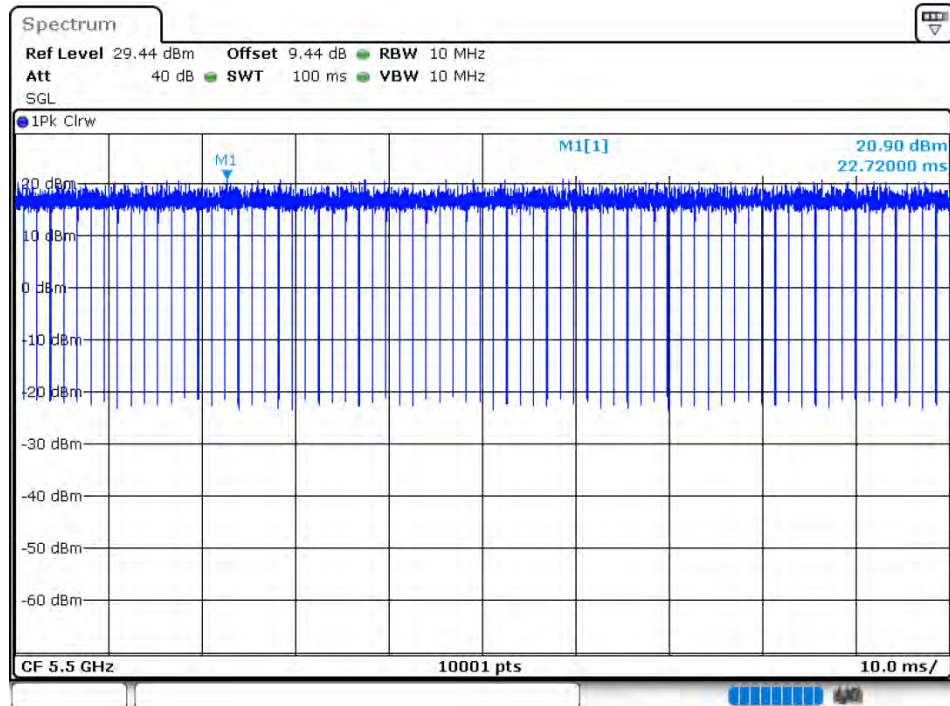
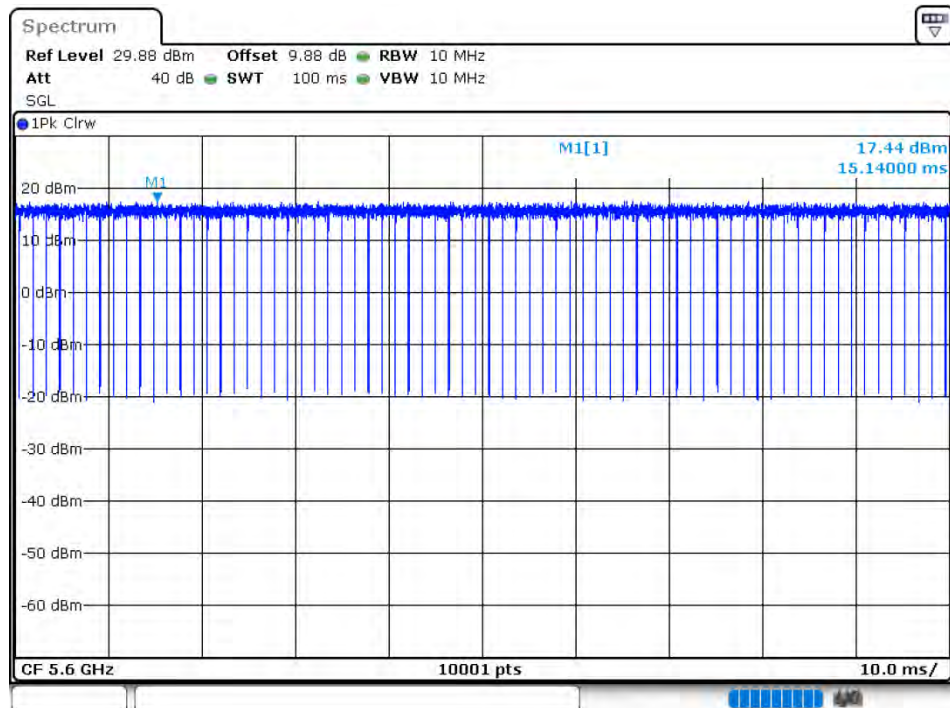


