| LTE Band 2      |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 18607             |       | 18900              |       | 19193            |       |
| Frequency (MHz) |            |         |           | 1850.7            |       | 1880               |       | 1909.3           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 1.4             | QPSK       | 1       | 0         | 23.40             | 0.219 | 23.36              | 0.217 | 23.38            | 0.218 |
| 1.4             | QPSK       | 1       | 3         | 23.41             | 0.219 | 23.30              | 0.214 | 23.31            | 0.214 |
| 1.4             | QPSK       | 1       | 5         | 23.28             | 0.213 | 23.44              | 0.221 | 23.33            | 0.215 |
| 1.4             | QPSK       | 3       | 0         | 23.45             | 0.221 | 23.23              | 0.210 | 23.39            | 0.218 |
| 1.4             | QPSK       | 3       | 1         | 23.47             | 0.222 | 23.34              | 0.216 | 23.38            | 0.218 |
| 1.4             | QPSK       | 3       | 3         | 23.42             | 0.220 | 23.29              | 0.213 | 23.28            | 0.213 |
| 1.4             | QPSK       | 6       | 0         | 22.46             | 0.176 | 22.29              | 0.169 | 22.28            | 0.169 |
| 1.4             | 16QAM      | 1       | 0         | 22.50             | 0.178 | 22.50              | 0.178 | 22.44            | 0.175 |
| 1.4             | 16QAM      | 1       | 3         | 22.57             | 0.181 | 22.55              | 0.180 | 22.21            | 0.166 |
| 1.4             | 16QAM      | 1       | 5         | 22.51             | 0.178 | 22.56              | 0.180 | 22.21            | 0.166 |
| 1.4             | 16QAM      | 3       | 0         | 22.49             | 0.177 | 22.42              | 0.175 | 22.46            | 0.176 |
| 1.4             | 16QAM      | 3       | 1         | 22.67             | 0.185 | 22.41              | 0.174 | 22.48            | 0.177 |
| 1.4             | 16QAM      | 3       | 3         | 22.53             | 0.179 | 22.35              | 0.172 | 22.51            | 0.178 |
| 1.4             | 16QAM      | 6       | 0         | 21.33             | 0.136 | 21.37              | 0.137 | 21.34            | 0.136 |
| 1.4             | 64QAM      | 1       | 0         | 21.42             | 0.139 | 22.00              | 0.158 | 21.89            | 0.155 |
| 1.4             | 64QAM      | 1       | 3         | 21.43             | 0.139 | 21.44              | 0.139 | 21.47            | 0.140 |
| 1.4             | 64QAM      | 1       | 5         | 21.36             | 0.137 | 21.42              | 0.139 | 21.92            | 0.156 |
| 1.4             | 64QAM      | 3       | 0         | 21.31             | 0.135 | 21.45              | 0.140 | 21.84            | 0.153 |
| 1.4             | 64QAM      | 3       | 1         | 21.54             | 0.143 | 21.31              | 0.135 | 21.90            | 0.155 |
| 1.4             | 64QAM      | 3       | 3         | 21.42             | 0.139 | 21.45              | 0.140 | 21.91            | 0.155 |
| 1.4             | 64QAM      | 6       | 0         | 21.56             | 0.143 | 21.22              | 0.132 | 21.46            | 0.140 |



| LTE Band 4      |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 20050             |       | 20175              |       | 20300            |       |
| Frequency (MHz) |            |         |           | 1720              |       | 1732.5             |       | 1745             |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 20              | QPSK       | 1       | 0         | 23.32             | 0.215 | 23.33              | 0.215 | 23.54            | 0.226 |
| 20              | QPSK       | 1       | 49        | 23.49             | 0.223 | 23.48              | 0.223 | 23.27            | 0.212 |
| 20              | QPSK       | 1       | 99        | 23.16             | 0.207 | 23.08              | 0.203 | 22.95            | 0.197 |
| 20              | QPSK       | 50      | 0         | 22.35             | 0.172 | 22.47              | 0.177 | 22.58            | 0.181 |
| 20              | QPSK       | 50      | 24        | 22.43             | 0.175 | 22.39              | 0.173 | 22.54            | 0.179 |
| 20              | QPSK       | 50      | 50        | 22.32             | 0.171 | 22.34              | 0.171 | 22.29            | 0.169 |
| 20              | QPSK       | 100     | 0         | 22.36             | 0.172 | 22.49              | 0.177 | 22.47            | 0.177 |
| 20              | 16QAM      | 1       | 0         | 22.54             | 0.179 | 22.28              | 0.169 | 22.41            | 0.174 |
| 20              | 16QAM      | 1       | 49        | 22.35             | 0.172 | 22.44              | 0.175 | 22.67            | 0.185 |
| 20              | 16QAM      | 1       | 99        | 22.29             | 0.169 | 22.57              | 0.181 | 22.60            | 0.182 |
| 20              | 16QAM      | 50      | 0         | 21.69             | 0.148 | 21.50              | 0.141 | 21.61            | 0.145 |
| 20              | 16QAM      | 50      | 24        | 21.63             | 0.146 | 21.53              | 0.142 | 21.46            | 0.140 |
| 20              | 16QAM      | 50      | 50        | 21.56             | 0.143 | 21.37              | 0.137 | 21.34            | 0.136 |
| 20              | 16QAM      | 100     | 0         | 21.58             | 0.144 | 21.44              | 0.139 | 21.48            | 0.141 |
| 20              | 64QAM      | 1       | 0         | 21.14             | 0.130 | 21.37              | 0.137 | 21.25            | 0.133 |
| 20              | 64QAM      | 1       | 49        | 20.92             | 0.124 | 20.96              | 0.125 | 21.04            | 0.127 |
| 20              | 64QAM      | 1       | 99        | 21.23             | 0.133 | 21.06              | 0.128 | 20.95            | 0.124 |
| 20              | 64QAM      | 50      | 0         | 21.57             | 0.144 | 21.46              | 0.140 | 21.57            | 0.144 |
| 20              | 64QAM      | 50      | 24        | 21.56             | 0.143 | 21.56              | 0.143 | 21.52            | 0.142 |
| 20              | 64QAM      | 50      | 50        | 21.47             | 0.140 | 21.45              | 0.140 | 21.31            | 0.135 |
| 20              | 64QAM      | 100     | 0         | 21.60             | 0.145 | 21.48              | 0.141 | 21.41            | 0.138 |



| LTE Band 4      |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 20025             |       | 20175              |       | 20325            |       |
| Frequency (MHz) |            |         |           | 1717.5            |       | 1732.5             |       | 1747.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 15              | QPSK       | 1       | 0         | 23.52             | 0.225 | 23.47              | 0.222 | 23.35            | 0.216 |
| 15              | QPSK       | 1       | 37        | 23.26             | 0.212 | 23.37              | 0.217 | 23.37            | 0.217 |
| 15              | QPSK       | 1       | 74        | 23.40             | 0.219 | 23.28              | 0.213 | 23.33            | 0.215 |
| 15              | QPSK       | 36      | 0         | 22.64             | 0.184 | 22.49              | 0.177 | 22.54            | 0.179 |
| 15              | QPSK       | 36      | 20        | 22.65             | 0.184 | 22.57              | 0.181 | 22.55            | 0.180 |
| 15              | QPSK       | 36      | 39        | 22.57             | 0.181 | 22.55              | 0.180 | 22.46            | 0.176 |
| 15              | QPSK       | 75      | 0         | 22.67             | 0.185 | 22.50              | 0.178 | 22.55            | 0.180 |
| 15              | 16QAM      | 1       | 0         | 22.26             | 0.168 | 22.48              | 0.177 | 22.36            | 0.172 |
| 15              | 16QAM      | 1       | 37        | 22.36             | 0.172 | 22.36              | 0.172 | 22.60            | 0.182 |
| 15              | 16QAM      | 1       | 74        | 22.64             | 0.184 | 22.25              | 0.168 | 22.53            | 0.179 |
| 15              | 16QAM      | 36      | 0         | 21.63             | 0.146 | 21.52              | 0.142 | 21.49            | 0.141 |
| 15              | 16QAM      | 36      | 20        | 21.56             | 0.143 | 21.51              | 0.142 | 21.52            | 0.142 |
| 15              | 16QAM      | 36      | 39        | 21.52             | 0.142 | 21.43              | 0.139 | 21.37            | 0.137 |
| 15              | 16QAM      | 75      | 0         | 21.62             | 0.145 | 21.49              | 0.141 | 21.44            | 0.139 |
| 15              | 64QAM      | 1       | 0         | 21.61             | 0.145 | 21.55              | 0.143 | 21.25            | 0.133 |
| 15              | 64QAM      | 1       | 37        | 21.25             | 0.133 | 21.62              | 0.145 | 21.34            | 0.136 |
| 15              | 64QAM      | 1       | 74        | 21.24             | 0.133 | 21.45              | 0.140 | 21.26            | 0.134 |
| 15              | 64QAM      | 36      | 0         | 21.56             | 0.143 | 21.62              | 0.145 | 21.53            | 0.142 |
| 15              | 64QAM      | 36      | 20        | 21.53             | 0.142 | 21.47              | 0.140 | 21.45            | 0.140 |
| 15              | 64QAM      | 36      | 39        | 21.57             | 0.144 | 21.43              | 0.139 | 21.47            | 0.140 |
| 15              | 64QAM      | 75      | 0         | 21.62             | 0.145 | 21.47              | 0.140 | 21.54            | 0.143 |



| LTE Band 4      |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 20000             |       | 20175              |       | 20350            |       |
| Frequency (MHz) |            |         |           | 1715              |       | 1732.5             |       | 1750             |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 10              | QPSK       | 1       | 0         | 23.21             | 0.209 | 23.48              | 0.223 | 23.40            | 0.219 |
| 10              | QPSK       | 1       | 25        | 23.21             | 0.209 | 23.38              | 0.218 | 23.25            | 0.211 |
| 10              | QPSK       | 1       | 49        | 23.44             | 0.221 | 23.35              | 0.216 | 23.41            | 0.219 |
| 10              | QPSK       | 25      | 0         | 22.67             | 0.185 | 22.56              | 0.180 | 22.57            | 0.181 |
| 10              | QPSK       | 25      | 12        | 22.71             | 0.187 | 22.61              | 0.182 | 22.50            | 0.178 |
| 10              | QPSK       | 25      | 25        | 22.60             | 0.182 | 22.50              | 0.178 | 22.51            | 0.178 |
| 10              | QPSK       | 50      | 0         | 22.64             | 0.184 | 22.57              | 0.181 | 22.62            | 0.183 |
| 10              | 16QAM      | 1       | 0         | 22.25             | 0.168 | 22.28              | 0.169 | 22.57            | 0.181 |
| 10              | 16QAM      | 1       | 25        | 22.36             | 0.172 | 22.32              | 0.171 | 22.58            | 0.181 |
| 10              | 16QAM      | 1       | 49        | 22.55             | 0.180 | 22.32              | 0.171 | 22.41            | 0.174 |
| 10              | 16QAM      | 25      | 0         | 21.54             | 0.143 | 21.61              | 0.145 | 21.59            | 0.144 |
| 10              | 16QAM      | 25      | 12        | 21.26             | 0.134 | 21.68              | 0.147 | 21.51            | 0.142 |
| 10              | 16QAM      | 25      | 25        | 21.53             | 0.142 | 21.58              | 0.144 | 21.53            | 0.142 |
| 10              | 16QAM      | 50      | 0         | 21.65             | 0.146 | 21.49              | 0.141 | 21.53            | 0.142 |
| 10              | 64QAM      | 1       | 0         | 21.47             | 0.140 | 21.37              | 0.137 | 21.55            | 0.143 |
| 10              | 64QAM      | 1       | 25        | 21.29             | 0.135 | 21.54              | 0.143 | 21.36            | 0.137 |
| 10              | 64QAM      | 1       | 49        | 21.39             | 0.138 | 21.36              | 0.137 | 21.29            | 0.135 |
| 10              | 64QAM      | 25      | 0         | 21.58             | 0.144 | 21.58              | 0.144 | 21.64            | 0.146 |
| 10              | 64QAM      | 25      | 12        | 21.54             | 0.143 | 21.53              | 0.142 | 21.63            | 0.146 |
| 10              | 64QAM      | 25      | 25        | 21.63             | 0.146 | 21.55              | 0.143 | 21.52            | 0.142 |
| 10              | 64QAM      | 50      | 0         | 21.59             | 0.144 | 21.54              | 0.143 | 21.55            | 0.143 |





| LTE Band 4      |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 19975             |       | 20175              |       | 20375            |       |
| Frequency (MHz) |            |         |           | 1712.5            |       | 1732.5             |       | 1752.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 5               | QPSK       | 1       | 0         | 23.50             | 0.224 | 23.35              | 0.216 | 23.33            | 0.215 |
| 5               | QPSK       | 1       | 12        | 23.49             | 0.223 | 23.37              | 0.217 | 23.31            | 0.214 |
| 5               | QPSK       | 1       | 24        | 23.34             | 0.216 | 23.19              | 0.208 | 23.35            | 0.216 |
| 5               | QPSK       | 12      | 0         | 22.61             | 0.182 | 22.49              | 0.177 | 22.59            | 0.182 |
| 5               | QPSK       | 12      | 7         | 22.67             | 0.185 | 22.54              | 0.179 | 22.50            | 0.178 |
| 5               | QPSK       | 12      | 13        | 22.59             | 0.182 | 22.47              | 0.177 | 22.56            | 0.180 |
| 5               | QPSK       | 25      | 0         | 22.61             | 0.182 | 22.55              | 0.180 | 22.58            | 0.181 |
| 5               | 16QAM      | 1       | 0         | 22.37             | 0.173 | 22.29              | 0.169 | 22.49            | 0.177 |
| 5               | 16QAM      | 1       | 12        | 22.65             | 0.184 | 22.32              | 0.171 | 22.57            | 0.181 |
| 5               | 16QAM      | 1       | 24        | 22.87             | 0.194 | 22.20              | 0.166 | 22.57            | 0.181 |
| 5               | 16QAM      | 12      | 0         | 21.59             | 0.144 | 21.46              | 0.140 | 21.59            | 0.144 |
| 5               | 16QAM      | 12      | 7         | 21.57             | 0.144 | 21.59              | 0.144 | 21.66            | 0.147 |
| 5               | 16QAM      | 12      | 13        | 21.49             | 0.141 | 21.50              | 0.141 | 21.48            | 0.141 |
| 5               | 16QAM      | 25      | 0         | 21.56             | 0.143 | 21.39              | 0.138 | 21.58            | 0.144 |
| 5               | 64QAM      | 1       | 0         | 21.36             | 0.137 | 21.58              | 0.144 | 21.28            | 0.134 |
| 5               | 64QAM      | 1       | 12        | 21.26             | 0.134 | 21.29              | 0.135 | 21.49            | 0.141 |
| 5               | 64QAM      | 1       | 24        | 21.48             | 0.141 | 21.38              | 0.137 | 21.37            | 0.137 |
| 5               | 64QAM      | 12      | 0         | 21.60             | 0.145 | 21.49              | 0.141 | 21.58            | 0.144 |
| 5               | 64QAM      | 12      | 7         | 21.59             | 0.144 | 21.66              | 0.147 | 21.58            | 0.144 |
| 5               | 64QAM      | 12      | 13        | 21.58             | 0.144 | 21.49              | 0.141 | 21.46            | 0.140 |
| 5               | 64QAM      | 25      | 0         | 21.56             | 0.143 | 21.45              | 0.140 | 21.49            | 0.141 |



