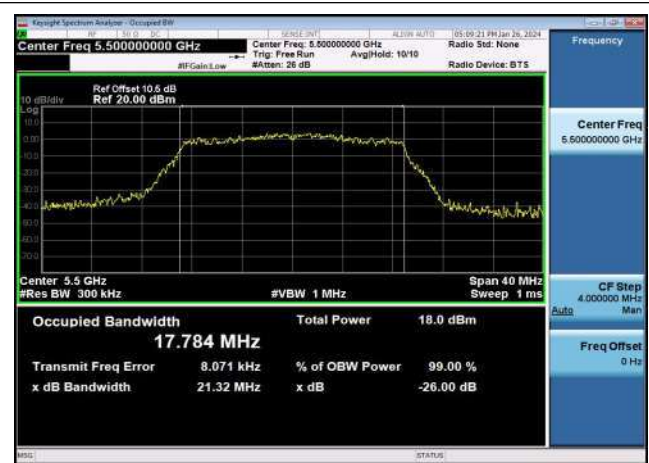


U-NII-2c 99% & 26dB Bandwidth-802.11a(20MHz)  
,5700MHz,Ant1



U-NII-2c 99% & 26dB Bandwidth-802.11ac(20MHz)  
,5500MHz,Ant1



U-NII-2c 99% & 26dB Bandwidth-802.11ac(20MHz)  
,5580MHz,Ant1



U-NII-2c 99% & 26dB Bandwidth-802.11ac(20MHz)  
,5700MHz,Ant1



U-NII-2c 99% & 26dB Bandwidth-802.11ac(40MHz)  
,5510MHz,Ant1



U-NII-2c 99% & 26dB Bandwidth-802.11ac(40MHz)  
,5550MHz,Ant1



U-NII-2c 99% &amp; 26dB Bandwidth-802.11ac(40MHz),5670MHz,Ant1



U-NII-2c 99% &amp; 26dB Bandwidth-802.11ac(80MHz),5530MHz,Ant1



U-NII-3 99% &amp; 26dB Bandwidth-802.11n(20MHz),5745MHz,Ant1



U-NII-3 99% &amp; 26dB Bandwidth-802.11n(20MHz),5785MHz,Ant1



U-NII-3 99% &amp; 26dB Bandwidth-802.11n(20MHz),5825MHz,Ant1



U-NII-3 99% &amp; 26dB Bandwidth-802.11n(40MHz),5755MHz,Ant1



U-NII-3 99% & 26dB Bandwidth-802.11n(40MHz)  
,5795MHz,Ant1



U-NII-3 99% & 26dB Bandwidth-802.11a(20MHz)  
,5745MHz,Ant1



U-NII-3 99% & 26dB Bandwidth-802.11a(20MHz)  
,5785MHz,Ant1



U-NII-3 99% & 26dB Bandwidth-802.11a(20MHz)  
,5825MHz,Ant1



U-NII-3 99% & 26dB Bandwidth-802.11ac(20MHz)  
,5745MHz,Ant1



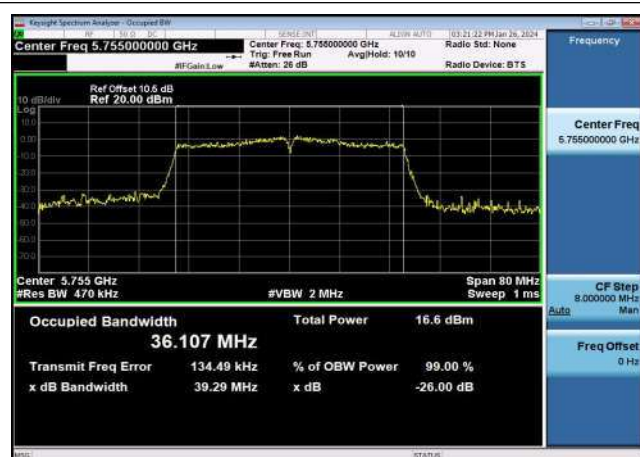
U-NII-3 99% & 26dB Bandwidth-802.11ac(20MHz)  
,5785MHz,Ant1



U-NII-3 99% & 26dB Bandwidth-802.11ac(20MHz)  
,5825MHz,Ant1



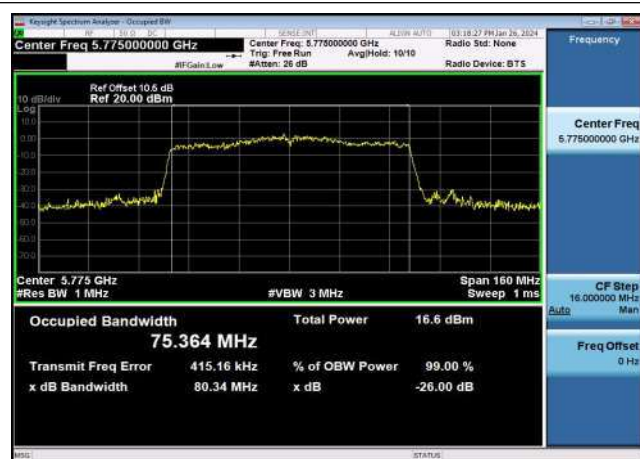
U-NII-3 99% & 26dB Bandwidth-802.11ac(40MHz)  
,5755MHz,Ant1