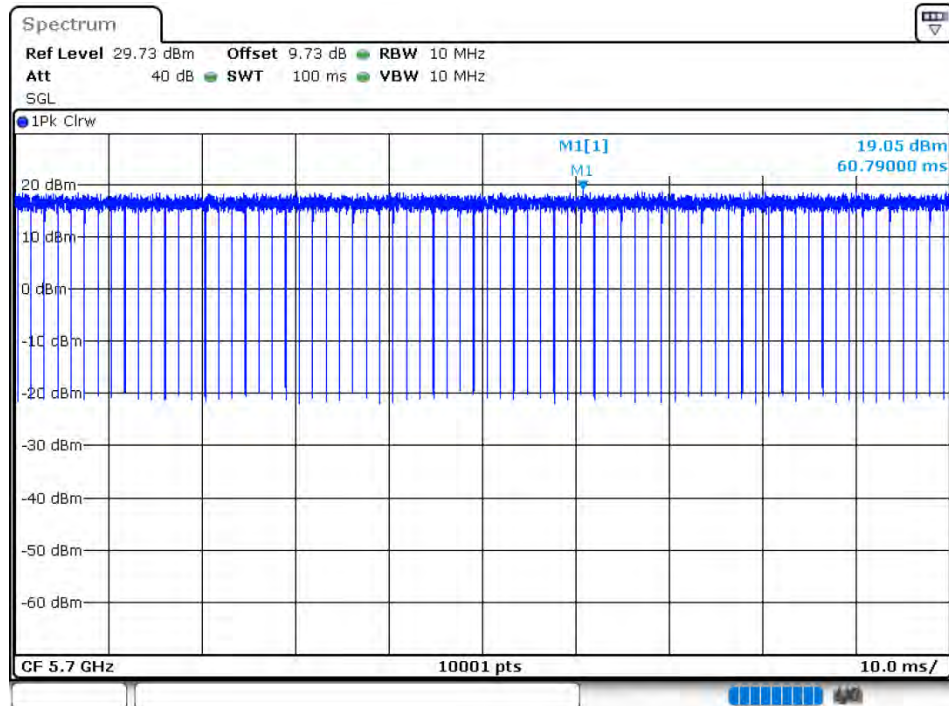
### Duty Cycle NVNT 802.11a 5500MHz



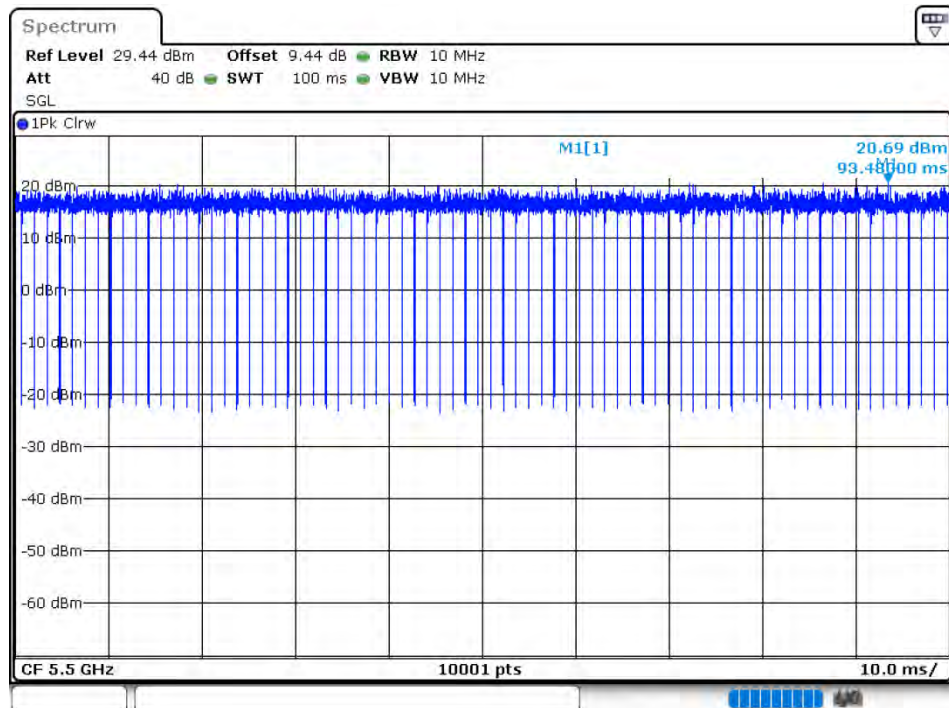
### Duty Cycle NVNT 802.11a 5600MHz



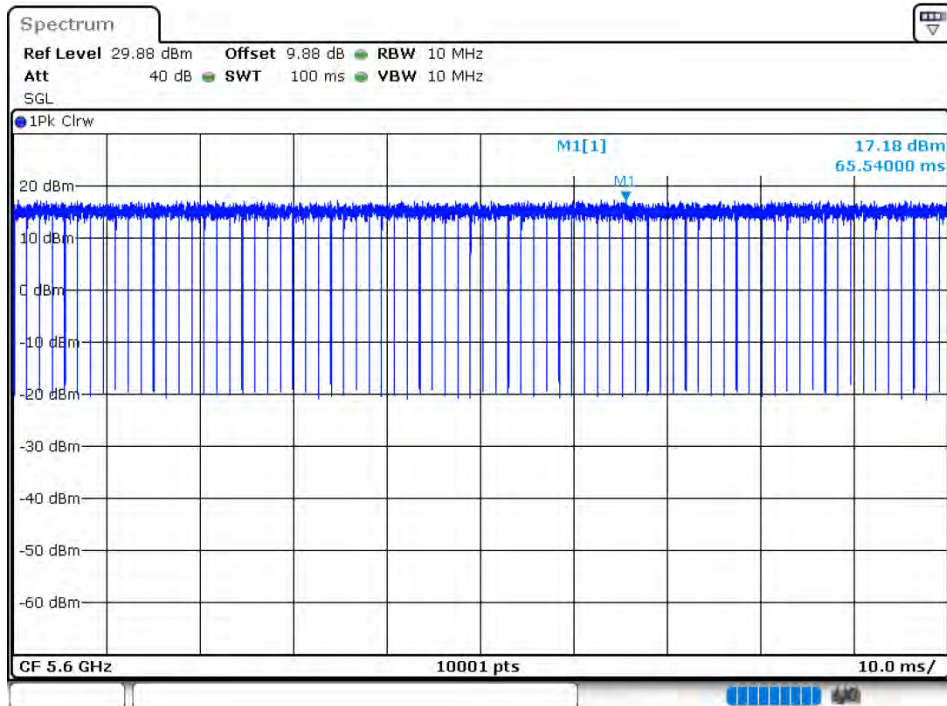
### Duty Cycle NVNT 802.11a 5700MHz



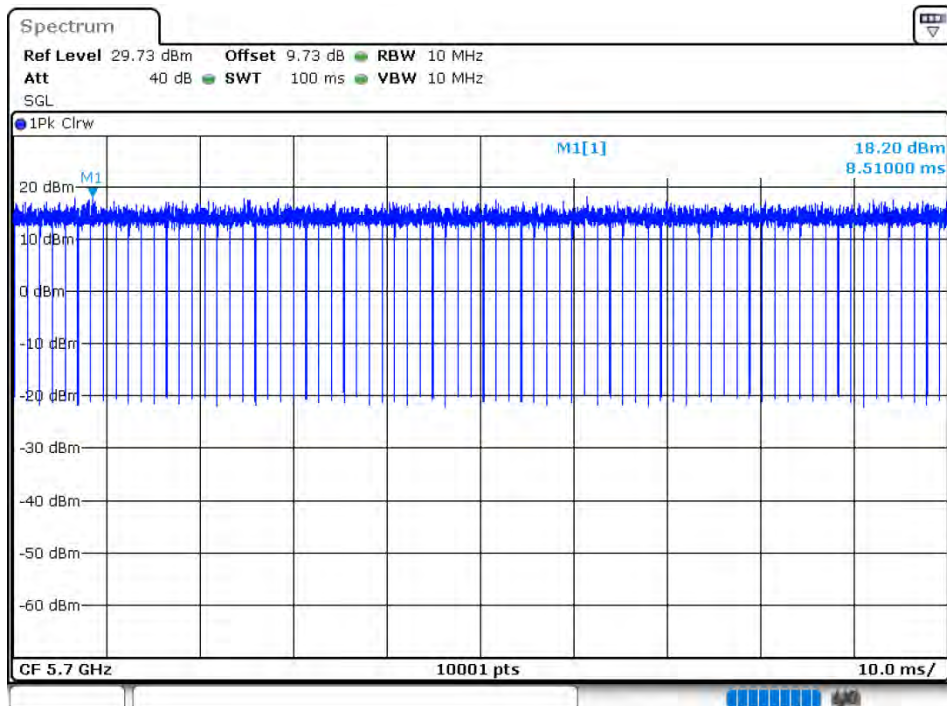
### Duty Cycle NVNT 802.11ac20 5500MHz



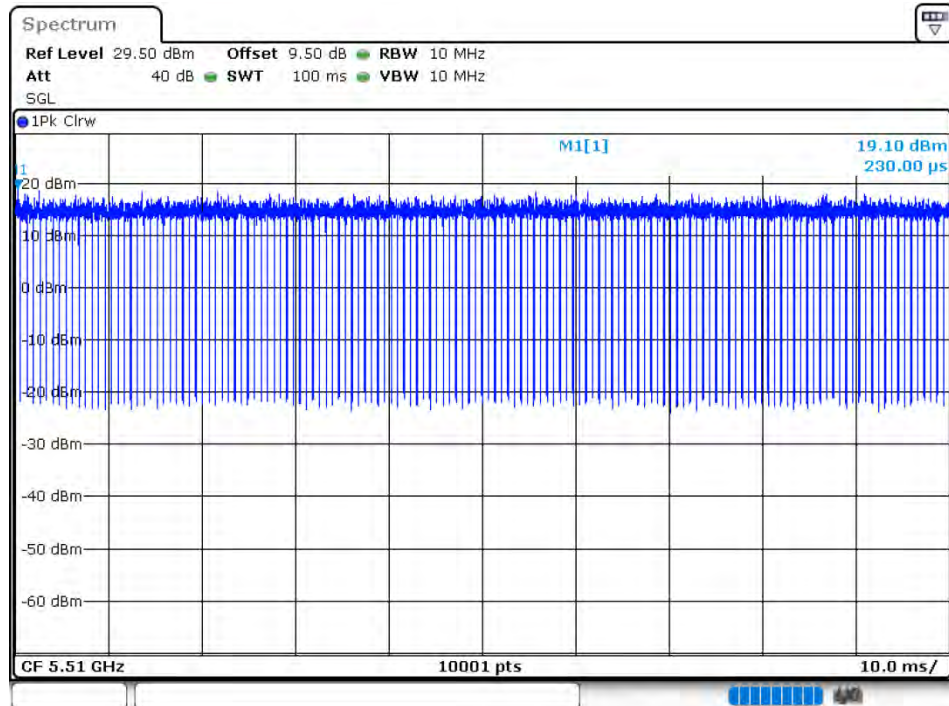
### Duty Cycle NVNT 802.11ac20 5600MHz



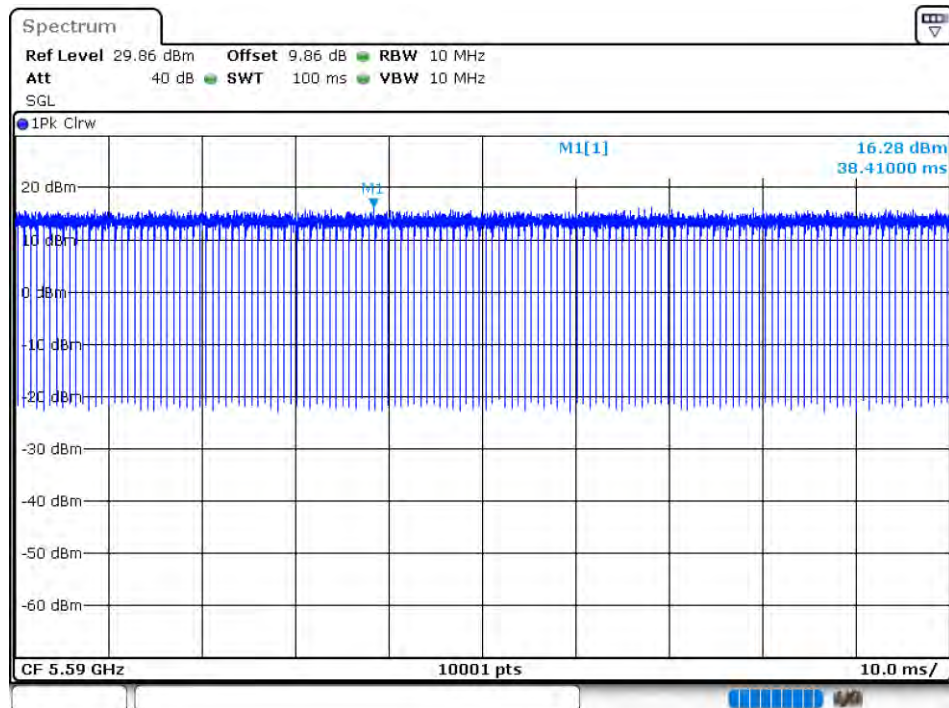
### Duty Cycle NVNT 802.11ac20 5700MHz



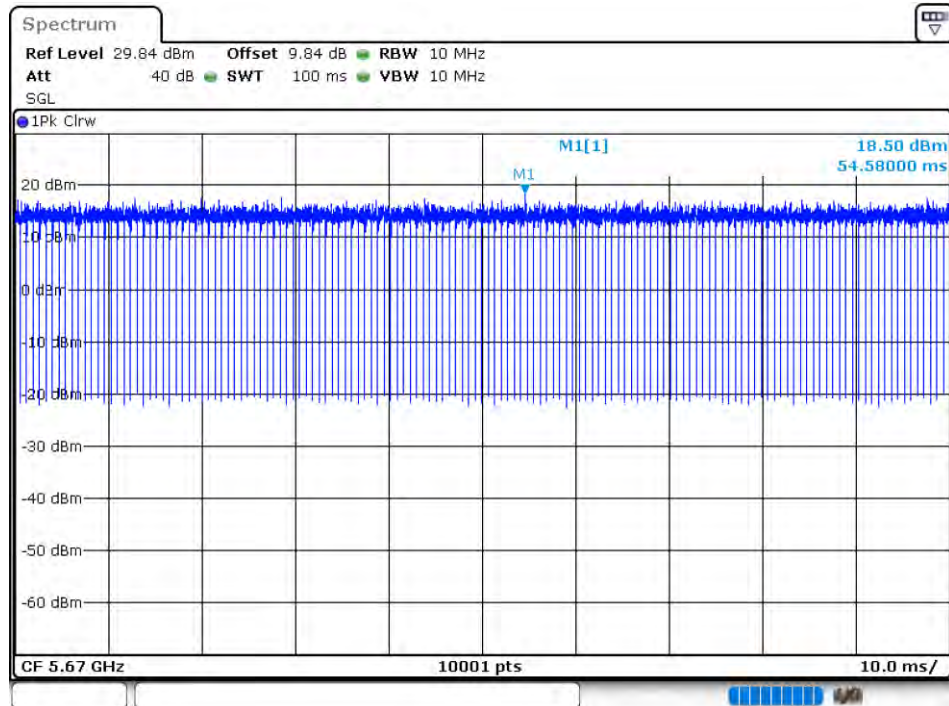
### Duty Cycle NVNT 802.11ac40 5510MHz



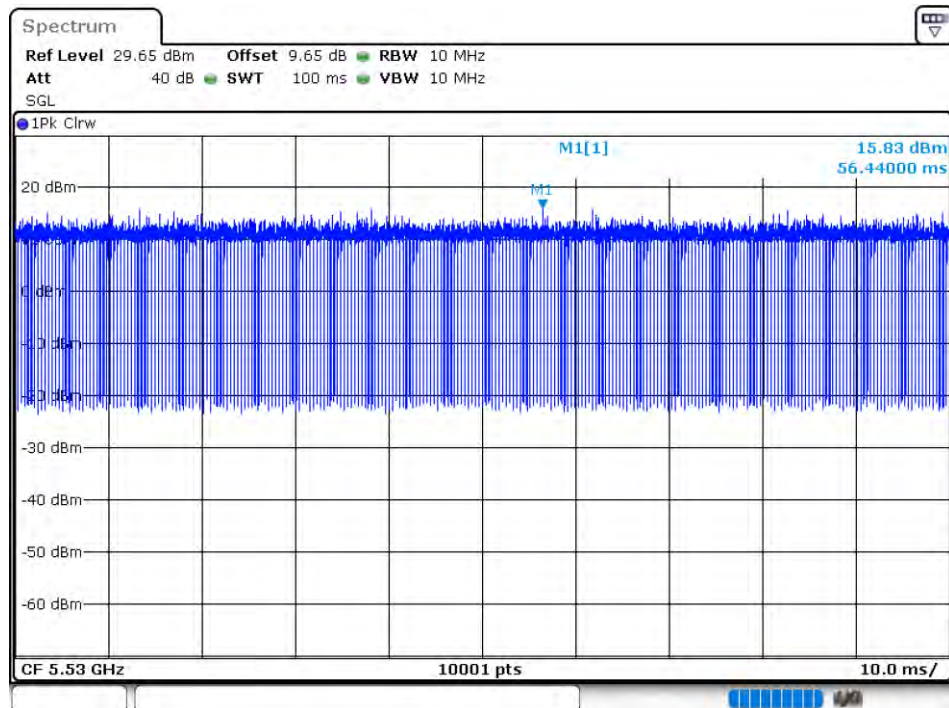
### Duty Cycle NVNT 802.11ac40 5590MHz



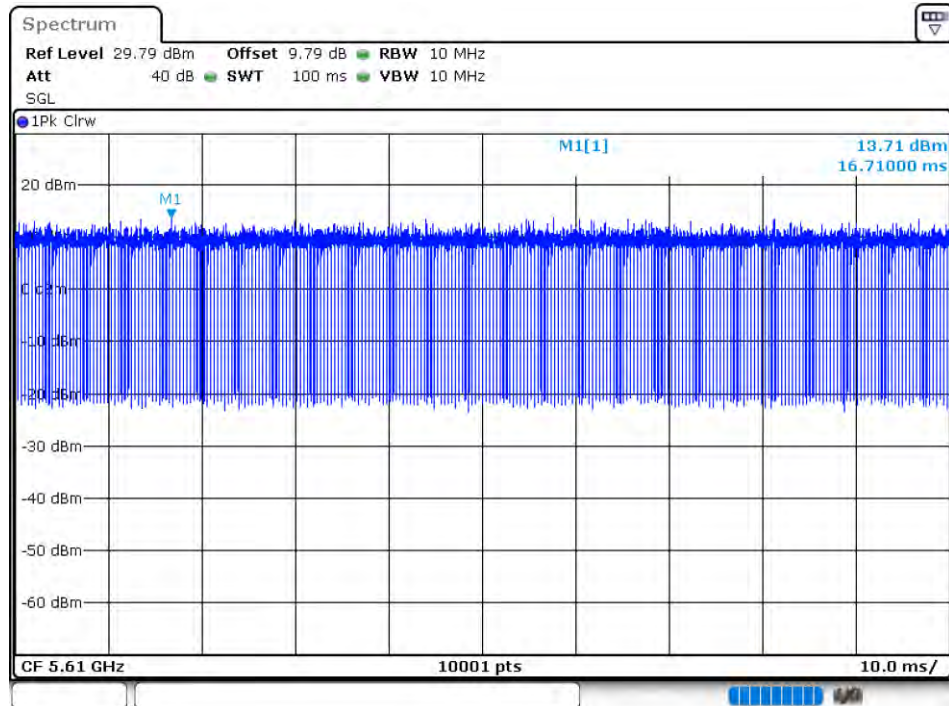
### Duty Cycle NVNT 802.11ac40 5670MHz



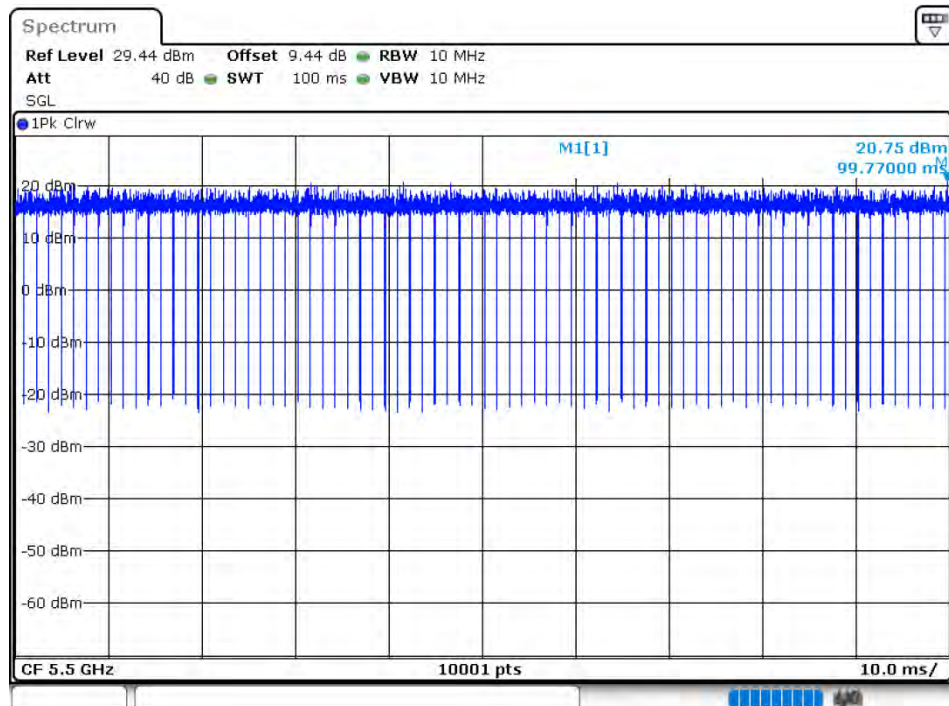
### Duty Cycle NVNT 802.11ac80 5530MHz



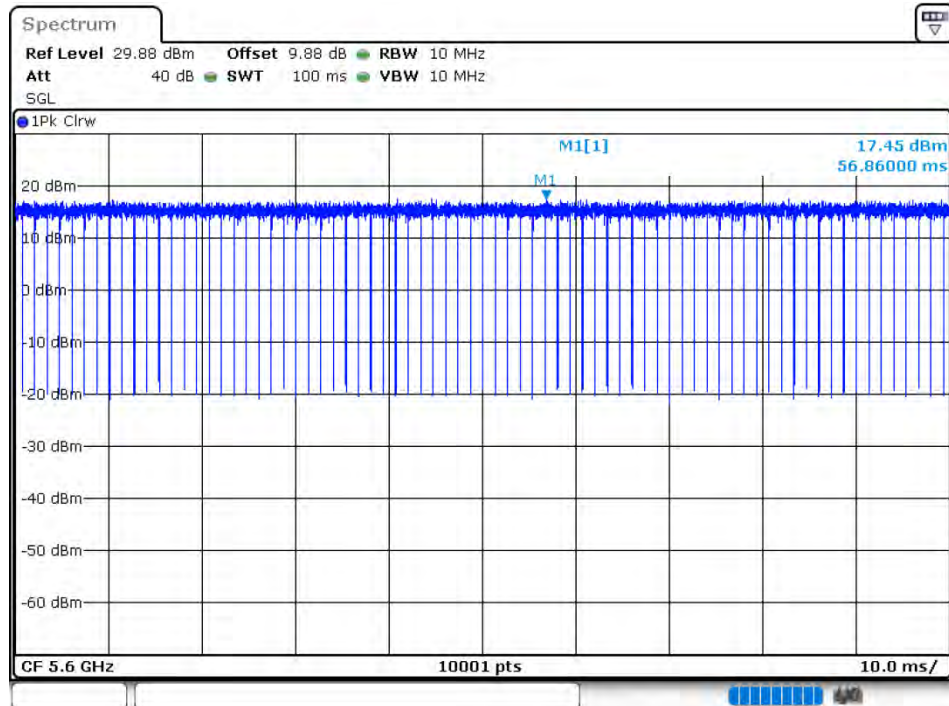
### Duty Cycle NVNT 802.11ac80 5610MHz



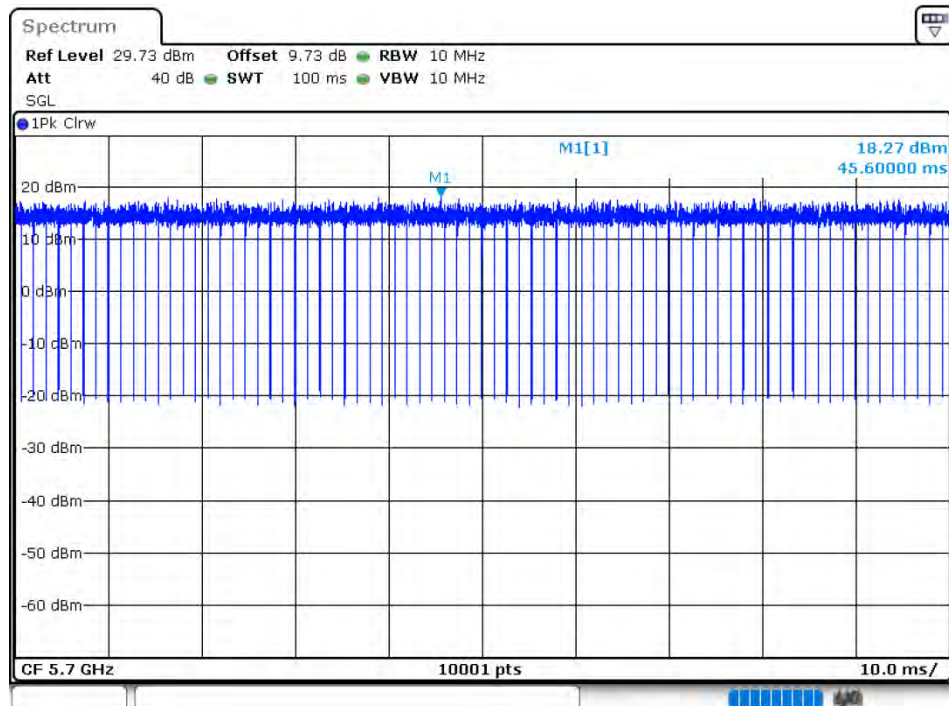
### Duty Cycle NVNT 802.11n(HT20) 5500MHz



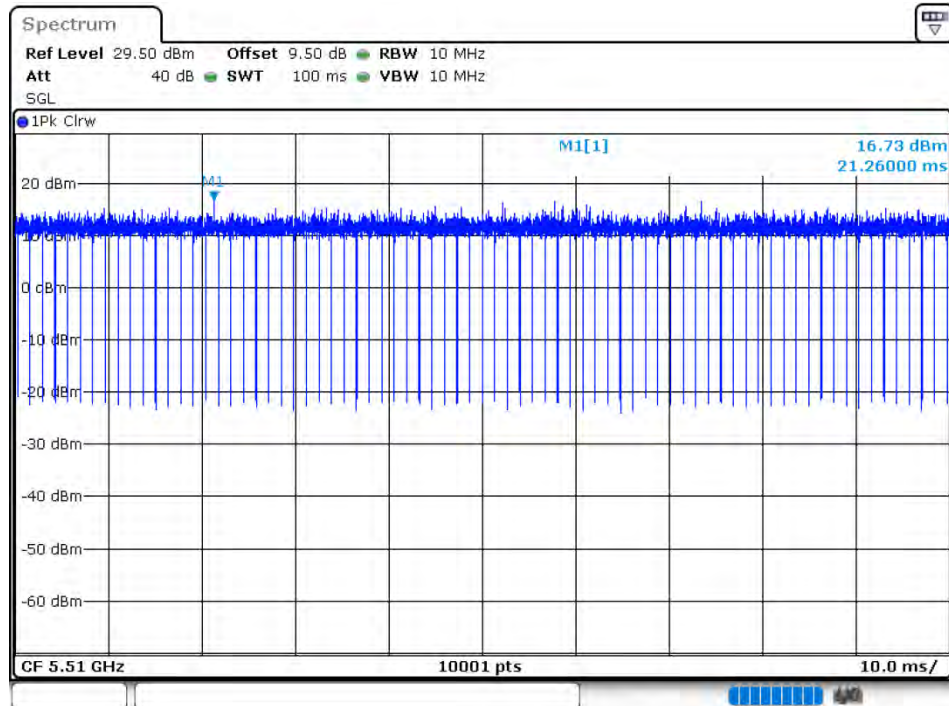
### Duty Cycle NVNT 802.11n(HT20) 5600MHz



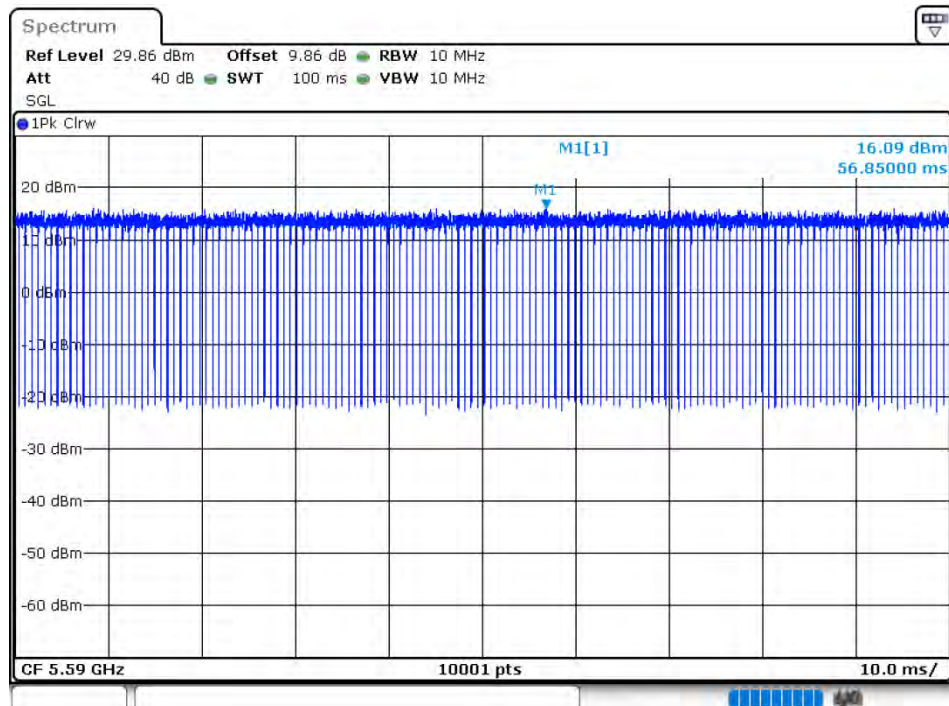
### Duty Cycle NVNT 802.11n(HT20) 5700MHz



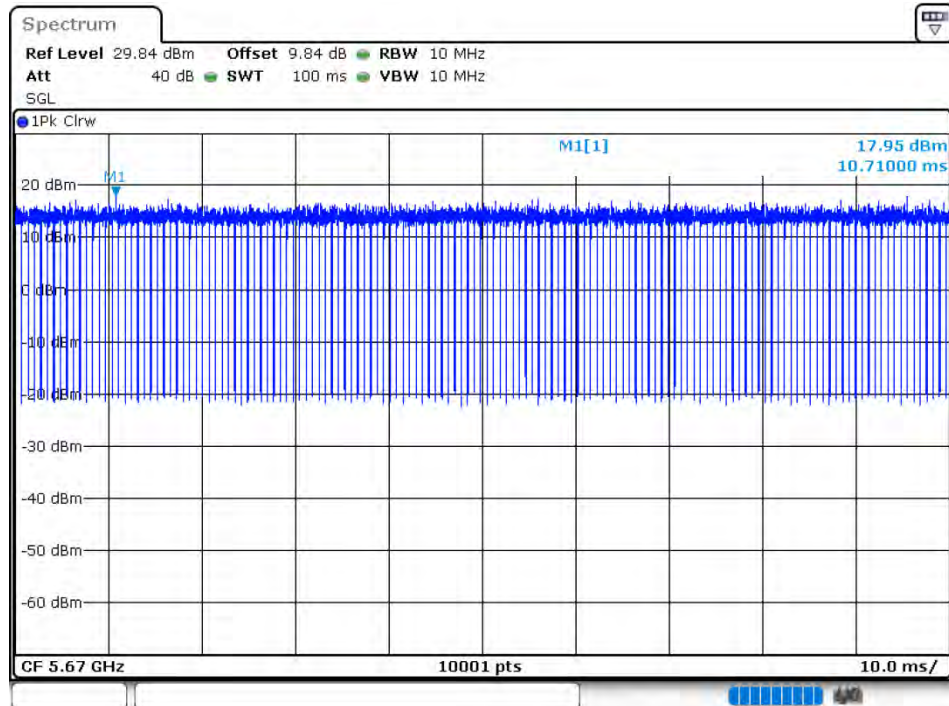
### Duty Cycle NVNT 802.11n(HT40) 5510MHz



### Duty Cycle NVNT 802.11n(HT40) 5590MHz



Duty Cycle NVNT 802.11n(HT40) 5670MHz



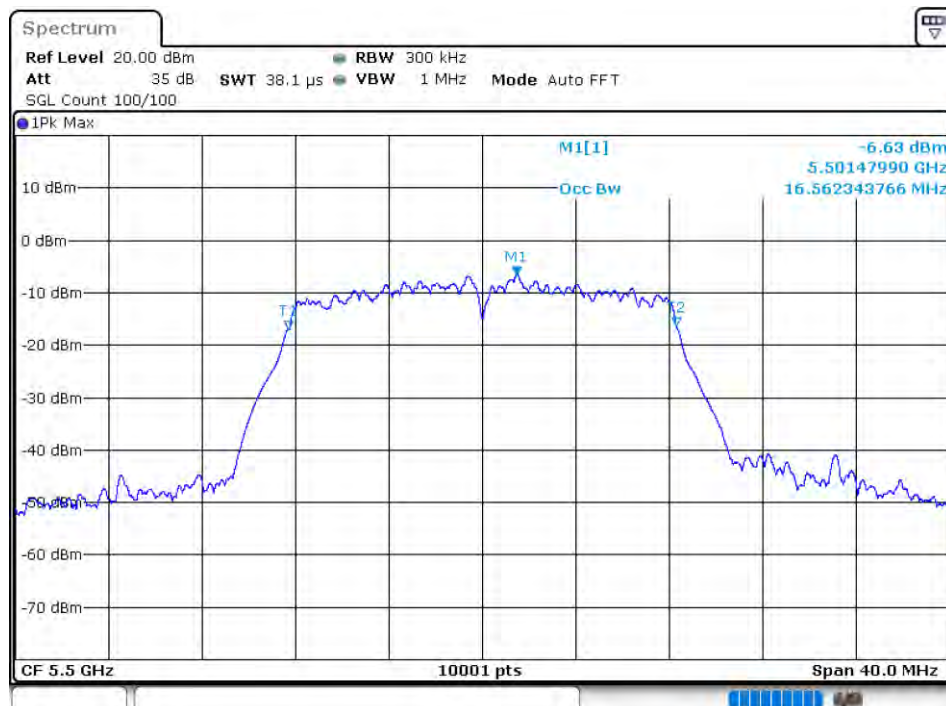
## Maximum Conducted Output Power

| Condition | Mode          | Frequency<br>(MHz) | Antenna | Conducted Power<br>(dBm) | Duty Factor<br>(dB) | Total Power<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|---------------|--------------------|---------|--------------------------|---------------------|----------------------|----------------|---------|
| NVNT      | 802.11a       | 5500               | Ant 1   | 10.36                    | 0.11                | 10.47                | 24             | Pass    |
| NVNT      | 802.11a       | 5600               | Ant 1   | 9.54                     | 0.11                | 9.65                 | 24             | Pass    |
| NVNT      | 802.11a       | 5700               | Ant 1   | 10                       | 0.11                | 10.11                | 24             | Pass    |
| NVNT      | 802.11ac20    | 5500               | Ant 1   | 10.04                    | 0.11                | 10.15                | 24             | Pass    |
| NVNT      | 802.11ac20    | 5600               | Ant 1   | 9.24                     | 0.11                | 9.35                 | 24             | Pass    |
| NVNT      | 802.11ac20    | 5700               | Ant 1   | 7.81                     | 0.11                | 7.92                 | 24             | Pass    |
| NVNT      | 802.11ac40    | 5510               | Ant 1   | 10.5                     | 0.22                | 10.72                | 24             | Pass    |
| NVNT      | 802.11ac40    | 5590               | Ant 1   | 9.92                     | 0.22                | 10.14                | 24             | Pass    |
| NVNT      | 802.11ac40    | 5670               | Ant 1   | 10.17                    | 0.22                | 10.39                | 24             | Pass    |
| NVNT      | 802.11ac80    | 5530               | Ant 1   | 9.49                     | 0.42                | 9.91                 | 24             | Pass    |
| NVNT      | 802.11ac80    | 5610               | Ant 1   | 9.67                     | 0.42                | 10.09                | 24             | Pass    |
| NVNT      | 802.11n(HT20) | 5500               | Ant 1   | 10.09                    | 0.11                | 10.2                 | 24             | Pass    |
| NVNT      | 802.11n(HT20) | 5600               | Ant 1   | 9.18                     | 0.11                | 9.29                 | 24             | Pass    |
| NVNT      | 802.11n(HT20) | 5700               | Ant 1   | 7.8                      | 0.11                | 7.91                 | 24             | Pass    |
| NVNT      | 802.11n(HT40) | 5510               | Ant 1   | 10.11                    | 0.11                | 10.22                | 24             | Pass    |
| NVNT      | 802.11n(HT40) | 5590               | Ant 1   | 9.97                     | 0.22                | 10.19                | 24             | Pass    |
| NVNT      | 802.11n(HT40) | 5670               | Ant 1   | 10.21                    | 0.22                | 10.43                | 24             | Pass    |

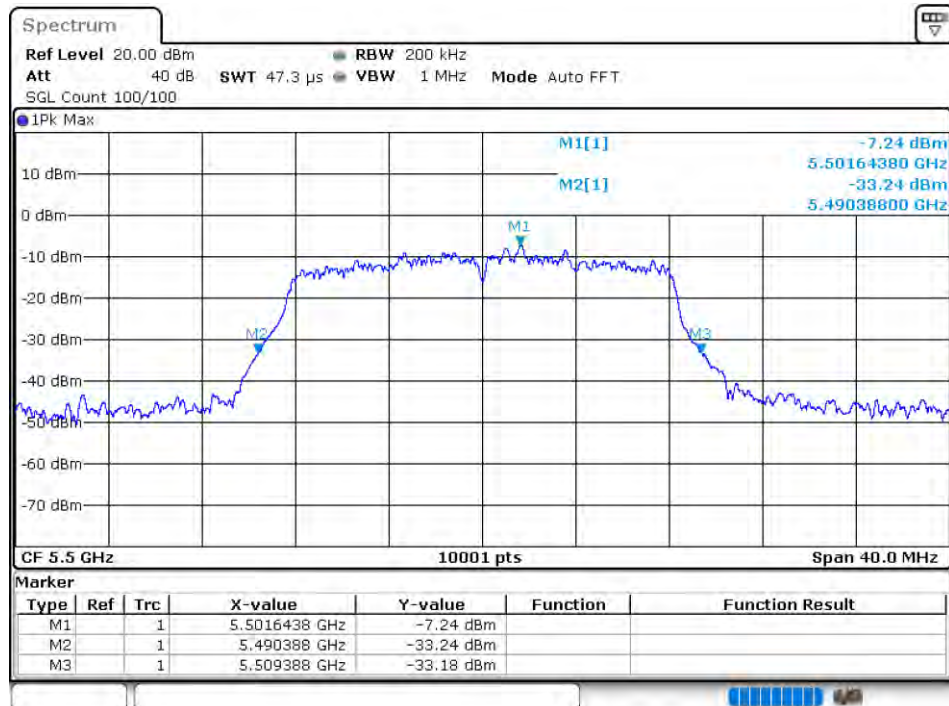
### Occupied Channel Bandwidth

| Condition | Mode          | Frequency (MHz) | Antenna | 99% OBW (MHz) | -26 dB Bandwidth (MHz) | Verdict |
|-----------|---------------|-----------------|---------|---------------|------------------------|---------|
| NVNT      | 802.11a       | 5500            | Ant 1   | 16.5623       | 19                     | Pass    |
| NVNT      | 802.11a       | 5600            | Ant 1   | 16.7103       | 19.804                 | Pass    |
| NVNT      | 802.11a       | 5700            | Ant 1   | 16.6223       | 19.516                 | Pass    |
| NVNT      | 802.11ac20    | 5500            | Ant 1   | 17.7182       | 20.184                 | Pass    |
| NVNT      | 802.11ac20    | 5600            | Ant 1   | 17.8462       | 20.292                 | Pass    |
| NVNT      | 802.11ac20    | 5700            | Ant 1   | 17.7142       | 20.008                 | Pass    |
| NVNT      | 802.11ac40    | 5510            | Ant 1   | 35.9724       | 41.008                 | Pass    |
| NVNT      | 802.11ac40    | 5590            | Ant 1   | 36.7803       | 77.44                  | Pass    |
| NVNT      | 802.11ac40    | 5670            | Ant 1   | 36.2044       | 42.776                 | Pass    |
| NVNT      | 802.11ac80    | 5530            | Ant 1   | 74.0726       | 80.368                 | Pass    |
| NVNT      | 802.11ac80    | 5610            | Ant 1   | 75.4325       | 88.016                 | Pass    |
| NVNT      | 802.11n(HT20) | 5500            | Ant 1   | 17.6622       | 19.944                 | Pass    |
| NVNT      | 802.11n(HT20) | 5600            | Ant 1   | 17.6462       | 22.868                 | Pass    |
| NVNT      | 802.11n(HT20) | 5700            | Ant 1   | 17.6702       | 19.968                 | Pass    |
| NVNT      | 802.11n(HT40) | 5510            | Ant 1   | 36.0364       | 40.584                 | Pass    |
| NVNT      | 802.11n(HT40) | 5590            | Ant 1   | 36.3564       | 70.592                 | Pass    |
| NVNT      | 802.11n(HT40) | 5670            | Ant 1   | 36.3804       | 56.104                 | Pass    |