| LTE Band 4      |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 19965             |       | 20175              |       | 20385            |       |
| Frequency (MHz) |            |         |           | 1711.5            |       | 1732.5             |       | 1753.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 3               | QPSK       | 1       | 0         | 23.32             | 0.215 | 23.43              | 0.220 | 23.45            | 0.221 |
| 3               | QPSK       | 1       | 8         | 23.40             | 0.219 | 23.33              | 0.215 | 23.36            | 0.217 |
| 3               | QPSK       | 1       | 14        | 23.04             | 0.201 | 23.39              | 0.218 | 23.33            | 0.215 |
| 3               | QPSK       | 8       | 0         | 22.32             | 0.171 | 22.37              | 0.173 | 22.36            | 0.172 |
| 3               | QPSK       | 8       | 4         | 22.36             | 0.172 | 22.36              | 0.172 | 22.41            | 0.174 |
| 3               | QPSK       | 8       | 7         | 22.25             | 0.168 | 22.58              | 0.181 | 22.26            | 0.168 |
| 3               | QPSK       | 15      | 0         | 21.92             | 0.156 | 22.29              | 0.169 | 22.43            | 0.175 |
| 3               | 16QAM      | 1       | 0         | 22.26             | 0.168 | 22.35              | 0.172 | 22.06            | 0.161 |
| 3               | 16QAM      | 1       | 8         | 22.36             | 0.172 | 22.28              | 0.169 | 22.09            | 0.162 |
| 3               | 16QAM      | 1       | 14        | 22.26             | 0.168 | 22.36              | 0.172 | 22.16            | 0.164 |
| 3               | 16QAM      | 8       | 0         | 21.28             | 0.134 | 21.54              | 0.143 | 21.32            | 0.136 |
| 3               | 16QAM      | 8       | 4         | 21.32             | 0.136 | 21.24              | 0.133 | 21.28            | 0.134 |
| 3               | 16QAM      | 8       | 7         | 21.25             | 0.133 | 21.48              | 0.141 | 21.29            | 0.135 |
| 3               | 16QAM      | 15      | 0         | 21.31             | 0.135 | 21.36              | 0.137 | 21.59            | 0.144 |
| 3               | 64QAM      | 1       | 0         | 21.36             | 0.137 | 21.34              | 0.136 | 21.26            | 0.134 |
| 3               | 64QAM      | 1       | 8         | 21.35             | 0.136 | 21.24              | 0.133 | 21.37            | 0.137 |
| 3               | 64QAM      | 1       | 14        | 21.24             | 0.133 | 21.52              | 0.142 | 21.28            | 0.134 |
| 3               | 64QAM      | 8       | 0         | 21.43             | 0.139 | 21.36              | 0.137 | 21.48            | 0.141 |
| 3               | 64QAM      | 8       | 4         | 21.30             | 0.135 | 21.56              | 0.143 | 21.38            | 0.137 |
| 3               | 64QAM      | 8       | 7         | 21.31             | 0.135 | 21.34              | 0.136 | 21.57            | 0.144 |
| 3               | 64QAM      | 15      | 0         | 21.24             | 0.133 | 21.40              | 0.138 | 21.50            | 0.141 |



| LTE Band 4      |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 19957             |       | 20175              |       | 20393            |       |
| Frequency (MHz) |            |         |           | 1710.7            |       | 1732.5             |       | 1754.3           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 1.4             | QPSK       | 1       | 0         | 23.45             | 0.221 | 23.40              | 0.219 | 23.28            | 0.213 |
| 1.4             | QPSK       | 1       | 3         | 23.40             | 0.219 | 23.43              | 0.220 | 23.28            | 0.213 |
| 1.4             | QPSK       | 1       | 5         | 23.43             | 0.220 | 23.31              | 0.214 | 23.35            | 0.216 |
| 1.4             | QPSK       | 3       | 0         | 23.27             | 0.212 | 23.44              | 0.221 | 23.42            | 0.220 |
| 1.4             | QPSK       | 3       | 1         | 23.07             | 0.203 | 23.40              | 0.219 | 23.33            | 0.215 |
| 1.4             | QPSK       | 3       | 3         | 23.40             | 0.219 | 23.14              | 0.206 | 23.40            | 0.219 |
| 1.4             | QPSK       | 6       | 0         | 22.56             | 0.180 | 22.45              | 0.176 | 22.54            | 0.179 |
| 1.4             | 16QAM      | 1       | 0         | 22.59             | 0.182 | 22.39              | 0.173 | 22.25            | 0.168 |
| 1.4             | 16QAM      | 1       | 3         | 22.36             | 0.172 | 22.55              | 0.180 | 22.36            | 0.172 |
| 1.4             | 16QAM      | 1       | 5         | 22.38             | 0.173 | 22.38              | 0.173 | 22.37            | 0.173 |
| 1.4             | 16QAM      | 3       | 0         | 22.42             | 0.175 | 22.36              | 0.172 | 22.43            | 0.175 |
| 1.4             | 16QAM      | 3       | 1         | 22.25             | 0.168 | 22.56              | 0.180 | 22.35            | 0.172 |
| 1.4             | 16QAM      | 3       | 3         | 22.59             | 0.182 | 22.46              | 0.176 | 22.49            | 0.177 |
| 1.4             | 16QAM      | 6       | 0         | 21.14             | 0.130 | 21.14              | 0.130 | 21.46            | 0.140 |
| 1.4             | 64QAM      | 1       | 0         | 21.25             | 0.133 | 21.25              | 0.133 | 21.34            | 0.136 |
| 1.4             | 64QAM      | 1       | 3         | 21.36             | 0.137 | 21.32              | 0.136 | 21.43            | 0.139 |
| 1.4             | 64QAM      | 1       | 5         | 21.51             | 0.142 | 21.24              | 0.133 | 21.39            | 0.138 |
| 1.4             | 64QAM      | 3       | 0         | 21.32             | 0.136 | 21.32              | 0.136 | 21.53            | 0.142 |
| 1.4             | 64QAM      | 3       | 1         | 21.31             | 0.135 | 21.45              | 0.140 | 21.39            | 0.138 |
| 1.4             | 64QAM      | 3       | 3         | 21.36             | 0.137 | 21.26              | 0.134 | 21.27            | 0.134 |
| 1.4             | 64QAM      | 6       | 0         | 21.21             | 0.132 | 21.43              | 0.139 | 21.50            | 0.141 |



| LTE Band 5      |            |         |           | Measured E.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq. |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 20450           |       | 20525              |       | 20600            |       |
| Frequency (MHz) |            |         |           | 829             |       | 836.5              |       | 844              |       |
|                 |            |         |           | dBm             | W     | dBm                | W     | dBm              | W     |
| 10              | QPSK       | 1       | 0         | 20.23           | 0.105 | 20.16              | 0.104 | 20.36            | 0.109 |
| 10              | QPSK       | 1       | 25        | 20.21           | 0.105 | 20.31              | 0.107 | 20.32            | 0.108 |
| 10              | QPSK       | 1       | 49        | 20.17           | 0.104 | 20.29              | 0.107 | 20.27            | 0.106 |
| 10              | QPSK       | 25      | 0         | 19.60           | 0.091 | 19.64              | 0.092 | 19.74            | 0.094 |
| 10              | QPSK       | 25      | 12        | 19.67           | 0.093 | 19.60              | 0.091 | 19.67            | 0.093 |
| 10              | QPSK       | 25      | 25        | 19.59           | 0.091 | 19.67              | 0.093 | 19.59            | 0.091 |
| 10              | QPSK       | 50      | 0         | 19.71           | 0.094 | 19.58              | 0.091 | 19.42            | 0.087 |
| 10              | 16QAM      | 1       | 0         | 19.50           | 0.089 | 19.54              | 0.090 | 19.19            | 0.083 |
| 10              | 16QAM      | 1       | 25        | 19.67           | 0.093 | 19.60              | 0.091 | 19.25            | 0.084 |
| 10              | 16QAM      | 1       | 49        | 19.47           | 0.089 | 19.20              | 0.083 | 19.35            | 0.086 |
| 10              | 16QAM      | 25      | 0         | 18.60           | 0.072 | 18.82              | 0.076 | 18.74            | 0.075 |
| 10              | 16QAM      | 25      | 12        | 18.92           | 0.078 | 18.79              | 0.076 | 18.71            | 0.074 |
| 10              | 16QAM      | 25      | 25        | 18.74           | 0.075 | 18.81              | 0.076 | 18.63            | 0.073 |
| 10              | 16QAM      | 50      | 0         | 18.92           | 0.078 | 18.80              | 0.076 | 18.74            | 0.075 |
| 10              | 64QAM      | 1       | 0         | 18.70           | 0.074 | 18.71              | 0.074 | 18.66            | 0.073 |
| 10              | 64QAM      | 1       | 25        | 18.60           | 0.072 | 18.89              | 0.077 | 18.62            | 0.073 |
| 10              | 64QAM      | 1       | 49        | 18.74           | 0.075 | 18.74              | 0.075 | 18.58            | 0.072 |
| 10              | 64QAM      | 25      | 0         | 17.90           | 0.062 | 17.88              | 0.061 | 17.93            | 0.062 |
| 10              | 64QAM      | 25      | 12        | 17.89           | 0.062 | 17.76              | 0.060 | 17.61            | 0.058 |
| 10              | 64QAM      | 25      | 25        | 17.93           | 0.062 | 17.81              | 0.060 | 17.72            | 0.059 |
| 10              | 64QAM      | 50      | 0         | 17.91           | 0.062 | 17.83              | 0.061 | 17.71            | 0.059 |



| LTE Band 5      |            |         |           | Measured E.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq. |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 20425           |       | 20525              |       | 20625            |       |
| Frequency (MHz) |            |         |           | 826.5           |       | 836.5              |       | 846.5            |       |
|                 |            |         |           | dBm             | W     | dBm                | W     | dBm              | W     |
| 5               | QPSK       | 1       | 0         | 19.74           | 0.094 | 20.27              | 0.106 | 20.29            | 0.107 |
| 5               | QPSK       | 1       | 12        | 20.07           | 0.102 | 19.91              | 0.098 | 20.24            | 0.106 |
| 5               | QPSK       | 1       | 24        | 20.16           | 0.104 | 20.19              | 0.104 | 19.94            | 0.099 |
| 5               | QPSK       | 12      | 0         | 19.93           | 0.098 | 19.73              | 0.094 | 19.39            | 0.087 |
| 5               | QPSK       | 12      | 7         | 19.69           | 0.093 | 19.76              | 0.095 | 19.34            | 0.086 |
| 5               | QPSK       | 12      | 13        | 19.63           | 0.092 | 19.67              | 0.093 | 19.41            | 0.087 |
| 5               | QPSK       | 25      | 0         | 19.49           | 0.089 | 19.78              | 0.095 | 19.13            | 0.082 |
| 5               | 16QAM      | 1       | 0         | 19.21           | 0.083 | 19.42              | 0.087 | 19.25            | 0.084 |
| 5               | 16QAM      | 1       | 12        | 19.05           | 0.080 | 19.28              | 0.085 | 19.74            | 0.094 |
| 5               | 16QAM      | 1       | 24        | 19.24           | 0.084 | 19.09              | 0.081 | 19.54            | 0.090 |
| 5               | 16QAM      | 12      | 0         | 18.93           | 0.078 | 18.81              | 0.076 | 18.07            | 0.064 |
| 5               | 16QAM      | 12      | 7         | 18.67           | 0.074 | 18.63              | 0.073 | 18.08            | 0.064 |
| 5               | 16QAM      | 12      | 13        | 18.60           | 0.072 | 18.70              | 0.074 | 18.12            | 0.065 |
| 5               | 16QAM      | 25      | 0         | 18.67           | 0.074 | 18.67              | 0.074 | 18.15            | 0.065 |
| 5               | 64QAM      | 1       | 0         | 18.86           | 0.077 | 18.77              | 0.075 | 19.04            | 0.080 |
| 5               | 64QAM      | 1       | 12        | 18.71           | 0.074 | 18.50              | 0.071 | 18.58            | 0.072 |
| 5               | 64QAM      | 1       | 24        | 18.61           | 0.073 | 19.00              | 0.079 | 18.32            | 0.068 |
| 5               | 64QAM      | 12      | 0         | 17.80           | 0.060 | 17.58              | 0.057 | 18.01            | 0.063 |
| 5               | 64QAM      | 12      | 7         | 17.84           | 0.061 | 17.92              | 0.062 | 17.30            | 0.054 |
| 5               | 64QAM      | 12      | 13        | 17.83           | 0.061 | 17.90              | 0.062 | 17.42            | 0.055 |
| 5               | 64QAM      | 25      | 0         | 17.94           | 0.062 | 17.79              | 0.060 | 17.40            | 0.055 |



| LTE Band 5      |            |         |           | Measured E.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq. |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 20415           |       | 20525              |       | 20635            |       |
| Frequency (MHz) |            |         |           | 825.5           |       | 836.5              |       | 847.5            |       |
|                 |            |         |           | dBm             | W     | dBm                | W     | dBm              | W     |
| 3               | QPSK       | 1       | 0         | 19.87           | 0.097 | 20.21              | 0.105 | 20.01            | 0.100 |
| 3               | QPSK       | 1       | 8         | 19.87           | 0.097 | 20.16              | 0.104 | 20.09            | 0.102 |
| 3               | QPSK       | 1       | 14        | 19.87           | 0.097 | 20.29              | 0.107 | 20.07            | 0.102 |
| 3               | QPSK       | 8       | 0         | 19.60           | 0.091 | 19.50              | 0.089 | 19.71            | 0.094 |
| 3               | QPSK       | 8       | 4         | 19.67           | 0.093 | 19.53              | 0.090 | 19.61            | 0.091 |
| 3               | QPSK       | 8       | 7         | 19.55           | 0.090 | 19.59              | 0.091 | 19.50            | 0.089 |
| 3               | QPSK       | 15      | 0         | 19.61           | 0.091 | 19.63              | 0.092 | 19.42            | 0.087 |
| 3               | 16QAM      | 1       | 0         | 19.69           | 0.093 | 19.70              | 0.093 | 19.51            | 0.089 |
| 3               | 16QAM      | 1       | 8         | 19.10           | 0.081 | 19.88              | 0.097 | 19.41            | 0.087 |
| 3               | 16QAM      | 1       | 14        | 19.18           | 0.083 | 19.69              | 0.093 | 19.49            | 0.089 |
| 3               | 16QAM      | 8       | 0         | 18.61           | 0.073 | 18.77              | 0.075 | 18.59            | 0.072 |
| 3               | 16QAM      | 8       | 4         | 18.71           | 0.074 | 18.82              | 0.076 | 18.61            | 0.073 |
| 3               | 16QAM      | 8       | 7         | 18.61           | 0.073 | 18.93              | 0.078 | 18.71            | 0.074 |
| 3               | 16QAM      | 15      | 0         | 18.60           | 0.072 | 18.67              | 0.074 | 18.61            | 0.073 |
| 3               | 64QAM      | 1       | 0         | 18.94           | 0.078 | 18.82              | 0.076 | 18.67            | 0.074 |
| 3               | 64QAM      | 1       | 8         | 18.62           | 0.073 | 18.87              | 0.077 | 18.31            | 0.068 |
| 3               | 64QAM      | 1       | 14        | 18.67           | 0.074 | 18.76              | 0.075 | 18.62            | 0.073 |
| 3               | 64QAM      | 8       | 0         | 17.88           | 0.061 | 17.72              | 0.059 | 17.71            | 0.059 |
| 3               | 64QAM      | 8       | 4         | 18.03           | 0.064 | 17.75              | 0.060 | 17.57            | 0.057 |
| 3               | 64QAM      | 8       | 7         | 17.83           | 0.061 | 17.75              | 0.060 | 17.79            | 0.060 |
| 3               | 64QAM      | 15      | 0         | 17.91           | 0.062 | 17.76              | 0.060 | 17.69            | 0.059 |



