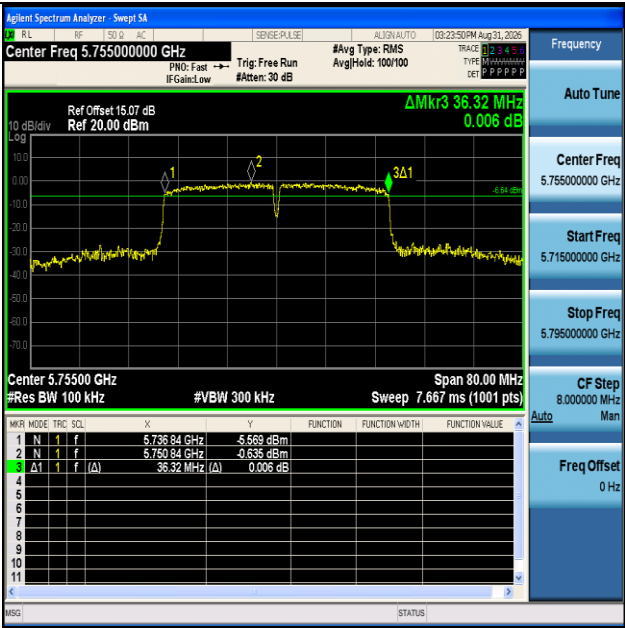
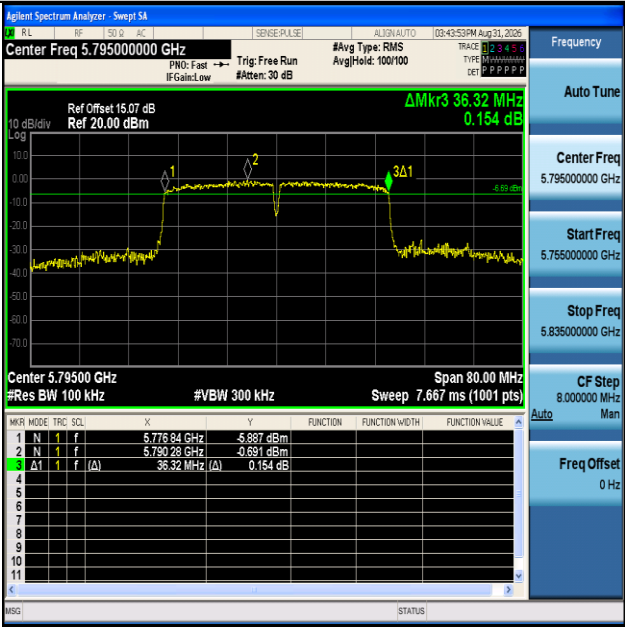




11N40SISO-Ant1-5755-PASS

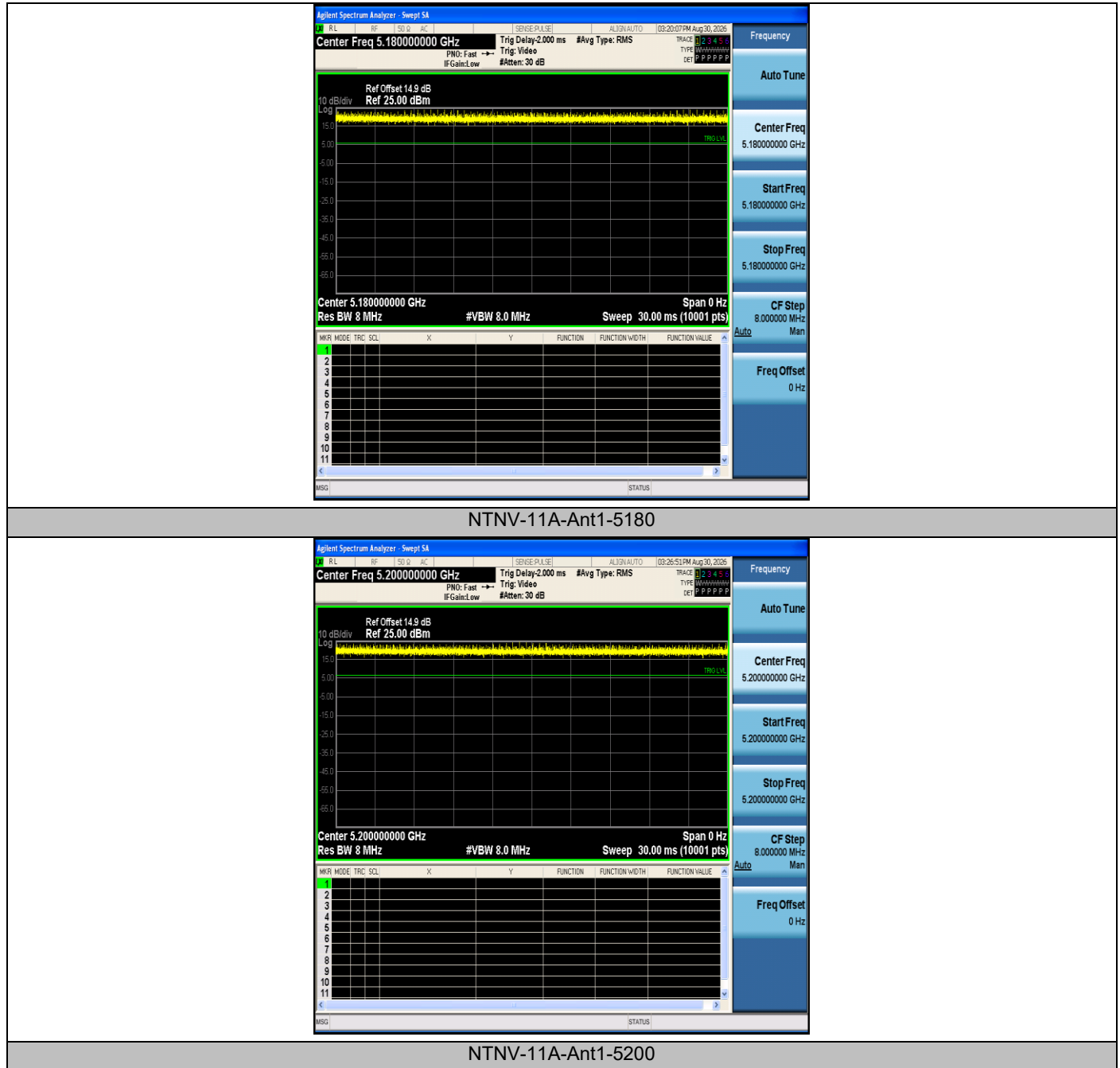


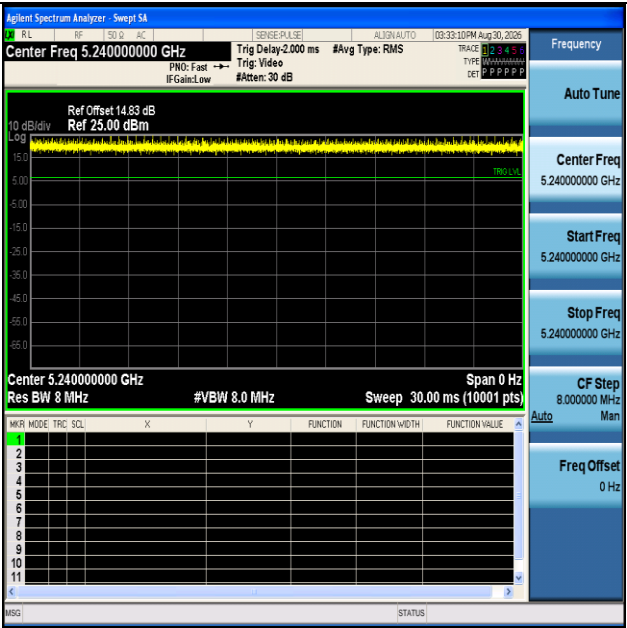
11N40SISO-Ant1-5795-PASS

## Duty cycle

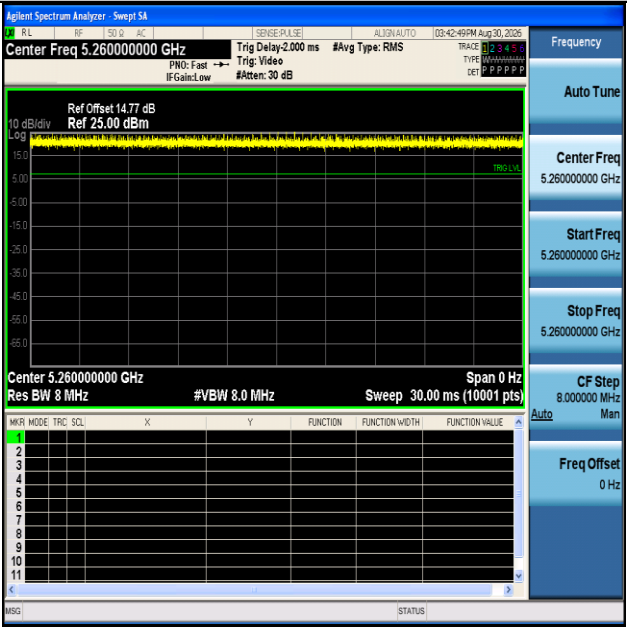
| TestMode  | Antenna | Frequency[MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|-----------|---------|----------------|----------------------------|--------------------------|----------------|
| 11A       | Ant1    | 5180           | 30.00                      | 30.00                    | 100.00         |
| 11A       | Ant1    | 5200           | 30.00                      | 30.00                    | 100.00         |
| 11A       | Ant1    | 5240           | 30.00                      | 30.00                    | 100.00         |
| 11A       | Ant1    | 5260           | 30.00                      | 30.00                    | 100.00         |
| 11A       | Ant1    | 5280           | 30.00                      | 30.00                    | 100.00         |
| 11A       | Ant1    | 5320           | 30.00                      | 30.00                    | 100.00         |
| 11A       | Ant1    | 5500           | 30.00                      | 30.00                    | 100.00         |
| 11A       | Ant1    | 5580           | 30.00                      | 30.00                    | 100.00         |
| 11A       | Ant1    | 5700           | 30.00                      | 30.00                    | 100.00         |
| 11A       | Ant1    | 5745           | 30.00                      | 30.00                    | 100.00         |
| 11A       | Ant1    | 5785           | 30.00                      | 30.00                    | 100.00         |
| 11A       | Ant1    | 5825           | 30.00                      | 30.00                    | 100.00         |
| 11N20SISO | Ant1    | 5180           | 30.00                      | 30.00                    | 100.00         |
| 11N20SISO | Ant1    | 5200           | 30.00                      | 30.00                    | 100.00         |
| 11N20SISO | Ant1    | 5240           | 30.00                      | 30.00                    | 100.00         |
| 11N20SISO | Ant1    | 5260           | 30.00                      | 30.00                    | 100.00         |
| 11N20SISO | Ant1    | 5280           | 30.00                      | 30.00                    | 100.00         |
| 11N20SISO | Ant1    | 5320           | 30.00                      | 30.00                    | 100.00         |
| 11N20SISO | Ant1    | 5500           | 30.00                      | 30.00                    | 100.00         |
| 11N20SISO | Ant1    | 5580           | 30.00                      | 30.00                    | 100.00         |
| 11N20SISO | Ant1    | 5700           | 30.00                      | 30.00                    | 100.00         |
| 11N20SISO | Ant1    | 5745           | 30.00                      | 30.00                    | 100.00         |
| 11N20SISO | Ant1    | 5785           | 30.00                      | 30.00                    | 100.00         |
| 11N20SISO | Ant1    | 5825           | 30.00                      | 30.00                    | 100.00         |
| 11N40SISO | Ant1    | 5190           | 30.00                      | 30.00                    | 100.00         |
| 11N40SISO | Ant1    | 5230           | 30.00                      | 30.00                    | 100.00         |
| 11N40SISO | Ant1    | 5270           | 30.00                      | 30.00                    | 100.00         |
| 11N40SISO | Ant1    | 5310           | 30.00                      | 30.00                    | 100.00         |
| 11N40SISO | Ant1    | 5510           | 30.00                      | 30.00                    | 100.00         |
| 11N40SISO | Ant1    | 5550           | 30.00                      | 30.00                    | 100.00         |
| 11N40SISO | Ant1    | 5670           | 30.00                      | 30.00                    | 100.00         |
| 11N40SISO | Ant1    | 5755           | 30.00                      | 30.00                    | 100.00         |
| 11N40SISO | Ant1    | 5795           | 30.00                      | 30.00                    | 100.00         |

