

## **Appendix C. Maximum e.i.r.p. at any elevation angle above 30 degrees**

## 1. Maximum e.i.r.p. at any elevation angle above 30 degrees

Ant.2 Omni-Directional antenna / 7.3dBi

For 1TX

| Mode | Frequency | Modulation | Channel | Data Rate | Conducted<br>Pass Setting | Chain 5<br>(dBm) | Elevation angle<br>above 30°<br>Max gain (dBi) | Elevation angle<br>above 30°<br>Max EIRP (dBm) | EIRP<br>Power<br>Limit<br>(dBm) | Test Result |
|------|-----------|------------|---------|-----------|---------------------------|------------------|------------------------------------------------|------------------------------------------------|---------------------------------|-------------|
| SISO | 5180MHz   | OFDM       | Ch36    | 6Mbps     | 64                        | 15.20            | 5.677                                          | 20.88                                          | 21                              | Complies    |
|      | 5200MHz   | OFDM       | Ch40    | 6Mbps     | 64                        | 15.25            | 5.677                                          | 20.93                                          | 21                              | Complies    |
|      | 5240MHz   | OFDM       | Ch48    | 6Mbps     | 64                        | 15.16            | 5.677                                          | 20.84                                          | 21                              | Complies    |
|      | 5180MHz   | HT20       | Ch36    | MCS0      | 64                        | 15.22            | 5.677                                          | 20.90                                          | 21                              | Complies    |
|      | 5200MHz   | HT20       | Ch40    | MCS0      | 64                        | 15.26            | 5.677                                          | 20.94                                          | 21                              | Complies    |
|      | 5240MHz   | HT20       | Ch48    | MCS0      | 64                        | 15.17            | 5.677                                          | 20.85                                          | 21                              | Complies    |
|      | 5190MHz   | HT40       | Ch38    | MCS0      | 64                        | 15.29            | 5.677                                          | 20.97                                          | 21                              | Complies    |
|      | 5230MHz   | HT40       | Ch46    | MCS0      | 63                        | 15.30            | 5.677                                          | 20.98                                          | 21                              | Complies    |
|      | 5180MHz   | VHT20      | Ch36    | MCS0-Nss1 | 64                        | 15.19            | 5.677                                          | 20.87                                          | 21                              | Complies    |
|      | 5200MHz   | VHT20      | Ch40    | MCS0-Nss1 | 64                        | 15.29            | 5.677                                          | 20.97                                          | 21                              | Complies    |
|      | 5240MHz   | VHT20      | Ch48    | MCS0-Nss1 | 64                        | 15.16            | 5.677                                          | 20.84                                          | 21                              | Complies    |
|      | 5190MHz   | VHT40      | Ch38    | MCS0-Nss1 | 64                        | 15.28            | 5.677                                          | 20.96                                          | 21                              | Complies    |
|      | 5230MHz   | VHT40      | Ch46    | MCS0-Nss1 | 63                        | 15.25            | 5.677                                          | 20.93                                          | 21                              | Complies    |
|      | 5210MHz   | VHT80      | Ch42    | MCS0-Nss1 | 65                        | 15.27            | 5.677                                          | 20.95                                          | 21                              | Complies    |

