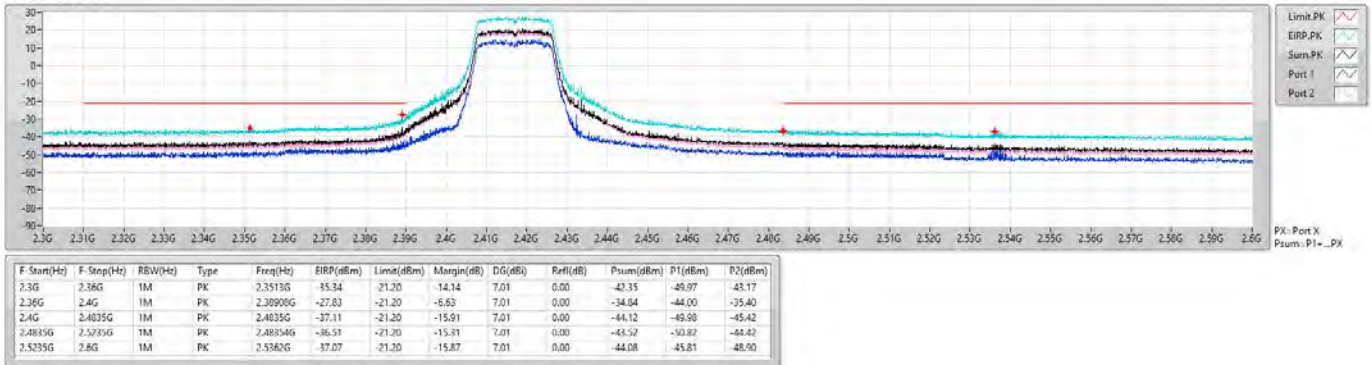


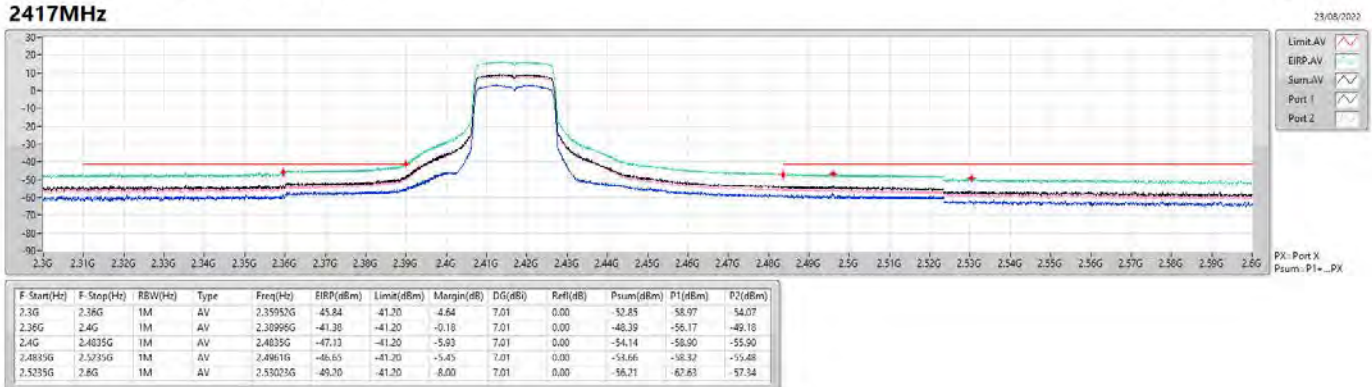
**802.11ax HEW20\_Nss1,(MCS0)\_2TX**  
**2417MHz**

**CSE Bandedge [PK]**



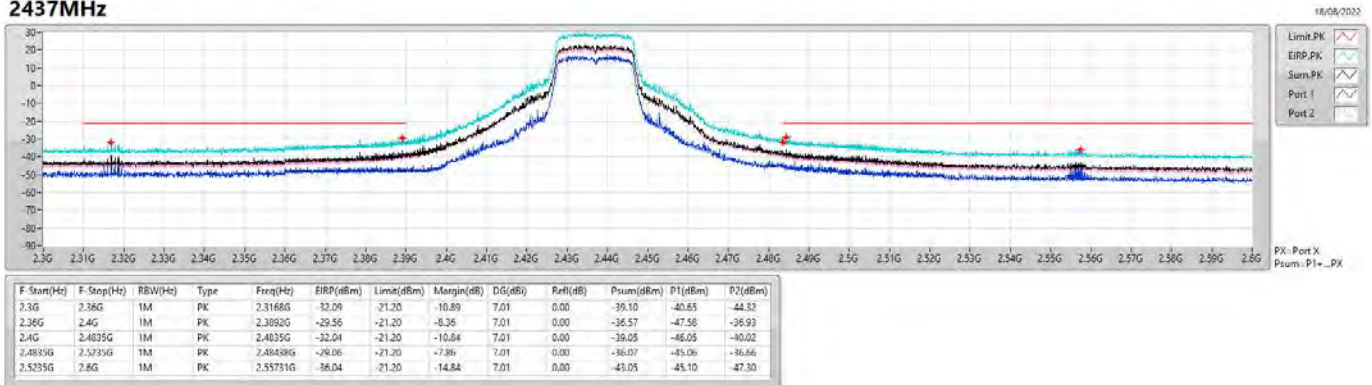
**802.11ax HEW20\_Nss1,(MCS0)\_2TX**  
**2417MHz**

**CSE Bandedge [AV]**



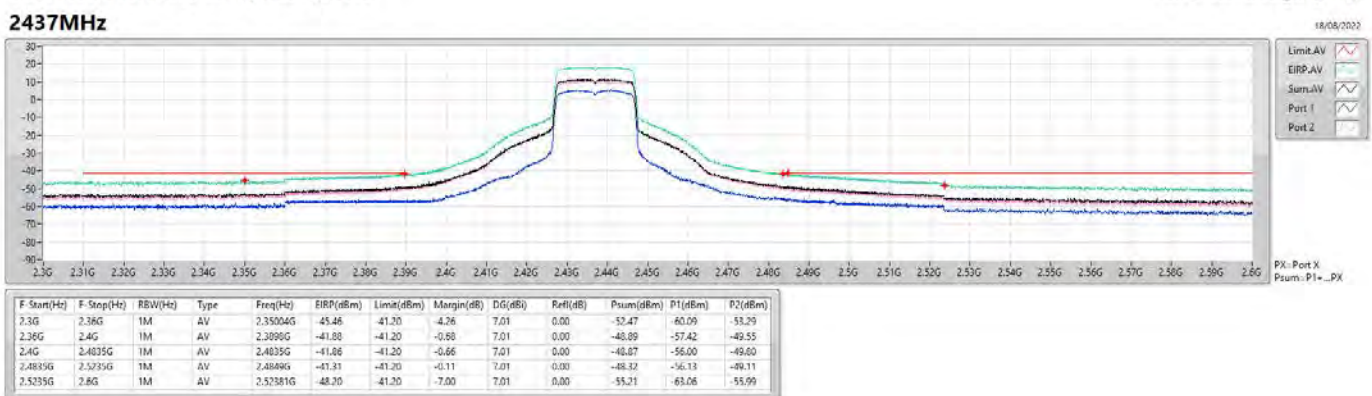
**802.11ax HEW20\_Nss1,(MCS0)\_2TX**  
**2437MHz**

**CSE Bandedge [PK]**



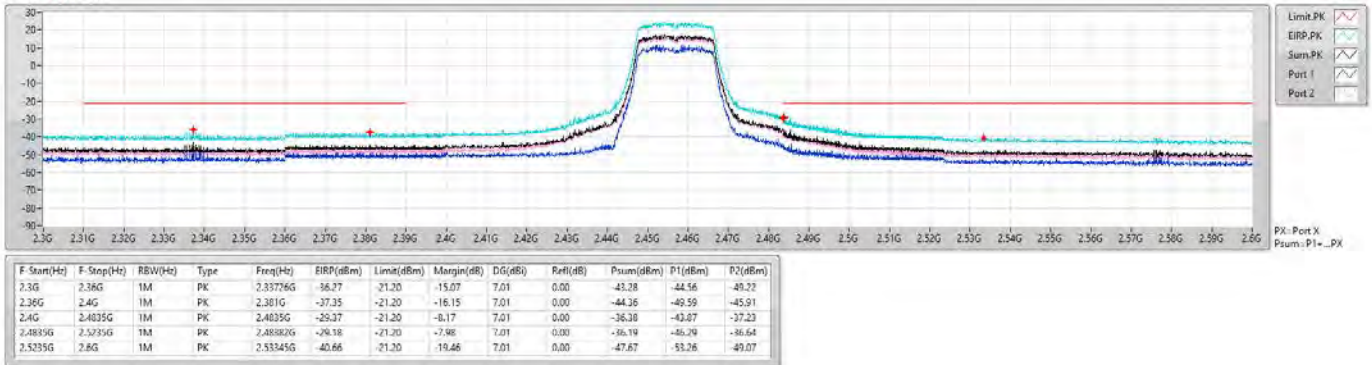
**802.11ax HEW20\_Nss1,(MCS0)\_2TX**  
**2437MHz**

**CSE Bandedge [AV]**



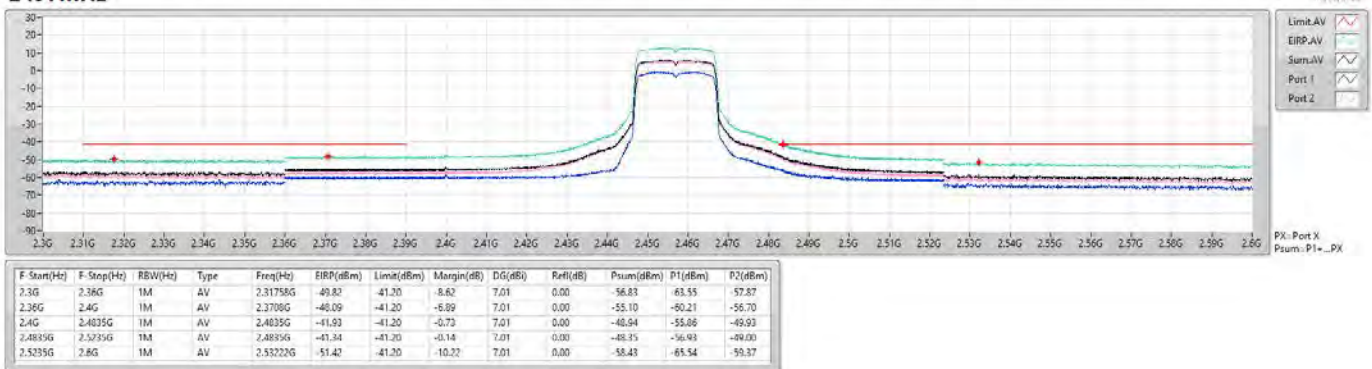
**802.11ax HEW20\_Nss1,(MCS0)\_2TX  
2457MHz**

**CSE Bandedge [PK]**



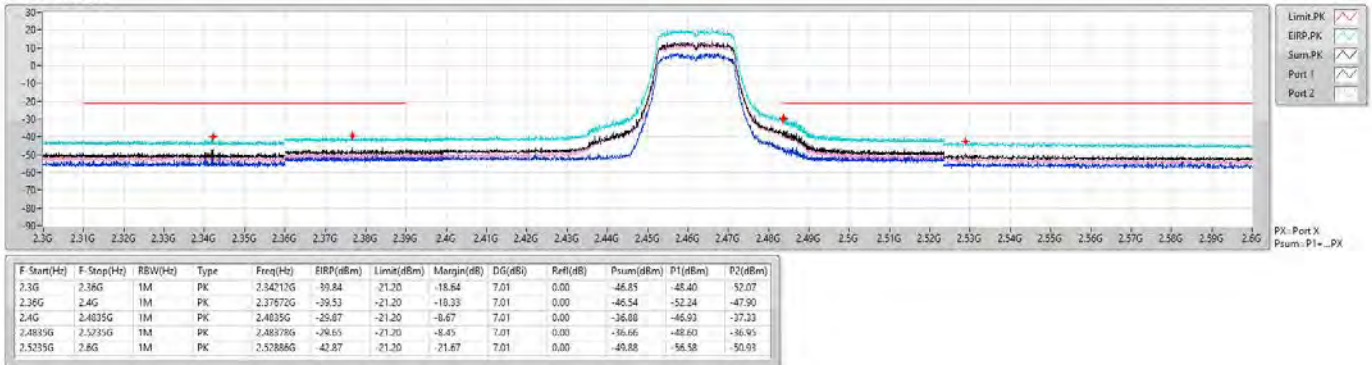
**802.11ax HEW20\_Nss1,(MCS0)\_2TX  
2457MHz**

**CSE Bandedge [AV]**



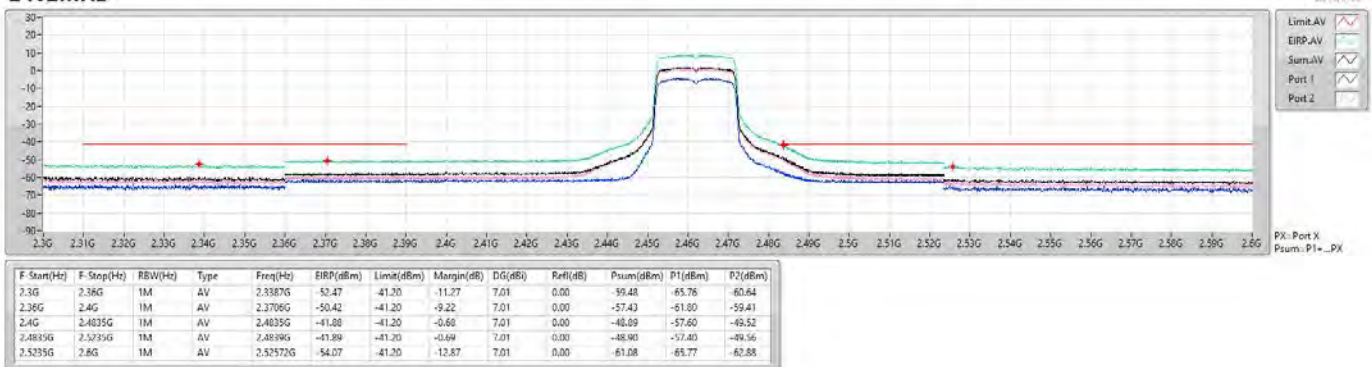
**802.11ax HEW20\_Nss1,(MCS0)\_2TX**  
**2462MHz**

**CSE Bandedge [PK]**



**802.11ax HEW20\_Nss1,(MCS0)\_2TX**  
**2462MHz**

**CSE Bandedge [AV]**

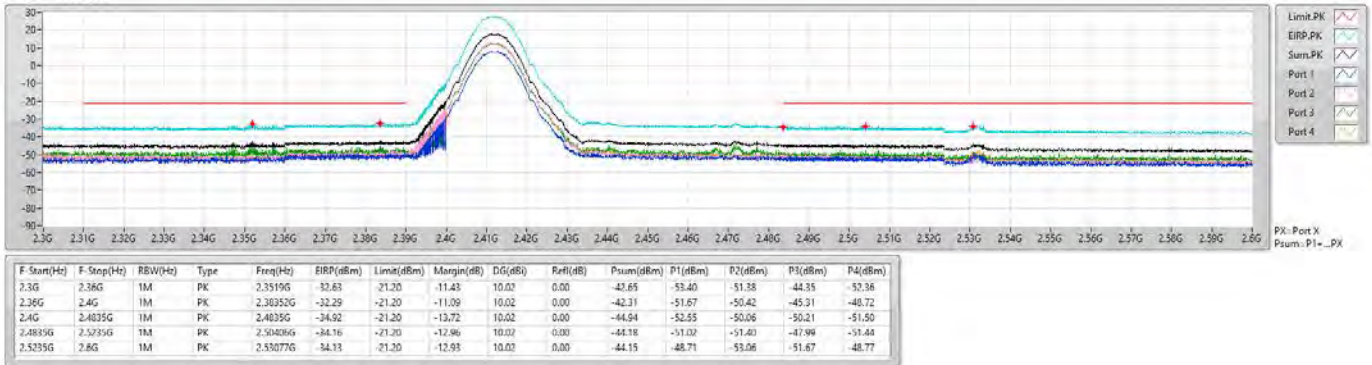


802.11b\_Nss1,(1Mbps)\_4TX

2412MHz

CSE Bandedge [PK]

23/08/2022

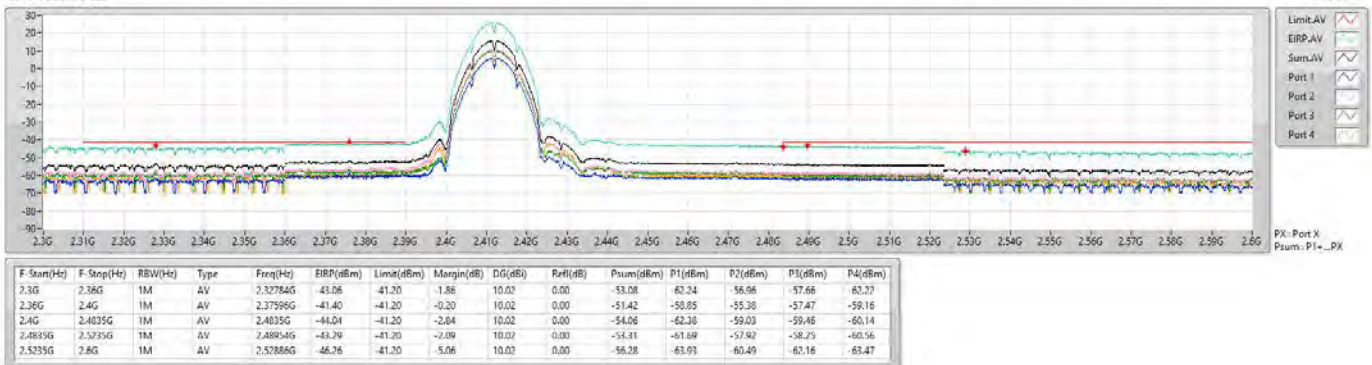


802.11b\_Nss1,(1Mbps)\_4TX

2412MHz

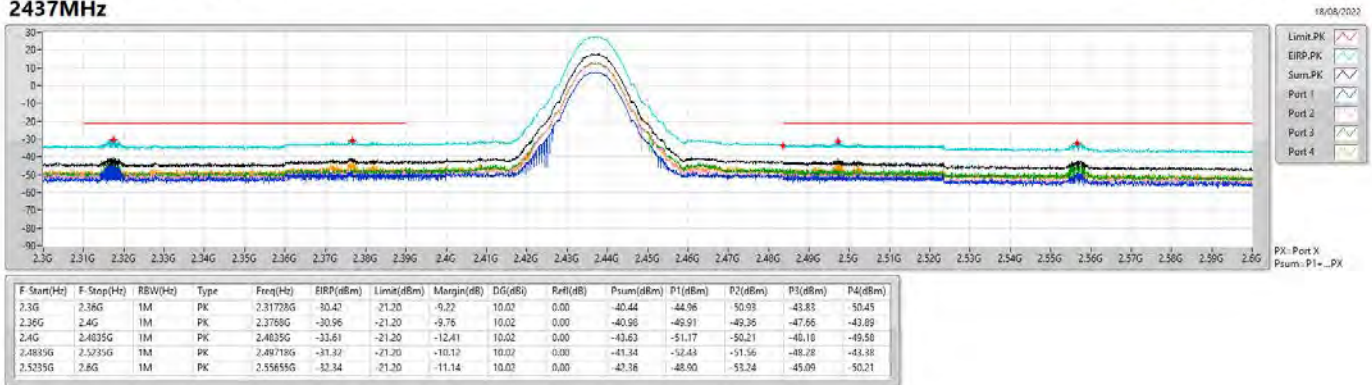
CSE Bandedge [AV]

23/08/2022



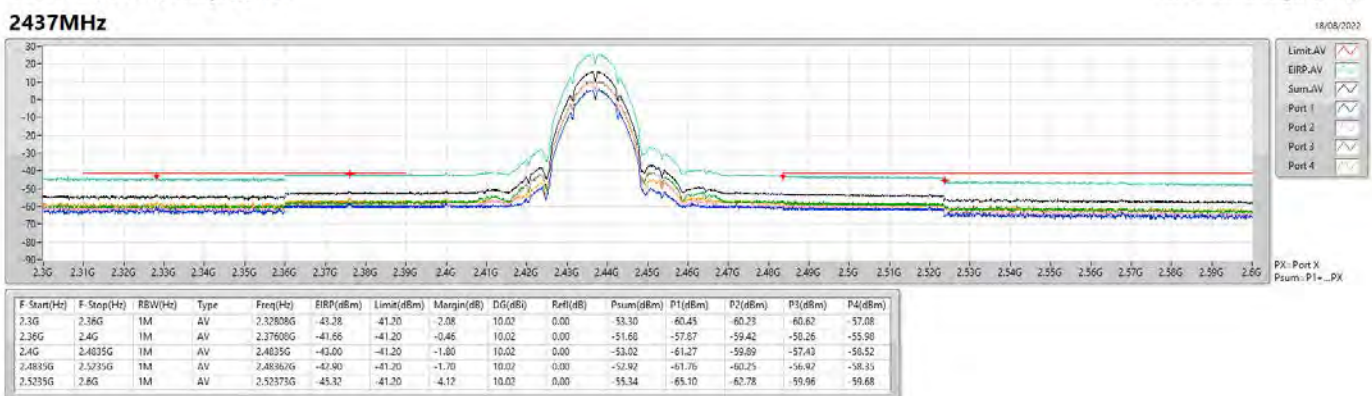
**802.11b\_Nss1,(1Mbps)\_4TX**  
**2437MHz**

**CSE Bandedge [PK]**



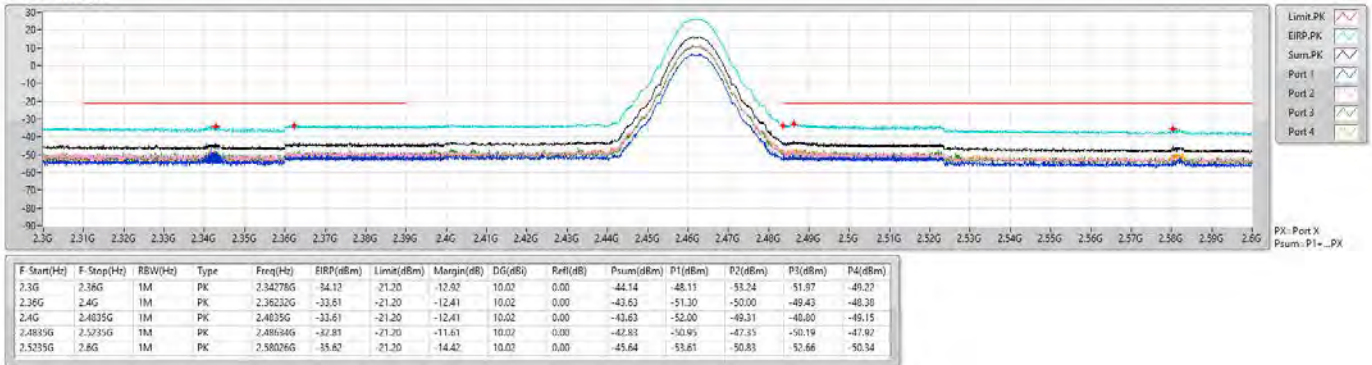
**802.11b\_Nss1,(1Mbps)\_4TX**  
**2437MHz**

**CSE Bandedge [AV]**



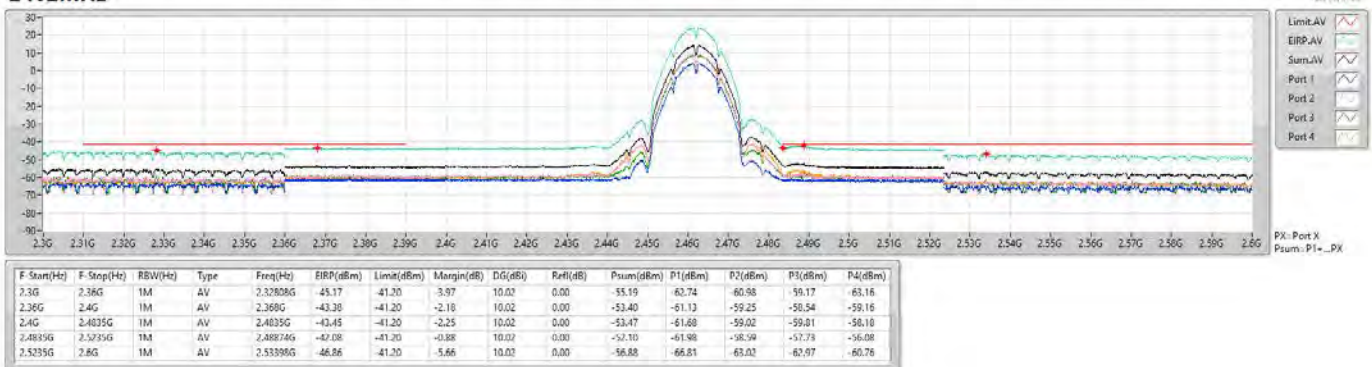
**802.11b\_Nss1,(1Mbps)\_4TX**  
**2462MHz**

**CSE Bandedge [PK]**



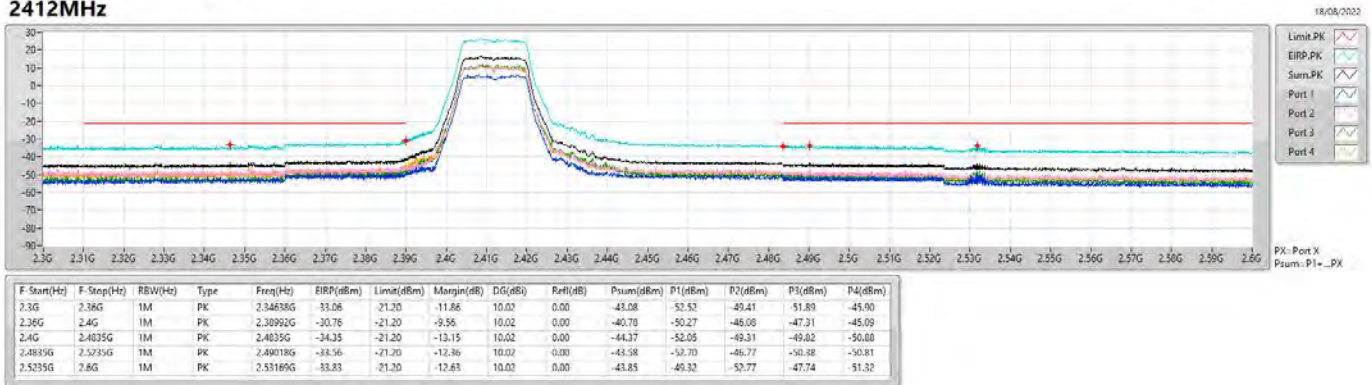
**802.11b\_Nss1,(1Mbps)\_4TX**  
**2462MHz**

**CSE Bandedge [AV]**



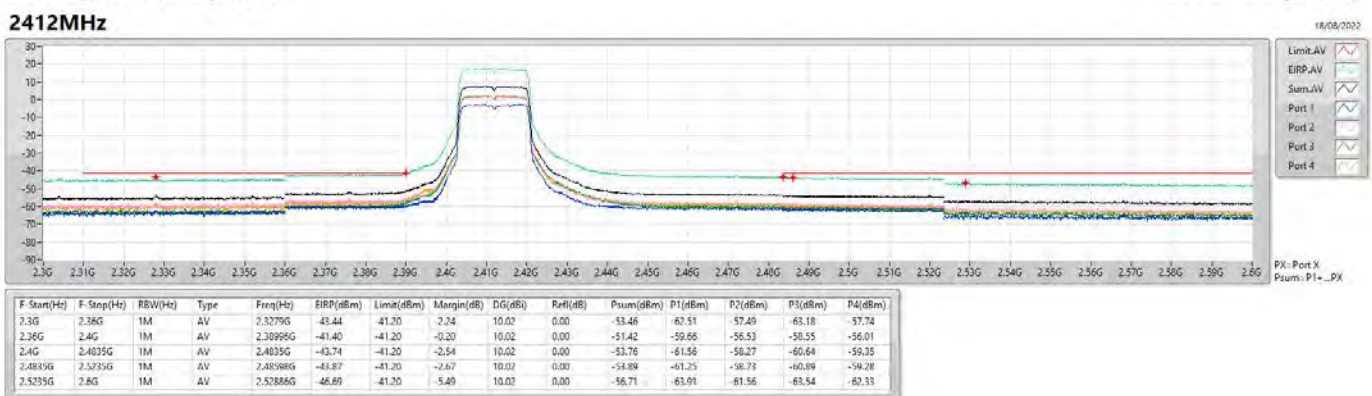
**802.11g\_Nss1,(6Mbps)\_4TX**  
**2412MHz**

**CSE Bandedge [PK]**



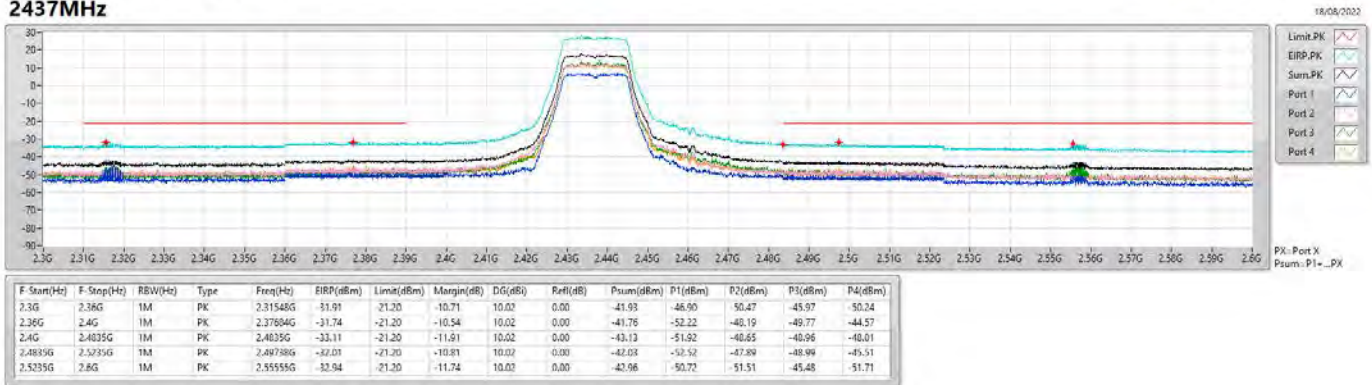
**802.11g\_Nss1,(6Mbps)\_4TX**  
**2412MHz**

**CSE Bandedge [AV]**



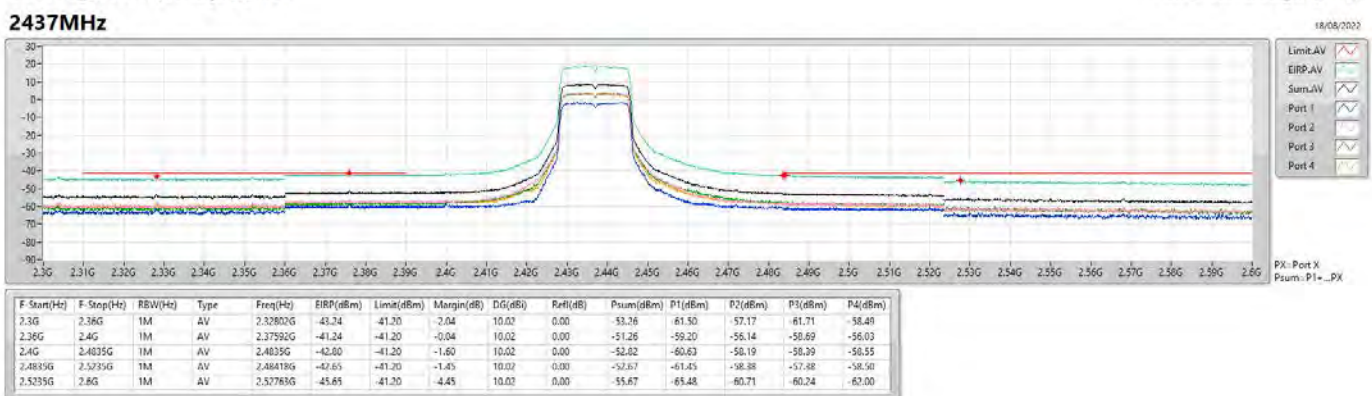
**802.11g\_Nss1,(6Mbps)\_4TX**  
**2437MHz**

**CSE Bandedge [PK]**



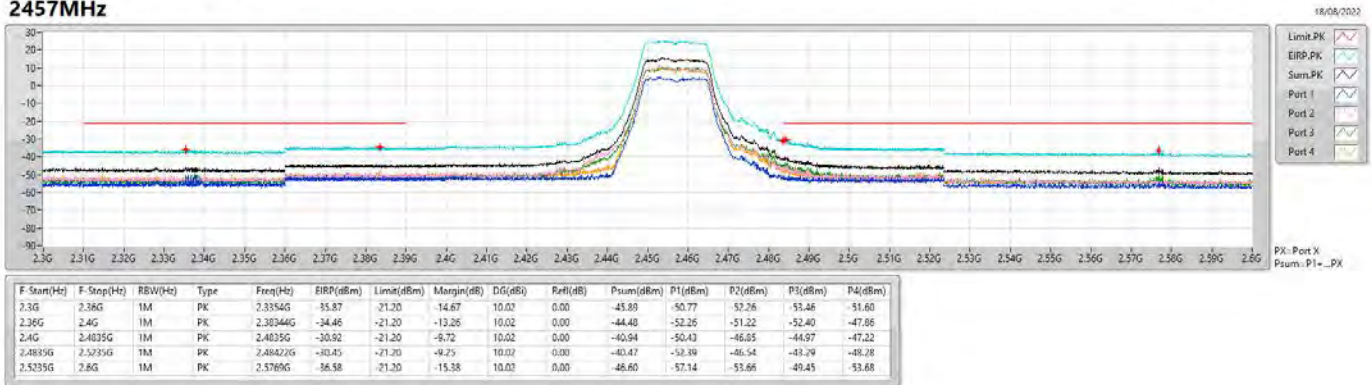
**802.11g\_Nss1,(6Mbps)\_4TX**  
**2437MHz**