## Test Graphs

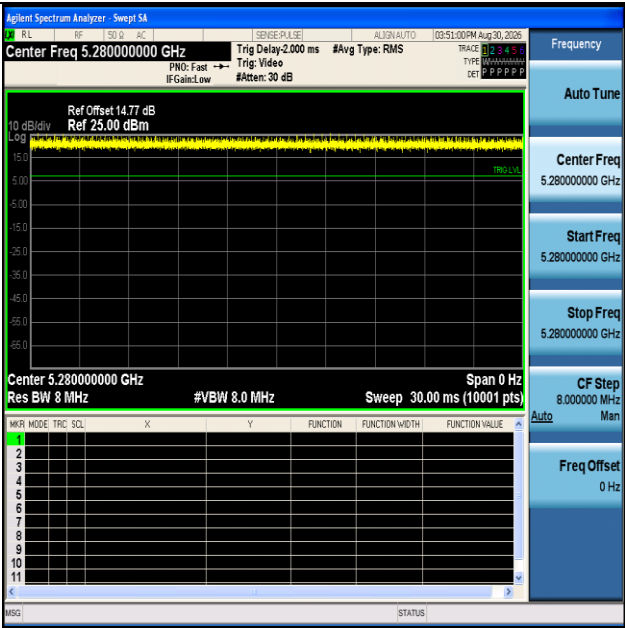




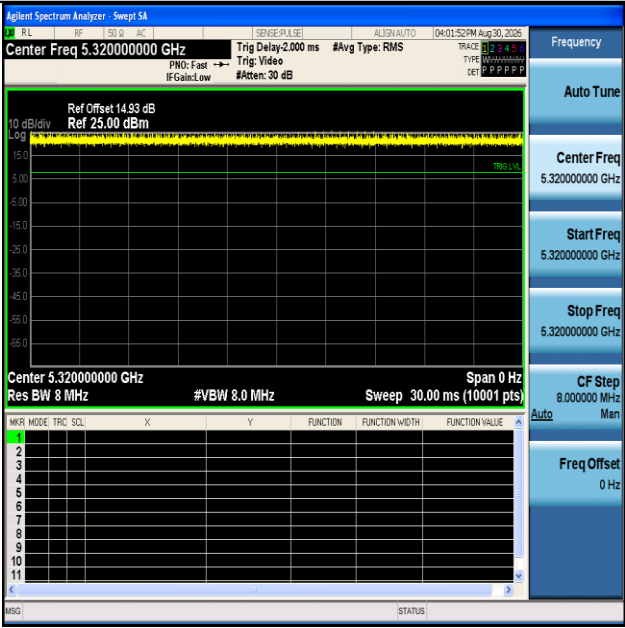
NTNV-11A-Ant1-5240



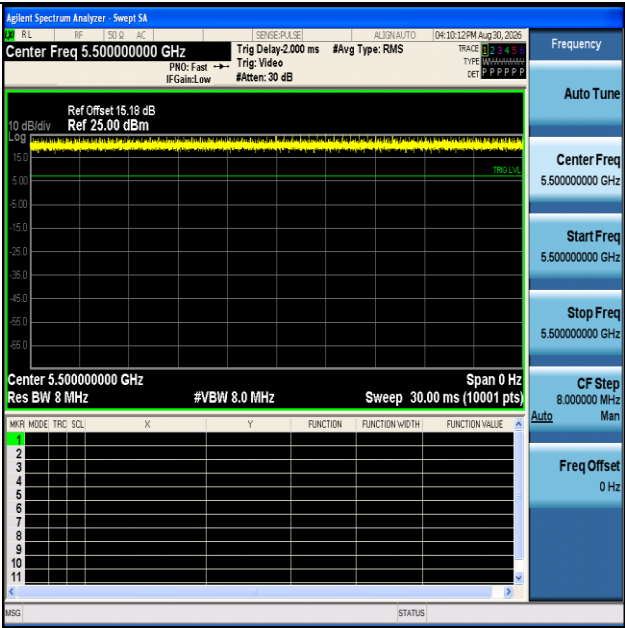
NTNV-11A-Ant1-5260



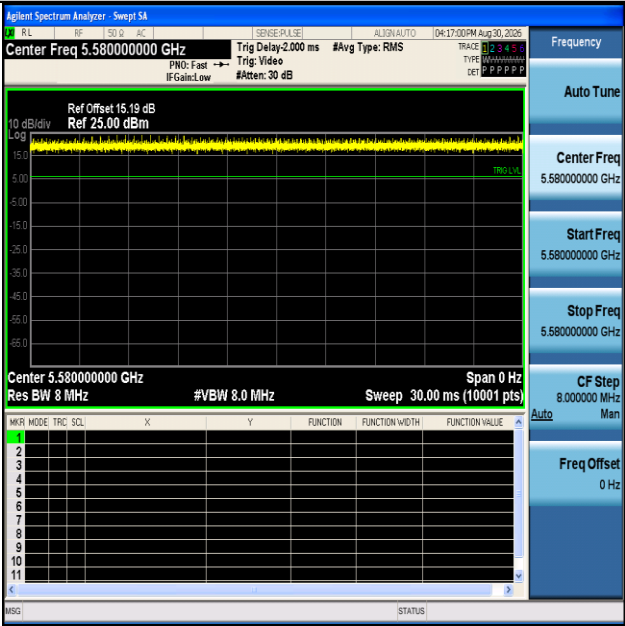
NTNV-11A-Ant1-5280



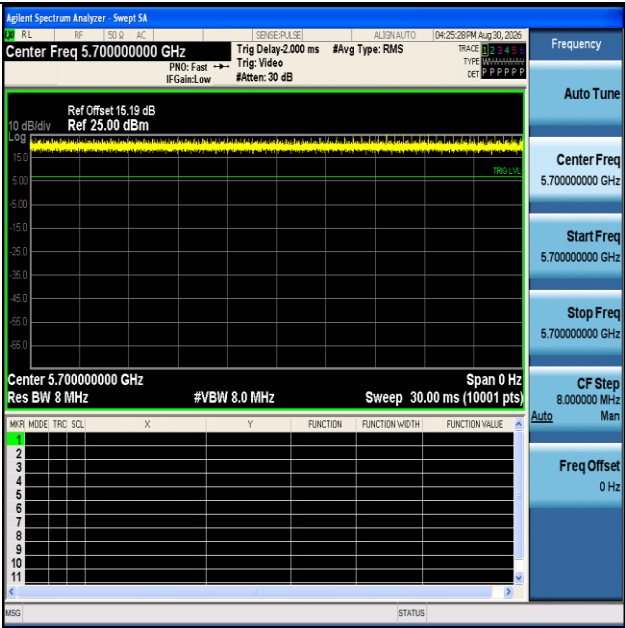
NTNV-11A-Ant1-5320



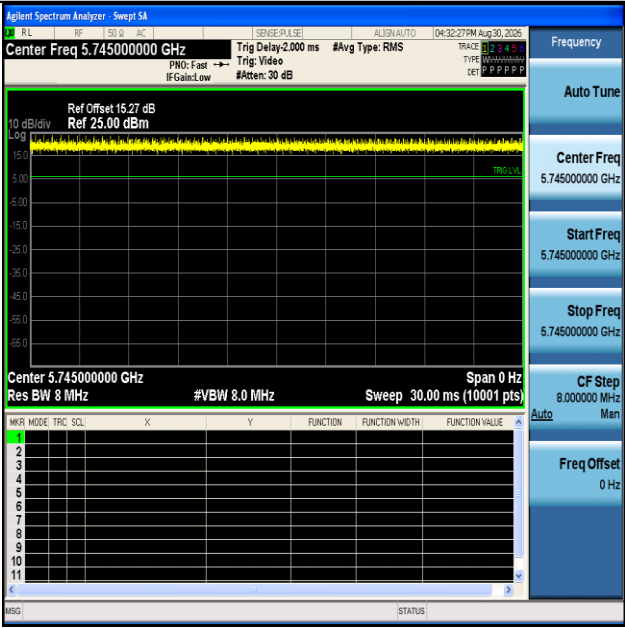
NTNV-11A-Ant1-5500



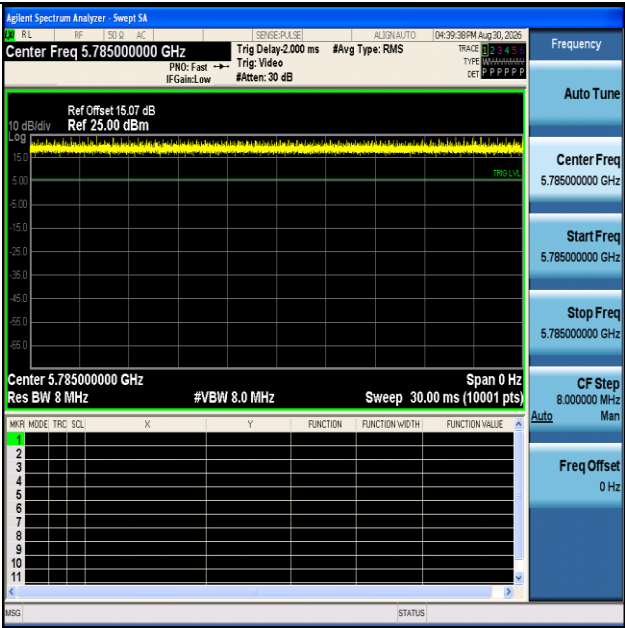
NTNV-11A-Ant1-5580



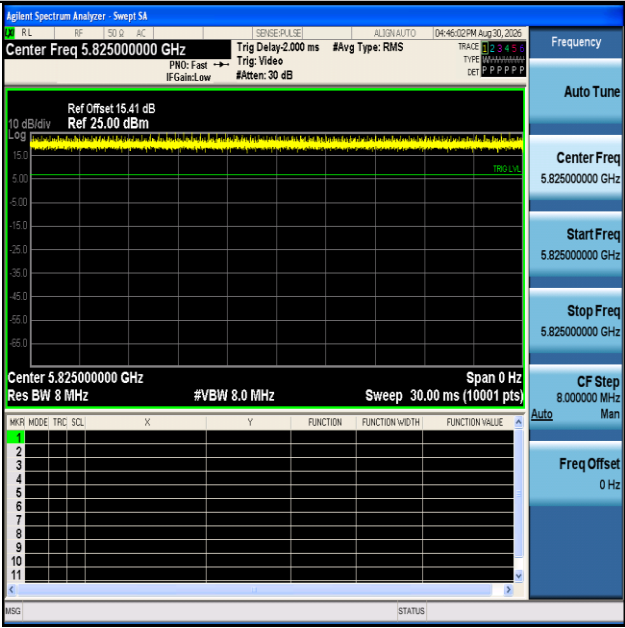
NTNV-11A-Ant1-5700



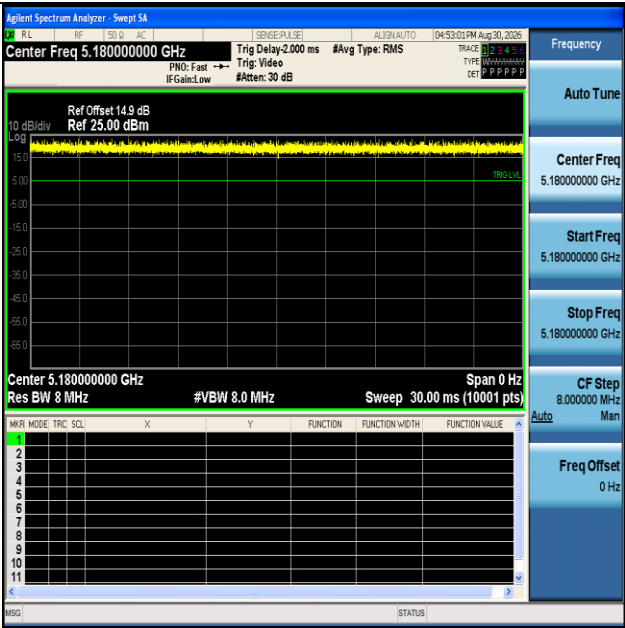
NTNV-11A-Ant1-5745



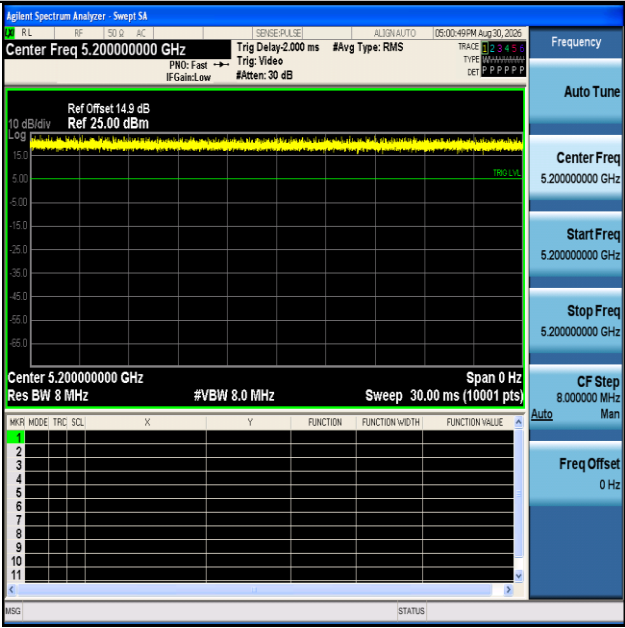
NTNV-11A-Ant1-5785



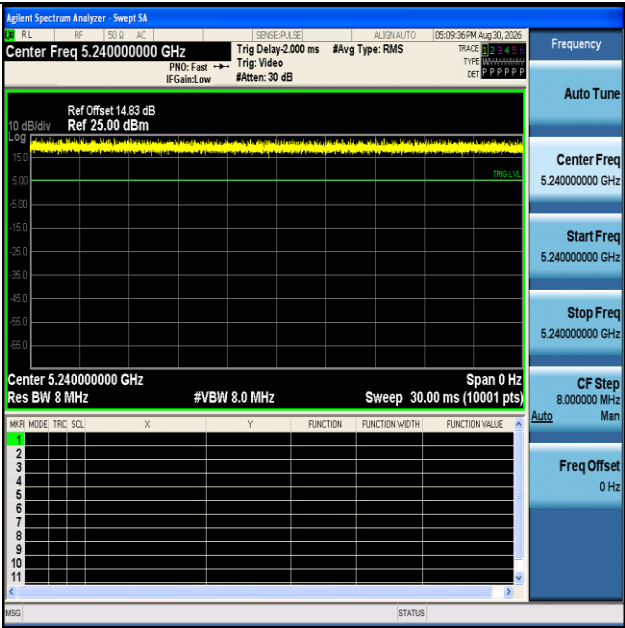
NTNV-11A-Ant1-5825



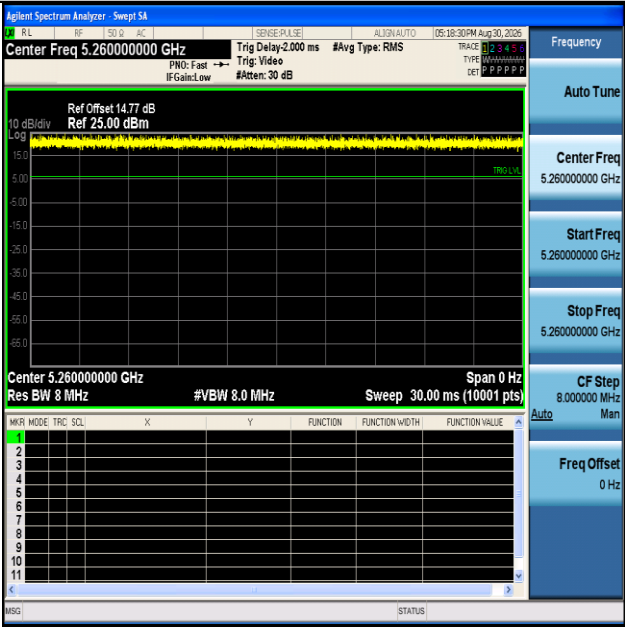
NTNV-11N20SISO-Ant1-5180



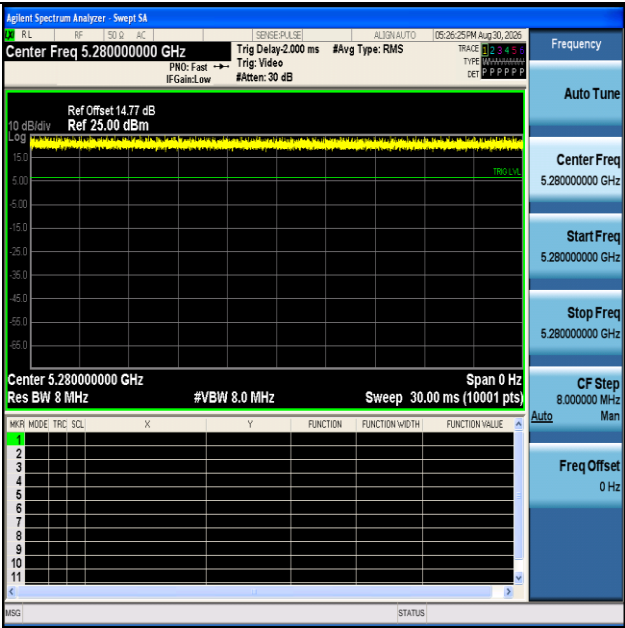
NTNV-11N20SISO-Ant1-5200



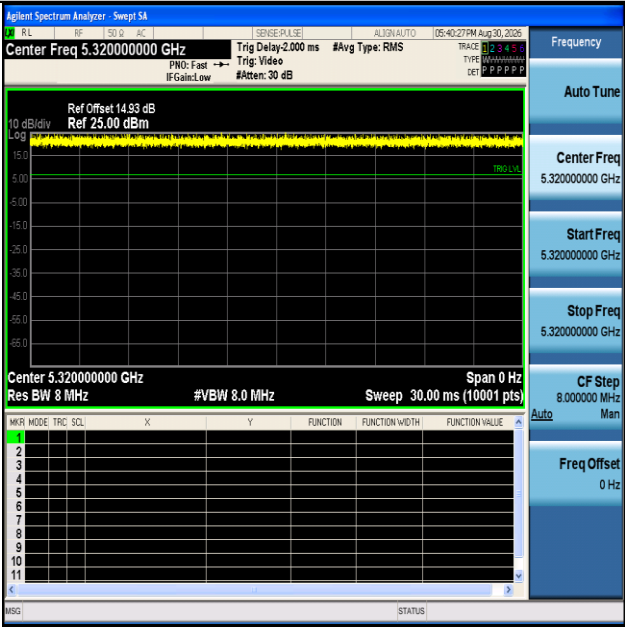
NTNV-11N20SISO-Ant1-5240