U-NII-3 99% & 26dB Bandwidth-802.11ac(40MHz)  
,5795MHz,Ant1



U-NII-3 99% & 26dB Bandwidth-802.11ac(80MHz)  
,5775MHz,Ant1

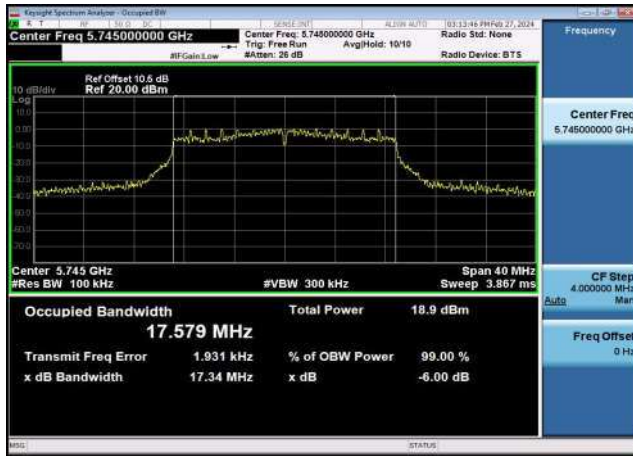


**6dB Bandwidth****Test Result and Data**

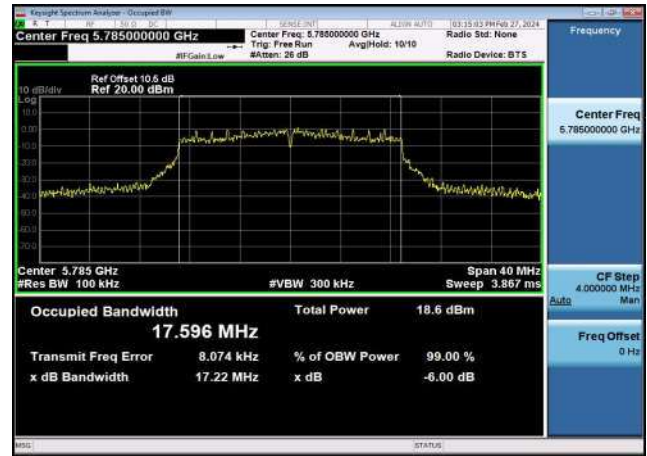
| U-NII-3 Occupied 6dB Bandwidth |                      |                     |             |        |
|--------------------------------|----------------------|---------------------|-------------|--------|
| Mode                           | Test Frequency (MHz) | 6dB Bandwidth (MHz) | Limit (kHz) | Result |
| 802.11n (20MHz)                | 5745                 | 17.34               | 500         | Pass   |
| 802.11n (20MHz)                | 5785                 | 17.22               | 500         | Pass   |
| 802.11n (20MHz)                | 5825                 | 17.50               | 500         | Pass   |
| 802.11n (40MHz)                | 5755                 | 35.82               | 500         | Pass   |
| 802.11n (40MHz)                | 5795                 | 35.75               | 500         | Pass   |
| 802.11ac (20MHz)               | 5745                 | 16.99               | 500         | Pass   |
| 802.11ac (20MHz)               | 5785                 | 17.25               | 500         | Pass   |
| 802.11ac (20MHz)               | 5825                 | 17.29               | 500         | Pass   |
| 802.11ac (40MHz)               | 5755                 | 35.76               | 500         | Pass   |
| 802.11ac (40MHz)               | 5795                 | 35.82               | 500         | Pass   |
| 802.11ac (80MHz)               | 5775                 | 75.44               | 500         | Pass   |
| 802.11a (20MHz)                | 5745                 | 15.36               | 500         | Pass   |
| 802.11a (20MHz)                | 5785                 | 15.67               | 500         | Pass   |
| 802.11a (20MHz)                | 5825                 | 15.52               | 500         | Pass   |

## Test Plots

U-NII-3 6dB Bandwidth-802.11n(20MHz)  
,5745MHz,Ant1



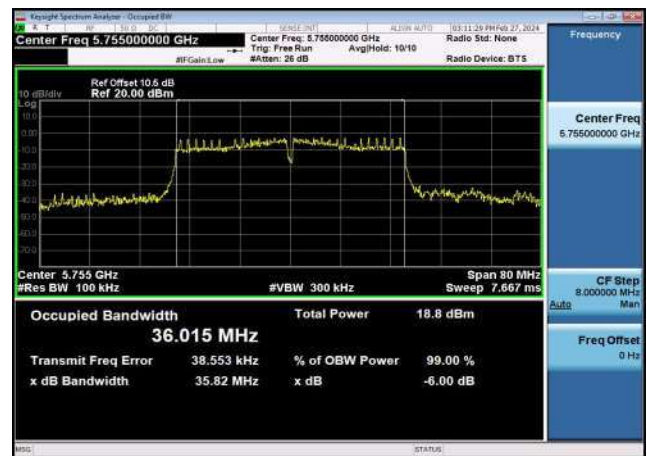
U-NII-3 6dB Bandwidth-802.11n(20MHz)  
,5785MHz,Ant1



U-NII-3 6dB Bandwidth-802.11n(20MHz)  
,5825MHz,Ant1



U-NII-3 6dB Bandwidth-802.11n(40MHz)  
,5755MHz,Ant1



U-NII-3 6dB Bandwidth-802.11n(40MHz)  
,5795MHz,Ant1



U-NII-3 6dB Bandwidth-802.11a(20MHz)  
,5745MHz,Ant1



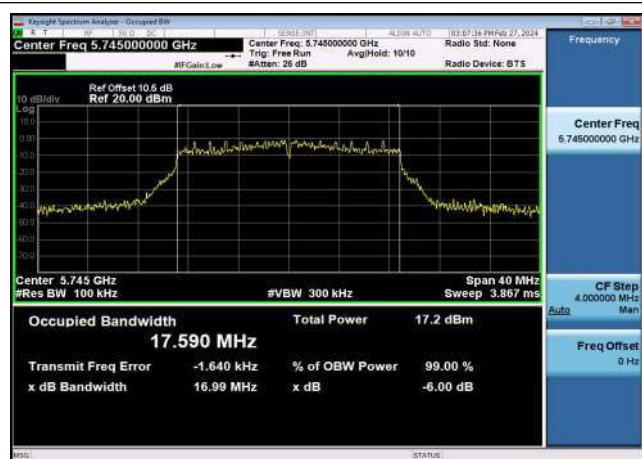
U-NII-3 6dB Bandwidth-802.11a(20MHz)  
,5785MHz,Ant1



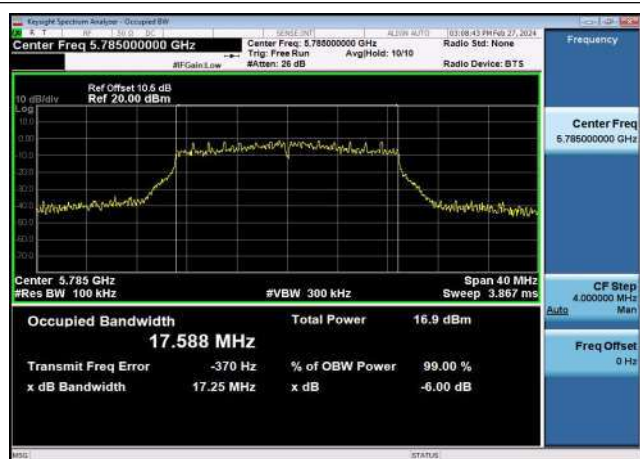
U-NII-3 6dB Bandwidth-802.11a(20MHz)  
,5825MHz,Ant1