**CSE Bandedge [AV]**



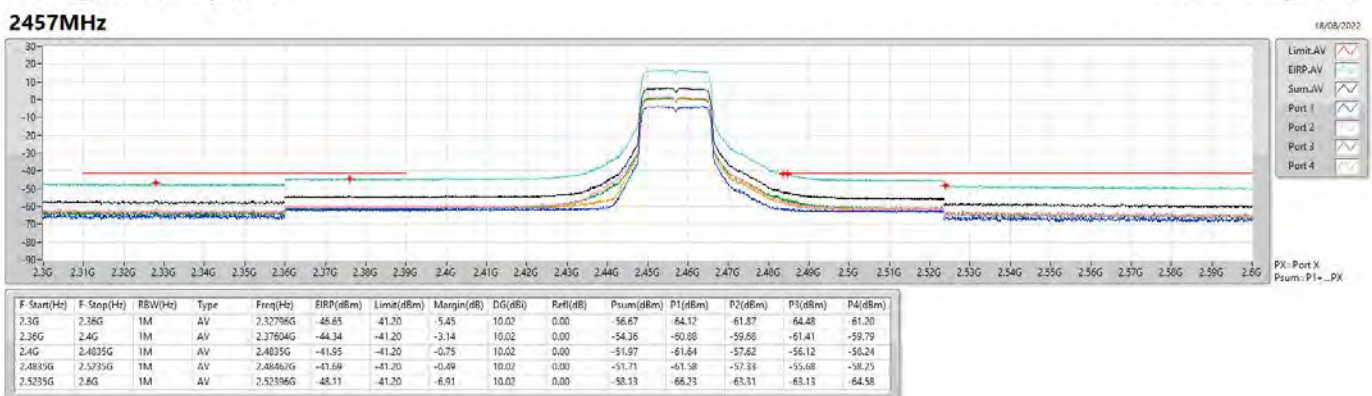
**802.11g\_Nss1,(6Mbps)\_4TX**  
**2457MHz**

**CSE Bandedge [PK]**



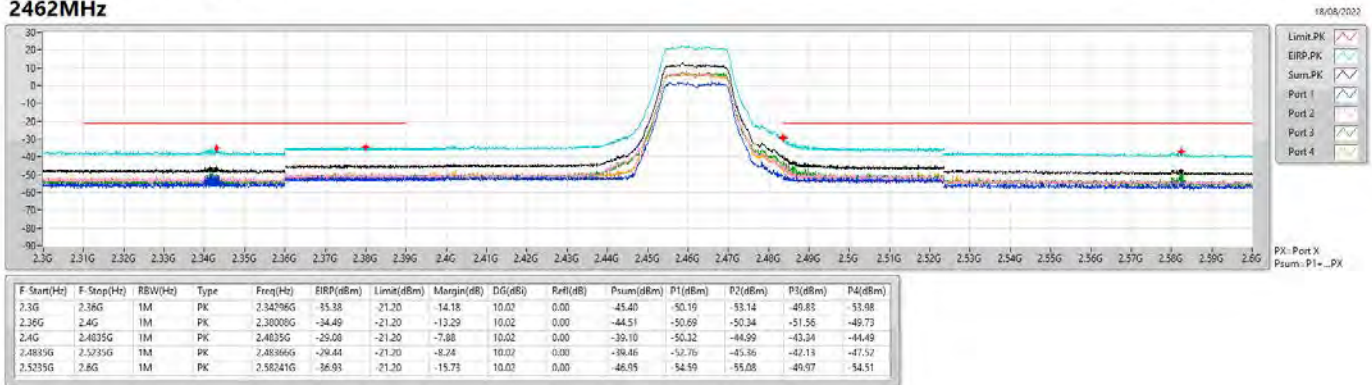
**802.11g\_Nss1,(6Mbps)\_4TX**  
**2457MHz**

**CSE Bandedge [AV]**



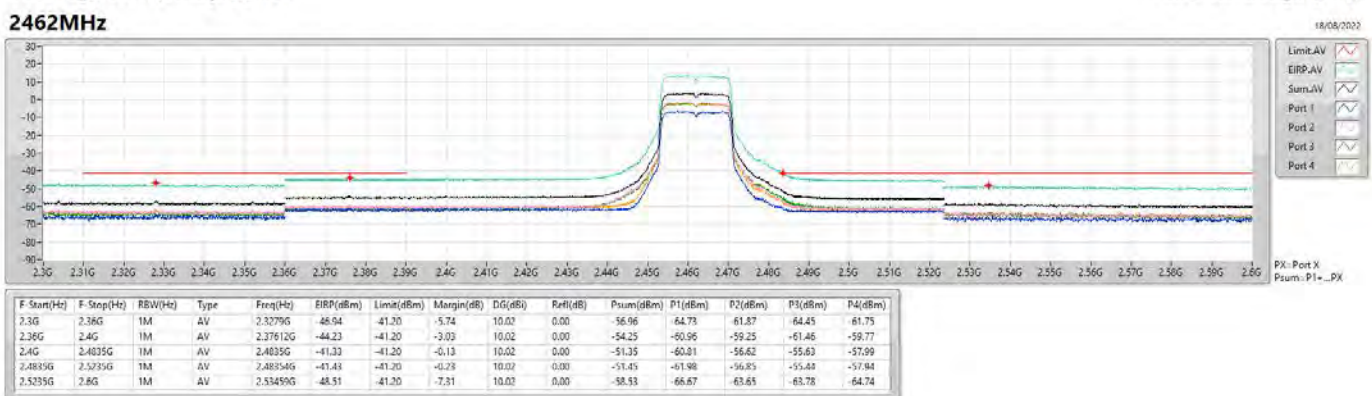
**802.11g\_Nss1,(6Mbps)\_4TX**  
**2462MHz**

**CSE Bandedge [PK]**



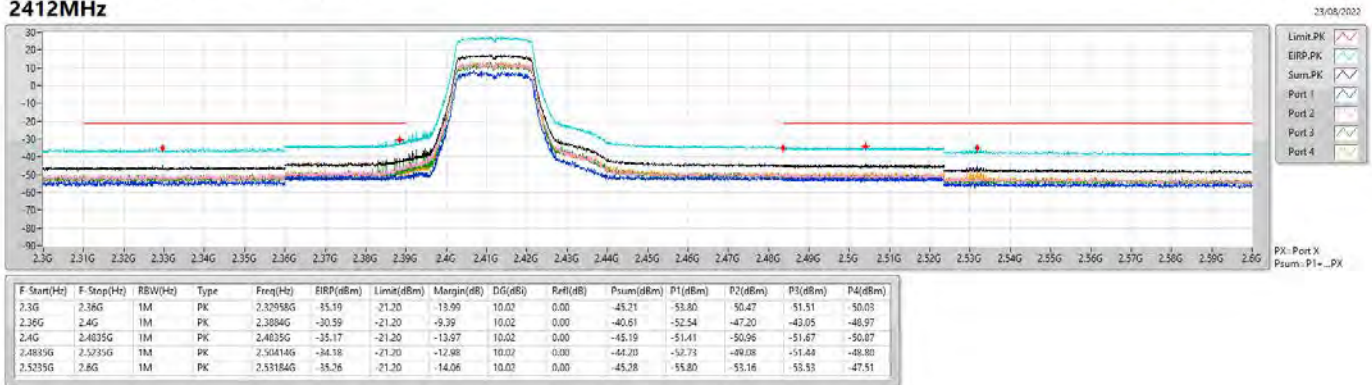
**802.11g\_Nss1,(6Mbps)\_4TX**  
**2462MHz**

**CSE Bandedge [AV]**



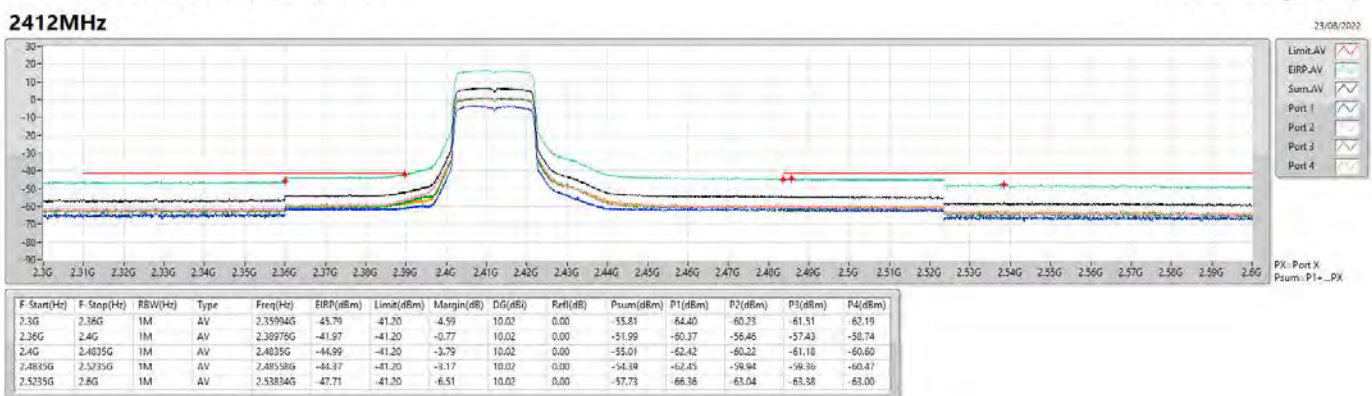
**802.11ax HEW20\_Nss1,(MCS0)\_4TX**  
**2412MHz**

**CSE Bandedge [PK]**



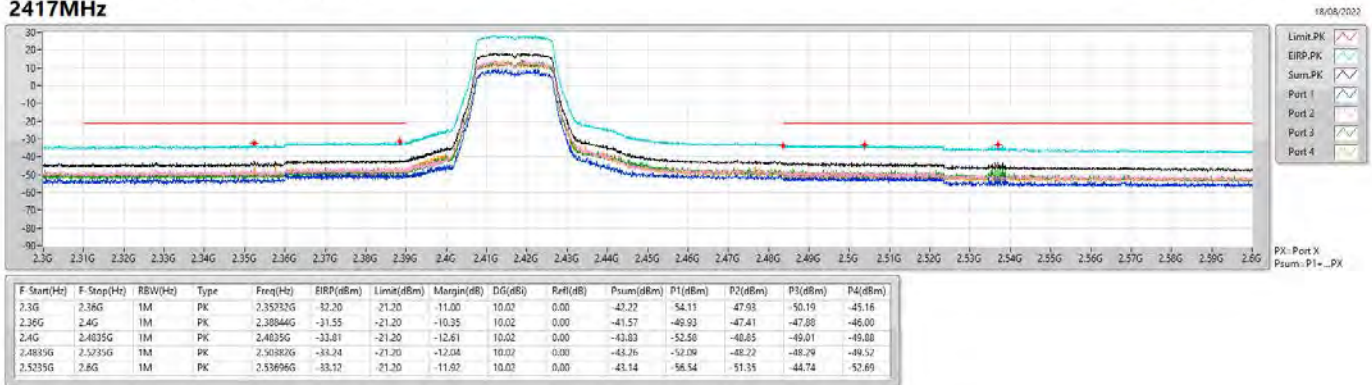
**802.11ax HEW20\_Nss1,(MCS0)\_4TX**  
**2412MHz**

**CSE Bandedge [AV]**



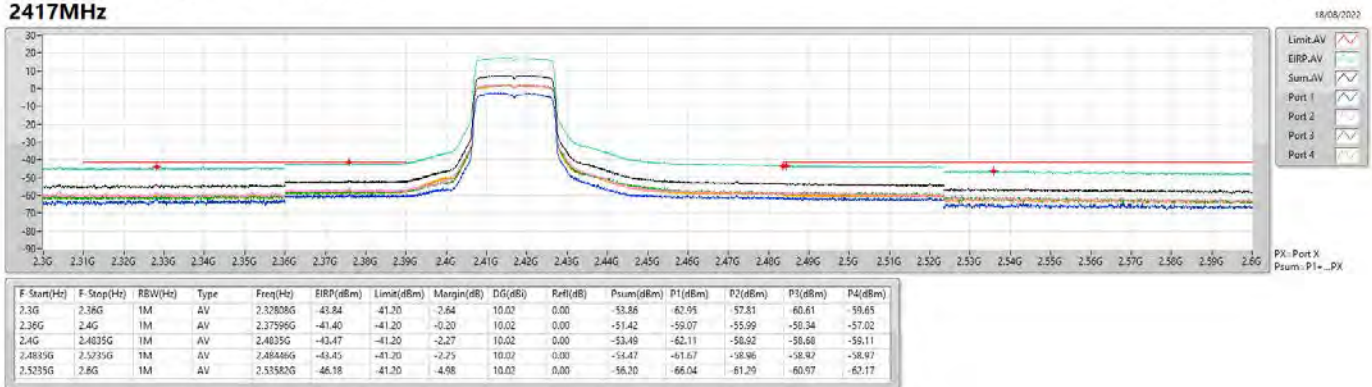
**802.11ax HEW20\_Nss1,(MCS0)\_4TX  
2417MHz**

**CSE Bandedge [PK]**



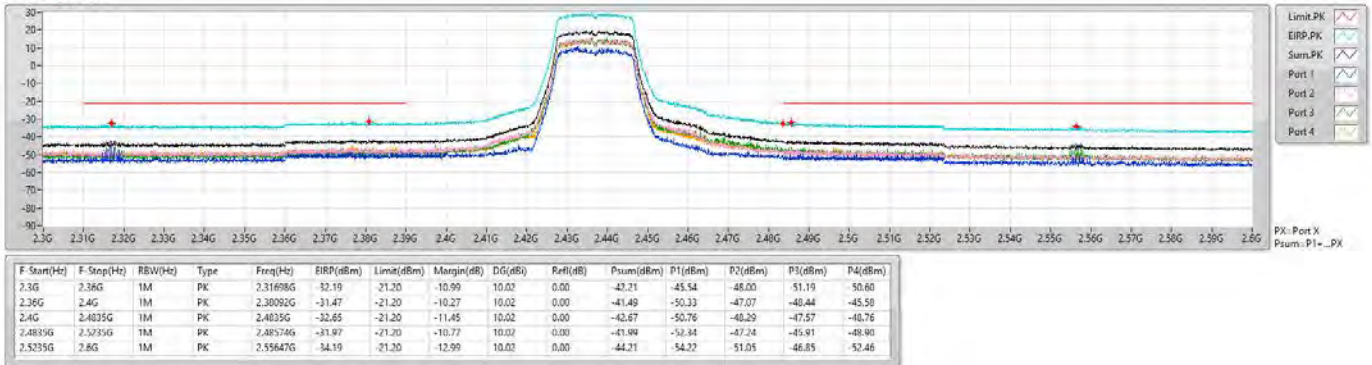
**802.11ax HEW20\_Nss1,(MCS0)\_4TX  
2417MHz**

**CSE Bandedge [AV]**



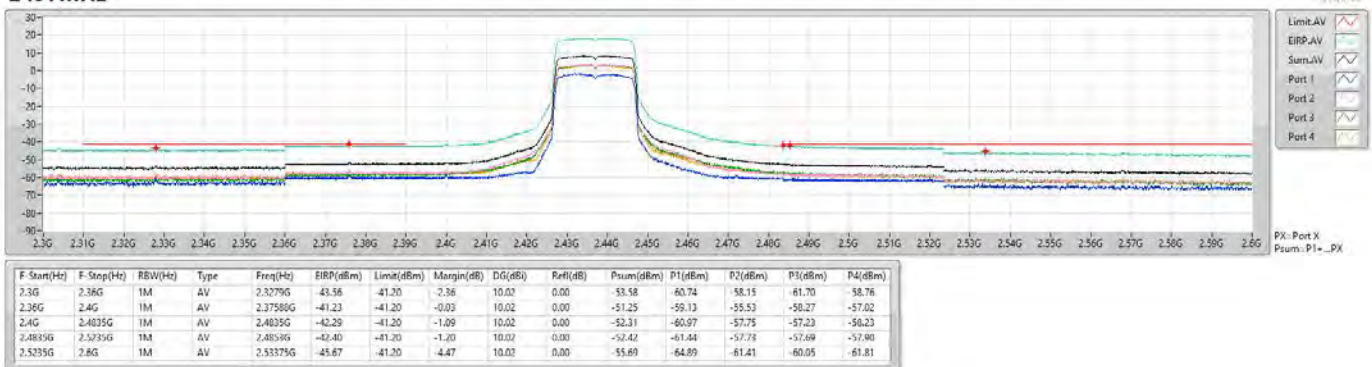
**802.11ax HEW20\_Nss1,(MCS0)\_4TX**  
**2437MHz**

**CSE Bandedge [PK]**



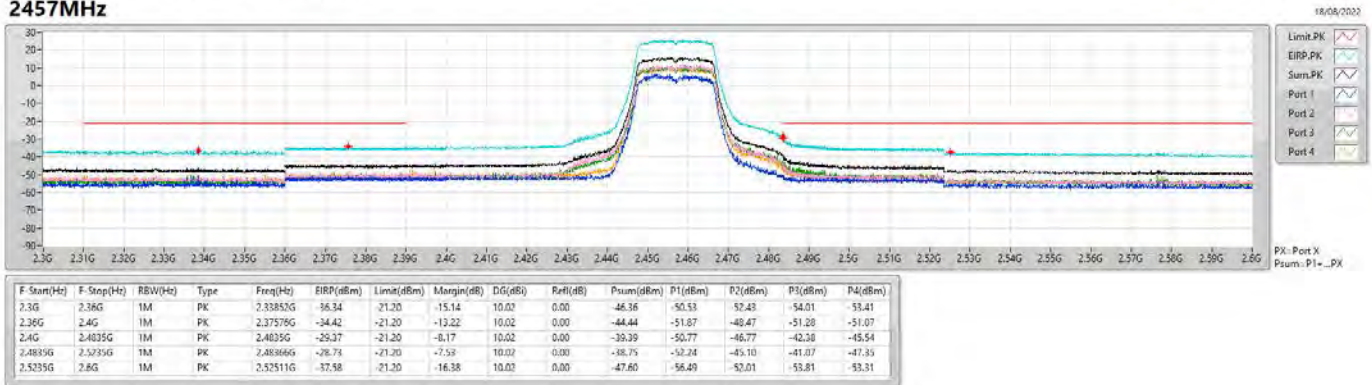
**802.11ax HEW20\_Nss1,(MCS0)\_4TX**  
**2437MHz**

**CSE Bandedge [AV]**



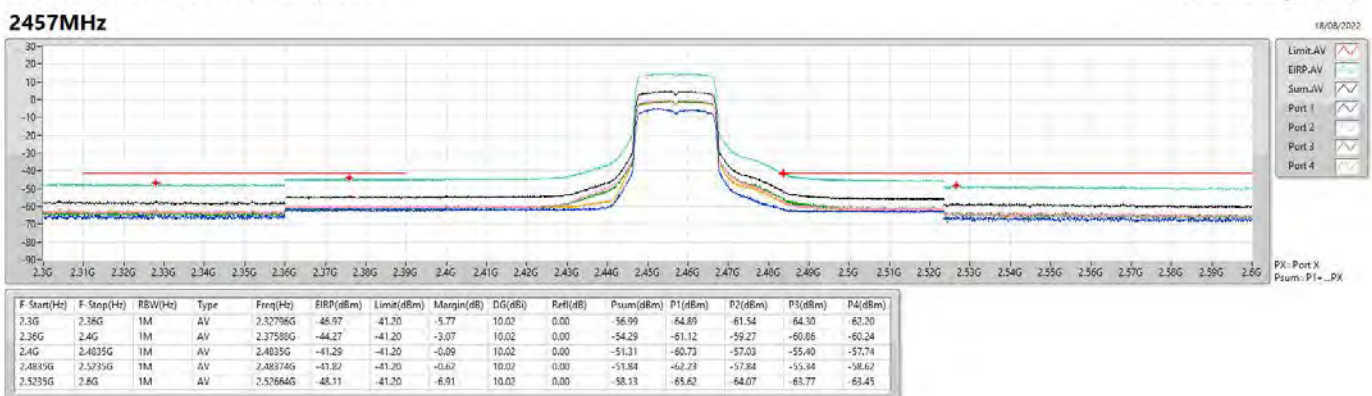
**802.11ax HEW20\_Nss1,(MCS0)\_4TX**  
**2457MHz**

**CSE Bandedge [PK]**



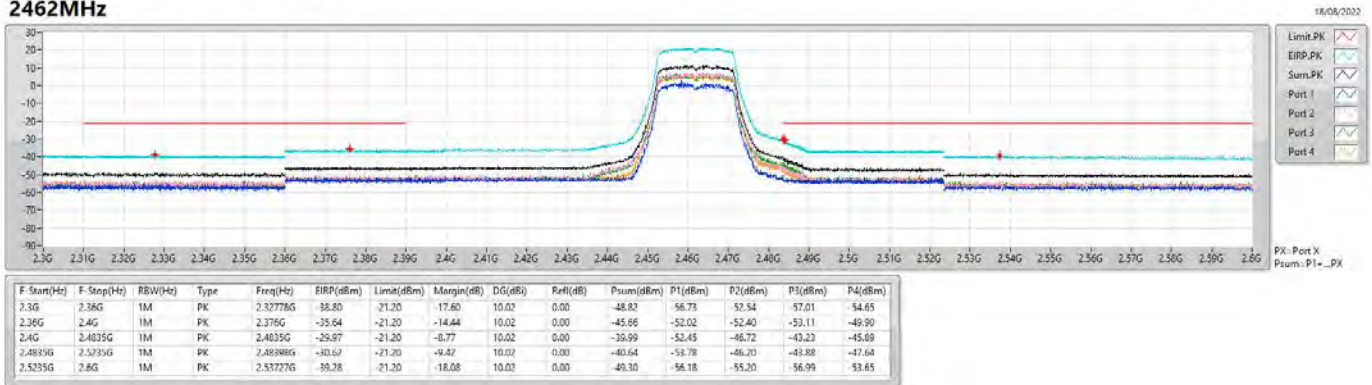
**802.11ax HEW20\_Nss1,(MCS0)\_4TX**  
**2457MHz**

**CSE Bandedge [AV]**



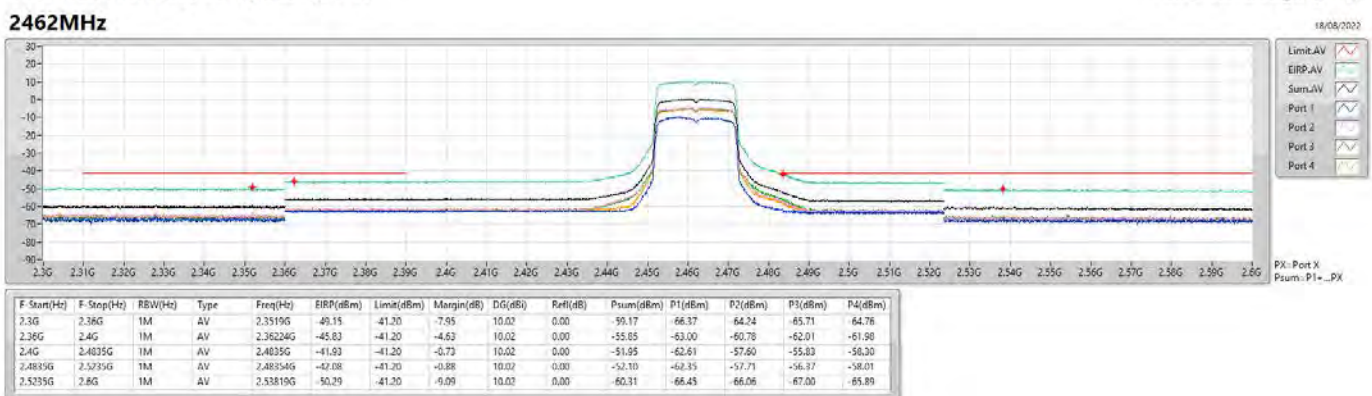
**802.11ax HEW20\_Nss1,(MCS0)\_4TX**  
**2462MHz**

**CSE Bandedge [PK]**



**802.11ax HEW20\_Nss1,(MCS0)\_4TX**  
**2462MHz**

**CSE Bandedge [AV]**





**CSE (Restricted Band)\_Iron R1\_Antenna set 2**  
**(Harmonic 1GHz ~ 3GHz)\_P to M\_P to P**

**Appendix F.6**

**Summary**

| Mode                          | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | Type | Freq<br>(Hz) | DG<br>(dBi) | P1<br>(dBm) | P2<br>(dBm) | P3<br>(dBm) | P4<br>(dBm) | Psum<br>(dBm) | EIRP<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|-------------------------------|--------|-----------------|----------------|------|--------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|----------------|----------------|
| 2.4-2.4835GHz                 | -      | -               | -              | -    | -            | -           | -           | -           | -           | -           | -             | -             | -              | -              |
| 802.11b_Nss1(1Mbps)_1TX       | Pass   | 2.36G           | 2.4G           | AV   | 2.36376G     | 13.00       | -58.79      |             |             |             | -58.79        | -45.79        | -41.20         | -4.59          |
| 802.11g_Nss1(6Mbps)_1TX       | Pass   | 2.36G           | 2.4G           | AV   | 2.3624G      | 13.00       | -59.06      |             |             |             | -59.06        | -46.06        | -41.20         | -4.86          |
| 802.11ax HEW20_Nss1(MCS0)_1TX | Pass   | 2.36G           | 2.4G           | AV   | 2.36936G     | 13.00       | -58.96      |             |             |             | -58.96        | -45.96        | -41.20         | -4.76          |
| 802.11b_Nss1(1Mbps)_2TX       | Pass   | 1G              | 2.36G          | AV   | 2.27449G     | 13.00       | -67.46      | -59.86      |             |             | -59.16        | -46.16        | -41.20         | -4.96          |
| 802.11g_Nss1(6Mbps)_2TX       | Pass   | 2.36G           | 2.4G           | AV   | 2.3652G      | 13.00       | -66.84      | -62.25      |             |             | -60.95        | -47.95        | -41.20         | -6.75          |
| 802.11ax HEW20_Nss1(MCS0)_2TX | Pass   | 1G              | 2.36G          | AV   | 2.33059G     | 13.00       | -68.45      | -62.42      |             |             | -61.45        | -48.45        | -41.20         | -7.25          |
| 802.11b_Nss1(1Mbps)_4TX       | Pass   | 1G              | 2.36G          | AV   | 2.2801G      | 13.00       | -69.39      | -61.20      | -64.43      | -65.64      | -58.22        | -45.22        | -41.20         | -4.02          |
| 802.11g_Nss1(6Mbps)_4TX       | Pass   | 1G              | 2.36G          | AV   | 2.25596G     | 13.00       | -69.50      | -64.77      | -63.15      | -65.09      | -59.07        | -46.07        | -41.20         | -4.87          |
| 802.11ax HEW20_Nss1(MCS0)_4TX | Pass   | 1G              | 2.36G          | AV   | 2.20785G     | 13.00       | -69.25      | -68.03      | -62.68      | -64.63      | -59.36        | -46.36        | -41.20         | -5.16          |

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX



# CSE (Restricted Band)\_Iron R1\_Antenna set 2 (Harmonic 1GHz ~ 3GHz)\_P to M\_P to P

## Appendix F.6

### Result

| Mode                           | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | Type | Freq<br>(Hz) | DG<br>(dBi) | P1<br>(dBm) | P2<br>(dBm) | P3<br>(dBm) | P4<br>(dBm) | Psum<br>(dBm) | EIRP<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------------------|--------|-----------------|----------------|------|--------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|----------------|----------------|
| 802.11b_Nss1,(1Mbps)_1TX       | -      | -               | -              | -    | -            | -           | -           | -           | -           | -           | -             | -             | -              | -              |
| 2412MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.20802G     | 13.00       | -59.28      |             |             |             | -59.28        | -46.28        | -41.20         | -5.08          |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.36376G     | 13.00       | -58.79      |             |             |             | -58.79        | -45.79        | -41.20         | -4.59          |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00       | -73.27      |             |             |             | -73.27        | -60.27        | -41.20         | -19.07         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.5203G      | 13.00       | -61.74      |             |             |             | -61.74        | -48.74        | -41.20         | -7.54          |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.52755G     | 13.00       | -62.74      |             |             |             | -62.74        | -49.74        | -41.20         | -8.54          |
| 2412MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.29251G     | 13.00       | -41.22      |             |             |             | -41.22        | -28.22        | -21.20         | -7.02          |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.36496G     | 13.00       | -48.19      |             |             |             | -48.19        | -35.19        | -21.20         | -13.99         |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00       | -63.50      |             |             |             | -63.50        | -50.50        | -21.20         | -29.30         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.5159G      | 13.00       | -50.04      |             |             |             | -50.04        | -37.04        | -21.20         | -15.84         |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.5316G      | 13.00       | -45.58      |             |             |             | -45.58        | -32.58        | -21.20         | -11.38         |
| 2417MHz                        |        |                 |                |      |              |             |             |             |             |             |               |               |                |                |
| 2437MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.20802G     | 13.00       | -60.31      |             |             |             | -60.31        | -47.31        | -41.20         | -6.11          |
| 2437MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.36216G     | 13.00       | -61.29      |             |             |             | -61.29        | -48.29        | -41.20         | -7.09          |
| 2437MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00       | -73.63      |             |             |             | -73.63        | -60.63        | -41.20         | -19.43         |
| 2437MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.50896G     | 13.00       | -63.22      |             |             |             | -63.22        | -50.22        | -41.20         | -9.02          |
| 2437MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.55733G     | 13.00       | -64.35      |             |             |             | -64.35        | -51.35        | -41.20         | -10.15         |
| 2437MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.31801G     | 13.00       | -43.65      |             |             |             | -43.65        | -30.65        | -21.20         | -9.45          |
| 2437MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.36328G     | 13.00       | -50.68      |             |             |             | -50.68        | -37.68        | -21.20         | -16.48         |
| 2437MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00       | -63.38      |             |             |             | -63.38        | -50.38        | -21.20         | -29.18         |
| 2437MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.50406G     | 13.00       | -52.85      |             |             |             | -52.85        | -39.85        | -21.20         | -18.65         |
| 2437MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.55674G     | 13.00       | -48.99      |             |             |             | -48.99        | -35.99        | -21.20         | -14.79         |
| 2457MHz                        |        |                 |                |      |              |             |             |             |             |             |               |               |                |                |
| 2462MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.31274G     | 13.00       | -61.11      |             |             |             | -61.11        | -48.11        | -41.20         | -6.91          |
| 2462MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.36392G     | 13.00       | -61.14      |             |             |             | -61.14        | -48.14        | -41.20         | -6.94          |
| 2462MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00       | -73.92      |             |             |             | -73.92        | -60.92        | -41.20         | -19.72         |
| 2462MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.49822G     | 13.00       | -61.65      |             |             |             | -61.65        | -48.65        | -41.20         | -7.45          |
| 2462MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.53053G     | 13.00       | -64.37      |             |             |             | -64.37        | -51.37        | -41.20         | -10.17         |
| 2462MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.34283G     | 13.00       | -43.72      |             |             |             | -43.72        | -30.72        | -21.20         | -9.52          |
| 2462MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.36128G     | 13.00       | -51.14      |             |             |             | -51.14        | -38.14        | -21.20         | -16.94         |
| 2462MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00       | -63.94      |             |             |             | -63.94        | -50.94        | -21.20         | -29.74         |
| 2462MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.49958G     | 13.00       | -51.50      |             |             |             | -51.50        | -38.50        | -21.20         | -17.30         |
| 2462MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.58139G     | 13.00       | -49.41      |             |             |             | -49.41        | -36.41        | -21.20         | -15.21         |
| 802.11g_Nss1,(6Mbps)_1TX       | -      | -               | -              | -    | -            | -           | -           | -           | -           | -           | -             | -             | -              | -              |
| 2412MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.20802G     | 13.00       | -59.45      |             |             |             | -59.45        | -46.45        | -41.20         | -5.25          |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.36592G     | 13.00       | -59.66      |             |             |             | -59.66        | -46.66        | -41.20         | -5.46          |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00       | -73.54      |             |             |             | -73.54        | -60.54        | -41.20         | -19.34         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.50534G     | 13.00       | -62.65      |             |             |             | -62.65        | -49.65        | -41.20         | -8.45          |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.52493G     | 13.00       | -63.46      |             |             |             | -63.46        | -50.46        | -41.20         | -9.26          |
| 2412MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.2937G      | 13.00       | -44.00      |             |             |             | -44.00        | -31.00        | -21.20         | -9.80          |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.36936G     | 13.00       | -48.61      |             |             |             | -48.61        | -35.61        | -21.20         | -14.41         |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00       | -63.85      |             |             |             | -63.85        | -50.85        | -21.20         | -29.65         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.51478G     | 13.00       | -51.86      |             |             |             | -51.86        | -38.86        | -21.20         | -17.66         |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.53136G     | 13.00       | -45.50      |             |             |             | -45.50        | -32.50        | -21.20         | -11.30         |
| 2417MHz                        |        |                 |                |      |              |             |             |             |             |             |               |               |                |                |
| 2437MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.34215G     | 13.00       | -59.29      |             |             |             | -59.29        | -46.29        | -41.20         | -5.09          |
| 2437MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.3624G      | 13.00       | -59.06      |             |             |             | -59.06        | -46.06        | -41.20         | -4.86          |
| 2437MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00       | -73.71      |             |             |             | -73.71        | -60.71        | -41.20         | -19.51         |
| 2437MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.50318G     | 13.00       | -60.61      |             |             |             | -60.61        | -47.61        | -41.20         | -6.41          |
| 2437MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.52489G     | 13.00       | -62.12      |             |             |             | -62.12        | -49.12        | -41.20         | -7.92          |
| 2437MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.31801G     | 13.00       | -41.52      |             |             |             | -41.52        | -28.52        | -21.20         | -7.32          |
| 2437MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.3604G      | 13.00       | -48.34      |             |             |             | -48.34        | -35.34        | -21.20         | -14.14         |
| 2437MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00       | -64.27      |             |             |             | -64.27        | -51.27        | -21.20         | -30.07         |
| 2437MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.5087G      | 13.00       | -50.00      |             |             |             | -50.00        | -37.00        | -21.20         | -15.80         |
| 2437MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.55662G     | 13.00       | -44.80      |             |             |             | -44.80        | -31.80        | -21.20         | -10.60         |
| 2457MHz                        |        |                 |                |      |              |             |             |             |             |             |               |               |                |                |
| 2462MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.20802G     | 13.00       | -62.53      |             |             |             | -62.53        | -49.53        | -41.20         | -8.33          |
| 2462MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.36584G     | 13.00       | -62.81      |             |             |             | -62.81        | -49.81        | -41.20         | -8.61          |
| 2462MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00       | -73.27      |             |             |             | -73.27        | -60.27        | -41.20         | -19.07         |
| 2462MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.49742G     | 13.00       | -62.75      |             |             |             | -62.75        | -49.75        | -41.20         | -8.55          |
| 2462MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.52827G     | 13.00       | -64.86      |             |             |             | -64.86        | -51.86        | -41.20         | -10.66         |
| 2462MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.34388G     | 13.00       | -45.36      |             |             |             | -45.36        | -32.36        | -21.20         | -11.16         |
| 2462MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.36176G     | 13.00       | -52.12      |             |             |             | -52.12        | -39.12        | -21.20         | -17.92         |
| 2462MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00       | -63.37      |             |             |             | -63.37        | -50.37        | -21.20         | -29.17         |
| 2462MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.4951G      | 13.00       | -50.61      |             |             |             | -50.61        | -37.61        | -21.20         | -16.41         |
| 2462MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.58223G     | 13.00       | -50.03      |             |             |             | -50.03        | -37.03        | -21.20         | -15.83         |
| 802.11ax_HEW20_Nss1,(MCS0)_1TX | -      | -               | -              | -    | -            | -           | -           | -           | -           | -           | -             | -             | -              | -              |
| 2412MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.20819G     | 13.00       | -62.47      |             |             |             | -62.47        | -49.47        | -41.20         | -8.27          |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.36496G     | 13.00       | -62.52      |             |             |             | -62.52        | -49.52        | -41.20         | -8.32          |