## For 2TX

| Mode   | Frequency | Modulation | Channel | Data Rate | Conducted<br>Pass Setting | Chain 4<br>(dBm) | Chain 5<br>(dBm) | Total<br>(dBm) | Elevation<br>angle<br>above 30°<br>Max gain<br>(dBi) | Elevation<br>angle<br>above 30°<br>Max EIRP<br>(dBm) | EIRP<br>Power<br>Limit<br>(dBm) | Test Result |
|--------|-----------|------------|---------|-----------|---------------------------|------------------|------------------|----------------|------------------------------------------------------|------------------------------------------------------|---------------------------------|-------------|
| Non BF | 5180MHz   | OFDM       | Ch36    | 6Mbps     | 52                        | 12               | 12.43            | 15.23          | 5.677                                                | 20.91                                                | 21                              | Complies    |
|        | 5200MHz   | OFDM       | Ch40    | 6Mbps     | 52                        | 12.11            | 12.45            | 15.29          | 5.677                                                | 20.97                                                | 21                              | Complies    |
|        | 5240MHz   | OFDM       | Ch48    | 6Mbps     | 52                        | 12.13            | 12.4             | 15.28          | 5.677                                                | 20.95                                                | 21                              | Complies    |
|        | 5180MHz   | HT20       | Ch36    | MCS0      | 52                        | 12.01            | 12.44            | 15.24          | 5.677                                                | 20.92                                                | 21                              | Complies    |
|        | 5200MHz   | HT20       | Ch40    | MCS0      | 52                        | 12.12            | 12.46            | 15.30          | 5.677                                                | 20.98                                                | 21                              | Complies    |
|        | 5240MHz   | HT20       | Ch48    | MCS0      | 52                        | 12.13            | 12.41            | 15.28          | 5.677                                                | 20.96                                                | 21                              | Complies    |
|        | 5190MHz   | HT40       | Ch38    | MCS0      | 51                        | 11.99            | 12.26            | 15.14          | 5.677                                                | 20.81                                                | 21                              | Complies    |
|        | 5230MHz   | HT40       | Ch46    | MCS0      | 51                        | 12.07            | 12.35            | 15.22          | 5.677                                                | 20.90                                                | 21                              | Complies    |
|        | 5180MHz   | VHT20      | Ch36    | MCS0-Nss1 | 52                        | 12.01            | 12.44            | 15.24          | 5.677                                                | 20.92                                                | 21                              | Complies    |
|        | 5200MHz   | VHT20      | Ch40    | MCS0-Nss1 | 52                        | 12.12            | 12.46            | 15.30          | 5.677                                                | 20.98                                                | 21                              | Complies    |
|        | 5240MHz   | VHT20      | Ch48    | MCS0-Nss1 | 52                        | 12.13            | 12.41            | 15.28          | 5.677                                                | 20.96                                                | 21                              | Complies    |
|        | 5190MHz   | VHT40      | Ch38    | MCS0-Nss1 | 51                        | 12.06            | 12.26            | 15.17          | 5.677                                                | 20.85                                                | 21                              | Complies    |
|        | 5230MHz   | VHT40      | Ch46    | MCS0-Nss1 | 51                        | 12.23            | 12.36            | 15.31          | 5.677                                                | 20.98                                                | 21                              | Complies    |
|        | 5210MHz   | VHT80      | Ch42    | MCS0-Nss1 | 52                        | 11.99            | 12.54            | 15.28          | 5.677                                                | 20.96                                                | 21                              | Complies    |
| BF     | 5180MHz   | OFDM       | Ch36    | 6Mbps     | 39                        | 9.31             | 9.22             | 12.28          | 8.687                                                | 20.96                                                | 21                              | Complies    |
|        | 5200MHz   | OFDM       | Ch40    | 6Mbps     | 38                        | 8.88             | 9.13             | 12.02          | 8.687                                                | 20.70                                                | 21                              | Complies    |
|        | 5240MHz   | OFDM       | Ch48    | 6Mbps     | 39                        | 8.95             | 9.44             | 12.21          | 8.687                                                | 20.90                                                | 21                              | Complies    |
|        | 5180MHz   | VHT20      | Ch36    | MCS0-Nss1 | 39                        | 9.3              | 9.25             | 12.29          | 8.687                                                | 20.97                                                | 21                              | Complies    |
|        | 5200MHz   | VHT20      | Ch40    | MCS0-Nss1 | 38                        | 8.89             | 9.12             | 12.02          | 8.687                                                | 20.70                                                | 21                              | Complies    |
|        | 5240MHz   | VHT20      | Ch48    | MCS0-Nss1 | 39                        | 9.01             | 9.45             | 12.25          | 8.687                                                | 20.93                                                | 21                              | Complies    |
|        | 5190MHz   | VHT40      | Ch38    | MCS0-Nss1 | 39                        | 9.13             | 9.45             | 12.30          | 8.687                                                | 20.99                                                | 21                              | Complies    |
|        | 5230MHz   | VHT40      | Ch46    | MCS0-Nss1 | 38                        | 9.07             | 8.84             | 11.97          | 8.687                                                | 20.65                                                | 21                              | Complies    |
|        | 5210MHz   | VHT80      | Ch42    | MCS0-Nss1 | 40                        | 8.75             | 9.39             | 12.09          | 8.687                                                | 20.78                                                | 21                              | Complies    |
| STBC   | 5180MHz   | VHT20      | Ch36    | MCS0-Nss1 | 52                        | 11.94            | 12.44            | 15.21          | 5.677                                                | 20.88                                                | 21                              | Complies    |
|        | 5200MHz   | VHT20      | Ch40    | MCS0-Nss1 | 52                        | 12.01            | 12.43            | 15.24          | 5.677                                                | 20.91                                                | 21                              | Complies    |
|        | 5240MHz   | VHT20      | Ch48    | MCS0-Nss1 | 52                        | 12.07            | 12.23            | 15.16          | 5.677                                                | 20.84                                                | 21                              | Complies    |
|        | 5190MHz   | VHT40      | Ch38    | MCS0-Nss1 | 51                        | 11.88            | 12.36            | 15.14          | 5.677                                                | 20.81                                                | 21                              | Complies    |
|        | 5230MHz   | VHT40      | Ch46    | MCS0-Nss1 | 52                        | 11.87            | 12.54            | 15.23          | 5.677                                                | 20.91                                                | 21                              | Complies    |
|        | 5210MHz   | VHT80      | Ch42    | MCS0-Nss1 | 52                        | 11.93            | 12.52            | 15.25          | 5.677                                                | 20.92                                                | 21                              | Complies    |