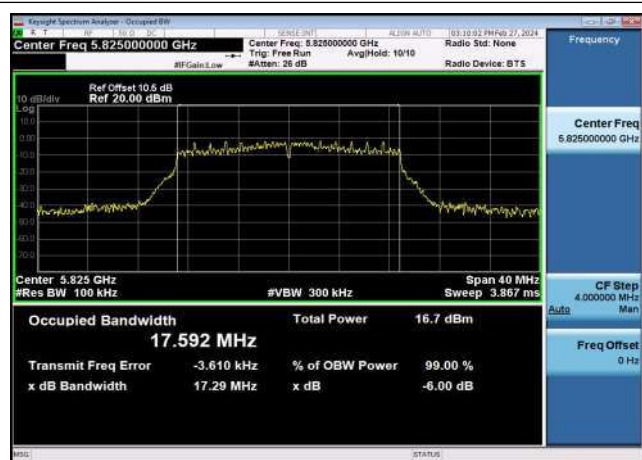
U-NII-3 6dB Bandwidth-802.11ac(20MHz)  
,5745MHz,Ant1



U-NII-3 6dB Bandwidth-802.11ac(20MHz)  
,5785MHz,Ant1



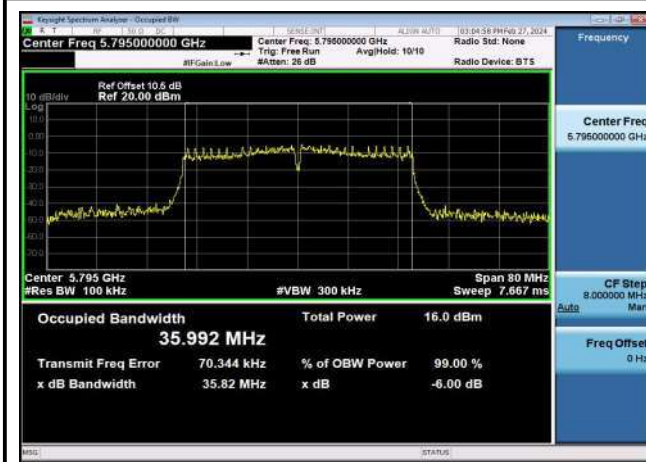
U-NII-3 6dB Bandwidth-802.11ac(20MHz)  
,5825MHz,Ant1



U-NII-3 6dB Bandwidth-802.11ac(40MHz)  
,5755MHz,Ant1



U-NII-3 6dB Bandwidth-802.11ac(40MHz)  
,5795MHz,Ant1



U-NII-3 6dB Bandwidth-802.11ac(80MHz)  
,5775MHz,Ant1





## Frequency Stability

### Test Result and Data

| U-NII-1 Centre Frequency |                      |          |          |          |                      |             |
|--------------------------|----------------------|----------|----------|----------|----------------------|-------------|
| Mode                     | Test Frequency (MHz) | LF (MHz) | HF (MHz) | CF (MHz) | Freq Stability (ppm) | Test Result |
| 802.11n (20MHz)          | 5180                 | 5171.148 | 5188.838 | 5179.993 | -1.290               | Pass        |
| 802.11n (20MHz)          | 5220                 | 5211.150 | 5228.868 | 5220.009 | 1.680                | Pass        |
| 802.11n (20MHz)          | 5240                 | 5231.155 | 5248.858 | 5240.007 | 1.270                | Pass        |
| 802.11n (40MHz)          | 5190                 | 5171.792 | 5208.242 | 5190.017 | 3.180                | Pass        |
| 802.11n (40MHz)          | 5230                 | 5211.792 | 5248.230 | 5230.011 | 2.010                | Pass        |
| 802.11ac (20MHz)         | 5180                 | 5171.138 | 5188.838 | 5179.988 | -2.330               | Pass        |
| 802.11ac (20MHz)         | 5220                 | 5211.202 | 5228.845 | 5220.023 | 4.470                | Pass        |
| 802.11ac (20MHz)         | 5240                 | 5231.173 | 5248.850 | 5240.011 | 2.150                | Pass        |
| 802.11ac (40MHz)         | 5190                 | 5171.814 | 5208.198 | 5190.006 | 1.160                | Pass        |
| 802.11ac (40MHz)         | 5230                 | 5211.804 | 5248.189 | 5229.996 | -0.720               | Pass        |
| 802.11ac (80MHz)         | 5210                 | 5171.800 | 5248.130 | 5209.965 | -6.720               | Pass        |
| 802.11a (20MHz)          | 5180                 | 5171.785 | 5188.237 | 5180.011 | 2.090                | Pass        |
| 802.11a (20MHz)          | 5220                 | 5211.796 | 5228.246 | 5220.021 | 3.990                | Pass        |
| 802.11a (20MHz)          | 5240                 | 5231.799 | 5248.250 | 5240.025 | 4.690                | Pass        |



| U-NII-2a Centre Frequency |                      |          |          |          |                      |             |
|---------------------------|----------------------|----------|----------|----------|----------------------|-------------|
| Mode                      | Test Frequency (MHz) | LF (MHz) | HF (MHz) | CF (MHz) | Freq Stability (ppm) | Test Result |
| 802.11n (20MHz)           | 5260                 | 5251.148 | 5268.859 | 5260.003 | 0.630                | Pass        |
| 802.11n (20MHz)           | 5300                 | 5291.193 | 5308.863 | 5300.028 | 5.270                | Pass        |
| 802.11n (20MHz)           | 5320                 | 5311.150 | 5328.853 | 5320.002 | 0.310                | Pass        |
| 802.11n (40MHz)           | 5270                 | 5251.780 | 5288.273 | 5270.026 | 4.980                | Pass        |
| 802.11n (40MHz)           | 5310                 | 5291.793 | 5328.224 | 5310.008 | 1.550                | Pass        |
| 802.11ac (20MHz)          | 5260                 | 5251.164 | 5268.841 | 5260.003 | 0.480                | Pass        |
| 802.11ac (20MHz)          | 5300                 | 5291.174 | 5308.855 | 5300.015 | 2.750                | Pass        |
| 802.11ac (20MHz)          | 5320                 | 5311.149 | 5328.817 | 5319.983 | -3.210               | Pass        |
| 802.11ac (40MHz)          | 5270                 | 5251.790 | 5288.234 | 5270.012 | 2.280                | Pass        |
| 802.11ac (40MHz)          | 5310                 | 5291.838 | 5328.215 | 5310.026 | 4.940                | Pass        |
| 802.11ac (80MHz)          | 5290                 | 5251.817 | 5328.123 | 5289.970 | -5.670               | Pass        |
| 802.11a (20MHz)           | 5260                 | 5251.778 | 5268.197 | 5259.988 | -2.380               | Pass        |
| 802.11a (20MHz)           | 5300                 | 5291.782 | 5308.201 | 5299.991 | -1.650               | Pass        |
| 802.11a (20MHz)           | 5320                 | 5311.783 | 5328.203 | 5319.993 | -1.330               | Pass        |



