

## U-NII-2C

| Mode                                       | Channel/<br>Frequency<br>(MHz) | Power Spectral Density  |                  |                         |                  |                        | Limit<br>(dBm/MHz) | Conclusion |
|--------------------------------------------|--------------------------------|-------------------------|------------------|-------------------------|------------------|------------------------|--------------------|------------|
|                                            |                                | ANT1                    |                  | ANT2                    |                  | Total PSD<br>(dBm/MHz) |                    |            |
|                                            |                                | Read Value<br>(dBm/MHz) | PSD<br>(dBm/MHz) | Read Value<br>(dBm/MHz) | PSD<br>(dBm/MHz) |                        |                    |            |
| 802.11be EHT40<br>52+26-Tones (L)          | 102/5510                       | 7.74                    | 7.74             | 7.40                    | 7.40             | 10.58                  | 11                 | PASS       |
| 802.11be EHT40<br>52+26-Tones(H)           | 134/5670                       | 8.10                    | 8.10             | 7.76                    | 7.76             | 10.94                  | 11                 | PASS       |
| 802.11be EHT40<br>106+26-Tones(L)          | 102/5510                       | 5.66                    | 5.66             | 5.32                    | 5.32             | 8.50                   | 11                 | PASS       |
| 802.11be EHT40<br>106+26-Tones(H)          | 134/5670                       | 6.32                    | 6.32             | 5.98                    | 5.98             | 9.16                   | 11                 | PASS       |
| 802.11be EHT80<br>484+242-Tones(L)         | 106/5530                       | -0.75                   | -0.75            | -0.47                   | -0.47            | 2.40                   | 11                 | PASS       |
| 802.11be EHT80<br>484+242-Tones(H)         | 122/5610                       | -0.58                   | -0.58            | -0.71                   | -0.71            | 2.37                   | 11                 | PASS       |
| 802.11be EHT80<br>484+484punc242-Tones(L)  | 106/5530                       | -0.46                   | -0.46            | -0.15                   | -0.15            | 2.71                   | 11                 | PASS       |
| 802.11be EHT80<br>484punc242+484-Tones(H)  | 122/5610                       | -0.32                   | -0.32            | -0.89                   | -0.89            | 2.41                   | 11                 | PASS       |
| 802.11be EHT160<br>996+996punc242-Tones(L) | 114/5570                       | -4.50                   | -4.32            | -4.92                   | -4.74            | -1.51                  | 11                 | PASS       |
| 802.11be EHT160<br>996+996punc242-Tones(H) | 114/5570                       | -3.88                   | -3.70            | -4.70                   | -4.52            | -1.08                  | 11                 | PASS       |
| 802.11be EHT160<br>996+484-Tones(L)        | 114/5570                       | -5.02                   | -5.02            | -5.42                   | -5.42            | -2.21                  | 11                 | PASS       |
| 802.11be EHT160<br>996+484-Tones(H)        | 114/5570                       | -4.93                   | -4.93            | -5.33                   | -5.33            | -2.12                  | 11                 | PASS       |
| 802.11be EHT160<br>996+996punc484-Tones(L) | 114/5570                       | -4.67                   | -4.50            | -4.98                   | -4.81            | -1.64                  | 11                 | PASS       |
| 802.11be EHT160<br>996punc484+996-Tones(H) | 114/5570                       | -4.13                   | -3.96            | -4.60                   | -4.43            | -1.18                  | 11                 | PASS       |

Note: 1. Power Spectral Density =Read Value + Duty cycle correction factor

2.For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),

the power spectral density= $10\log(10^{(\text{PSD ANT1 in dBm}/10)}+10^{(\text{PSD ANT2 in dBm}/10)})$

3. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f(ii): If antenna gains are not equal, the user may use either of the following methods to calculate directional gain, provided that each transmit antenna is driven by only one spatial stream: Directional gain may be calculated by using the formulas applicable to equal gain antennas with  $G_{\text{ANT}}$  set equal to the gain of the antenna having the Highest gain.