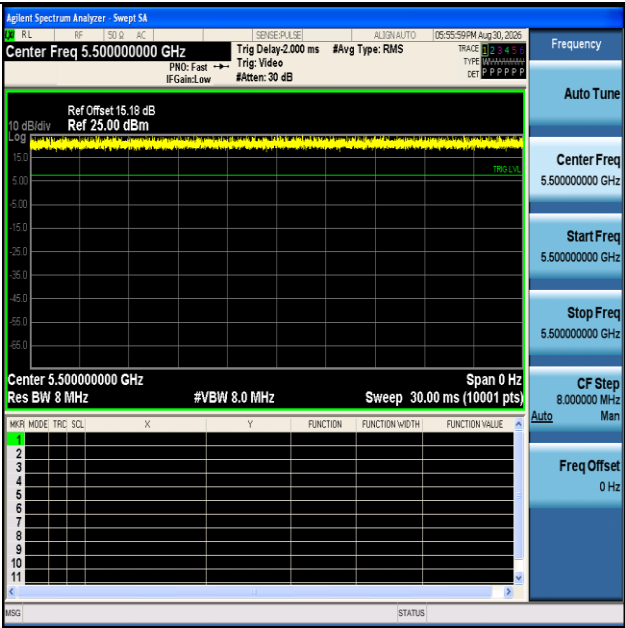
NTNV-11N20SISO-Ant1-5260



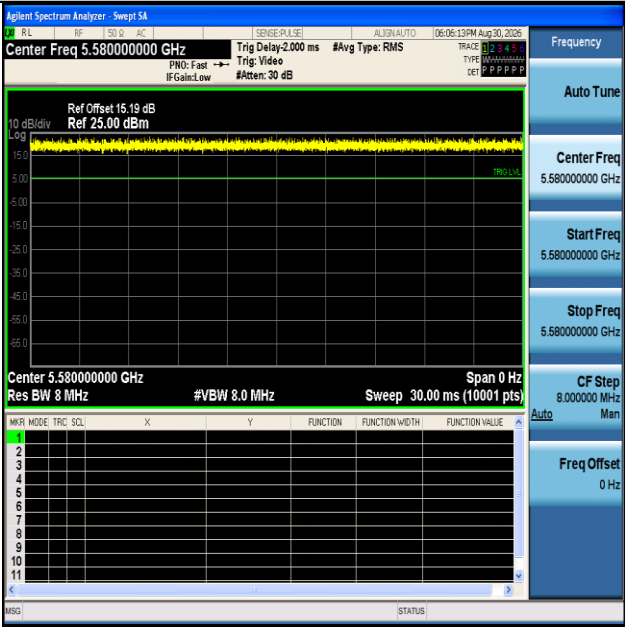
NTNV-11N20SISO-Ant1-5280



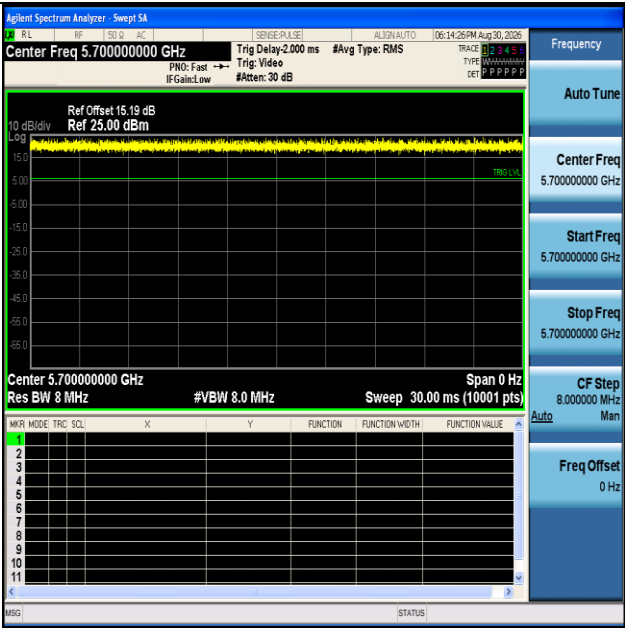
NTNV-11N20SISO-Ant1-5320



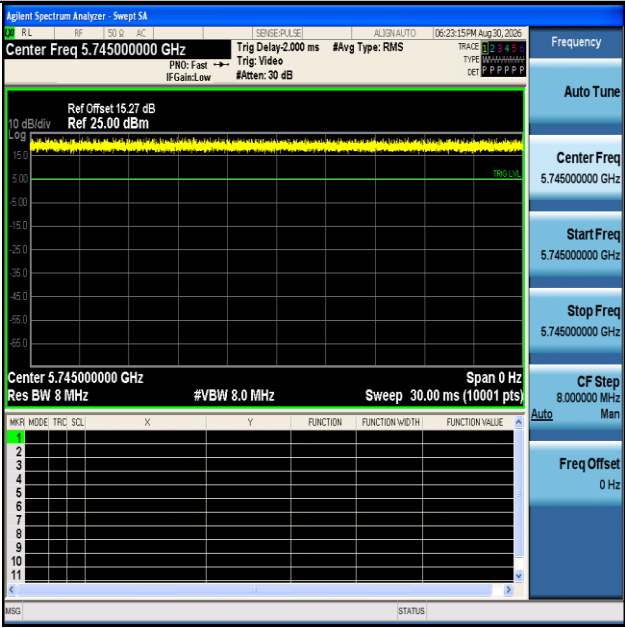
NTNV-11N20SISO-Ant1-5500



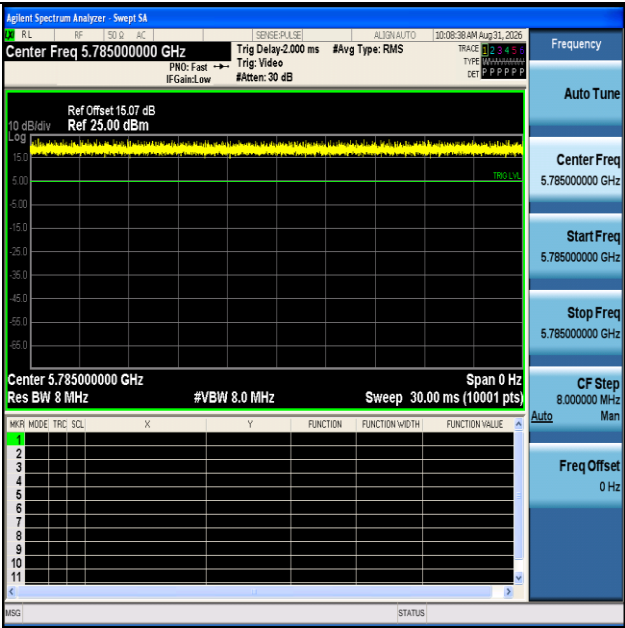
NTNV-11N20SISO-Ant1-5580



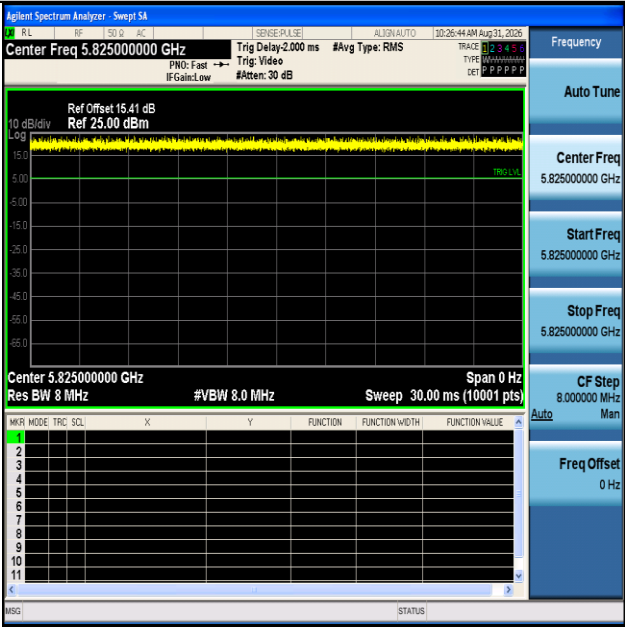
NTNV-11N20SISO-Ant1-5700



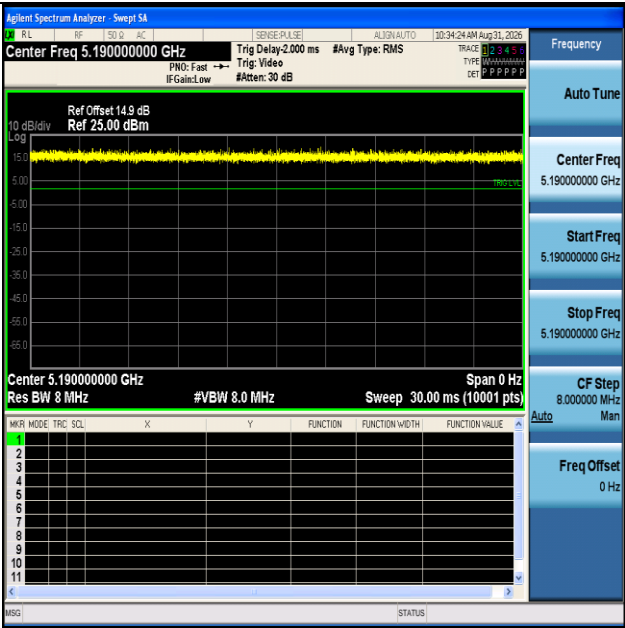
NTNV-11N20SISO-Ant1-5745



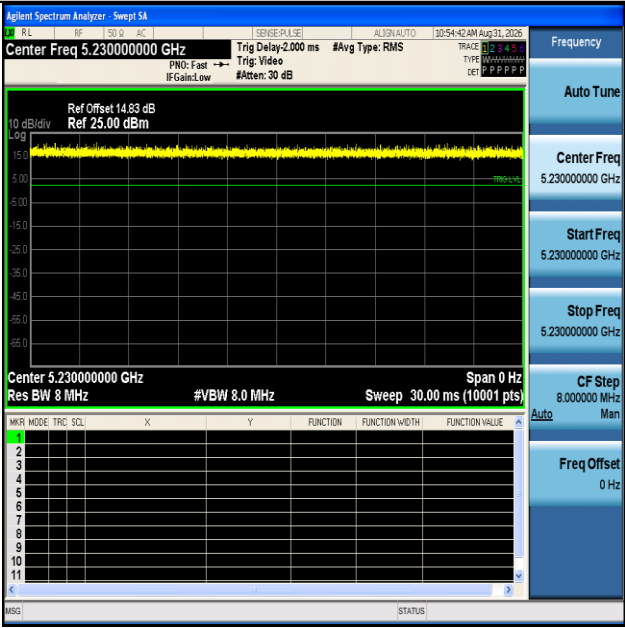
NTNV-11N20SISO-Ant1-5785



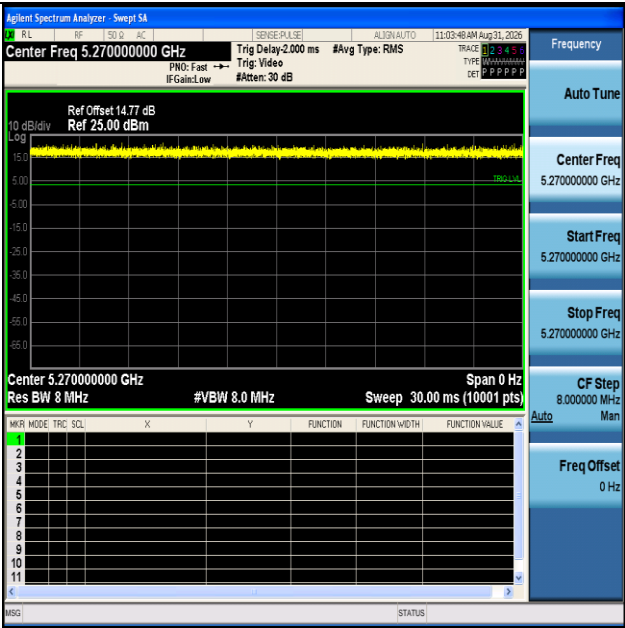
NTNV-11N20SISO-Ant1-5825



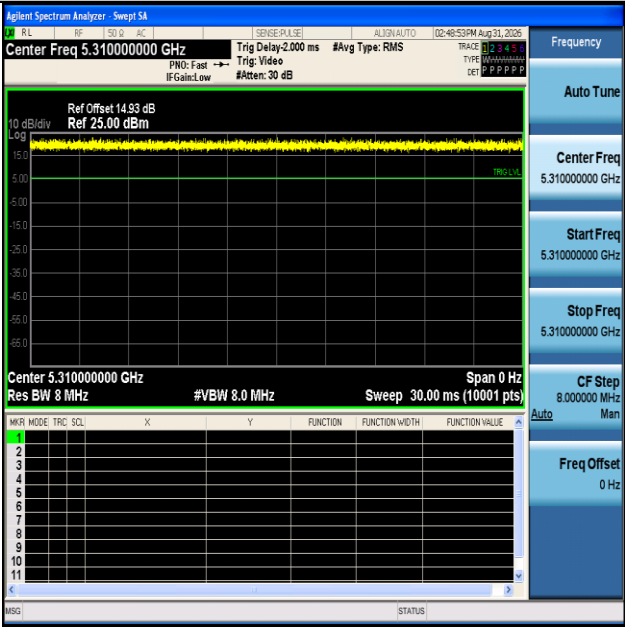
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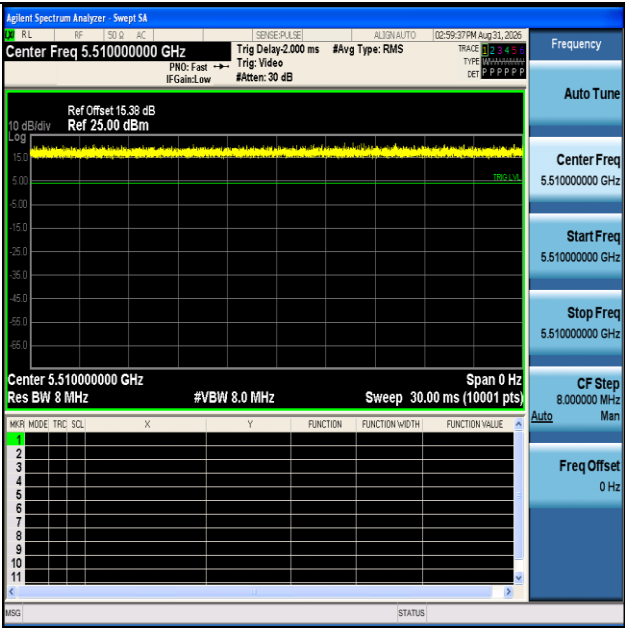
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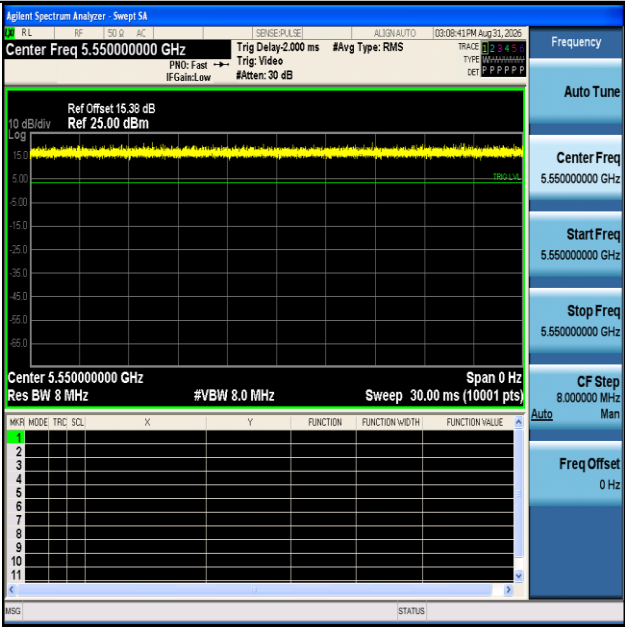
NTNV-11N40SISO-Ant1-5270