| U-NII-2c Centre Frequency |                      |          |          |          |                      |             |
|---------------------------|----------------------|----------|----------|----------|----------------------|-------------|
| Mode                      | Test Frequency (MHz) | LF (MHz) | HF (MHz) | CF (MHz) | Freq Stability (ppm) | Test Result |
| 802.11n (20MHz)           | 5500                 | 5491.154 | 5508.849 | 5500.002 | 0.300                | Pass        |
| 802.11n (20MHz)           | 5580                 | 5571.148 | 5588.865 | 5580.007 | 1.190                | Pass        |
| 802.11n (20MHz)           | 5700                 | 5691.189 | 5708.853 | 5700.021 | 3.730                | Pass        |
| 802.11n (40MHz)           | 5510                 | 5491.766 | 5528.245 | 5510.005 | 0.950                | Pass        |
| 802.11n (40MHz)           | 5550                 | 5531.760 | 5568.249 | 5550.005 | 0.810                | Pass        |
| 802.11n (40MHz)           | 5670                 | 5651.786 | 5688.231 | 5670.008 | 1.460                | Pass        |
| 802.11ac (20MHz)          | 5500                 | 5491.167 | 5508.872 | 5500.019 | 3.480                | Pass        |
| 802.11ac (20MHz)          | 5580                 | 5571.118 | 5588.873 | 5579.995 | -0.820               | Pass        |
| 802.11ac (20MHz)          | 5700                 | 5691.152 | 5708.872 | 5700.012 | 2.050                | Pass        |
| 802.11ac (40MHz)          | 5510                 | 5491.768 | 5528.249 | 5510.008 | 1.500                | Pass        |
| 802.11ac (40MHz)          | 5550                 | 5531.742 | 5568.260 | 5550.001 | 0.140                | Pass        |
| 802.11ac (40MHz)          | 5670                 | 5651.771 | 5688.218 | 5669.994 | -1.060               | Pass        |
| 802.11ac (80MHz)          | 5530                 | 5491.823 | 5568.127 | 5529.975 | -4.520               | Pass        |
| 802.11a (20MHz)           | 5500                 | 5491.800 | 5508.219 | 5500.010 | 1.740                | Pass        |
| 802.11a (20MHz)           | 5580                 | 5571.735 | 5588.257 | 5579.996 | -0.750               | Pass        |
| 802.11a (20MHz)           | 5700                 | 5691.805 | 5708.256 | 5700.030 | 5.340                | Pass        |



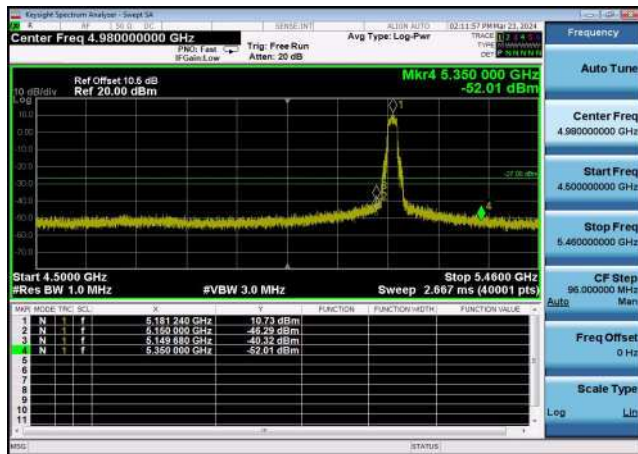
| U-NII-3 Centre Frequency |                      |          |          |          |                      |             |
|--------------------------|----------------------|----------|----------|----------|----------------------|-------------|
| Mode                     | Test Frequency (MHz) | LF (MHz) | HF (MHz) | CF (MHz) | Freq Stability (ppm) | Test Result |
| 802.11n (20MHz)          | 5745                 | 5736.157 | 5753.846 | 5745.001 | 0.220                | Pass        |
| 802.11n (20MHz)          | 5785                 | 5776.179 | 5793.858 | 5785.018 | 3.170                | Pass        |
| 802.11n (20MHz)          | 5825                 | 5816.159 | 5833.874 | 5825.017 | 2.860                | Pass        |
| 802.11n (40MHz)          | 5755                 | 5736.783 | 5773.222 | 5755.002 | 0.390                | Pass        |
| 802.11n (40MHz)          | 5795                 | 5776.807 | 5813.233 | 5795.020 | 3.360                | Pass        |
| 802.11ac (20MHz)         | 5745                 | 5736.140 | 5753.858 | 5744.999 | -0.150               | Pass        |
| 802.11ac (20MHz)         | 5785                 | 5776.142 | 5793.863 | 5785.003 | 0.430                | Pass        |
| 802.11ac (20MHz)         | 5825                 | 5816.179 | 5833.857 | 5825.018 | 3.080                | Pass        |
| 802.11ac (40MHz)         | 5755                 | 5736.798 | 5773.261 | 5755.029 | 5.080                | Pass        |
| 802.11ac (40MHz)         | 5795                 | 5776.751 | 5813.260 | 5795.005 | 0.910                | Pass        |
| 802.11ac (80MHz)         | 5775                 | 5737.460 | 5812.743 | 5775.102 | 17.600               | Pass        |
| 802.11a (20MHz)          | 5745                 | 5736.803 | 5753.252 | 5745.027 | 4.710                | Pass        |
| 802.11a (20MHz)          | 5785                 | 5776.804 | 5793.254 | 5785.029 | 5.040                | Pass        |
| 802.11a (20MHz)          | 5825                 | 5816.803 | 5833.255 | 5825.029 | 5.010                | Pass        |