OBW NVNT 802.11a 5500MHz Ant1



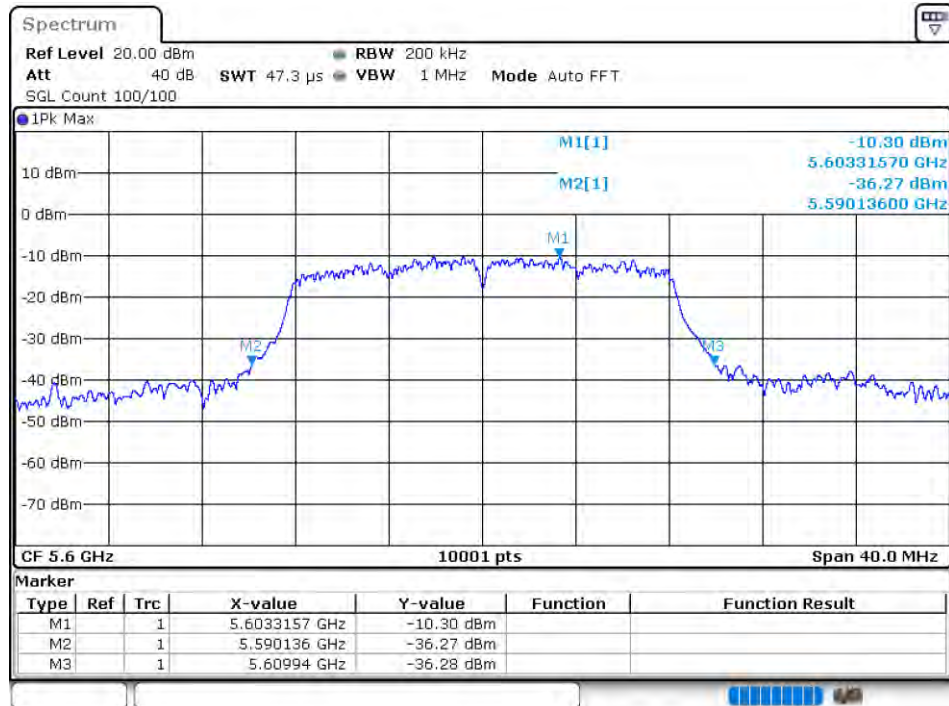
-26 dB BW NVNT 802.11a 5500MHz Ant1



OBW NVNT 802.11a 5600MHz Ant1



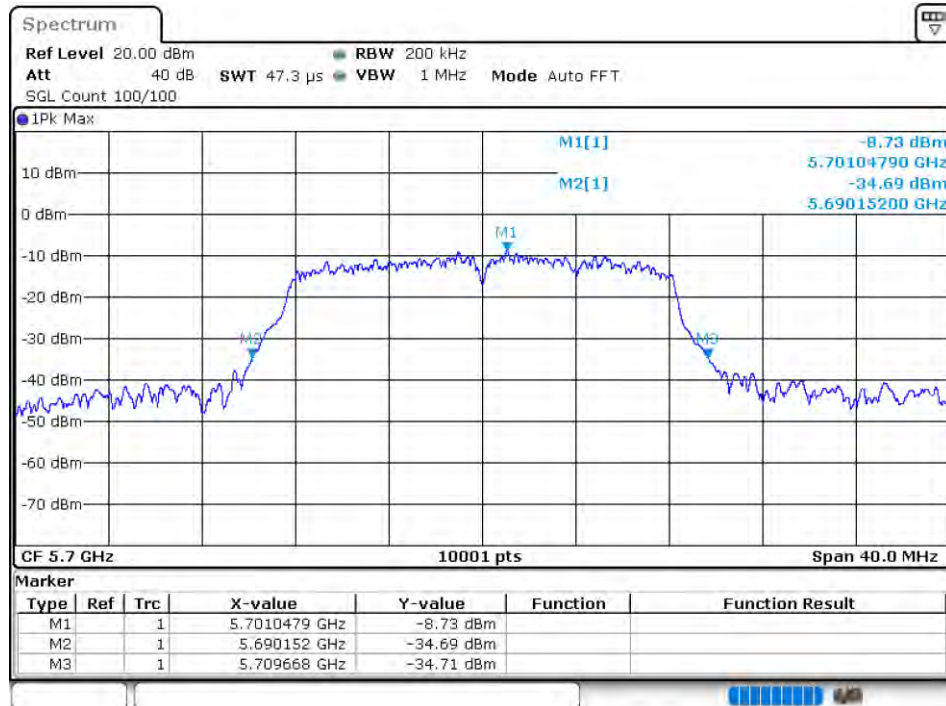
-26 dB BW NVNT 802.11a 5600MHz Ant1



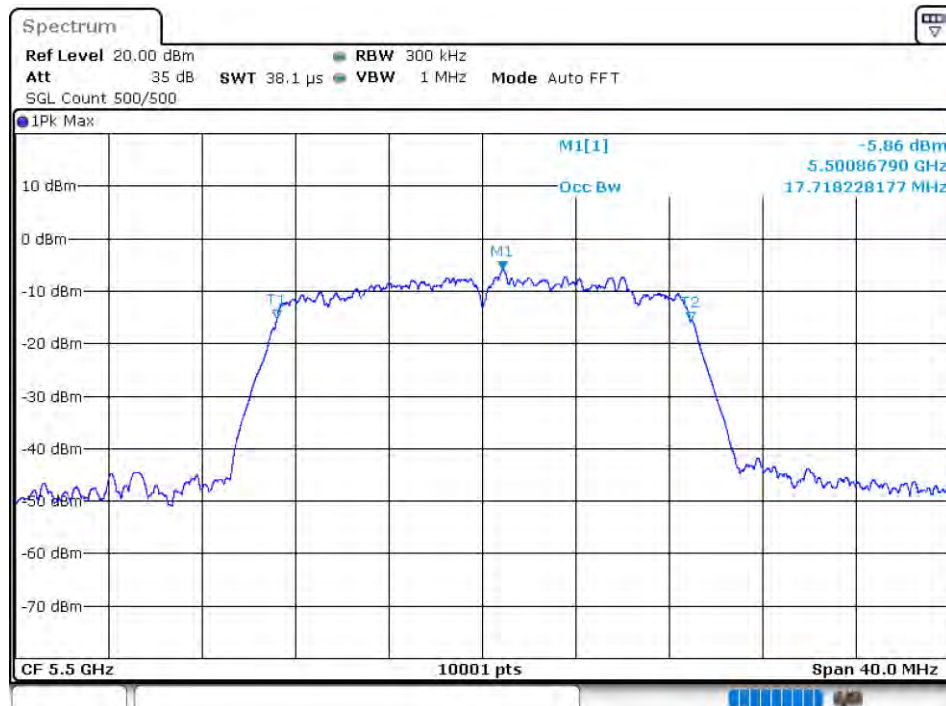
OBW NVNT 802.11a 5700MHz Ant1



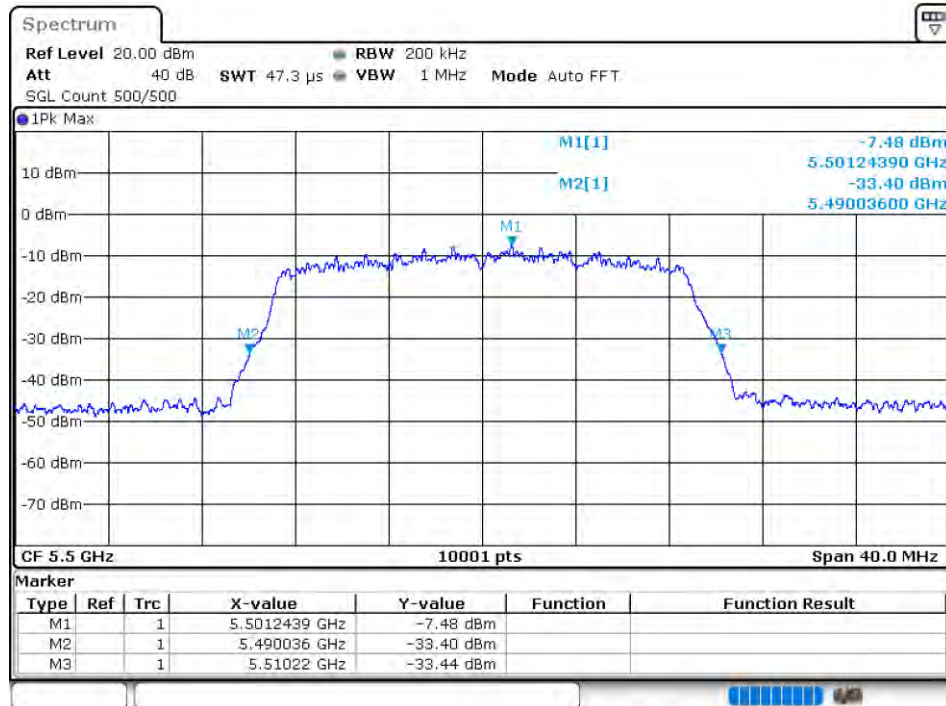
-26 dB BW NVNT 802.11a 5700MHz Ant1



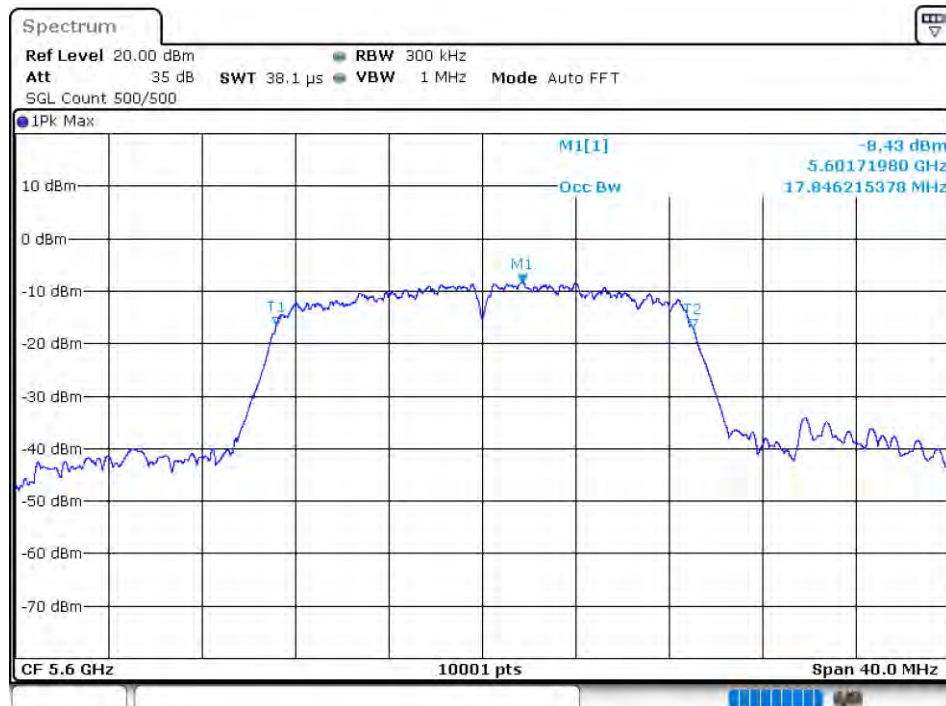
OBW NVNT 802.11ac20 5500MHz Ant1



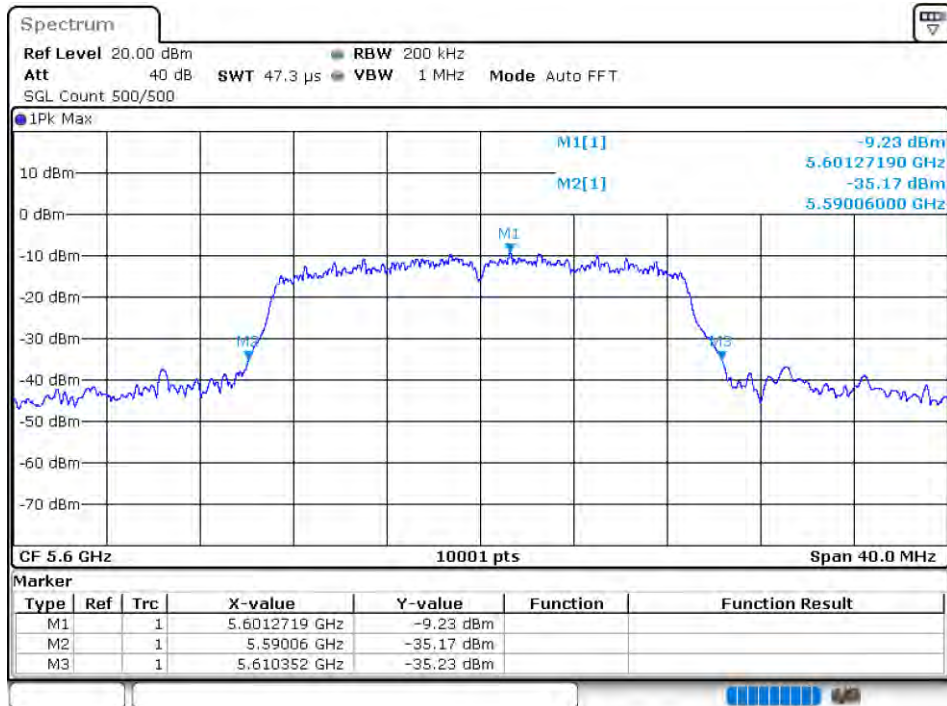
-26 dB BW NVNT 802.11ac20 5500MHz Ant1



OBW NVNT 802.11ac20 5600MHz Ant1



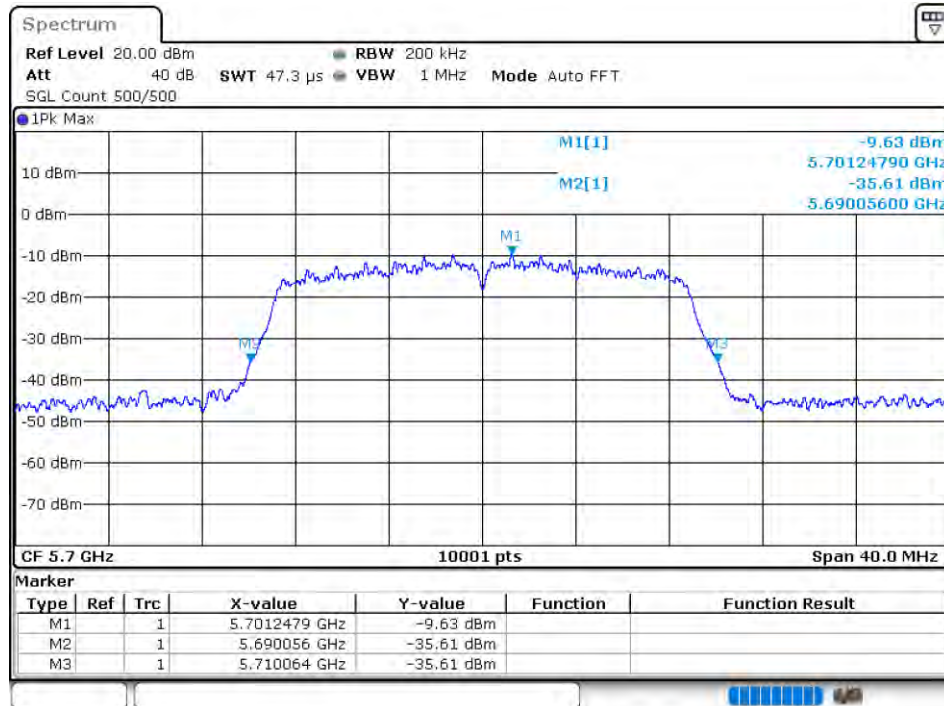
-26 dB BW NVNT 802.11ac20 5600MHz Ant1



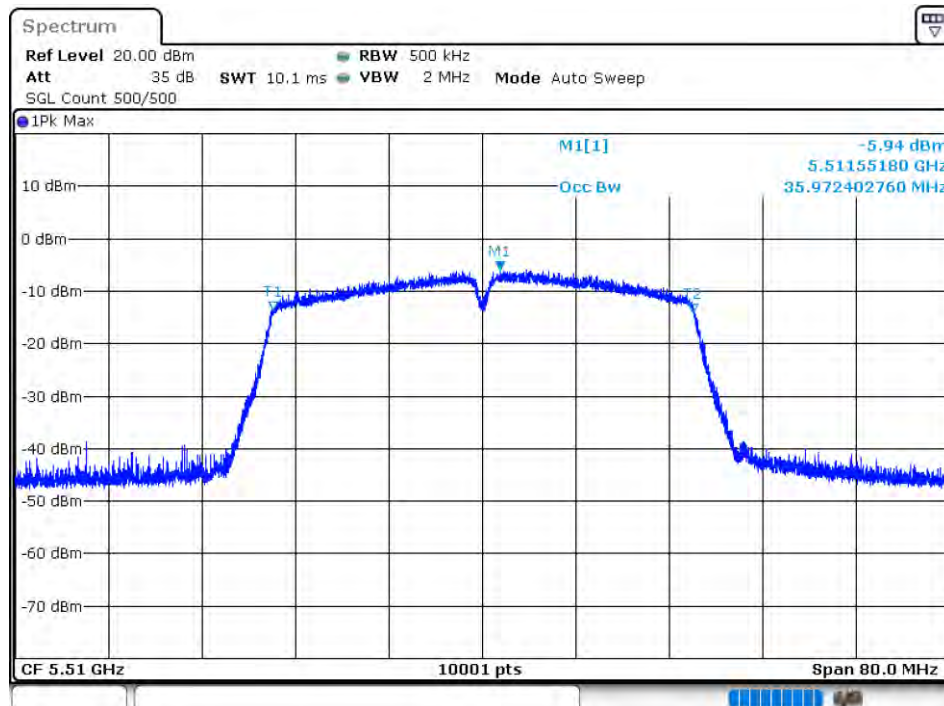
OBW NVNT 802.11ac20 5700MHz Ant1



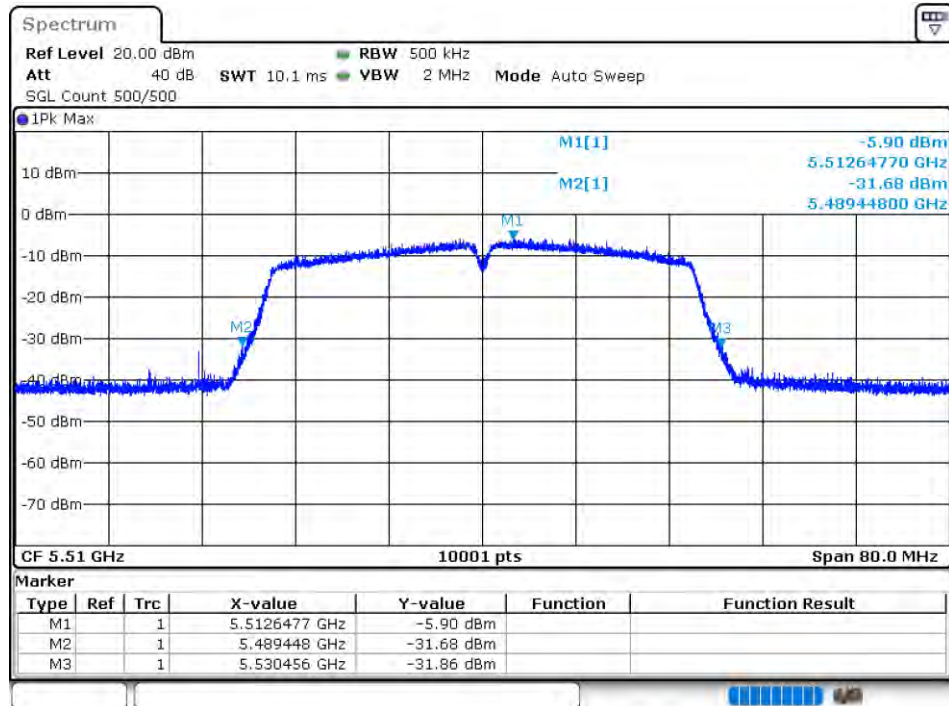
-26 dB BW NVNT 802.11ac20 5700MHz Ant1



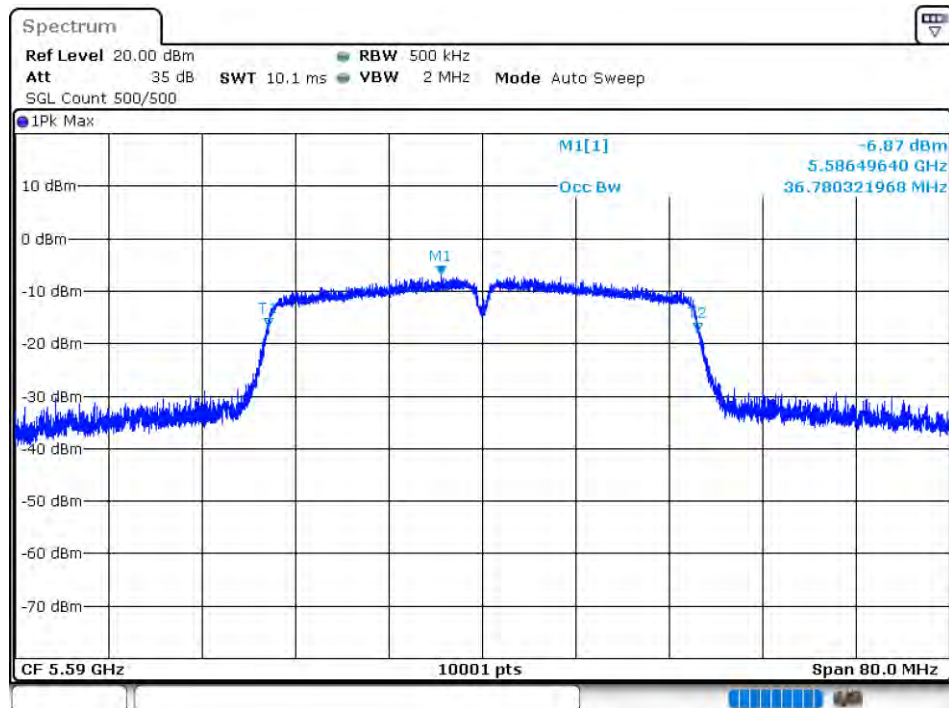
OBW NVNT 802.11ac40 5510MHz Ant1



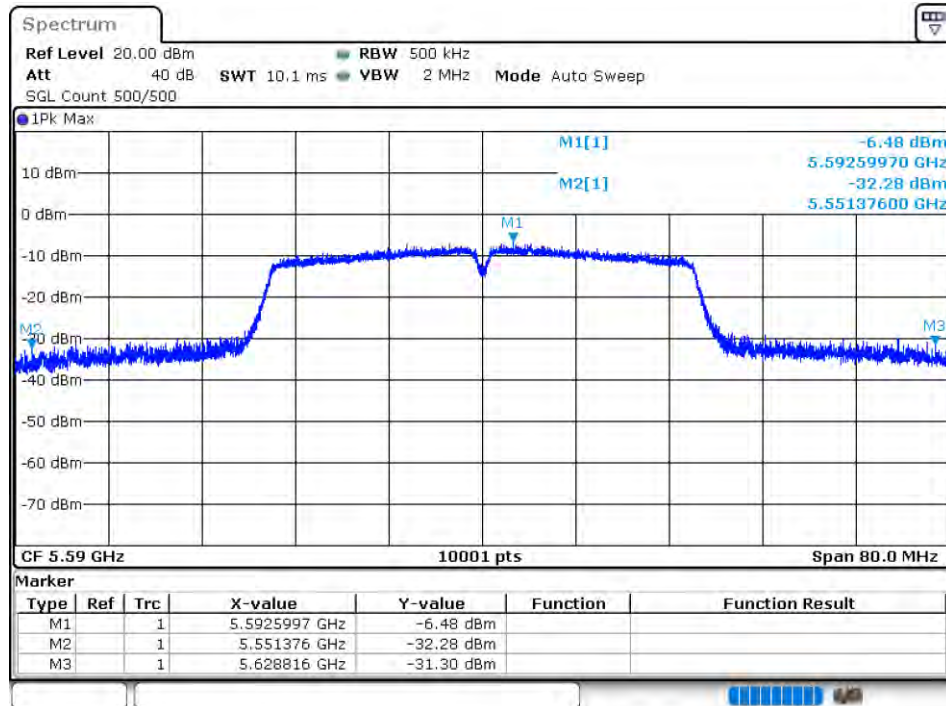
-26 dB BW NVNT 802.11ac40 5510MHz Ant1



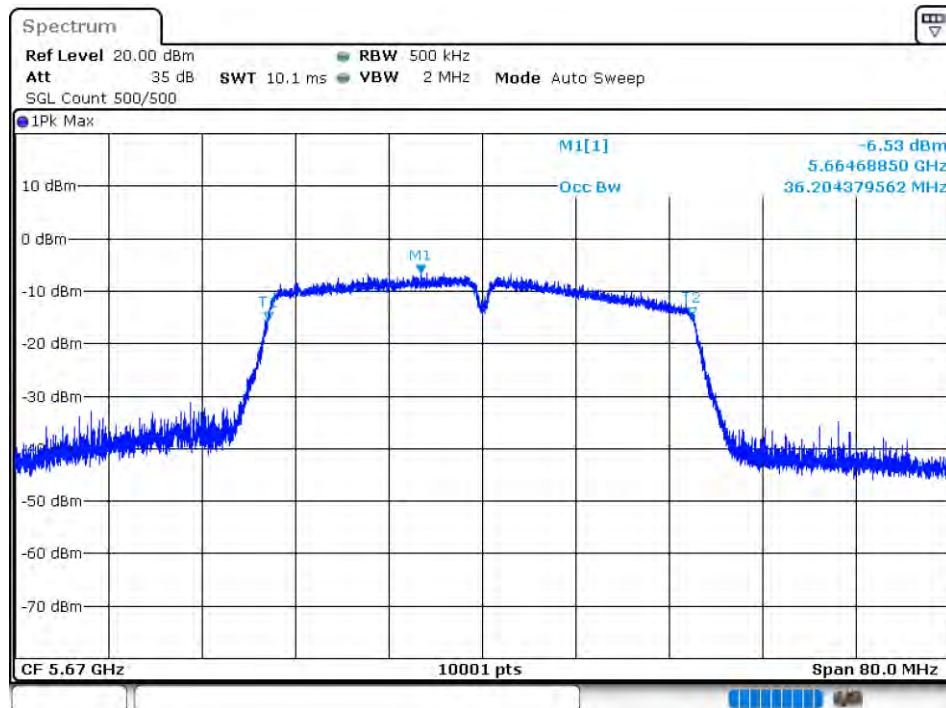