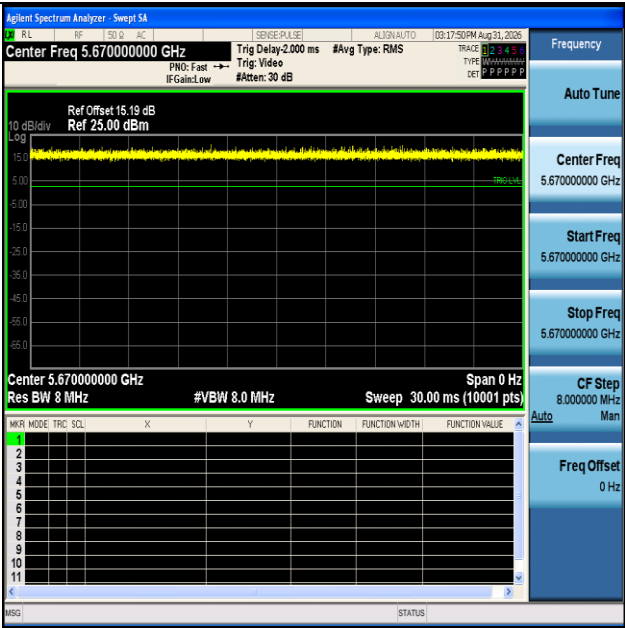
NTNV-11N40SISO-Ant1-5310



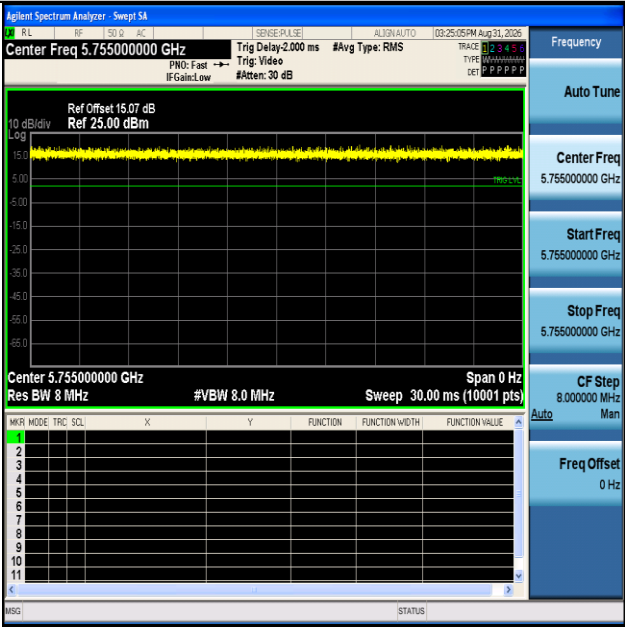
NTNV-11N40SISO-Ant1-5510



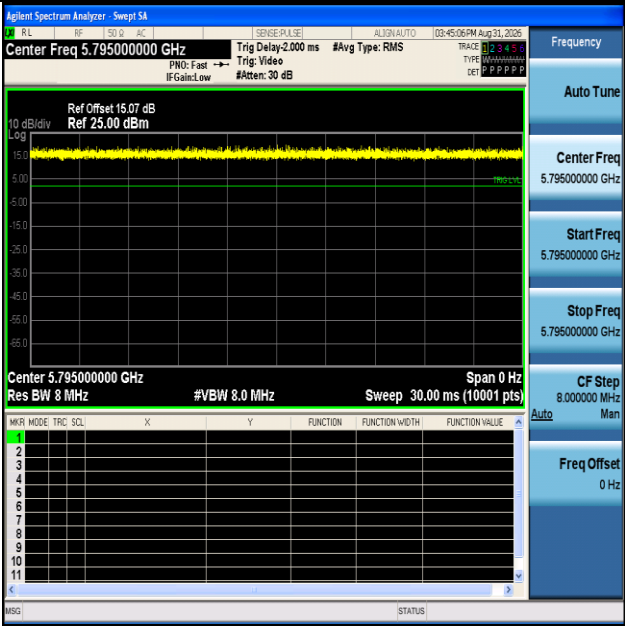
NTNV-11N40SISO-Ant1-5550



NTNV-11N40SISO-Ant1-5670



NTNV-11N40SISO-Ant1-5755



NTNV-11N40SISO-Ant1-5795

## Power Output

|           | Mode              | Channel | Frequency (MHz) | Average Power (dBm) | Limit (dBm) |
|-----------|-------------------|---------|-----------------|---------------------|-------------|
| 5GHz WLAN | 802.11a 6Mbps     | 36      | 5180            | 15.22               | 24.00       |
|           |                   | 40      | 5200            | 15.31               | 24.00       |
|           |                   | 48      | 5240            | 15.25               | 24.00       |
|           |                   | 52      | 5260            | 15.41               | 24.00       |
|           |                   | 56      | 5280            | 15.52               | 24.00       |
|           |                   | 64      | 5320            | 15.37               | 24.00       |
|           |                   | 100     | 5500            | 18.38               | 24.00       |
|           |                   | 116     | 5580            | 18.85               | 24.00       |
|           |                   | 140     | 5700            | 17.23               | 24.00       |
|           |                   | 149     | 5745            | 16.52               | 30.00       |
|           |                   | 157     | 5785            | 16.85               | 30.00       |
|           |                   | 165     | 5825            | 16.47               | 30.00       |
|           | 802.11n-HT20 MCS0 | 36      | 5180            | 14.98               | 24.00       |
|           |                   | 40      | 5200            | 15.35               | 24.00       |
|           |                   | 48      | 5240            | 15.58               | 24.00       |
|           |                   | 52      | 5260            | 14.86               | 24.00       |
|           |                   | 56      | 5280            | 15.75               | 24.00       |
|           |                   | 64      | 5320            | 15.64               | 24.00       |
|           |                   | 100     | 5500            | 16.94               | 24.00       |
|           |                   | 116     | 5580            | 16.05               | 24.00       |
|           |                   | 140     | 5700            | 16.74               | 24.00       |
|           |                   | 149     | 5745            | 16.67               | 30.00       |
|           |                   | 157     | 5785            | 16.47               | 30.00       |
|           |                   | 165     | 5825            | 16.53               | 30.00       |
|           | 802.11n-HT40 MCS0 | 38      | 5190            | 14.21               | 24.00       |
|           |                   | 46      | 5230            | 14.97               | 24.00       |
|           |                   | 54      | 5270            | 14.26               | 24.00       |
|           |                   | 62      | 5310            | 15.46               | 24.00       |
|           |                   | 102     | 5510            | 17.86               | 24.00       |
|           |                   | 118     | 5590            | 17.19               | 24.00       |
|           |                   | 134     | 5670            | 16.84               | 24.00       |
|           |                   | 151     | 5755            | 16.26               | 30.00       |
|           |                   | 159     | 5795            | 16.32               | 30.00       |

Note 1: Limit = limit – (Directional gain -6dBi)

Note 2: Average Power = Conducted Power + Duty Cycle Factor

## Power Spectral Density

| TestMode  | Antenna | Frequency<br>[MHz] | Result<br>5150~5720<br>dBm/MHz | EIRP Limit<br>[5150~5720]<br>dBm/MHz | Verdict |
|-----------|---------|--------------------|--------------------------------|--------------------------------------|---------|
| 11A       | Ant1    | 5180               | 4.18                           | ≤11.00                               | PASS    |
| 11A       | Ant1    | 5200               | 4.50                           | ≤11.00                               | PASS    |
| 11A       | Ant1    | 5240               | 4.75                           | ≤11.00                               | PASS    |
| 11A       | Ant1    | 5260               | 7.04                           | ≤11.00                               | PASS    |
| 11A       | Ant1    | 5280               | 7.29                           | ≤11.00                               | PASS    |
| 11A       | Ant1    | 5320               | 7.91                           | ≤11.00                               | PASS    |
| 11A       | Ant1    | 5500               | 6.70                           | ≤11.00                               | PASS    |
| 11A       | Ant1    | 5580               | 5.55                           | ≤11.00                               | PASS    |
| 11A       | Ant1    | 5700               | 6.08                           | ≤11.00                               | PASS    |
| 11N20SISO | Ant1    | 5180               | 3.80                           | ≤11.00                               | PASS    |
| 11N20SISO | Ant1    | 5200               | 4.27                           | ≤11.00                               | PASS    |
| 11N20SISO | Ant1    | 5240               | 4.29                           | ≤11.00                               | PASS    |
| 11N20SISO | Ant1    | 5260               | 6.60                           | ≤11.00                               | PASS    |
| 11N20SISO | Ant1    | 5280               | 6.88                           | ≤11.00                               | PASS    |
| 11N20SISO | Ant1    | 5320               | 7.35                           | ≤11.00                               | PASS    |
| 11N20SISO | Ant1    | 5500               | 7.02                           | ≤11.00                               | PASS    |
| 11N20SISO | Ant1    | 5580               | 6.16                           | ≤11.00                               | PASS    |
| 11N20SISO | Ant1    | 5700               | 5.99                           | ≤11.00                               | PASS    |
| 11N40SISO | Ant1    | 5190               | 1.72                           | ≤11.00                               | PASS    |
| 11N40SISO | Ant1    | 5230               | 2.87                           | ≤11.00                               | PASS    |
| 11N40SISO | Ant1    | 5270               | 3.58                           | ≤11.00                               | PASS    |
| 11N40SISO | Ant1    | 5310               | 5.41                           | ≤11.00                               | PASS    |
| 11N40SISO | Ant1    | 5510               | 3.83                           | ≤11.00                               | PASS    |
| 11N40SISO | Ant1    | 5550               | 3.07                           | ≤11.00                               | PASS    |
| 11N40SISO | Ant1    | 5670               | 3.20                           | ≤11.00                               | PASS    |

Note 1: Only the highest power chain data shown in this report.

Note 2: The Duty Cycle Factor is compensated in the graph.

Note 3: Offset = Cable loss + Duty Cycle Factor

| TestMode  | Antenna | Frequency[MHz] | Result<br>5725~5850<br>dBm/500kHz | Limit<br>5725~5850<br>dBm/500kHz | Verdict |
|-----------|---------|----------------|-----------------------------------|----------------------------------|---------|
| 11A       | Ant1    | 5745           | 2.30                              | ≤30.00                           | PASS    |
| 11A       | Ant1    | 5785           | 2.25                              | ≤30.00                           | PASS    |
| 11A       | Ant1    | 5825           | 3.33                              | ≤30.00                           | PASS    |
| 11N20SISO | Ant1    | 5745           | 2.08                              | ≤30.00                           | PASS    |
| 11N20SISO | Ant1    | 5785           | 1.66                              | ≤30.00                           | PASS    |
| 11N20SISO | Ant1    | 5825           | 2.69                              | ≤30.00                           | PASS    |
| 11N40SISO | Ant1    | 5755           | -0.93                             | ≤30.00                           | PASS    |
| 11N40SISO | Ant1    | 5795           | -0.78                             | ≤30.00                           | PASS    |

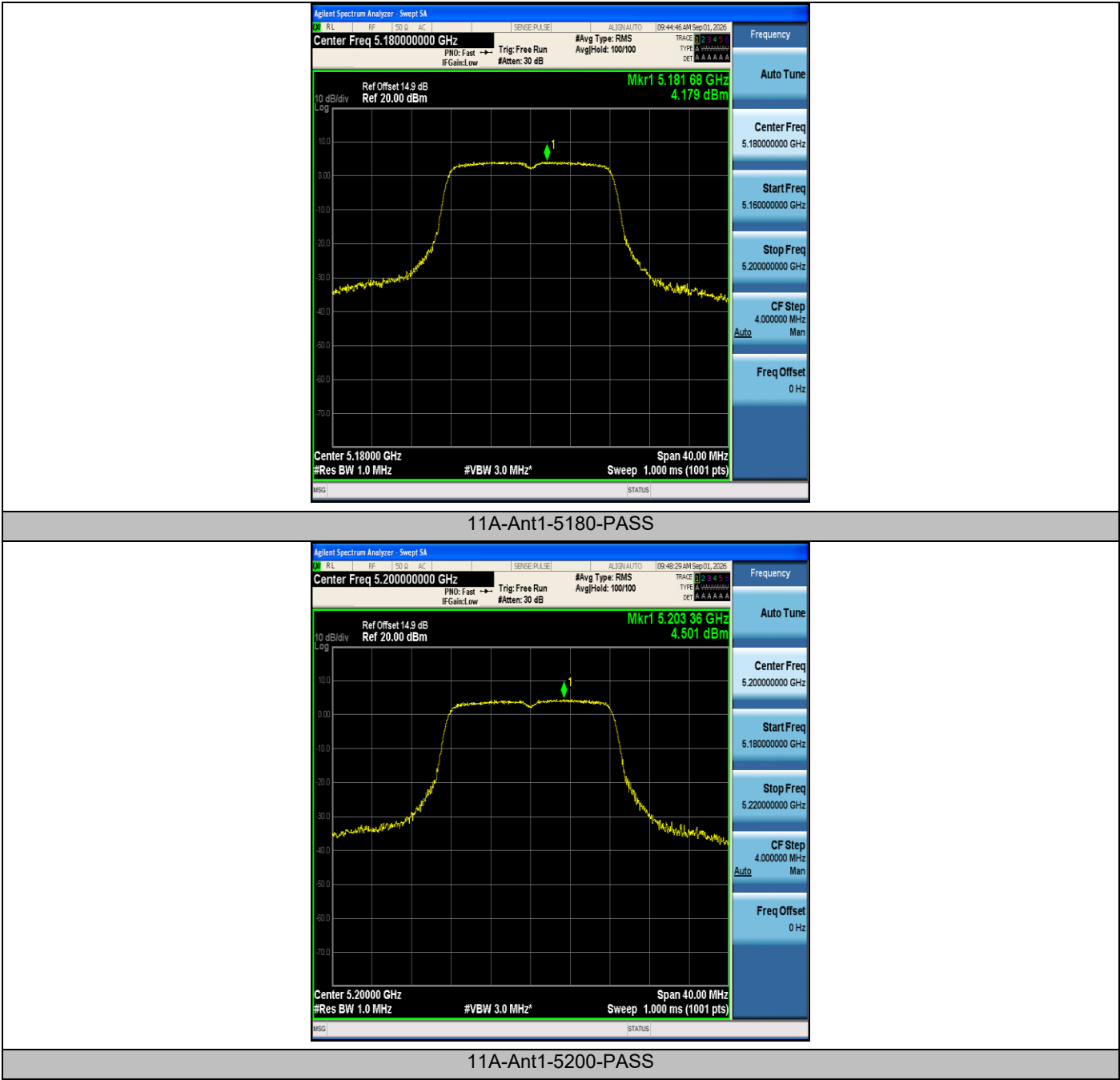
Note 1: Only the highest power chain data shown in this report.