## Conducted Band Edges and spurious emission

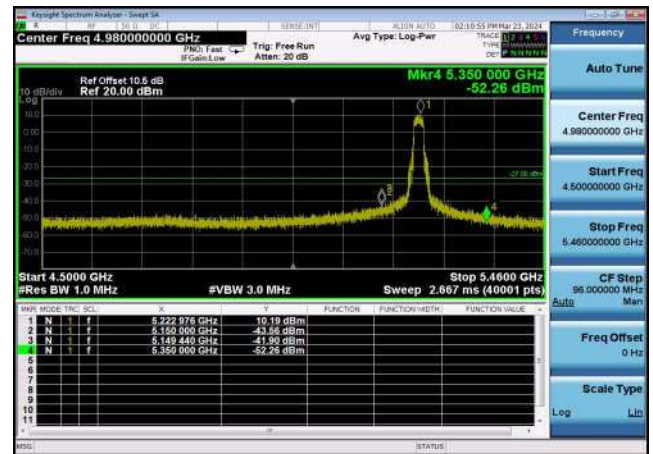
Note 1: For 26GHz to 40GHz, The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Note 2: The test plot offset values have been integrated with the antenna gain values.

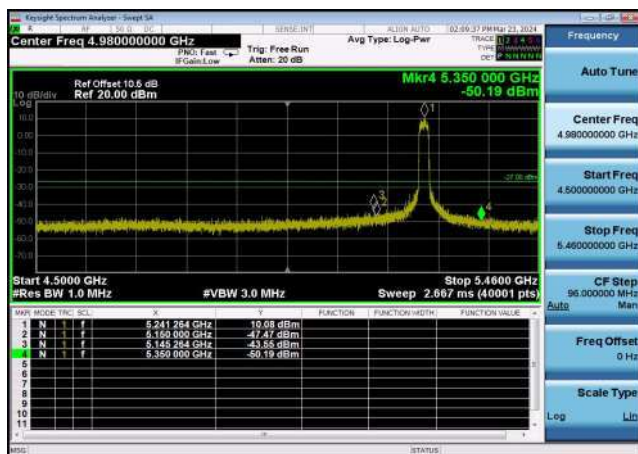
U-NII-1 ,Plot 1,Band Edge-802.11n(20M  
Hz),5180MHz,Ant1



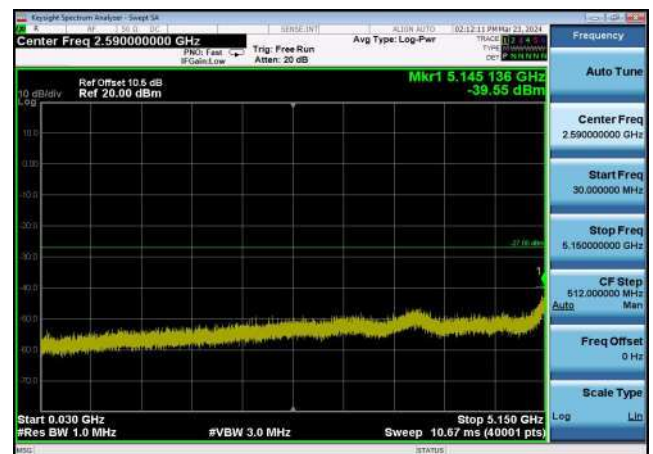
U-NII-1 ,Plot 1,Band Edge-802.11n(20M  
Hz),5220MHz,Ant1



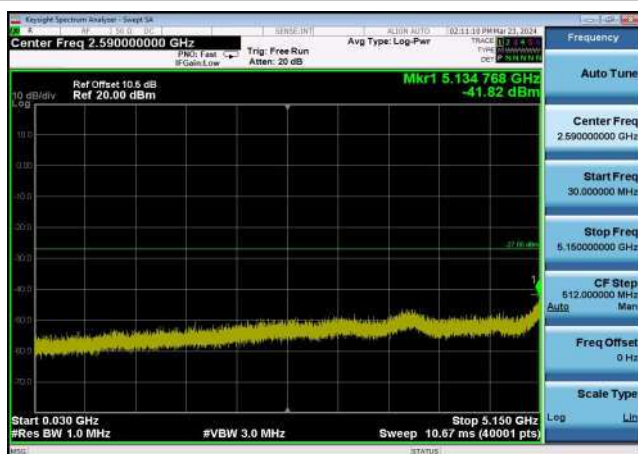
U-NII-1 ,Plot 1,Band Edge-802.11n(20M  
Hz),5240MHz,Ant1



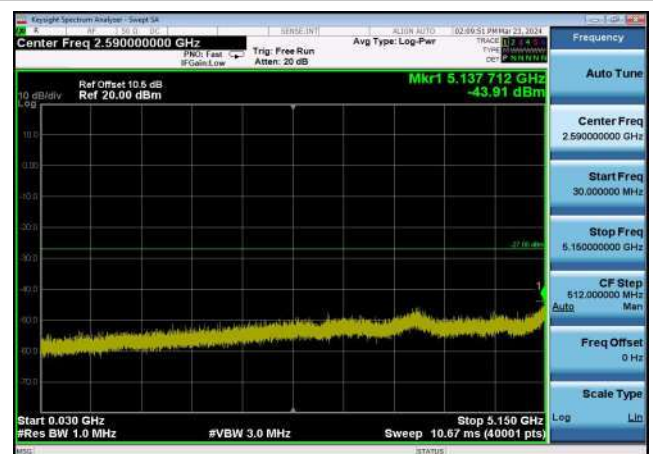
U-NII-1 ,Plot 2,30MHz~5150MHz-802.11n  
(20MHz),5180MHz,Ant1