| LTE Band 5      |            |         |           | Measured E.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq. |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 20407           |       | 20525              |       | 20643            |       |
| Frequency (MHz) |            |         |           | 824.7           |       | 836.5              |       | 848.3            |       |
|                 |            |         |           | dBm             | W     | dBm                | W     | dBm              | W     |
| 1.4             | QPSK       | 1       | 0         | 20.17           | 0.104 | 20.05              | 0.101 | 20.26            | 0.106 |
| 1.4             | QPSK       | 1       | 3         | 20.36           | 0.109 | 20.11              | 0.103 | 20.26            | 0.106 |
| 1.4             | QPSK       | 1       | 5         | 20.25           | 0.106 | 19.95              | 0.099 | 20.03            | 0.101 |
| 1.4             | QPSK       | 3       | 0         | 20.24           | 0.106 | 20.11              | 0.103 | 20.13            | 0.103 |
| 1.4             | QPSK       | 3       | 1         | 20.09           | 0.102 | 20.19              | 0.104 | 20.20            | 0.105 |
| 1.4             | QPSK       | 3       | 3         | 20.18           | 0.104 | 20.11              | 0.103 | 20.20            | 0.105 |
| 1.4             | QPSK       | 6       | 0         | 19.71           | 0.094 | 19.49              | 0.089 | 19.66            | 0.092 |
| 1.4             | 16QAM      | 1       | 0         | 19.53           | 0.090 | 19.49              | 0.089 | 19.54            | 0.090 |
| 1.4             | 16QAM      | 1       | 3         | 19.60           | 0.091 | 19.27              | 0.085 | 19.59            | 0.091 |
| 1.4             | 16QAM      | 1       | 5         | 19.38           | 0.087 | 19.29              | 0.085 | 19.59            | 0.091 |
| 1.4             | 16QAM      | 3       | 0         | 19.34           | 0.086 | 19.13              | 0.082 | 19.62            | 0.092 |
| 1.4             | 16QAM      | 3       | 1         | 19.54           | 0.090 | 19.16              | 0.082 | 19.39            | 0.087 |
| 1.4             | 16QAM      | 3       | 3         | 19.42           | 0.087 | 19.20              | 0.083 | 19.29            | 0.085 |
| 1.4             | 16QAM      | 6       | 0         | 18.06           | 0.064 | 18.60              | 0.072 | 18.16            | 0.065 |
| 1.4             | 64QAM      | 1       | 0         | 18.87           | 0.077 | 18.81              | 0.076 | 18.59            | 0.072 |
| 1.4             | 64QAM      | 1       | 3         | 18.61           | 0.073 | 18.95              | 0.079 | 18.71            | 0.074 |
| 1.4             | 64QAM      | 1       | 5         | 18.62           | 0.073 | 18.78              | 0.076 | 18.62            | 0.073 |
| 1.4             | 64QAM      | 3       | 0         | 18.63           | 0.073 | 18.67              | 0.074 | 19.02            | 0.080 |
| 1.4             | 64QAM      | 3       | 1         | 18.63           | 0.073 | 18.78              | 0.076 | 18.61            | 0.073 |
| 1.4             | 64QAM      | 3       | 3         | 18.71           | 0.074 | 18.97              | 0.079 | 18.67            | 0.074 |
| 1.4             | 64QAM      | 6       | 0         | 17.94           | 0.062 | 17.91              | 0.062 | 17.67            | 0.058 |



| LTE Band 7      |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 20850             |       | 21100              |       | 21350            |       |
| Frequency (MHz) |            |         |           | 2510              |       | 2535               |       | 2560             |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 20              | QPSK       | 1       | 0         | 21.42             | 0.139 | 21.45              | 0.140 | 21.76            | 0.150 |
| 20              | QPSK       | 1       | 49        | 21.94             | 0.156 | 22.15              | 0.164 | 21.92            | 0.156 |
| 20              | QPSK       | 1       | 99        | 21.66             | 0.147 | 21.66              | 0.147 | 21.91            | 0.155 |
| 20              | QPSK       | 50      | 0         | 20.80             | 0.120 | 20.86              | 0.122 | 21.05            | 0.127 |
| 20              | QPSK       | 50      | 24        | 20.92             | 0.124 | 21.14              | 0.130 | 21.06            | 0.128 |
| 20              | QPSK       | 50      | 50        | 21.10             | 0.129 | 20.94              | 0.124 | 21.02            | 0.126 |
| 20              | QPSK       | 100     | 0         | 20.87             | 0.122 | 20.94              | 0.124 | 21.10            | 0.129 |
| 20              | 16QAM      | 1       | 0         | 20.67             | 0.117 | 20.65              | 0.116 | 21.30            | 0.135 |
| 20              | 16QAM      | 1       | 49        | 20.92             | 0.124 | 21.24              | 0.133 | 21.18            | 0.131 |
| 20              | 16QAM      | 1       | 99        | 21.16             | 0.131 | 20.31              | 0.107 | 21.25            | 0.133 |
| 20              | 16QAM      | 50      | 0         | 20.41             | 0.110 | 20.51              | 0.112 | 20.63            | 0.116 |
| 20              | 16QAM      | 50      | 24        | 20.38             | 0.109 | 20.43              | 0.110 | 20.62            | 0.115 |
| 20              | 16QAM      | 50      | 50        | 20.47             | 0.111 | 20.34              | 0.108 | 20.73            | 0.118 |
| 20              | 16QAM      | 100     | 0         | 20.42             | 0.110 | 20.22              | 0.105 | 20.60            | 0.115 |
| 20              | 64QAM      | 1       | 0         | 20.49             | 0.112 | 20.33              | 0.108 | 21.17            | 0.131 |
| 20              | 64QAM      | 1       | 49        | 21.14             | 0.130 | 21.18              | 0.131 | 21.25            | 0.133 |
| 20              | 64QAM      | 1       | 99        | 20.78             | 0.120 | 20.56              | 0.114 | 21.38            | 0.137 |
| 20              | 64QAM      | 50      | 0         | 19.80             | 0.095 | 19.86              | 0.097 | 20.13            | 0.103 |
| 20              | 64QAM      | 50      | 24        | 19.83             | 0.096 | 19.87              | 0.097 | 20.17            | 0.104 |
| 20              | 64QAM      | 50      | 50        | 20.10             | 0.102 | 19.73              | 0.094 | 20.11            | 0.103 |
| 20              | 64QAM      | 100     | 0         | 19.91             | 0.098 | 19.76              | 0.095 | 20.05            | 0.101 |





| LTE Band 7      |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 20825             |       | 21100              |       | 21375            |       |
| Frequency (MHz) |            |         |           | 2507.5            |       | 2535               |       | 2562.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 15              | QPSK       | 1       | 0         | 21.50             | 0.141 | 21.58              | 0.144 | 21.75            | 0.150 |
| 15              | QPSK       | 1       | 37        | 22.01             | 0.159 | 22.13              | 0.163 | 22.22            | 0.167 |
| 15              | QPSK       | 1       | 74        | 21.72             | 0.149 | 21.85              | 0.153 | 21.92            | 0.156 |
| 15              | QPSK       | 36      | 0         | 21.01             | 0.126 | 21.07              | 0.128 | 21.14            | 0.130 |
| 15              | QPSK       | 36      | 20        | 21.11             | 0.129 | 21.15              | 0.130 | 21.23            | 0.133 |
| 15              | QPSK       | 36      | 39        | 21.21             | 0.132 | 21.10              | 0.129 | 21.08            | 0.128 |
| 15              | QPSK       | 75      | 0         | 21.03             | 0.127 | 21.06              | 0.128 | 20.93            | 0.124 |
| 15              | 16QAM      | 1       | 0         | 20.87             | 0.122 | 20.85              | 0.122 | 20.62            | 0.115 |
| 15              | 16QAM      | 1       | 37        | 21.12             | 0.129 | 20.64              | 0.116 | 20.72            | 0.118 |
| 15              | 16QAM      | 1       | 74        | 20.82             | 0.121 | 20.51              | 0.112 | 20.83            | 0.121 |
| 15              | 16QAM      | 36      | 0         | 20.61             | 0.115 | 20.71              | 0.118 | 20.83            | 0.121 |
| 15              | 16QAM      | 36      | 20        | 20.58             | 0.114 | 20.63              | 0.116 | 20.82            | 0.121 |
| 15              | 16QAM      | 36      | 39        | 20.67             | 0.117 | 20.54              | 0.113 | 20.93            | 0.124 |
| 15              | 16QAM      | 75      | 0         | 20.62             | 0.115 | 20.42              | 0.110 | 20.80            | 0.120 |
| 15              | 64QAM      | 1       | 0         | 20.69             | 0.117 | 20.53              | 0.113 | 20.54            | 0.113 |
| 15              | 64QAM      | 1       | 37        | 20.42             | 0.110 | 20.52              | 0.113 | 20.52            | 0.113 |
| 15              | 64QAM      | 1       | 74        | 20.98             | 0.125 | 20.76              | 0.119 | 20.44            | 0.111 |
| 15              | 64QAM      | 36      | 0         | 20.00             | 0.100 | 20.06              | 0.101 | 19.91            | 0.098 |
| 15              | 64QAM      | 36      | 20        | 20.03             | 0.101 | 20.07              | 0.102 | 19.94            | 0.099 |
| 15              | 64QAM      | 36      | 39        | 19.85             | 0.097 | 19.93              | 0.098 | 19.82            | 0.096 |
| 15              | 64QAM      | 75      | 0         | 20.11             | 0.103 | 19.96              | 0.099 | 20.25            | 0.106 |



| LTE Band 7      |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 20800             |       | 21100              |       | 21400            |       |
| Frequency (MHz) |            |         |           | 2505              |       | 2535               |       | 2565             |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 10              | QPSK       | 1       | 0         | 21.35             | 0.136 | 21.43              | 0.139 | 21.60            | 0.145 |
| 10              | QPSK       | 1       | 25        | 21.86             | 0.153 | 21.98              | 0.158 | 22.07            | 0.161 |
| 10              | QPSK       | 1       | 49        | 21.57             | 0.144 | 21.70              | 0.148 | 21.77            | 0.150 |
| 10              | QPSK       | 25      | 0         | 20.86             | 0.122 | 20.92              | 0.124 | 20.99            | 0.126 |
| 10              | QPSK       | 25      | 12        | 20.96             | 0.125 | 21.00              | 0.126 | 21.08            | 0.128 |
| 10              | QPSK       | 25      | 25        | 21.06             | 0.128 | 20.95              | 0.124 | 20.93            | 0.124 |
| 10              | QPSK       | 50      | 0         | 20.88             | 0.122 | 20.91              | 0.123 | 20.78            | 0.120 |
| 10              | 16QAM      | 1       | 0         | 20.57             | 0.114 | 20.60              | 0.115 | 20.47            | 0.111 |
| 10              | 16QAM      | 1       | 25        | 20.43             | 0.110 | 20.41              | 0.110 | 20.48            | 0.112 |
| 10              | 16QAM      | 1       | 49        | 20.68             | 0.117 | 20.41              | 0.110 | 20.45            | 0.111 |
| 10              | 16QAM      | 25      | 0         | 20.92             | 0.124 | 20.47              | 0.111 | 20.55            | 0.114 |
| 10              | 16QAM      | 25      | 12        | 20.52             | 0.113 | 20.36              | 0.109 | 20.48            | 0.112 |
| 10              | 16QAM      | 25      | 25        | 20.62             | 0.115 | 20.58              | 0.114 | 20.47            | 0.111 |
| 10              | 16QAM      | 50      | 0         | 20.52             | 0.113 | 20.48              | 0.112 | 20.58            | 0.114 |
| 10              | 64QAM      | 1       | 0         | 20.47             | 0.111 | 20.47              | 0.111 | 20.45            | 0.111 |
| 10              | 64QAM      | 1       | 25        | 20.34             | 0.108 | 20.52              | 0.113 | 20.57            | 0.114 |
| 10              | 64QAM      | 1       | 49        | 20.31             | 0.107 | 20.54              | 0.113 | 20.55            | 0.114 |
| 10              | 64QAM      | 25      | 0         | 20.54             | 0.113 | 20.32              | 0.108 | 20.38            | 0.109 |
| 10              | 64QAM      | 25      | 12        | 19.56             | 0.090 | 19.62              | 0.092 | 19.89            | 0.097 |
| 10              | 64QAM      | 25      | 25        | 19.59             | 0.091 | 19.63              | 0.092 | 19.55            | 0.090 |
| 10              | 64QAM      | 50      | 0         | 19.86             | 0.097 | 19.49              | 0.089 | 19.87            | 0.097 |



| LTE Band 7      |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 20775             |       | 21100              |       | 21425            |       |
| Frequency (MHz) |            |         |           | 2502.5            |       | 2535               |       | 2567.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 5               | QPSK       | 1       | 0         | 21.41             | 0.138 | 21.49              | 0.141 | 21.66            | 0.147 |
| 5               | QPSK       | 1       | 12        | 21.92             | 0.156 | 22.04              | 0.160 | 21.86            | 0.153 |
| 5               | QPSK       | 1       | 24        | 21.63             | 0.146 | 21.76              | 0.150 | 21.83            | 0.152 |
| 5               | QPSK       | 12      | 0         | 20.92             | 0.124 | 20.98              | 0.125 | 21.05            | 0.127 |
| 5               | QPSK       | 12      | 7         | 21.02             | 0.126 | 21.06              | 0.128 | 21.14            | 0.130 |
| 5               | QPSK       | 12      | 13        | 21.12             | 0.129 | 21.01              | 0.126 | 20.99            | 0.126 |
| 5               | QPSK       | 25      | 0         | 20.94             | 0.124 | 20.97              | 0.125 | 20.84            | 0.121 |
| 5               | 16QAM      | 1       | 0         | 20.80             | 0.120 | 20.78              | 0.120 | 20.85            | 0.122 |
| 5               | 16QAM      | 1       | 12        | 21.05             | 0.127 | 20.78              | 0.120 | 20.82            | 0.121 |
| 5               | 16QAM      | 1       | 24        | 21.29             | 0.135 | 20.44              | 0.111 | 20.92            | 0.124 |
| 5               | 16QAM      | 12      | 0         | 20.54             | 0.113 | 20.64              | 0.116 | 20.76            | 0.119 |
| 5               | 16QAM      | 12      | 7         | 20.51             | 0.112 | 20.56              | 0.114 | 20.75            | 0.119 |
| 5               | 16QAM      | 12      | 13        | 20.60             | 0.115 | 20.47              | 0.111 | 20.86            | 0.122 |
| 5               | 16QAM      | 25      | 0         | 20.55             | 0.114 | 20.35              | 0.108 | 20.73            | 0.118 |
| 5               | 64QAM      | 1       | 0         | 20.62             | 0.115 | 20.46              | 0.111 | 20.85            | 0.122 |
| 5               | 64QAM      | 1       | 12        | 20.68             | 0.117 | 20.41              | 0.110 | 20.92            | 0.124 |
| 5               | 64QAM      | 1       | 24        | 20.91             | 0.123 | 20.69              | 0.117 | 20.75            | 0.119 |
| 5               | 64QAM      | 12      | 0         | 19.93             | 0.098 | 19.99              | 0.100 | 20.26            | 0.106 |
| 5               | 64QAM      | 12      | 7         | 19.96             | 0.099 | 20.00              | 0.100 | 19.92            | 0.098 |
| 5               | 64QAM      | 12      | 13        | 20.23             | 0.105 | 19.86              | 0.097 | 20.24            | 0.106 |
| 5               | 64QAM      | 25      | 0         | 20.04             | 0.101 | 19.89              | 0.097 | 20.18            | 0.104 |



| LTE Band 12     |            |         |           | Measured E.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq. |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 23060           |       | 23095              |       | 23130            |       |
| Frequency (MHz) |            |         |           | 704             |       | 707.5              |       | 711              |       |
|                 |            |         |           | dBm             | W     | dBm                | W     | dBm              | W     |
| 10              | QPSK       | 1       | 0         | 19.66           | 0.092 | 19.63              | 0.092 | 20.00            | 0.100 |
| 10              | QPSK       | 1       | 25        | 19.77           | 0.095 | 19.92              | 0.098 | 19.86            | 0.097 |
| 10              | QPSK       | 1       | 49        | 19.74           | 0.094 | 19.92              | 0.098 | 19.79            | 0.095 |
| 10              | QPSK       | 25      | 0         | 18.73           | 0.075 | 18.60              | 0.072 | 18.73            | 0.075 |
| 10              | QPSK       | 25      | 12        | 18.71           | 0.074 | 18.78              | 0.076 | 18.97            | 0.079 |
| 10              | QPSK       | 25      | 25        | 18.95           | 0.079 | 18.86              | 0.077 | 18.93            | 0.078 |
| 10              | QPSK       | 50      | 0         | 18.82           | 0.076 | 18.76              | 0.075 | 18.78            | 0.076 |
| 10              | 16QAM      | 1       | 0         | 19.10           | 0.081 | 18.91              | 0.078 | 19.13            | 0.082 |
| 10              | 16QAM      | 1       | 25        | 19.13           | 0.082 | 19.28              | 0.085 | 19.14            | 0.082 |
| 10              | 16QAM      | 1       | 49        | 19.32           | 0.086 | 19.21              | 0.083 | 19.16            | 0.082 |
| 10              | 16QAM      | 25      | 0         | 17.84           | 0.061 | 17.72              | 0.059 | 17.80            | 0.060 |
| 10              | 16QAM      | 25      | 12        | 17.69           | 0.059 | 17.85              | 0.061 | 17.89            | 0.062 |
| 10              | 16QAM      | 25      | 25        | 17.93           | 0.062 | 17.88              | 0.061 | 17.75            | 0.060 |
| 10              | 16QAM      | 50      | 0         | 17.97           | 0.063 | 17.78              | 0.060 | 17.73            | 0.059 |
| 10              | 64QAM      | 1       | 0         | 18.21           | 0.066 | 18.17              | 0.066 | 17.99            | 0.063 |
| 10              | 64QAM      | 1       | 25        | 17.97           | 0.063 | 18.10              | 0.065 | 18.08            | 0.064 |
| 10              | 64QAM      | 1       | 49        | 18.10           | 0.065 | 18.09              | 0.064 | 18.17            | 0.066 |
| 10              | 64QAM      | 25      | 0         | 17.76           | 0.060 | 17.69              | 0.059 | 17.78            | 0.060 |
| 10              | 64QAM      | 25      | 12        | 17.70           | 0.059 | 17.84              | 0.061 | 17.97            | 0.063 |
| 10              | 64QAM      | 25      | 25        | 18.00           | 0.063 | 17.89              | 0.062 | 17.87            | 0.061 |
| 10              | 64QAM      | 50      | 0         | 17.88           | 0.061 | 17.79              | 0.060 | 17.77            | 0.060 |