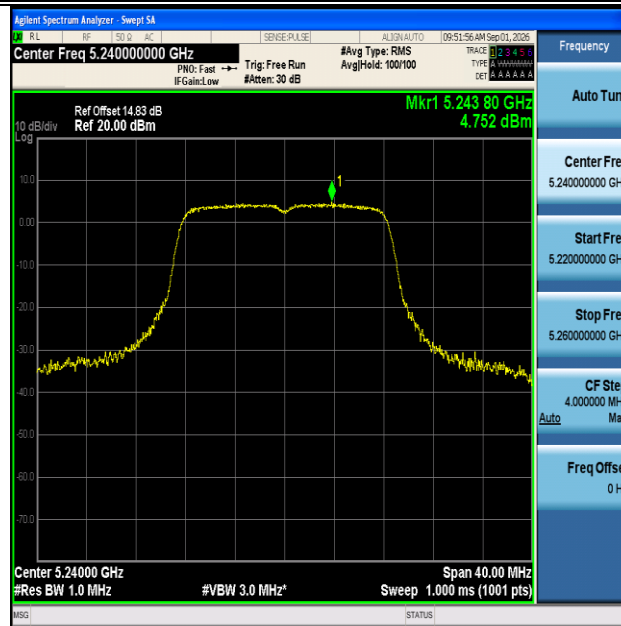
Note 2: The Duty Cycle Factor is compensated in the graph.