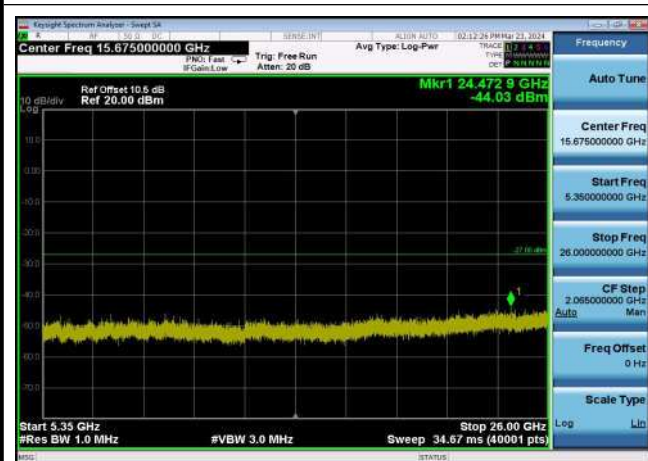
U-NII-1 ,Plot 2,30MHz~5150MHz-802.11n  
(20MHz),5220MHz,Ant1



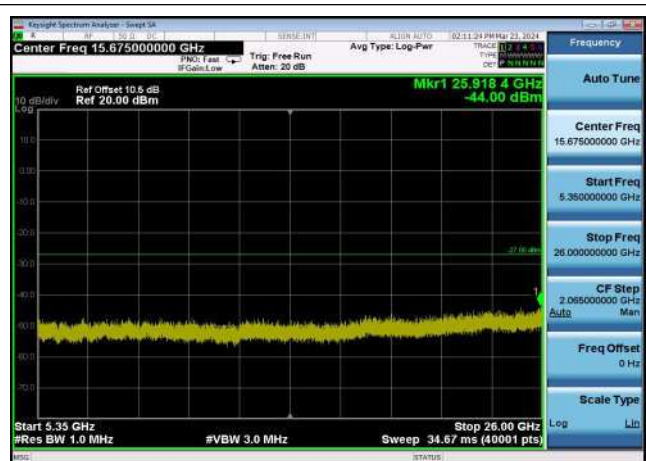
U-NII-1 ,Plot 2,30MHz~5150MHz-802.11n  
(20MHz),5240MHz,Ant1



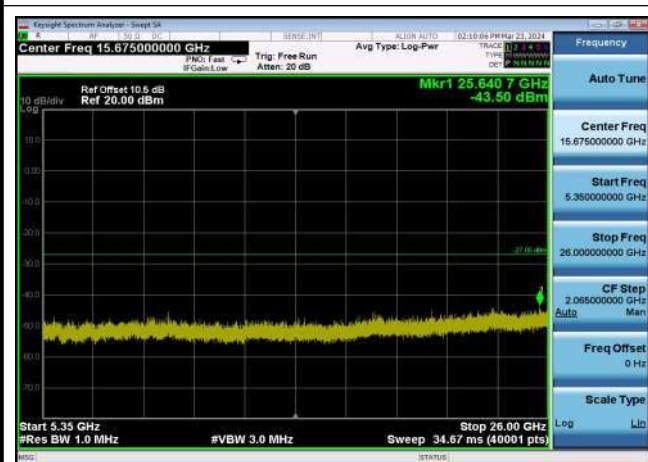
U-NII-1 ,Plot 3,5350MHz~26000MHz-802.  
11n(20MHz),5180MHz,Ant1



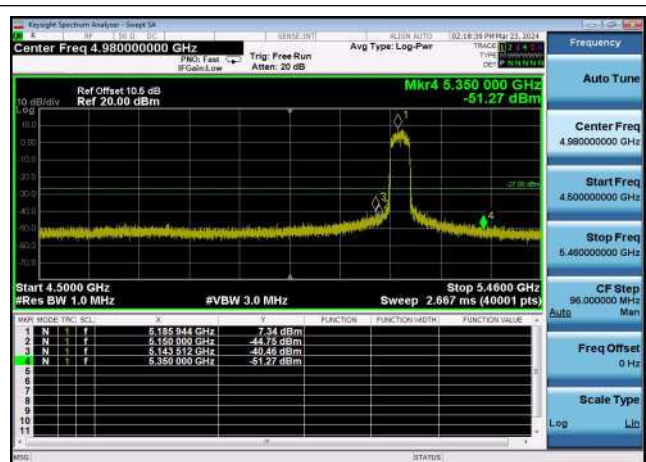
U-NII-1 ,Plot 3,5350MHz~26000MHz-802.  
11n(20MHz),5220MHz,Ant1



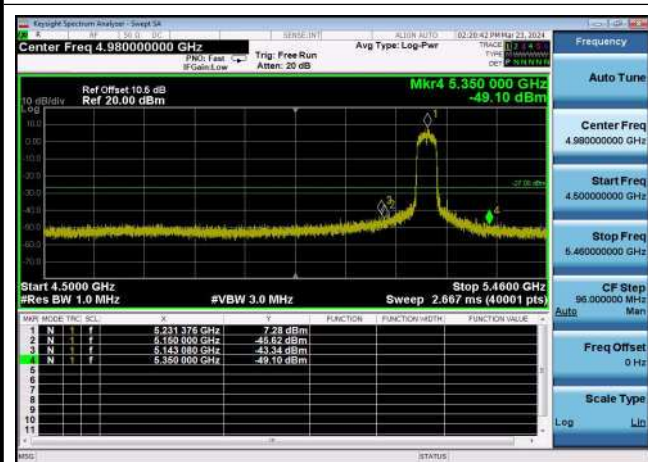
U-NII-1 ,Plot 3,5350MHz~26000MHz-802.  
11n(20MHz),5240MHz,Ant1



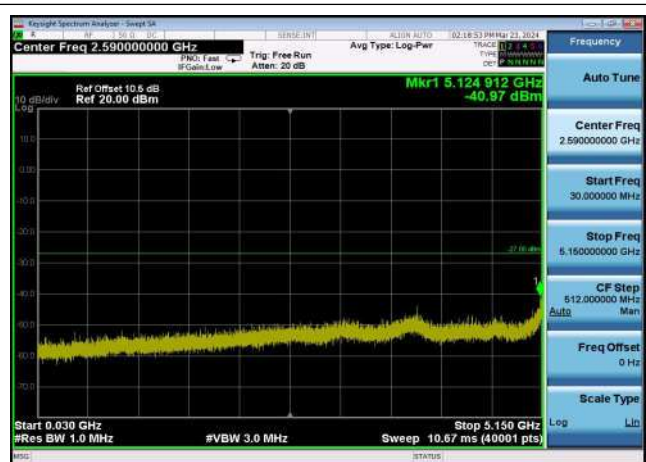
U-NII-1 ,Plot 1,Band Edge-802.11n(40M  
Hz),5190MHz,Ant1