# CSE (Restricted Band)\_Iron R1\_Antenna set 2 (Harmonic 1GHz ~ 3GHz)\_P to M\_P to P

## Appendix F.6

| Mode                    | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | Type | Freq<br>(Hz) | DG<br>(dB) | P1<br>(dBm) | P2<br>(dBm) | P3<br>(dBm) | P4<br>(dBm) | Psum<br>(dBm) | EIRP<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|-------------------------|--------|-----------------|----------------|------|--------------|------------|-------------|-------------|-------------|-------------|---------------|---------------|----------------|----------------|
| 2412MHz                 | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00      | -73.41      |             |             |             | -73.41        | -60.41        | -41.20         | -19.21         |
| 2412MHz                 | Pass   | 2.4835G         | 2.5235G        | AV   | 2.51206G     | 13.00      | -65.07      |             |             |             | -65.07        | -52.07        | -41.20         | -10.87         |
| 2412MHz                 | Pass   | 2.5235G         | 3G             | AV   | 2.53232G     | 13.00      | -66.84      |             |             |             | -66.84        | -53.84        | -41.20         | -12.64         |
| 2412MHz                 | Pass   | 1G              | 2.36G          | PK   | 2.29506G     | 13.00      | -50.40      |             |             |             | -50.40        | -37.40        | -21.20         | -16.20         |
| 2412MHz                 | Pass   | 2.36G           | 2.4G           | PK   | 2.36232G     | 13.00      | -52.05      |             |             |             | -52.05        | -39.05        | -21.20         | -17.85         |
| 2412MHz                 | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00      | -63.50      |             |             |             | -63.50        | -50.50        | -21.20         | -29.30         |
| 2412MHz                 | Pass   | 2.4835G         | 2.5235G        | PK   | 2.5015G      | 13.00      | -54.37      |             |             |             | -54.37        | -41.37        | -21.20         | -20.17         |
| 2412MHz                 | Pass   | 2.5235G         | 3G             | PK   | 2.53291G     | 13.00      | -51.03      |             |             |             | -51.03        | -38.03        | -21.20         | -16.83         |
| 2417MHz                 |        |                 |                |      |              |            |             |             |             |             |               |               |                |                |
| 2437MHz                 | Pass   | 1G              | 2.36G          | AV   | 2.31682G     | 13.00      | -59.00      |             |             |             | -59.00        | -46.00        | -41.20         | -4.80          |
| 2437MHz                 | Pass   | 2.36G           | 2.4G           | AV   | 2.36936G     | 13.00      | -58.96      |             |             |             | -58.96        | -45.96        | -41.20         | -4.76          |
| 2437MHz                 | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00      | -73.48      |             |             |             | -73.48        | -60.48        | -41.20         | -19.28         |
| 2437MHz                 | Pass   | 2.4835G         | 2.5235G        | AV   | 2.50302G     | 13.00      | -60.66      |             |             |             | -60.66        | -47.66        | -41.20         | -6.46          |
| 2437MHz                 | Pass   | 2.5235G         | 3G             | AV   | 2.5372G      | 13.00      | -62.70      |             |             |             | -62.70        | -49.70        | -41.20         | -8.50          |
| 2437MHz                 | Pass   | 1G              | 2.36G          | PK   | 2.3158G      | 13.00      | -42.68      |             |             |             | -42.68        | -29.68        | -21.20         | -8.48          |
| 2437MHz                 | Pass   | 2.36G           | 2.4G           | PK   | 2.37104G     | 13.00      | -48.05      |             |             |             | -48.05        | -35.05        | -21.20         | -13.85         |
| 2437MHz                 | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00      | -63.81      |             |             |             | -63.81        | -50.81        | -21.20         | -29.61         |
| 2437MHz                 | Pass   | 2.4835G         | 2.5235G        | PK   | 2.50598G     | 13.00      | -49.21      |             |             |             | -49.21        | -36.21        | -21.20         | -15.01         |
| 2437MHz                 | Pass   | 2.5235G         | 3G             | PK   | 2.55686G     | 13.00      | -46.37      |             |             |             | -46.37        | -33.37        | -21.20         | -12.17         |
| 2457MHz                 |        |                 |                |      |              |            |             |             |             |             |               |               |                |                |
| 2462MHz                 | Pass   | 1G              | 2.36G          | AV   | 2.20802G     | 13.00      | -65.31      |             |             |             | -65.31        | -52.31        | -41.20         | -11.11         |
| 2462MHz                 | Pass   | 2.36G           | 2.4G           | AV   | 2.36784G     | 13.00      | -65.98      |             |             |             | -65.98        | -52.98        | -41.20         | -11.78         |
| 2462MHz                 | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00      | -73.84      |             |             |             | -73.84        | -60.84        | -41.20         | -19.64         |
| 2462MHz                 | Pass   | 2.4835G         | 2.5235G        | AV   | 2.49614G     | 13.00      | -64.35      |             |             |             | -64.35        | -51.35        | -41.20         | -10.15         |
| 2462MHz                 | Pass   | 2.5235G         | 3G             | AV   | 2.52433G     | 13.00      | -65.69      |             |             |             | -65.69        | -52.69        | -41.20         | -11.49         |
| 2462MHz                 | Pass   | 1G              | 2.36G          | PK   | 2.34147G     | 13.00      | -51.48      |             |             |             | -51.48        | -38.48        | -21.20         | -17.28         |
| 2462MHz                 | Pass   | 2.36G           | 2.4G           | PK   | 2.362G       | 13.00      | -55.24      |             |             |             | -55.24        | -42.24        | -21.20         | -21.04         |
| 2462MHz                 | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00      | -63.71      |             |             |             | -63.71        | -50.71        | -21.20         | -29.51         |
| 2462MHz                 | Pass   | 2.4835G         | 2.5235G        | PK   | 2.49702G     | 13.00      | -52.11      |             |             |             | -52.11        | -39.11        | -21.20         | -17.91         |
| 2462MHz                 | Pass   | 2.5235G         | 3G             | PK   | 2.58151G     | 13.00      | -54.46      |             |             |             | -54.46        | -41.46        | -21.20         | -20.26         |
| 802.11b_Nss1(1Mbps)_2TX | -      | -               | -              | -    | -            | -          | -           | -           | -           | -           | -             | -             | -              | -              |
| 2412MHz                 | Pass   | 1G              | 2.36G          | AV   | 2.29013G     | 13.00      | -67.92      | -63.38      |             |             | -62.07        | -49.07        | -41.20         | -7.87          |
| 2412MHz                 | Pass   | 2.36G           | 2.4G           | AV   | 2.36552G     | 13.00      | -67.15      | -63.76      |             |             | -62.12        | -49.12        | -41.20         | -7.92          |
| 2412MHz                 | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00      | -73.48      | -73.72      |             |             | -70.59        | -57.59        | -41.20         | -16.39         |
| 2412MHz                 | Pass   | 2.4835G         | 2.5235G        | AV   | 2.51102G     | 13.00      | -68.35      | -66.41      |             |             | -64.26        | -51.26        | -41.20         | -10.06         |
| 2412MHz                 | Pass   | 2.5235G         | 3G             | AV   | 2.53398G     | 13.00      | -70.69      | -67.62      |             |             | -65.88        | -52.88        | -41.20         | -11.68         |
| 2412MHz                 | Pass   | 1G              | 2.36G          | PK   | 2.292G       | 13.00      | -49.57      | -55.45      |             |             | -48.57        | -35.57        | -21.20         | -14.37         |
| 2412MHz                 | Pass   | 2.36G           | 2.4G           | PK   | 2.368G       | 13.00      | -55.51      | -54.32      |             |             | -51.86        | -38.86        | -21.20         | -17.66         |
| 2412MHz                 | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00      | -63.48      | -62.52      |             |             | -59.96        | -46.96        | -21.20         | -25.76         |
| 2412MHz                 | Pass   | 2.4835G         | 2.5235G        | PK   | 2.51846G     | 13.00      | -59.90      | -55.24      |             |             | -53.96        | -40.96        | -21.20         | -19.76         |
| 2412MHz                 | Pass   | 2.5235G         | 3G             | PK   | 2.53267G     | 13.00      | -53.35      | -59.04      |             |             | -52.31        | -39.31        | -21.20         | -18.11         |
| 2417MHz                 |        |                 |                |      |              |            |             |             |             |             |               |               |                |                |
| 2437MHz                 | Pass   | 1G              | 2.36G          | AV   | 2.26905G     | 13.00      | -69.56      | -60.63      |             |             | -60.11        | -47.11        | -41.20         | -5.91          |
| 2437MHz                 | Pass   | 2.36G           | 2.4G           | AV   | 2.36576G     | 13.00      | -68.67      | -61.56      |             |             | -60.79        | -47.79        | -41.20         | -6.59          |
| 2437MHz                 | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00      | -73.96      | -73.73      |             |             | -70.83        | -57.83        | -41.20         | -16.63         |
| 2437MHz                 | Pass   | 2.4835G         | 2.5235G        | AV   | 2.5151G      | 13.00      | -70.14      | -63.21      |             |             | -62.41        | -49.41        | -41.20         | -8.21          |
| 2437MHz                 | Pass   | 2.5235G         | 3G             | AV   | 2.54327G     | 13.00      | -72.43      | -64.63      |             |             | -63.96        | -50.96        | -41.20         | -9.76          |
| 2437MHz                 | Pass   | 1G              | 2.36G          | PK   | 2.2784G      | 13.00      | -60.79      | -49.68      |             |             | -49.36        | -36.36        | -21.20         | -15.16         |
| 2437MHz                 | Pass   | 2.36G           | 2.4G           | PK   | 2.37296G     | 13.00      | -58.71      | -50.90      |             |             | -50.23        | -37.23        | -21.20         | -16.03         |
| 2437MHz                 | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00      | -63.57      | -63.07      |             |             | -60.30        | -47.30        | -21.20         | -26.10         |
| 2437MHz                 | Pass   | 2.4835G         | 2.5235G        | PK   | 2.5071G      | 13.00      | -61.00      | -52.19      |             |             | -51.65        | -38.65        | -21.20         | -17.45         |
| 2437MHz                 | Pass   | 2.5235G         | 3G             | PK   | 2.61975G     | 13.00      | -62.92      | -52.66      |             |             | -52.27        | -39.27        | -21.20         | -18.07         |
| 2457MHz                 |        |                 |                |      |              |            |             |             |             |             |               |               |                |                |
| 2462MHz                 | Pass   | 1G              | 2.36G          | AV   | 2.27449G     | 13.00      | -67.46      | -59.86      |             |             | -59.16        | -46.16        | -41.20         | -4.96          |
| 2462MHz                 | Pass   | 2.36G           | 2.4G           | AV   | 2.36464G     | 13.00      | -66.62      | -61.42      |             |             | -60.27        | -47.27        | -41.20         | -6.07          |
| 2462MHz                 | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00      | -73.59      | -73.83      |             |             | -70.70        | -57.70        | -41.20         | -16.50         |
| 2462MHz                 | Pass   | 2.4835G         | 2.5235G        | AV   | 2.51238G     | 13.00      | -67.90      | -62.32      |             |             | -61.26        | -48.26        | -41.20         | -7.06          |
| 2462MHz                 | Pass   | 2.5235G         | 3G             | AV   | 2.52445G     | 13.00      | -70.00      | -63.48      |             |             | -62.61        | -49.61        | -41.20         | -8.41          |
| 2462MHz                 | Pass   | 1G              | 2.36G          | PK   | 2.34351G     | 13.00      | -50.21      | -52.55      |             |             | -48.21        | -35.21        | -21.20         | -14.01         |
| 2462MHz                 | Pass   | 2.36G           | 2.4G           | PK   | 2.36424G     | 13.00      | -56.03      | -50.60      |             |             | -49.51        | -36.51        | -21.20         | -15.31         |
| 2462MHz                 | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00      | -64.27      | -64.40      |             |             | -61.32        | -48.32        | -21.20         | -27.12         |
| 2462MHz                 | Pass   | 2.4835G         | 2.5235G        | PK   | 2.50486G     | 13.00      | -57.71      | -51.77      |             |             | -50.78        | -37.78        | -21.20         | -16.58         |
| 2462MHz                 | Pass   | 2.5235G         | 3G             | PK   | 2.58116G     | 13.00      | -54.42      | -54.67      |             |             | -51.53        | -38.53        | -21.20         | -17.33         |
| 802.11g_Nss1(6Mbps)_2TX | -      | -               | -              | -    | -            | -          | -           | -           | -           | -           | -             | -             | -              | -              |
| 2412MHz                 | Pass   | 1G              | 2.36G          | AV   | 2.26888G     | 13.00      | -69.24      | -62.26      |             |             | -61.47        | -48.47        | -41.20         | -7.27          |
| 2412MHz                 | Pass   | 2.36G           | 2.4G           | AV   | 2.36224G     | 13.00      | -67.21      | -62.34      |             |             | -61.12        | -48.12        | -41.20         | -6.92          |
| 2412MHz                 | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00      | -73.44      | -73.64      |             |             | -70.53        | -57.53        | -41.20         | -16.33         |
| 2412MHz                 | Pass   | 2.4835G         | 2.5235G        | AV   | 2.50398G     | 13.00      | -68.68      | -64.63      |             |             | -63.19        | -50.19        | -41.20         | -8.99          |
| 2412MHz                 | Pass   | 2.5235G         | 3G             | AV   | 2.53899G     | 13.00      | -71.99      | -65.70      |             |             | -64.78        | -51.78        | -41.20         | -10.58         |
| 2412MHz                 | Pass   | 1G              | 2.36G          | PK   | 2.29234G     | 13.00      | -50.47      | -55.53      |             |             | -49.29        | -36.29        | -21.20         | -15.09         |



**CSE (Restricted Band)\_Iron R1\_Antenna set 2**  
**(Harmonic 1GHz ~ 3GHz)\_P to M\_P to P**

**Appendix F.6**

| Mode                           | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | Type | Freq<br>(Hz) | DG<br>(dB) | P1<br>(dBm) | P2<br>(dBm) | P3<br>(dBm) | P4<br>(dBm) | Psum<br>(dBm) | EIRP<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------------------|--------|-----------------|----------------|------|--------------|------------|-------------|-------------|-------------|-------------|---------------|---------------|----------------|----------------|
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.37088G     | 13.00      | -56.66      | -51.82      |             |             | -50.59        | -37.59        | -21.20         | -16.39         |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00      | -62.79      | -63.00      |             |             | -59.88        | -46.88        | -21.20         | -25.68         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.51158G     | 13.00      | -59.01      | -53.51      |             |             | -52.43        | -39.43        | -21.20         | -18.23         |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.53196G     | 13.00      | -55.16      | -56.16      |             |             | -52.62        | -39.62        | -21.20         | -18.42         |
| 2417MHz                        |        |                 |                |      |              |            |             |             |             |             |               |               |                |                |
| 2437MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.27364G     | 13.00      | -68.53      | -61.82      |             |             | -60.98        | -47.98        | -41.20         | -6.78          |
| 2437MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.3652G      | 13.00      | -66.84      | -62.25      |             |             | -60.95        | -47.95        | -41.20         | -6.75          |
| 2437MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00      | -73.47      | -73.78      |             |             | -70.61        | -57.61        | -41.20         | -16.41         |
| 2437MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.51486G     | 13.00      | -68.30      | -64.09      |             |             | -62.69        | -49.69        | -41.20         | -8.49          |
| 2437MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.53124G     | 13.00      | -71.45      | -65.04      |             |             | -64.15        | -51.15        | -41.20         | -9.95          |
| 2437MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.26684G     | 13.00      | -60.73      | -49.76      |             |             | -49.43        | -36.43        | -21.20         | -15.23         |
| 2437MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.36864G     | 13.00      | -57.89      | -51.59      |             |             | -50.68        | -37.68        | -21.20         | -16.48         |
| 2437MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00      | -63.74      | -63.95      |             |             | -60.83        | -47.83        | -21.20         | -26.63         |
| 2437MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.5091G      | 13.00      | -58.85      | -53.49      |             |             | -52.38        | -39.38        | -21.20         | -18.18         |
| 2437MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.55828G     | 13.00      | -55.25      | -55.31      |             |             | -52.27        | -39.27        | -21.20         | -18.07         |
| 2457MHz                        |        |                 |                |      |              |            |             |             |             |             |               |               |                |                |
| 2462MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.29829G     | 13.00      | -70.28      | -63.18      |             |             | -62.41        | -49.41        | -41.20         | -8.21          |
| 2462MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.36344G     | 13.00      | -69.37      | -62.75      |             |             | -61.89        | -48.89        | -41.20         | -7.69          |
| 2462MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00      | -73.66      | -73.56      |             |             | -70.60        | -57.60        | -41.20         | -16.40         |
| 2462MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.51182G     | 13.00      | -70.46      | -63.89      |             |             | -63.03        | -50.03        | -41.20         | -8.83          |
| 2462MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.53077G     | 13.00      | -73.40      | -64.67      |             |             | -64.12        | -51.12        | -41.20         | -9.92          |
| 2462MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.3413G      | 13.00      | -53.70      | -59.55      |             |             | -52.70        | -39.70        | -21.20         | -18.50         |
| 2462MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.36048G     | 13.00      | -58.52      | -54.55      |             |             | -53.09        | -40.09        | -21.20         | -18.89         |
| 2462MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00      | -62.89      | -63.94      |             |             | -60.37        | -47.37        | -21.20         | -26.17         |
| 2462MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.51798G     | 13.00      | -59.38      | -56.06      |             |             | -54.40        | -41.40        | -21.20         | -20.20         |
| 2462MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.53768G     | 13.00      | -63.56      | -57.03      |             |             | -56.16        | -43.16        | -21.20         | -21.96         |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -      | -               | -              | -    | -            | -          | -           | -           | -           | -           | -             | -             | -              | -              |
| 2412MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.20802G     | 13.00      | -68.47      | -66.29      |             |             | -64.23        | -51.23        | -41.20         | -10.03         |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.36096G     | 13.00      | -69.17      | -65.48      |             |             | -63.93        | -50.93        | -41.20         | -9.73          |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00      | -73.64      | -73.63      |             |             | -70.62        | -57.62        | -41.20         | -16.42         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.50686G     | 13.00      | -70.66      | -67.39      |             |             | -65.71        | -52.71        | -41.20         | -11.51         |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.53303G     | 13.00      | -73.89      | -68.50      |             |             | -67.40        | -54.40        | -41.20         | -13.20         |
| 2412MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.29081G     | 13.00      | -62.84      | -54.66      |             |             | -54.05        | -41.05        | -21.20         | -19.85         |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.37544G     | 13.00      | -60.21      | -52.04      |             |             | -51.42        | -38.42        | -21.20         | -17.22         |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00      | -63.37      | -63.06      |             |             | -60.20        | -47.20        | -21.20         | -26.00         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.50822G     | 13.00      | -61.03      | -55.90      |             |             | -54.74        | -41.74        | -21.20         | -20.54         |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.53279G     | 13.00      | -58.33      | -60.08      |             |             | -56.11        | -43.11        | -21.20         | -21.91         |
| 2417MHz                        |        |                 |                |      |              |            |             |             |             |             |               |               |                |                |
| 2437MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.33059G     | 13.00      | -68.45      | -62.42      |             |             | -61.45        | -48.45        | -41.20         | -7.25          |
| 2437MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.3668G      | 13.00      | -67.83      | -62.75      |             |             | -61.58        | -48.58        | -41.20         | -7.38          |
| 2437MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00      | -73.54      | -73.65      |             |             | -70.58        | -57.58        | -41.20         | -16.38         |
| 2437MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.50182G     | 13.00      | -69.27      | -63.92      |             |             | -62.81        | -49.81        | -41.20         | -8.61          |
| 2437MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.53434G     | 13.00      | -72.04      | -65.29      |             |             | -64.46        | -51.46        | -41.20         | -10.26         |
| 2437MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.24661G     | 13.00      | -60.96      | -51.89      |             |             | -51.38        | -38.38        | -21.20         | -17.18         |
| 2437MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.37208G     | 13.00      | -58.81      | -51.96      |             |             | -51.14        | -38.14        | -21.20         | -16.94         |
| 2437MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00      | -63.89      | -63.45      |             |             | -60.65        | -47.65        | -21.20         | -26.45         |
| 2437MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.50758G     | 13.00      | -58.84      | -53.69      |             |             | -52.53        | -39.53        | -21.20         | -18.33         |
| 2437MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.55507G     | 13.00      | -55.40      | -56.48      |             |             | -52.90        | -39.90        | -21.20         | -18.70         |
| 2457MHz                        |        |                 |                |      |              |            |             |             |             |             |               |               |                |                |
| 2462MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.33773G     | 13.00      | -70.20      | -66.02      |             |             | -64.62        | -51.62        | -41.20         | -10.42         |
| 2462MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.36024G     | 13.00      | -70.08      | -65.90      |             |             | -64.50        | -51.50        | -41.20         | -10.30         |
| 2462MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00      | -73.72      | -73.48      |             |             | -70.59        | -57.59        | -41.20         | -16.39         |
| 2462MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.50686G     | 13.00      | -70.20      | -66.96      |             |             | -65.27        | -52.27        | -41.20         | -11.07         |
| 2462MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.52862G     | 13.00      | -74.06      | -67.90      |             |             | -66.96        | -53.96        | -41.20         | -12.76         |
| 2462MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.32481G     | 13.00      | -62.58      | -55.12      |             |             | -54.40        | -41.40        | -21.20         | -20.20         |
| 2462MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.3604G      | 13.00      | -60.06      | -55.13      |             |             | -53.92        | -40.92        | -21.20         | -19.72         |
| 2462MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00      | -64.12      | -64.06      |             |             | -61.08        | -48.08        | -21.20         | -26.88         |
| 2462MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.50934G     | 13.00      | -60.74      | -56.04      |             |             | -54.77        | -41.77        | -21.20         | -20.57         |
| 2462MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.53911G     | 13.00      | -62.87      | -58.08      |             |             | -56.84        | -43.84        | -21.20         | -22.64         |
| 802.11h_Nss1,(1Mbps)_4TX       | -      | -               | -              | -    | -            | -          | -           | -           | -           | -           | -             | -             | -              | -              |
| 2412MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.20802G     | 13.00      | -68.26      | -66.76      | -64.76      | -65.76      | -60.18        | -47.18        | -41.20         | -5.98          |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.3624G      | 13.00      | -68.90      | -65.80      | -66.05      | -65.99      | -60.50        | -47.50        | -41.20         | -6.30          |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00      | -73.56      | -73.28      | -73.13      | -73.48      | -67.34        | -54.34        | -41.20         | -13.14         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.51998G     | 13.00      | -69.48      | -66.79      | -67.73      | -67.35      | -61.71        | -48.71        | -41.20         | -7.51          |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.53315G     | 13.00      | -73.55      | -68.42      | -70.78      | -68.29      | -63.77        | -50.77        | -41.20         | -9.57          |
| 2412MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.29115G     | 13.00      | -57.02      | -56.41      | -57.94      | -54.80      | -50.37        | -37.37        | -21.20         | -16.17         |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.36088G     | 13.00      | -57.99      | -55.01      | -54.90      | -56.24      | -49.85        | -36.85        | -21.20         | -15.65         |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00      | -63.79      | -62.27      | -64.09      | -62.39      | -57.04        | -44.04        | -21.20         | -22.84         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.51974G     | 13.00      | -60.37      | -56.55      | -57.93      | -57.44      | -51.84        | -38.84        | -21.20         | -17.64         |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.53172G     | 13.00      | -58.68      | -59.61      | -62.05      | -52.02      | -50.29        | -37.29        | -21.20         | -16.09         |



**CSE (Restricted Band)\_Iron R1\_Antenna set 2**  
**(Harmonic 1GHz ~ 3GHz)\_P to M\_P to P**

**Appendix F.6**

| Mode                           | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | Type | Freq<br>(Hz) | DG<br>(dB) | P1<br>(dBm) | P2<br>(dBm) | P3<br>(dBm) | P4<br>(dBm) | Psum<br>(dBm) | EIRP<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------------------|--------|-----------------|----------------|------|--------------|------------|-------------|-------------|-------------|-------------|---------------|---------------|----------------|----------------|
| 2417MHz                        |        |                 |                |      |              |            |             |             |             |             |               |               |                |                |
| 2437MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.20802G     | 13.00      | -68.57      | -64.46      | -63.65      | -62.90      | -58.41        | -45.41        | -41.20         | -4.21          |
| 2437MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.3604G      | 13.00      | -68.54      | -64.96      | -66.33      | -62.86      | -59.17        | -46.17        | -41.20         | -4.97          |
| 2437MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00      | -73.67      | -73.27      | -72.74      | -73.67      | -67.30        | -54.30        | -41.20         | -13.10         |
| 2437MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.51238G     | 13.00      | -70.16      | -66.65      | -67.88      | -63.09      | -60.15        | -47.15        | -41.20         | -5.95          |
| 2437MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.526G       | 13.00      | -72.82      | -67.99      | -69.26      | -64.62      | -61.71        | -48.71        | -41.20         | -7.51          |
| 2437MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.31784G     | 13.00      | -63.04      | -56.77      | -57.39      | -49.24      | -47.87        | -34.87        | -21.20         | -13.67         |
| 2437MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.36552G     | 13.00      | -59.06      | -54.96      | -54.44      | -51.93      | -48.40        | -35.40        | -21.20         | -14.20         |
| 2437MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00      | -63.85      | -62.95      | -63.86      | -63.38      | -57.47        | -44.47        | -21.20         | -23.27         |
| 2437MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.52206G     | 13.00      | -59.86      | -56.44      | -58.30      | -52.42      | -49.78        | -36.78        | -21.20         | -15.58         |
| 2437MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.55674G     | 13.00      | -58.95      | -58.88      | -59.81      | -48.73      | -47.69        | -34.69        | -21.20         | -13.49         |
| 2457MHz                        |        |                 |                |      |              |            |             |             |             |             |               |               |                |                |
| 2462MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.2801G      | 13.00      | -69.39      | -61.20      | -64.43      | -65.64      | -58.22        | -45.22        | -41.20         | -4.02          |
| 2462MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.36016G     | 13.00      | -68.55      | -62.39      | -65.40      | -66.39      | -59.09        | -46.09        | -41.20         | -4.89          |
| 2462MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00      | -73.67      | -73.73      | -73.35      | -73.47      | -67.53        | -54.53        | -41.20         | -13.33         |
| 2462MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.51998G     | 13.00      | -69.51      | -62.66      | -66.26      | -66.83      | -59.59        | -46.59        | -41.20         | -5.39          |
| 2462MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.53089G     | 13.00      | -71.83      | -65.09      | -67.52      | -67.79      | -61.43        | -48.43        | -41.20         | -7.23          |
| 2462MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.27007G     | 13.00      | -59.71      | -50.15      | -56.76      | -56.62      | -48.23        | -35.23        | -21.20         | -14.03         |
| 2462MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.36768G     | 13.00      | -58.19      | -51.83      | -54.88      | -56.65      | -48.70        | -35.70        | -21.20         | -14.50         |
| 2462MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00      | -63.49      | -62.99      | -64.40      | -63.20      | -57.47        | -44.47        | -21.20         | -23.27         |
| 2462MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.50886G     | 13.00      | -60.20      | -52.19      | -57.01      | -56.29      | -49.46        | -36.46        | -21.20         | -15.26         |
| 2462MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.58104G     | 13.00      | -63.73      | -55.63      | -59.87      | -53.17      | -50.45        | -37.45        | -21.20         | -16.25         |
| 802.11g_Nss1,(6Mbps)_4TX       | -      | -               | -              | -    | -            | -          | -           | -           | -           | -           | -             | -             | -              | -              |
| 2412MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.20802G     | 13.00      | -68.51      | -67.40      | -65.74      | -66.48      | -60.89        | -47.89        | -41.20         | -6.69          |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.36136G     | 13.00      | -69.91      | -66.27      | -66.95      | -67.38      | -61.41        | -48.41        | -41.20         | -7.21          |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00      | -73.35      | -73.85      | -73.52      | -73.48      | -67.53        | -54.53        | -41.20         | -13.33         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.5199G      | 13.00      | -70.27      | -66.99      | -68.43      | -68.20      | -62.30        | -49.30        | -41.20         | -8.10          |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.54375G     | 13.00      | -72.94      | -69.80      | -69.88      | -68.97      | -64.14        | -51.14        | -41.20         | -9.94          |
| 2412MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.24984G     | 13.00      | -62.83      | -55.76      | -55.86      | -58.98      | -51.53        | -38.53        | -21.20         | -17.33         |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.36216G     | 13.00      | -59.33      | -55.85      | -55.53      | -57.98      | -50.88        | -37.88        | -21.20         | -16.68         |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00      | -63.68      | -63.59      | -63.92      | -63.56      | -57.66        | -44.66        | -21.20         | -23.46         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.52134G     | 13.00      | -61.86      | -55.22      | -59.50      | -58.82      | -52.15        | -39.15        | -21.20         | -17.95         |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.53327G     | 13.00      | -59.20      | -59.49      | -60.71      | -54.32      | -51.63        | -38.63        | -21.20         | -17.43         |
| 2417MHz                        |        |                 |                |      |              |            |             |             |             |             |               |               |                |                |
| 2437MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.25596G     | 13.00      | -69.50      | -64.77      | -63.15      | -65.09      | -59.07        | -46.07        | -41.20         | -4.87          |
| 2437MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.362G       | 13.00      | -68.74      | -66.35      | -64.53      | -64.52      | -59.70        | -46.70        | -41.20         | -5.50          |
| 2437MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00      | -73.13      | -73.43      | -73.95      | -73.53      | -67.48        | -54.48        | -41.20         | -13.28         |
| 2437MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.51998G     | 13.00      | -70.53      | -67.01      | -65.27      | -64.65      | -60.33        | -47.33        | -41.20         | -6.13          |
| 2437MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.53291G     | 13.00      | -74.13      | -69.69      | -66.84      | -65.48      | -61.96        | -48.96        | -41.20         | -7.76          |
| 2437MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.31835G     | 13.00      | -54.40      | -58.25      | -56.01      | -50.96      | -48.05        | -35.05        | -21.20         | -13.85         |
| 2437MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.37176G     | 13.00      | -60.81      | -56.22      | -50.83      | -54.42      | -48.21        | -35.21        | -21.20         | -14.01         |
| 2437MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00      | -63.53      | -63.74      | -62.93      | -64.15      | -57.54        | -44.54        | -21.20         | -23.34         |
| 2437MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.50198G     | 13.00      | -60.60      | -57.52      | -53.33      | -55.20      | -49.87        | -36.87        | -21.20         | -15.67         |
| 2437MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.55721G     | 13.00      | -60.23      | -59.51      | -59.35      | -48.91      | -47.94        | -34.94        | -21.20         | -13.74         |
| 2457MHz                        |        |                 |                |      |              |            |             |             |             |             |               |               |                |                |
| 2462MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.20802G     | 13.00      | -69.14      | -67.12      | -65.11      | -67.35      | -60.92        | -47.92        | -41.20         | -6.72          |
| 2462MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.36032G     | 13.00      | -69.98      | -66.08      | -67.11      | -68.08      | -61.57        | -48.57        | -41.20         | -7.37          |
| 2462MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00      | -73.64      | -73.68      | -73.82      | -73.88      | -67.73        | -54.73        | -41.20         | -13.53         |
| 2462MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.5199G      | 13.00      | -70.65      | -66.82      | -67.17      | -67.64      | -61.82        | -48.82        | -41.20         | -7.62          |
| 2462MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.53065G     | 13.00      | -73.94      | -68.51      | -69.41      | -69.50      | -63.89        | -50.89        | -41.20         | -9.69          |
| 2462MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.34249G     | 13.00      | -62.99      | -59.87      | -60.96      | -53.50      | -51.67        | -38.67        | -21.20         | -17.47         |
| 2462MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.36352G     | 13.00      | -58.80      | -56.88      | -56.88      | -57.09      | -51.32        | -38.32        | -21.20         | -17.12         |
| 2462MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00      | -63.20      | -63.49      | -61.95      | -63.55      | -56.98        | -43.98        | -21.20         | -22.78         |
| 2462MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.50982G     | 13.00      | -60.97      | -56.75      | -56.24      | -56.49      | -51.23        | -38.23        | -21.20         | -17.03         |
| 2462MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.58294G     | 13.00      | -61.52      | -59.89      | -62.02      | -54.12      | -52.05        | -39.05        | -21.20         | -17.85         |
| 802.11ax_HEW20_Nss1,(MCS0)_4TX | -      | -               | -              | -    | -            | -          | -           | -           | -           | -           | -             | -             | -              | -              |
| 2412MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.20819G     | 13.00      | -68.72      | -68.34      | -65.72      | -66.48      | -61.11        | -48.11        | -41.20         | -6.91          |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.36112G     | 13.00      | -69.54      | -66.05      | -66.99      | -66.85      | -61.16        | -48.16        | -41.20         | -6.96          |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00      | -73.48      | -73.60      | -73.29      | -73.59      | -67.47        | -54.47        | -41.20         | -13.27         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | AV   | 2.51998G     | 13.00      | -70.19      | -66.84      | -67.50      | -68.21      | -62.00        | -49.00        | -41.20         | -7.80          |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | AV   | 2.59188G     | 13.00      | -74.83      | -68.15      | -69.76      | -71.64      | -64.43        | -51.43        | -41.20         | -10.23         |
| 2412MHz                        | Pass   | 1G              | 2.36G          | PK   | 2.292G       | 13.00      | -63.22      | -59.28      | -57.79      | -54.17      | -51.46        | -38.46        | -21.20         | -17.26         |
| 2412MHz                        | Pass   | 2.36G           | 2.4G           | PK   | 2.36136G     | 13.00      | -60.23      | -55.53      | -56.14      | -56.95      | -50.86        | -37.86        | -21.20         | -16.66         |
| 2412MHz                        | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00      | -63.96      | -62.70      | -63.84      | -64.08      | -57.59        | -44.59        | -21.20         | -23.39         |
| 2412MHz                        | Pass   | 2.4835G         | 2.5235G        | PK   | 2.50542G     | 13.00      | -60.97      | -58.94      | -57.17      | -57.48      | -52.38        | -39.38        | -21.20         | -18.18         |
| 2412MHz                        | Pass   | 2.5235G         | 3G             | PK   | 2.53029G     | 13.00      | -63.93      | -60.32      | -61.83      | -54.28      | -52.42        | -39.42        | -21.20         | -18.22         |
| 2417MHz                        |        |                 |                |      |              |            |             |             |             |             |               |               |                |                |
| 2437MHz                        | Pass   | 1G              | 2.36G          | AV   | 2.20785G     | 13.00      | -69.25      | -68.03      | -62.68      | -64.63      | -59.36        | -46.36        | -41.20         | -5.16          |
| 2437MHz                        | Pass   | 2.36G           | 2.4G           | AV   | 2.36072G     | 13.00      | -69.71      | -65.99      | -64.76      | -64.11      | -59.66        | -46.66        | -41.20         | -5.46          |
| 2437MHz                        | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00      | -73.57      | -73.57      | -73.42      | -73.34      | -67.45        | -54.45        | -41.20         | -13.25         |