OBW NVNT 802.11ac40 5590MHz Ant1



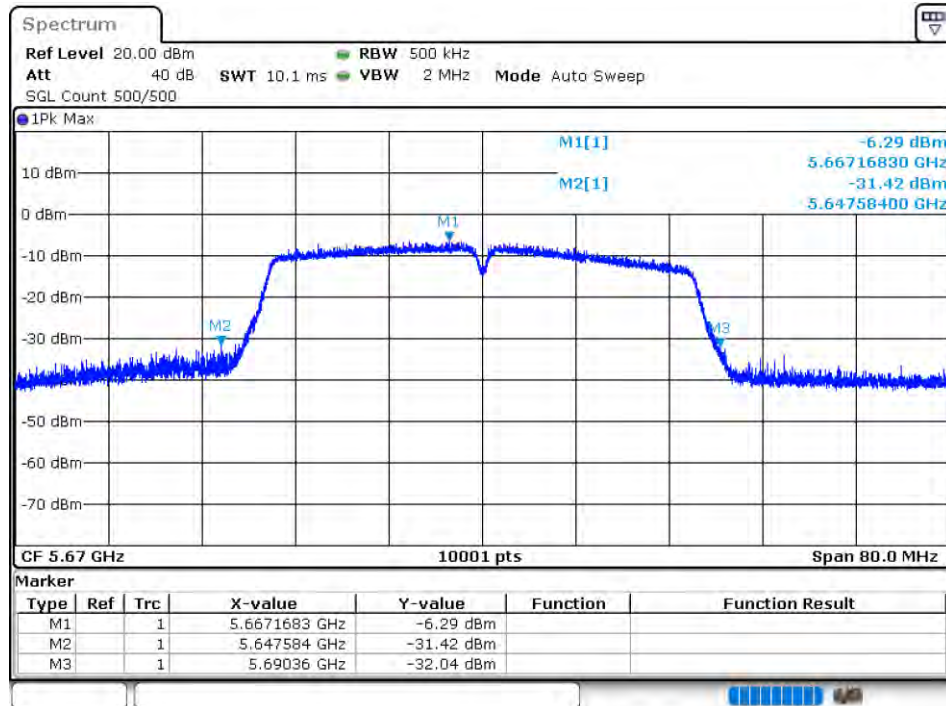
-26 dB BW NVNT 802.11ac40 5590MHz Ant1



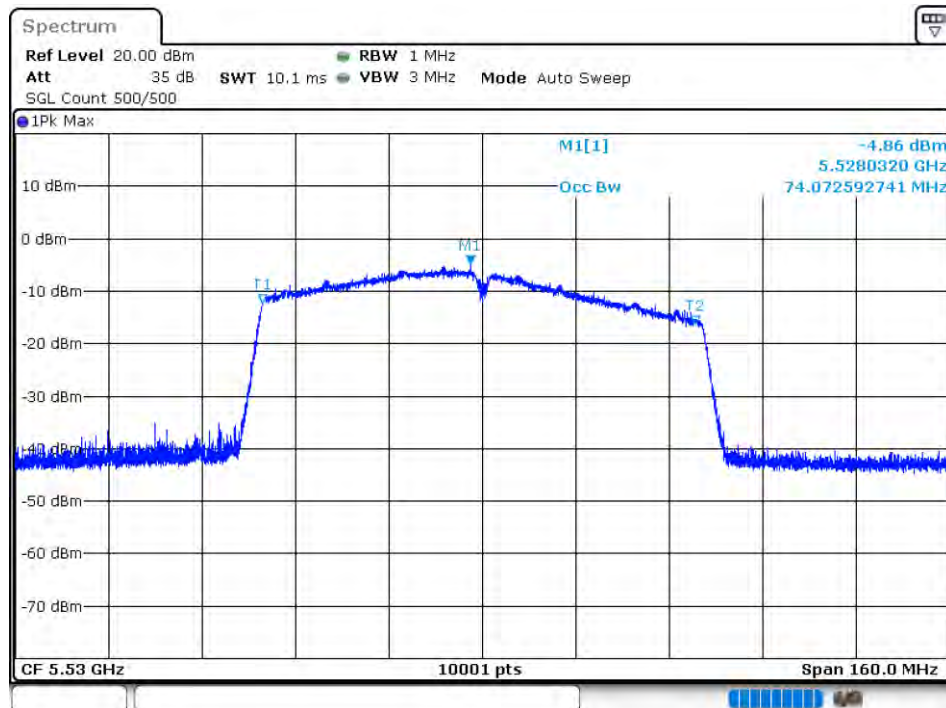
OBW NVNT 802.11ac40 5670MHz Ant1



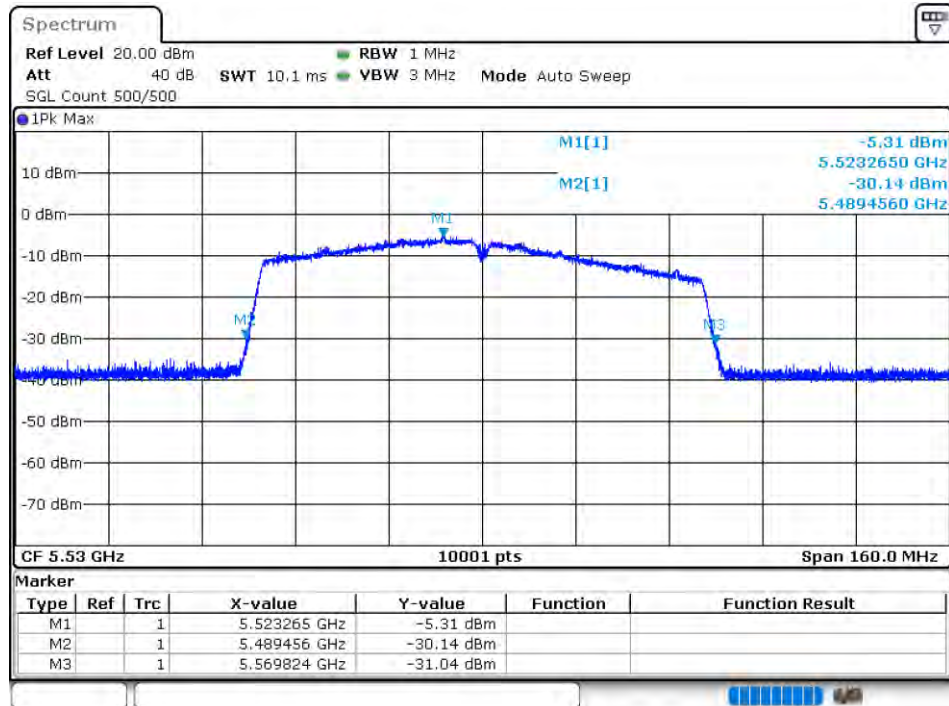
-26 dB BW NVNT 802.11ac40 5670MHz Ant1



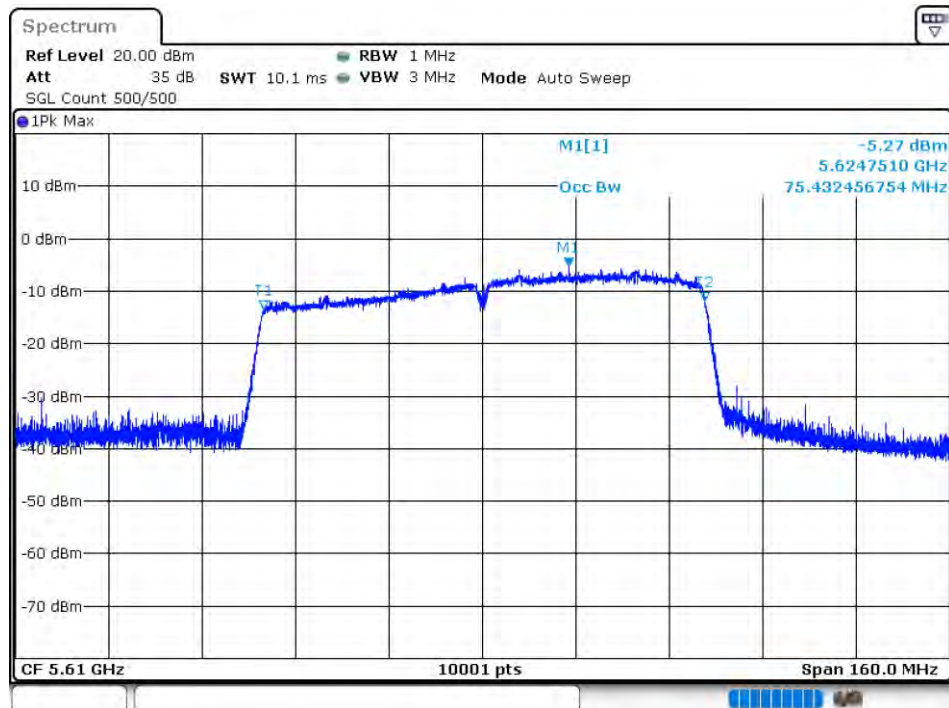
OBW NVNT 802.11ac80 5530MHz Ant1



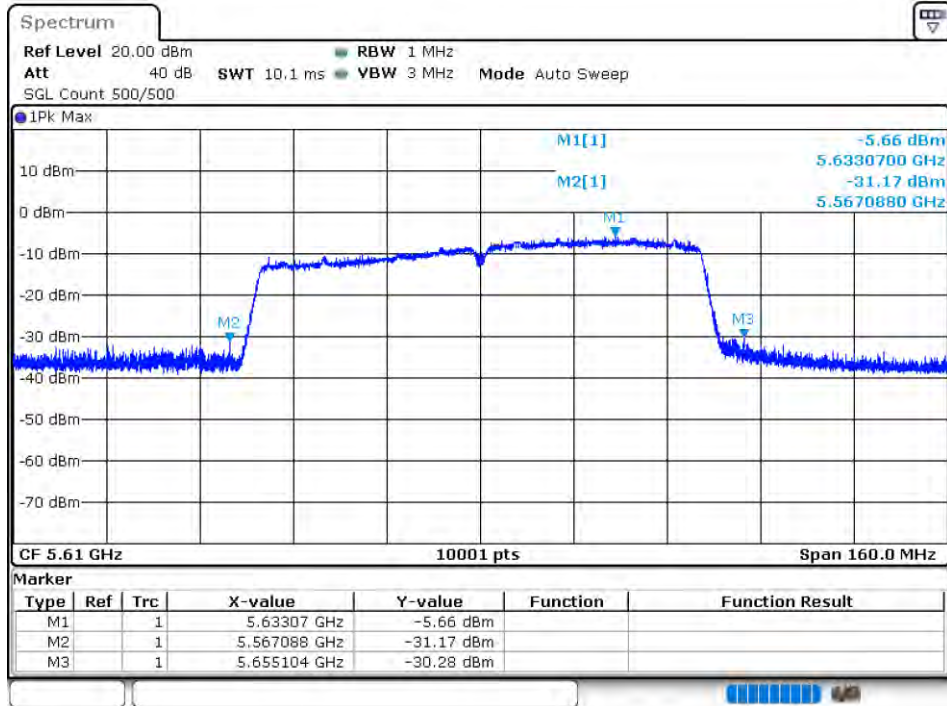
-26 dB BW NVNT 802.11ac80 5530MHz Ant1



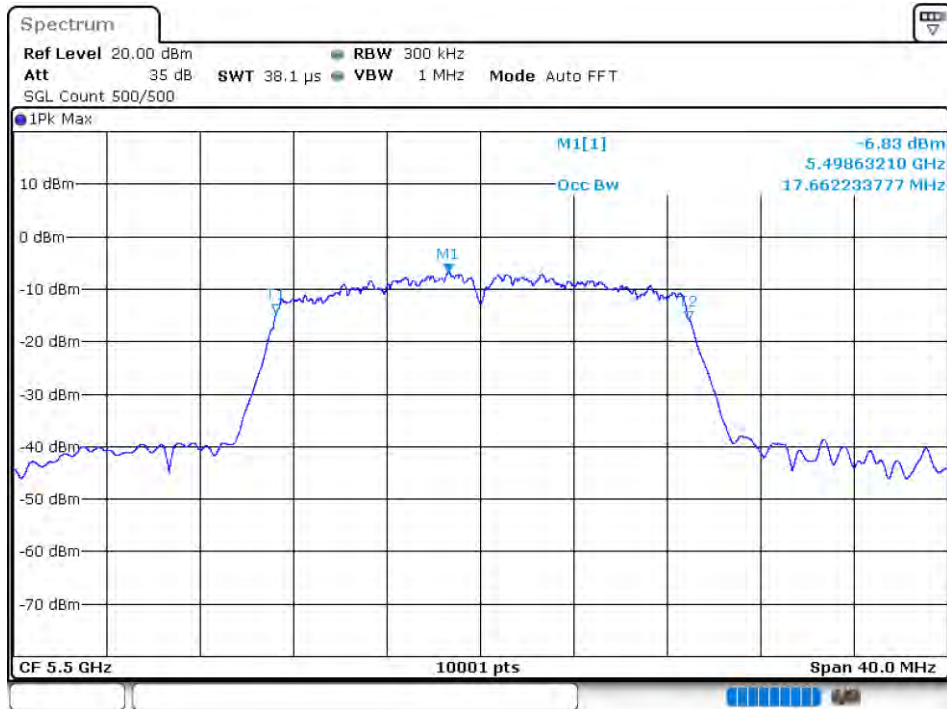
OBW NVNT 802.11ac80 5610MHz Ant1



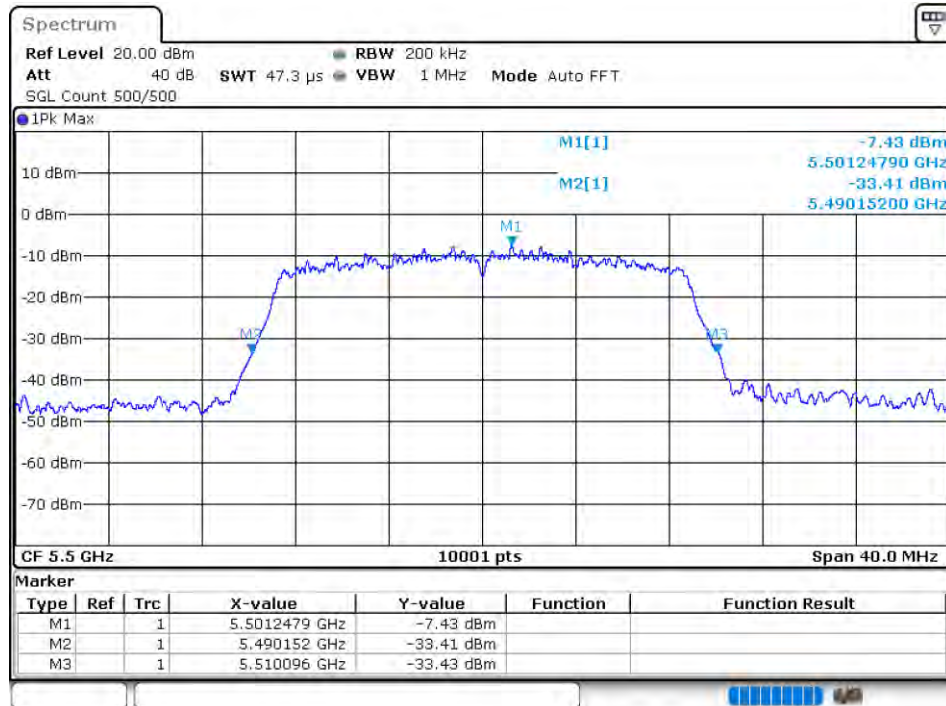
-26 dB BW NVNT 802.11ac80 5610MHz Ant1



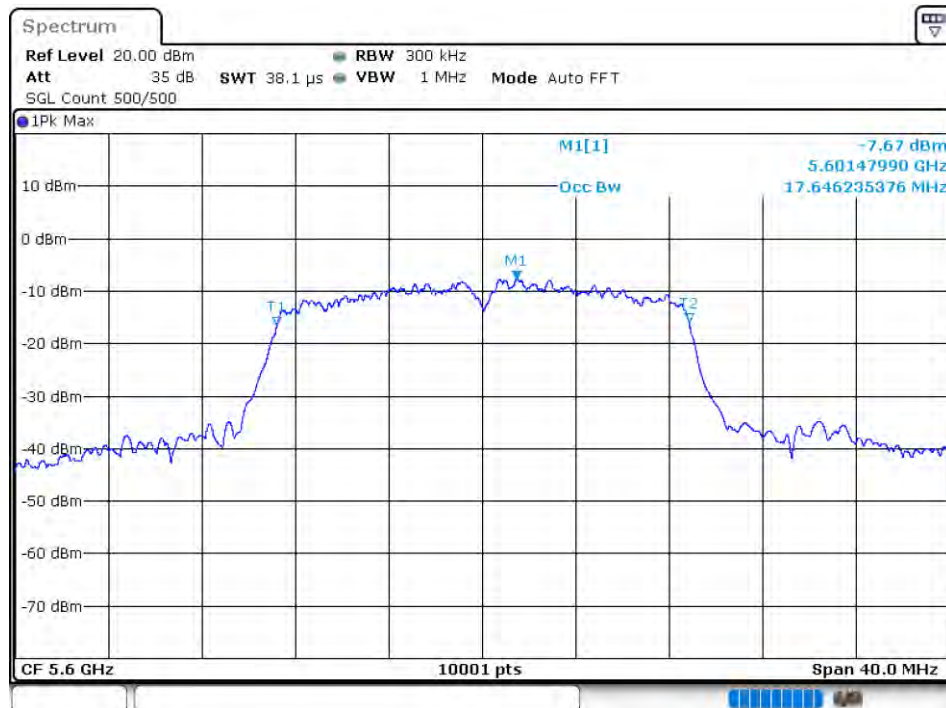
OBW NVNT 802.11n(HT20) 5500MHz Ant1



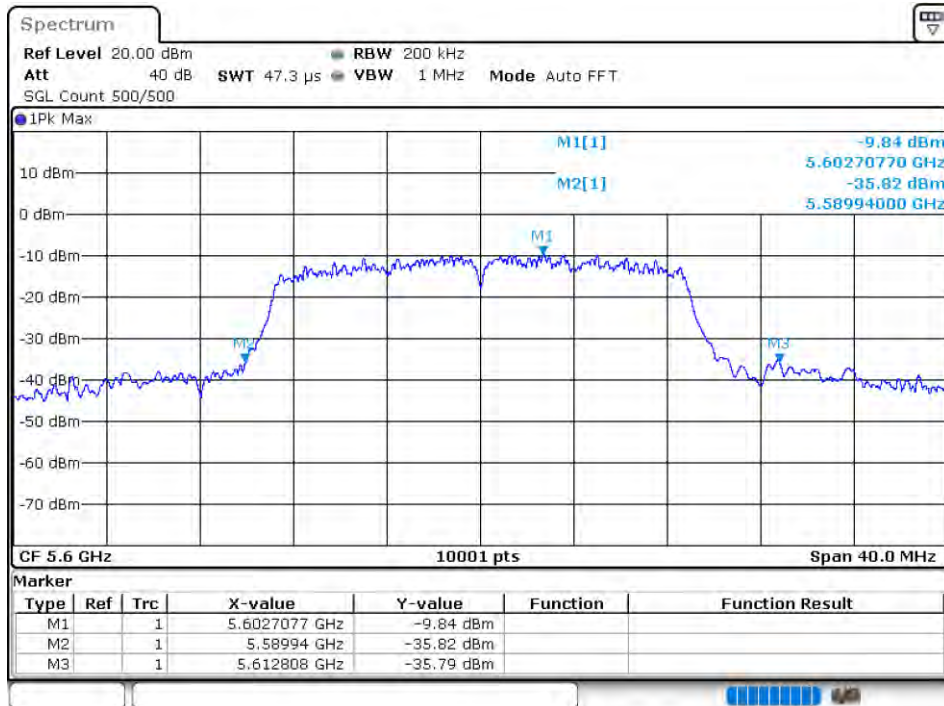
-26 dB BW NVNT 802.11n(HT20) 5500MHz Ant1



OBW NVNT 802.11n(HT20) 5600MHz Ant1



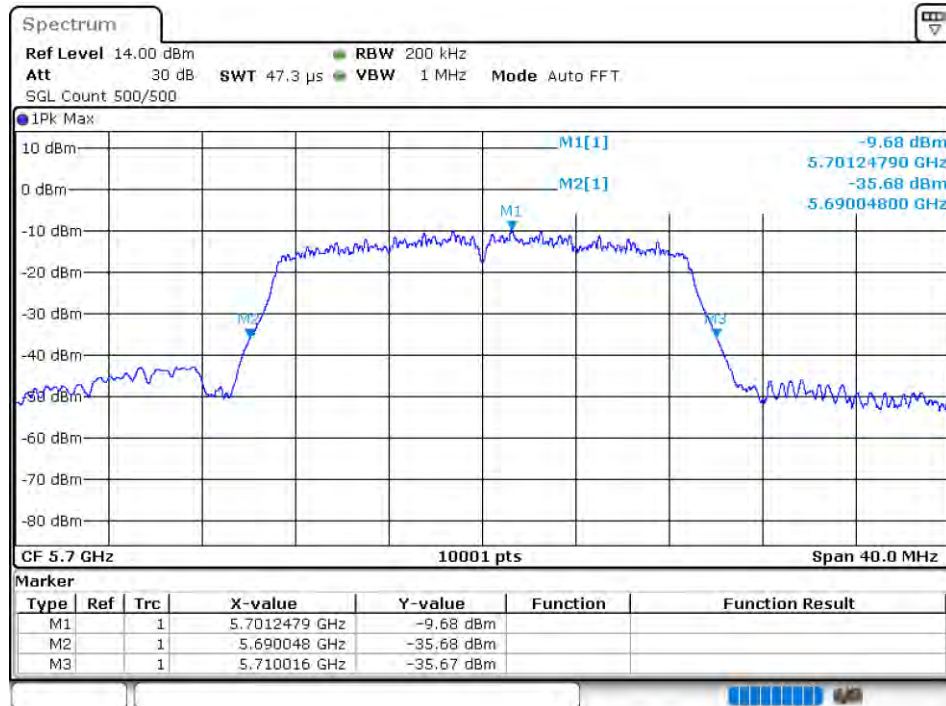
-26 dB BW NVNT 802.11n(HT20) 5600MHz Ant1



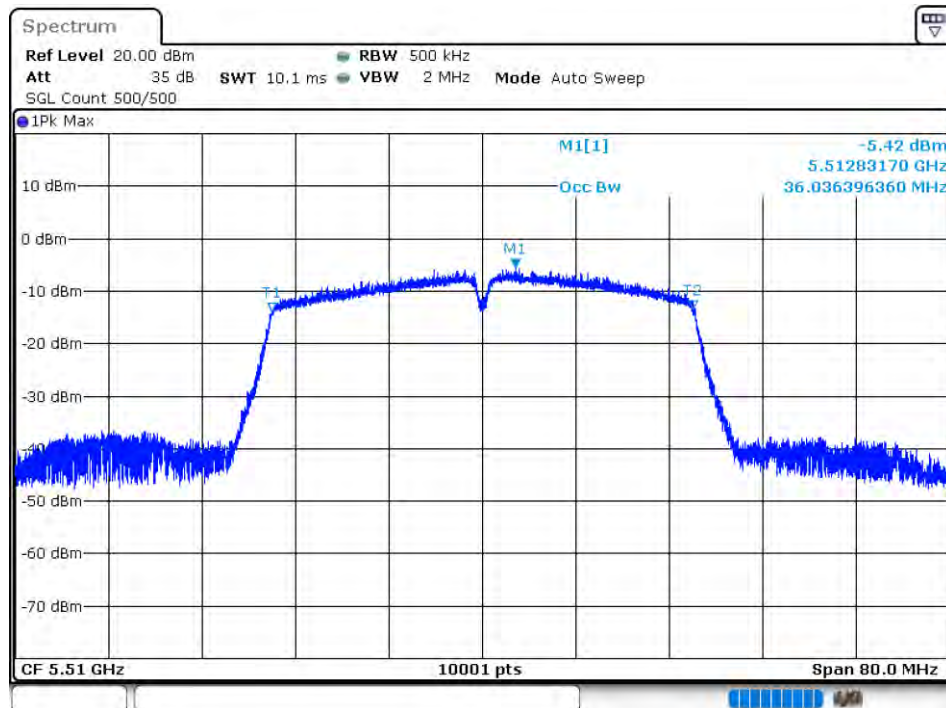
OBW NVNT 802.11n(HT20) 5700MHz Ant1



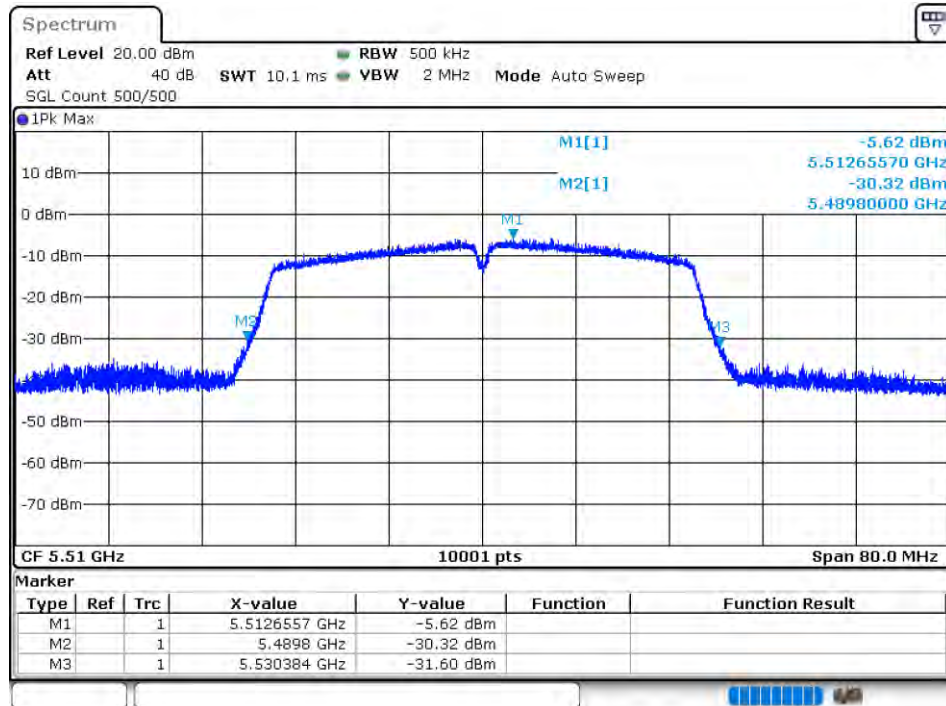
-26 dB BW NVNT 802.11n(HT20) 5700MHz Ant1