## For 3TX

| Mode   | Frequency | Modulation | Channel | Data Rate | Conduct<br>ed Pass<br>Setting | Chain 4<br>(dBm) | Chain 5<br>(dBm) | Chain 6<br>(dBm) | Total<br>(dBm) | Elevation<br>angle<br>above 30°<br>Max gain<br>(dBi) | Elevation<br>angle<br>above 30°<br>Max EIRP<br>(dBm) | EIRP<br>Power<br>Limit<br>(dBm) | Test Result |
|--------|-----------|------------|---------|-----------|-------------------------------|------------------|------------------|------------------|----------------|------------------------------------------------------|------------------------------------------------------|---------------------------------|-------------|
| Non BF | 5180MHz   | OFDM       | Ch36    | 6Mbps     | 46                            | 10.05            | 10.61            | 10.34            | 15.11          | 5.677                                                | 20.79                                                | 21                              | Complies    |
|        | 5200MHz   | OFDM       | Ch40    | 6Mbps     | 46                            | 10.28            | 10.61            | 10.43            | 15.21          | 5.677                                                | 20.89                                                | 21                              | Complies    |
|        | 5240MHz   | OFDM       | Ch48    | 6Mbps     | 46                            | 10.22            | 10.8             | 10.13            | 15.16          | 5.677                                                | 20.84                                                | 21                              | Complies    |
|        | 5180MHz   | HT20       | Ch36    | MCS0      | 46                            | 10.06            | 10.66            | 10.38            | 15.14          | 5.677                                                | 20.82                                                | 21                              | Complies    |
|        | 5200MHz   | HT20       | Ch40    | MCS0      | 46                            | 10.33            | 10.6             | 10.22            | 15.16          | 5.677                                                | 20.83                                                | 21                              | Complies    |
|        | 5240MHz   | HT20       | Ch48    | MCS0      | 46                            | 10.25            | 10.82            | 10.2             | 15.20          | 5.677                                                | 20.88                                                | 21                              | Complies    |
|        | 5190MHz   | HT40       | Ch38    | MCS0      | 46                            | 10.12            | 10.83            | 10.55            | 15.28          | 5.677                                                | 20.96                                                | 21                              | Complies    |
|        | 5230MHz   | HT40       | Ch46    | MCS0      | 45                            | 10.07            | 10.94            | 10.11            | 15.16          | 5.677                                                | 20.84                                                | 21                              | Complies    |
|        | 5180MHz   | VHT20      | Ch36    | MCS0-Nss1 | 46                            | 10.04            | 10.63            | 10.43            | 15.14          | 5.677                                                | 20.82                                                | 21                              | Complies    |
|        | 5200MHz   | VHT20      | Ch40    | MCS0-Nss1 | 46                            | 10.26            | 10.6             | 10.25            | 15.14          | 5.677                                                | 20.82                                                | 21                              | Complies    |
|        | 5240MHz   | VHT20      | Ch48    | MCS0-Nss1 | 46                            | 10.23            | 10.81            | 10.2             | 15.19          | 5.677                                                | 20.87                                                | 21                              | Complies    |
|        | 5190MHz   | VHT40      | Ch38    | MCS0-Nss1 | 46                            | 10.05            | 10.85            | 10.44            | 15.23          | 5.677                                                | 20.91                                                | 21                              | Complies    |
|        | 5230MHz   | VHT40      | Ch46    | MCS0-Nss1 | 46                            | 10.08            | 11.01            | 10.31            | 15.26          | 5.677                                                | 20.93                                                | 21                              | Complies    |