| LTE Band 12     |            |         |           | Measured E.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq. |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 23035           |       | 23095              |       | 23155            |       |
| Frequency (MHz) |            |         |           | 701.5           |       | 707.5              |       | 713.5            |       |
|                 |            |         |           | dBm             | W     | dBm                | W     | dBm              | W     |
| 5               | QPSK       | 1       | 0         | 19.77           | 0.095 | 19.70              | 0.093 | 19.72            | 0.094 |
| 5               | QPSK       | 1       | 12        | 19.59           | 0.091 | 19.91              | 0.098 | 19.88            | 0.097 |
| 5               | QPSK       | 1       | 24        | 19.60           | 0.091 | 19.77              | 0.095 | 19.80            | 0.095 |
| 5               | QPSK       | 12      | 0         | 18.60           | 0.072 | 18.65              | 0.073 | 18.89            | 0.077 |
| 5               | QPSK       | 12      | 7         | 18.59           | 0.072 | 18.80              | 0.076 | 18.92            | 0.078 |
| 5               | QPSK       | 12      | 13        | 18.78           | 0.076 | 18.88              | 0.077 | 19.04            | 0.080 |
| 5               | QPSK       | 25      | 0         | 18.89           | 0.077 | 18.70              | 0.074 | 18.99            | 0.079 |
| 5               | 16QAM      | 1       | 0         | 19.00           | 0.079 | 19.07              | 0.081 | 19.09            | 0.081 |
| 5               | 16QAM      | 1       | 12        | 19.06           | 0.081 | 19.30              | 0.085 | 19.07            | 0.081 |
| 5               | 16QAM      | 1       | 24        | 19.02           | 0.080 | 19.08              | 0.081 | 19.31            | 0.085 |
| 5               | 16QAM      | 12      | 0         | 17.61           | 0.058 | 17.63              | 0.058 | 17.95            | 0.062 |
| 5               | 16QAM      | 12      | 7         | 17.58           | 0.057 | 17.87              | 0.061 | 18.04            | 0.064 |
| 5               | 16QAM      | 12      | 13        | 17.66           | 0.058 | 17.74              | 0.059 | 18.04            | 0.064 |
| 5               | 16QAM      | 25      | 0         | 17.64           | 0.058 | 17.77              | 0.060 | 18.03            | 0.064 |
| 5               | 64QAM      | 1       | 0         | 18.10           | 0.065 | 18.04              | 0.064 | 18.10            | 0.065 |
| 5               | 64QAM      | 1       | 12        | 18.17           | 0.066 | 18.10              | 0.065 | 17.97            | 0.063 |
| 5               | 64QAM      | 1       | 24        | 18.10           | 0.065 | 18.11              | 0.065 | 18.21            | 0.066 |
| 5               | 64QAM      | 12      | 0         | 18.10           | 0.065 | 18.16              | 0.065 | 17.93            | 0.062 |
| 5               | 64QAM      | 12      | 7         | 17.89           | 0.062 | 17.88              | 0.061 | 17.99            | 0.063 |
| 5               | 64QAM      | 12      | 13        | 17.97           | 0.063 | 17.82              | 0.061 | 17.83            | 0.061 |
| 5               | 64QAM      | 25      | 0         | 17.97           | 0.063 | 17.77              | 0.060 | 17.97            | 0.063 |



| LTE Band 12     |            |         |           | Measured E.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq. |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 23025           |       | 23095              |       | 23165            |       |
| Frequency (MHz) |            |         |           | 700.5           |       | 707.5              |       | 714.5            |       |
|                 |            |         |           | dBm             | W     | dBm                | W     | dBm              | W     |
| 3               | QPSK       | 1       | 0         | 19.48           | 0.089 | 19.76              | 0.095 | 19.89            | 0.097 |
| 3               | QPSK       | 1       | 8         | 19.50           | 0.089 | 19.79              | 0.095 | 19.89            | 0.097 |
| 3               | QPSK       | 1       | 14        | 19.62           | 0.092 | 19.77              | 0.095 | 19.93            | 0.098 |
| 3               | QPSK       | 8       | 0         | 18.90           | 0.078 | 18.77              | 0.075 | 19.03            | 0.080 |
| 3               | QPSK       | 8       | 4         | 19.08           | 0.081 | 18.88              | 0.077 | 19.10            | 0.081 |
| 3               | QPSK       | 8       | 7         | 19.09           | 0.081 | 18.82              | 0.076 | 19.01            | 0.080 |
| 3               | QPSK       | 15      | 0         | 19.12           | 0.082 | 18.69              | 0.074 | 19.04            | 0.080 |
| 3               | 16QAM      | 1       | 0         | 18.97           | 0.079 | 19.28              | 0.085 | 19.11            | 0.081 |
| 3               | 16QAM      | 1       | 8         | 19.07           | 0.081 | 19.23              | 0.084 | 19.09            | 0.081 |
| 3               | 16QAM      | 1       | 14        | 19.00           | 0.079 | 19.26              | 0.084 | 19.11            | 0.081 |
| 3               | 16QAM      | 8       | 0         | 18.10           | 0.065 | 17.79              | 0.060 | 17.97            | 0.063 |
| 3               | 16QAM      | 8       | 4         | 17.69           | 0.059 | 17.84              | 0.061 | 17.95            | 0.062 |
| 3               | 16QAM      | 8       | 7         | 17.87           | 0.061 | 17.98              | 0.063 | 18.13            | 0.065 |
| 3               | 16QAM      | 15      | 0         | 17.71           | 0.059 | 17.81              | 0.060 | 18.10            | 0.065 |
| 3               | 64QAM      | 1       | 0         | 18.33           | 0.068 | 18.14              | 0.065 | 18.10            | 0.065 |
| 3               | 64QAM      | 1       | 8         | 18.08           | 0.064 | 18.21              | 0.066 | 18.17            | 0.066 |
| 3               | 64QAM      | 1       | 14        | 17.92           | 0.062 | 18.08              | 0.064 | 17.97            | 0.063 |
| 3               | 64QAM      | 8       | 0         | 17.97           | 0.063 | 17.73              | 0.059 | 17.94            | 0.062 |
| 3               | 64QAM      | 8       | 4         | 17.80           | 0.060 | 17.90              | 0.062 | 18.23            | 0.067 |
| 3               | 64QAM      | 8       | 7         | 18.09           | 0.064 | 17.83              | 0.061 | 18.00            | 0.063 |
| 3               | 64QAM      | 15      | 0         | 18.21           | 0.066 | 17.97              | 0.063 | 17.99            | 0.063 |



| LTE Band 12     |            |         |           | Measured E.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq. |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 23017           |       | 23095              |       | 23173            |       |
| Frequency (MHz) |            |         |           | 699.7           |       | 707.5              |       | 715.3            |       |
|                 |            |         |           | dBm             | W     | dBm                | W     | dBm              | W     |
| 1.4             | QPSK       | 1       | 0         | 19.52           | 0.090 | 19.67              | 0.093 | 19.96            | 0.099 |
| 1.4             | QPSK       | 1       | 3         | 19.46           | 0.088 | 19.73              | 0.094 | 19.79            | 0.095 |
| 1.4             | QPSK       | 1       | 5         | 19.50           | 0.089 | 19.77              | 0.095 | 19.87            | 0.097 |
| 1.4             | QPSK       | 3       | 0         | 19.61           | 0.091 | 19.81              | 0.096 | 19.79            | 0.095 |
| 1.4             | QPSK       | 3       | 1         | 19.53           | 0.090 | 19.84              | 0.096 | 19.66            | 0.092 |
| 1.4             | QPSK       | 3       | 3         | 19.68           | 0.093 | 19.85              | 0.097 | 19.77            | 0.095 |
| 1.4             | QPSK       | 6       | 0         | 19.10           | 0.081 | 18.89              | 0.077 | 19.06            | 0.081 |
| 1.4             | 16QAM      | 1       | 0         | 19.00           | 0.079 | 19.18              | 0.083 | 19.12            | 0.082 |
| 1.4             | 16QAM      | 1       | 3         | 18.91           | 0.078 | 18.98              | 0.079 | 18.98            | 0.079 |
| 1.4             | 16QAM      | 1       | 5         | 18.97           | 0.079 | 18.89              | 0.077 | 19.08            | 0.081 |
| 1.4             | 16QAM      | 3       | 0         | 19.07           | 0.081 | 18.80              | 0.076 | 18.81            | 0.076 |
| 1.4             | 16QAM      | 3       | 1         | 19.01           | 0.080 | 18.92              | 0.078 | 18.96            | 0.079 |
| 1.4             | 16QAM      | 3       | 3         | 18.95           | 0.079 | 18.76              | 0.075 | 19.03            | 0.080 |
| 1.4             | 16QAM      | 6       | 0         | 17.91           | 0.062 | 17.93              | 0.062 | 18.24            | 0.067 |
| 1.4             | 64QAM      | 1       | 0         | 17.97           | 0.063 | 18.07              | 0.064 | 18.06            | 0.064 |
| 1.4             | 64QAM      | 1       | 3         | 18.03           | 0.064 | 18.25              | 0.067 | 18.23            | 0.067 |
| 1.4             | 64QAM      | 1       | 5         | 17.81           | 0.060 | 18.08              | 0.064 | 18.18            | 0.066 |
| 1.4             | 64QAM      | 3       | 0         | 17.99           | 0.063 | 17.88              | 0.061 | 18.25            | 0.067 |
| 1.4             | 64QAM      | 3       | 1         | 18.07           | 0.064 | 17.86              | 0.061 | 18.25            | 0.067 |
| 1.4             | 64QAM      | 3       | 3         | 18.10           | 0.065 | 17.89              | 0.062 | 18.29            | 0.067 |
| 1.4             | 64QAM      | 6       | 0         | 17.87           | 0.061 | 17.75              | 0.060 | 17.79            | 0.060 |



| LTE Band 17     |            |         |           | Measured E.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq. |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 23780           |       | 23790              |       | 23800            |       |
| Frequency (MHz) |            |         |           | 709             |       | 710                |       | 711              |       |
|                 |            |         |           | dBm             | W     | dBm                | W     | dBm              | W     |
| 10              | QPSK       | 1       | 0         | 19.79           | 0.095 | 19.54              | 0.090 | 19.38            | 0.087 |
| 10              | QPSK       | 1       | 25        | 19.42           | 0.087 | 19.59              | 0.091 | 19.31            | 0.085 |
| 10              | QPSK       | 1       | 49        | 19.58           | 0.091 | 19.64              | 0.092 | 19.68            | 0.093 |
| 10              | QPSK       | 25      | 0         | 18.92           | 0.078 | 18.62              | 0.073 | 18.58            | 0.072 |
| 10              | QPSK       | 25      | 12        | 18.75           | 0.075 | 18.68              | 0.074 | 18.83            | 0.076 |
| 10              | QPSK       | 25      | 25        | 18.66           | 0.073 | 18.77              | 0.075 | 18.69            | 0.074 |
| 10              | QPSK       | 50      | 0         | 18.69           | 0.074 | 18.67              | 0.074 | 18.86            | 0.077 |
| 10              | 16QAM      | 1       | 0         | 18.86           | 0.077 | 19.06              | 0.081 | 18.90            | 0.078 |
| 10              | 16QAM      | 1       | 25        | 18.90           | 0.078 | 18.79              | 0.076 | 18.80            | 0.076 |
| 10              | 16QAM      | 1       | 49        | 19.03           | 0.080 | 19.10              | 0.081 | 18.80            | 0.076 |
| 10              | 16QAM      | 25      | 0         | 17.68           | 0.059 | 17.70              | 0.059 | 17.94            | 0.062 |
| 10              | 16QAM      | 25      | 12        | 17.69           | 0.059 | 17.61              | 0.058 | 17.97            | 0.063 |
| 10              | 16QAM      | 25      | 25        | 17.57           | 0.057 | 17.63              | 0.058 | 17.90            | 0.062 |
| 10              | 16QAM      | 50      | 0         | 17.86           | 0.061 | 17.90              | 0.062 | 17.88            | 0.061 |
| 10              | 64QAM      | 1       | 0         | 17.87           | 0.061 | 17.61              | 0.058 | 17.97            | 0.063 |
| 10              | 64QAM      | 1       | 25        | 17.70           | 0.059 | 17.90              | 0.062 | 17.90            | 0.062 |
| 10              | 64QAM      | 1       | 49        | 17.64           | 0.058 | 17.97              | 0.063 | 18.03            | 0.064 |
| 10              | 64QAM      | 25      | 0         | 17.32           | 0.054 | 17.14              | 0.052 | 16.94            | 0.049 |
| 10              | 64QAM      | 25      | 12        | 17.23           | 0.053 | 16.90              | 0.049 | 16.91            | 0.049 |
| 10              | 64QAM      | 25      | 25        | 17.19           | 0.052 | 16.97              | 0.050 | 16.91            | 0.049 |
| 10              | 64QAM      | 50      | 0         | 16.93           | 0.049 | 16.89              | 0.049 | 16.90            | 0.049 |





| LTE Band 17     |            |         |           | Measured E.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq. |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 23755           |       | 23790              |       | 23825            |       |
| Frequency (MHz) |            |         |           | 706.5           |       | 710                |       | 713.5            |       |
|                 |            |         |           | dBm             | W     | dBm                | W     | dBm              | W     |
| 5               | QPSK       | 1       | 0         | 19.56           | 0.090 | 19.57              | 0.091 | 19.46            | 0.088 |
| 5               | QPSK       | 1       | 12        | 19.59           | 0.091 | 19.46              | 0.088 | 19.76            | 0.095 |
| 5               | QPSK       | 1       | 24        | 19.50           | 0.089 | 19.41              | 0.087 | 19.70            | 0.093 |
| 5               | QPSK       | 12      | 0         | 18.56           | 0.072 | 18.69              | 0.074 | 18.56            | 0.072 |
| 5               | QPSK       | 12      | 7         | 18.56           | 0.072 | 18.57              | 0.072 | 18.63            | 0.073 |
| 5               | QPSK       | 12      | 13        | 18.40           | 0.069 | 18.77              | 0.075 | 18.77            | 0.075 |
| 5               | QPSK       | 25      | 0         | 18.57           | 0.072 | 18.57              | 0.072 | 18.64            | 0.073 |
| 5               | 16QAM      | 1       | 0         | 18.75           | 0.075 | 18.86              | 0.077 | 18.89            | 0.077 |
| 5               | 16QAM      | 1       | 12        | 19.13           | 0.082 | 18.91              | 0.078 | 19.20            | 0.083 |
| 5               | 16QAM      | 1       | 24        | 18.86           | 0.077 | 18.96              | 0.079 | 18.87            | 0.077 |
| 5               | 16QAM      | 12      | 0         | 17.46           | 0.056 | 17.63              | 0.058 | 17.47            | 0.056 |
| 5               | 16QAM      | 12      | 7         | 17.54           | 0.057 | 17.90              | 0.062 | 17.56            | 0.057 |
| 5               | 16QAM      | 12      | 13        | 17.49           | 0.056 | 17.61              | 0.058 | 17.76            | 0.060 |
| 5               | 16QAM      | 25      | 0         | 17.57           | 0.057 | 18.00              | 0.063 | 17.64            | 0.058 |
| 5               | 64QAM      | 1       | 0         | 17.91           | 0.062 | 18.01              | 0.063 | 18.33            | 0.068 |
| 5               | 64QAM      | 1       | 12        | 17.90           | 0.062 | 18.01              | 0.063 | 17.97            | 0.063 |
| 5               | 64QAM      | 1       | 24        | 18.07           | 0.064 | 17.89              | 0.062 | 17.91            | 0.062 |
| 5               | 64QAM      | 12      | 0         | 16.79           | 0.048 | 17.03              | 0.050 | 16.86            | 0.049 |
| 5               | 64QAM      | 12      | 7         | 16.90           | 0.049 | 17.18              | 0.052 | 16.91            | 0.049 |
| 5               | 64QAM      | 12      | 13        | 17.01           | 0.050 | 17.22              | 0.053 | 16.89            | 0.049 |
| 5               | 64QAM      | 25      | 0         | 16.89           | 0.049 | 17.20              | 0.052 | 16.97            | 0.050 |