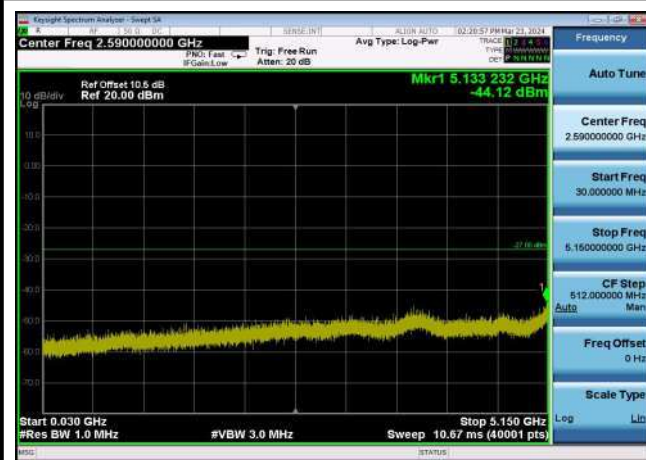
U-NII-1 ,Plot 1,Band Edge-802.11n(40M  
Hz),5230MHz,Ant1



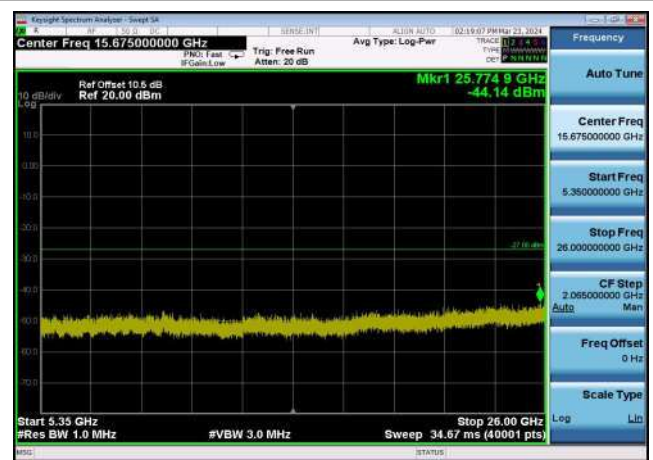
U-NII-1 ,Plot 2,30MHz~5150MHz-802.11n  
(40MHz),5190MHz,Ant1



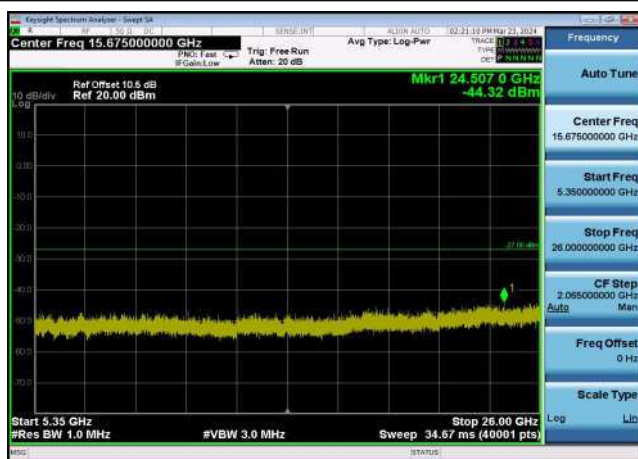
U-NII-1 ,Plot 2,30MHz~5150MHz-802.11n  
(40MHz),5230MHz,Ant1



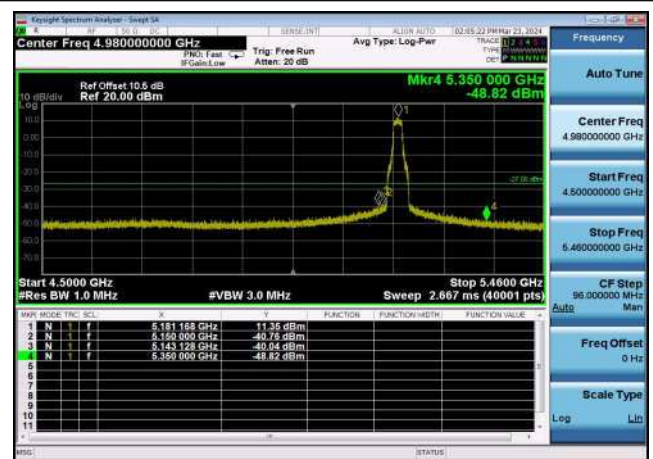
U-NII-1 ,Plot 3,5350MHz~26000MHz-802.11n(40MHz),5190MHz,Ant1



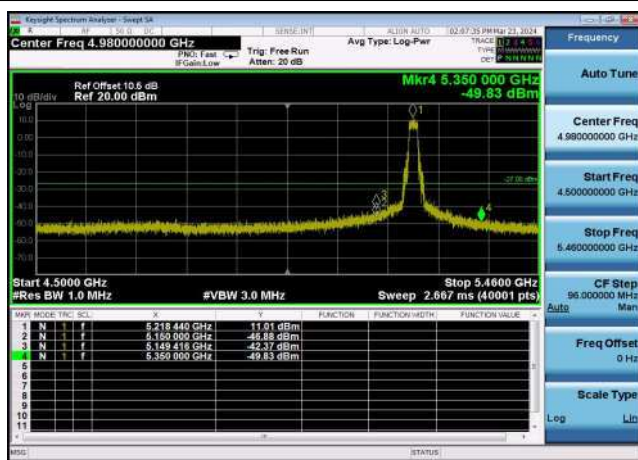
U-NII-1 ,Plot 3,5350MHz~26000MHz-802.11n(40MHz),5230MHz,Ant1



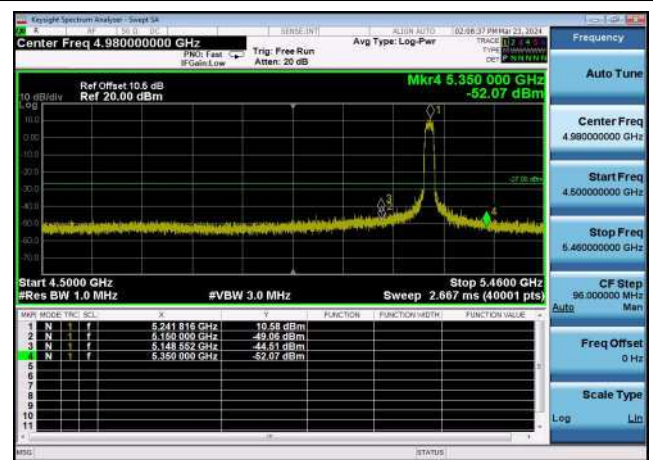
U-NII-1 ,Plot 1,Band Edge-802.11a(20M Hz),5180MHz,Ant1