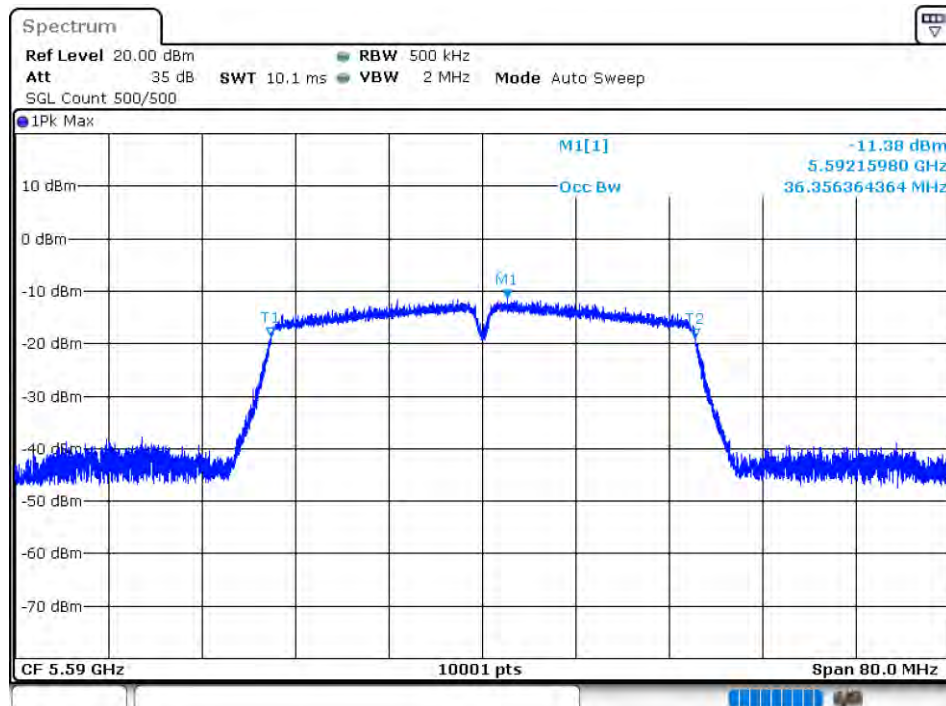
OBW NVNT 802.11n(HT40) 5510MHz Ant1



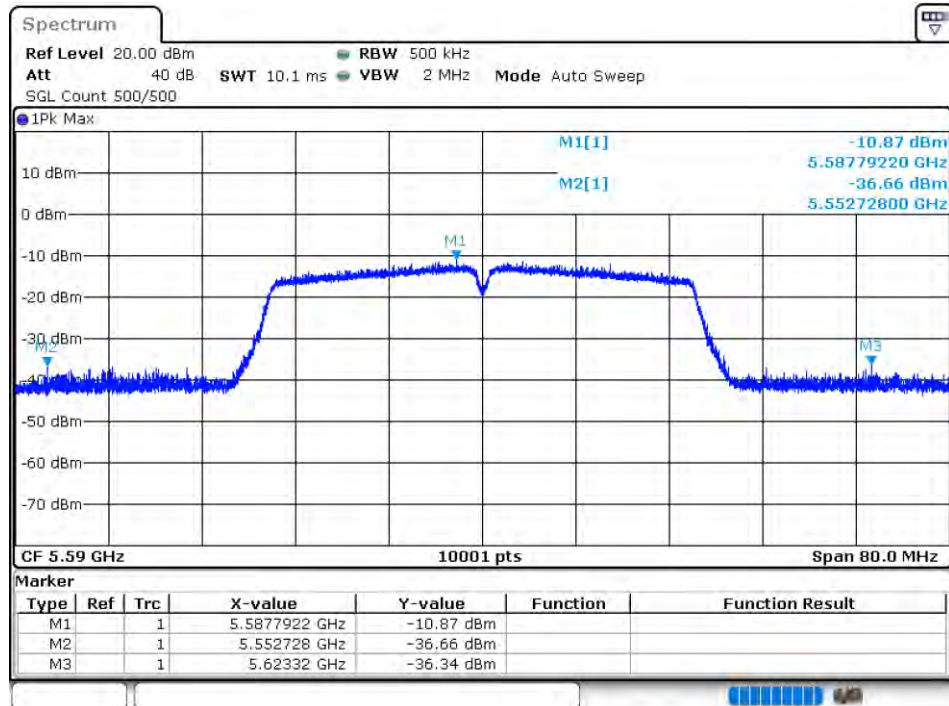
-26 dB BW NVNT 802.11n(HT40) 5510MHz Ant1



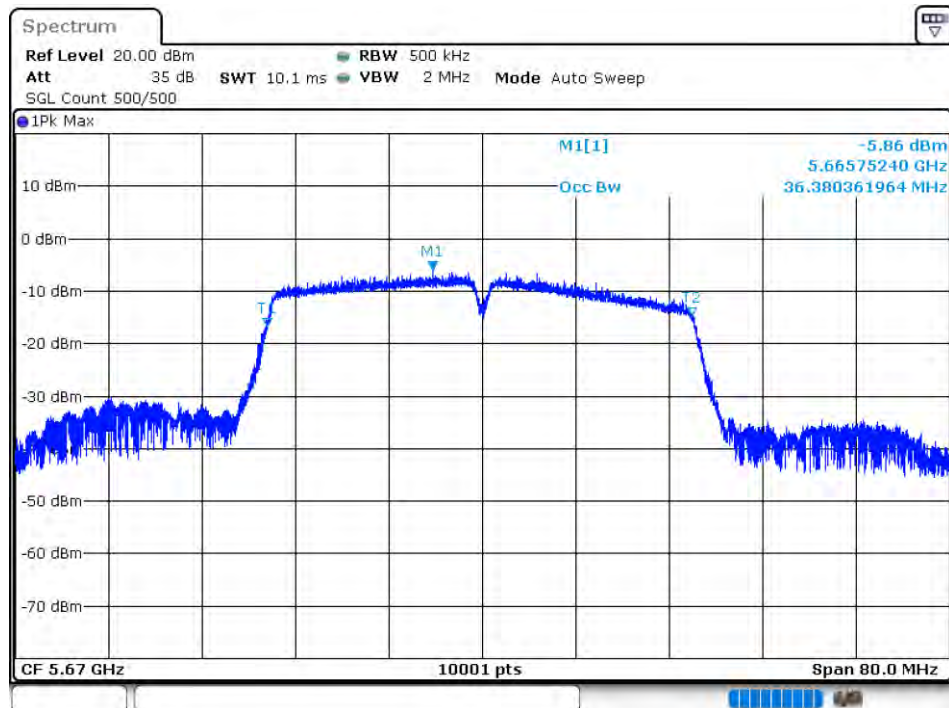
OBW NVNT 802.11n(HT40) 5590MHz Ant1



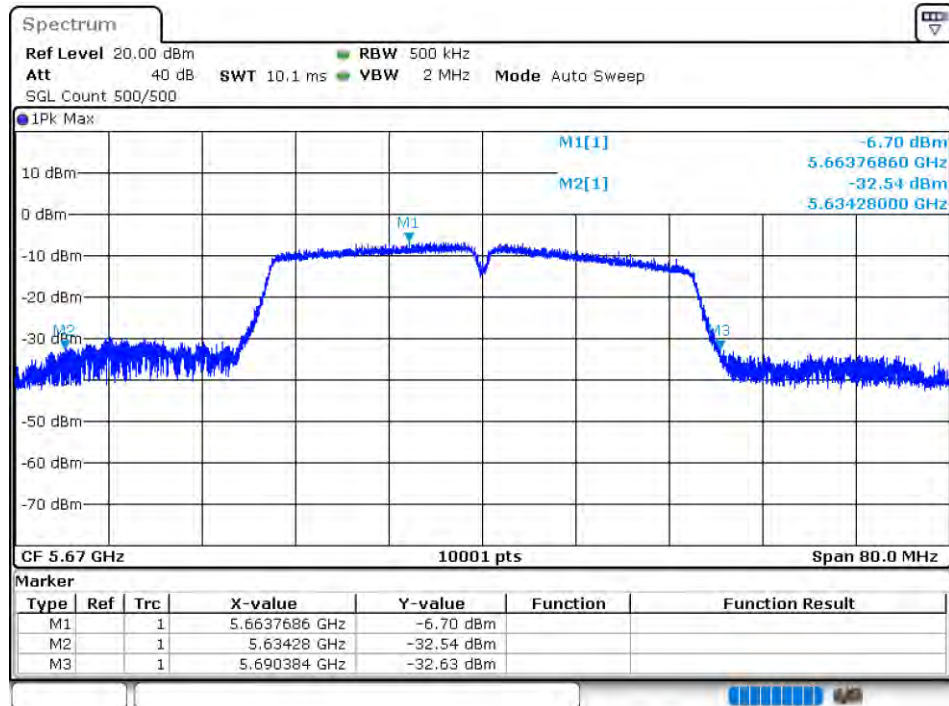
-26 dB BW NVNT 802.11n(HT40) 5590MHz Ant1



OBW NVNT 802.11n(HT40) 5670MHz Ant1



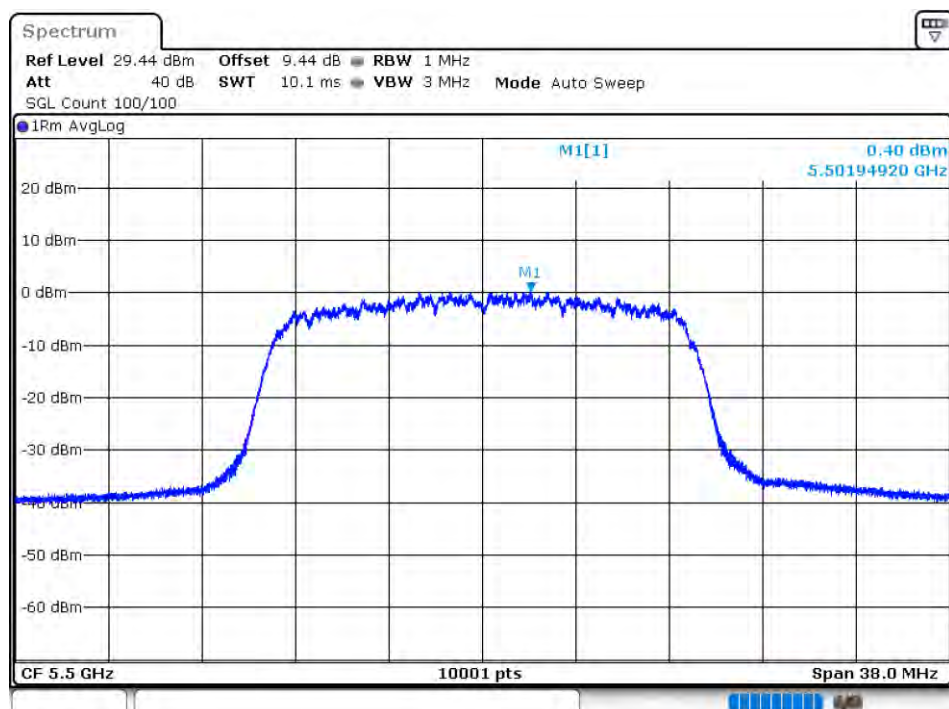
-26 dB BW NVNT 802.11n(HT40) 5670MHz Ant1



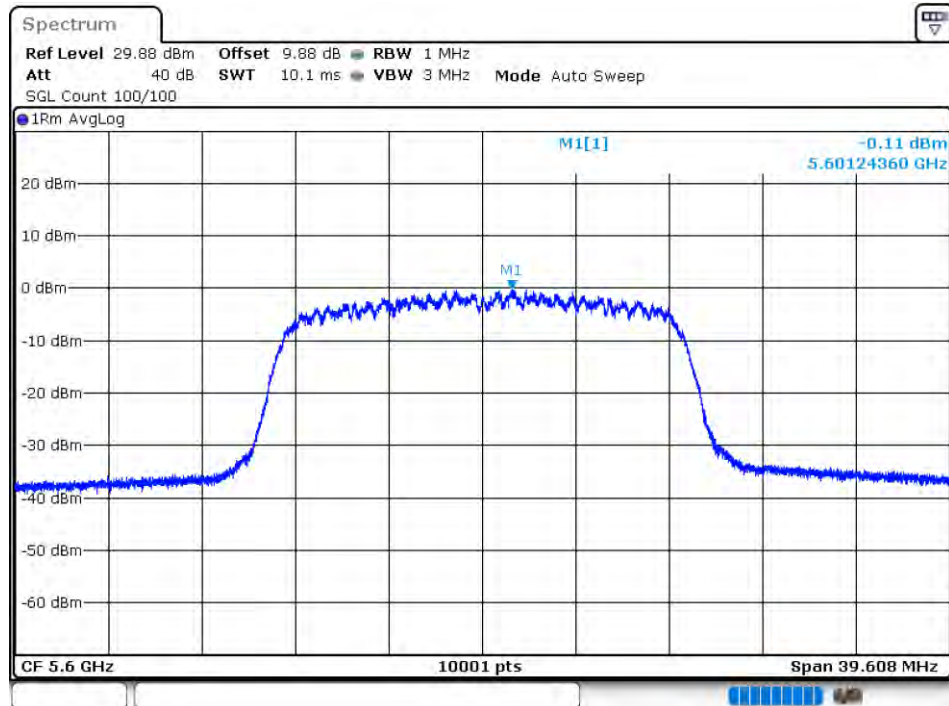
### Maximum Power Spectral Density Level

| Condition | Mode          | Frequency (MHz) | Antenna | Max PSD (dBm) | Limit (dBm) | Verdict |
|-----------|---------------|-----------------|---------|---------------|-------------|---------|
| NVNT      | 802.11a       | 5500            | Ant 1   | 0.398         | 11          | Pass    |
| NVNT      | 802.11a       | 5600            | Ant 1   | -0.112        | 11          | Pass    |
| NVNT      | 802.11a       | 5700            | Ant 1   | 0.74          | 11          | Pass    |
| NVNT      | 802.11ac20    | 5500            | Ant 1   | -0.922        | 11          | Pass    |
| NVNT      | 802.11ac20    | 5600            | Ant 1   | -1.834        | 11          | Pass    |
| NVNT      | 802.11ac20    | 5700            | Ant 1   | -2.898        | 11          | Pass    |
| NVNT      | 802.11ac40    | 5510            | Ant 1   | -4.224        | 11          | Pass    |
| NVNT      | 802.11ac40    | 5590            | Ant 1   | -5.003        | 11          | Pass    |
| NVNT      | 802.11ac40    | 5670            | Ant 1   | -4.534        | 11          | Pass    |
| NVNT      | 802.11ac80    | 5530            | Ant 1   | -8.218        | 11          | Pass    |
| NVNT      | 802.11ac80    | 5610            | Ant 1   | -8.457        | 11          | Pass    |
| NVNT      | 802.11n(HT20) | 5500            | Ant 1   | -1.114        | 11          | Pass    |
| NVNT      | 802.11n(HT20) | 5600            | Ant 1   | -1.678        | 11          | Pass    |
| NVNT      | 802.11n(HT20) | 5700            | Ant 1   | -2.778        | 11          | Pass    |
| NVNT      | 802.11n(HT40) | 5510            | Ant 1   | -3.987        | 11          | Pass    |
| NVNT      | 802.11n(HT40) | 5590            | Ant 1   | -4.417        | 11          | Pass    |
| NVNT      | 802.11n(HT40) | 5670            | Ant 1   | -4.488        | 11          | Pass    |