**CSE (Restricted Band)\_Iron R1\_Antenna set 2  
(Harmonic 1GHz ~ 3GHz)\_P to M\_P to P**

**Appendix F.6**

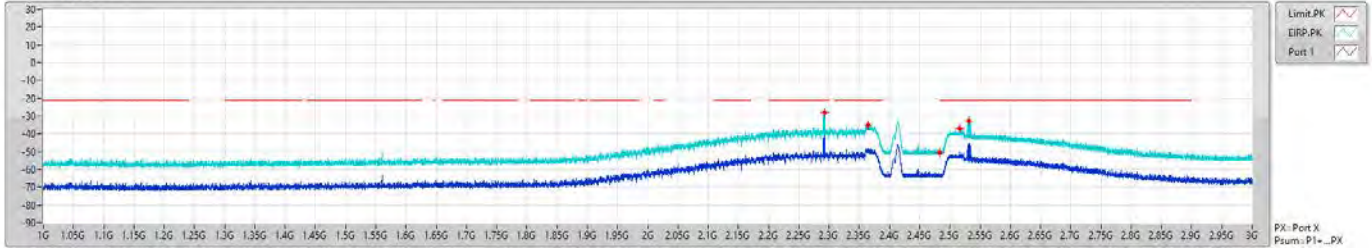
| Mode    | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | Type | Freq<br>(Hz) | DG<br>(dBi) | P1<br>(dBm) | P2<br>(dBm) | P3<br>(dBm) | P4<br>(dBm) | Psum<br>(dBm) | EIRP<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|---------|--------|-----------------|----------------|------|--------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|----------------|----------------|
| 2437MHz | Pass   | 2.4835G         | 2.5235G        | AV   | 2.51998G     | 13.00       | -70.47      | -67.02      | -65.47      | -64.84      | -60.46        | -47.46        | -41.20         | -6.26          |
| 2437MHz | Pass   | 2.5235G         | 3G             | AV   | 2.52386G     | 13.00       | -73.52      | -70.34      | -66.87      | -65.83      | -62.19        | -49.19        | -41.20         | -7.99          |
| 2437MHz | Pass   | 1G              | 2.36G          | PK   | 2.31716G     | 13.00       | -63.63      | -57.68      | -59.36      | -49.41      | -48.31        | -35.31        | -21.20         | -14.11         |
| 2437MHz | Pass   | 2.36G           | 2.4G           | PK   | 2.3636G      | 13.00       | -60.21      | -55.29      | -56.72      | -53.79      | -49.91        | -36.91        | -21.20         | -15.71         |
| 2437MHz | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00       | -63.92      | -63.28      | -62.53      | -63.49      | -57.25        | -44.25        | -21.20         | -23.05         |
| 2437MHz | Pass   | 2.4835G         | 2.5235G        | PK   | 2.51334G     | 13.00       | -59.54      | -56.40      | -57.97      | -54.57      | -50.71        | -37.71        | -21.20         | -16.51         |
| 2437MHz | Pass   | 2.5235G         | 3G             | PK   | 2.55674G     | 13.00       | -64.31      | -61.07      | -62.58      | -50.11      | -49.41        | -36.41        | -21.20         | -15.21         |
| 2457MHz |        |                 |                |      |              |             |             |             |             |             |               |               |                |                |
| 2462MHz | Pass   | 1G              | 2.36G          | AV   | 2.20802G     | 13.00       | -69.40      | -64.59      | -64.64      | -66.85      | -59.95        | -46.95        | -41.20         | -5.75          |
| 2462MHz | Pass   | 2.36G           | 2.4G           | AV   | 2.37608G     | 13.00       | -70.29      | -62.94      | -67.38      | -68.64      | -60.36        | -47.36        | -41.20         | -6.16          |
| 2462MHz | Pass   | 2.4G            | 2.4835G        | AV   | 2.4835G      | 13.00       | -73.67      | -73.20      | -72.96      | -73.01      | -67.18        | -54.18        | -41.20         | -12.98         |
| 2462MHz | Pass   | 2.4835G         | 2.5235G        | AV   | 2.5199G      | 13.00       | -70.47      | -63.59      | -67.37      | -67.48      | -60.51        | -47.51        | -41.20         | -6.31          |
| 2462MHz | Pass   | 2.5235G         | 3G             | AV   | 2.52374G     | 13.00       | -73.63      | -65.12      | -69.29      | -68.59      | -62.17        | -49.17        | -41.20         | -7.97          |
| 2462MHz | Pass   | 1G              | 2.36G          | PK   | 2.27976G     | 13.00       | -62.95      | -54.17      | -55.49      | -58.46      | -50.66        | -37.66        | -21.20         | -16.46         |
| 2462MHz | Pass   | 2.36G           | 2.4G           | PK   | 2.36048G     | 13.00       | -60.25      | -53.46      | -55.53      | -58.00      | -50.07        | -37.07        | -21.20         | -15.87         |
| 2462MHz | Pass   | 2.4G            | 2.4835G        | PK   | 2.4835G      | 13.00       | -63.17      | -63.63      | -63.70      | -63.08      | -57.37        | -44.37        | -21.20         | -23.17         |
| 2462MHz | Pass   | 2.4835G         | 2.5235G        | PK   | 2.50398G     | 13.00       | -61.27      | -53.19      | -56.15      | -57.02      | -50.02        | -37.02        | -21.20         | -15.82         |
| 2462MHz | Pass   | 2.5235G         | 3G             | PK   | 2.53494G     | 13.00       | -63.66      | -53.43      | -60.12      | -59.99      | -51.58        | -38.58        | -21.20         | -17.38         |

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

**802.11b\_Nss1,(1Mbps)\_1TX**

**CSE Other [PK]**

**2412MHz**

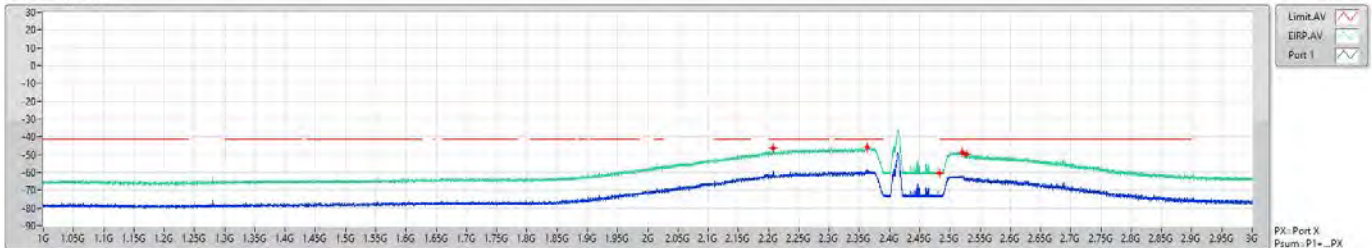


| F_Start(Hz) | F_Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|
| 1G          | 2.36G      | 1M      | PK   | 2.29751G | -28.22    | -21.20     | -7.02      | 13.00  | 0.00    | -41.22    | -41.22  |
| 2.36G       | 2.4G       | 1M      | PK   | 2.36496G | -35.19    | -21.20     | -13.99     | 13.00  | 0.00    | -48.19    | -48.19  |
| 2.4G        | 2.4835G    | 1M      | PK   | 2.4835G  | -50.50    | -21.20     | -29.30     | 13.00  | 0.00    | -63.50    | -63.50  |
| 2.4835G     | 2.5235G    | 1M      | PK   | 2.5198G  | -47.04    | -21.20     | -15.84     | 13.00  | 0.00    | -50.04    | -50.04  |
| 2.5235G     | 3G         | 1M      | PK   | 2.5316G  | -32.58    | -21.20     | -11.38     | 13.00  | 0.00    | -45.58    | -45.58  |

**802.11b\_Nss1,(1Mbps)\_1TX**

**CSE Other [AV]**

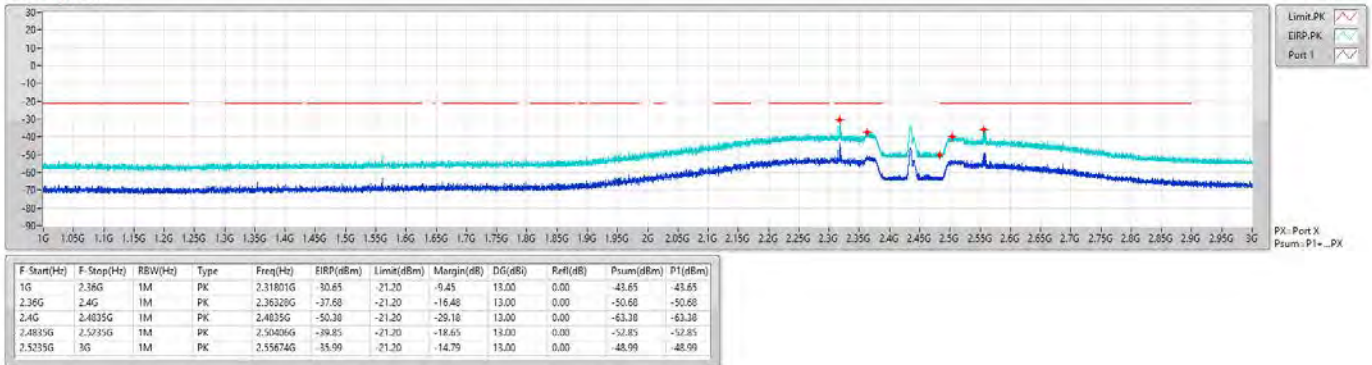
**2412MHz**



| F_Start(Hz) | F_Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|
| 1G          | 2.36G      | 1M      | AV   | 2.29802G | -46.38    | -41.20     | -5.08      | 13.00  | 0.00    | -59.28    | -59.28  |
| 2.36G       | 2.4G       | 1M      | AV   | 2.36376G | -45.79    | -41.20     | -4.59      | 13.00  | 0.00    | -58.79    | -58.79  |
| 2.4G        | 2.4835G    | 1M      | AV   | 2.4835G  | -60.27    | -41.20     | -19.07     | 13.00  | 0.00    | -73.27    | -73.27  |
| 2.4835G     | 2.5235G    | 1M      | AV   | 2.5208G  | -68.74    | -41.20     | -27.54     | 13.00  | 0.00    | -81.74    | -81.74  |
| 2.5235G     | 3G         | 1M      | AV   | 2.52755G | -69.74    | -41.20     | -28.54     | 13.00  | 0.00    | -82.74    | -82.74  |

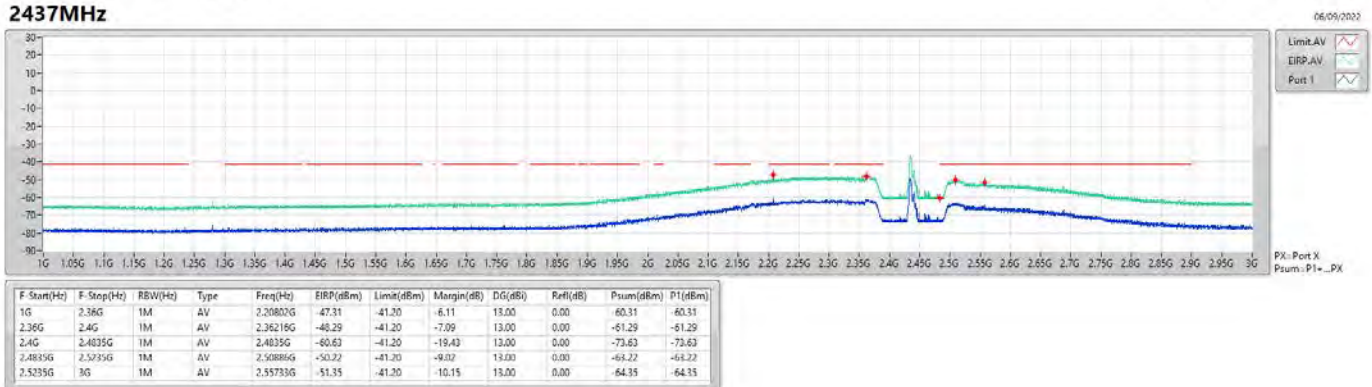
**802.11b\_Nss1,(1Mbps)\_1TX**  
**2437MHz**

**CSE Other [PK]**



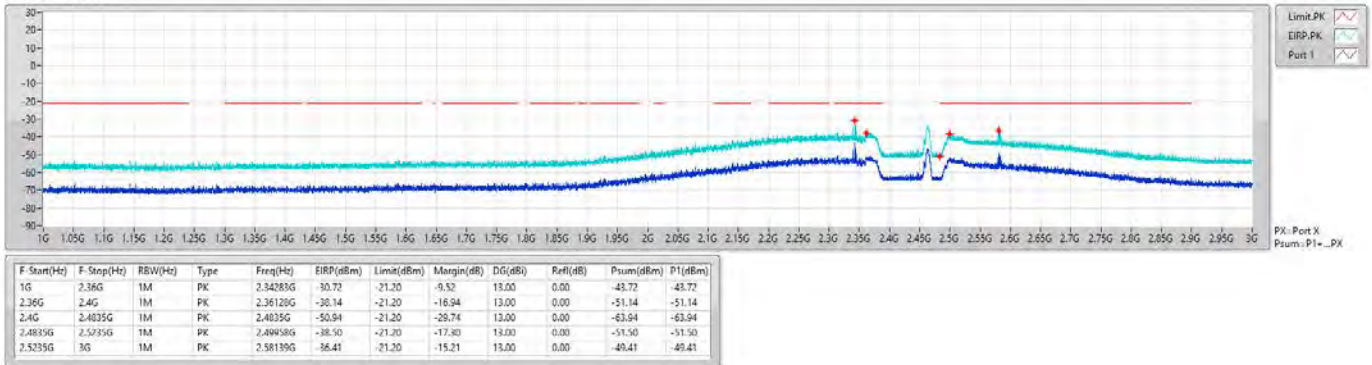
**802.11b\_Nss1,(1Mbps)\_1TX**  
**2437MHz**

**CSE Other [AV]**



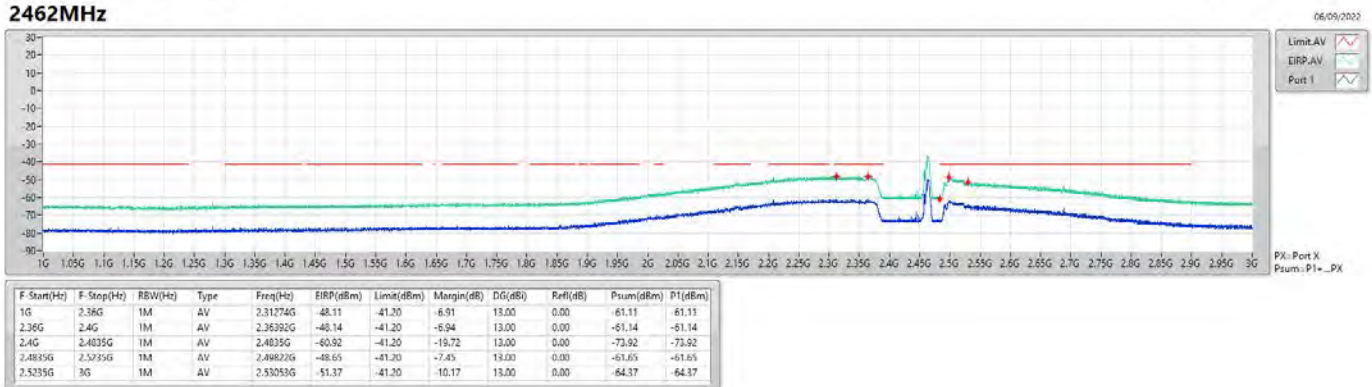
**802.11b\_Nss1,(1Mbps)\_1TX**  
**2462MHz**

**CSE Other [PK]**



**802.11b\_Nss1,(1Mbps)\_1TX**  
**2462MHz**

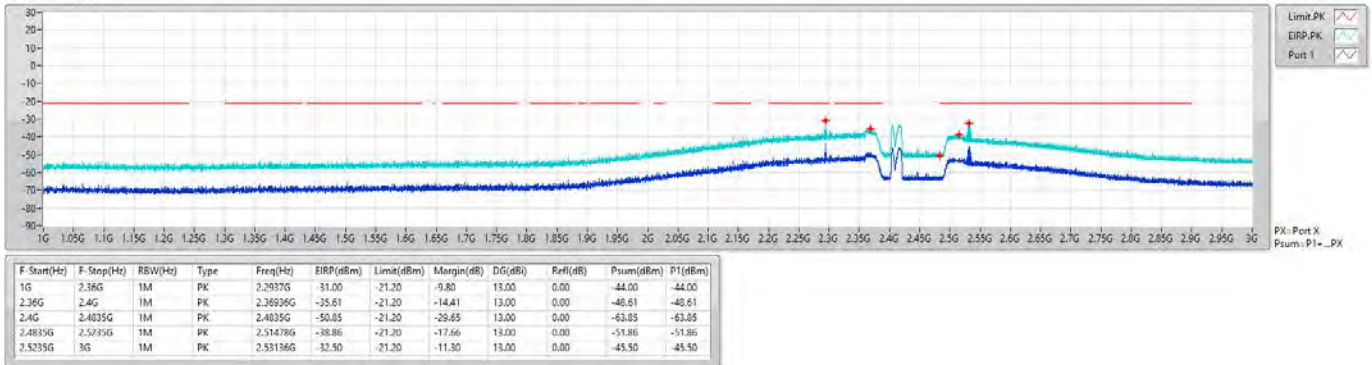
**CSE Other [AV]**



802.11g\_Nss1,(6Mbps)\_1TX

2412MHz

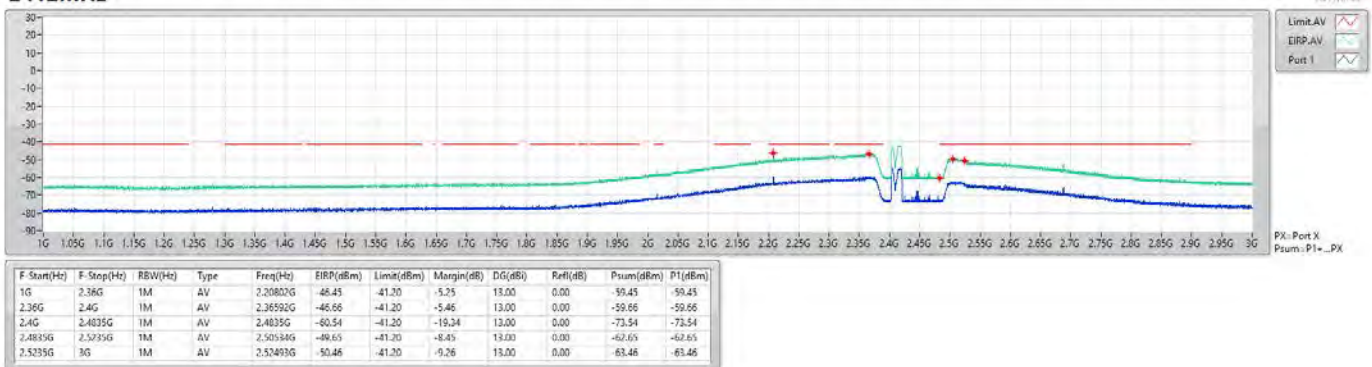
CSE Other [PK]



802.11g\_Nss1,(6Mbps)\_1TX

2412MHz

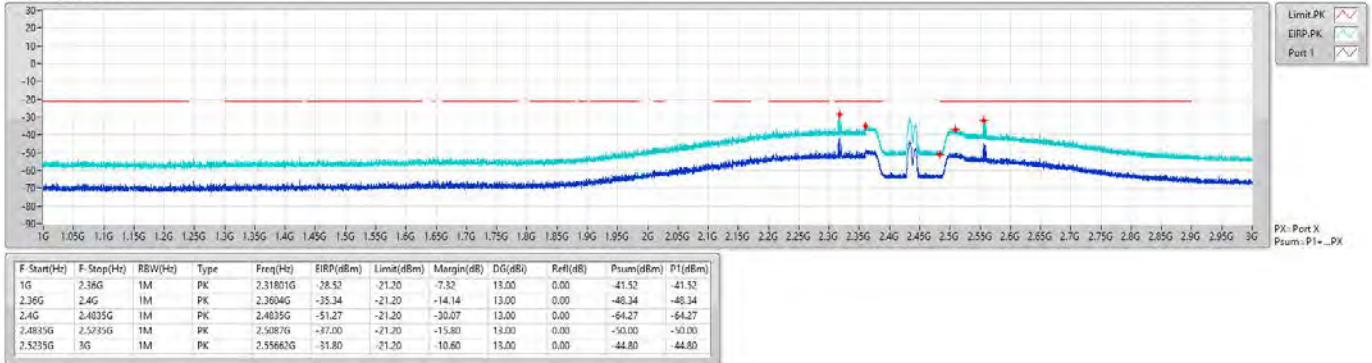
CSE Other [AV]



802.11g\_Nss1,(6Mbps)\_1TX

2437MHz

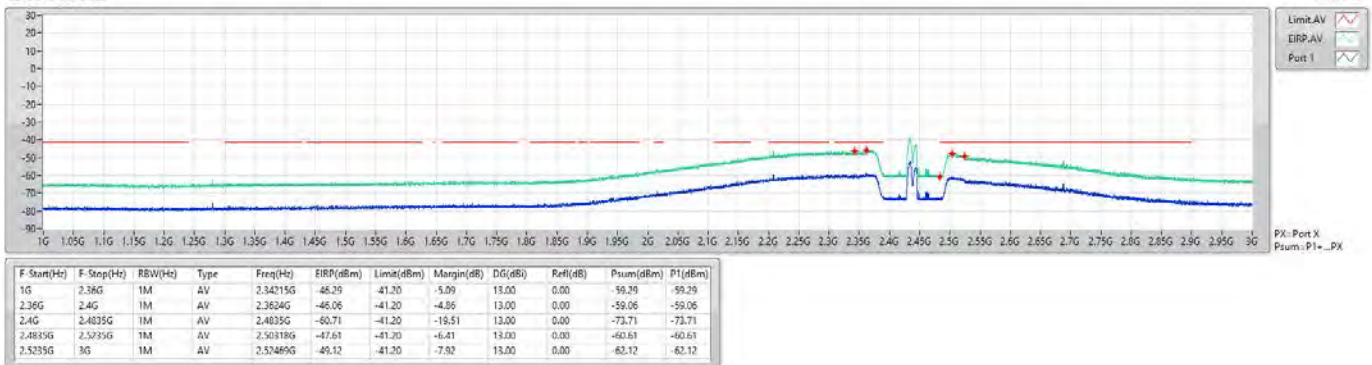
CSE Other [PK]



802.11g\_Nss1,(6Mbps)\_1TX

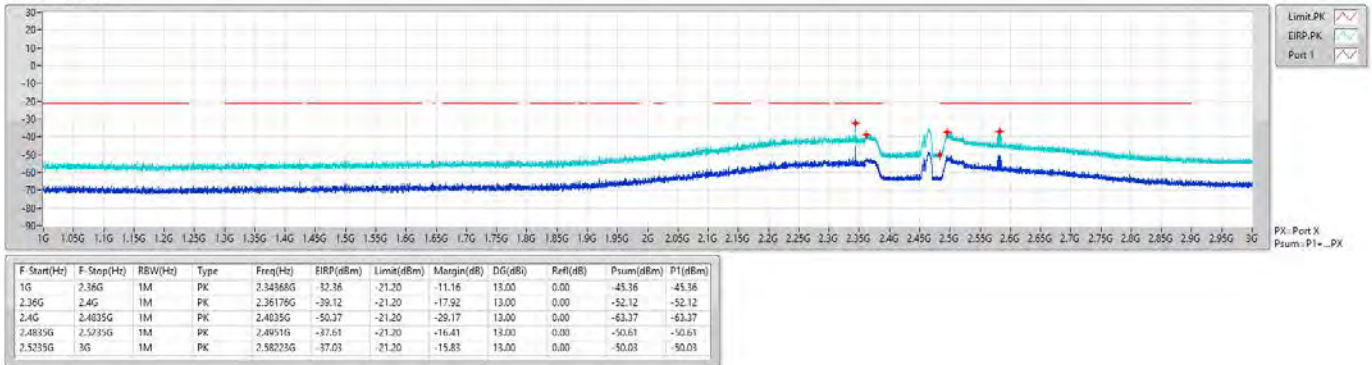
2437MHz

CSE Other [AV]



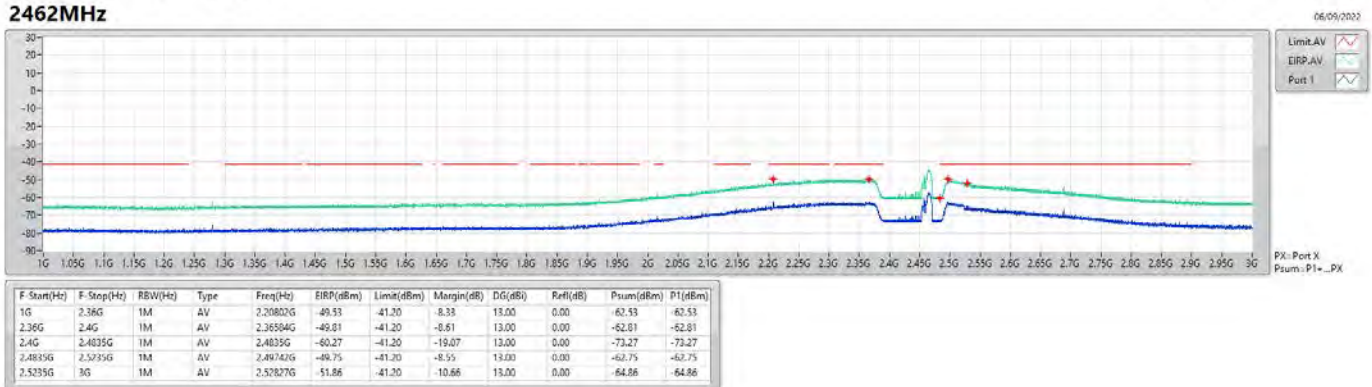
**802.11g\_Nss1,(6Mbps)\_1TX**  
**2462MHz**

**CSE Other [PK]**



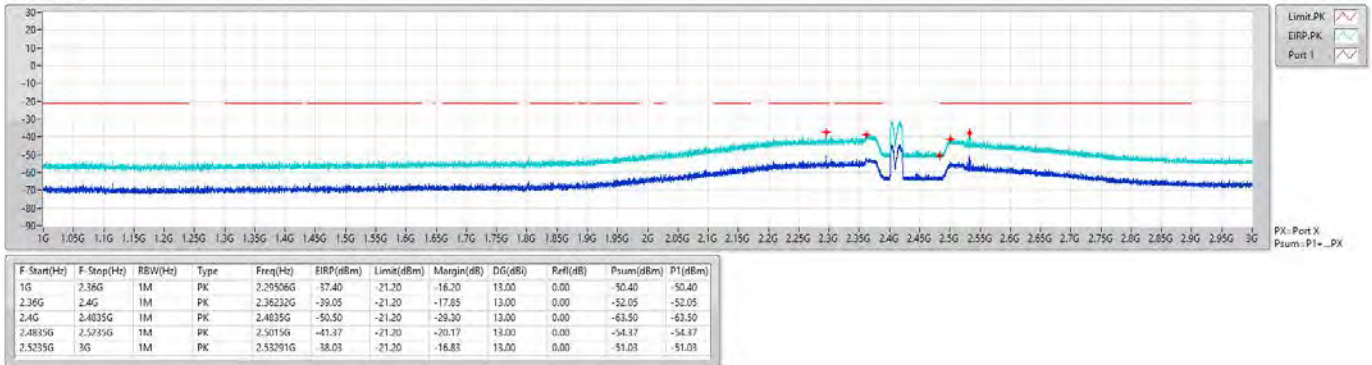
**802.11g\_Nss1,(6Mbps)\_1TX**  
**2462MHz**

**CSE Other [AV]**



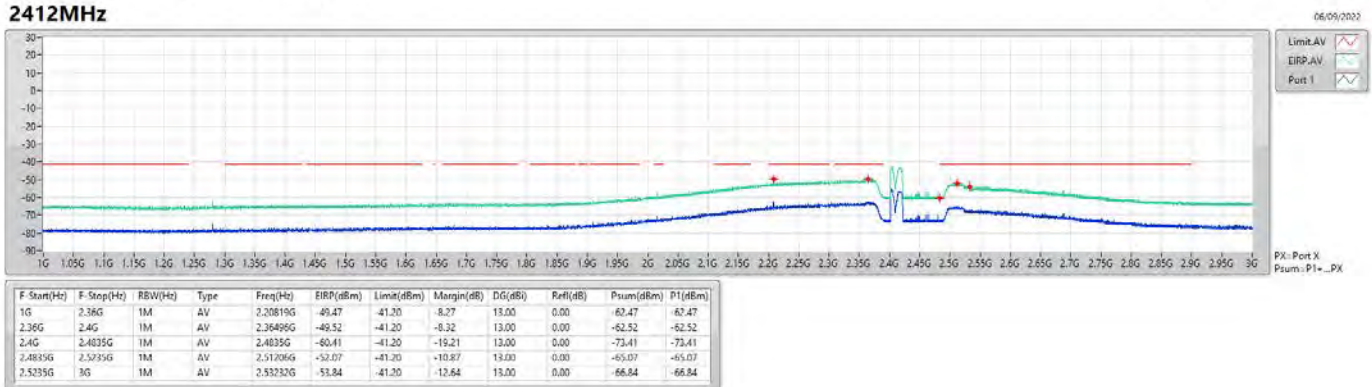
**802.11ax HEW20\_Nss1,(MCS0)\_1TX**  
**2412MHz**