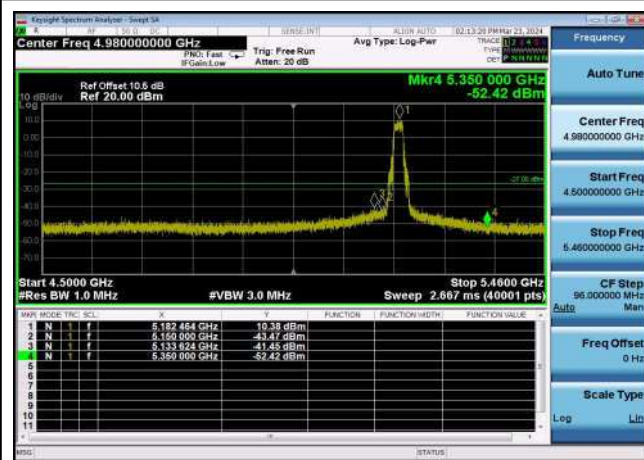
U-NII-1 ,Plot 1,Band Edge-802.11a(20M Hz),5220MHz,Ant1



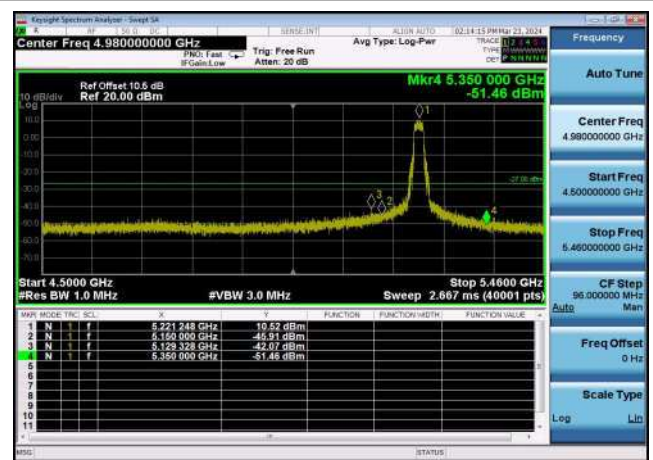
U-NII-1 ,Plot 1,Band Edge-802.11a(20M Hz),5240MHz,Ant1



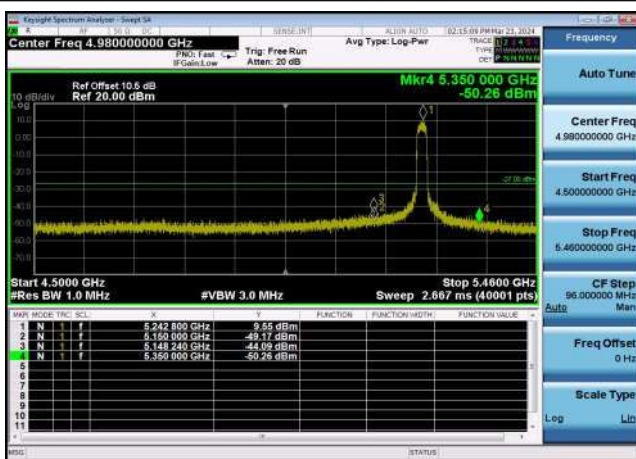
U-NII-1 ,Plot 1,Band Edge-802.11ac(20 MHz),5180MHz,Ant1



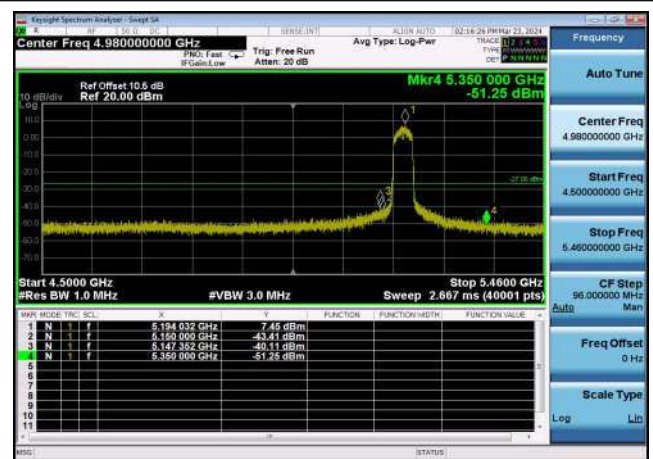
U-NII-1 ,Plot 1,Band Edge-802.11ac(20 MHz),5220MHz,Ant1



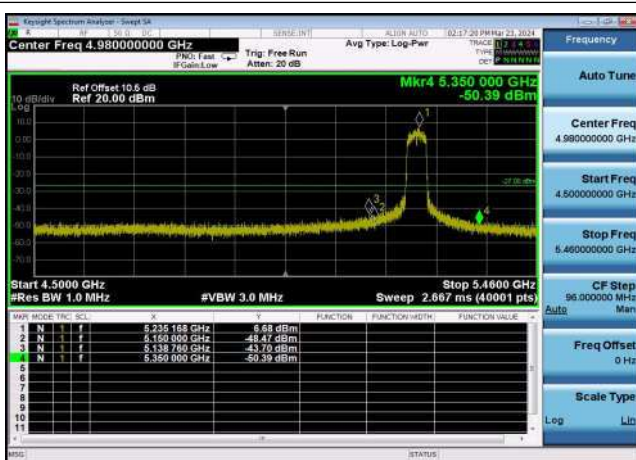
U-NII-1 ,Plot 1,Band Edge-802.11ac(20 MHz),5240MHz,Ant1



U-NII-1 ,Plot 1,Band Edge-802.11ac(40 MHz),5190MHz,Ant1



U-NII-1 ,Plot 1,Band Edge-802.11ac(40 MHz),5230MHz,Ant1



U-NII-1 ,Plot 1,Band Edge-802.11ac(80 MHz),5210MHz,Ant1