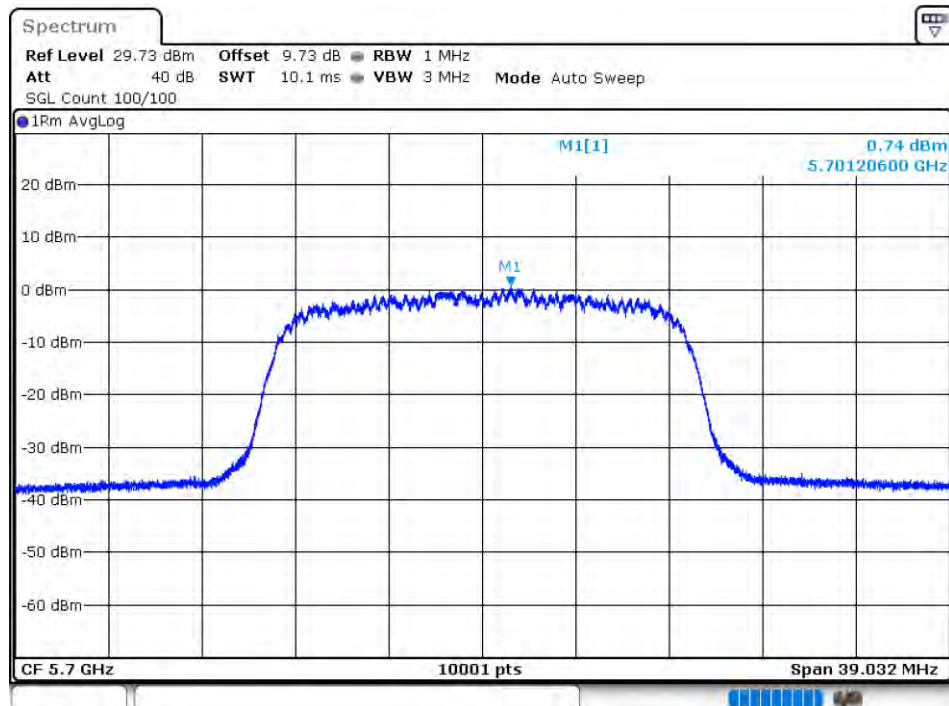
PSD NVNT 802.11a 5500MHz Ant1



PSD NVNT 802.11a 5600MHz Ant1



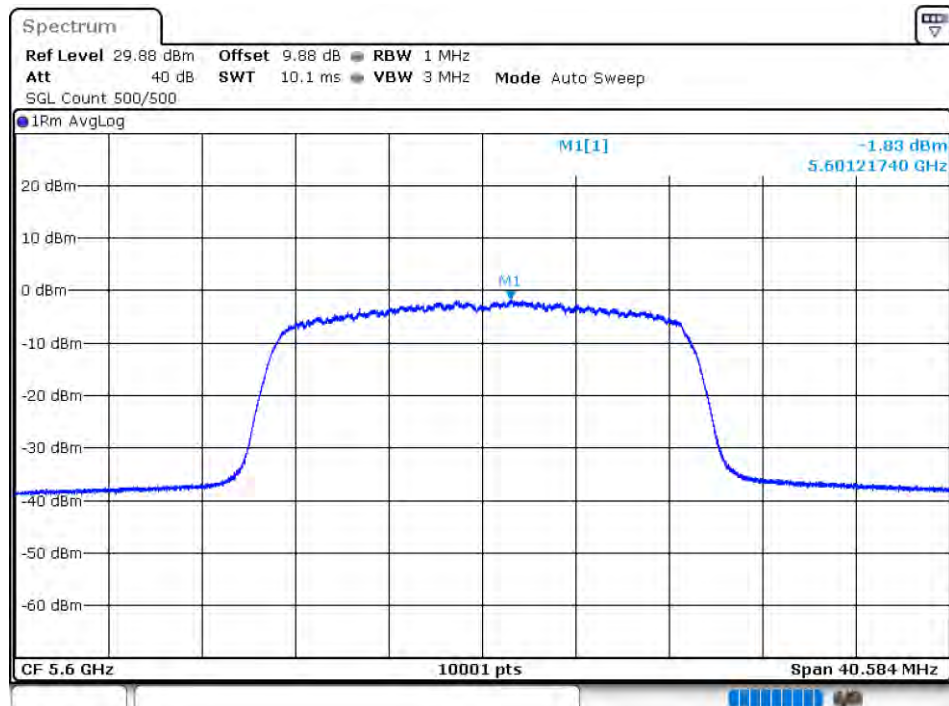
PSD NVNT 802.11a 5700MHz Ant1



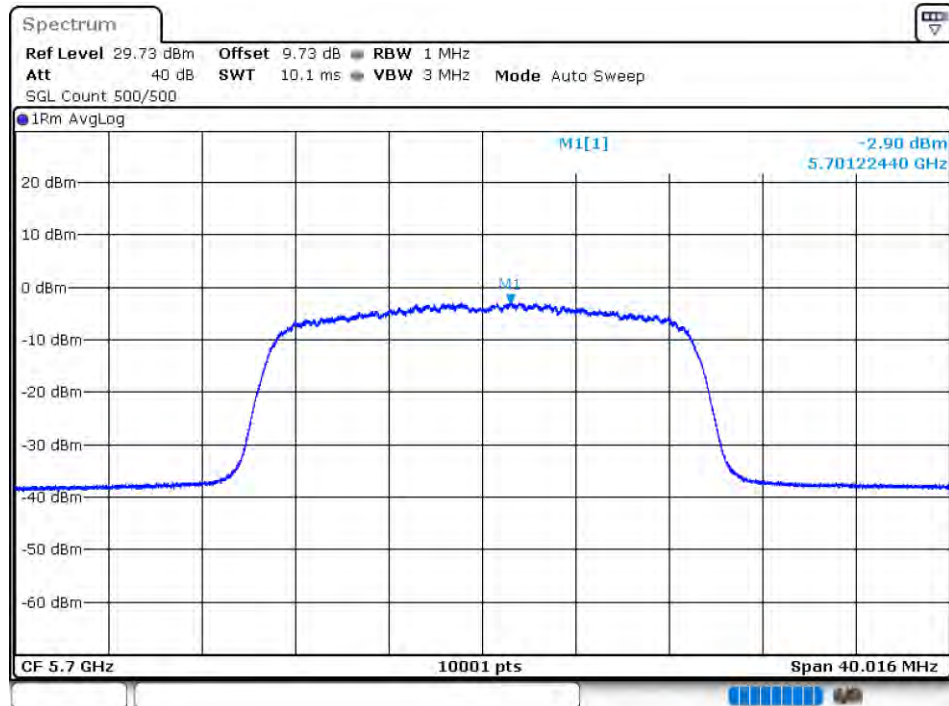
PSD NVNT 802.11ac20 5500MHz Ant1



PSD NVNT 802.11ac20 5600MHz Ant1



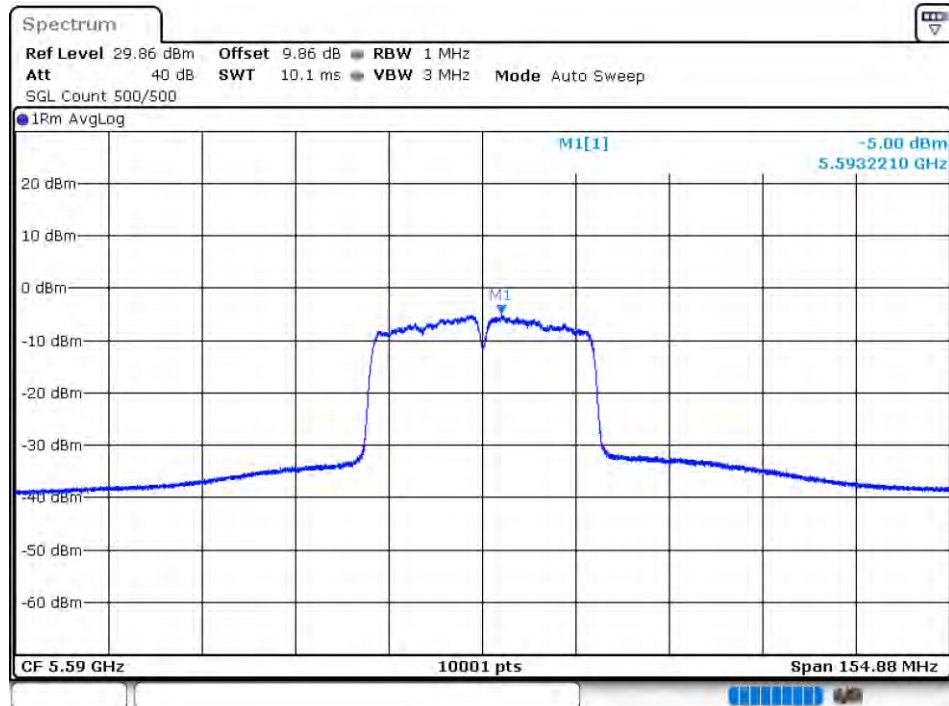
PSD NVNT 802.11ac20 5700MHz Ant1



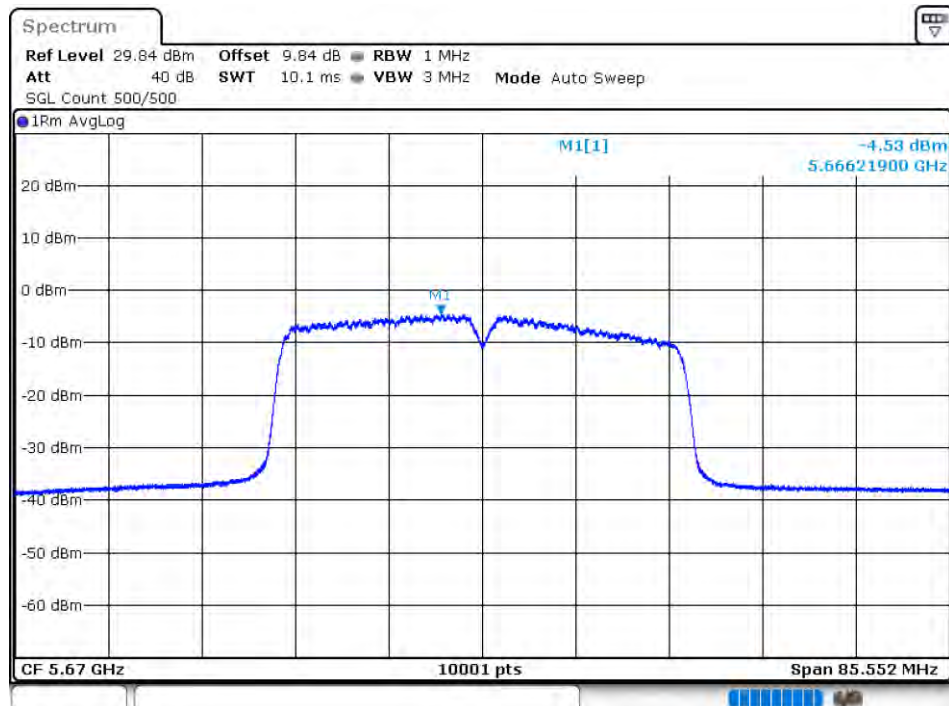
PSD NVNT 802.11ac40 5510MHz Ant1



PSD NVNT 802.11ac40 5590MHz Ant1



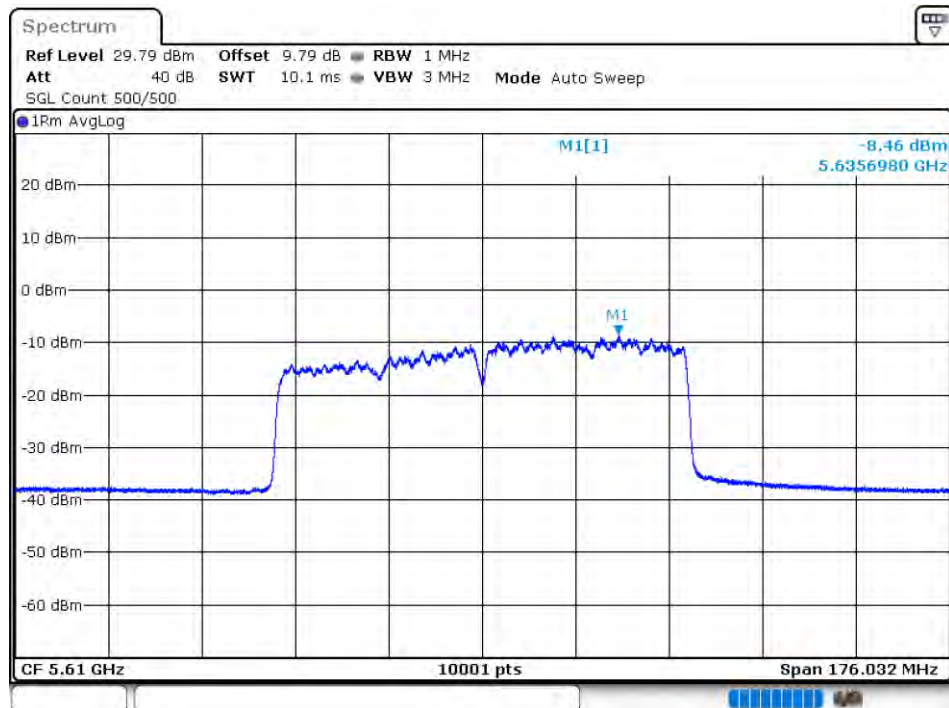
PSD NVNT 802.11ac40 5670MHz Ant1



PSD NVNT 802.11ac80 5530MHz Ant1



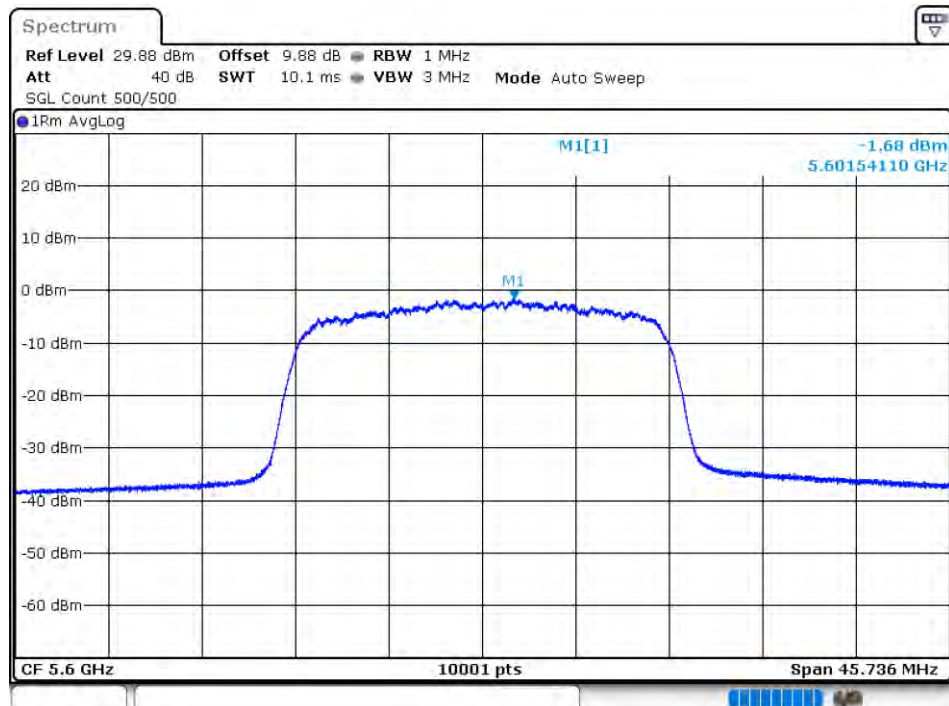
PSD NVNT 802.11ac80 5610MHz Ant1



PSD NVNT 802.11n(HT20) 5500MHz Ant1



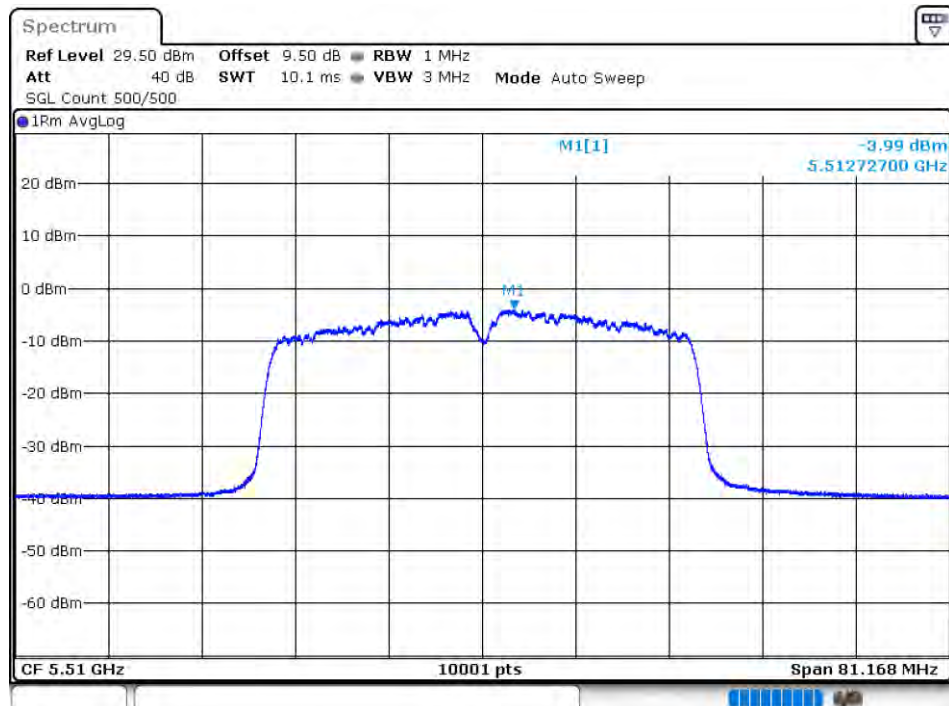
PSD NVNT 802.11n(HT20) 5600MHz Ant1



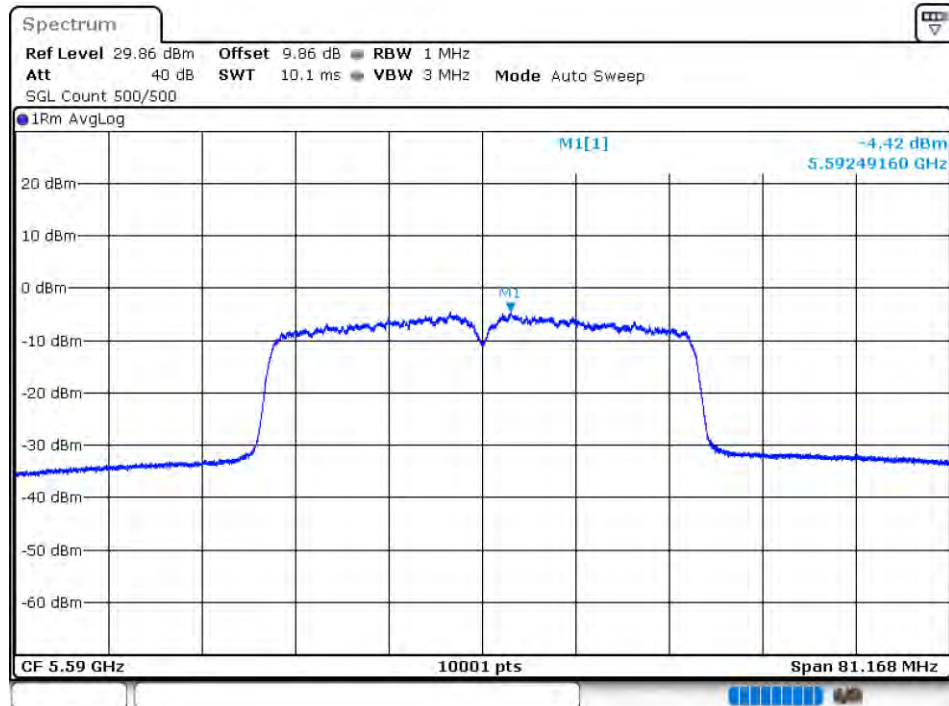
PSD NVNT 802.11n(HT20) 5700MHz Ant1



PSD NVNT 802.11n(HT40) 5510MHz Ant1



PSD NVNT 802.11n(HT40) 5590MHz Ant1



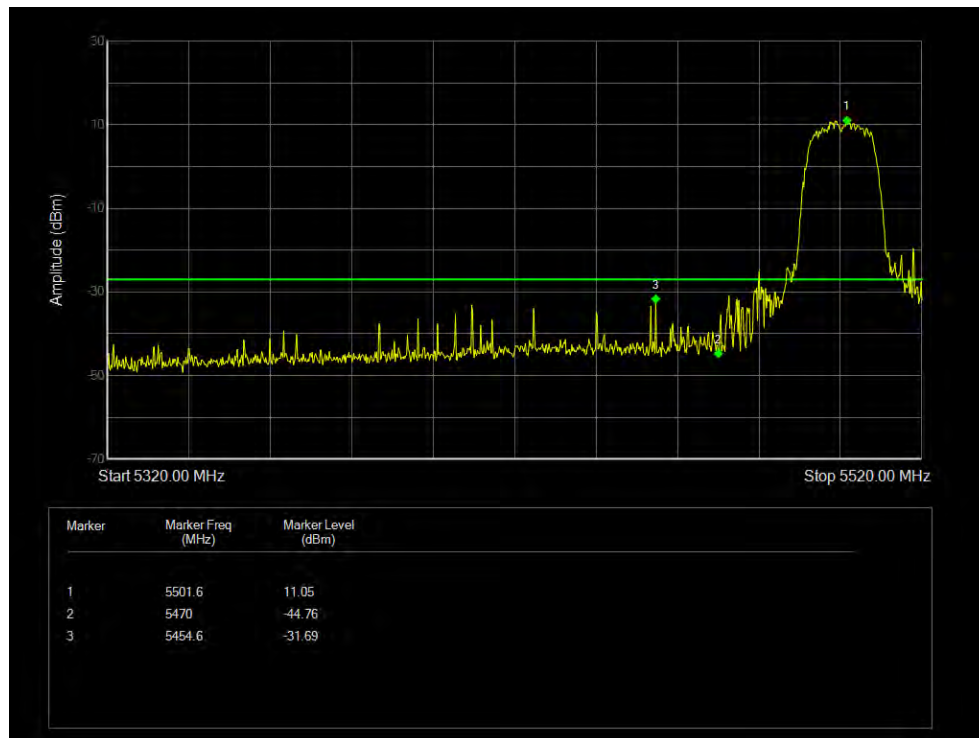
PSD NVNT 802.11n(HT40) 5670MHz Ant1



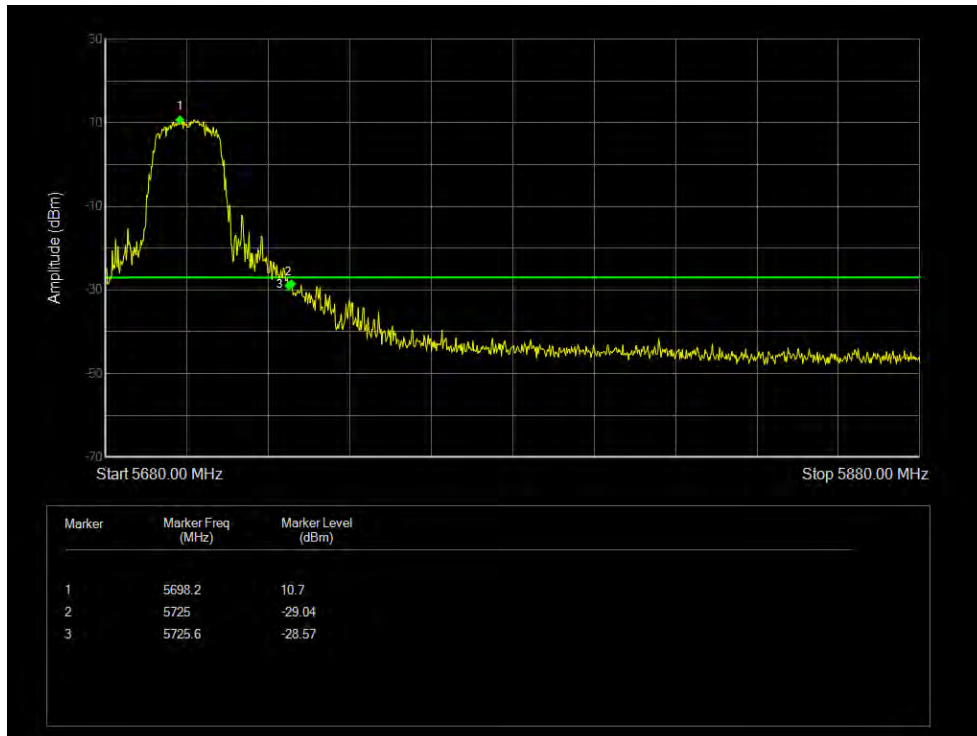
**Band Edge**

| Condition | Mode          | Frequency (MHz) | Antenna | Max Value (dBm) | Limit (dBm) | Verdict |
|-----------|---------------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | 802.11a       | 5500            | Ant 1   | -31.69          | -27         | Pass    |
| NVNT      | 802.11a       | 5700            | Ant 1   | -28.57          | -27         | Pass    |
| NVNT      | 802.11ac20    | 5500            | Ant 1   | -41.05          | -27         | Pass    |
| NVNT      | 802.11ac20    | 5700            | Ant 1   | -30.78          | -27         | Pass    |
| NVNT      | 802.11ac40    | 5510            | Ant 1   | -32.13          | -27         | Pass    |
| NVNT      | 802.11ac40    | 5670            | Ant 1   | -33.02          | -27         | Pass    |
| NVNT      | 802.11ac80    | 5530            | Ant 1   | -31.06          | -27         | Pass    |
| NVNT      | 802.11ac80    | 5610            | Ant 1   | -32.86          | -27         | Pass    |
| NVNT      | 802.11n(HT20) | 5500            | Ant 1   | -35.48          | -27         | Pass    |
| NVNT      | 802.11n(HT20) | 5700            | Ant 1   | -29.58          | -27         | Pass    |
| NVNT      | 802.11n(HT40) | 5510            | Ant 1   | -28.6           | -27         | Pass    |
| NVNT      | 802.11n(HT40) | 5670            | Ant 1   | -29.58          | -27         | Pass    |

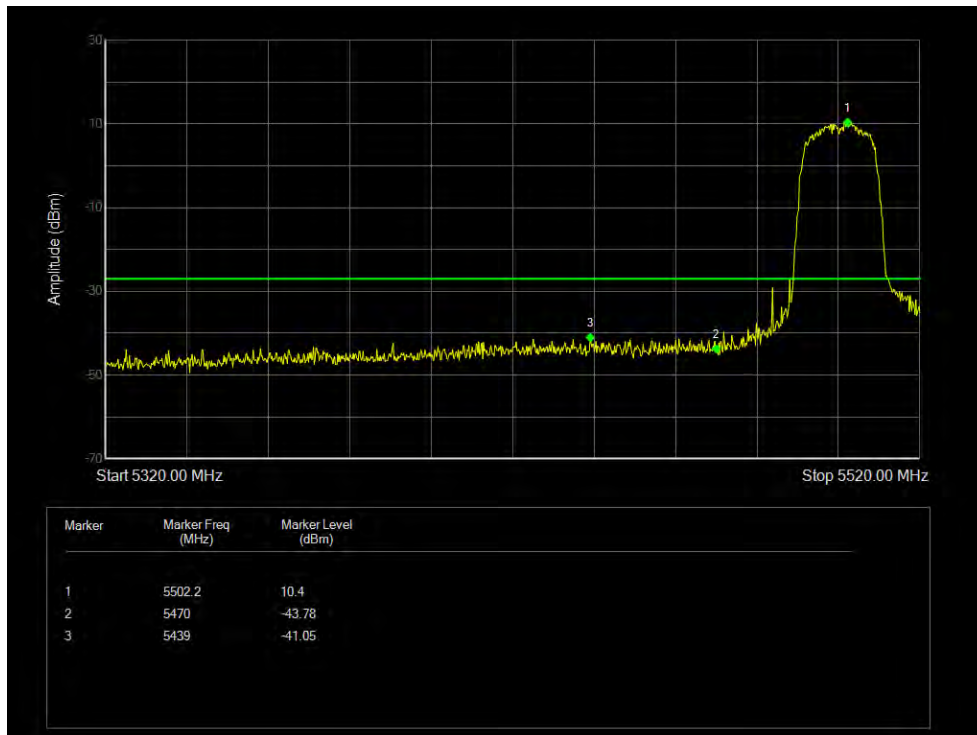
Band Edge NVNT 802.11a 5500MHz Low Ant1



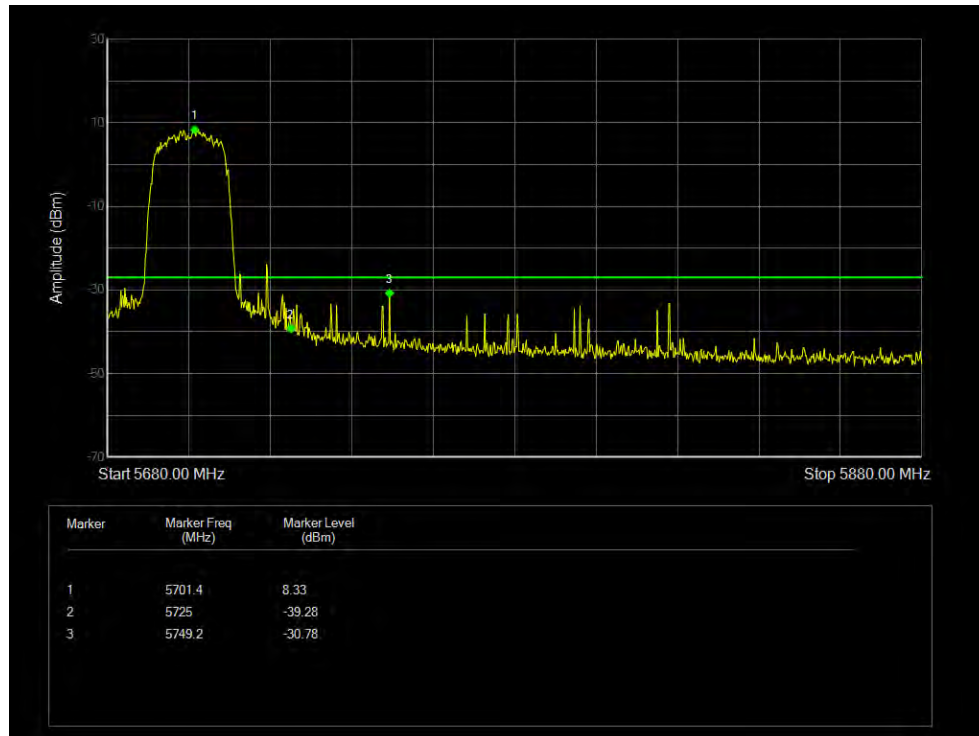
Band Edge NVNT 802.11a 5700MHz High Ant1



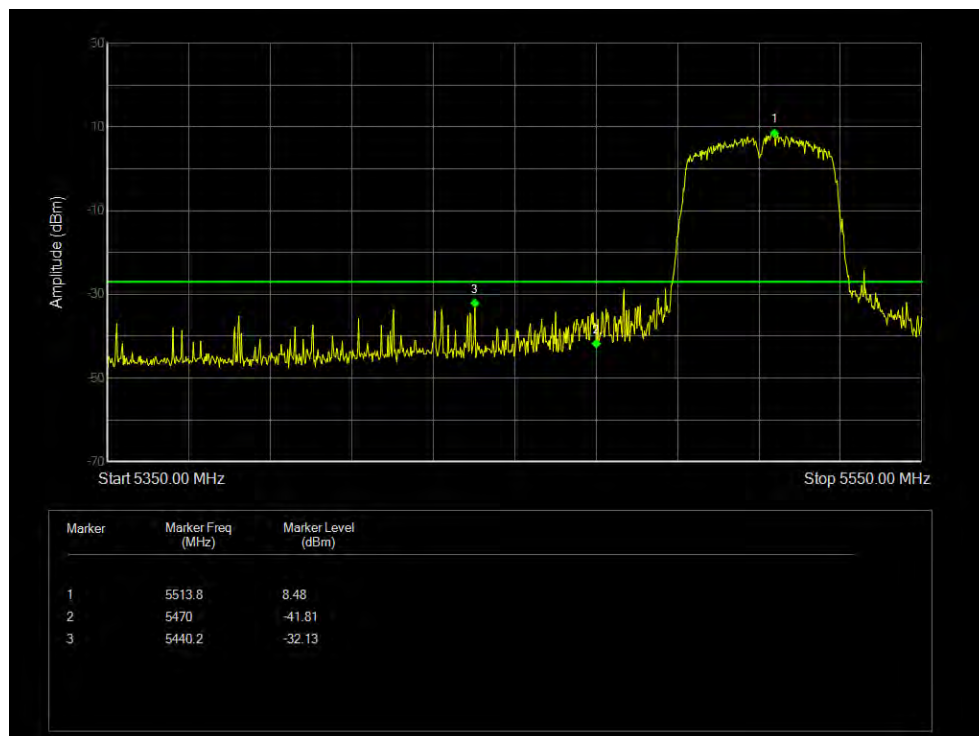
Band Edge NVNT 802.11ac20 5500MHz Low Ant1