|        | 5210MHz   | VHT80      | Ch42    | MCS0-Nss1 | 46                            | 10.33            | 10.67            | 10.53            | 15.28          | 5.677                                                | 20.96                                                | 21                              | Complies    |
| BF     | 5180MHz   | OFDM       | Ch36    | 6Mbps     | 26                            | 5.35             | 6.01             | 5.32             | 10.34          | 10.448                                               | 20.79                                                | 21                              | Complies    |
|        | 5200MHz   | OFDM       | Ch40    | 6Mbps     | 26                            | 5.22             | 5.98             | 5.44             | 10.33          | 10.448                                               | 20.78                                                | 21                              | Complies    |
|        | 5240MHz   | OFDM       | Ch48    | 6Mbps     | 26                            | 5.26             | 5.78             | 5.49             | 10.29          | 10.448                                               | 20.73                                                | 21                              | Complies    |
|        | 5180MHz   | VHT20      | Ch36    | MCS0-Nss1 | 26                            | 5.34             | 6                | 5.33             | 10.34          | 10.448                                               | 20.79                                                | 21                              | Complies    |
|        | 5200MHz   | VHT20      | Ch40    | MCS0-Nss1 | 26                            | 5.26             | 5.97             | 5.45             | 10.34          | 10.448                                               | 20.79                                                | 21                              | Complies    |
|        | 5240MHz   | VHT20      | Ch48    | MCS0-Nss1 | 26                            | 5.26             | 5.77             | 5.48             | 10.28          | 10.448                                               | 20.73                                                | 21                              | Complies    |
|        | 5190MHz   | VHT40      | Ch38    | MCS0-Nss1 | 26                            | 5.02             | 5.69             | 5.72             | 10.26          | 10.448                                               | 20.71                                                | 21                              | Complies    |
|        | 5230MHz   | VHT40      | Ch46    | MCS0-Nss1 | 26                            | 4.88             | 5.76             | 5.02             | 10.01          | 10.448                                               | 20.46                                                | 21                              | Complies    |
|        | 5210MHz   | VHT80      | Ch42    | MCS0-Nss1 | 26                            | 5.49             | 5.15             | 5.01             | 9.99           | 10.448                                               | 20.44                                                | 21                              | Complies    |
| STBC   | 5180MHz   | VHT20      | Ch36    | MCS0-Nss1 | 47                            | 10.13            | 10.83            | 10.46            | 15.25          | 5.677                                                | 20.93                                                | 21                              | Complies    |
|        | 5200MHz   | VHT20      | Ch40    | MCS0-Nss1 | 46                            | 10.22            | 10.33            | 10.41            | 15.09          | 5.677                                                | 20.77                                                | 21                              | Complies    |
|        | 5240MHz   | VHT20      | Ch48    | MCS0-Nss1 | 47                            | 10.24            | 10.78            | 10.34            | 15.23          | 5.677                                                | 20.91                                                | 21                              | Complies    |
|        | 5190MHz   | VHT40      | Ch38    | MCS0-Nss1 | 46                            | 10.01            | 10.68            | 10.51            | 15.18          | 5.677                                                | 20.86                                                | 21                              | Complies    |
|        | 5230MHz   | VHT40      | Ch46    | MCS0-Nss1 | 46                            | 10.11            | 10.98            | 10.41            | 15.29          | 5.677                                                | 20.96                                                | 21                              | Complies    |
|        | 5210MHz   | VHT80      | Ch42    | MCS0-Nss1 | 46                            | 10.17            | 10.54            | 10.58            | 15.21          | 5.677                                                | 20.88                                                | 21                              | Complies    |