

**LTE Band 48C**

| LTE Band 48C / 20MHz+20MHz / QPSK / Full RB |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|---------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                     | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                                      | 7120                 | -55.74          | -40              | -15.74                  | -53.91                  | -65.40                   | 1.84                       | 11.50                       | H                     |
|                                             | 10680                | -53.67          | -40              | -13.67                  | -56.33                  | -62.13                   | 2.23                       | 10.69                       | H                     |
|                                             | 14242                | -49.38          | -40              | -9.38                   | -58.15                  | -58.99                   | 2.65                       | 12.25                       | H                     |
|                                             | 21360                | -61.61          | -40              | -21.61                  | -76.14                  | -76.51                   | 3.33                       | 18.23                       | H                     |
|                                             | 24920                | -58.12          | -40              | -18.12                  | -76.4                   | -72.86                   | 3.71                       | 18.45                       | H                     |
|                                             | 28480                | -55.56          | -40              | -15.56                  | -76.07                  | -70.98                   | 3.99                       | 19.41                       | H                     |
|                                             | 7120                 | -54.76          | -40              | -14.76                  | -53.2                   | -64.42                   | 1.84                       | 11.50                       | V                     |
|                                             | 10680                | -53.95          | -40              | -13.95                  | -56.22                  | -62.41                   | 2.23                       | 10.69                       | V                     |
|                                             | 14242                | -49.60          | -40              | -9.60                   | -58.32                  | -59.21                   | 2.65                       | 12.25                       | V                     |
|                                             | 21360                | -61.82          | -40              | -21.82                  | -76.05                  | -76.72                   | 3.33                       | 18.23                       | V                     |
|                                             | 24920                | -59.09          | -40              | -19.09                  | -77.05                  | -73.83                   | 3.71                       | 18.45                       | V                     |
|                                             | 28480                | -56.23          | -40              | -16.23                  | -76.33                  | -71.65                   | 3.99                       | 19.41                       | V                     |
| Middle                                      | 7230                 | -56.75          | -40              | -16.75                  | -55.22                  | -66.21                   | 1.86                       | 11.32                       | H                     |
|                                             | 10845                | -52.62          | -40              | -12.62                  | -55.61                  | -61.00                   | 2.22                       | 10.59                       | H                     |
|                                             | 14462                | -49.66          | -40              | -9.66                   | -58.63                  | -59.16                   | 2.62                       | 12.12                       | H                     |
|                                             | 18075                | -60.65          | -40              | -20.65                  | -72.13                  | -75.02                   | 3.23                       | 17.60                       | H                     |
|                                             | 21690                | -60.34          | -40              | -20.34                  | -75.49                  | -75.51                   | 3.42                       | 18.59                       | H                     |
|                                             | 25305                | -58.47          | -40              | -18.47                  | -76.79                  | -73.46                   | 3.77                       | 18.77                       | H                     |
|                                             | 7230                 | -55.59          | -40              | -15.59                  | -54.41                  | -65.05                   | 1.86                       | 11.32                       | V                     |
|                                             | 10845                | -52.17          | -40              | -12.17                  | -54.93                  | -60.55                   | 2.22                       | 10.59                       | V                     |
|                                             | 14462                | -48.58          | -40              | -8.58                   | -57.98                  | -58.08                   | 2.62                       | 12.12                       | V                     |
|                                             | 18075                | -60.80          | -40              | -20.80                  | -71.98                  | -75.17                   | 3.23                       | 17.60                       | V                     |
|                                             | 21690                | -60.59          | -40              | -20.59                  | -75.41                  | -75.76                   | 3.42                       | 18.59                       | V                     |
|                                             | 25305                | -58.98          | -40              | -18.98                  | -77.01                  | -73.97                   | 3.77                       | 18.77                       | V                     |



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| Channel                                     | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Highest                                     | 7340                 | -55.47          | -40              | -15.47                  | -54.2                   | -64.93                   | 1.91                       | 11.37                       | H                     |
|                                             | 11010                | -53.03          | -40              | -13.03                  | -56.36                  | -61.34                   | 2.20                       | 10.51                       | H                     |
|                                             | 14681                | -49.63          | -40              | -9.63                   | -58.7                   | -59.53                   | 2.60                       | 12.50                       | H                     |
|                                             | 18351                | -61.69          | -40              | -21.69                  | -73.43                  | -76.05                   | 3.24                       | 17.60                       | H                     |
|                                             | 22021                | -61.16          | -40              | -21.16                  | -76.64                  | -76.54                   | 3.51                       | 18.90                       | H                     |
|                                             | 25692                | -58.02          | -40              | -18.02                  | -76.59                  | -73.19                   | 3.87                       | 19.04                       | H                     |
|                                             | 7340                 | -54.09          | -40              | -14.09                  | -53.01                  | -63.55                   | 1.91                       | 11.37                       | V                     |
|                                             | 11010                | -53.15          | -40              | -13.15                  | -56.4                   | -61.46                   | 2.20                       | 10.51                       | V                     |
|                                             | 14681                | -48.50          | -40              | -8.50                   | -58.43                  | -58.40                   | 2.60                       | 12.50                       | V                     |
|                                             | 18351                | -62.23          | -40              | -22.23                  | -73.72                  | -76.59                   | 3.24                       | 17.60                       | V                     |
|                                             | 22021                | -61.79          | -40              | -21.79                  | -76.9                   | -77.17                   | 3.51                       | 18.90                       | V                     |
|                                             | 25692                | -58.94          | -40              | -18.94                  | -77.22                  | -74.11                   | 3.87                       | 19.04                       | V                     |

**Remark:** Spurious emissions within 30-1000MHz were found more than 20dB below limit line.