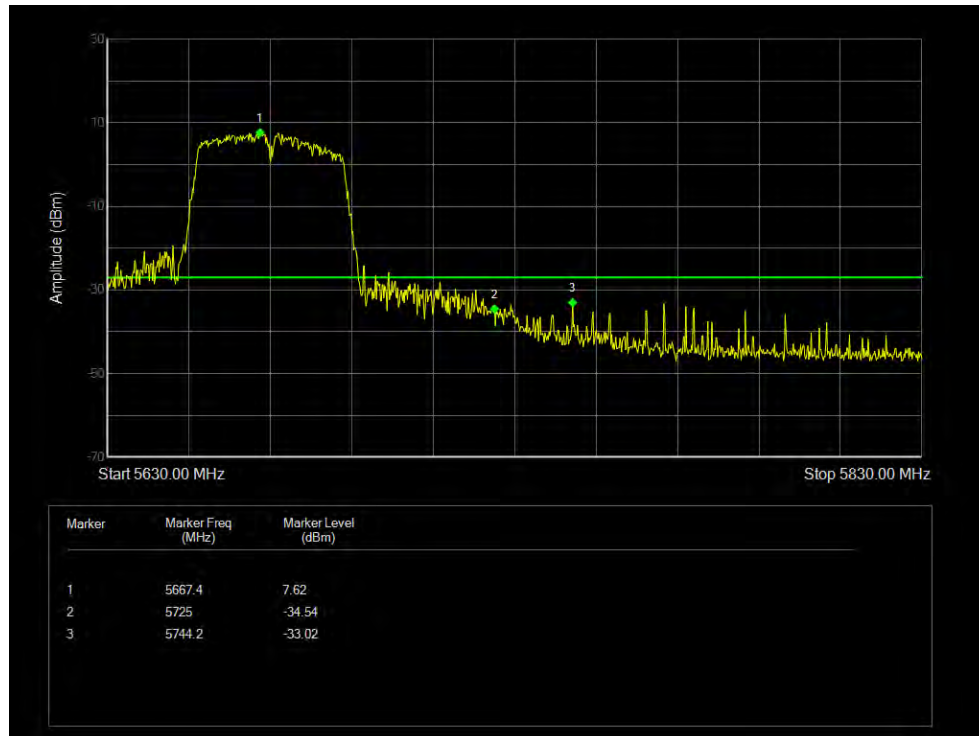
Band Edge NVNT 802.11ac20 5700MHz High Ant1



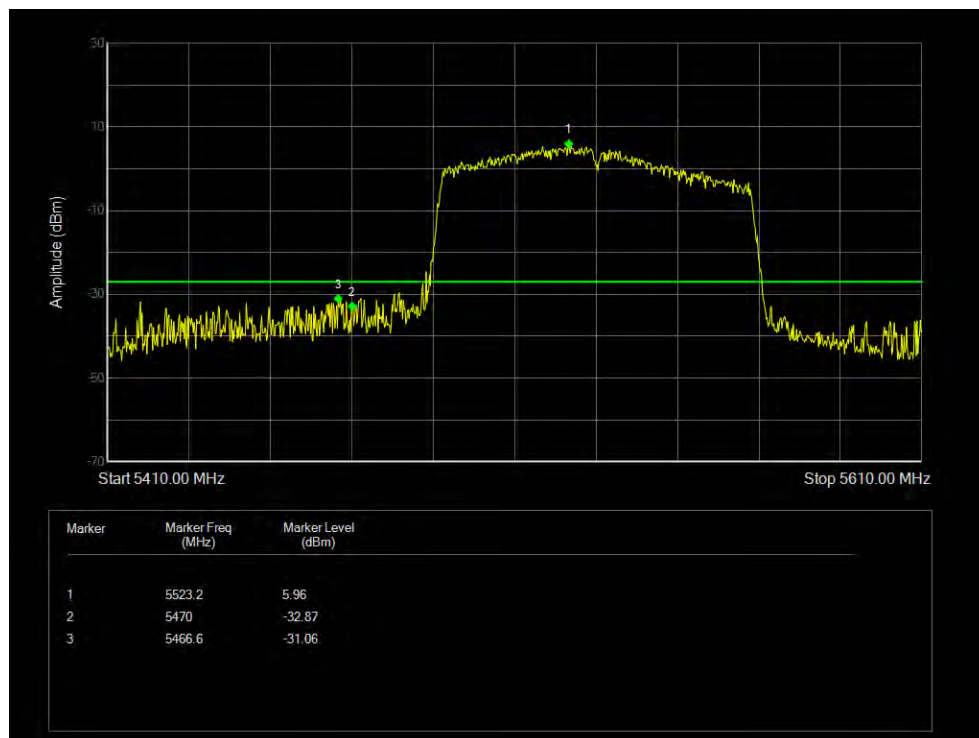
Band Edge NVNT 802.11ac40 5510MHz Low Ant1



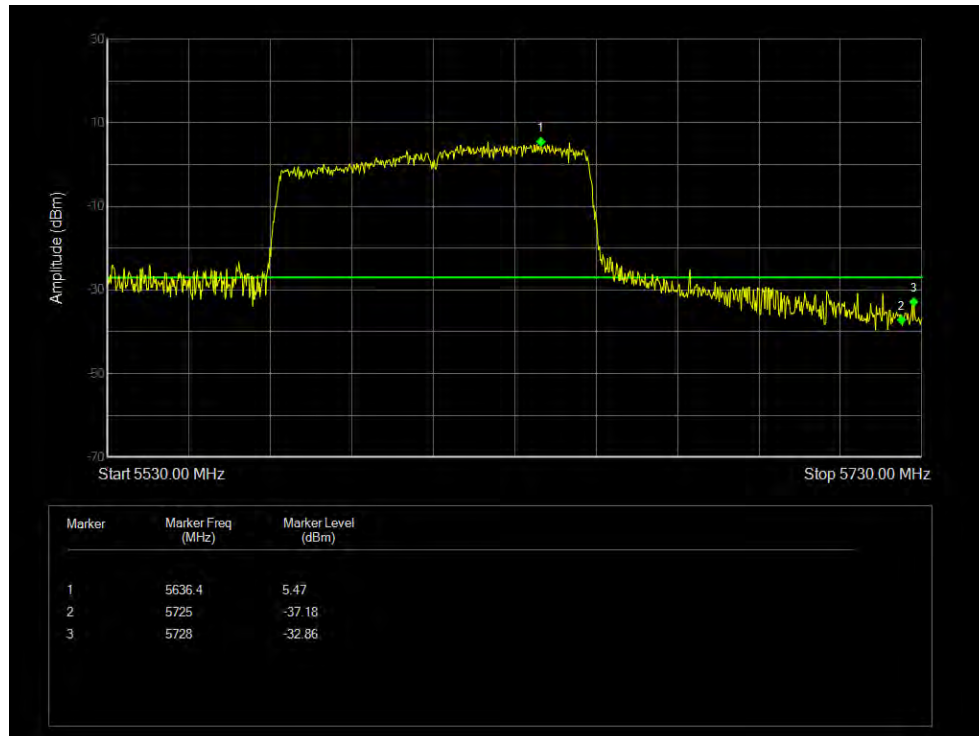
Band Edge NVNT 802.11ac40 5670MHz High Ant1



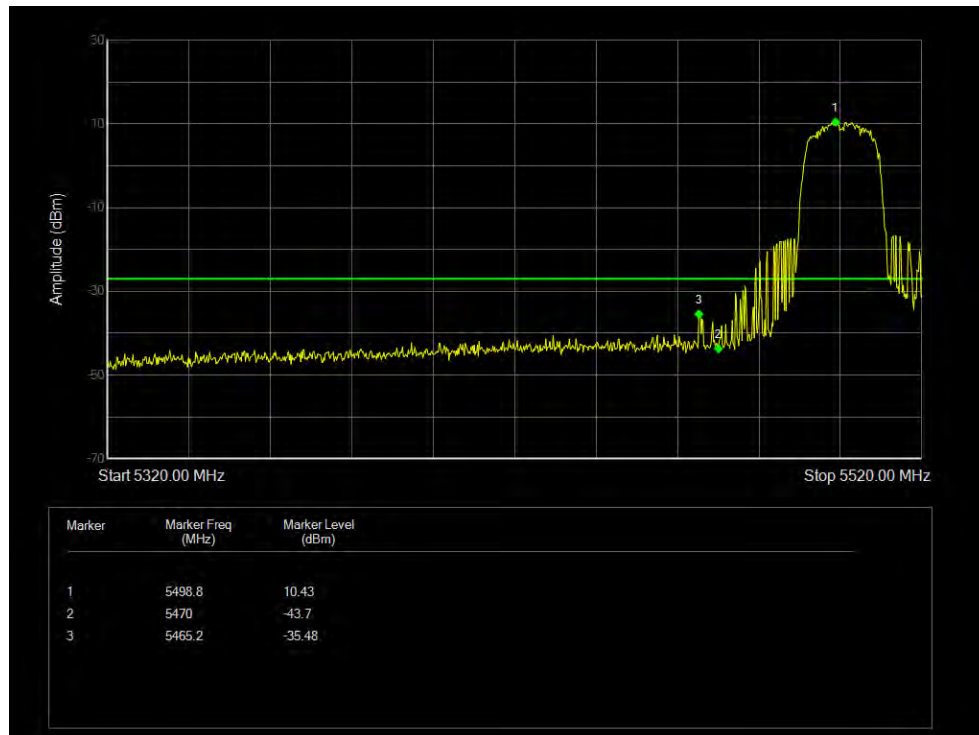
Band Edge NVNT 802.11ac80 5530MHz Low Ant1



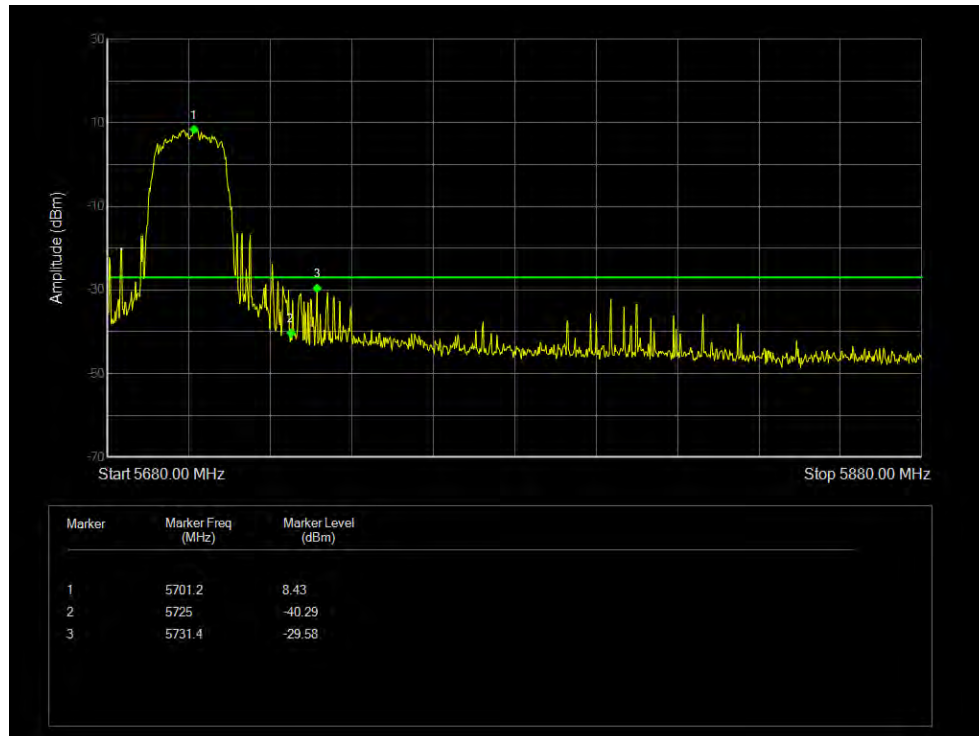
Band Edge NVNT 802.11ac80 5610MHz High Ant1



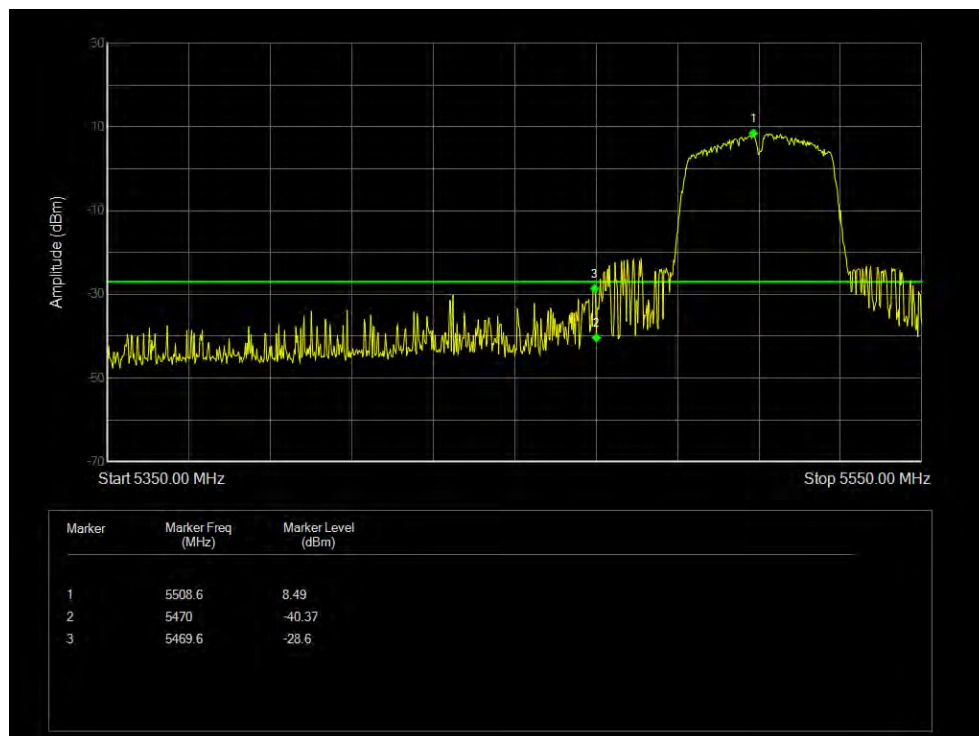
Band Edge NVNT 802.11n(HT20) 5500MHz Low Ant1



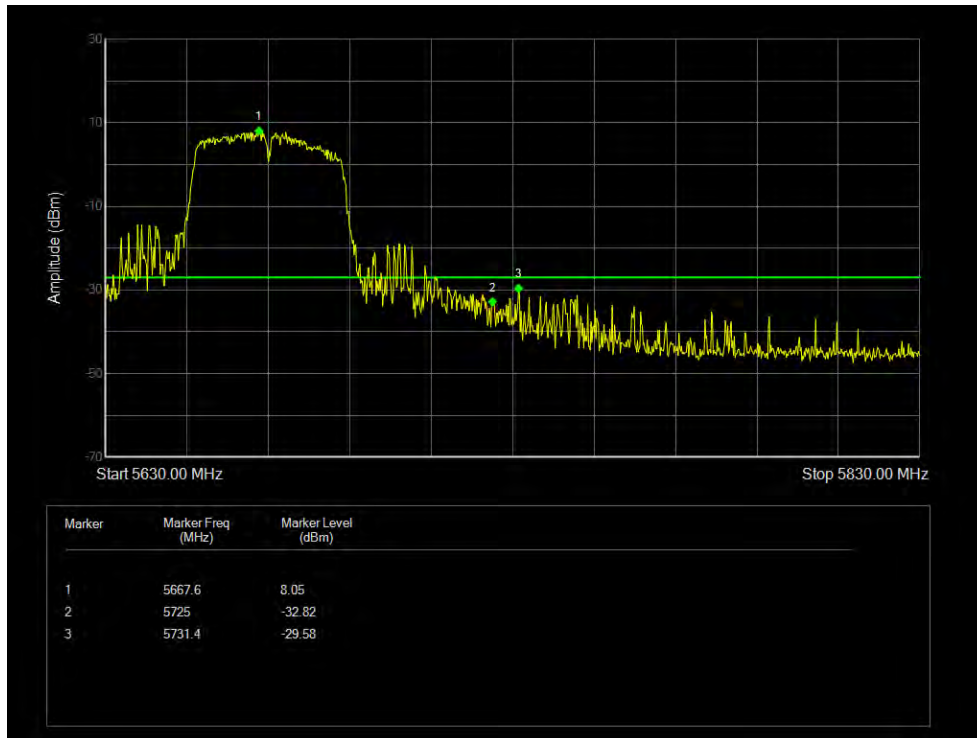
Band Edge NVNT 802.11n(HT20) 5700MHz High Ant1



Band Edge NVNT 802.11n(HT40) 5510MHz Low Ant1



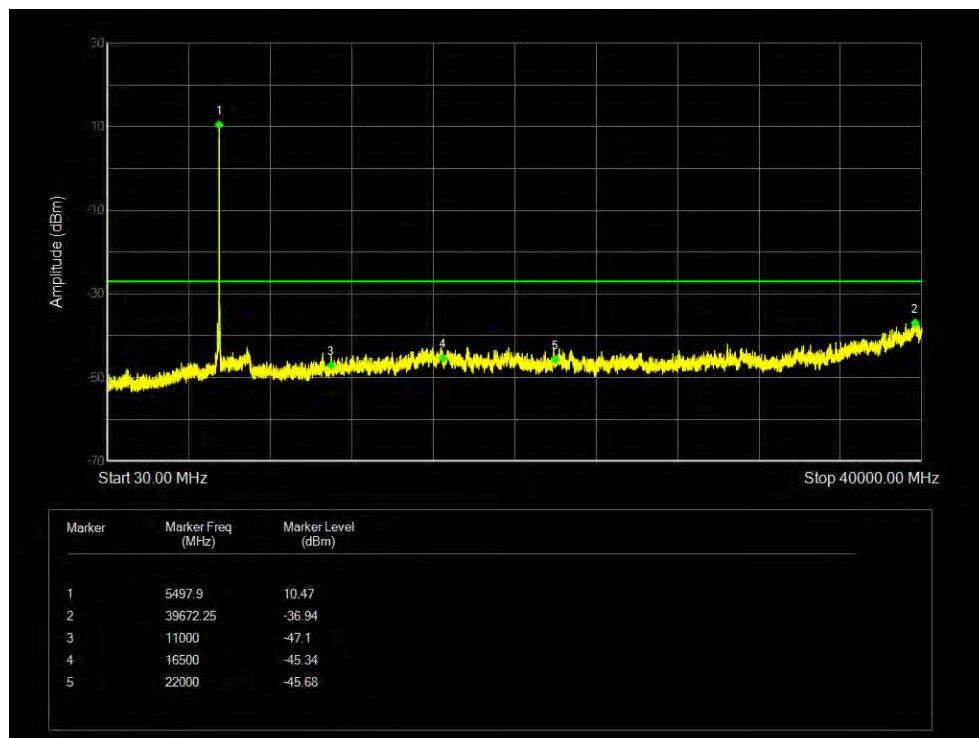
Band Edge NVNT 802.11n(HT40) 5670MHz High Ant1



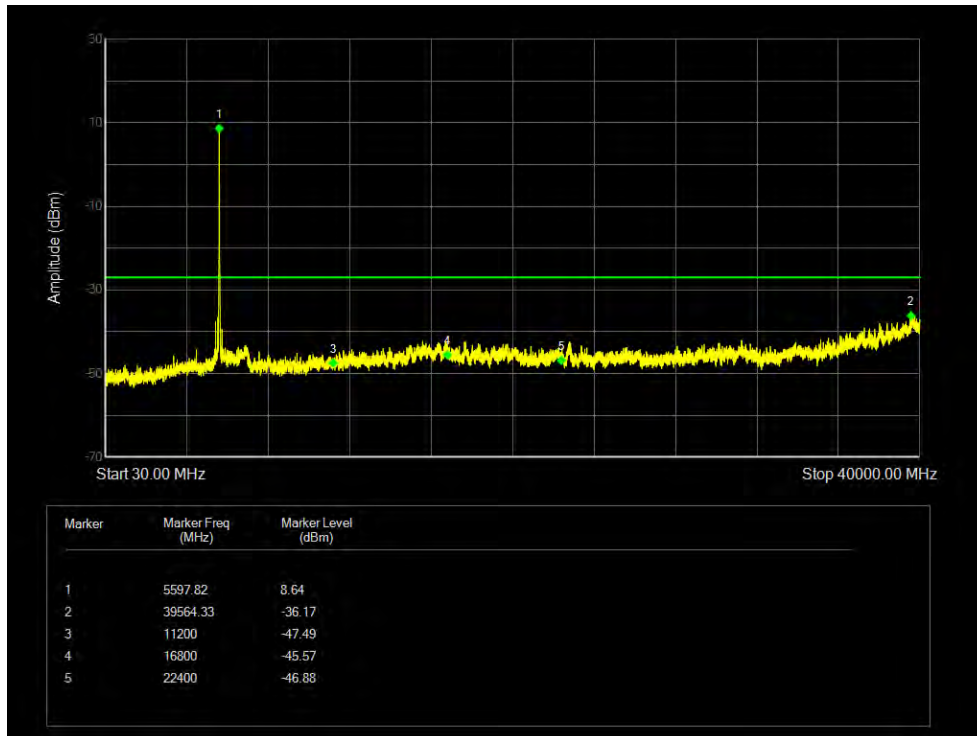
## Conducted RF Spurious Emission

| Condition | Mode          | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|---------------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | 802.11a       | 5500            | Ant 1   | -36.94          | -27         | Pass    |
| NVNT      | 802.11a       | 5600            | Ant 1   | -36.17          | -27         | Pass    |
| NVNT      | 802.11a       | 5700            | Ant 1   | -35.95          | -27         | Pass    |
| NVNT      | 802.11ac20    | 5500            | Ant 1   | -36.36          | -27         | Pass    |
| NVNT      | 802.11ac20    | 5600            | Ant 1   | -35.14          | -27         | Pass    |
| NVNT      | 802.11ac20    | 5700            | Ant 1   | -32.2           | -27         | Pass    |
| NVNT      | 802.11ac40    | 5510            | Ant 1   | -35.31          | -27         | Pass    |
| NVNT      | 802.11ac40    | 5590            | Ant 1   | -35.37          | -27         | Pass    |
| NVNT      | 802.11ac40    | 5670            | Ant 1   | -38.1           | -27         | Pass    |
| NVNT      | 802.11ac80    | 5530            | Ant 1   | -36.45          | -27         | Pass    |
| NVNT      | 802.11ac80    | 5610            | Ant 1   | -35.63          | -27         | Pass    |
| NVNT      | 802.11n(HT20) | 5500            | Ant 1   | -31.1           | -27         | Pass    |
| NVNT      | 802.11n(HT20) | 5600            | Ant 1   | -31.43          | -27         | Pass    |
| NVNT      | 802.11n(HT20) | 5700            | Ant 1   | -35.77          | -27         | Pass    |
| NVNT      | 802.11n(HT40) | 5510            | Ant 1   | -36.46          | -27         | Pass    |
| NVNT      | 802.11n(HT40) | 5590            | Ant 1   | -35.39          | -27         | Pass    |
| NVNT      | 802.11n(HT40) | 5670            | Ant 1   | -35.61          | -27         | Pass    |

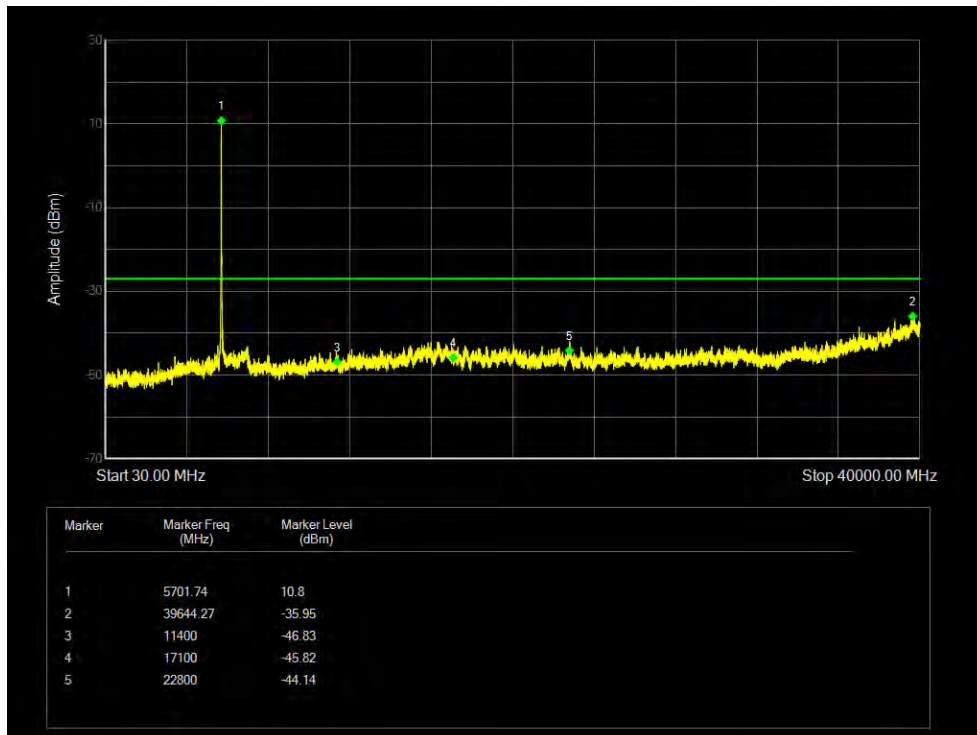
Tx. Spurious NVNT 802.11a 5500MHz Ant1 Emission