Note 3: Offset = Cable loss + Duty Cycle Factor + RBW Factor

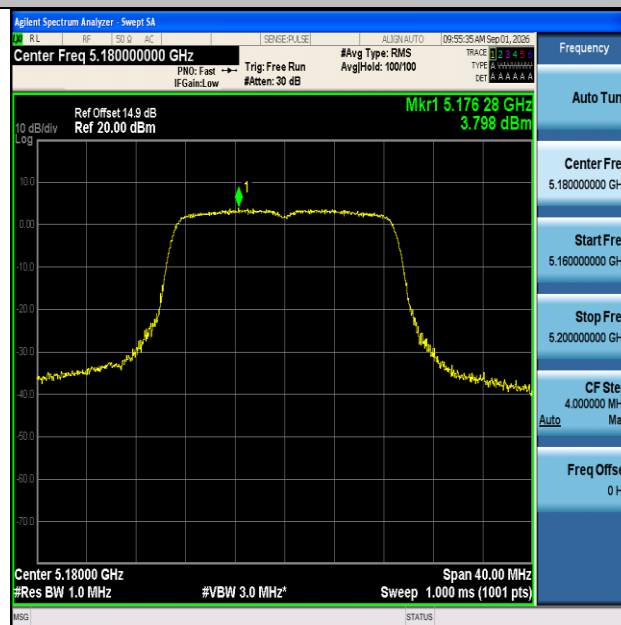


Test Graphs

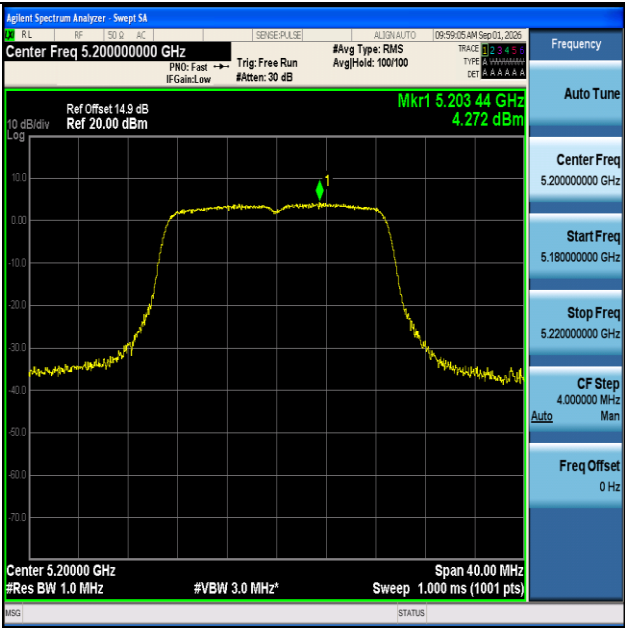




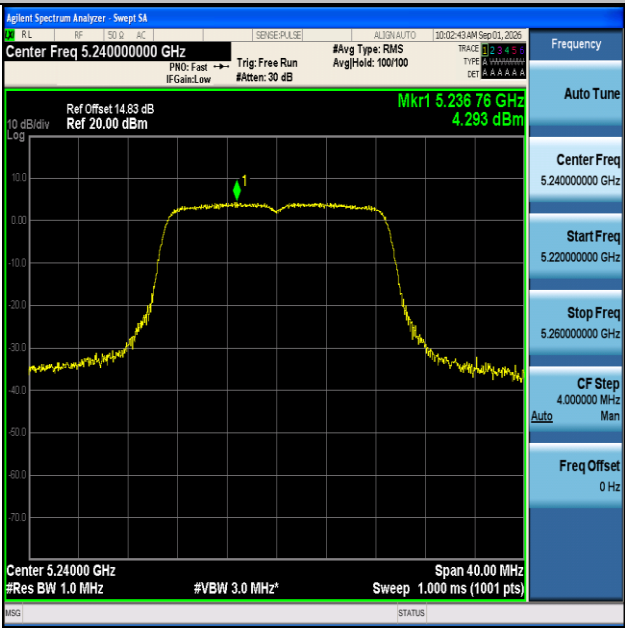
11A-Ant1-5240-PASS



11N20SISO-Ant1-5180-PASS



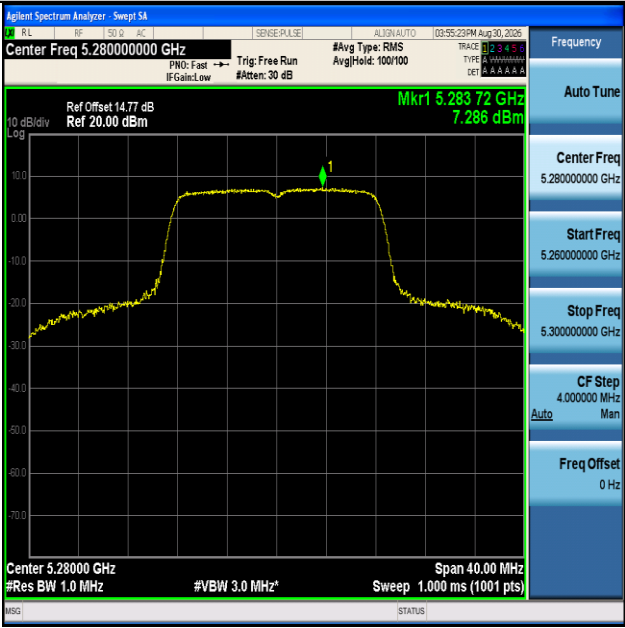
11N20SISO-Ant1-5200-PASS



11N20SISO-Ant1-5240-PASS



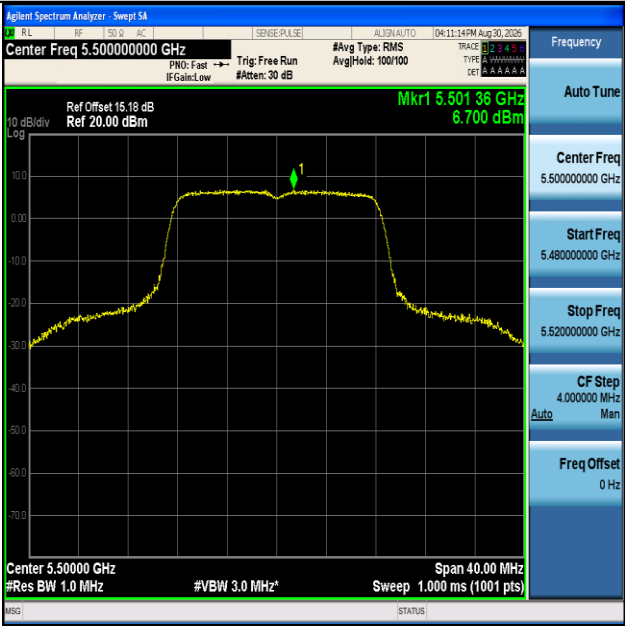
11A-Ant1-5260-PASS



11A-Ant1-5280-PASS



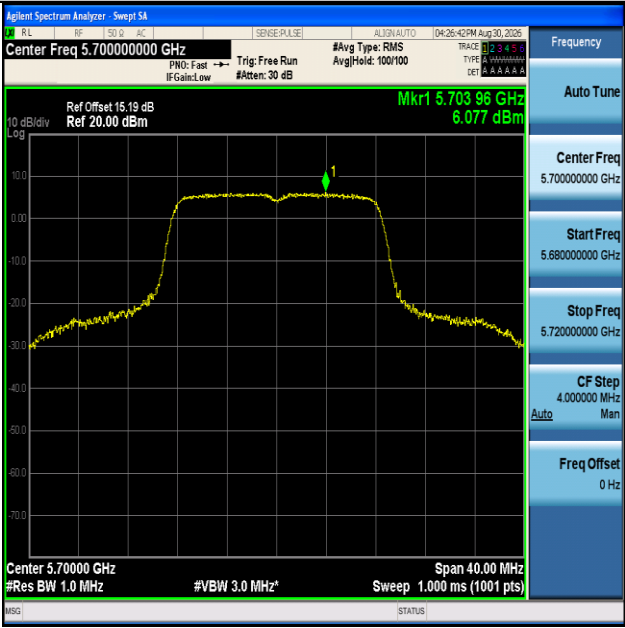
11A-Ant1-5320-PASS



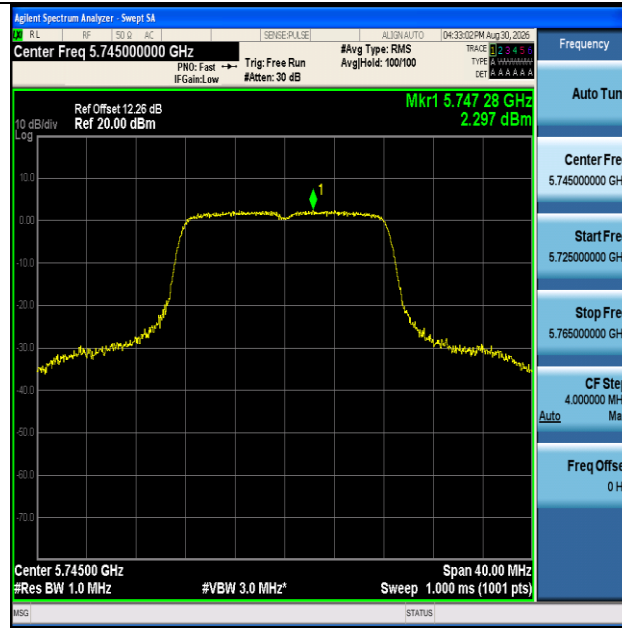
11A-Ant1-5500-PASS



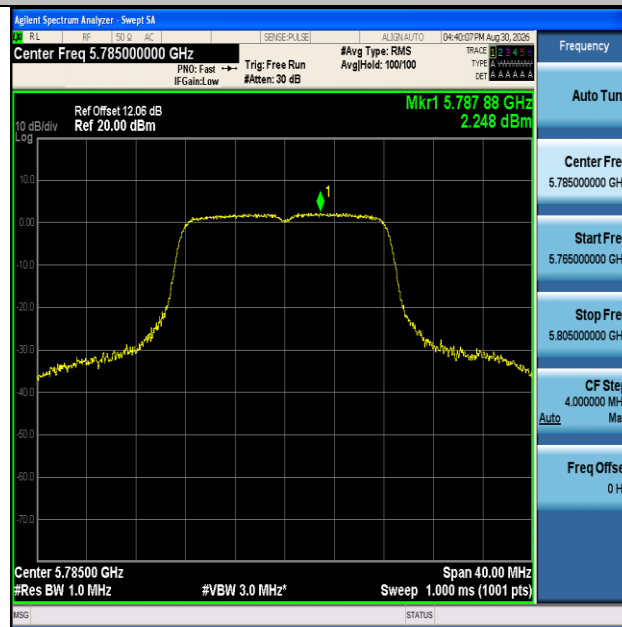
11A-Ant1-5580-PASS



11A-Ant1-5700-PASS



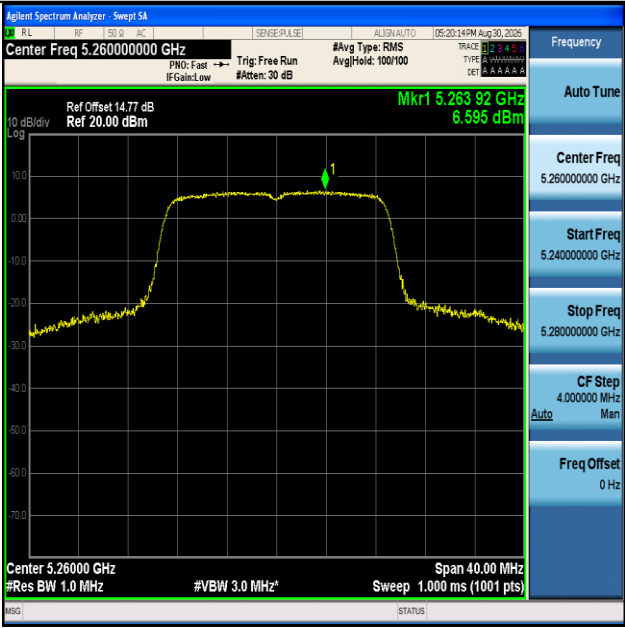
11A-Ant1-5745-PASS



11A-Ant1-5785-PASS



11A-Ant1-5825-PASS



11N20SISO-Ant1-5260-PASS



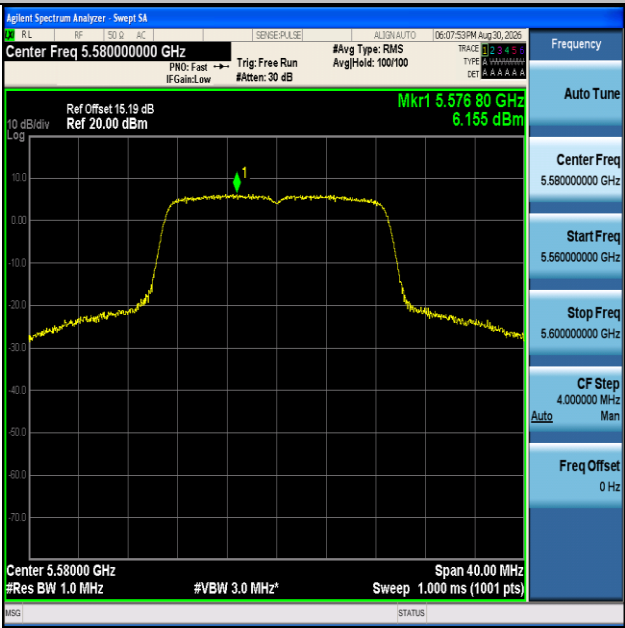
11N20SISO-Ant1-5280-PASS



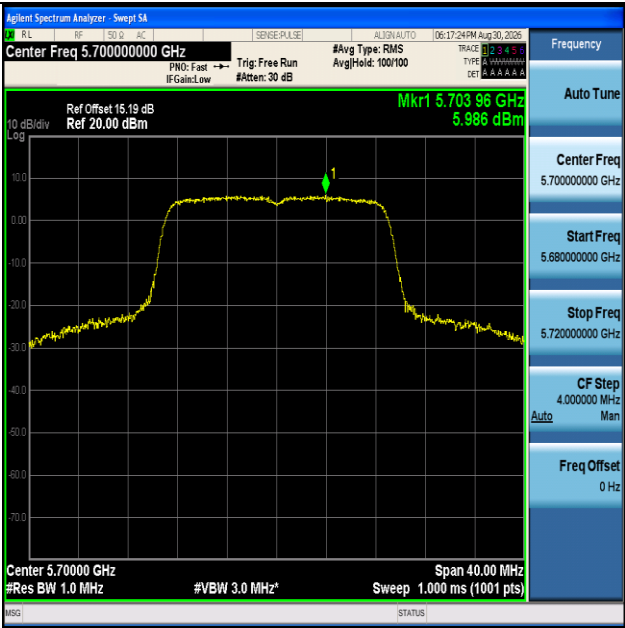
11N20SISO-Ant1-5320-PASS



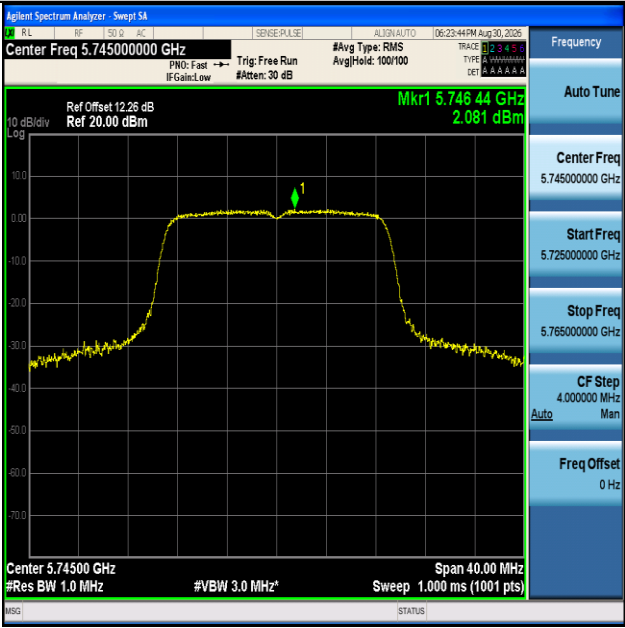
11N20SISO-Ant1-5500-PASS



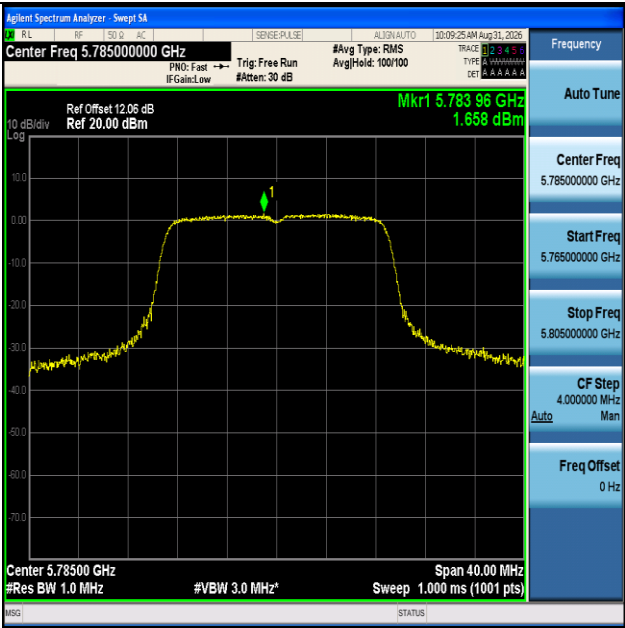
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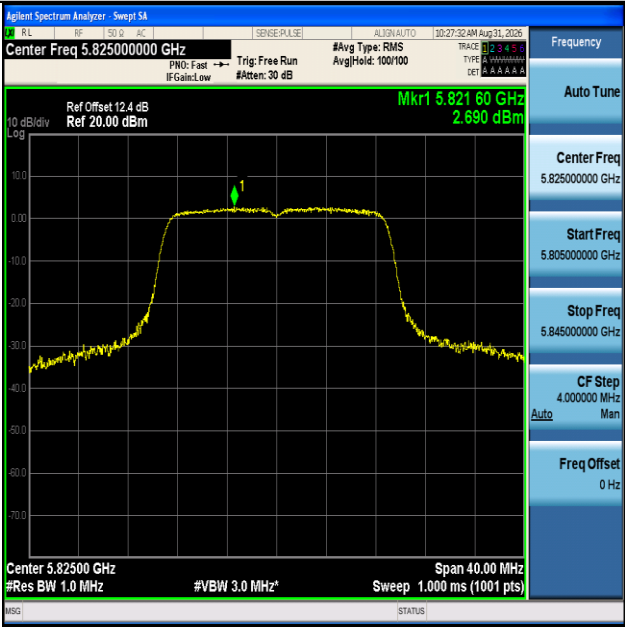
11N20SISO-Ant1-5700-PASS



11N20SISO-Ant1-5745-PASS



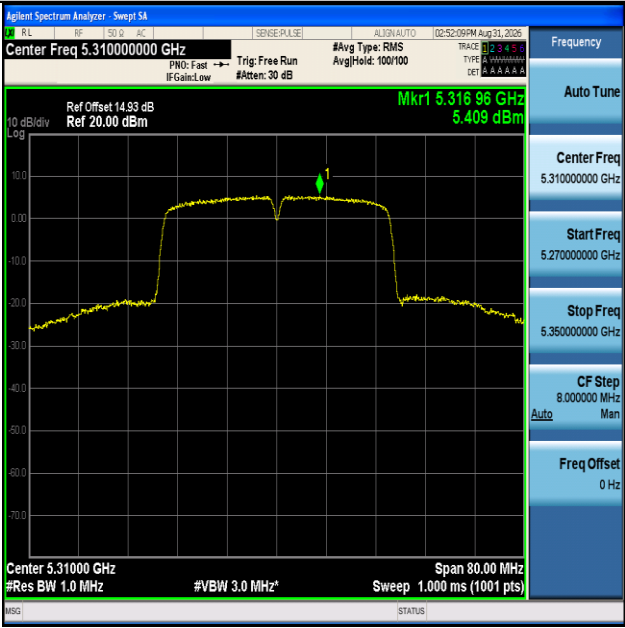
11N20SISO-Ant1-5785-PASS



11N20SISO-Ant1-5825-PASS



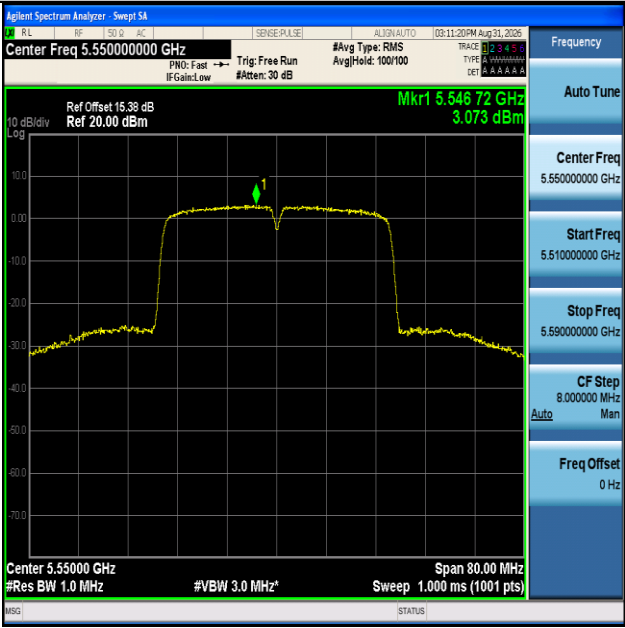
11N40SISO-Ant1-5270-PASS



11N40SISO-Ant1-5310-PASS



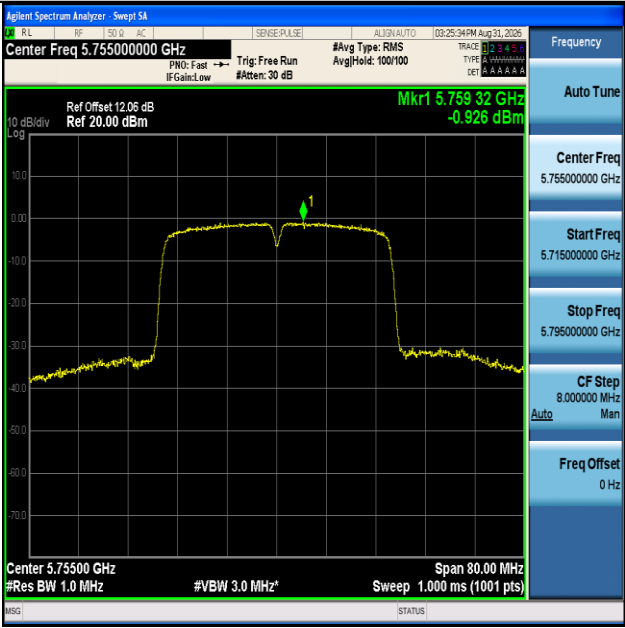
11N40SISO-Ant1-5510-PASS



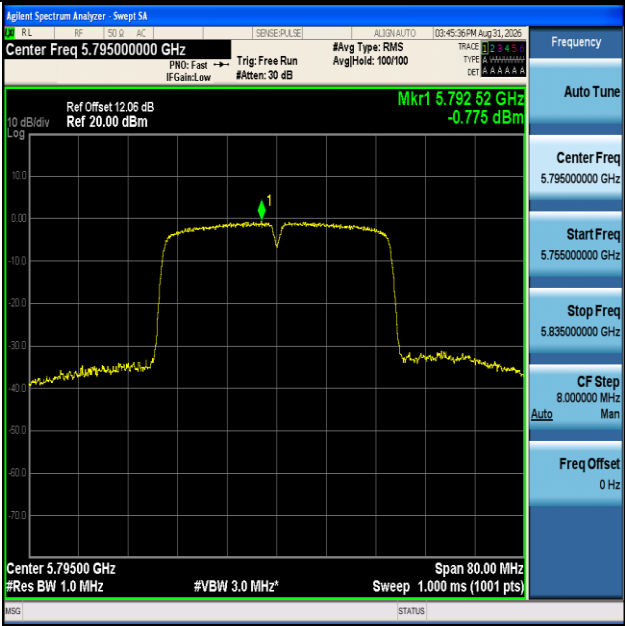
11N40SISO-Ant1-5550-PASS



11N40SISO-Ant1-5670-PASS



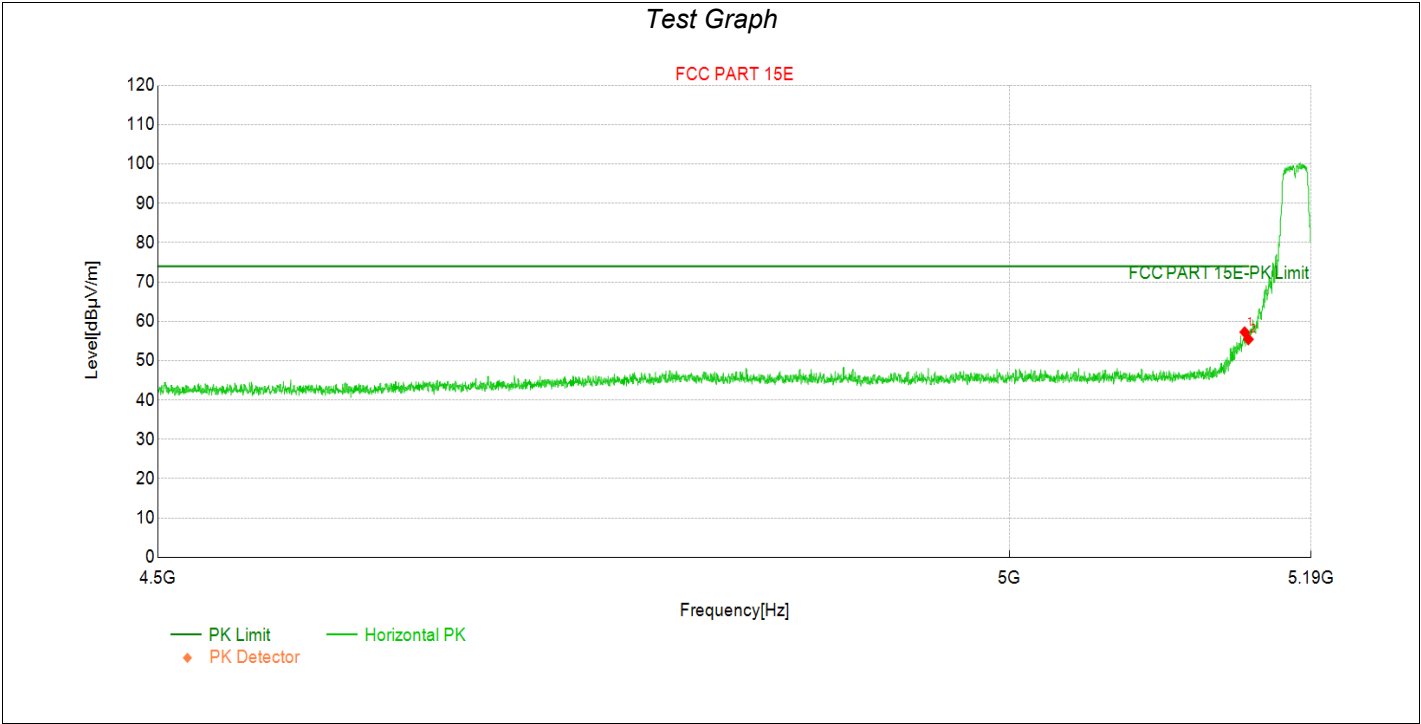
11N40SISO-Ant1-5755-PASS



11N40SISO-Ant1-5795-PASS

Radiated Emission Band Edge

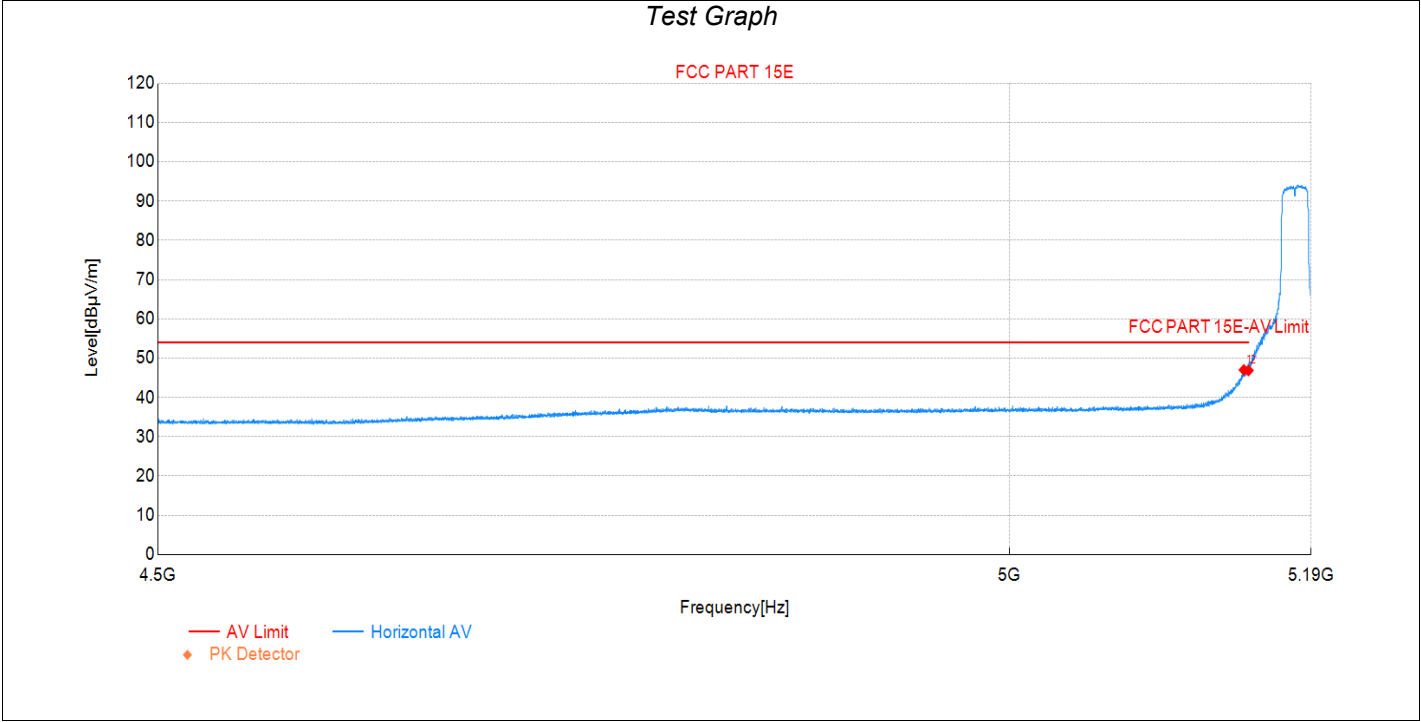
Transmit at 5180MHz by 802.11a



| Data List |                 |                |                |               |                |             |     |        |         |
|-----------|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| NO        | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
| 1         | 5147.57         | 46.25          | 57.25          | 11.000        | 74.00          | 16.75       | PK  | Horizo | PASS    |
| 2         | 5150.00         | 44.44          | 55.44          | 11.000        | 74.00          | 18.56       | PK  | Horizo | PASS    |