**CSE Other [PK]**



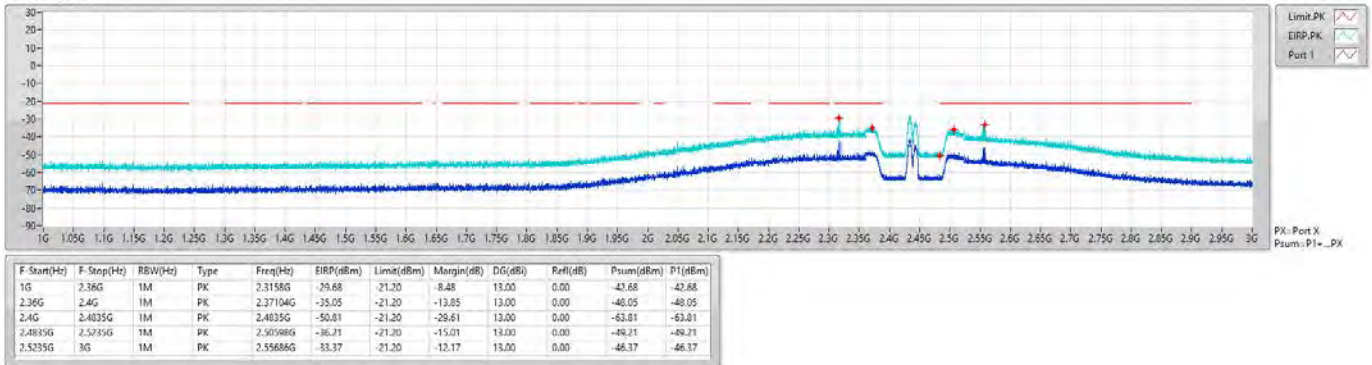
**802.11ax HEW20\_Nss1,(MCS0)\_1TX**  
**2412MHz**

**CSE Other [AV]**



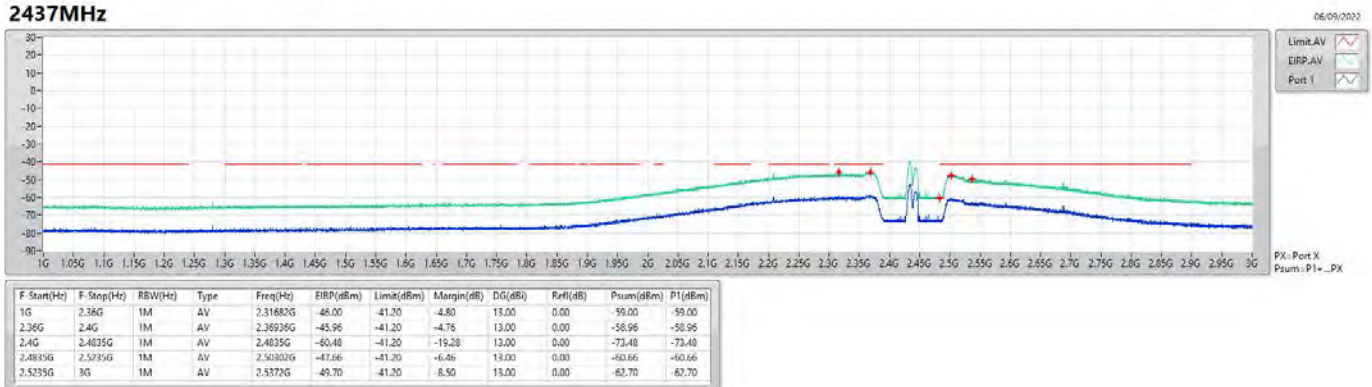
**802.11ax HEW20\_Nss1,(MCS0)\_1TX**  
**2437MHz**

**CSE Other [PK]**



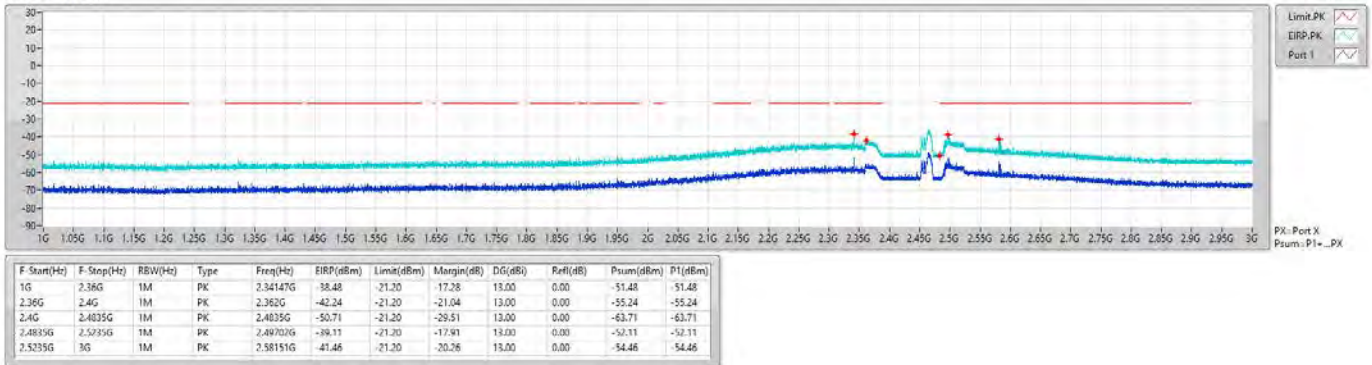
**802.11ax HEW20\_Nss1,(MCS0)\_1TX**  
**2437MHz**

**CSE Other [AV]**



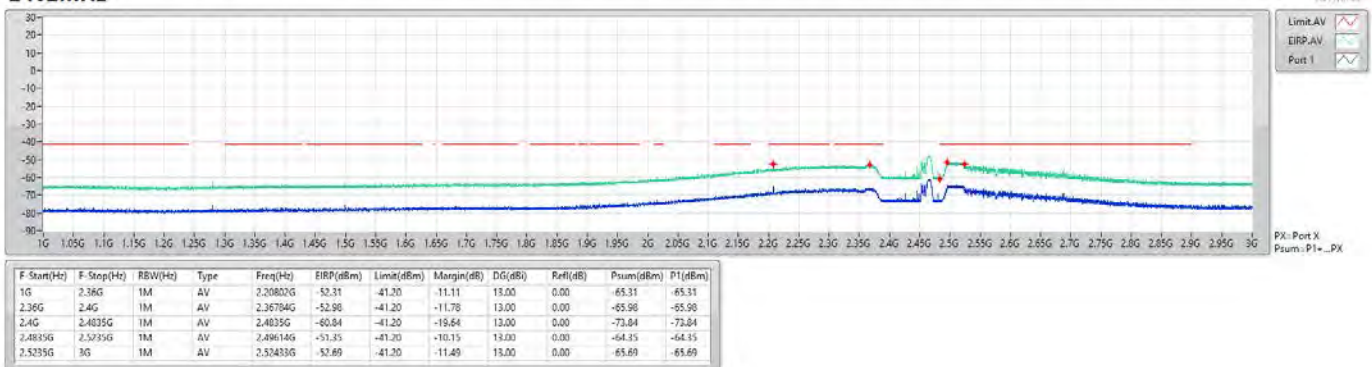
**802.11ax HEW20\_Nss1,(MCS0)\_1TX**  
**2462MHz**

**CSE Other [PK]**



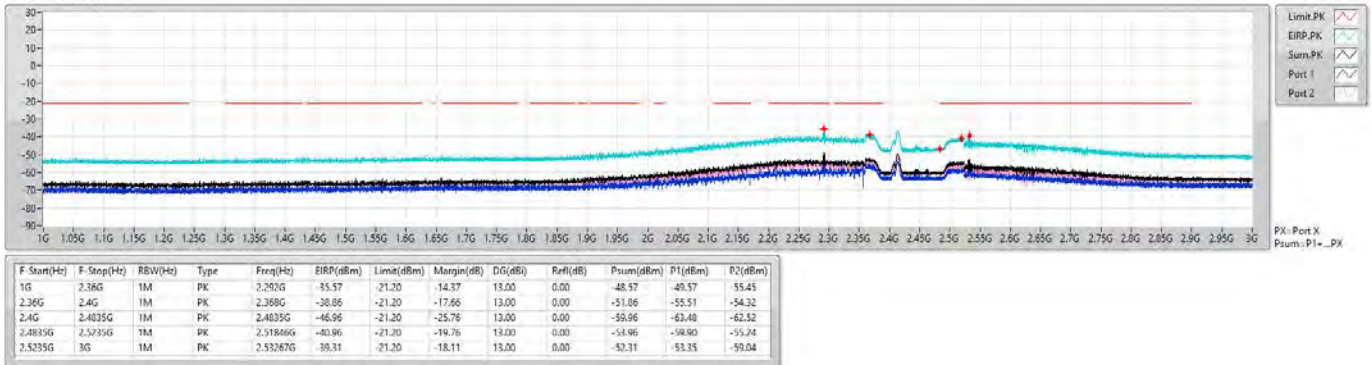
**802.11ax HEW20\_Nss1,(MCS0)\_1TX**  
**2462MHz**

**CSE Other [AV]**



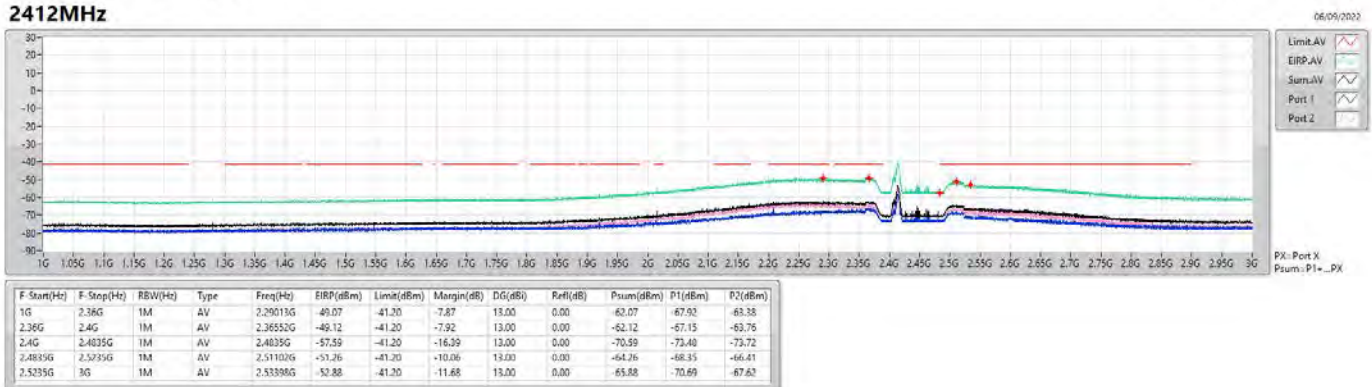
**802.11b\_Nss1,(1Mbps)\_2TX**  
**2412MHz**

**CSE Other [PK]**



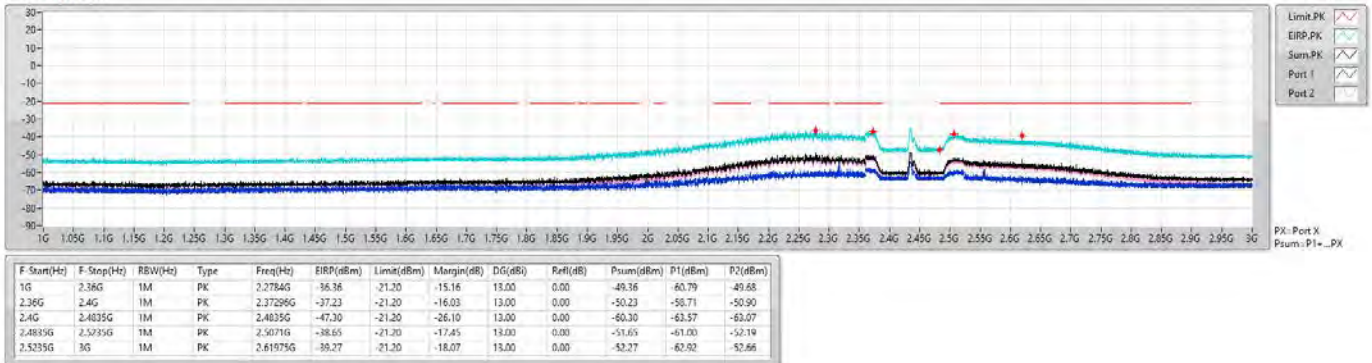
**802.11b\_Nss1,(1Mbps)\_2TX**  
**2412MHz**

**CSE Other [AV]**



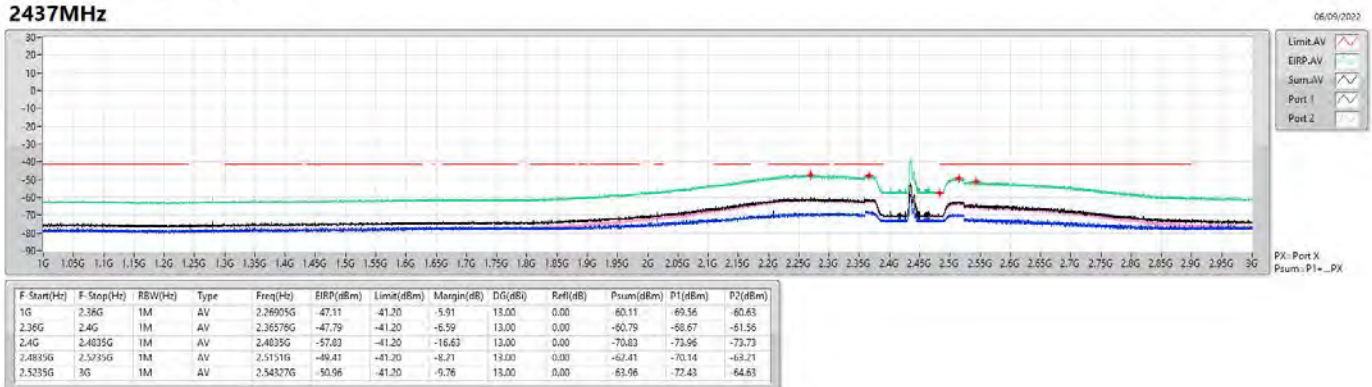
**802.11b\_Nss1,(1Mbps)\_2TX**  
**2437MHz**

**CSE Other [PK]**



**802.11b\_Nss1,(1Mbps)\_2TX**  
**2437MHz**

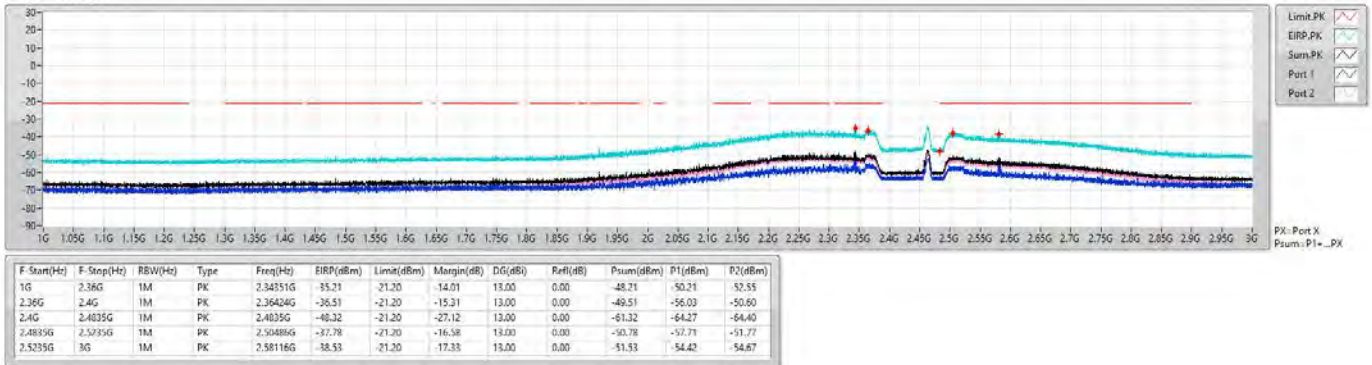
**CSE Other [AV]**



802.11b\_Nss1,(1Mbps)\_2TX

2462MHz

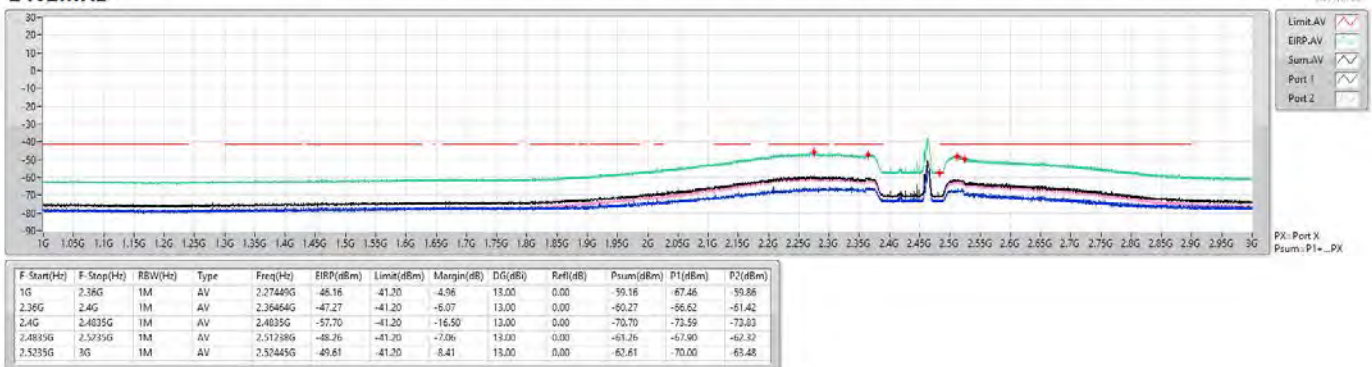
CSE Other [PK]



802.11b\_Nss1,(1Mbps)\_2TX

2462MHz

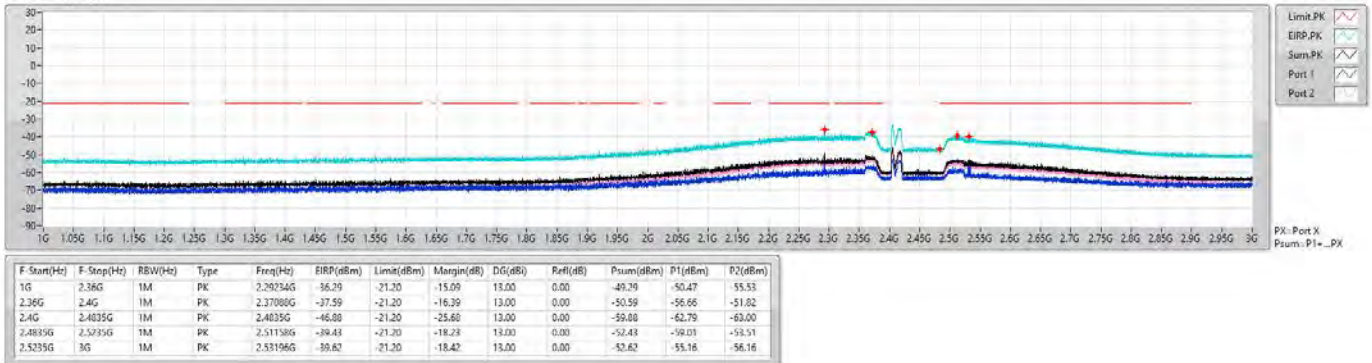
CSE Other [AV]



802.11g\_Nss1,(6Mbps)\_2TX

2412MHz

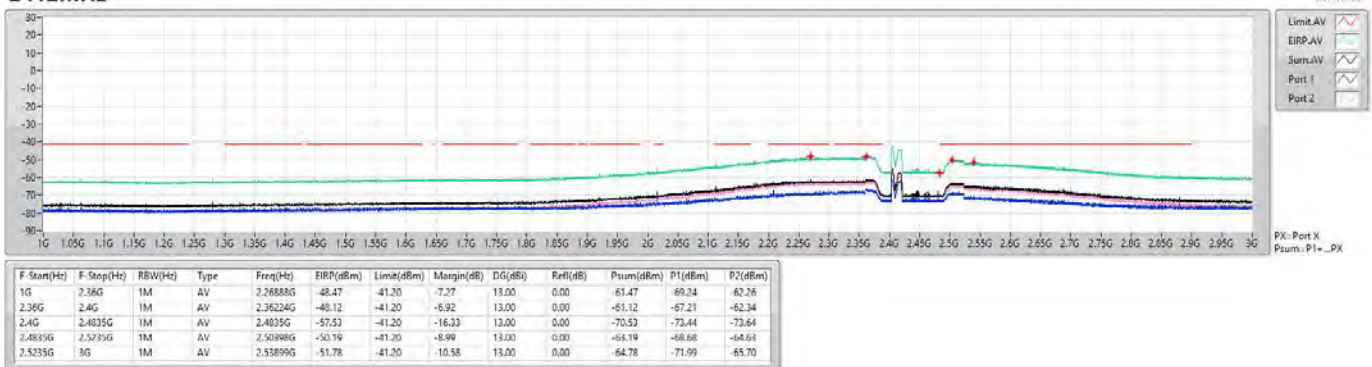
CSE Other [PK]



802.11g\_Nss1,(6Mbps)\_2TX

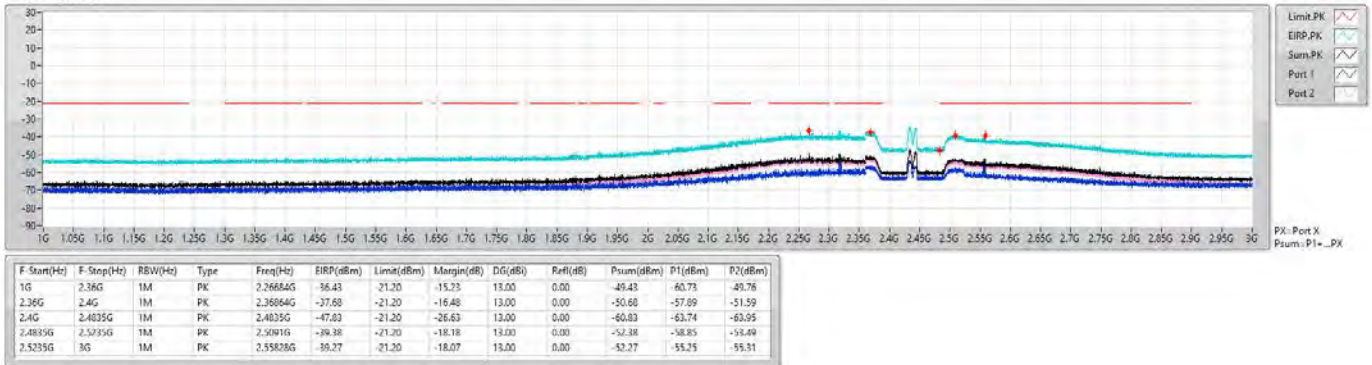
2412MHz

CSE Other [AV]



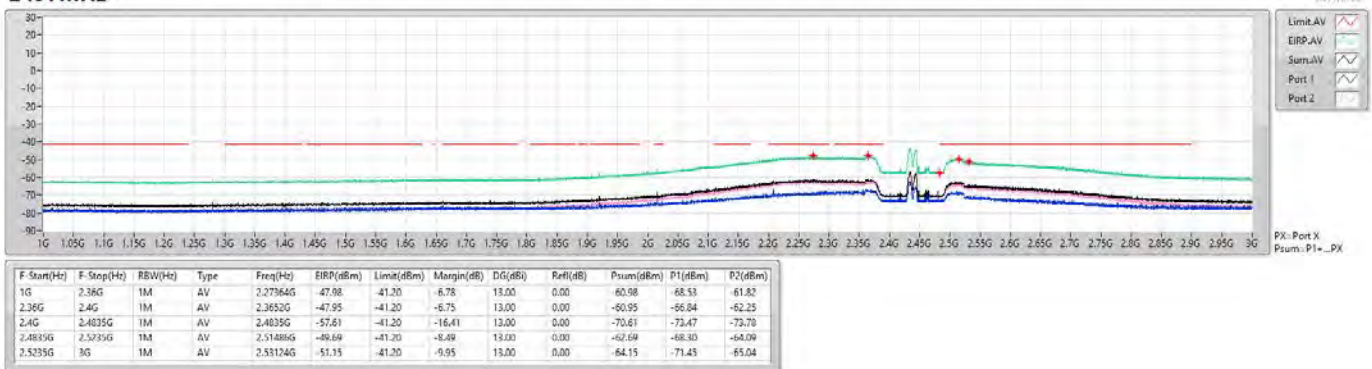
**802.11g\_Nss1,(6Mbps)\_2TX**  
**2437MHz**

**CSE Other [PK]**



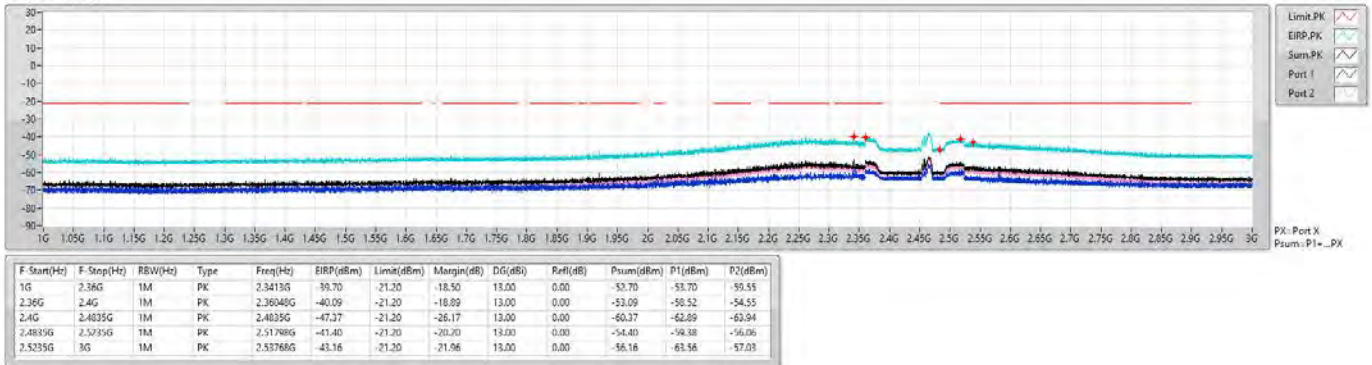
**802.11g\_Nss1,(6Mbps)\_2TX**  
**2437MHz**

**CSE Other [AV]**



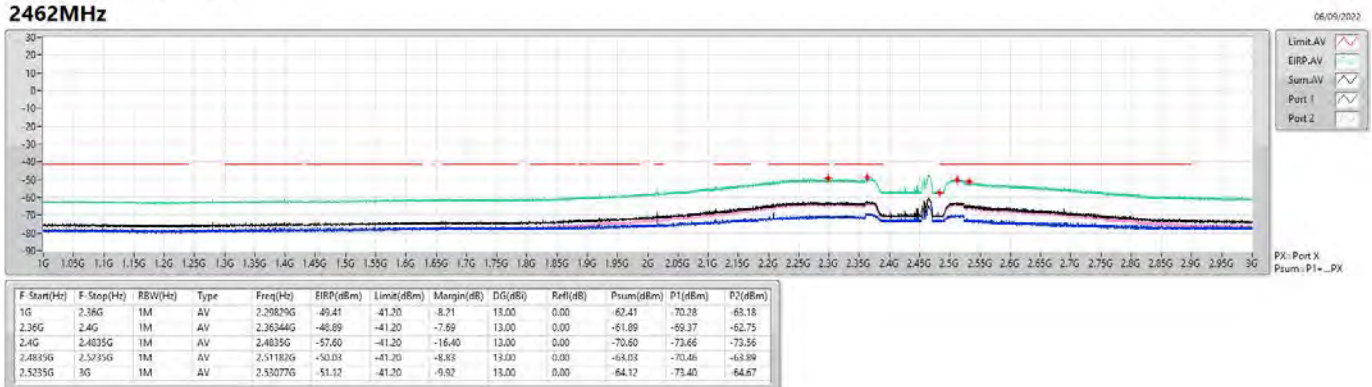
**802.11g\_Nss1,(6Mbps)\_2TX**  
**2462MHz**

**CSE Other [PK]**



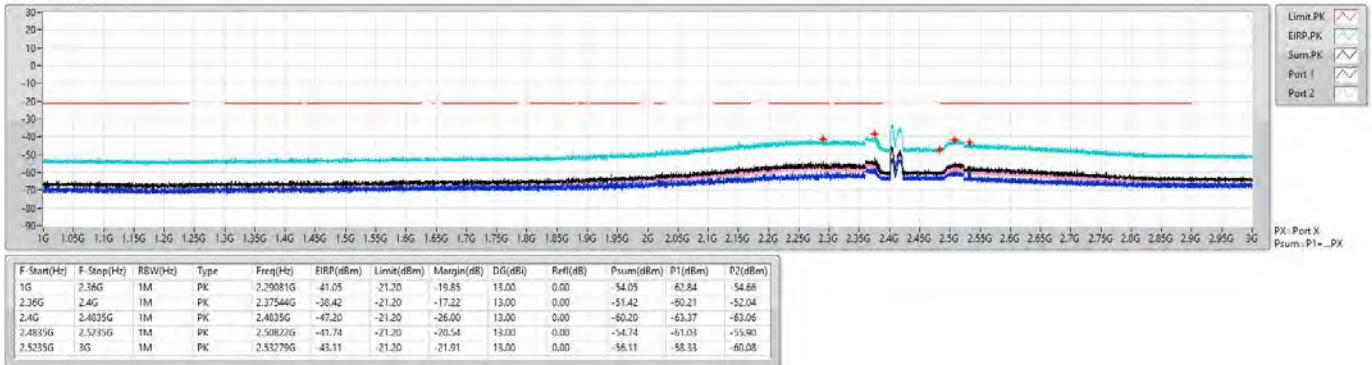
**802.11g\_Nss1,(6Mbps)\_2TX**  
**2462MHz**

**CSE Other [AV]**



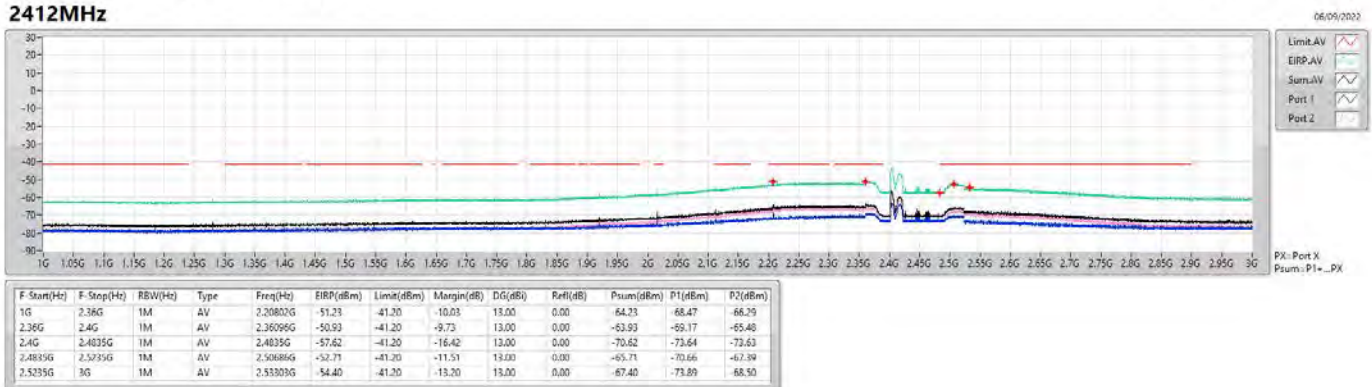
**802.11ax HEW20\_Nss1,(MCS0)\_2TX**  
**2412MHz**

**CSE Other [PK]**



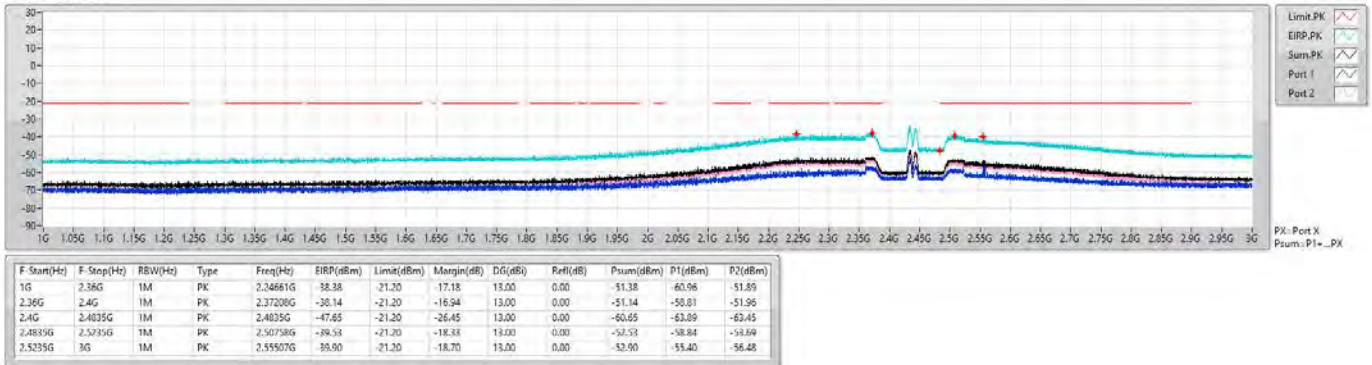
**802.11ax HEW20\_Nss1,(MCS0)\_2TX**  
**2412MHz**

**CSE Other [AV]**



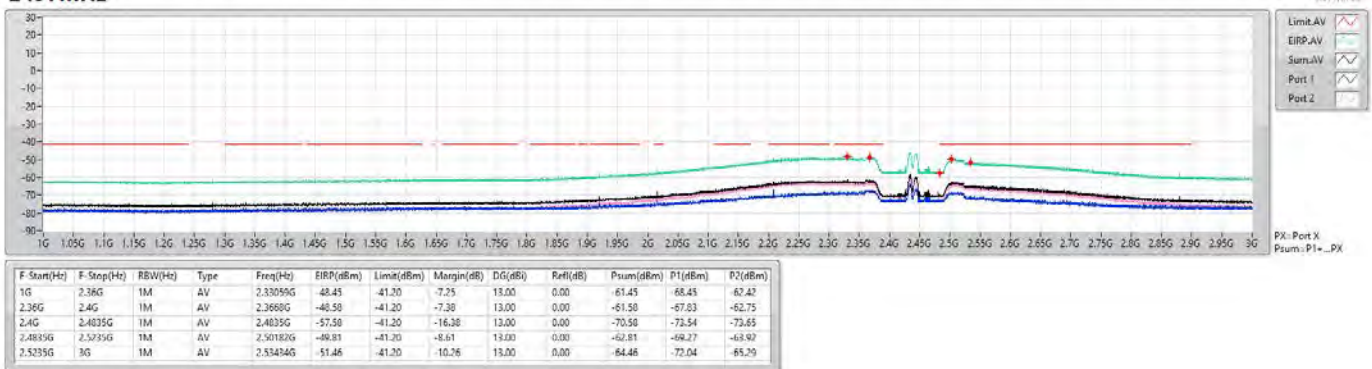
**802.11ax HEW20\_Nss1,(MCS0)\_2TX**  
**2437MHz**