Directional gain =  $G_{\text{ANTMAX}}$ + Array Gain, For PSD measurements on all devices, Array Gain= $10\log(N_{\text{ant}}/N_{\text{ss}})$ dB,

so directional gain= $G_{\text{ANT MAX}}$ + Array Gain= $2.55+10\log(2/1)=5.56<6$  dBi. So the PSD limit is 11dBm.

## U-NII-3

| Mode                                      | Channel/<br>Frequency<br>(MHz) | Power Spectral Density            |                         |                                   |                         |                               | Limit<br>(dBm/<br>500kHz) | Conclusion |
|-------------------------------------------|--------------------------------|-----------------------------------|-------------------------|-----------------------------------|-------------------------|-------------------------------|---------------------------|------------|
|                                           |                                | ANT1                              |                         | ANT2                              |                         | Total PSD<br>(dBm/<br>500kHz) |                           |            |
|                                           |                                | Read<br>Value<br>(dBm/<br>470kHz) | PSD<br>(dBm/<br>500kHz) | Read<br>Value<br>(dBm/<br>470kHz) | PSD<br>(dBm/<br>500kHz) |                               |                           |            |
| 802.11be EHT40<br>52+26-Tones(L)          | 151/5755                       | 6.99                              | 7.26                    | 7.17                              | 7.44                    | 10.36                         | 30                        | PASS       |
| 802.11be EHT40<br>52+26-Tones(H)          | 159/5795                       | 7.40                              | 7.67                    | 7.02                              | 7.29                    | 10.49                         | 30                        | PASS       |
| 802.11be EHT40<br>106+26-Tones(L)         | 151/5755                       | 5.06                              | 5.33                    | 4.78                              | 5.05                    | 8.20                          | 30                        | PASS       |
| 802.11be EHT40<br>106+26-Tones(H)         | 159/5795                       | 5.11                              | 5.38                    | 4.91                              | 5.18                    | 8.29                          | 30                        | PASS       |
| 802.11be EHT80<br>484+242-Tones(L)        | 155/5775                       | -3.25                             | -2.98                   | -3.85                             | -3.58                   | -0.26                         | 30                        | PASS       |
| 802.11be EHT80<br>484+242-Tones(H)        | 155/5775                       | -2.85                             | -2.58                   | -3.53                             | -3.26                   | 0.10                          | 30                        | PASS       |
| 802.11be EHT80<br>484+484punc242-Tones(H) | 155/5775                       | -3.17                             | -2.90                   | -3.70                             | -3.43                   | -0.15                         | 30                        | PASS       |
| 802.11be EHT80<br>484punc242+484-Tones(L) | 155/5775                       | -3.18                             | -2.91                   | -3.76                             | -3.49                   | -0.18                         | 30                        | PASS       |

Note:1. Power Spectral Density =Read Value + Duty cycle correction factor +10\*log(500/470).

2.For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),  
the power spectral density= $10\log(10^{(\text{PSD ANT1 in dBm}/10)}+10^{(\text{PSD ANT2 in dBm}/10)})$

3. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f(ii): If antenna gains are not equal, the user may use either of the following methods to calculate directional gain, provided that each transmit antenna is driven by only one spatial stream: Directional gain may be calculated by using the formulas applicable to equal gain antennas with  $G_{\text{ANT}}$  set equal to the gain of the antenna having the Highest gain.

Directional gain =  $G_{\text{ANTMAX}}$ + Array Gain, For PSD measurements on all devices, Array Gain= $10\log(N_{\text{ant}}/N_{\text{ss}})$ dB,  
so directional gain= $G_{\text{ANT MAX}}$ + Array Gain= $2.55+10\log(2/1)=5.56<6$  dBi. So the PSD limit is 30dBm.