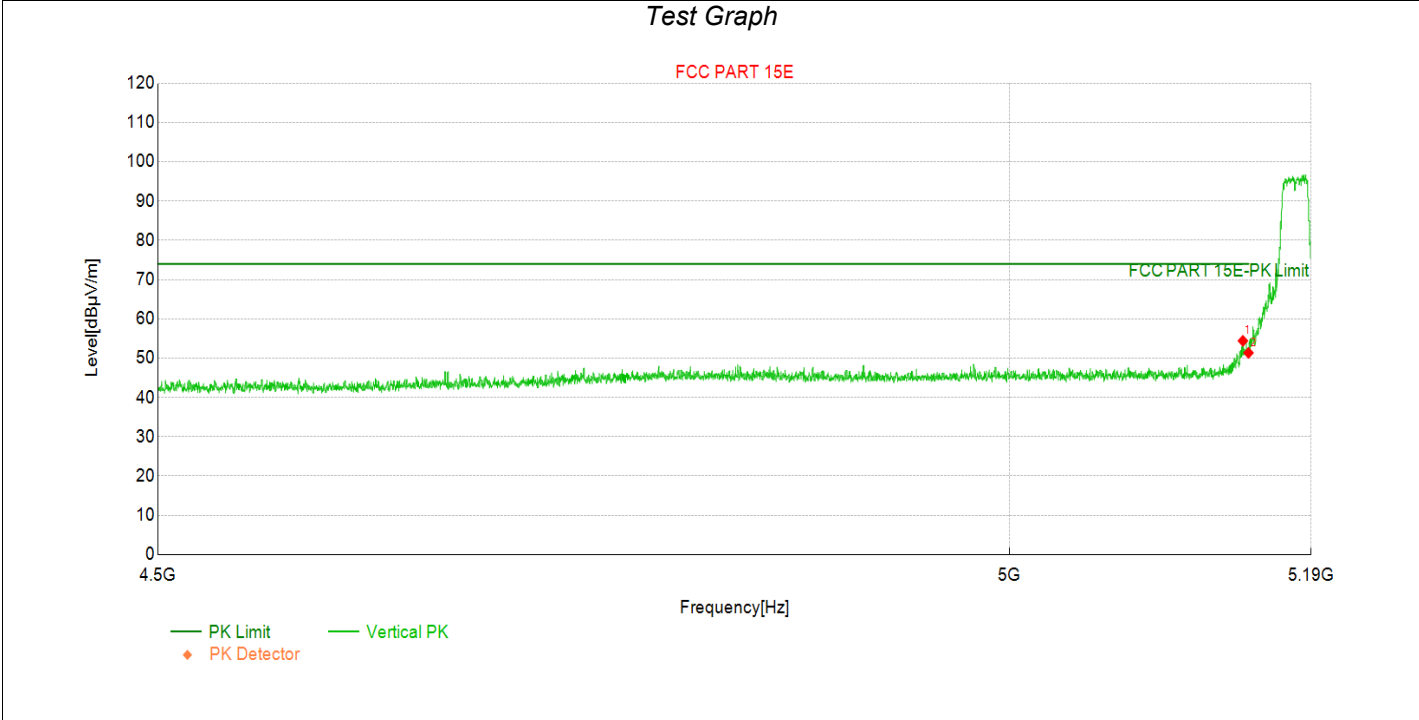


Transmit at 5180MHz by 802.11a



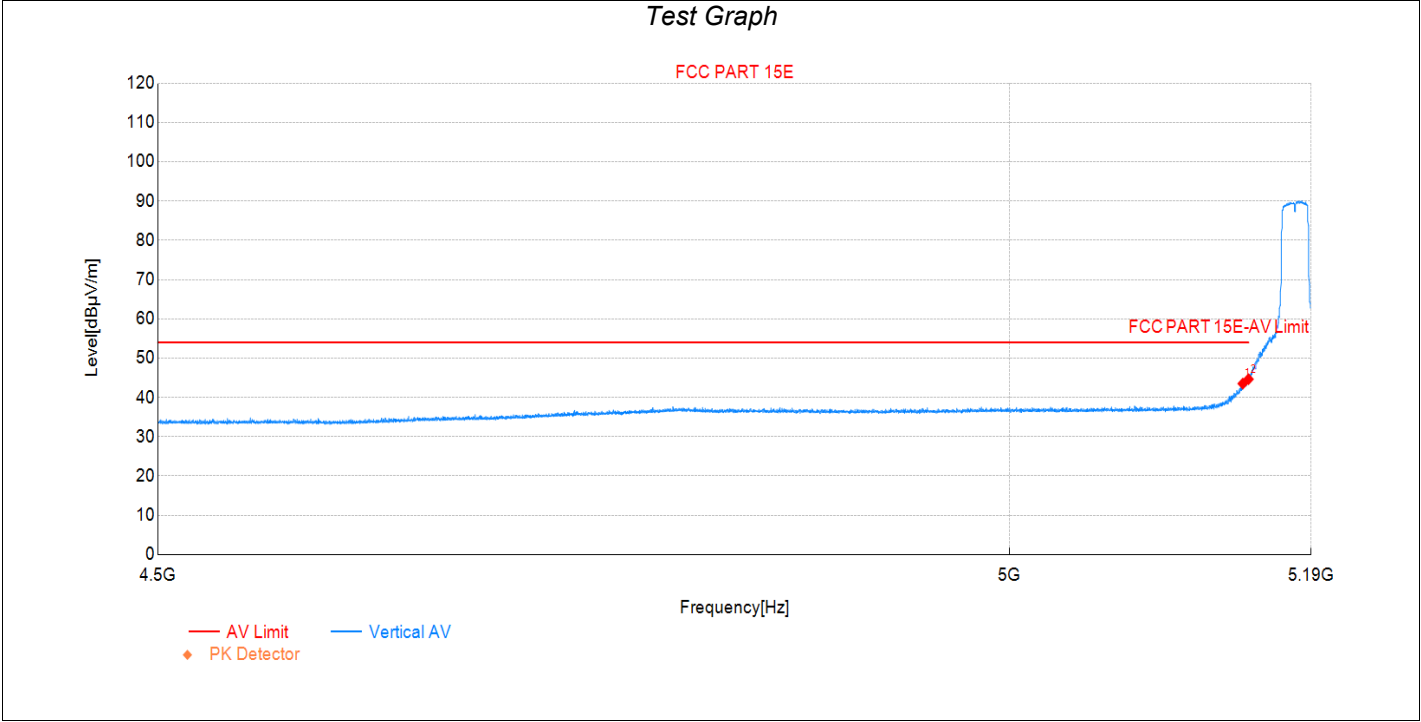
| Data List |                 |                |                |               |                |             |     |        |         |
|-----------|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| NO        | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
| 1         | 5147.05         | 36.00          | 47.00          | 11.000        | 54.00          | 7.00        | AV  | Horizo | PASS    |
| 2         | 5150.00         | 35.86          | 46.86          | 11.000        | 54.00          | 7.14        | AV  | Horizo | PASS    |

Transmit at 5180MHz by 802.11a



| Data List |                 |                |                |               |                |             |     |        |         |
|-----------|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| NO        | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
| 1         | 5146.44         | 43.41          | 54.41          | 11.000        | 74.00          | 19.59       | PK  | Vertic | PASS    |
| 2         | 5150.00         | 40.35          | 51.35          | 11.000        | 74.00          | 22.65       | PK  | Vertic | PASS    |

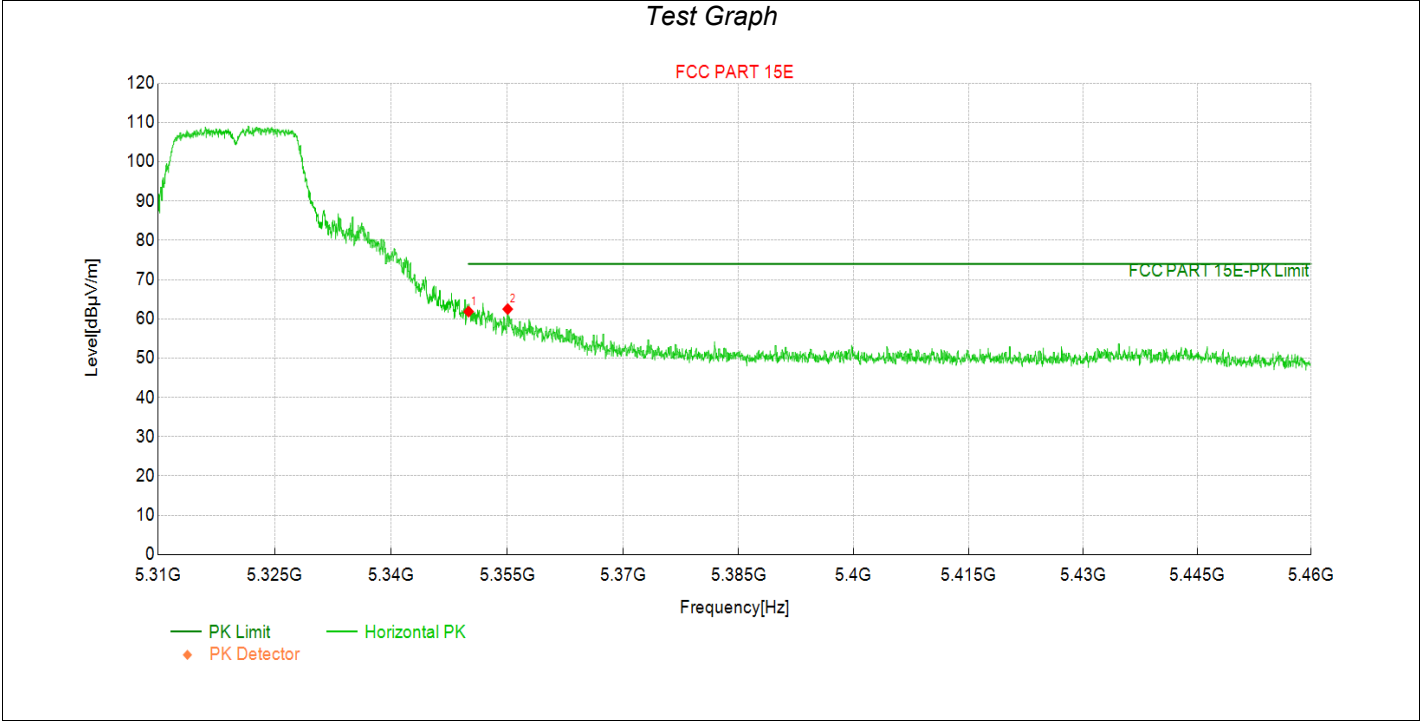
Transmit at 5180MHz by 802.11a



| Data List |                 |                |                |               |                |             |     |        |         |
|-----------|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| NO        | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
| 1         | 5146.36         | 32.52          | 43.52          | 11.000        | 54.00          | 10.48       | AV  | Vertic | PASS    |
| 2         | 5150.00         | 33.65          | 44.65          | 11.000        | 54.00          | 9.35        | AV  | Vertic | PASS    |



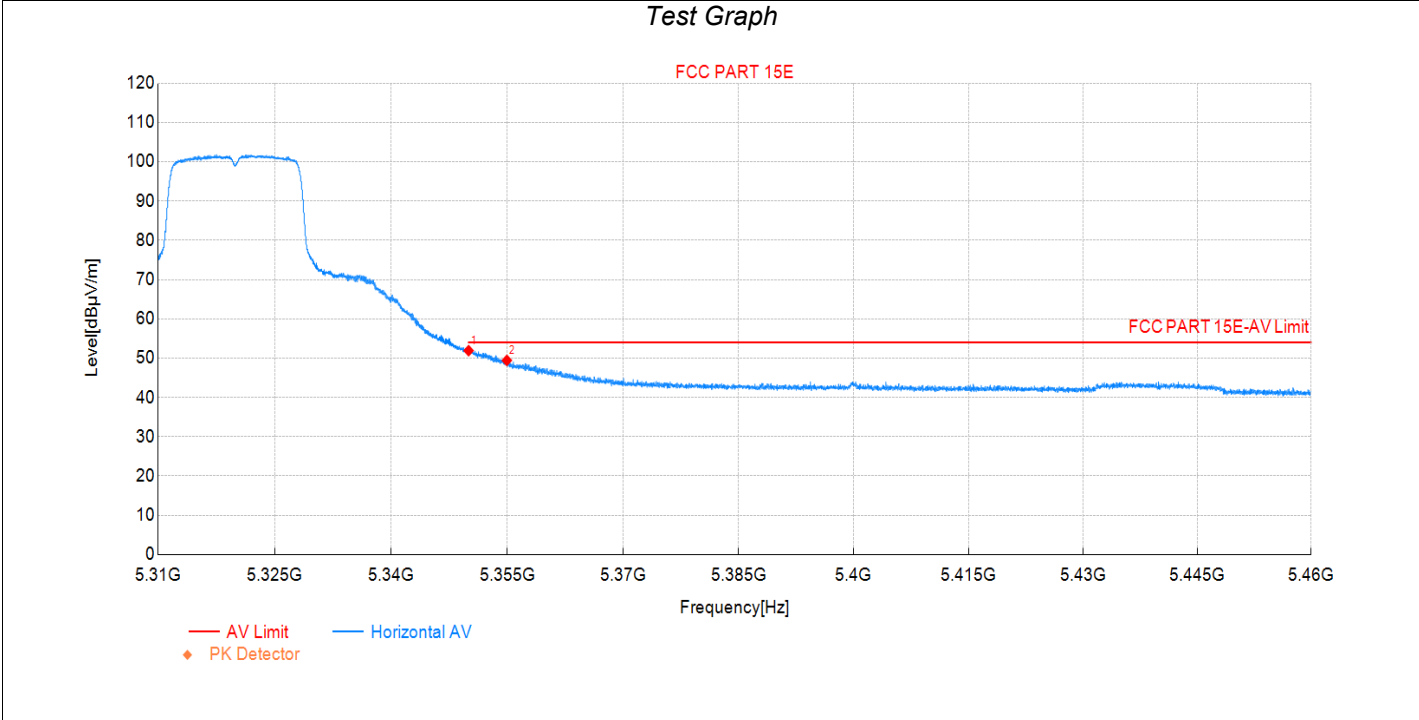
Transmit at 5320MHz by 802.11a



| Data List |                 |                |                |               |                |             |     |        |         |
|-----------|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| NO        | Frequency [MHz] | Reading [dBµV] | Level [dBµV/m] | Factor [dB/m] | Limit [dBµV/m] | Margin [dB] | Det | Pol    | Verdict |
| 1         | 5350.00         | 50.34          | 61.85          | 11.510        | 74.00          | 12.15       | PK  | Horizo | PASS    |
| 2         | 5355.06         | 50.94          | 62.49          | 11.550        | 74.00          | 11.51       | PK  | Horizo | PASS    |