**CSE Other [PK]**



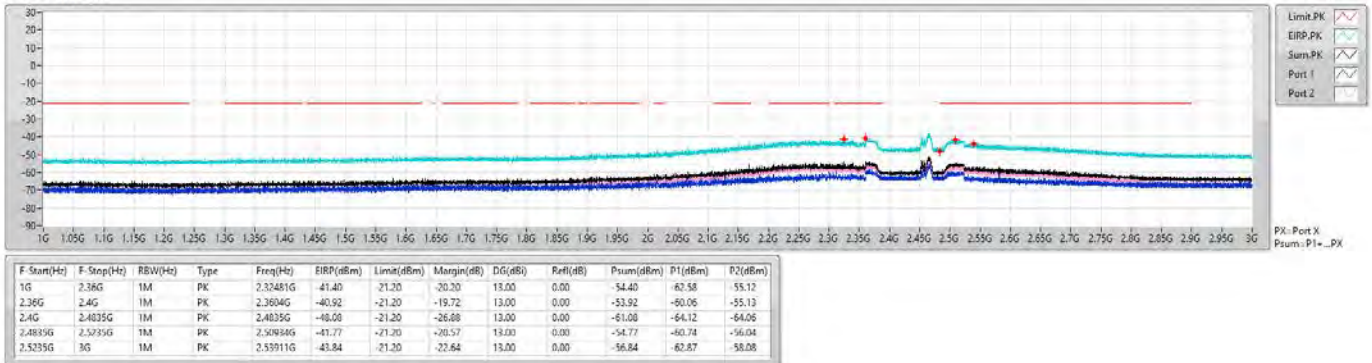
**802.11ax HEW20\_Nss1,(MCS0)\_2TX**  
**2437MHz**

**CSE Other [AV]**



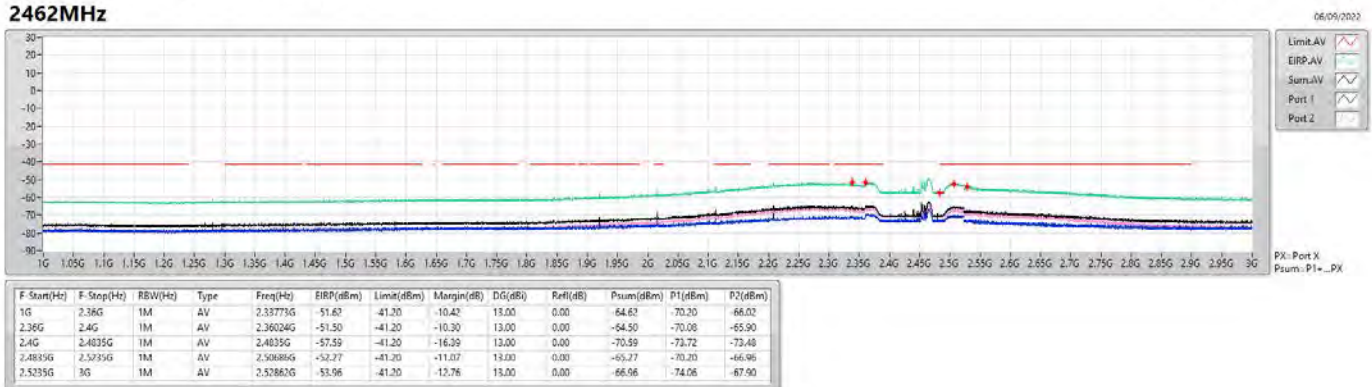
**802.11ax HEW20\_Nss1,(MCS0)\_2TX**  
**2462MHz**

**CSE Other [PK]**



**802.11ax HEW20\_Nss1,(MCS0)\_2TX**  
**2462MHz**

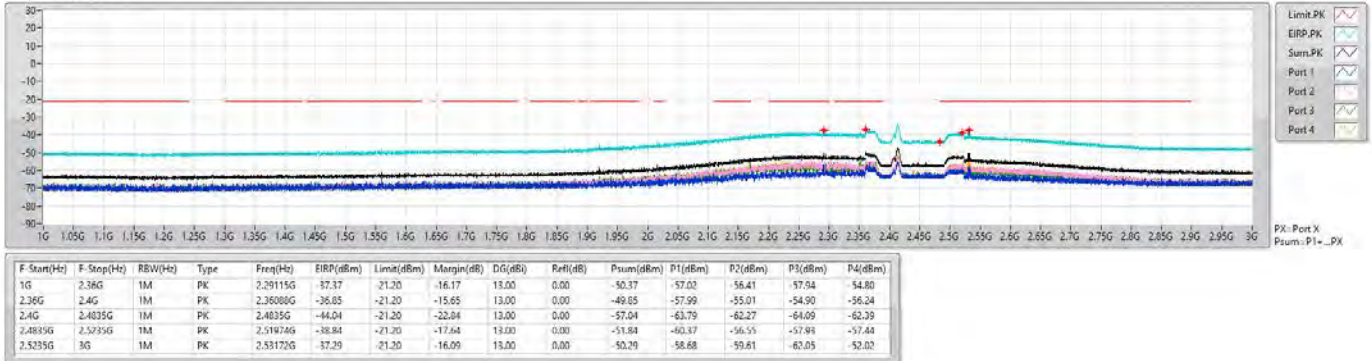
**CSE Other [AV]**



802.11b\_Nss1,(1Mbps)\_4TX

CSE Other [PK]

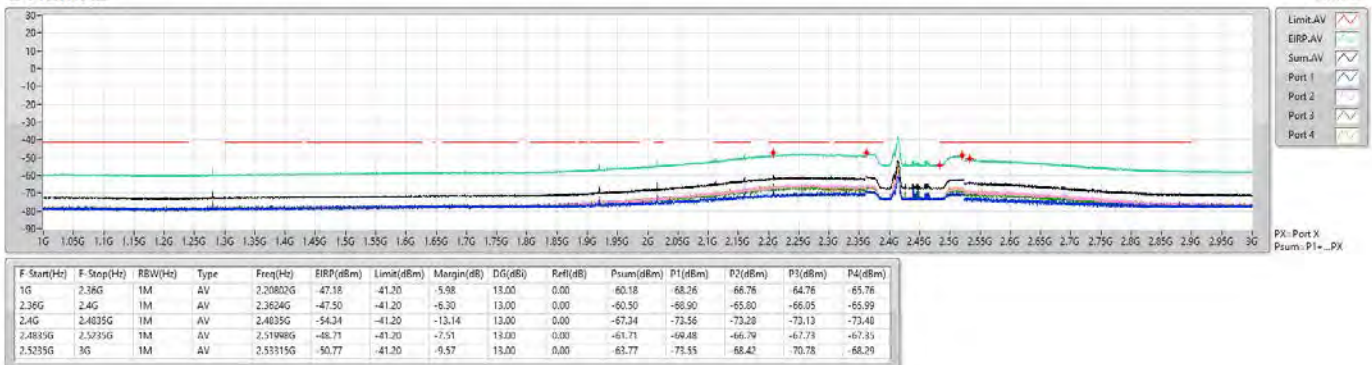
2412MHz



802.11b\_Nss1,(1Mbps)\_4TX

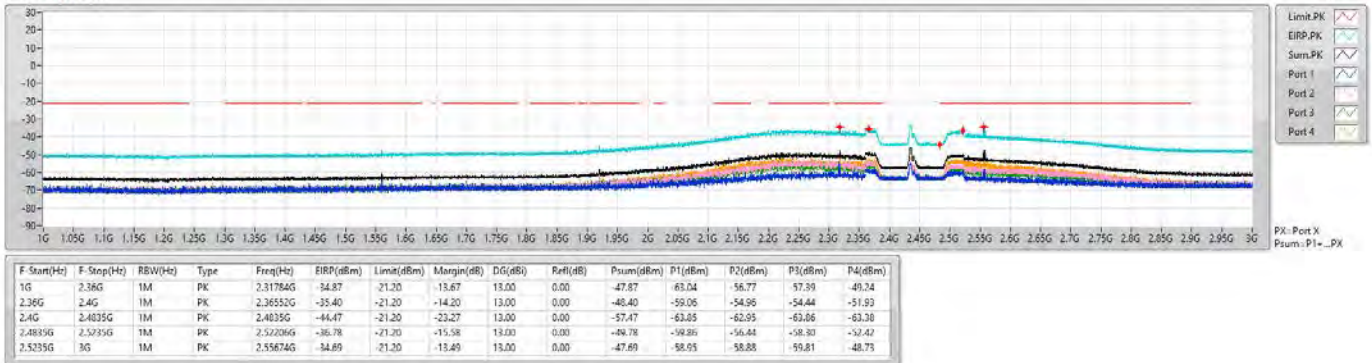
CSE Other [AV]

2412MHz



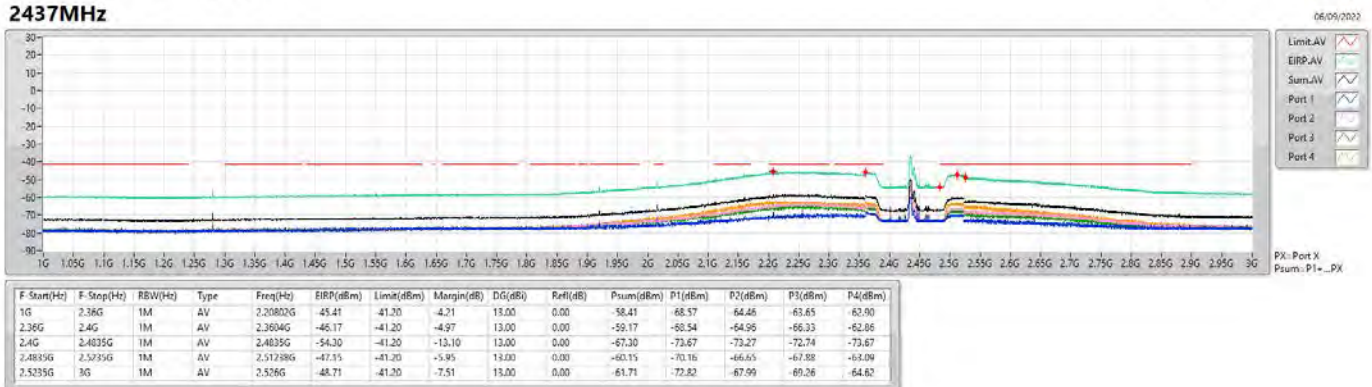
**802.11b\_Nss1,(1Mbps)\_4TX**  
**2437MHz**

**CSE Other [PK]**



**802.11b\_Nss1,(1Mbps)\_4TX**  
**2437MHz**

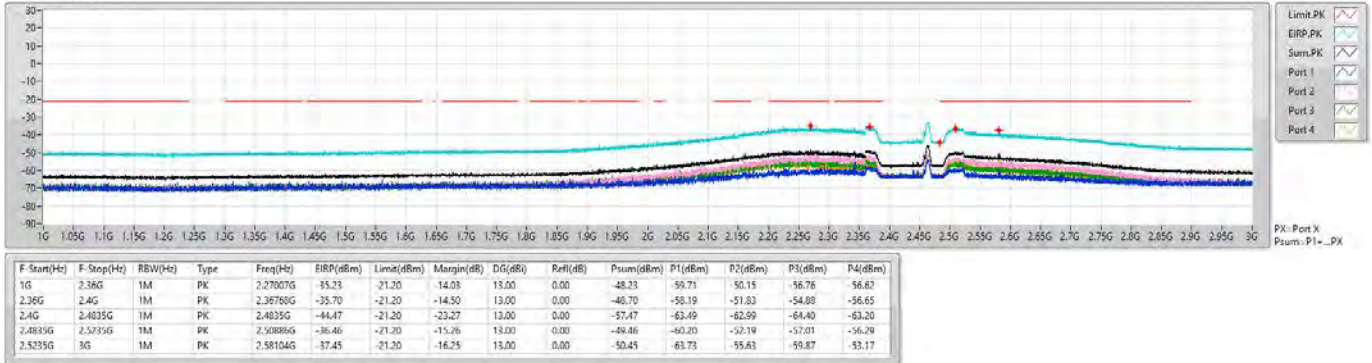
**CSE Other [AV]**



802.11b\_Nss1,(1Mbps)\_4TX

2462MHz

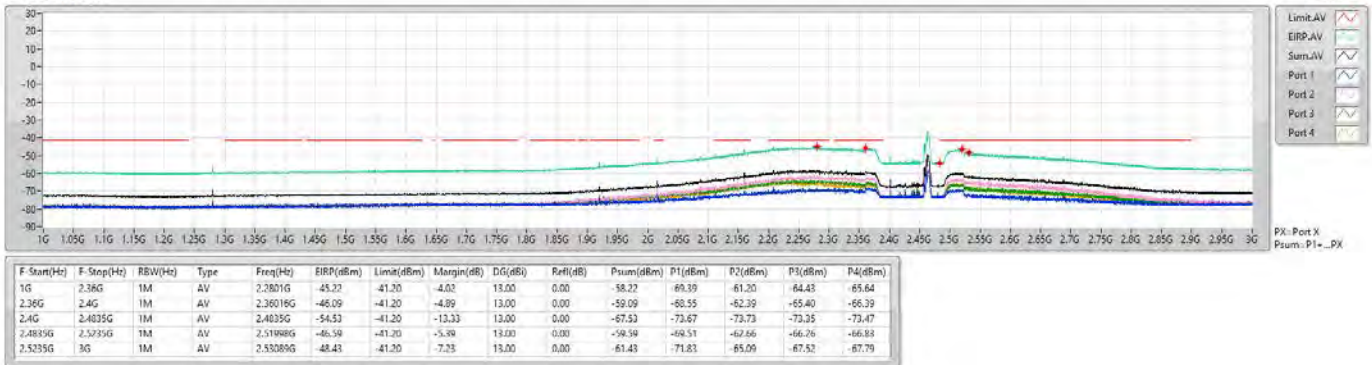
CSE Other [PK]



802.11b\_Nss1,(1Mbps)\_4TX

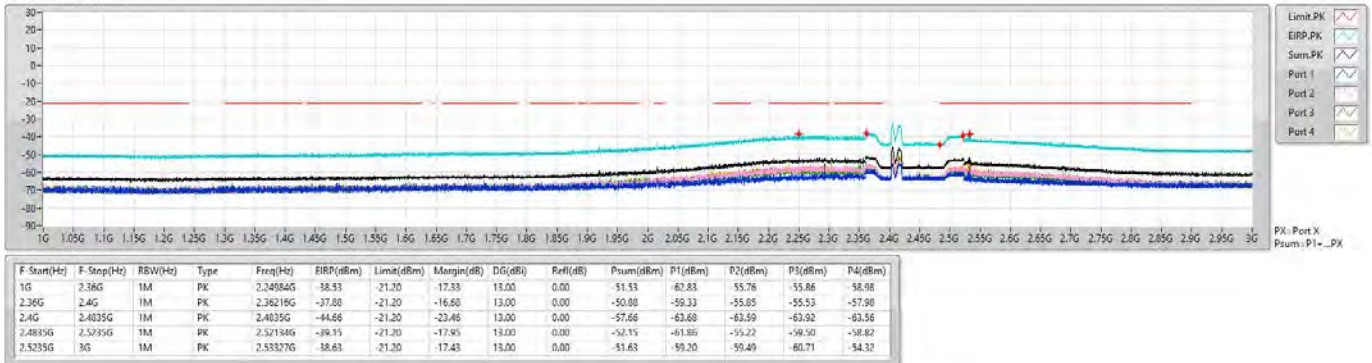
2462MHz

CSE Other [AV]



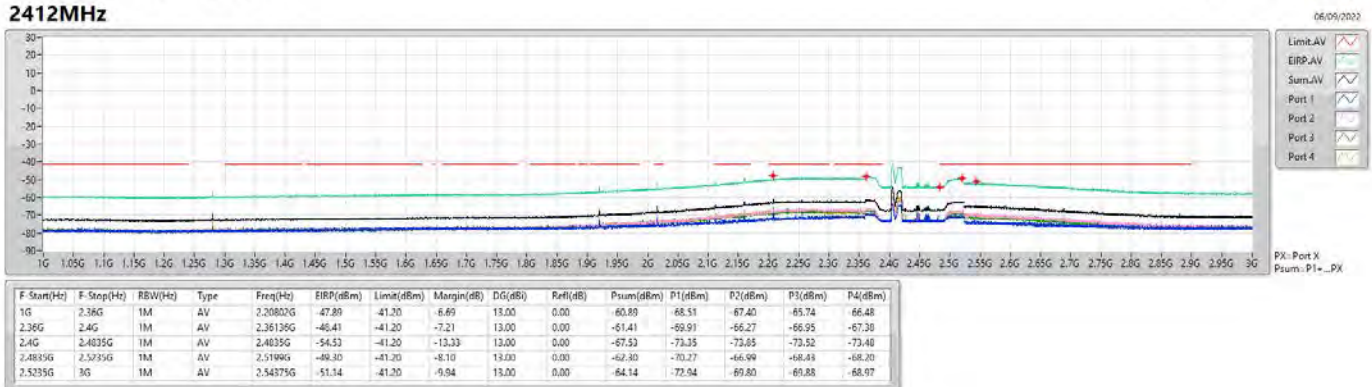
**802.11g\_Nss1,(6Mbps)\_4TX**  
**2412MHz**

**CSE Other [PK]**



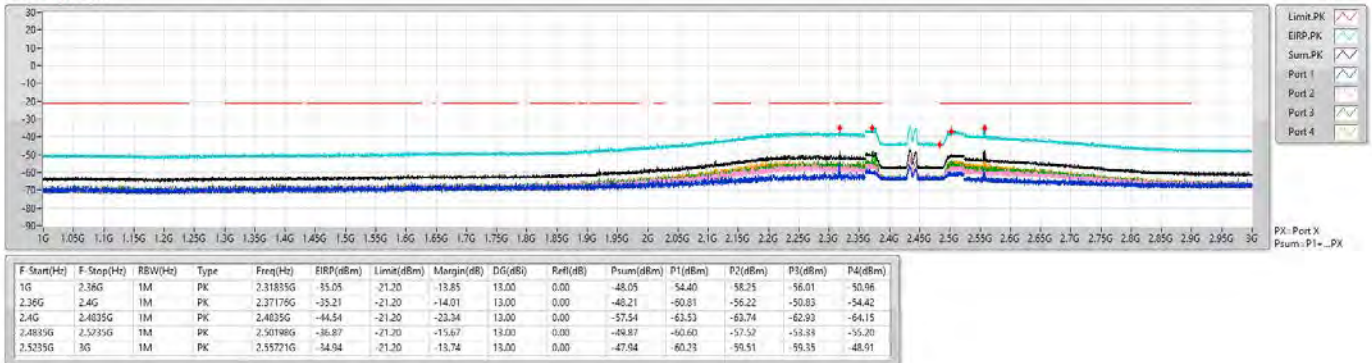
**802.11g\_Nss1,(6Mbps)\_4TX**  
**2412MHz**

**CSE Other [AV]**



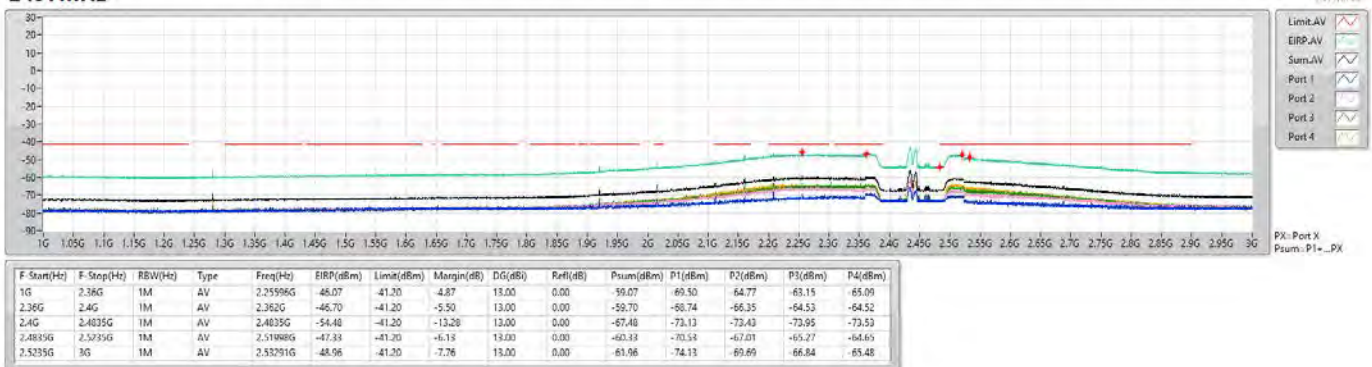
**802.11g\_Nss1,(6Mbps)\_4TX**  
**2437MHz**

**CSE Other [PK]**



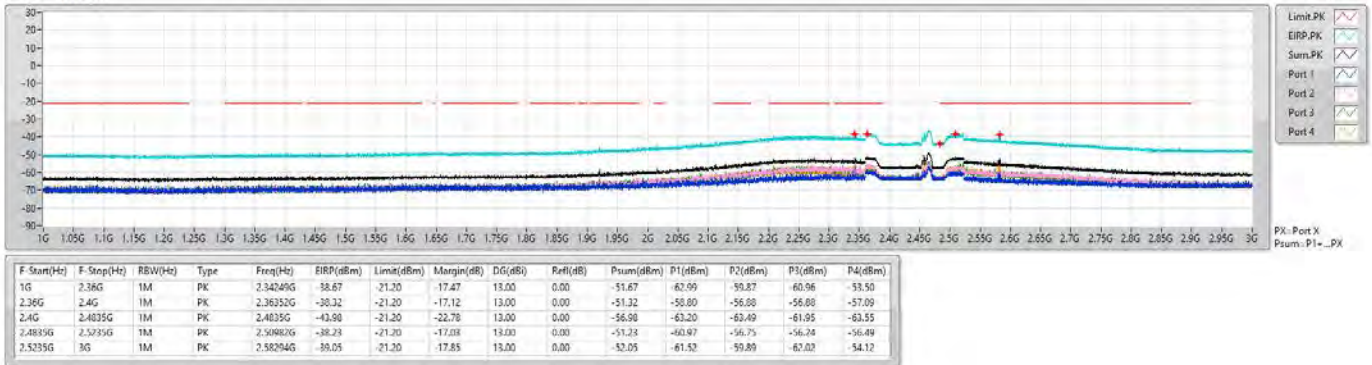
**802.11g\_Nss1,(6Mbps)\_4TX**  
**2437MHz**

**CSE Other [AV]**



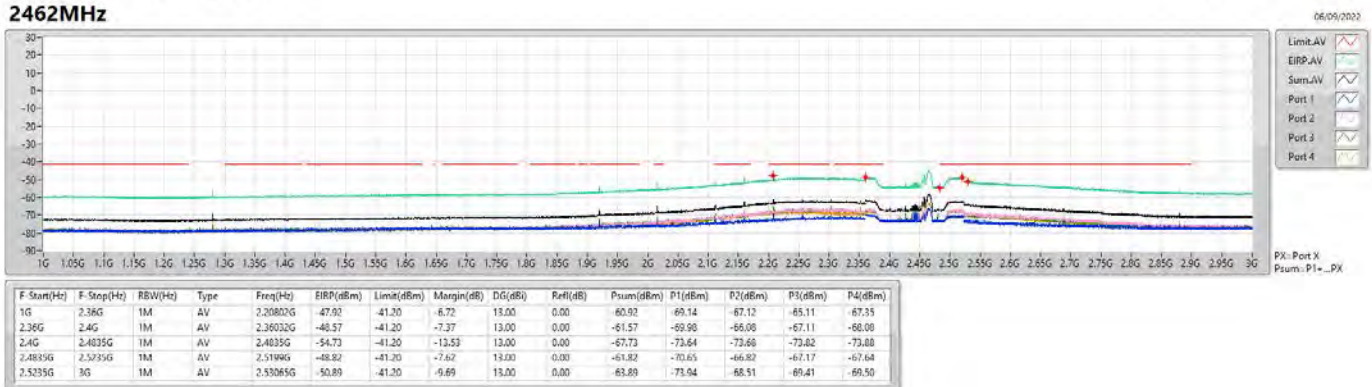
**802.11g\_Nss1,(6Mbps)\_4TX**  
**2462MHz**

**CSE Other [PK]**



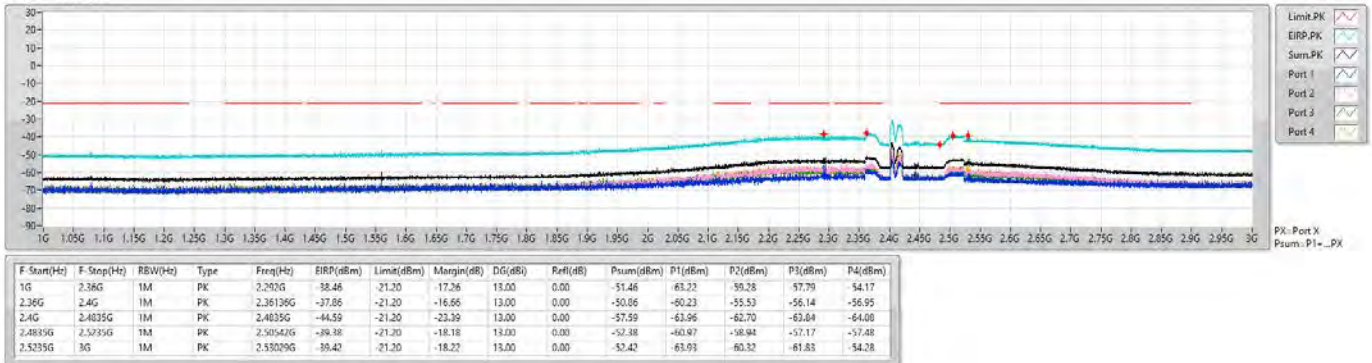
**802.11g\_Nss1,(6Mbps)\_4TX**  
**2462MHz**

**CSE Other [AV]**



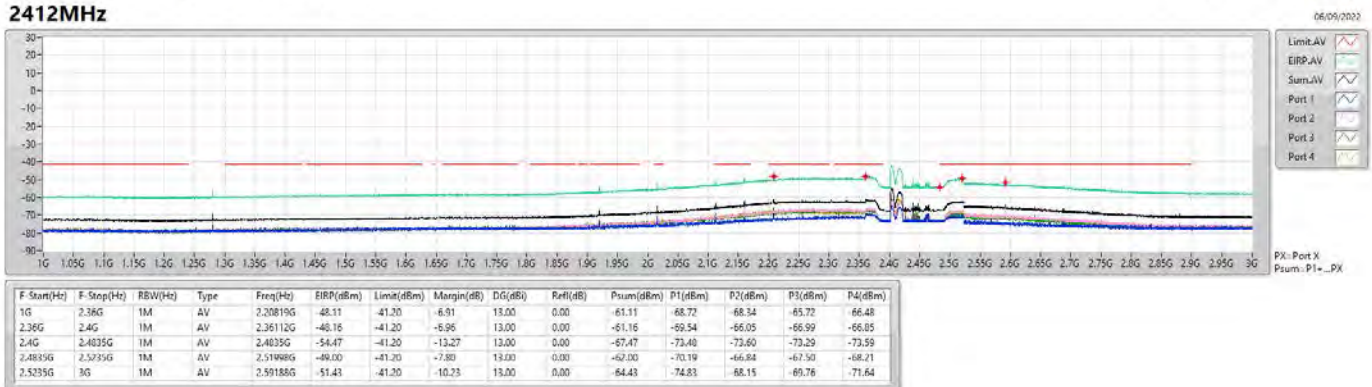
**802.11ax HEW20\_Nss1,(MCS0)\_4TX**  
**2412MHz**

**CSE Other [PK]**



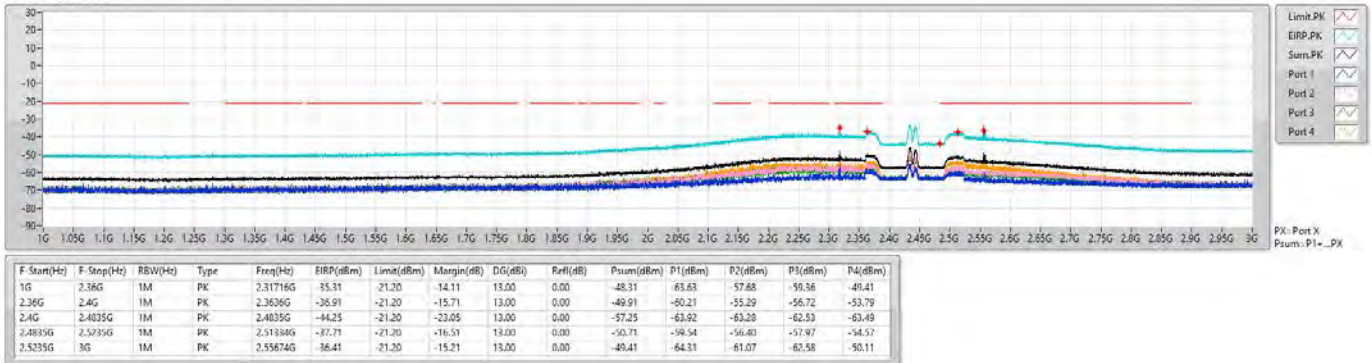
**802.11ax HEW20\_Nss1,(MCS0)\_4TX**  
**2412MHz**

**CSE Other [AV]**



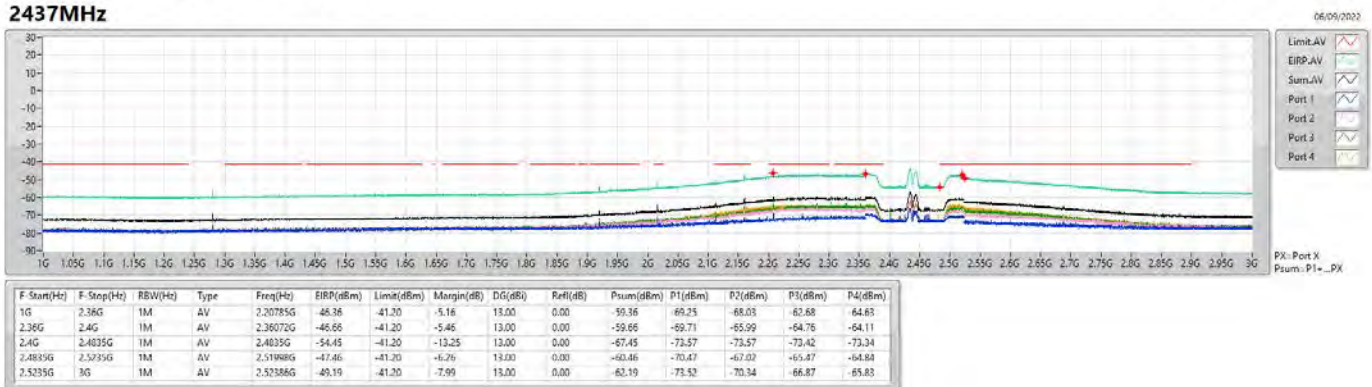
**802.11ax HEW20\_Nss1,(MCS0)\_4TX**  
**2437MHz**

**CSE Other [PK]**



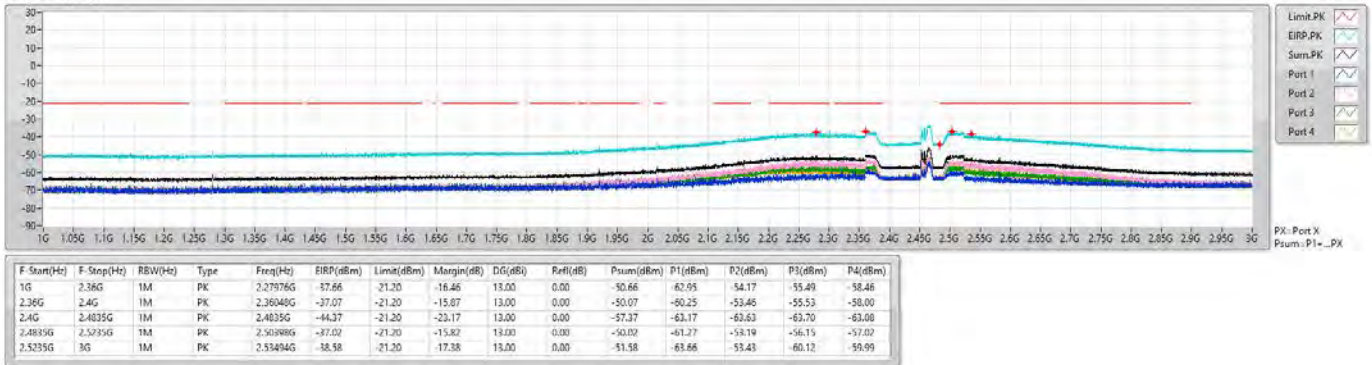
**802.11ax HEW20\_Nss1,(MCS0)\_4TX**  
**2437MHz**