| LTE Band 38     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 37850             |       | 38000              |       | 38150            |       |
| Frequency (MHz) |            |         |           | 2580              |       | 2595               |       | 2610             |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 20              | QPSK       | 1       | 0         | 24.92             | 0.310 | 25.16              | 0.328 | 25.03            | 0.318 |
| 20              | QPSK       | 1       | 49        | 24.86             | 0.306 | 25.09              | 0.323 | 24.63            | 0.290 |
| 20              | QPSK       | 1       | 99        | 24.62             | 0.290 | 24.68              | 0.294 | 24.74            | 0.298 |
| 20              | QPSK       | 50      | 0         | 23.88             | 0.244 | 24.31              | 0.270 | 24.02            | 0.252 |
| 20              | QPSK       | 50      | 24        | 24.00             | 0.251 | 24.20              | 0.263 | 24.15            | 0.260 |
| 20              | QPSK       | 50      | 50        | 24.02             | 0.252 | 24.14              | 0.259 | 24.31            | 0.270 |
| 20              | QPSK       | 100     | 0         | 24.07             | 0.255 | 24.14              | 0.259 | 23.71            | 0.235 |
| 20              | 16QAM      | 1       | 0         | 23.94             | 0.248 | 23.89              | 0.245 | 23.87            | 0.244 |
| 20              | 16QAM      | 1       | 49        | 24.04             | 0.254 | 24.34              | 0.272 | 23.83            | 0.242 |
| 20              | 16QAM      | 1       | 99        | 23.90             | 0.245 | 23.89              | 0.245 | 23.91            | 0.246 |
| 20              | 16QAM      | 50      | 0         | 22.87             | 0.194 | 23.08              | 0.203 | 22.80            | 0.191 |
| 20              | 16QAM      | 50      | 24        | 22.97             | 0.198 | 23.19              | 0.208 | 23.36            | 0.217 |
| 20              | 16QAM      | 50      | 50        | 23.02             | 0.200 | 23.22              | 0.210 | 23.35            | 0.216 |
| 20              | 16QAM      | 100     | 0         | 23.01             | 0.200 | 23.16              | 0.207 | 23.42            | 0.220 |
| 20              | 64QAM      | 1       | 0         | 23.48             | 0.223 | 23.79              | 0.239 | 23.34            | 0.216 |
| 20              | 64QAM      | 1       | 49        | 23.32             | 0.215 | 23.22              | 0.210 | 23.77            | 0.238 |
| 20              | 64QAM      | 1       | 99        | 23.42             | 0.220 | 23.56              | 0.227 | 23.11            | 0.205 |
| 20              | 64QAM      | 50      | 0         | 23.14             | 0.206 | 22.99              | 0.199 | 23.45            | 0.221 |
| 20              | 64QAM      | 50      | 24        | 23.42             | 0.220 | 23.06              | 0.202 | 23.25            | 0.211 |
| 20              | 64QAM      | 50      | 50        | 23.03             | 0.201 | 23.09              | 0.204 | 23.31            | 0.214 |
| 20              | 64QAM      | 100     | 0         | 23.05             | 0.202 | 23.16              | 0.207 | 23.42            | 0.220 |



| LTE Band 38     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 37825             |       | 38000              |       | 38175            |       |
| Frequency (MHz) |            |         |           | 2577.5            |       | 2595               |       | 2612.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 15              | QPSK       | 1       | 0         | 24.63             | 0.290 | 24.91              | 0.310 | 24.60            | 0.288 |
| 15              | QPSK       | 1       | 37        | 24.89             | 0.308 | 24.89              | 0.308 | 24.56            | 0.286 |
| 15              | QPSK       | 1       | 74        | 24.90             | 0.309 | 24.72              | 0.296 | 24.86            | 0.306 |
| 15              | QPSK       | 36      | 0         | 23.89             | 0.245 | 24.11              | 0.258 | 23.76            | 0.238 |
| 15              | QPSK       | 36      | 20        | 23.90             | 0.245 | 24.17              | 0.261 | 23.71            | 0.235 |
| 15              | QPSK       | 36      | 39        | 23.92             | 0.247 | 24.16              | 0.261 | 23.81            | 0.240 |
| 15              | QPSK       | 75      | 0         | 23.95             | 0.248 | 24.08              | 0.256 | 23.60            | 0.229 |
| 15              | 16QAM      | 1       | 0         | 23.77             | 0.238 | 24.02              | 0.252 | 23.82            | 0.241 |
| 15              | 16QAM      | 1       | 37        | 24.01             | 0.252 | 24.27              | 0.267 | 23.77            | 0.238 |
| 15              | 16QAM      | 1       | 74        | 24.03             | 0.253 | 23.84              | 0.242 | 23.87            | 0.244 |
| 15              | 16QAM      | 36      | 0         | 22.83             | 0.192 | 23.05              | 0.202 | 23.06            | 0.202 |
| 15              | 16QAM      | 36      | 20        | 22.85             | 0.193 | 23.13              | 0.206 | 23.07            | 0.203 |
| 15              | 16QAM      | 36      | 39        | 22.88             | 0.194 | 23.01              | 0.200 | 23.02            | 0.200 |
| 15              | 16QAM      | 75      | 0         | 22.92             | 0.196 | 23.08              | 0.203 | 22.96            | 0.198 |
| 15              | 64QAM      | 1       | 0         | 23.17             | 0.207 | 23.15              | 0.207 | 23.25            | 0.211 |
| 15              | 64QAM      | 1       | 37        | 23.04             | 0.201 | 23.14              | 0.206 | 23.42            | 0.220 |
| 15              | 64QAM      | 1       | 74        | 23.32             | 0.215 | 23.02              | 0.200 | 23.30            | 0.214 |
| 15              | 64QAM      | 36      | 0         | 22.90             | 0.195 | 23.08              | 0.203 | 23.34            | 0.216 |
| 15              | 64QAM      | 36      | 20        | 22.96             | 0.198 | 23.15              | 0.207 | 23.14            | 0.206 |
| 15              | 64QAM      | 36      | 39        | 22.91             | 0.195 | 23.06              | 0.202 | 23.42            | 0.220 |
| 15              | 64QAM      | 75      | 0         | 22.91             | 0.195 | 23.13              | 0.206 | 23.35            | 0.216 |



| LTE Band 38     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 37800             |       | 38000              |       | 38200            |       |
| Frequency (MHz) |            |         |           | 2575              |       | 2595               |       | 2615             |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 10              | QPSK       | 1       | 0         | 24.91             | 0.310 | 25.00              | 0.316 | 25.04            | 0.319 |
| 10              | QPSK       | 1       | 25        | 24.96             | 0.313 | 25.12              | 0.325 | 24.91            | 0.310 |
| 10              | QPSK       | 1       | 49        | 24.74             | 0.298 | 24.87              | 0.307 | 24.89            | 0.308 |
| 10              | QPSK       | 25      | 0         | 23.87             | 0.244 | 24.17              | 0.261 | 24.04            | 0.254 |
| 10              | QPSK       | 25      | 12        | 23.91             | 0.246 | 24.18              | 0.262 | 23.91            | 0.246 |
| 10              | QPSK       | 25      | 25        | 23.92             | 0.247 | 24.22              | 0.264 | 24.06            | 0.255 |
| 10              | QPSK       | 50      | 0         | 23.91             | 0.246 | 24.22              | 0.264 | 23.91            | 0.246 |
| 10              | 16QAM      | 1       | 0         | 23.84             | 0.242 | 24.21              | 0.264 | 24.35            | 0.272 |
| 10              | 16QAM      | 1       | 25        | 24.01             | 0.252 | 24.36              | 0.273 | 23.87            | 0.244 |
| 10              | 16QAM      | 1       | 49        | 23.90             | 0.245 | 24.17              | 0.261 | 23.91            | 0.246 |
| 10              | 16QAM      | 25      | 0         | 22.90             | 0.195 | 23.20              | 0.209 | 23.07            | 0.203 |
| 10              | 16QAM      | 25      | 12        | 22.97             | 0.198 | 23.29              | 0.213 | 23.18            | 0.208 |
| 10              | 16QAM      | 25      | 25        | 23.19             | 0.208 | 23.30              | 0.214 | 23.42            | 0.220 |
| 10              | 16QAM      | 50      | 0         | 22.96             | 0.198 | 23.23              | 0.210 | 23.32            | 0.215 |
| 10              | 64QAM      | 1       | 0         | 23.46             | 0.222 | 23.33              | 0.215 | 23.35            | 0.216 |
| 10              | 64QAM      | 1       | 25        | 23.04             | 0.201 | 23.31              | 0.214 | 23.68            | 0.233 |
| 10              | 64QAM      | 1       | 49        | 23.39             | 0.218 | 23.10              | 0.204 | 23.46            | 0.222 |
| 10              | 64QAM      | 25      | 0         | 23.42             | 0.220 | 23.10              | 0.204 | 23.28            | 0.213 |
| 10              | 64QAM      | 25      | 12        | 23.14             | 0.206 | 23.18              | 0.208 | 23.18            | 0.208 |
| 10              | 64QAM      | 25      | 25        | 23.37             | 0.217 | 23.18              | 0.208 | 23.32            | 0.215 |
| 10              | 64QAM      | 50      | 0         | 23.01             | 0.200 | 23.15              | 0.207 | 23.27            | 0.212 |



| LTE Band 38     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 37775             |       | 38000              |       | 38225            |       |
| Frequency (MHz) |            |         |           | 2572.5            |       | 2595               |       | 2617.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 5               | QPSK       | 1       | 0         | 24.83             | 0.304 | 24.84              | 0.305 | 24.82            | 0.303 |
| 5               | QPSK       | 1       | 12        | 24.70             | 0.295 | 25.08              | 0.322 | 24.76            | 0.299 |
| 5               | QPSK       | 1       | 24        | 24.56             | 0.286 | 24.86              | 0.306 | 24.81            | 0.303 |
| 5               | QPSK       | 12      | 0         | 23.89             | 0.245 | 24.14              | 0.259 | 24.15            | 0.260 |
| 5               | QPSK       | 12      | 7         | 23.83             | 0.242 | 24.11              | 0.258 | 24.14            | 0.259 |
| 5               | QPSK       | 12      | 13        | 23.85             | 0.243 | 24.13              | 0.259 | 24.07            | 0.255 |
| 5               | QPSK       | 25      | 0         | 23.74             | 0.237 | 24.14              | 0.259 | 24.14            | 0.259 |
| 5               | 16QAM      | 1       | 0         | 23.69             | 0.234 | 24.11              | 0.258 | 23.94            | 0.248 |
| 5               | 16QAM      | 1       | 12        | 23.81             | 0.240 | 24.29              | 0.269 | 23.91            | 0.246 |
| 5               | 16QAM      | 1       | 24        | 23.83             | 0.242 | 24.04              | 0.254 | 23.92            | 0.247 |
| 5               | 16QAM      | 12      | 0         | 23.04             | 0.201 | 23.16              | 0.207 | 23.22            | 0.210 |
| 5               | 16QAM      | 12      | 7         | 23.11             | 0.205 | 23.18              | 0.208 | 23.01            | 0.200 |
| 5               | 16QAM      | 12      | 13        | 23.05             | 0.202 | 23.18              | 0.208 | 23.44            | 0.221 |
| 5               | 16QAM      | 25      | 0         | 22.87             | 0.194 | 23.15              | 0.207 | 23.55            | 0.226 |
| 5               | 64QAM      | 1       | 0         | 23.66             | 0.232 | 23.15              | 0.207 | 23.49            | 0.223 |
| 5               | 64QAM      | 1       | 12        | 23.34             | 0.216 | 23.32              | 0.215 | 23.57            | 0.228 |
| 5               | 64QAM      | 1       | 24        | 23.39             | 0.218 | 23.34              | 0.216 | 23.26            | 0.212 |
| 5               | 64QAM      | 12      | 0         | 22.92             | 0.196 | 23.07              | 0.203 | 23.22            | 0.210 |
| 5               | 64QAM      | 12      | 7         | 23.14             | 0.206 | 23.13              | 0.206 | 23.34            | 0.216 |
| 5               | 64QAM      | 12      | 13        | 23.15             | 0.207 | 23.15              | 0.207 | 23.37            | 0.217 |
| 5               | 64QAM      | 25      | 0         | 23.05             | 0.202 | 23.09              | 0.204 | 23.16            | 0.207 |



| LTE Band 40, Block A |            |         |           | Measured E.I.R.P. |   |                    |       |                  |   |
|----------------------|------------|---------|-----------|-------------------|---|--------------------|-------|------------------|---|
| BW [MHz]             | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |   | Middle Ch. / Freq. |       | High Ch. / Freq. |   |
| Channel              |            |         |           | /                 |   | 38750              |       | /                |   |
| Frequency (MHz)      |            |         |           | /                 |   | 2310               |       | /                |   |
|                      |            |         |           | dBm               | W | dBm                | W     | dBm              | W |
| 10                   | QPSK       | 1       | 0         | /                 | / | 22.68              | 0.185 | /                | / |
| 10                   | QPSK       | 1       | 25        | /                 | / | 22.65              | 0.184 | /                | / |
| 10                   | QPSK       | 1       | 49        | /                 | / | 22.48              | 0.177 | /                | / |
| 10                   | QPSK       | 25      | 0         | /                 | / | 21.75              | 0.150 | /                | / |
| 10                   | QPSK       | 25      | 12        | /                 | / | 21.74              | 0.149 | /                | / |
| 10                   | QPSK       | 25      | 25        | /                 | / | 21.72              | 0.149 | /                | / |
| 10                   | QPSK       | 50      | 0         | /                 | / | 21.65              | 0.146 | /                | / |
| 10                   | 16QAM      | 1       | 0         | /                 | / | 21.56              | 0.143 | /                | / |
| 10                   | 16QAM      | 1       | 25        | /                 | / | 21.46              | 0.140 | /                | / |
| 10                   | 16QAM      | 1       | 49        | /                 | / | 21.52              | 0.142 | /                | / |
| 10                   | 16QAM      | 25      | 0         | /                 | / | 20.81              | 0.121 | /                | / |
| 10                   | 16QAM      | 25      | 12        | /                 | / | 20.73              | 0.118 | /                | / |
| 10                   | 16QAM      | 25      | 25        | /                 | / | 20.74              | 0.119 | /                | / |
| 10                   | 16QAM      | 50      | 0         | /                 | / | 20.78              | 0.120 | /                | / |
| 10                   | 64QAM      | 1       | 0         | /                 | / | 20.78              | 0.120 | /                | / |
| 10                   | 64QAM      | 1       | 25        | /                 | / | 20.77              | 0.119 | /                | / |
| 10                   | 64QAM      | 1       | 49        | /                 | / | 20.78              | 0.120 | /                | / |
| 10                   | 64QAM      | 25      | 0         | /                 | / | 20.66              | 0.116 | /                | / |
| 10                   | 64QAM      | 25      | 12        | /                 | / | 20.68              | 0.117 | /                | / |
| 10                   | 64QAM      | 25      | 25        | /                 | / | 20.67              | 0.117 | /                | / |
| 10                   | 64QAM      | 50      | 0         | /                 | / | 20.71              | 0.118 | /                | / |