11A\_Ant1\_5180



11A\_Ant2\_5180



11A\_Ant1\_5200



11A\_Ant2\_5200



11A\_Ant1\_5240



11A\_Ant2\_5240



11A\_Ant1\_5260



11A\_Ant2\_5260



11A\_Ant1\_5280



11A\_Ant2\_5280



11A\_Ant1\_5320



11A\_Ant2\_5320



11A\_Ant1\_5500



11A\_Ant2\_5500



11A\_Ant1\_5580



11A\_Ant2\_5580



11A\_Ant1\_5700



11A\_Ant2\_5700





11A\_Ant1\_5720\_UNII-2C



11A\_Ant2\_5720\_UNII-2C



11A\_Ant1\_5720\_UNII-3



11A\_Ant2\_5720\_UNII-3



11A\_Ant1\_5745



11A\_Ant2\_5745



## 11A\_Ant1\_5785



## 11A\_Ant2\_5785



## 11A\_Ant1\_5825



11A\_Ant2\_5825



11N20SISO\_Ant1\_5180



11N20SISO\_Ant2\_5180



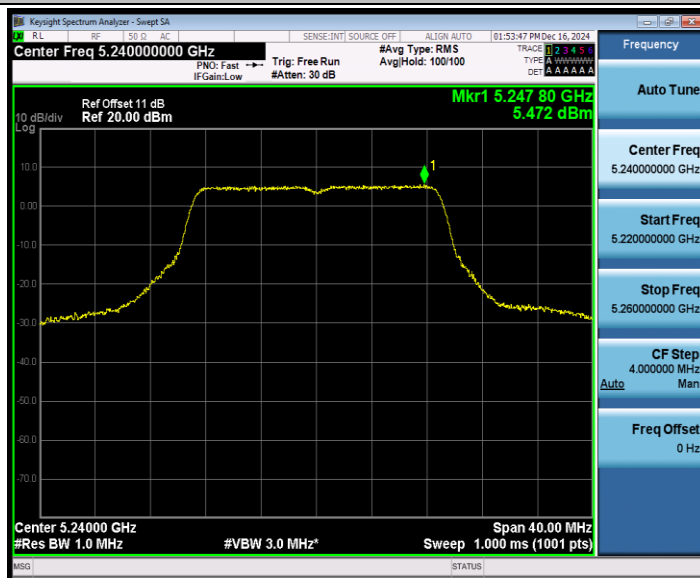
11N20SISO\_Ant1\_5200



11N20SISO\_Ant2\_5200



11N20SISO\_Ant1\_5240



11N20SISO\_Ant2\_5240



11N20SISO\_Ant1\_5260



11N20SISO\_Ant2\_5260



11N20SISO\_Ant1\_5280



11N20SISO\_Ant2\_5280



11N20SISO\_Ant1\_5320



11N20SISO\_Ant2\_5320



11N20SISO\_Ant1\_5500

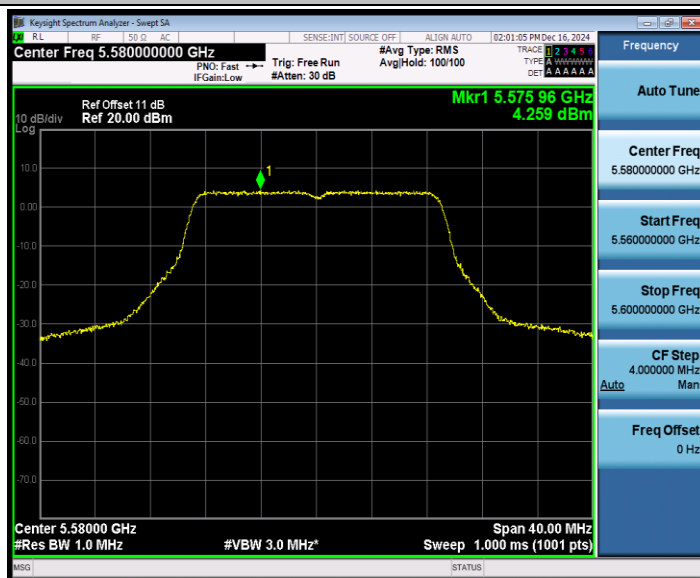


11N20SISO\_Ant2\_5500





11N20SISO\_Ant1\_5580



11N20SISO\_Ant2\_5580



11N20SISO\_Ant1\_5700



11N20SISO\_Ant2\_5700



11N20SISO\_Ant1\_5720\_UNII-2C



11N20SISO\_Ant2\_5720\_UNII-2C