**CSE Other [AV]**



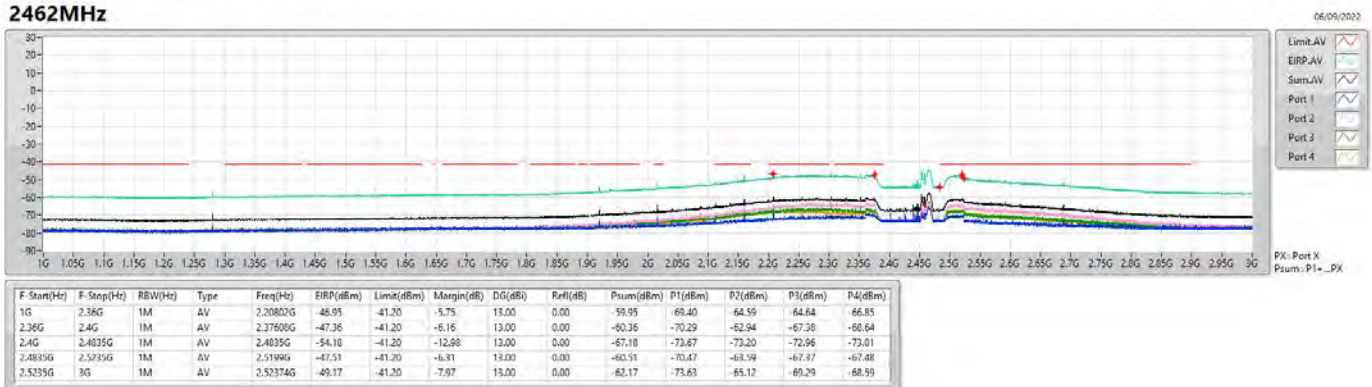
**802.11ax HEW20\_Nss1,(MCS0)\_4TX**  
**2462MHz**

**CSE Other [PK]**



**802.11ax HEW20\_Nss1,(MCS0)\_4TX**  
**2462MHz**

**CSE Other [AV]**





**CSE (Restricted Band)\_Iron R1\_Antenna set 2**  
**(Harmonic 3GHz ~ 25GHz)\_P to M\_P to P**

**Appendix F.7**

**Summary**

| Mode                           | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | Type | Freq<br>(Hz) | DG<br>(dBi) | P1<br>(dBm) | P2<br>(dBm) | P3<br>(dBm) | P4<br>(dBm) | Psum<br>(dBm) | EIRP<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------------------|--------|-----------------|----------------|------|--------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|----------------|----------------|
| 2.4-2.4835GHz                  | -      | -               | -              | -    | -            | -           | -           | -           | -           | -           | -             | -             | -              | -              |
| 802.11b_Nss1,(1Mbps)_1TX       | Pass   | 3G              | 7.5G           | AV   | 7.31213G     | 13.00       | -66.18      |             |             |             | -66.18        | -53.18        | -41.20         | -11.98         |
| 802.11g_Nss1,(6Mbps)_1TX       | Pass   | 3G              | 7.5G           | AV   | 7.47863G     | 13.00       | -70.28      |             |             |             | -70.28        | -57.28        | -41.20         | -16.08         |
| 802.11ax HEW20_Nss1,(MCS0)_1TX | Pass   | 7.5G            | 25G            | AV   | 22.12563G    | 13.00       | -70.48      |             |             |             | -70.48        | -57.48        | -41.20         | -16.28         |
| 802.11b_Nss1,(1Mbps)_2TX       | Pass   | 3G              | 7.5G           | AV   | 7.4955G      | 13.00       | -70.44      | -71.17      |             |             | -67.78        | -54.78        | -41.20         | -13.58         |
| 802.11g_Nss1,(6Mbps)_2TX       | Pass   | 7.5G            | 25G            | AV   | 22.11031G    | 13.00       | -70.85      | -70.80      |             |             | -67.81        | -54.81        | -41.20         | -13.61         |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | Pass   | 3G              | 7.5G           | AV   | 7.48256G     | 13.00       | -70.65      | -71.14      |             |             | -67.88        | -54.88        | -41.20         | -13.68         |
| 802.11b_Nss1,(1Mbps)_4TX       | Pass   | 7.5G            | 25G            | AV   | 22.1475G     | 13.00       | -71.02      | -71.19      | -71.38      | -70.38      | -64.96        | -51.96        | -41.20         | -10.76         |
| 802.11g_Nss1,(6Mbps)_4TX       | Pass   | 3G              | 7.5G           | AV   | 7.49438G     | 13.00       | -71.19      | -71.23      | -70.95      | -70.80      | -65.02        | -52.02        | -41.20         | -10.82         |
| 802.11ax HEW20_Nss1,(MCS0)_4TX | Pass   | 7.5G            | 25G            | AV   | 22.17156G    | 13.00       | -70.97      | -71.53      | -71.07      | -70.85      | -65.08        | -52.08        | -41.20         | -10.88         |

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX



**CSE (Restricted Band)\_Iron R1\_Antenna set 2**  
**(Harmonic 3GHz ~ 25GHz)\_P to M\_P to P**

**Appendix F.7**

**Result**

| Mode                           | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | Type | Freq<br>(Hz) | DG<br>(dBi) | P1<br>(dBm) | P2<br>(dBm) | P3<br>(dBm) | P4<br>(dBm) | Psum<br>(dBm) | EIRP<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------------------|--------|-----------------|----------------|------|--------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|----------------|----------------|
| 802.11b_Nss1(1Mbps)_1TX        | -      | -               | -              | -    | -            | -           | -           | -           | -           | -           | -             | -             | -              | -              |
| 2412MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.81013G     | 13.00       | -73.88      |             |             |             | -73.88        | -60.88        | -41.20         | -19.68         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.49888G     | 13.00       | -70.97      |             |             |             | -70.97        | -57.97        | -41.20         | -16.77         |
| 2412MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.15188G    | 13.00       | -70.78      |             |             |             | -70.78        | -57.78        | -41.20         | -16.58         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.83713G     | 13.00       | -64.17      |             |             |             | -64.17        | -51.17        | -21.20         | -29.97         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.42744G     | 13.00       | -60.70      |             |             |             | -60.70        | -47.70        | -21.20         | -26.50         |
| 2412MHz                        | Pass   | 7.5G            | 25G            | PK   | 22.04906G    | 13.00       | -60.42      |             |             |             | -60.42        | -47.42        | -21.20         | -26.22         |
| 2417MHz                        |        |                 |                |      |              |             |             |             |             |             |               |               |                |                |
| 2437MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.87369G     | 13.00       | -68.22      |             |             |             | -68.22        | -55.22        | -41.20         | -14.02         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.31213G     | 13.00       | -66.18      |             |             |             | -66.18        | -53.18        | -41.20         | -11.98         |
| 2437MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.18906G    | 13.00       | -70.45      |             |             |             | -70.45        | -57.45        | -41.20         | -16.25         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.87425G     | 13.00       | -61.08      |             |             |             | -61.08        | -48.08        | -21.20         | -26.88         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.31213G     | 13.00       | -59.57      |             |             |             | -59.57        | -46.57        | -21.20         | -25.37         |
| 2437MHz                        | Pass   | 7.5G            | 25G            | PK   | 8.49225G     | 13.00       | -64.08      |             |             |             | -64.08        | -51.08        | -21.20         | -29.88         |
| 2457MHz                        |        |                 |                |      |              |             |             |             |             |             |               |               |                |                |
| 2462MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.90575G     | 13.00       | -74.39      |             |             |             | -74.39        | -61.39        | -41.20         | -20.19         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.44994G     | 13.00       | -70.56      |             |             |             | -70.56        | -57.56        | -41.20         | -16.36         |
| 2462MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.19125G    | 13.00       | -70.68      |             |             |             | -70.68        | -57.68        | -41.20         | -16.48         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.90688G     | 13.00       | -64.37      |             |             |             | -64.37        | -51.37        | -21.20         | -30.17         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.3875G      | 13.00       | -61.45      |             |             |             | -61.45        | -48.45        | -21.20         | -27.25         |
| 2462MHz                        | Pass   | 7.5G            | 25G            | PK   | 22.16281G    | 13.00       | -60.43      |             |             |             | -60.43        | -47.43        | -21.20         | -26.23         |
| 802.11g_Nss1(6Mbps)_1TX        | -      | -               | -              | -    | -            | -           | -           | -           | -           | -           | -             | -             | -              | -              |
| 2412MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.82081G     | 13.00       | -74.13      |             |             |             | -74.13        | -61.13        | -41.20         | -19.93         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.47863G     | 13.00       | -70.28      |             |             |             | -70.28        | -57.28        | -41.20         | -16.08         |
| 2412MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.17594G    | 13.00       | -70.96      |             |             |             | -70.96        | -57.96        | -41.20         | -16.76         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.83319G     | 13.00       | -64.70      |             |             |             | -64.70        | -51.70        | -21.20         | -30.50         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.40888G     | 13.00       | -60.99      |             |             |             | -60.99        | -47.99        | -21.20         | -26.79         |
| 2412MHz                        | Pass   | 7.5G            | 25G            | PK   | 22.01625G    | 13.00       | -60.52      |             |             |             | -60.52        | -47.52        | -21.20         | -26.32         |
| 2417MHz                        |        |                 |                |      |              |             |             |             |             |             |               |               |                |                |
| 2437MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.86975G     | 13.00       | -73.27      |             |             |             | -73.27        | -60.27        | -41.20         | -19.07         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.47356G     | 13.00       | -70.88      |             |             |             | -70.88        | -57.88        | -41.20         | -16.68         |
| 2437MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.11031G    | 13.00       | -70.58      |             |             |             | -70.58        | -57.58        | -41.20         | -16.38         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.88325G     | 13.00       | -64.09      |             |             |             | -64.09        | -51.09        | -21.20         | -29.89         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.30594G     | 13.00       | -60.00      |             |             |             | -60.00        | -47.00        | -21.20         | -25.80         |
| 2437MHz                        | Pass   | 7.5G            | 25G            | PK   | 22.23938G    | 13.00       | -60.41      |             |             |             | -60.41        | -47.41        | -21.20         | -26.21         |
| 2457MHz                        |        |                 |                |      |              |             |             |             |             |             |               |               |                |                |
| 2462MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.92431G     | 13.00       | -74.30      |             |             |             | -74.30        | -61.30        | -41.20         | -20.10         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.47638G     | 13.00       | -70.86      |             |             |             | -70.86        | -57.86        | -41.20         | -16.66         |
| 2462MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.10156G    | 13.00       | -70.67      |             |             |             | -70.67        | -57.67        | -41.20         | -16.47         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.91475G     | 13.00       | -63.51      |             |             |             | -63.51        | -50.51        | -21.20         | -29.31         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.49325G     | 13.00       | -60.40      |             |             |             | -60.40        | -47.40        | -21.20         | -26.20         |
| 2462MHz                        | Pass   | 7.5G            | 25G            | PK   | 19.11781G    | 13.00       | -61.26      |             |             |             | -61.26        | -48.26        | -21.20         | -27.06         |
| 802.11ax_HEW20_Nss1,(MCS0)_1TX | -      | -               | -              | -    | -            | -           | -           | -           | -           | -           | -             | -             | -              | -              |
| 2412MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.827G       | 13.00       | -73.99      |             |             |             | -73.99        | -60.99        | -41.20         | -19.79         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.47919G     | 13.00       | -70.89      |             |             |             | -70.89        | -57.89        | -41.20         | -16.69         |
| 2412MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.13G       | 13.00       | -70.75      |             |             |             | -70.75        | -57.75        | -41.20         | -16.55         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.83431G     | 13.00       | -63.61      |             |             |             | -63.61        | -50.61        | -21.20         | -29.41         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.48313G     | 13.00       | -60.60      |             |             |             | -60.60        | -47.60        | -21.20         | -26.40         |
| 2412MHz                        | Pass   | 7.5G            | 25G            | PK   | 22.03156G    | 13.00       | -60.85      |             |             |             | -60.85        | -47.85        | -21.20         | -26.65         |
| 2417MHz                        |        |                 |                |      |              |             |             |             |             |             |               |               |                |                |
| 2437MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.87425G     | 13.00       | -73.31      |             |             |             | -73.31        | -60.31        | -41.20         | -19.11         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.49438G     | 13.00       | -70.79      |             |             |             | -70.79        | -57.79        | -41.20         | -16.59         |
| 2437MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.12563G    | 13.00       | -70.48      |             |             |             | -70.48        | -57.48        | -41.20         | -16.28         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.881G       | 13.00       | -63.45      |             |             |             | -63.45        | -50.45        | -21.20         | -29.25         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.3155G      | 13.00       | -60.93      |             |             |             | -60.93        | -47.93        | -21.20         | -26.73         |
| 2437MHz                        | Pass   | 7.5G            | 25G            | PK   | 22.1125G     | 13.00       | -60.00      |             |             |             | -60.00        | -47.00        | -21.20         | -25.80         |
| 2457MHz                        |        |                 |                |      |              |             |             |             |             |             |               |               |                |                |
| 2462MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.93781G     | 13.00       | -74.09      |             |             |             | -74.09        | -61.09        | -41.20         | -19.89         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.49156G     | 13.00       | -70.86      |             |             |             | -70.86        | -57.86        | -41.20         | -16.66         |
| 2462MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.05344G    | 13.00       | -70.79      |             |             |             | -70.79        | -57.79        | -41.20         | -16.59         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.92769G     | 13.00       | -64.43      |             |             |             | -64.43        | -51.43        | -21.20         | -30.23         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.43475G     | 13.00       | -60.46      |             |             |             | -60.46        | -47.46        | -21.20         | -26.26         |
| 2462MHz                        | Pass   | 7.5G            | 25G            | PK   | 22.01188G    | 13.00       | -60.15      |             |             |             | -60.15        | -47.15        | -21.20         | -25.95         |
| 802.11b_Nss1(1Mbps)_2TX        | -      | -               | -              | -    | -            | -           | -           | -           | -           | -           | -             | -             | -              | -              |
| 2412MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.82419G     | 13.00       | -74.44      | -71.42      |             |             | -69.66        | -56.66        | -41.20         | -15.46         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.4955G      | 13.00       | -70.44      | -71.17      |             |             | -67.78        | -54.78        | -41.20         | -13.58         |
| 2412MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.16719G    | 13.00       | -70.44      | -71.69      |             |             | -68.01        | -55.01        | -41.20         | -13.81         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.80731G     | 13.00       | -64.14      | -66.14      |             |             | -62.02        | -49.02        | -21.20         | -27.82         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.44769G     | 13.00       | -61.36      | -61.34      |             |             | -58.34        | -45.34        | -21.20         | -24.14         |



# CSE (Restricted Band)\_Iron R1\_Antenna set 2 (Harmonic 3GHz ~ 25GHz)\_P to M\_P to P

## Appendix F.7

| Mode                           | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | Type | Freq<br>(Hz) | DG<br>(dBi) | P1<br>(dBm) | P2<br>(dBm) | P3<br>(dBm) | P4<br>(dBm) | Psum<br>(dBm) | EIRP<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------------------|--------|-----------------|----------------|------|--------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|----------------|----------------|
| 2412MHz                        | Pass   | 7.5G            | 25G            | PK   | 22.12344G    | 13.00       | -61.10      | -62.46      |             |             | -58.72        | -45.72        | -21.20         | -24.52         |
| 2417MHz                        |        |                 |                |      |              |             |             |             |             |             |               |               |                |                |
| 2437MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.87369G     | 13.00       | -73.24      | -71.34      |             |             | -69.18        | -56.18        | -41.20         | -14.98         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.48706G     | 13.00       | -70.34      | -71.37      |             |             | -67.81        | -54.81        | -41.20         | -13.61         |
| 2437MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.11906G    | 13.00       | -71.20      | -70.66      |             |             | -67.91        | -54.91        | -41.20         | -13.71         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.87425G     | 13.00       | -65.59      | -64.70      |             |             | -62.11        | -49.11        | -21.20         | -27.91         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.46513G     | 13.00       | -61.38      | -61.41      |             |             | -58.38        | -45.38        | -21.20         | -24.18         |
| 2437MHz                        | Pass   | 7.5G            | 25G            | PK   | 22.20438G    | 13.00       | -63.19      | -60.79      |             |             | -58.82        | -45.82        | -21.20         | -24.62         |
| 2457MHz                        |        |                 |                |      |              |             |             |             |             |             |               |               |                |                |
| 2462MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.94175G     | 13.00       | -73.62      | -74.74      |             |             | -71.13        | -58.13        | -41.20         | -16.93         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.49325G     | 13.00       | -70.78      | -71.33      |             |             | -68.04        | -55.04        | -41.20         | -13.84         |
| 2462MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.13219G    | 13.00       | -71.63      | -70.56      |             |             | -68.05        | -55.05        | -41.20         | -13.85         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.9215G      | 13.00       | -67.29      | -62.73      |             |             | -61.43        | -48.43        | -21.20         | -27.23         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.44881G     | 13.00       | -60.74      | -61.35      |             |             | -58.02        | -45.02        | -21.20         | -23.82         |
| 2462MHz                        | Pass   | 7.5G            | 25G            | PK   | 22.07094G    | 13.00       | -60.30      | -63.41      |             |             | -58.57        | -45.57        | -21.20         | -24.37         |
| 802.11g_Nss1,(6Mbps)_2TX       | -      | -               | -              | -    | -            | -           | -           | -           | -           | -           | -             | -             | -              | -              |
| 2412MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.81631G     | 13.00       | -75.01      | -74.26      |             |             | -71.61        | -58.61        | -41.20         | -17.41         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.48875G     | 13.00       | -70.56      | -71.84      |             |             | -68.14        | -55.14        | -41.20         | -13.94         |
| 2412MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.06875G    | 13.00       | -71.01      | -70.69      |             |             | -67.84        | -54.84        | -41.20         | -13.64         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.84163G     | 13.00       | -66.09      | -64.36      |             |             | -62.13        | -49.13        | -21.20         | -27.93         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.34869G     | 13.00       | -62.71      | -59.36      |             |             | -57.71        | -44.71        | -21.20         | -23.51         |
| 2412MHz                        | Pass   | 7.5G            | 25G            | PK   | 22.18031G    | 13.00       | -62.23      | -61.27      |             |             | -58.71        | -45.71        | -21.20         | -24.51         |
| 2417MHz                        |        |                 |                |      |              |             |             |             |             |             |               |               |                |                |
| 2437MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.88213G     | 13.00       | -74.62      | -74.16      |             |             | -71.37        | -58.37        | -41.20         | -17.17         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.49269G     | 13.00       | -70.34      | -71.47      |             |             | -67.86        | -54.86        | -41.20         | -13.66         |
| 2437MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.04031G    | 13.00       | -70.92      | -70.95      |             |             | -67.92        | -54.92        | -41.20         | -13.72         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.86806G     | 13.00       | -65.09      | -65.32      |             |             | -62.19        | -49.19        | -21.20         | -27.99         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.455G       | 13.00       | -61.00      | -61.64      |             |             | -58.30        | -45.30        | -21.20         | -24.10         |
| 2437MHz                        | Pass   | 7.5G            | 25G            | PK   | 22.12125G    | 13.00       | -60.83      | -62.03      |             |             | -58.38        | -45.38        | -21.20         | -24.18         |
| 2457MHz                        |        |                 |                |      |              |             |             |             |             |             |               |               |                |                |
| 2462MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.92263G     | 13.00       | -74.20      | -74.22      |             |             | -71.20        | -58.20        | -41.20         | -17.00         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.47638G     | 13.00       | -70.91      | -71.19      |             |             | -68.04        | -55.04        | -41.20         | -13.84         |
| 2462MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.11031G    | 13.00       | -70.85      | -70.80      |             |             | -67.81        | -54.81        | -41.20         | -13.61         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.92488G     | 13.00       | -65.90      | -64.74      |             |             | -62.27        | -49.27        | -21.20         | -28.07         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.473G       | 13.00       | -61.91      | -60.21      |             |             | -57.97        | -44.97        | -21.20         | -23.77         |
| 2462MHz                        | Pass   | 7.5G            | 25G            | PK   | 22.20656G    | 13.00       | -61.47      | -60.40      |             |             | -57.89        | -44.89        | -21.20         | -23.69         |
| 802.11ax HEW20_Nss1,(MCS0)_2TX | -      | -               | -              | -    | -            | -           | -           | -           | -           | -           | -             | -             | -              | -              |
| 2412MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.84163G     | 13.00       | -74.46      | -73.72      |             |             | -71.06        | -58.06        | -41.20         | -16.86         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.48988G     | 13.00       | -71.27      | -70.98      |             |             | -68.11        | -55.11        | -41.20         | -13.91         |
| 2412MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.01188G    | 13.00       | -71.22      | -70.85      |             |             | -68.02        | -55.02        | -41.20         | -13.82         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.80788G     | 13.00       | -63.66      | -66.14      |             |             | -61.72        | -48.72        | -21.20         | -27.52         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.42969G     | 13.00       | -61.31      | -61.81      |             |             | -58.54        | -45.54        | -21.20         | -24.34         |
| 2412MHz                        | Pass   | 7.5G            | 25G            | PK   | 22.09281G    | 13.00       | -60.62      | -62.77      |             |             | -58.55        | -45.55        | -21.20         | -24.35         |
| 2417MHz                        |        |                 |                |      |              |             |             |             |             |             |               |               |                |                |
| 2437MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.88438G     | 13.00       | -73.95      | -74.69      |             |             | -71.29        | -58.29        | -41.20         | -17.09         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.48256G     | 13.00       | -70.65      | -71.14      |             |             | -67.88        | -54.88        | -41.20         | -13.68         |
| 2437MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.12781G    | 13.00       | -70.48      | -71.37      |             |             | -67.89        | -54.89        | -41.20         | -13.69         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.87369G     | 13.00       | -63.63      | -65.28      |             |             | -61.37        | -48.37        | -21.20         | -27.17         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.48931G     | 13.00       | -60.75      | -62.44      |             |             | -58.50        | -45.50        | -21.20         | -24.30         |
| 2437MHz                        | Pass   | 7.5G            | 25G            | PK   | 22.16938G    | 13.00       | -60.67      | -61.83      |             |             | -58.20        | -45.20        | -21.20         | -24.00         |
| 2457MHz                        |        |                 |                |      |              |             |             |             |             |             |               |               |                |                |
| 2462MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.92206G     | 13.00       | -75.29      | -74.04      |             |             | -71.61        | -58.61        | -41.20         | -17.41         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.5G         | 13.00       | -71.13      | -71.25      |             |             | -68.18        | -55.18        | -41.20         | -13.98         |
| 2462MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.07094G    | 13.00       | -71.29      | -70.79      |             |             | -68.02        | -55.02        | -41.20         | -13.82         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.91588G     | 13.00       | -64.93      | -65.27      |             |             | -62.09        | -49.09        | -21.20         | -27.89         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.46231G     | 13.00       | -61.52      | -61.54      |             |             | -58.52        | -45.52        | -21.20         | -24.32         |
| 2462MHz                        | Pass   | 7.5G            | 25G            | PK   | 22.21094G    | 13.00       | -60.64      | -63.04      |             |             | -58.67        | -45.67        | -21.20         | -24.47         |
| 802.11b_Nss1,(1Mbps)_4TX       | -      | -               | -              | -    | -            | -           | -           | -           | -           | -           | -             | -             | -              | -              |
| 2412MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.82363G     | 13.00       | -74.53      | -72.67      | -74.65      | -75.57      | -68.20        | -55.20        | -41.20         | -14.00         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.47188G     | 13.00       | -71.04      | -71.44      | -71.11      | -71.16      | -65.16        | -52.16        | -41.20         | -10.96         |
| 2412MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.10156G    | 13.00       | -71.07      | -71.05      | -71.90      | -70.44      | -65.06        | -52.06        | -41.20         | -10.86         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.82588G     | 13.00       | -67.05      | -65.23      | -62.52      | -66.79      | -58.97        | -45.97        | -21.20         | -24.77         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.4955G      | 13.00       | -62.93      | -63.44      | -61.24      | -61.86      | -56.26        | -43.26        | -21.20         | -22.06         |
| 2412MHz                        | Pass   | 7.5G            | 25G            | PK   | 22.07094G    | 13.00       | -63.93      | -61.11      | -61.81      | -62.63      | -56.23        | -43.23        | -21.20         | -22.03         |
| 2417MHz                        |        |                 |                |      |              |             |             |             |             |             |               |               |                |                |
| 2437MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.87425G     | 13.00       | -73.94      | -73.06      | -74.48      | -68.40      | -65.69        | -52.69        | -41.20         | -11.49         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.47975G     | 13.00       | -71.09      | -70.47      | -71.41      | -71.82      | -65.15        | -52.15        | -41.20         | -10.95         |
| 2437MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.04031G    | 13.00       | -71.67      | -70.46      | -71.28      | -71.18      | -65.10        | -52.10        | -41.20         | -10.90         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.87313G     | 13.00       | -65.41      | -65.50      | -65.84      | -64.89      | -59.38        | -46.38        | -21.20         | -25.18         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.49663G     | 13.00       | -62.15      | -60.92      | -62.58      | -62.13      | -55.88        | -42.88        | -21.20         | -21.68         |



# CSE (Restricted Band)\_Iron R1\_Antenna set 2 (Harmonic 3GHz ~ 25GHz)\_P to M\_P to P

## Appendix F.7

| Mode                           | Result | F-Start<br>(Hz) | F-Stop<br>(Hz) | Type | Freq<br>(Hz) | DG<br>(dBi) | P1<br>(dBm) | P2<br>(dBm) | P3<br>(dBm) | P4<br>(dBm) | Psum<br>(dBm) | EIRP<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------------------|--------|-----------------|----------------|------|--------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|----------------|----------------|
| 2437MHz                        | Pass   | 7.5G            | 25G            | PK   | 22.10375G    | 13.00       | -60.22      | -63.48      | -63.22      | -63.37      | -56.32        | -43.32        | -21.20         | -22.12         |
| 2457MHz                        |        |                 |                |      |              |             |             |             |             |             |               |               |                |                |
| 2462MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.92375G     | 13.00       | -75.70      | -74.60      | -75.48      | -73.00      | -68.54        | -55.54        | -41.20         | -14.34         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.47638G     | 13.00       | -70.81      | -70.59      | -71.90      | -72.00      | -65.26        | -52.26        | -41.20         | -11.06         |
| 2462MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.1475G     | 13.00       | -71.02      | -71.19      | -71.38      | -70.38      | -64.96        | -51.96        | -41.20         | -10.76         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.92431G     | 13.00       | -65.08      | -65.04      | -65.72      | -63.61      | -58.77        | -45.77        | -21.20         | -24.57         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.3875G      | 13.00       | -63.64      | -50.22      | -62.88      | -63.41      | -49.62        | -36.62        | -21.20         | -15.42         |
| 2462MHz                        | Pass   | 7.5G            | 25G            | PK   | 22.10813G    | 13.00       | -62.80      | -61.95      | -63.86      | -60.71      | -56.16        | -43.16        | -21.20         | -21.96         |
| 802.11g_Nss1(6Mbps)_4TX        | -      | -               | -              | -    | -            | -           | -           | -           | -           | -           | -             | -             | -              | -              |
| 2412MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.83825G     | 13.00       | -74.71      | -74.57      | -74.59      | -75.19      | -68.74        | -55.74        | -41.20         | -14.54         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.49606G     | 13.00       | -70.76      | -71.87      | -71.05      | -71.38      | -65.23        | -52.23        | -41.20         | -11.03         |
| 2412MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.13219G    | 13.00       | -71.35      | -70.60      | -71.02      | -71.32      | -65.04        | -52.04        | -41.20         | -10.84         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.82588G     | 13.00       | -64.76      | -65.67      | -66.20      | -65.30      | -59.43        | -46.43        | -21.20         | -25.23         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.49775G     | 13.00       | -61.13      | -62.39      | -62.38      | -61.54      | -55.81        | -42.81        | -21.20         | -21.61         |
| 2412MHz                        | Pass   | 7.5G            | 25G            | PK   | 22.17375G    | 13.00       | -60.72      | -62.16      | -60.48      | -63.21      | -55.48        | -42.48        | -21.20         | -21.28         |
| 2417MHz                        |        |                 |                |      |              |             |             |             |             |             |               |               |                |                |
| 2437MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.863G       | 13.00       | -74.77      | -74.26      | -74.63      | -74.72      | -68.57        | -55.57        | -41.20         | -14.37         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.49438G     | 13.00       | -71.19      | -71.23      | -70.95      | -70.80      | -65.02        | -52.02        | -41.20         | -10.82         |
| 2437MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.22406G    | 13.00       | -71.10      | -71.26      | -71.26      | -71.14      | -65.17        | -52.17        | -41.20         | -10.97         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.863G       | 13.00       | -65.43      | -65.86      | -65.39      | -64.66      | -59.29        | -46.29        | -21.20         | -25.09         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.46963G     | 13.00       | -62.03      | -62.54      | -62.28      | -62.30      | -56.26        | -43.26        | -21.20         | -22.06         |
| 2437MHz                        | Pass   | 7.5G            | 25G            | PK   | 22.03594G    | 13.00       | -61.46      | -62.88      | -61.23      | -62.91      | -56.03        | -43.03        | -21.20         | -21.83         |
| 2457MHz                        |        |                 |                |      |              |             |             |             |             |             |               |               |                |                |
| 2462MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.90969G     | 13.00       | -74.51      | -74.73      | -74.27      | -74.58      | -68.50        | -55.50        | -41.20         | -14.30         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.48931G     | 13.00       | -71.53      | -71.32      | -71.24      | -70.71      | -65.17        | -52.17        | -41.20         | -10.97         |
| 2462MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.14531G    | 13.00       | -70.78      | -71.79      | -70.68      | -71.46      | -65.13        | -52.13        | -41.20         | -10.93         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.90856G     | 13.00       | -64.81      | -66.49      | -64.52      | -65.78      | -59.31        | -46.31        | -21.20         | -25.11         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.43475G     | 13.00       | -62.61      | -59.80      | -62.47      | -63.79      | -55.88        | -42.88        | -21.20         | -21.68         |
| 2462MHz                        | Pass   | 7.5G            | 25G            | PK   | 22.09063G    | 13.00       | -62.06      | -62.15      | -60.72      | -62.64      | -55.81        | -42.81        | -21.20         | -21.61         |
| 802.11ax_HEW20_Nss1,(MCS0)_4TX | -      | -               | -              | -    | -            | -           | -           | -           | -           | -           | -             | -             | -              | -              |
| 2412MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.83431G     | 13.00       | -74.53      | -74.15      | -75.40      | -74.62      | -68.63        | -55.63        | -41.20         | -14.43         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.49325G     | 13.00       | -72.22      | -71.12      | -70.95      | -70.97      | -65.26        | -52.26        | -41.20         | -11.06         |
| 2412MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.02063G    | 13.00       | -71.48      | -70.39      | -71.38      | -71.57      | -65.16        | -52.16        | -41.20         | -10.96         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.82588G     | 13.00       | -66.29      | -64.72      | -64.77      | -65.76      | -59.31        | -46.31        | -21.20         | -25.11         |
| 2412MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.48481G     | 13.00       | -60.12      | -62.07      | -63.20      | -63.13      | -55.92        | -42.92        | -21.20         | -21.72         |
| 2412MHz                        | Pass   | 7.5G            | 25G            | PK   | 22.11469G    | 13.00       | -61.89      | -63.36      | -60.62      | -60.65      | -55.47        | -42.47        | -21.20         | -21.27         |
| 2417MHz                        |        |                 |                |      |              |             |             |             |             |             |               |               |                |                |
| 2437MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.87931G     | 13.00       | -74.78      | -73.84      | -74.59      | -75.34      | -68.58        | -55.58        | -41.20         | -14.38         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.47775G     | 13.00       | -71.65      | -70.85      | -71.57      | -71.46      | -65.35        | -52.35        | -41.20         | -11.15         |
| 2437MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.08406G    | 13.00       | -70.44      | -71.56      | -71.36      | -71.49      | -65.17        | -52.17        | -41.20         | -10.97         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.87369G     | 13.00       | -66.63      | -66.42      | -65.33      | -63.81      | -59.38        | -46.38        | -21.20         | -25.18         |
| 2437MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.47131G     | 13.00       | -63.27      | -60.20      | -62.46      | -62.04      | -55.82        | -42.82        | -21.20         | -21.62         |
| 2437MHz                        | Pass   | 7.5G            | 25G            | PK   | 22.03156G    | 13.00       | -60.75      | -62.58      | -61.66      | -63.86      | -56.04        | -43.04        | -21.20         | -21.84         |
| 2457MHz                        |        |                 |                |      |              |             |             |             |             |             |               |               |                |                |
| 2462MHz                        | Pass   | 3G              | 7.5G           | AV   | 4.92263G     | 13.00       | -74.52      | -75.34      | -74.23      | -73.31      | -68.27        | -55.27        | -41.20         | -14.07         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | AV   | 7.49944G     | 13.00       | -70.93      | -71.36      | -71.23      | -71.70      | -65.28        | -52.28        | -41.20         | -11.08         |
| 2462MHz                        | Pass   | 7.5G            | 25G            | AV   | 22.17156G    | 13.00       | -70.97      | -71.53      | -71.07      | -70.85      | -65.08        | -52.08        | -41.20         | -10.88         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | PK   | 4.93725G     | 13.00       | -64.78      | -64.81      | -64.67      | -67.03      | -59.20        | -46.20        | -21.20         | -25.00         |
| 2462MHz                        | Pass   | 3G              | 7.5G           | PK   | 7.48313G     | 13.00       | -62.64      | -60.85      | -61.56      | -61.40      | -55.54        | -42.54        | -21.20         | -21.34         |
| 2462MHz                        | Pass   | 7.5G            | 25G            | PK   | 22.07969G    | 13.00       | -61.16      | -62.73      | -62.48      | -61.44      | -55.88        | -42.88        | -21.20         | -21.68         |

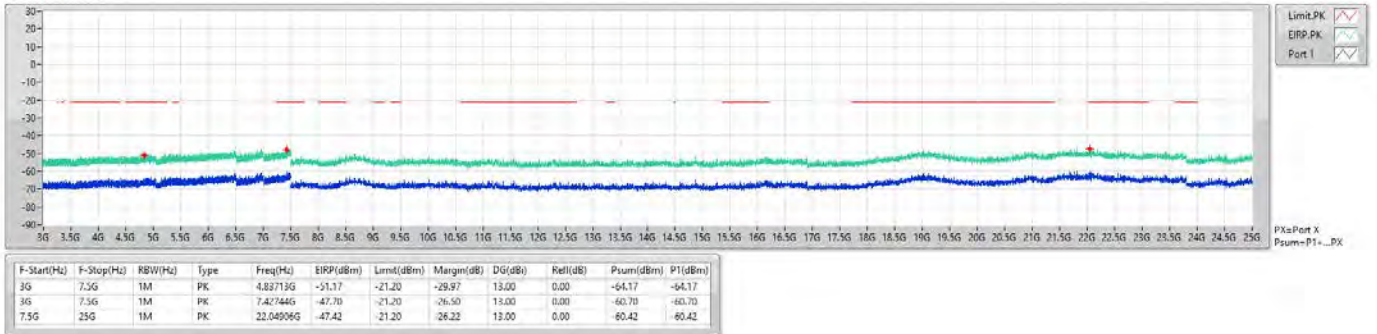
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