| LTE Band 40, Block A |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|----------------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel              |            |         |           | 38725             |       | 38750              |       | 38775            |       |
| Frequency (MHz)      |            |         |           | 2307.5            |       | 2310               |       | 2312.5           |       |
|                      |            |         |           | dBm               |       | dBm                |       | dBm              |       |
|                      |            |         |           | W                 |       | W                  |       | W                |       |
| 5                    | QPSK       | 1       | 0         | 22.49             | 0.177 | 22.53              | 0.179 | 22.50            | 0.178 |
| 5                    | QPSK       | 1       | 12        | 22.46             | 0.176 | 22.61              | 0.182 | 22.60            | 0.182 |
| 5                    | QPSK       | 1       | 24        | 22.37             | 0.173 | 22.37              | 0.173 | 22.37            | 0.173 |
| 5                    | QPSK       | 12      | 0         | 21.76             | 0.150 | 21.74              | 0.149 | 21.70            | 0.148 |
| 5                    | QPSK       | 12      | 7         | 21.75             | 0.150 | 21.72              | 0.149 | 21.74            | 0.149 |
| 5                    | QPSK       | 12      | 13        | 21.70             | 0.148 | 21.73              | 0.149 | 21.63            | 0.146 |
| 5                    | QPSK       | 25      | 0         | 21.65             | 0.146 | 21.67              | 0.147 | 21.56            | 0.143 |
| 5                    | 16QAM      | 1       | 0         | 21.70             | 0.148 | 21.67              | 0.147 | 21.71            | 0.148 |
| 5                    | 16QAM      | 1       | 12        | 21.80             | 0.151 | 21.81              | 0.152 | 21.80            | 0.151 |
| 5                    | 16QAM      | 1       | 24        | 21.59             | 0.144 | 21.65              | 0.146 | 21.64            | 0.146 |
| 5                    | 16QAM      | 12      | 0         | 21.67             | 0.147 | 21.45              | 0.140 | 21.52            | 0.142 |
| 5                    | 16QAM      | 12      | 7         | 21.45             | 0.140 | 21.52              | 0.142 | 21.45            | 0.140 |
| 5                    | 16QAM      | 12      | 13        | 21.52             | 0.142 | 21.45              | 0.140 | 21.44            | 0.139 |
| 5                    | 16QAM      | 25      | 0         | 21.45             | 0.140 | 21.54              | 0.143 | 21.46            | 0.140 |
| 5                    | 64QAM      | 1       | 0         | 21.64             | 0.146 | 21.70              | 0.148 | 21.59            | 0.144 |
| 5                    | 64QAM      | 1       | 12        | 21.76             | 0.150 | 21.70              | 0.148 | 21.74            | 0.149 |
| 5                    | 64QAM      | 1       | 24        | 21.56             | 0.143 | 21.60              | 0.145 | 21.51            | 0.142 |
| 5                    | 64QAM      | 12      | 0         | 20.71             | 0.118 | 20.61              | 0.115 | 20.62            | 0.115 |
| 5                    | 64QAM      | 12      | 7         | 20.61             | 0.115 | 20.61              | 0.115 | 20.66            | 0.116 |
| 5                    | 64QAM      | 12      | 13        | 20.65             | 0.116 | 20.65              | 0.116 | 20.62            | 0.115 |
| 5                    | 64QAM      | 25      | 0         | 20.64             | 0.116 | 20.61              | 0.115 | 20.61            | 0.115 |



| LTE Band 40, Block B |            |         |           | Measured E.I.R.P. |   |                    |       |                  |   |
|----------------------|------------|---------|-----------|-------------------|---|--------------------|-------|------------------|---|
| BW [MHz]             | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |   | Middle Ch. / Freq. |       | High Ch. / Freq. |   |
| Channel              |            |         |           | /                 |   | 39200              |       | /                |   |
| Frequency (MHz)      |            |         |           | /                 |   | 2355               |       | /                |   |
|                      |            |         |           | dBm               | W | dBm                | W     | dBm              | W |
| 10                   | QPSK       | 1       | 0         | /                 | / | 23.18              | 0.208 | /                | / |
| 10                   | QPSK       | 1       | 25        | /                 | / | 23.15              | 0.207 | /                | / |
| 10                   | QPSK       | 1       | 49        | /                 | / | 22.98              | 0.199 | /                | / |
| 10                   | QPSK       | 25      | 0         | /                 | / | 22.25              | 0.168 | /                | / |
| 10                   | QPSK       | 25      | 12        | /                 | / | 22.24              | 0.167 | /                | / |
| 10                   | QPSK       | 25      | 25        | /                 | / | 22.22              | 0.167 | /                | / |
| 10                   | QPSK       | 50      | 0         | /                 | / | 22.15              | 0.164 | /                | / |
| 10                   | 16QAM      | 1       | 0         | /                 | / | 22.06              | 0.161 | /                | / |
| 10                   | 16QAM      | 1       | 25        | /                 | / | 21.96              | 0.157 | /                | / |
| 10                   | 16QAM      | 1       | 49        | /                 | / | 22.02              | 0.159 | /                | / |
| 10                   | 16QAM      | 25      | 0         | /                 | / | 21.31              | 0.135 | /                | / |
| 10                   | 16QAM      | 25      | 12        | /                 | / | 21.23              | 0.133 | /                | / |
| 10                   | 16QAM      | 25      | 25        | /                 | / | 21.24              | 0.133 | /                | / |
| 10                   | 16QAM      | 50      | 0         | /                 | / | 21.28              | 0.134 | /                | / |
| 10                   | 64QAM      | 1       | 0         | /                 | / | 21.28              | 0.134 | /                | / |
| 10                   | 64QAM      | 1       | 25        | /                 | / | 21.27              | 0.134 | /                | / |
| 10                   | 64QAM      | 1       | 49        | /                 | / | 21.28              | 0.134 | /                | / |
| 10                   | 64QAM      | 25      | 0         | /                 | / | 21.16              | 0.131 | /                | / |
| 10                   | 64QAM      | 25      | 12        | /                 | / | 21.18              | 0.131 | /                | / |
| 10                   | 64QAM      | 25      | 25        | /                 | / | 21.17              | 0.131 | /                | / |
| 10                   | 64QAM      | 50      | 0         | /                 | / | 21.21              | 0.132 | /                | / |





| LTE Band 40, Block B |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|----------------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel              |            |         |           | 39175             |       | 39200              |       | 39225            |       |
| Frequency (MHz)      |            |         |           | 2352.5            |       | 2355               |       | 2357.5           |       |
|                      |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 5                    | QPSK       | 1       | 0         | 22.99             | 0.199 | 23.03              | 0.201 | 23.00            | 0.200 |
| 5                    | QPSK       | 1       | 12        | 23.15             | 0.207 | 23.11              | 0.205 | 23.10            | 0.204 |
| 5                    | QPSK       | 1       | 24        | 22.87             | 0.194 | 22.87              | 0.194 | 22.87            | 0.194 |
| 5                    | QPSK       | 12      | 0         | 22.26             | 0.168 | 22.24              | 0.167 | 22.20            | 0.166 |
| 5                    | QPSK       | 12      | 7         | 22.25             | 0.168 | 22.22              | 0.167 | 22.24            | 0.167 |
| 5                    | QPSK       | 12      | 13        | 22.20             | 0.166 | 22.23              | 0.167 | 22.13            | 0.163 |
| 5                    | QPSK       | 25      | 0         | 22.15             | 0.164 | 22.17              | 0.165 | 22.06            | 0.161 |
| 5                    | 16QAM      | 1       | 0         | 22.20             | 0.166 | 22.17              | 0.165 | 22.21            | 0.166 |
| 5                    | 16QAM      | 1       | 12        | 22.30             | 0.170 | 22.31              | 0.170 | 22.30            | 0.170 |
| 5                    | 16QAM      | 1       | 24        | 22.09             | 0.162 | 22.15              | 0.164 | 22.14            | 0.164 |
| 5                    | 16QAM      | 12      | 0         | 22.17             | 0.165 | 21.95              | 0.157 | 22.02            | 0.159 |
| 5                    | 16QAM      | 12      | 7         | 21.95             | 0.157 | 22.02              | 0.159 | 21.95            | 0.157 |
| 5                    | 16QAM      | 12      | 13        | 22.02             | 0.159 | 21.95              | 0.157 | 21.94            | 0.156 |
| 5                    | 16QAM      | 25      | 0         | 21.95             | 0.157 | 22.04              | 0.160 | 21.96            | 0.157 |
| 5                    | 64QAM      | 1       | 0         | 22.14             | 0.164 | 22.20              | 0.166 | 22.09            | 0.162 |
| 5                    | 64QAM      | 1       | 12        | 22.26             | 0.168 | 22.20              | 0.166 | 22.24            | 0.167 |
| 5                    | 64QAM      | 1       | 24        | 22.06             | 0.161 | 22.10              | 0.162 | 22.01            | 0.159 |
| 5                    | 64QAM      | 12      | 0         | 21.21             | 0.132 | 21.11              | 0.129 | 21.12            | 0.129 |
| 5                    | 64QAM      | 12      | 7         | 21.11             | 0.129 | 21.11              | 0.129 | 21.16            | 0.131 |
| 5                    | 64QAM      | 12      | 13        | 21.15             | 0.130 | 21.15              | 0.130 | 21.12            | 0.129 |
| 5                    | 64QAM      | 25      | 0         | 21.14             | 0.130 | 21.11              | 0.129 | 21.11            | 0.129 |



| LTE Band 41     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 40340             |       | 40740              |       | 41140            |       |
| Frequency (MHz) |            |         |           | 2565              |       | 2605               |       | 2645             |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 20              | QPSK       | 1       | 0         | 24.47             | 0.280 | 24.20              | 0.263 | 24.99            | 0.316 |
| 20              | QPSK       | 1       | 49        | 24.30             | 0.269 | 24.36              | 0.273 | 24.71            | 0.296 |
| 20              | QPSK       | 1       | 99        | 24.57             | 0.286 | 24.38              | 0.274 | 24.69            | 0.294 |
| 20              | QPSK       | 50      | 0         | 24.27             | 0.267 | 24.05              | 0.254 | 24.28            | 0.268 |
| 20              | QPSK       | 50      | 24        | 24.26             | 0.267 | 23.72              | 0.236 | 24.02            | 0.252 |
| 20              | QPSK       | 50      | 50        | 24.17             | 0.261 | 23.70              | 0.234 | 24.24            | 0.265 |
| 20              | QPSK       | 100     | 0         | 24.23             | 0.265 | 23.73              | 0.236 | 24.14            | 0.259 |
| 20              | 16QAM      | 1       | 0         | 23.83             | 0.242 | 23.67              | 0.233 | 23.71            | 0.235 |
| 20              | 16QAM      | 1       | 49        | 23.82             | 0.241 | 23.94              | 0.248 | 23.98            | 0.250 |
| 20              | 16QAM      | 1       | 99        | 24.04             | 0.254 | 23.67              | 0.233 | 23.75            | 0.237 |
| 20              | 16QAM      | 50      | 0         | 23.04             | 0.201 | 22.87              | 0.194 | 22.92            | 0.196 |
| 20              | 16QAM      | 50      | 24        | 23.25             | 0.211 | 22.91              | 0.195 | 23.03            | 0.201 |
| 20              | 16QAM      | 50      | 50        | 22.94             | 0.197 | 22.90              | 0.195 | 23.13            | 0.206 |
| 20              | 16QAM      | 100     | 0         | 23.12             | 0.205 | 22.99              | 0.199 | 23.08            | 0.203 |
| 20              | 64QAM      | 1       | 0         | 23.04             | 0.201 | 22.98              | 0.199 | 23.02            | 0.200 |
| 20              | 64QAM      | 1       | 49        | 22.96             | 0.198 | 23.02              | 0.200 | 22.95            | 0.197 |
| 20              | 64QAM      | 1       | 99        | 23.19             | 0.208 | 22.95              | 0.197 | 22.97            | 0.198 |
| 20              | 64QAM      | 50      | 0         | 22.93             | 0.196 | 23.01              | 0.200 | 22.88            | 0.194 |
| 20              | 64QAM      | 50      | 24        | 23.02             | 0.200 | 22.82              | 0.191 | 22.97            | 0.198 |
| 20              | 64QAM      | 50      | 50        | 22.73             | 0.187 | 22.90              | 0.195 | 23.09            | 0.204 |
| 20              | 64QAM      | 100     | 0         | 22.96             | 0.198 | 22.93              | 0.196 | 23.12            | 0.205 |



| LTE Band 41     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 40315             |       | 40740              |       | 41165            |       |
| Frequency (MHz) |            |         |           | 2562.5            |       | 2605               |       | 2647.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 15              | QPSK       | 1       | 0         | 23.99             | 0.251 | 24.30              | 0.269 | 24.81            | 0.303 |
| 15              | QPSK       | 1       | 37        | 24.29             | 0.269 | 24.52              | 0.283 | 24.49            | 0.281 |
| 15              | QPSK       | 1       | 74        | 24.13             | 0.259 | 24.51              | 0.282 | 24.47            | 0.280 |
| 15              | QPSK       | 36      | 0         | 24.02             | 0.252 | 23.50              | 0.224 | 24.02            | 0.252 |
| 15              | QPSK       | 36      | 20        | 24.02             | 0.252 | 23.50              | 0.224 | 24.10            | 0.257 |
| 15              | QPSK       | 36      | 39        | 23.81             | 0.240 | 23.66              | 0.232 | 24.19            | 0.262 |
| 15              | QPSK       | 75      | 0         | 24.02             | 0.252 | 23.51              | 0.224 | 24.08            | 0.256 |
| 15              | 16QAM      | 1       | 0         | 23.71             | 0.235 | 23.54              | 0.226 | 23.87            | 0.244 |
| 15              | 16QAM      | 1       | 37        | 23.82             | 0.241 | 23.74              | 0.237 | 24.00            | 0.251 |
| 15              | 16QAM      | 1       | 74        | 23.94             | 0.248 | 23.49              | 0.223 | 23.91            | 0.246 |
| 15              | 16QAM      | 36      | 0         | 23.07             | 0.203 | 23.01              | 0.200 | 22.93            | 0.196 |
| 15              | 16QAM      | 36      | 20        | 22.82             | 0.191 | 22.94              | 0.197 | 23.08            | 0.203 |
| 15              | 16QAM      | 36      | 39        | 22.94             | 0.197 | 23.10              | 0.204 | 23.02            | 0.200 |
| 15              | 16QAM      | 75      | 0         | 23.16             | 0.207 | 23.17              | 0.207 | 23.04            | 0.201 |
| 15              | 64QAM      | 1       | 0         | 23.13             | 0.206 | 23.12              | 0.205 | 22.80            | 0.191 |
| 15              | 64QAM      | 1       | 37        | 23.05             | 0.202 | 23.00              | 0.200 | 23.02            | 0.200 |
| 15              | 64QAM      | 1       | 74        | 23.26             | 0.212 | 23.13              | 0.206 | 22.95            | 0.197 |
| 15              | 64QAM      | 36      | 0         | 23.22             | 0.210 | 23.09              | 0.204 | 22.96            | 0.198 |
| 15              | 64QAM      | 36      | 20        | 22.97             | 0.198 | 23.23              | 0.210 | 23.04            | 0.201 |
| 15              | 64QAM      | 36      | 39        | 23.16             | 0.207 | 23.20              | 0.209 | 23.06            | 0.202 |
| 15              | 64QAM      | 75      | 0         | 23.17             | 0.207 | 22.83              | 0.192 | 22.94            | 0.197 |



| LTE Band 41     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 40290             |       | 40740              |       | 41190            |       |
| Frequency (MHz) |            |         |           | 2560              |       | 2605               |       | 2650             |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 10              | QPSK       | 1       | 0         | 24.14             | 0.259 | 24.44              | 0.278 | 24.85            | 0.305 |
| 10              | QPSK       | 1       | 25        | 24.22             | 0.264 | 24.53              | 0.284 | 24.79            | 0.301 |
| 10              | QPSK       | 1       | 49        | 24.11             | 0.258 | 24.40              | 0.275 | 24.94            | 0.312 |
| 10              | QPSK       | 25      | 0         | 23.74             | 0.237 | 23.50              | 0.224 | 24.03            | 0.253 |
| 10              | QPSK       | 25      | 12        | 23.66             | 0.232 | 23.61              | 0.230 | 24.15            | 0.260 |
| 10              | QPSK       | 25      | 25        | 23.77             | 0.238 | 23.62              | 0.230 | 24.14            | 0.259 |
| 10              | QPSK       | 50      | 0         | 23.91             | 0.246 | 23.71              | 0.235 | 24.24            | 0.265 |
| 10              | 16QAM      | 1       | 0         | 23.68             | 0.233 | 23.77              | 0.238 | 24.04            | 0.254 |
| 10              | 16QAM      | 1       | 25        | 23.77             | 0.238 | 23.73              | 0.236 | 24.11            | 0.258 |
| 10              | 16QAM      | 1       | 49        | 23.97             | 0.249 | 23.50              | 0.224 | 24.01            | 0.252 |
| 10              | 16QAM      | 25      | 0         | 23.04             | 0.201 | 23.08              | 0.203 | 23.02            | 0.200 |
| 10              | 16QAM      | 25      | 12        | 23.11             | 0.205 | 22.82              | 0.191 | 23.09            | 0.204 |
| 10              | 16QAM      | 25      | 25        | 23.22             | 0.210 | 22.88              | 0.194 | 23.10            | 0.204 |
| 10              | 16QAM      | 50      | 0         | 22.84             | 0.192 | 23.01              | 0.200 | 23.13            | 0.206 |
| 10              | 64QAM      | 1       | 0         | 23.22             | 0.210 | 23.00              | 0.200 | 22.98            | 0.199 |
| 10              | 64QAM      | 1       | 25        | 23.35             | 0.216 | 22.80              | 0.191 | 23.02            | 0.200 |
| 10              | 64QAM      | 1       | 49        | 23.30             | 0.214 | 23.42              | 0.220 | 23.11            | 0.205 |
| 10              | 64QAM      | 25      | 0         | 23.17             | 0.207 | 23.08              | 0.203 | 22.90            | 0.195 |
| 10              | 64QAM      | 25      | 12        | 22.86             | 0.193 | 22.97              | 0.198 | 23.09            | 0.204 |
| 10              | 64QAM      | 25      | 25        | 22.94             | 0.197 | 23.16              | 0.207 | 23.08            | 0.203 |
| 10              | 64QAM      | 50      | 0         | 23.22             | 0.210 | 23.23              | 0.210 | 23.08            | 0.203 |