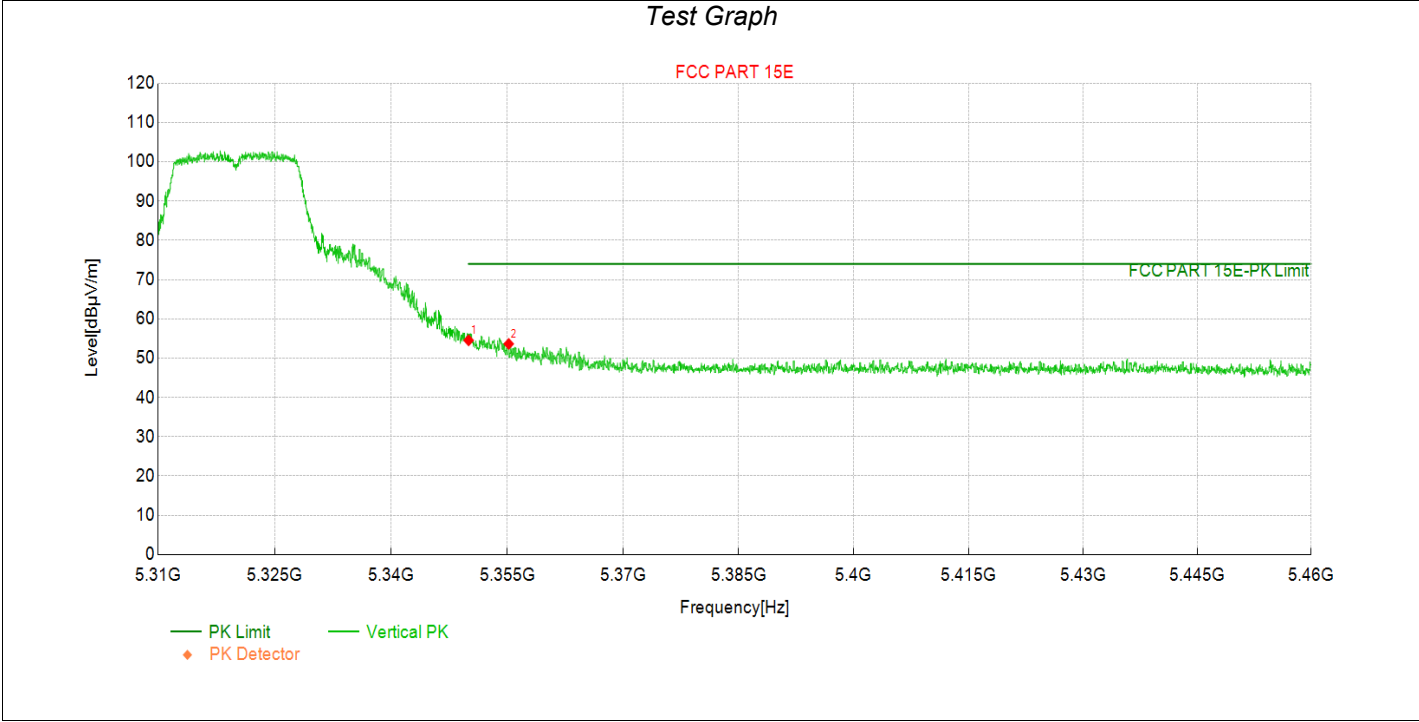


Transmit at 5320MHz by 802.11a



| Data List |                 |                |                |               |                |             |     |        |         |
|-----------|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| NO        | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
| 1         | 5350.00         | 40.40          | 51.91          | 11.510        | 54.00          | 2.09        | AV  | Horizo | PASS    |
| 2         | 5354.94         | 37.89          | 49.43          | 11.540        | 54.00          | 4.57        | AV  | Horizo | PASS    |

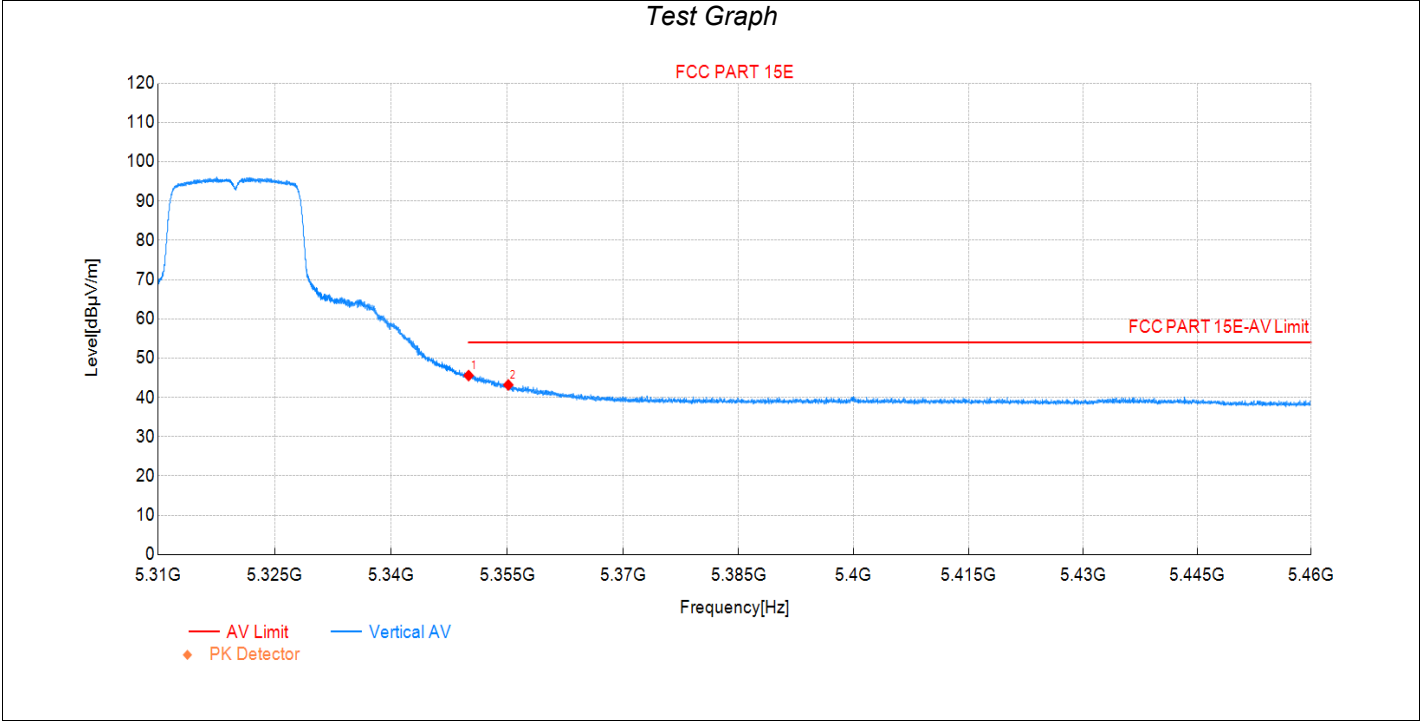
Transmit at 5320MHz by 802.11a



| Data List |                 |                |                |               |                |             |     |        |         |
|-----------|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| NO        | Frequency [MHz] | Reading [dBµV] | Level [dBµV/m] | Factor [dB/m] | Limit [dBµV/m] | Margin [dB] | Det | Pol    | Verdict |
| 1         | 5350.00         | 43.03          | 54.54          | 11.510        | 74.00          | 19.46       | PK  | Vertic | PASS    |
| 2         | 5355.19         | 42.08          | 53.63          | 11.550        | 74.00          | 20.37       | PK  | Vertic | PASS    |



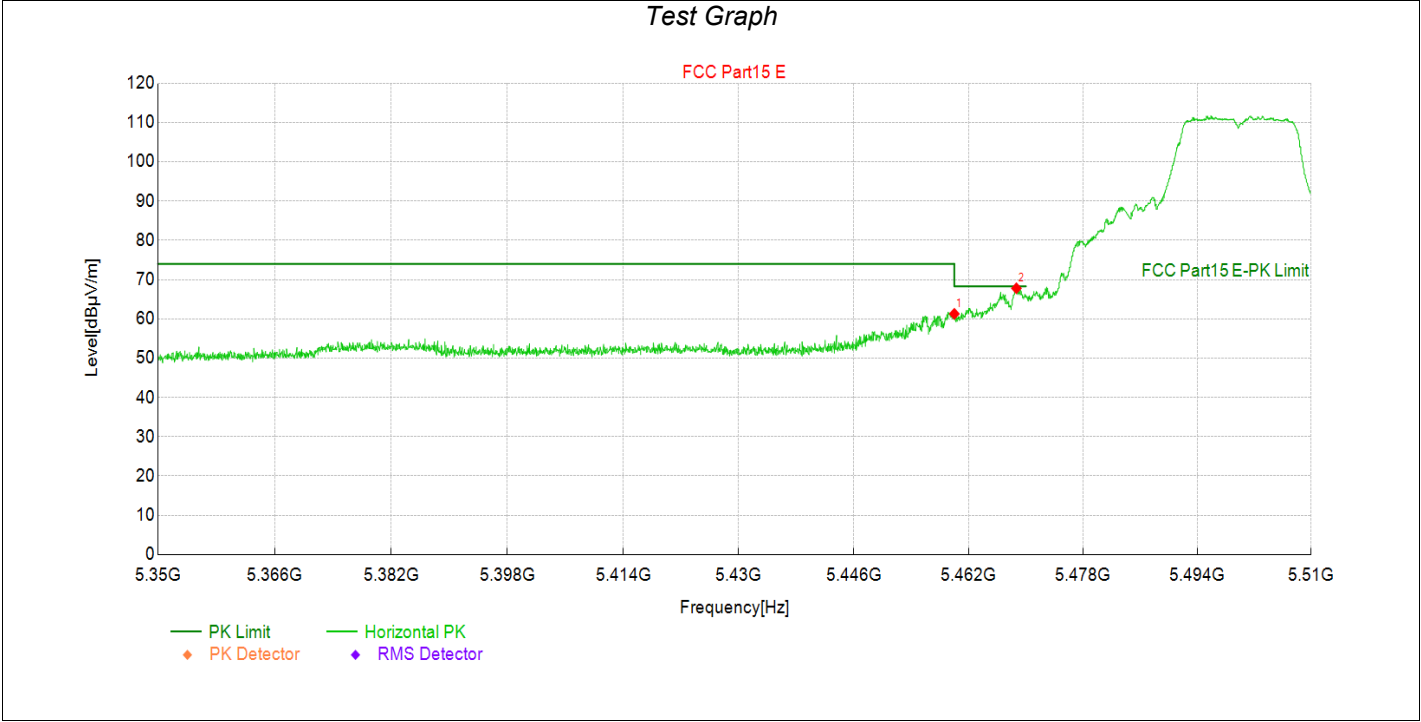
Transmit at 5320MHz by 802.11a



| Data List |                 |                |                |               |                |             |     |        |         |
|-----------|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| NO        | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
| 1         | 5350.00         | 34.06          | 45.57          | 11.510        | 54.00          | 8.43        | AV  | Vertic | PASS    |
| 2         | 5355.13         | 31.64          | 43.19          | 11.550        | 54.00          | 10.81       | AV  | Vertic | PASS    |



Transmit at 5500MHz by 802.11a

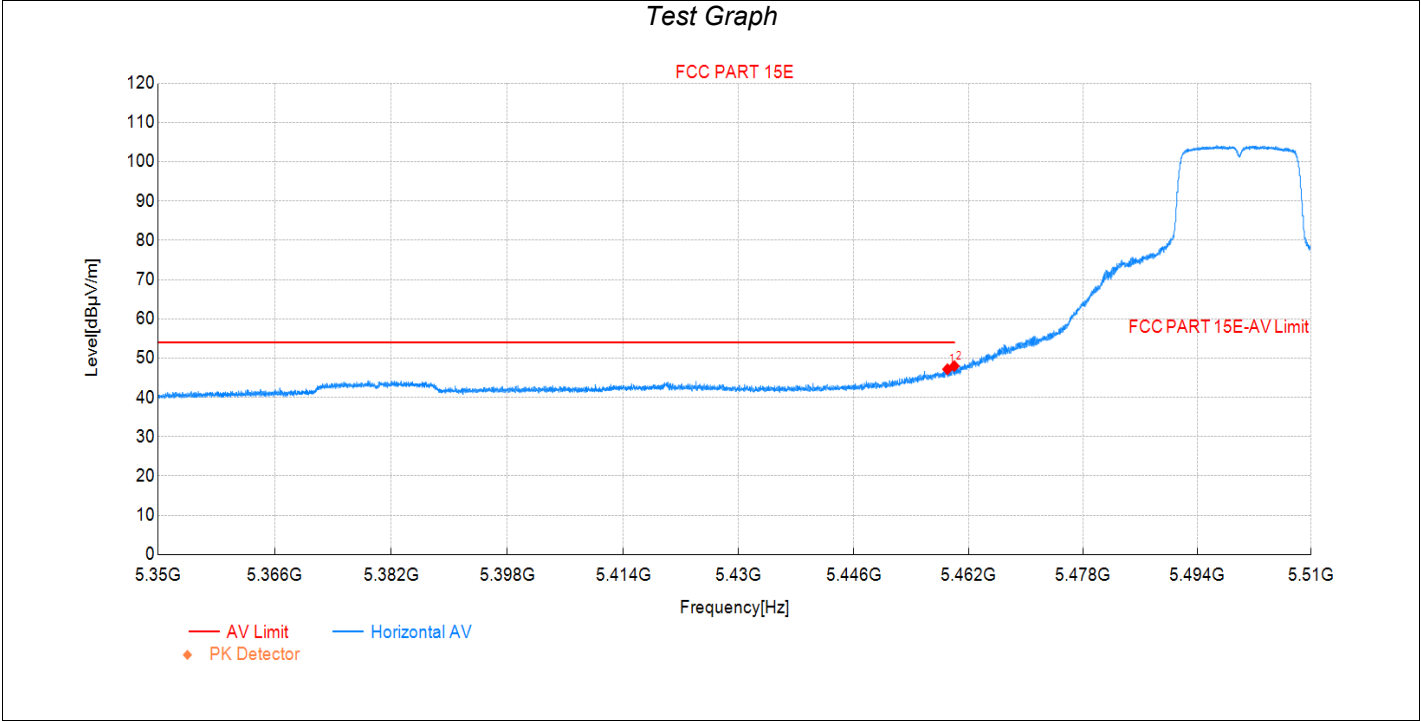


Data List

| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 5460.00         | 49.24          | 61.28          | 12.040        | 68.30          | 7.02        | PK  | Horizo | PASS    |
| 2  | 5468.67         | 55.72          | 67.79          | 12.070        | 68.30          | 0.51        | PK  | Horizo | PASS    |



Transmit at 5500MHz by 802.11a



| Data List |                 |                |                |               |                |             |     |        |         |
|-----------|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| NO        | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
| 1         | 5459.04         | 35.14          | 47.18          | 12.040        | 54.00          | 6.82        | AV  | Horizo | PASS    |
| 2         | 5460.00         | 35.96          | 48.00          | 12.040        | 54.00          | 6.00        | AV  | Horizo | PASS    |