**802.11b\_Nss1,(1Mbps)\_1TX**

**2412MHz**

**CSE [PK]**

05/05/2022

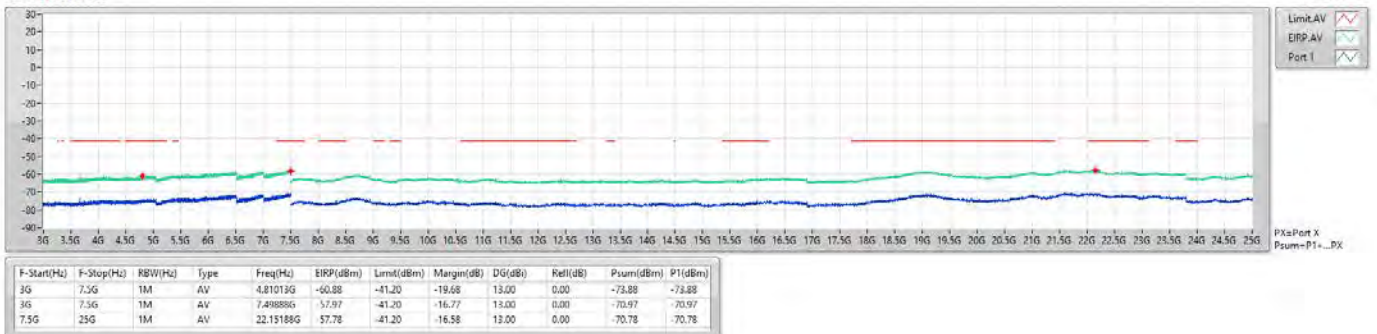


**802.11b\_Nss1,(1Mbps)\_1TX**

**2412MHz**

**CSE [AV]**

05/05/2022

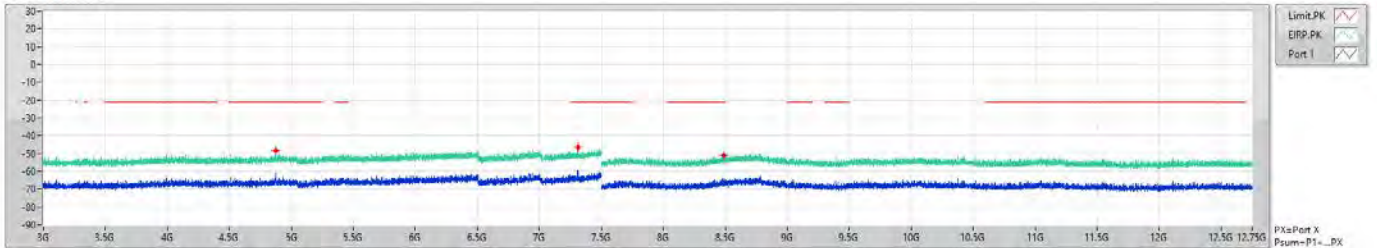


802.11b\_Nss1,(1Mbps)\_1TX

2437MHz

CSE [PK]

05/05/2022



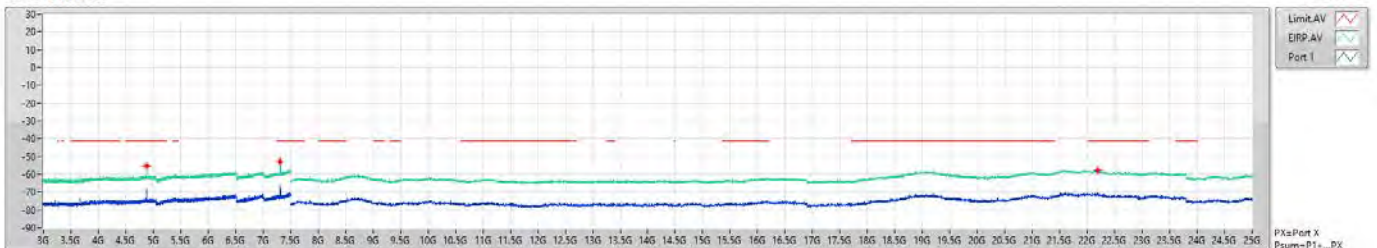
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|
| 3G          | 7.5G       | 1M      | PK   | 4.87425G | -48.08    | -21.20     | -26.88     | 13.00  | 0.00    | -61.08    | -61.08  |
| 3G          | 7.5G       | 1M      | PK   | 7.31215G | -46.57    | -21.20     | -25.37     | 13.00  | 0.00    | -59.57    | -59.57  |
| 7.5G        | 25G        | 1M      | PK   | 8.40225G | -51.08    | -21.20     | -29.88     | 13.00  | 0.00    | -64.08    | -64.08  |

802.11b\_Nss1,(1Mbps)\_1TX

2437MHz

CSE [AV]

05/05/2022



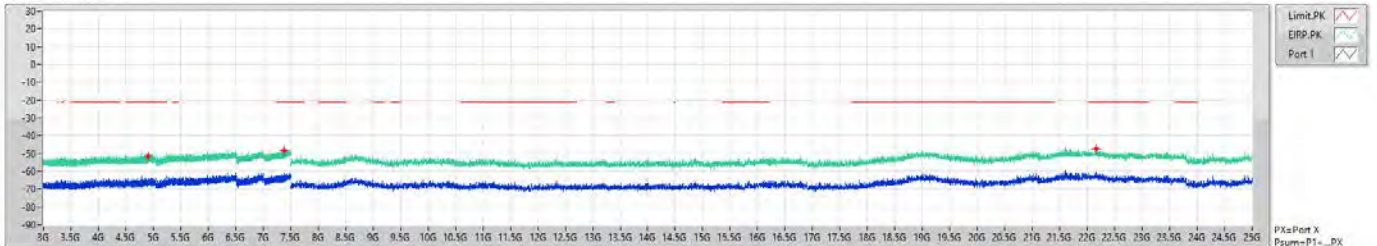
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz)  | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|-----------|-----------|------------|------------|--------|---------|-----------|---------|
| 3G          | 7.5G       | 1M      | AV   | 4.87369G  | -55.22    | -41.20     | -14.02     | 13.00  | 0.00    | -68.22    | -68.22  |
| 3G          | 7.5G       | 1M      | AV   | 7.31215G  | -53.18    | -41.20     | -11.98     | 13.00  | 0.00    | -66.18    | -66.18  |
| 7.5G        | 25G        | 1M      | AV   | 22.18009G | -57.45    | -41.20     | -16.25     | 13.00  | 0.00    | -70.45    | -70.45  |

802.11b\_Nss1,(1Mbps)\_1TX

2462MHz

CSE [PK]

05/05/2022



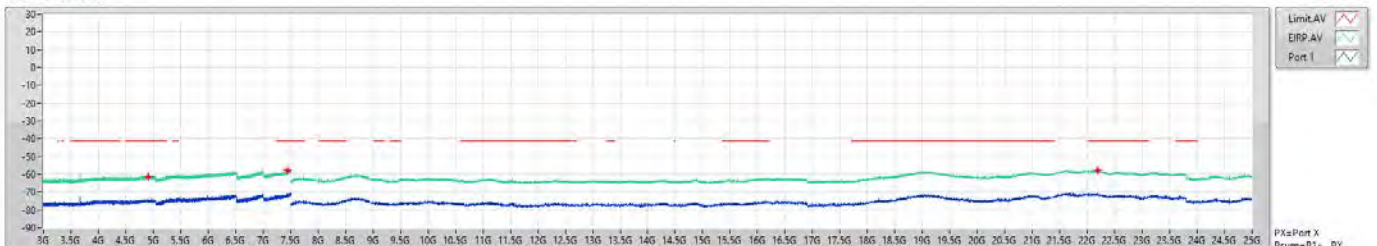
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz)  | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|-----------|-----------|------------|------------|--------|---------|-----------|---------|
| 3G          | 7.5G       | 1M      | PK   | 4.90089G  | -51.37    | -21.20     | -30.17     | 13.00  | 0.00    | -64.37    | -64.37  |
| 3G          | 7.5G       | 1M      | PK   | 7.8875G   | -60.45    | -21.20     | -39.25     | 13.00  | 0.00    | -61.45    | -61.45  |
| 7.5G        | 25G        | 1M      | PK   | 22.16281G | -47.43    | -21.20     | -26.23     | 13.00  | 0.00    | -60.43    | -60.43  |

802.11b\_Nss1,(1Mbps)\_1TX

2462MHz

CSE [AV]

05/05/2022



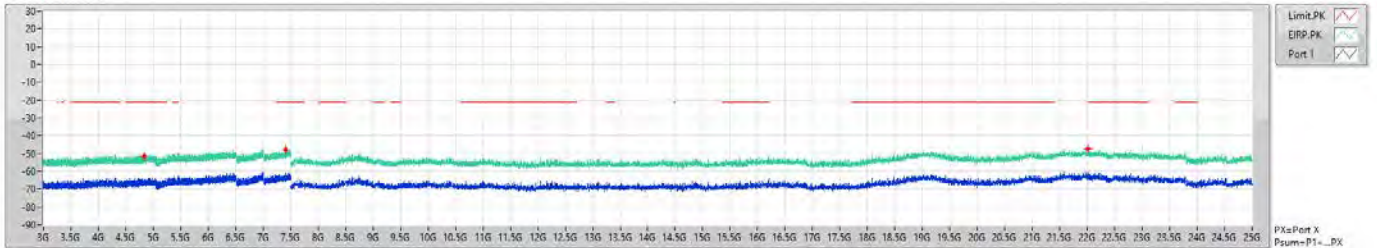
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz)  | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|-----------|-----------|------------|------------|--------|---------|-----------|---------|
| 3G          | 7.5G       | 1M      | AV   | 4.90575G  | -61.39    | -21.20     | -40.19     | 13.00  | 0.00    | -74.39    | -74.39  |
| 3G          | 7.5G       | 1M      | AV   | 7.44994G  | -57.56    | -21.20     | -36.36     | 13.00  | 0.00    | -70.56    | -70.56  |
| 7.5G        | 25G        | 1M      | AV   | 22.19129G | -57.68    | -21.20     | -36.48     | 13.00  | 0.00    | -70.68    | -70.68  |

802.11g\_Nss1,(6Mbps)\_1TX

2412MHz

CSE [PK]

05/05/2022



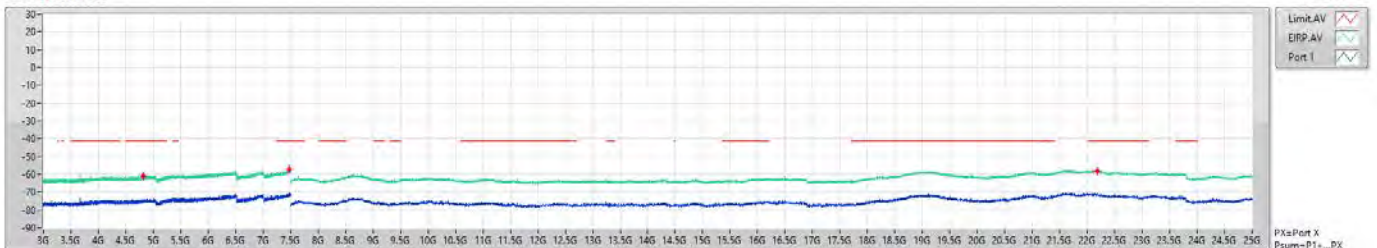
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz)  | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|-----------|-----------|------------|------------|--------|---------|-----------|---------|
| 3G          | 7.5G       | 1M      | PK   | 4.82319G  | -51.70    | -21.20     | -30.50     | 13.00  | 0.00    | -64.70    | -64.70  |
| 3G          | 7.5G       | 1M      | PK   | 7.40688G  | -47.99    | -21.20     | -26.79     | 13.00  | 0.00    | -60.99    | -60.99  |
| 7.5G        | 25G        | 1M      | PK   | 22.01629G | -47.52    | -21.20     | -26.32     | 13.00  | 0.00    | -60.52    | -60.52  |

802.11g\_Nss1,(6Mbps)\_1TX

2412MHz

CSE [AV]

05/05/2022



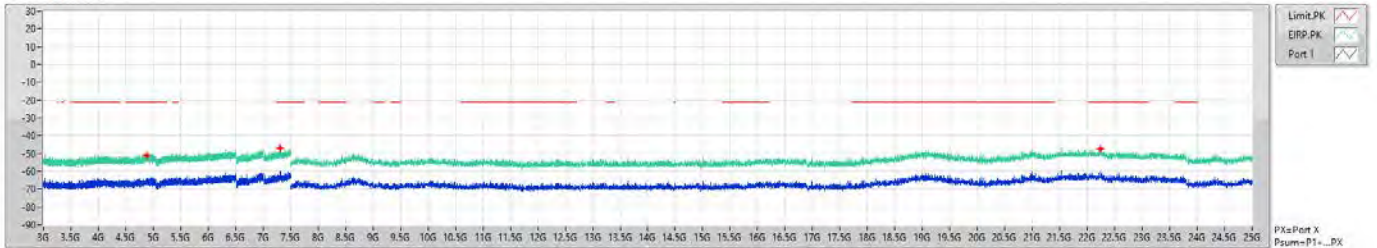
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz)  | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|-----------|-----------|------------|------------|--------|---------|-----------|---------|
| 3G          | 7.5G       | 1M      | AV   | 4.82061G  | -61.13    | -41.20     | -19.93     | 13.00  | 0.00    | -74.13    | -74.13  |
| 3G          | 7.5G       | 1M      | AV   | 7.47863G  | -57.26    | -41.20     | -16.06     | 13.00  | 0.00    | -70.26    | -70.26  |
| 7.5G        | 25G        | 1M      | AV   | 22.17594G | -57.96    | -41.20     | -16.76     | 13.00  | 0.00    | -70.96    | -70.96  |

802.11g\_Nss1,(6Mbps)\_1TX

2437MHz

CSE [PK]

05/05/2022

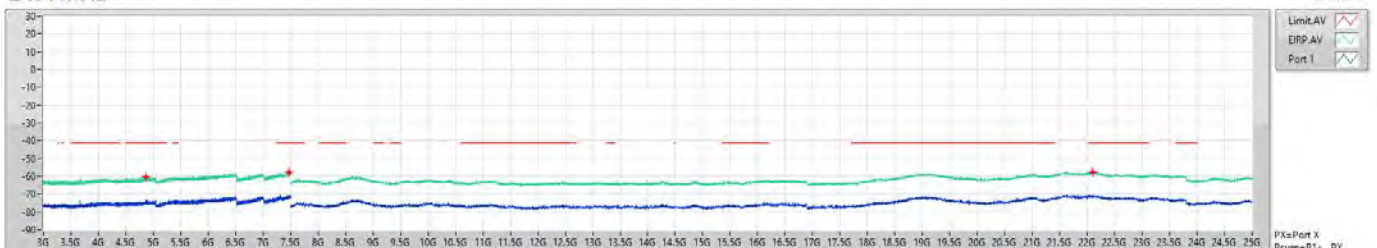


802.11g\_Nss1,(6Mbps)\_1TX

2437MHz

CSE [AV]

05/05/2022

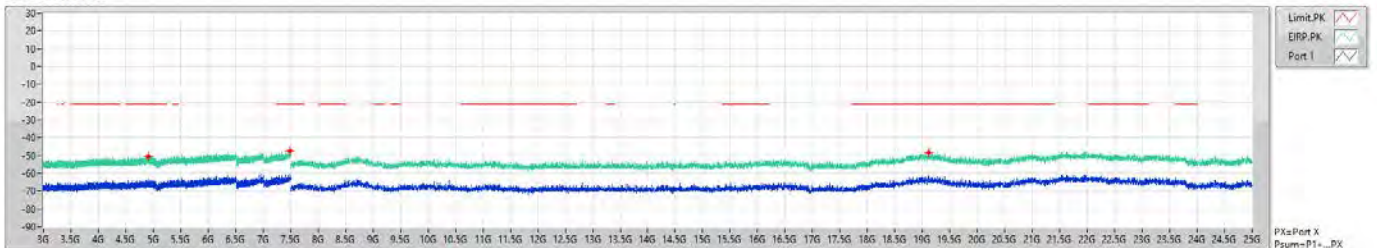


802.11g\_Nss1,(6Mbps)\_1TX

2462MHz

CSE [PK]

05/05/2022



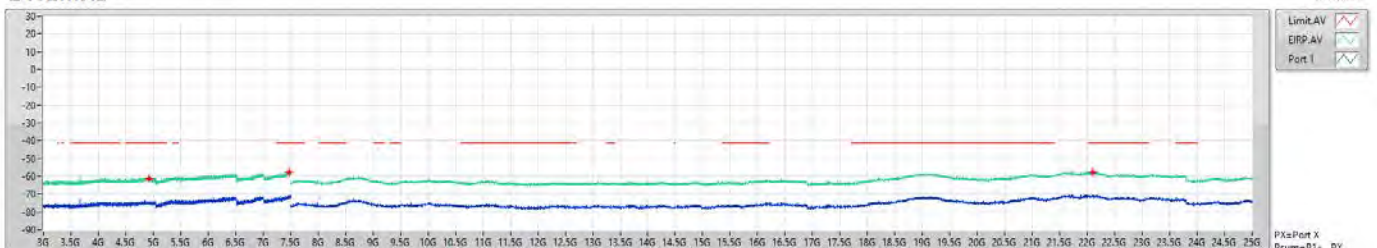
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz)  | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|-----------|-----------|------------|------------|--------|---------|-----------|---------|
| 3G          | 7.5G       | 1M      | PK   | 4.97475G  | -50.51    | -21.20     | -29.31     | 13.00  | 0.00    | -63.51    | -63.51  |
| 3G          | 7.5G       | 1M      | PK   | 7.49575G  | -47.40    | -21.20     | -26.20     | 13.00  | 0.00    | -60.40    | -60.40  |
| 7.5G        | 25G        | 1M      | PK   | 19.11781G | -48.26    | -21.20     | -27.06     | 13.00  | 0.00    | -61.26    | -61.26  |

802.11g\_Nss1,(6Mbps)\_1TX

2462MHz

CSE [AV]

05/05/2022



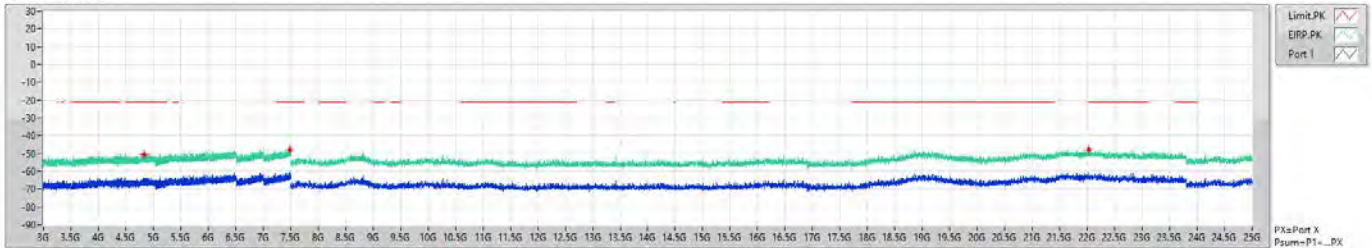
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|-------------|------------|---------|------|-----------|-----------|------------|------------|--------|---------|-----------|---------|
| 3G          | 7.5G       | 1M      | AV   | 4.92421G  | -61.30    | -41.20     | -20.10     | 13.00  | 0.00    | -74.30    | -74.30  |
| 3G          | 7.5G       | 1M      | AV   | 7.47638G  | -57.86    | -41.20     | -16.66     | 13.00  | 0.00    | -70.86    | -70.86  |
| 7.5G        | 25G        | 1M      | AV   | 22.10158G | -57.67    | -41.20     | -16.47     | 13.00  | 0.00    | -70.67    | -70.67  |

802.11ax HEW20\_Nss1,(MCS0)\_1TX

2412MHz

CSE [PK]

05/05/2022



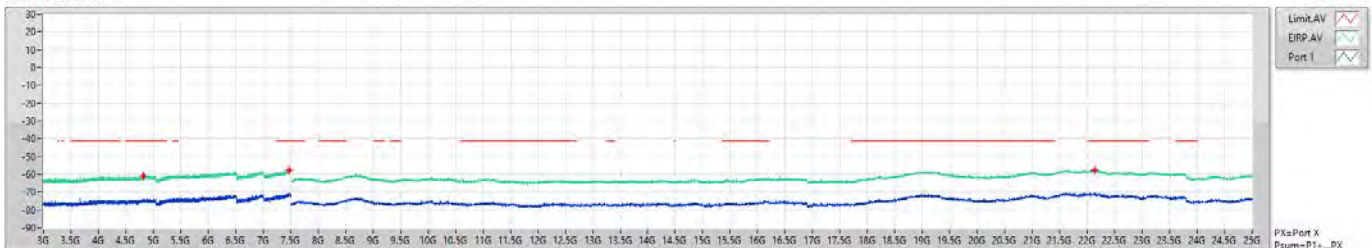
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz)  | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|-----------|-----------|------------|------------|--------|---------|-----------|---------|
| 3G          | 7.5G       | 1M      | PK   | 4.82421G  | -50.61    | -21.20     | -29.41     | 13.00  | 0.00    | -63.61    | -63.61  |
| 3G          | 7.5G       | 1M      | PK   | 7.48315G  | -47.60    | -21.20     | -26.40     | 13.00  | 0.00    | -60.60    | -60.60  |
| 7.5G        | 25G        | 1M      | PK   | 22.03156G | -47.85    | -21.20     | -26.65     | 13.00  | 0.00    | -60.85    | -60.85  |

802.11ax HEW20\_Nss1,(MCS0)\_1TX

2412MHz

CSE [AV]

05/05/2022



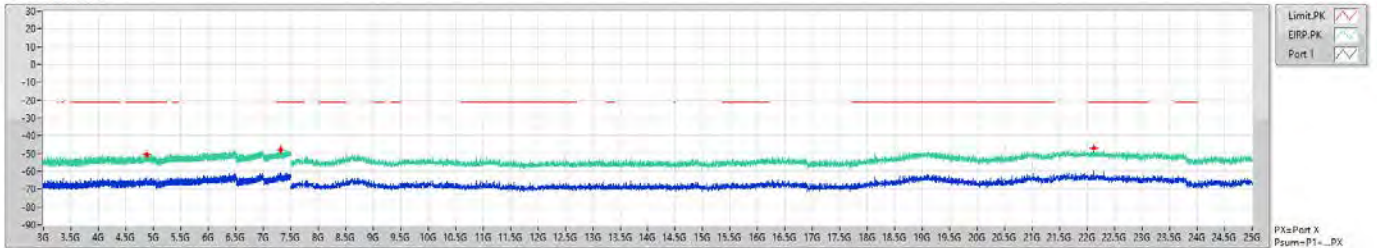
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|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|
| 3G          | 7.5G       | 1M      | AV   | 4.827G   | -60.99    | -41.20     | -19.79     | 13.00  | 0.00    | -73.99    | -73.99  |
| 3G          | 7.5G       | 1M      | AV   | 7.47119G | -57.89    | -41.20     | -16.69     | 13.00  | 0.00    | -70.89    | -70.89  |
| 7.5G        | 25G        | 1M      | AV   | 22.13G   | -57.75    | -41.20     | -16.55     | 13.00  | 0.00    | -70.75    | -70.75  |

802.11ax HEW20\_Nss1,(MCS0)\_1TX

2437MHz

CSE [PK]

05/05/2022



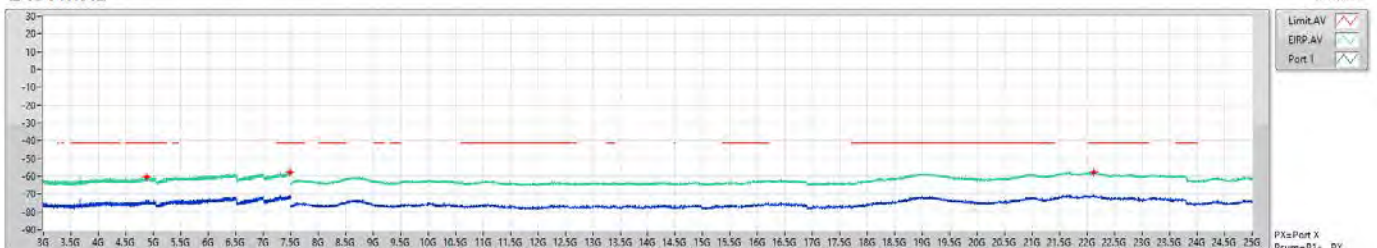
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz) | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|----------|-----------|------------|------------|--------|---------|-----------|---------|
| 3G          | 7.5G       | 1M      | PK   | 4.881G   | -50.45    | -21.20     | -29.25     | 13.00  | 0.00    | -50.45    | -63.45  |
| 3G          | 7.5G       | 1M      | PK   | 7.3155G  | -47.93    | -21.20     | -26.73     | 13.00  | 0.00    | -40.93    | -60.93  |
| 7.5G        | 25G        | 1M      | PK   | 22.1125G | -47.00    | -21.20     | -25.80     | 13.00  | 0.00    | -60.00    | -60.00  |

802.11ax HEW20\_Nss1,(MCS0)\_1TX

2437MHz

CSE [AV]

05/05/2022



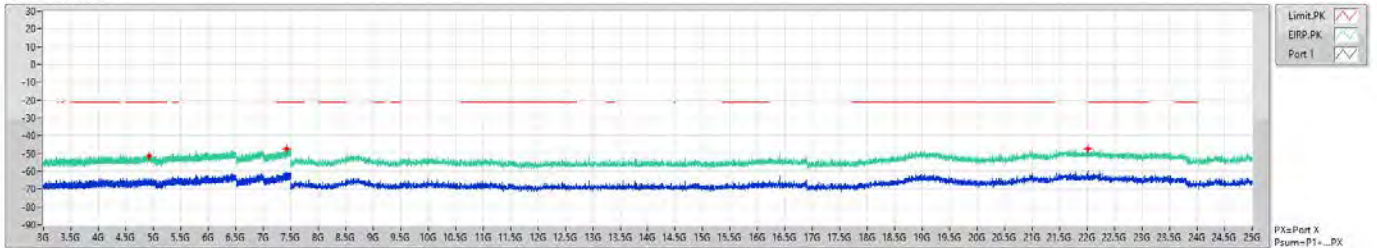
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz)  | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|-----------|-----------|------------|------------|--------|---------|-----------|---------|
| 3G          | 7.5G       | 1M      | AV   | 4.87425G  | -60.31    | -41.20     | -19.11     | 13.00  | 0.00    | -73.31    | -73.31  |
| 3G          | 7.5G       | 1M      | AV   | 7.49488G  | -57.79    | -41.20     | -16.59     | 13.00  | 0.00    | -70.79    | -70.79  |
| 7.5G        | 25G        | 1M      | AV   | 22.12563G | -57.48    | -41.20     | -16.28     | 13.00  | 0.00    | -70.48    | -70.48  |

802.11ax HEW20\_Nss1,(MCS0)\_1TX

2462MHz

CSE [PK]

05/05/2022



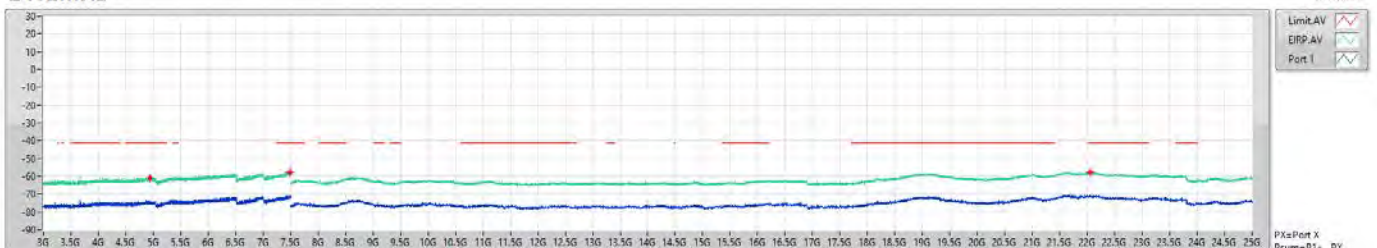
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz)  | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|-----------|-----------|------------|------------|--------|---------|-----------|---------|
| 3G          | 7.5G       | 1M      | PK   | 4.9279G   | -51.43    | -21.20     | -30.23     | 13.00  | 0.00    | -64.43    | -64.43  |
| 3G          | 7.5G       | 1M      | PK   | 7.43475G  | -47.46    | -21.20     | -26.26     | 13.00  | 0.00    | -60.46    | -60.46  |
| 7.5G        | 25G        | 1M      | PK   | 22.01189G | -47.15    | -21.20     | -25.95     | 13.00  | 0.00    | -60.15    | -60.15  |

802.11ax HEW20\_Nss1,(MCS0)\_1TX

2462MHz

CSE [AV]

05/05/2022



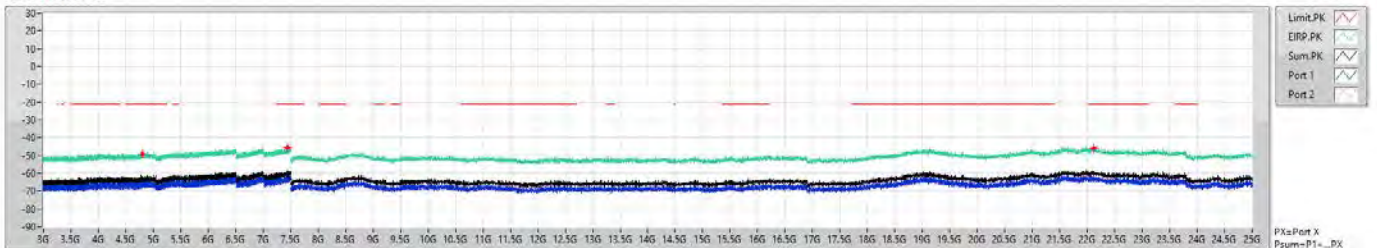
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz)  | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) |
|-------------|------------|---------|------|-----------|-----------|------------|------------|--------|---------|-----------|---------|
| 3G          | 7.5G       | 1M      | AV   | 4.93781G  | -61.09    | -21.20     | -39.89     | 13.00  | 0.00    | -74.09    | -74.09  |
| 3G          | 7.5G       | 1M      | AV   | 7.49156G  | -57.96    | -21.20     | -36.76     | 13.00  | 0.00    | -70.96    | -70.96  |
| 7.5G        | 25G        | 1M      | AV   | 22.05344G | -57.79    | -21.20     | -36.59     | 13.00  | 0.00    | -70.79    | -70.79  |

802.11b\_Nss1,(1Mbps)\_2TX

2412MHz

CSE [PK]

05/05/2022



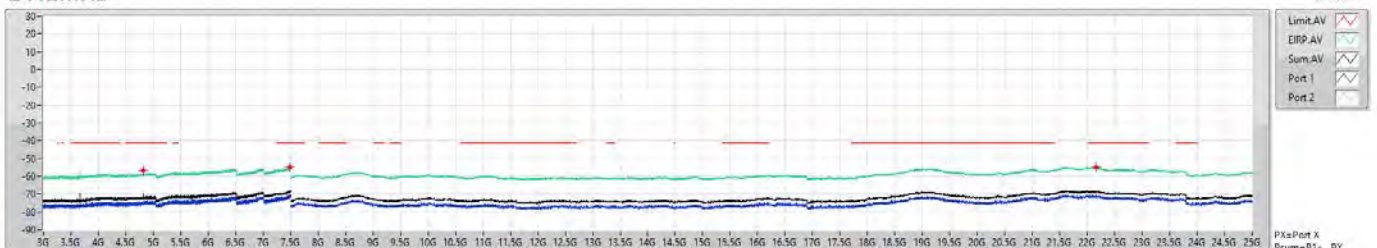
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz)  | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|-----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 3G          | 7.5G       | 1M      | PK   | 4.80721G  | -49.02    | -21.20     | -27.82     | 13.00  | 0.00    | -52.02    | -64.14  | -66.14  |
| 3G          | 7.5G       | 1M      | PK   | 7.44799G  | -45.54    | -21.20     | -24.14     | 13.00  | 0.00    | -58.34    | -61.36  | -61.34  |
| 7.5G        | 25G        | 1M      | PK   | 22.12244G | -45.72    | -21.20     | -24.52     | 13.00  | 0.00    | -58.72    | -61.10  | -62.46  |

802.11b\_Nss1,(1Mbps)\_2TX

2412MHz

CSE [AV]

05/05/2022



| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | Type | Freq(Hz)  | EIRP(dBm) | Limit(dBm) | Margin(dB) | DG(dB) | Ref(dB) | Psum(dBm) | P1(dBm) | P2(dBm) |
|-------------|------------|---------|------|-----------|-----------|------------|------------|--------|---------|-----------|---------|---------|
| 3G          | 7.5G       | 1M      | AV   | 4.82419G  | -56.66    | -41.20     | -15.46     | 13.00  | 0.00    | -69.66    | -74.44  | -71.42  |
| 3G          | 7.5G       | 1M      | AV   | 7.4955G   | -54.78    | -41.20     | -13.58     | 13.00  | 0.00    | -67.78    | -70.44  | -71.17  |
| 7.5G        | 25G        | 1M      | AV   | 22.16719G | -55.01    | -41.20     | -13.81     | 13.00  | 0.00    | -68.01    | -70.44  | -71.69  |