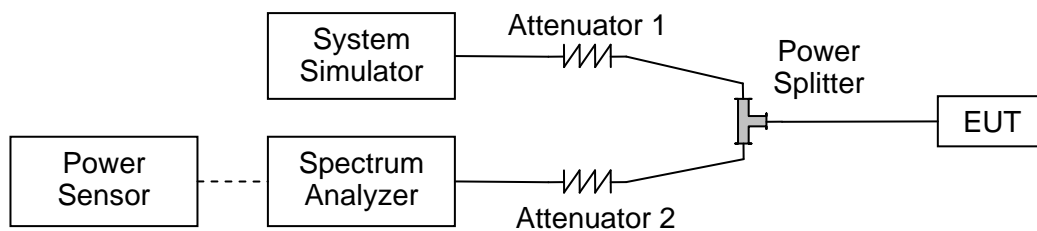
| LTE Band 41     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 40265             |       | 40740              |       | 41215            |       |
| Frequency (MHz) |            |         |           | 2557.5            |       | 2605               |       | 2652.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 5               | QPSK       | 1       | 0         | 24.47             | 0.280 | 24.31              | 0.270 | 24.76            | 0.299 |
| 5               | QPSK       | 1       | 12        | 24.37             | 0.274 | 24.50              | 0.282 | 24.71            | 0.296 |
| 5               | QPSK       | 1       | 24        | 24.28             | 0.268 | 24.41              | 0.276 | 24.95            | 0.313 |
| 5               | QPSK       | 12      | 0         | 23.71             | 0.235 | 23.52              | 0.225 | 24.11            | 0.258 |
| 5               | QPSK       | 12      | 7         | 23.62             | 0.230 | 23.61              | 0.230 | 24.19            | 0.262 |
| 5               | QPSK       | 12      | 13        | 23.71             | 0.235 | 23.52              | 0.225 | 24.15            | 0.260 |
| 5               | QPSK       | 25      | 0         | 23.74             | 0.237 | 23.50              | 0.224 | 24.04            | 0.254 |
| 5               | 16QAM      | 1       | 0         | 23.59             | 0.229 | 23.40              | 0.219 | 23.86            | 0.243 |
| 5               | 16QAM      | 1       | 12        | 23.74             | 0.237 | 23.81              | 0.240 | 24.02            | 0.252 |
| 5               | 16QAM      | 1       | 24        | 23.89             | 0.245 | 23.49              | 0.223 | 23.91            | 0.246 |
| 5               | 16QAM      | 12      | 0         | 23.17             | 0.207 | 23.15              | 0.207 | 22.98            | 0.199 |
| 5               | 16QAM      | 12      | 7         | 22.86             | 0.193 | 23.20              | 0.209 | 23.14            | 0.206 |
| 5               | 16QAM      | 12      | 13        | 22.96             | 0.198 | 22.93              | 0.196 | 23.08            | 0.203 |
| 5               | 16QAM      | 25      | 0         | 23.11             | 0.205 | 23.19              | 0.208 | 23.04            | 0.201 |
| 5               | 64QAM      | 1       | 0         | 23.02             | 0.200 | 22.98              | 0.199 | 23.02            | 0.200 |
| 5               | 64QAM      | 1       | 12        | 23.12             | 0.205 | 23.00              | 0.200 | 22.96            | 0.198 |
| 5               | 64QAM      | 1       | 24        | 22.96             | 0.198 | 22.98              | 0.199 | 22.94            | 0.197 |
| 5               | 64QAM      | 12      | 0         | 23.02             | 0.200 | 23.08              | 0.203 | 22.94            | 0.197 |
| 5               | 64QAM      | 12      | 7         | 23.09             | 0.204 | 22.98              | 0.199 | 23.10            | 0.204 |
| 5               | 64QAM      | 12      | 13        | 23.22             | 0.210 | 22.92              | 0.196 | 23.04            | 0.201 |
| 5               | 64QAM      | 25      | 0         | 23.13             | 0.206 | 23.02              | 0.200 | 22.89            | 0.195 |

## 2.2. Occupied Bandwidth

### 2.2.1. Requirement

According to FCC section 2.1049, the occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission. Occupied bandwidth is also known as the 99% emission bandwidth.

### 2.2.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

### 2.2.3. Test Procedure

KDB 971168 D01v03 Section 4.1 and ANSI/TIA-603-E-2016.

### 2.2.4. Test Result



| LTE Band 2 |               |            |             |              |
|------------|---------------|------------|-------------|--------------|
| BW(MHz)    | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 1.4        | Low           | QPSK       | 1.09        | 1.26         |
|            | Low           | 16QAM      | 1.10        | 1.30         |
|            | Low           | 64QAM      | 1.10        | 1.29         |
|            | Mid           | QPSK       | 1.09        | 1.28         |
|            | Mid           | 16QAM      | 1.10        | 1.29         |
|            | Mid           | 64QAM      | 1.10        | 1.29         |
|            | High          | QPSK       | 1.10        | 1.27         |
|            | High          | 16QAM      | 1.10        | 1.30         |
|            | High          | 64QAM      | 1.10        | 1.29         |
| 3          | Low           | QPSK       | 2.69        | 2.92         |
|            | Low           | 16QAM      | 2.69        | 2.93         |
|            | Low           | 64QAM      | 2.70        | 2.93         |
|            | Mid           | QPSK       | 2.69        | 2.92         |
|            | Mid           | 16QAM      | 2.69        | 2.93         |
|            | Mid           | 64QAM      | 2.70        | 2.94         |
|            | High          | QPSK       | 2.69        | 2.91         |
|            | High          | 16QAM      | 2.70        | 2.92         |
|            | High          | 64QAM      | 2.70        | 2.93         |
| 5          | Low           | QPSK       | 4.50        | 4.92         |
|            | Low           | 16QAM      | 4.50        | 4.95         |
|            | Low           | 64QAM      | 4.50        | 4.92         |
|            | Mid           | QPSK       | 4.50        | 5.14         |
|            | Mid           | 16QAM      | 4.50        | 4.90         |
|            | Mid           | 64QAM      | 4.49        | 4.80         |
|            | High          | QPSK       | 4.50        | 4.92         |
|            | High          | 16QAM      | 4.50        | 4.91         |
|            | High          | 64QAM      | 4.49        | 4.93         |
| 10         | Low           | QPSK       | 8.98        | 9.76         |
|            | Low           | 16QAM      | 8.97        | 9.68         |
|            | Low           | 64QAM      | 8.98        | 9.81         |
|            | Mid           | QPSK       | 9.00        | 9.83         |
|            | Mid           | 16QAM      | 8.98        | 10.31        |
|            | Mid           | 64QAM      | 8.99        | 10.35        |
|            | High          | QPSK       | 9.02        | 9.71         |
|            | High          | 16QAM      | 8.97        | 9.72         |
|            | High          | 64QAM      | 8.98        | 9.75         |



|    |      |       |       |       |
|----|------|-------|-------|-------|
| 15 | Low  | QPSK  | 13.51 | 14.96 |
|    | Low  | 16QAM | 13.48 | 15.33 |
|    | Low  | 64QAM | 13.49 | 14.6  |
|    | Mid  | QPSK  | 13.47 | 14.54 |
|    | Mid  | 16QAM | 13.48 | 14.65 |
|    | Mid  | 64QAM | 13.45 | 14.63 |
|    | High | QPSK  | 13.48 | 14.53 |
|    | High | 16QAM | 13.45 | 14.52 |
|    | High | 64QAM | 13.46 | 14.56 |
| 20 | Low  | QPSK  | 17.96 | 19.31 |
|    | Low  | 16QAM | 18.01 | 19.38 |
|    | Low  | 64QAM | 17.96 | 19.40 |
|    | Mid  | QPSK  | 18.00 | 19.65 |
|    | Mid  | 16QAM | 18.01 | 20.42 |
|    | Mid  | 64QAM | 18.00 | 19.83 |
|    | High | QPSK  | 17.91 | 19.31 |
|    | High | 16QAM | 17.96 | 19.44 |
|    | High | 64QAM | 17.97 | 19.19 |





| LTE Band 4 |               |            |             |              |
|------------|---------------|------------|-------------|--------------|
| BW(MHz)    | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 1.4        | Low           | QPSK       | 1.10        | 1.29         |
|            | Low           | 16QAM      | 1.10        | 1.29         |
|            | Low           | 64QAM      | 1.10        | 1.29         |
|            | Mid           | QPSK       | 1.10        | 1.27         |
|            | Mid           | 16QAM      | 1.10        | 1.29         |
|            | Mid           | 64QAM      | 1.10        | 1.29         |
|            | High          | QPSK       | 1.10        | 1.27         |
|            | High          | 16QAM      | 1.10        | 1.30         |
|            | High          | 64QAM      | 1.10        | 1.30         |
| 3          | Low           | QPSK       | 2.69        | 2.92         |
|            | Low           | 16QAM      | 2.69        | 3.03         |
|            | Low           | 64QAM      | 2.70        | 2.93         |
|            | Mid           | QPSK       | 2.69        | 2.92         |
|            | Mid           | 16QAM      | 2.69        | 2.93         |
|            | Mid           | 64QAM      | 2.71        | 2.92         |
|            | High          | QPSK       | 2.69        | 2.92         |
|            | High          | 16QAM      | 2.69        | 2.92         |
|            | High          | 64QAM      | 2.70        | 2.92         |
| 5          | Low           | QPSK       | 4.49        | 4.93         |
|            | Low           | 16QAM      | 4.50        | 4.93         |
|            | Low           | 64QAM      | 4.50        | 4.91         |
|            | Mid           | QPSK       | 4.50        | 4.92         |
|            | Mid           | 16QAM      | 4.50        | 4.91         |
|            | Mid           | 64QAM      | 4.49        | 4.91         |
|            | High          | QPSK       | 4.50        | 4.93         |
|            | High          | 16QAM      | 4.50        | 4.93         |
|            | High          | 64QAM      | 4.49        | 4.91         |
| 10         | Low           | QPSK       | 8.99        | 9.76         |
|            | Low           | 16QAM      | 8.96        | 9.69         |
|            | Low           | 64QAM      | 8.97        | 9.73         |
|            | Mid           | QPSK       | 8.99        | 9.72         |
|            | Mid           | 16QAM      | 8.97        | 9.72         |
|            | Mid           | 64QAM      | 8.97        | 9.74         |
|            | High          | QPSK       | 8.98        | 9.72         |
|            | High          | 16QAM      | 8.97        | 9.68         |
|            | High          | 64QAM      | 8.99        | 9.7          |



|    |      |       |       |       |
|----|------|-------|-------|-------|
| 15 | Low  | QPSK  | 13.45 | 14.53 |
|    | Low  | 16QAM | 13.45 | 14.69 |
|    | Low  | 64QAM | 13.46 | 14.62 |
|    | Mid  | QPSK  | 13.48 | 14.62 |
|    | Mid  | 16QAM | 13.47 | 14.55 |
|    | Mid  | 64QAM | 13.47 | 14.59 |
|    | High | QPSK  | 13.46 | 14.56 |
|    | High | 16QAM | 13.45 | 14.65 |
|    | High | 64QAM | 13.44 | 14.56 |
| 20 | Low  | QPSK  | 17.94 | 19.36 |
|    | Low  | 16QAM | 17.97 | 19.48 |
|    | Low  | 64QAM | 17.93 | 19.29 |
|    | Mid  | QPSK  | 17.94 | 19.35 |
|    | Mid  | 16QAM | 17.96 | 19.33 |
|    | Mid  | 64QAM | 17.96 | 19.33 |
|    | High | QPSK  | 17.91 | 19.15 |
|    | High | 16QAM | 17.93 | 19.3  |
|    | High | 64QAM | 17.94 | 19.34 |



| LTE Band 5 |               |            |             |              |
|------------|---------------|------------|-------------|--------------|
| BW(MHz)    | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 1.4        | Low           | QPSK       | 1.09        | 1.27         |
|            | Low           | 16QAM      | 1.10        | 1.29         |
|            | Low           | 64QAM      | 1.09        | 1.29         |
|            | Mid           | QPSK       | 1.10        | 1.27         |
|            | Mid           | 16QAM      | 1.10        | 1.30         |
|            | Mid           | 64QAM      | 1.10        | 1.29         |
|            | High          | QPSK       | 1.09        | 1.26         |
|            | High          | 16QAM      | 1.10        | 1.30         |
|            | High          | 64QAM      | 1.09        | 1.30         |
| 3          | Low           | QPSK       | 2.69        | 2.93         |
|            | Low           | 16QAM      | 2.69        | 2.92         |
|            | Low           | 64QAM      | 2.70        | 2.93         |
|            | Mid           | QPSK       | 2.69        | 2.92         |
|            | Mid           | 16QAM      | 2.69        | 2.94         |
|            | Mid           | 64QAM      | 2.70        | 2.93         |
|            | High          | QPSK       | 2.69        | 2.91         |
|            | High          | 16QAM      | 2.69        | 2.93         |
|            | High          | 64QAM      | 2.70        | 2.93         |
| 5          | Low           | QPSK       | 4.50        | 4.95         |
|            | Low           | 16QAM      | 4.50        | 4.91         |
|            | Low           | 64QAM      | 4.49        | 4.90         |
|            | Mid           | QPSK       | 4.50        | 4.92         |
|            | Mid           | 16QAM      | 4.50        | 4.93         |
|            | Mid           | 64QAM      | 4.50        | 4.91         |
|            | High          | QPSK       | 4.50        | 4.92         |
|            | High          | 16QAM      | 4.49        | 4.92         |
|            | High          | 64QAM      | 4.50        | 4.91         |
| 10         | Low           | QPSK       | 9.02        | 9.72         |
|            | Low           | 16QAM      | 8.98        | 9.72         |
|            | Low           | 64QAM      | 9.00        | 9.79         |
|            | Mid           | QPSK       | 9.01        | 9.77         |
|            | Mid           | 16QAM      | 8.97        | 9.73         |
|            | Mid           | 64QAM      | 8.98        | 9.72         |
|            | High          | QPSK       | 9.00        | 9.75         |
|            | High          | 16QAM      | 8.96        | 9.70         |
|            | High          | 64QAM      | 8.98        | 9.73         |



| LTE Band 7 |               |            |             |              |
|------------|---------------|------------|-------------|--------------|
| BW(MHz)    | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 5          | Low           | QPSK       | 4.51        | 4.87         |
|            | Low           | 16QAM      | 4.51        | 4.97         |
|            | Low           | 64QAM      | 4.50        | 4.92         |
|            | Mid           | QPSK       | 4.50        | 4.94         |
|            | Mid           | 16QAM      | 4.50        | 4.92         |
|            | Mid           | 64QAM      | 4.50        | 4.93         |
|            | High          | QPSK       | 4.50        | 4.95         |
|            | High          | 16QAM      | 4.51        | 4.97         |
|            | High          | 64QAM      | 4.50        | 4.96         |
| 10         | Low           | QPSK       | 9.02        | 9.78         |
|            | Low           | 16QAM      | 8.97        | 9.79         |
|            | Low           | 64QAM      | 9.01        | 9.80         |
|            | Mid           | QPSK       | 9.01        | 9.82         |
|            | Mid           | 16QAM      | 8.98        | 9.68         |
|            | Mid           | 64QAM      | 9.00        | 9.72         |
|            | High          | QPSK       | 9.00        | 9.82         |
|            | High          | 16QAM      | 8.97        | 9.73         |
|            | High          | 64QAM      | 8.98        | 9.79         |
| 15         | Low           | QPSK       | 13.51       | 14.70        |
|            | Low           | 16QAM      | 13.49       | 14.58        |
|            | Low           | 64QAM      | 13.48       | 14.59        |
|            | Mid           | QPSK       | 13.45       | 14.49        |
|            | Mid           | 16QAM      | 13.47       | 14.57        |
|            | Mid           | 64QAM      | 13.47       | 14.7         |
|            | High          | QPSK       | 13.47       | 14.69        |
|            | High          | 16QAM      | 13.44       | 14.56        |
|            | High          | 64QAM      | 13.43       | 14.55        |
| 20         | Low           | QPSK       | 17.98       | 19.34        |
|            | Low           | 16QAM      | 17.95       | 19.21        |
|            | Low           | 64QAM      | 17.99       | 19.32        |
|            | Mid           | QPSK       | 17.92       | 19.36        |
|            | Mid           | 16QAM      | 17.98       | 19.35        |
|            | Mid           | 64QAM      | 17.95       | 19.30        |
|            | High          | QPSK       | 17.93       | 19.30        |
|            | High          | 16QAM      | 17.92       | 19.41        |
|            | High          | 64QAM      | 17.90       | 19.34        |



| LTE Band 12 |               |            |             |              |
|-------------|---------------|------------|-------------|--------------|
| BW(MHz)     | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 1.4         | Low           | QPSK       | 1.09        | 1.28         |
|             | Low           | 16QAM      | 1.09        | 1.29         |
|             | Low           | 64QAM      | 1.10        | 1.30         |
|             | Mid           | QPSK       | 1.09        | 1.27         |
|             | Mid           | 16QAM      | 1.10        | 1.25         |
|             | Mid           | 64QAM      | 1.09        | 1.28         |
|             | High          | QPSK       | 1.09        | 1.27         |
|             | High          | 16QAM      | 1.10        | 1.29         |
|             | High          | 64QAM      | 1.10        | 1.29         |
| 3           | Low           | QPSK       | 2.69        | 2.91         |
|             | Low           | 16QAM      | 2.69        | 2.92         |
|             | Low           | 64QAM      | 2.70        | 2.92         |
|             | Mid           | QPSK       | 2.69        | 2.93         |
|             | Mid           | 16QAM      | 2.69        | 2.94         |
|             | Mid           | 64QAM      | 2.70        | 2.94         |
|             | High          | QPSK       | 2.69        | 2.91         |
|             | High          | 16QAM      | 2.69        | 2.94         |
|             | High          | 64QAM      | 2.70        | 2.93         |
| 5           | Low           | QPSK       | 4.52        | 5.18         |
|             | Low           | 16QAM      | 4.51        | 4.93         |
|             | Low           | 64QAM      | 4.51        | 5.15         |
|             | Mid           | QPSK       | 4.51        | 5.30         |
|             | Mid           | 16QAM      | 4.52        | 5.12         |
|             | Mid           | 64QAM      | 4.50        | 5.11         |
|             | High          | QPSK       | 4.54        | 5.21         |
|             | High          | 16QAM      | 4.52        | 5.14         |
|             | High          | 64QAM      | 4.52        | 5.16         |
| 10          | Low           | QPSK       | 9.05        | 10.12        |
|             | Low           | 16QAM      | 9.02        | 10.06        |
|             | Low           | 64QAM      | 9.02        | 10.07        |
|             | Mid           | QPSK       | 9.01        | 10.01        |
|             | Mid           | 16QAM      | 8.97        | 9.87         |
|             | Mid           | 64QAM      | 9.00        | 9.93         |
|             | High          | QPSK       | 8.97        | 9.98         |
|             | High          | 16QAM      | 8.96        | 9.86         |
|             | High          | 64QAM      | 8.98        | 9.98         |



| LTE Band 17 |               |            |             |              |
|-------------|---------------|------------|-------------|--------------|
| BW(MHz)     | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 5           | Low           | QPSK       | 4.52        | 5.12         |
|             | Low           | 16QAM      | 4.52        | 5.21         |
|             | Low           | 64QAM      | 4.50        | 5.15         |
|             | Mid           | QPSK       | 4.50        | 5.16         |
|             | Mid           | 16QAM      | 4.50        | 5.10         |
|             | Mid           | 64QAM      | 4.49        | 5.06         |
|             | High          | QPSK       | 4.53        | 5.22         |
|             | High          | 16QAM      | 4.52        | 5.16         |
|             | High          | 64QAM      | 4.52        | 5.13         |
| 10          | Low           | QPSK       | 9.00        | 9.91         |
|             | Low           | 16QAM      | 8.94        | 9.88         |
|             | Low           | 64QAM      | 8.96        | 10.00        |
|             | Mid           | QPSK       | 8.98        | 9.92         |
|             | Mid           | 16QAM      | 8.94        | 9.83         |
|             | Mid           | 64QAM      | 8.94        | 10.00        |
|             | High          | QPSK       | 9.01        | 9.91         |
|             | High          | 16QAM      | 8.95        | 9.94         |
|             | High          | 64QAM      | 8.98        | 10.04        |



| LTE Band 38 |               |            |             |              |
|-------------|---------------|------------|-------------|--------------|
| BW(MHz)     | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 5           | Low           | QPSK       | 4.51        | 4.96         |
|             | Low           | 16QAM      | 4.51        | 5.21         |
|             | Low           | 64QAM      | 4.49        | 4.96         |
|             | Mid           | QPSK       | 4.51        | 4.97         |
|             | Mid           | 16QAM      | 4.51        | 5.22         |
|             | Mid           | 64QAM      | 4.49        | 4.91         |
|             | High          | QPSK       | 4.50        | 4.93         |
|             | High          | 16QAM      | 4.50        | 5.01         |
|             | High          | 64QAM      | 4.49        | 4.91         |
| 10          | Low           | QPSK       | 9.00        | 9.87         |
|             | Low           | 16QAM      | 8.98        | 10.23        |
|             | Low           | 64QAM      | 8.99        | 10.06        |
|             | Mid           | QPSK       | 8.98        | 9.67         |
|             | Mid           | 16QAM      | 9.00        | 10.05        |
|             | Mid           | 64QAM      | 8.99        | 10.21        |
|             | High          | QPSK       | 8.98        | 9.85         |
|             | High          | 16QAM      | 8.97        | 10.04        |
|             | High          | 64QAM      | 8.96        | 10.23        |
| 15          | Low           | QPSK       | 13.50       | 14.61        |
|             | Low           | 16QAM      | 13.48       | 14.86        |
|             | Low           | 64QAM      | 13.49       | 14.46        |
|             | Mid           | QPSK       | 13.48       | 14.54        |
|             | Mid           | 16QAM      | 13.48       | 14.50        |
|             | Mid           | 64QAM      | 13.48       | 14.52        |
|             | High          | QPSK       | 13.45       | 14.49        |
|             | High          | 16QAM      | 13.48       | 14.99        |
|             | High          | 64QAM      | 13.45       | 15.20        |
| 20          | Low           | QPSK       | 17.99       | 19.44        |
|             | Low           | 16QAM      | 17.95       | 20.01        |
|             | Low           | 64QAM      | 17.97       | 20.11        |
|             | Mid           | QPSK       | 17.97       | 19.42        |
|             | Mid           | 16QAM      | 17.92       | 19.96        |
|             | Mid           | 64QAM      | 17.95       | 19.93        |
|             | High          | QPSK       | 17.92       | 20.28        |
|             | High          | 16QAM      | 17.96       | 20.00        |
|             | High          | 64QAM      | 17.92       | 19.46        |



| LTE Band 40, Block A |               |            |             |              |
|----------------------|---------------|------------|-------------|--------------|
| BW(MHz)              | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 5                    | Low           | QPSK       | 4.51        | 5.17         |
|                      | Low           | 16QAM      | 4.52        | 5.26         |
|                      | Low           | 64QAM      | 4.49        | 5.08         |
|                      | Mid           | QPSK       | 4.51        | 5.23         |
|                      | Mid           | 16QAM      | 5.25        | 4.51         |
|                      | Mid           | 64QAM      | 4.49        | 5.10         |
|                      | High          | QPSK       | 4.51        | 5.20         |
|                      | High          | 16QAM      | 4.51        | 5.44         |
|                      | High          | 64QAM      | 4.50        | 5.09         |
| 10                   | Mid           | QPSK       | 9.00        | 9.94         |
|                      | Mid           | 16QAM      | 8.98        | 10.38        |
|                      | Mid           | 64QAM      | 9.00        | 10.58        |

| LTE Band 40, Block B |               |            |             |              |
|----------------------|---------------|------------|-------------|--------------|
| BW(MHz)              | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 5                    | Low           | QPSK       | 4.52        | 5.19         |
|                      | Low           | 16QAM      | 4.51        | 5.32         |
|                      | Low           | 64QAM      | 4.50        | 5.11         |
|                      | Mid           | QPSK       | 4.52        | 5.20         |
|                      | Mid           | 16QAM      | 4.52        | 5.41         |
|                      | Mid           | 64QAM      | 4.49        | 5.12         |
|                      | High          | QPSK       | 4.52        | 5.22         |
|                      | High          | 16QAM      | 4.51        | 5.24         |
|                      | High          | 64QAM      | 4.50        | 5.11         |
| 10                   | Mid           | QPSK       | 9.00        | 10.25        |
|                      | Mid           | 16QAM      | 8.98        | 10.42        |
|                      | Mid           | 64QAM      | 8.99        | 10.10        |

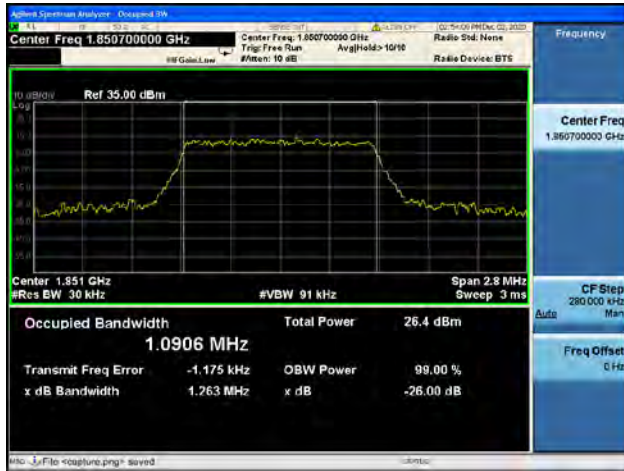




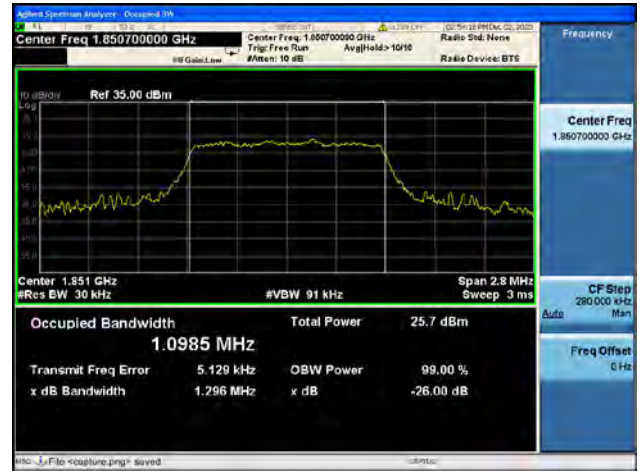
| LTE Band 41 |               |            |             |              |
|-------------|---------------|------------|-------------|--------------|
| BW(MHz)     | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 5           | Low           | QPSK       | 4.50        | 5.14         |
|             | Low           | 16QAM      | 4.50        | 5.26         |
|             | Low           | 64QAM      | 4.48        | 4.92         |
|             | Mid           | QPSK       | 4.49        | 5.08         |
|             | Mid           | 16QAM      | 4.49        | 5.20         |
|             | Mid           | 64QAM      | 4.48        | 4.90         |
|             | High          | QPSK       | 4.52        | 6.07         |
|             | High          | 16QAM      | 4.51        | 6.54         |
|             | High          | 64QAM      | 4.50        | 5.61         |
| 10          | Low           | QPSK       | 8.97        | 9.98         |
|             | Low           | 16QAM      | 8.97        | 9.72         |
|             | Low           | 64QAM      | 8.98        | 10.16        |
|             | Mid           | QPSK       | 8.97        | 9.89         |
|             | Mid           | 16QAM      | 8.97        | 10.10        |
|             | Mid           | 64QAM      | 8.98        | 10.34        |
|             | High          | QPSK       | 9.02        | 12.83        |
|             | High          | 16QAM      | 8.99        | 11.24        |
|             | High          | 64QAM      | 9.01        | 11.04        |
| 15          | Low           | QPSK       | 13.48       | 14.68        |
|             | Low           | 16QAM      | 13.49       | 14.56        |
|             | Low           | 64QAM      | 13.46       | 15.53        |
|             | Mid           | QPSK       | 13.47       | 14.71        |
|             | Mid           | 16QAM      | 13.48       | 15.20        |
|             | Mid           | 64QAM      | 13.46       | 13.52        |
|             | High          | QPSK       | 13.55       | 19.18        |
|             | High          | 16QAM      | 13.54       | 15.68        |
|             | High          | 64QAM      | 13.51       | 18.53        |
| 20          | Low           | QPSK       | 17.99       | 20.33        |
|             | Low           | 16QAM      | 17.96       | 19.54        |
|             | Low           | 64QAM      | 17.98       | 19.62        |
|             | Mid           | QPSK       | 17.97       | 19.34        |
|             | Mid           | 16QAM      | 17.94       | 19.61        |
|             | Mid           | 64QAM      | 17.95       | 19.26        |
|             | High          | QPSK       | 18.07       | 27.14        |
|             | High          | 16QAM      | 18.05       | 28.57        |
|             | High          | 64QAM      | 18.03       | 24.19        |



Band2 / 1.4MHz / Low CH / QPSK



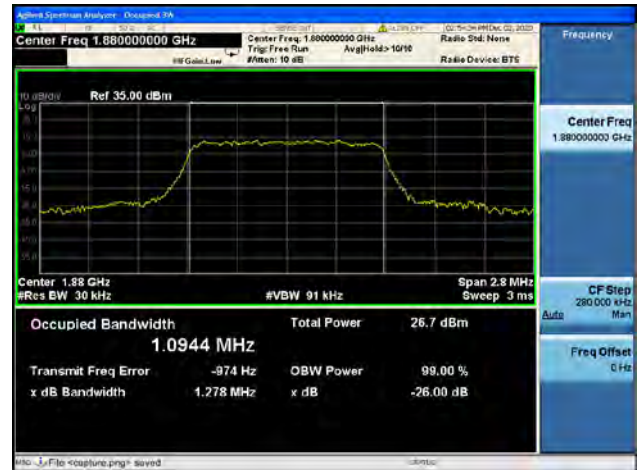
Band2 / 1.4MHz / Low CH / 16QAM



Band2 / 1.4MHz / Low CH / 64QAM



Band2 / 1.4MHz / Mid CH / QPSK



Band2 / 1.4MHz / Mid CH / 16QAM



Band2 / 1.4MHz / Mid CH / 64QAM