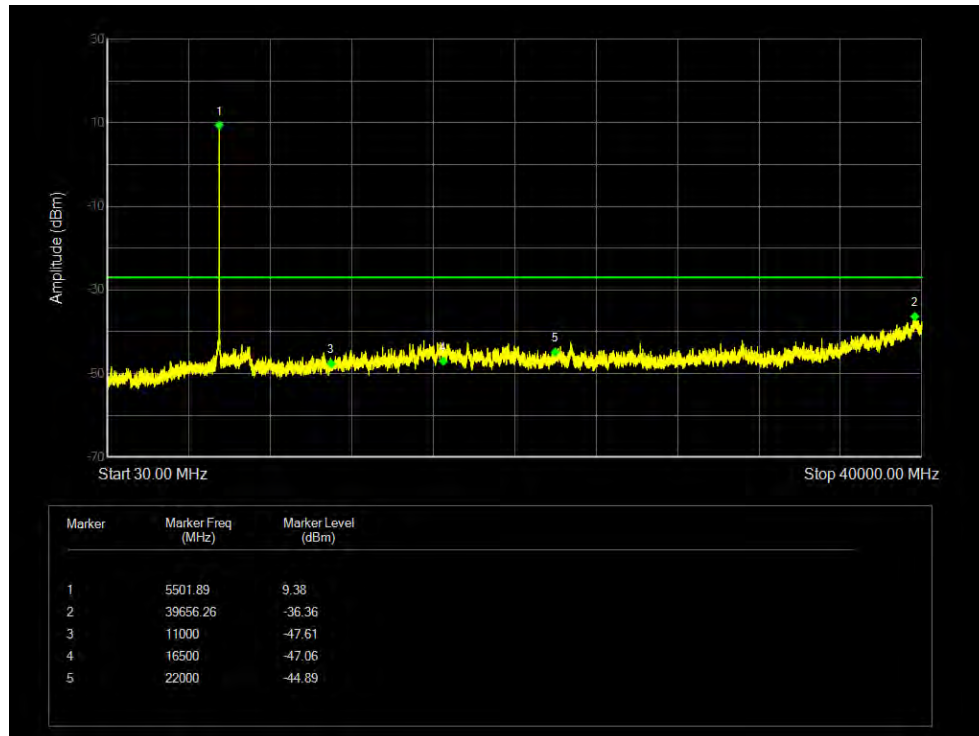
Tx. Spurious NVNT 802.11a 5600MHz Ant1 Emission



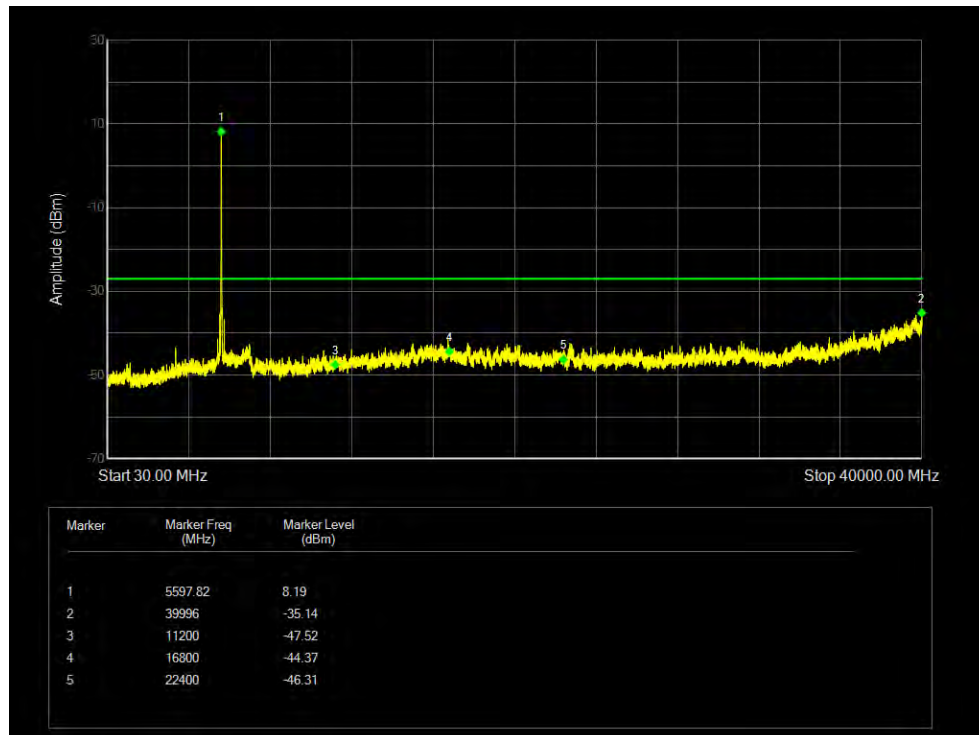
Tx. Spurious NVNT 802.11a 5700MHz Ant1 Emission



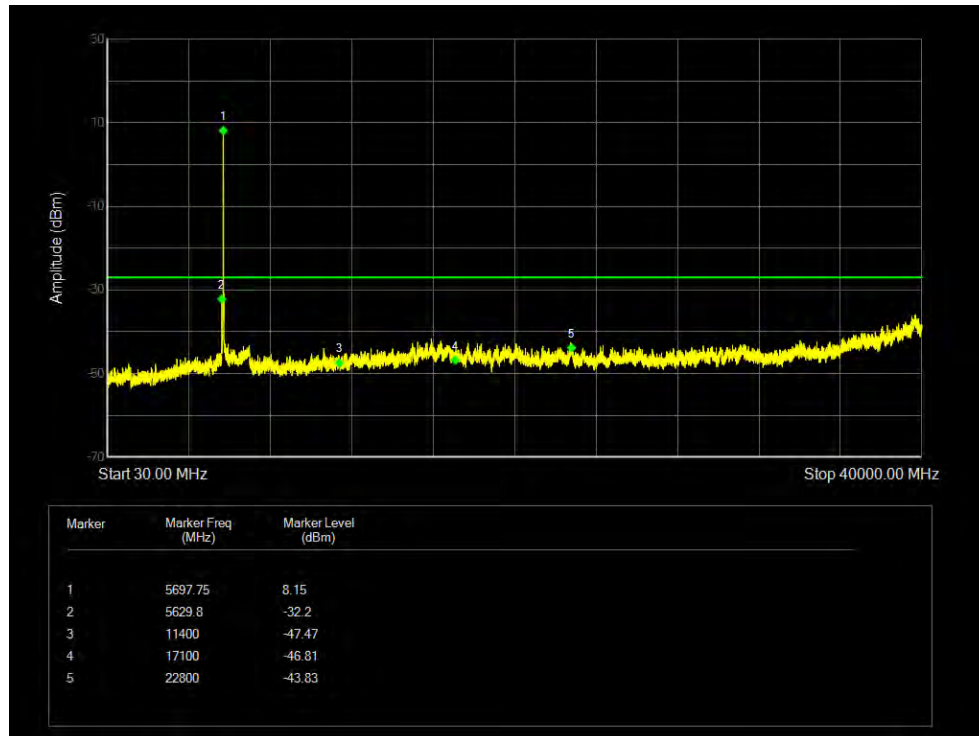
Tx. Spurious NVNT 802.11ac20 5500MHz Ant1 Emission



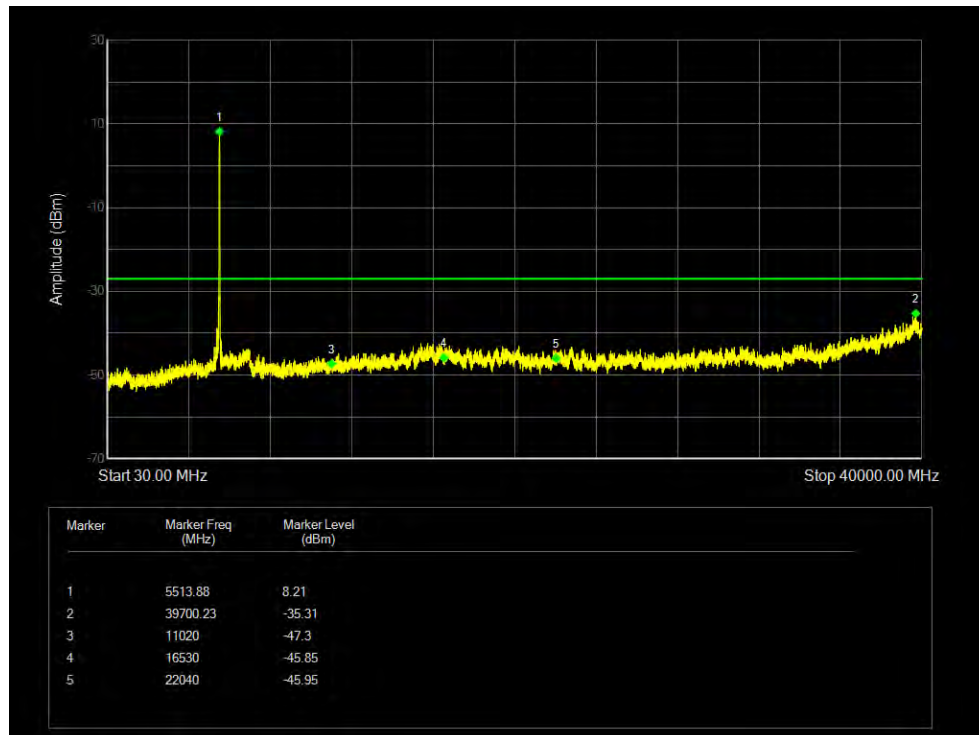
Tx. Spurious NVNT 802.11ac20 5600MHz Ant1 Emission



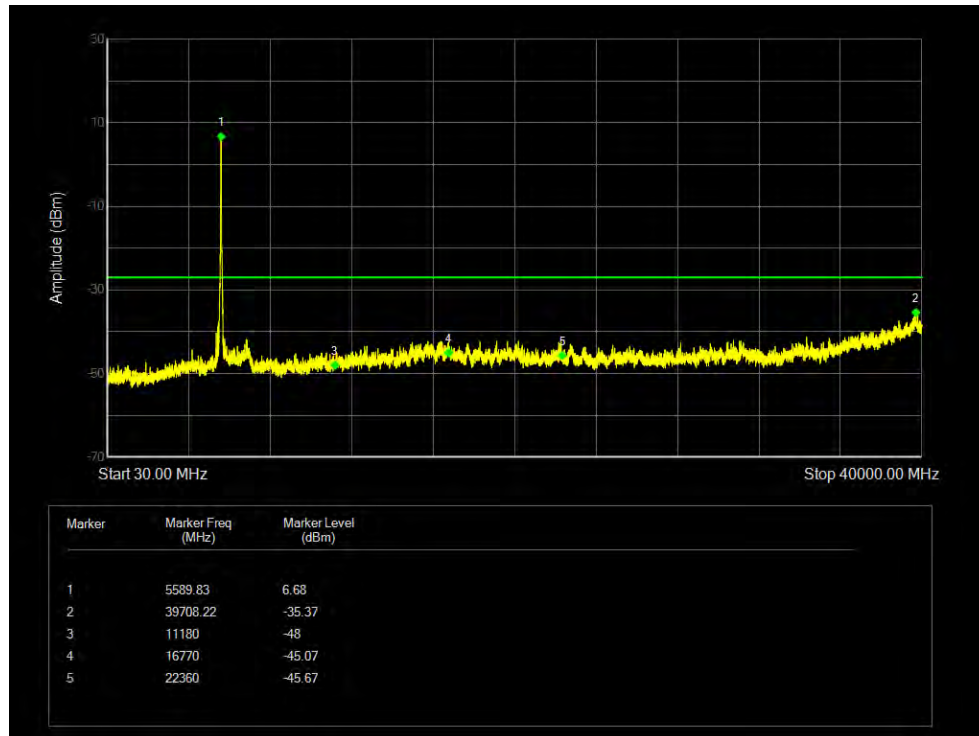
Tx. Spurious NVNT 802.11ac20 5700MHz Ant1 Emission



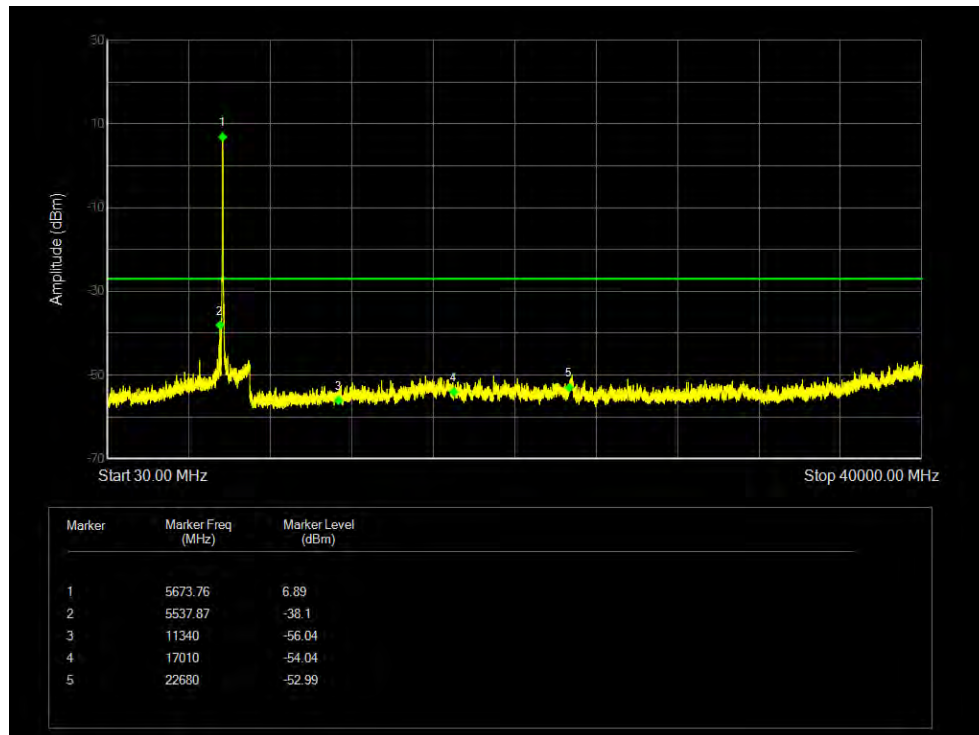
Tx. Spurious NVNT 802.11ac40 5510MHz Ant1 Emission



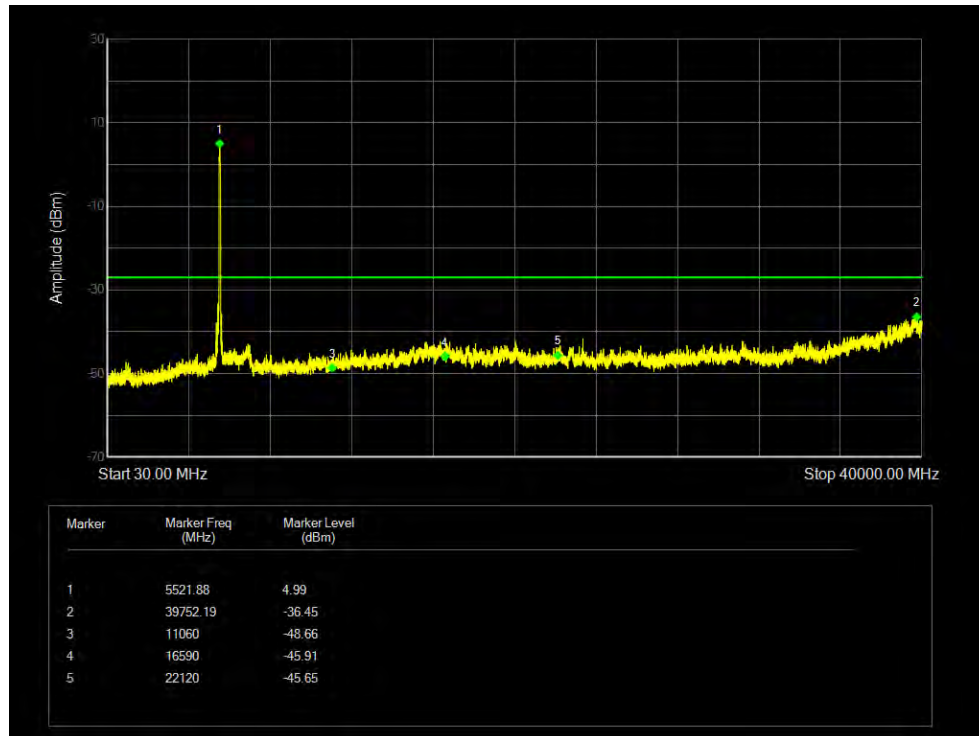
Tx. Spurious NVNT 802.11ac40 5590MHz Ant1 Emission



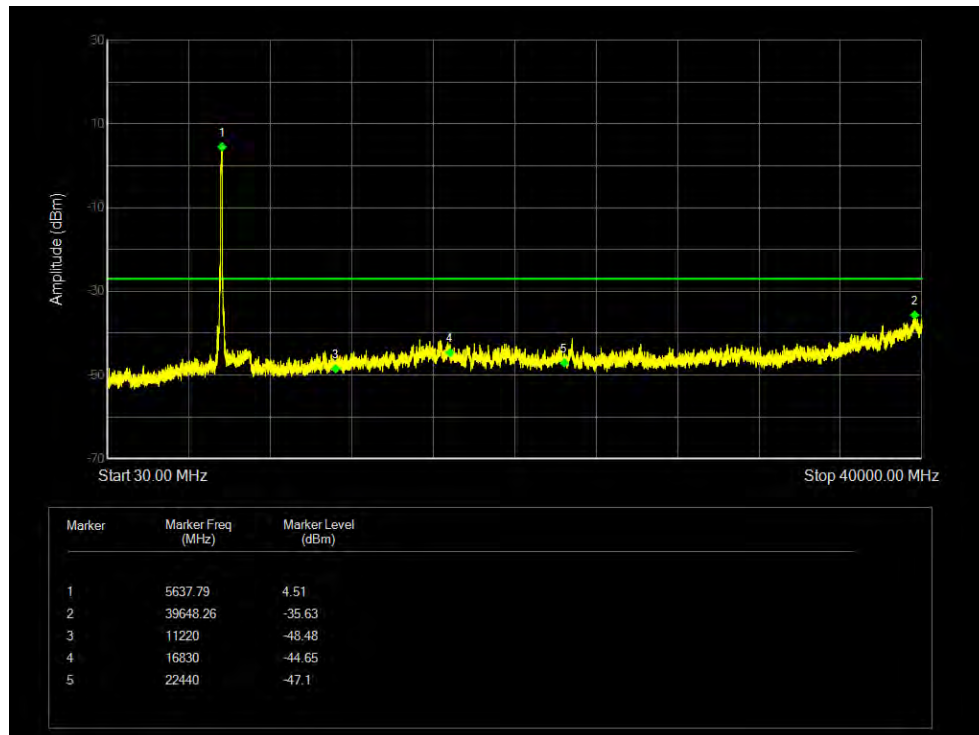
Tx. Spurious NVNT 802.11ac40 5670MHz Ant1 Emission



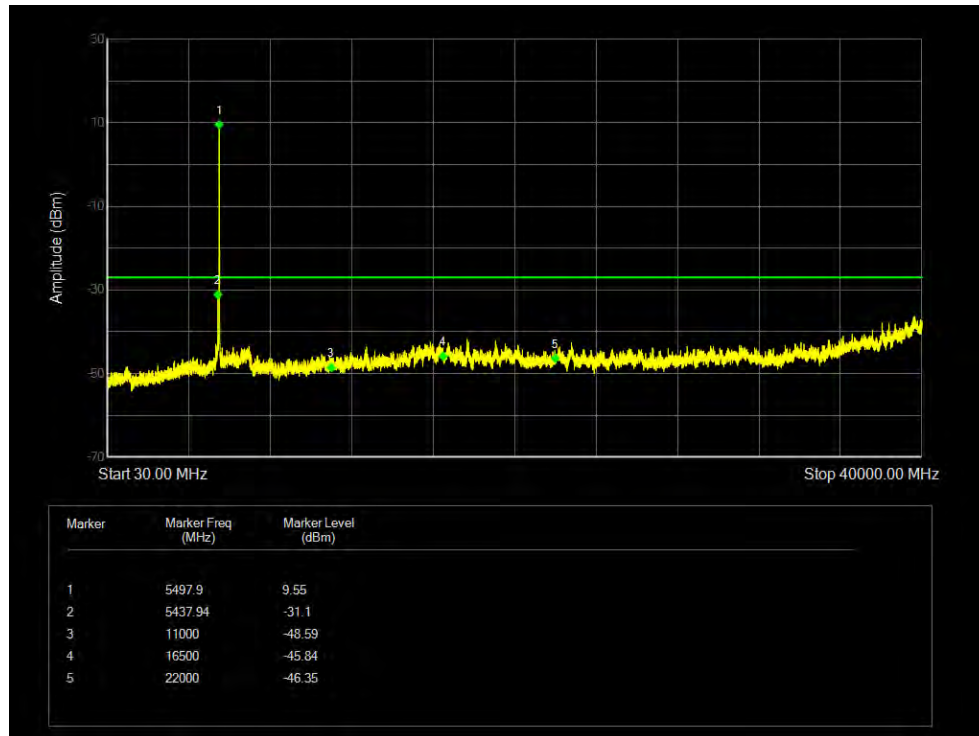
Tx. Spurious NVNT 802.11ac80 5530MHz Ant1 Emission



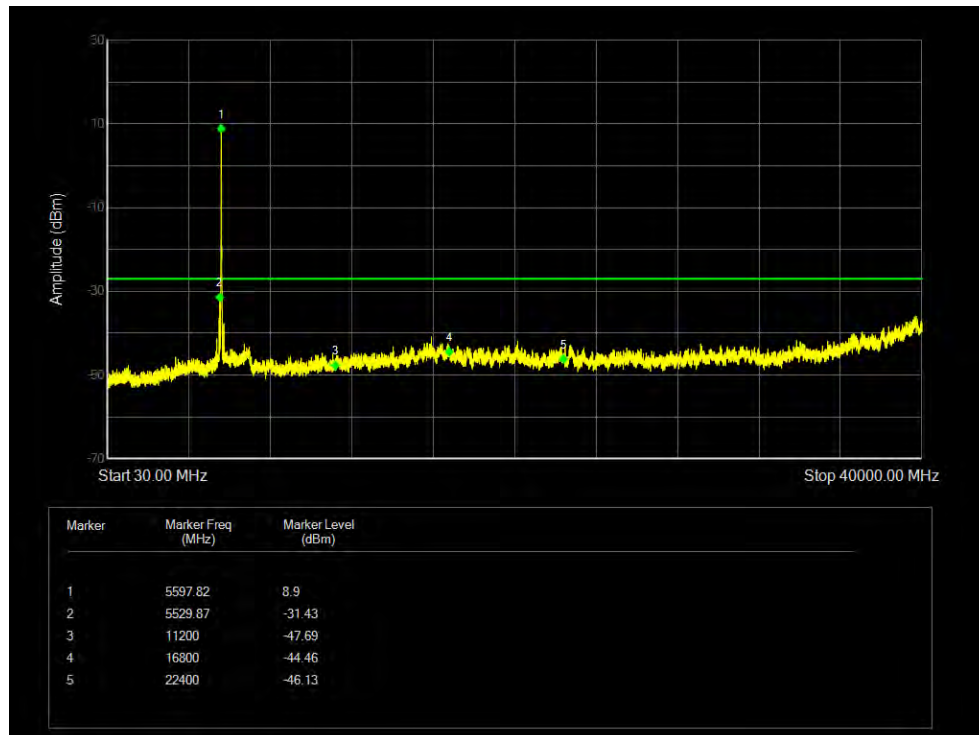
Tx. Spurious NVNT 802.11ac80 5610MHz Ant1 Emission



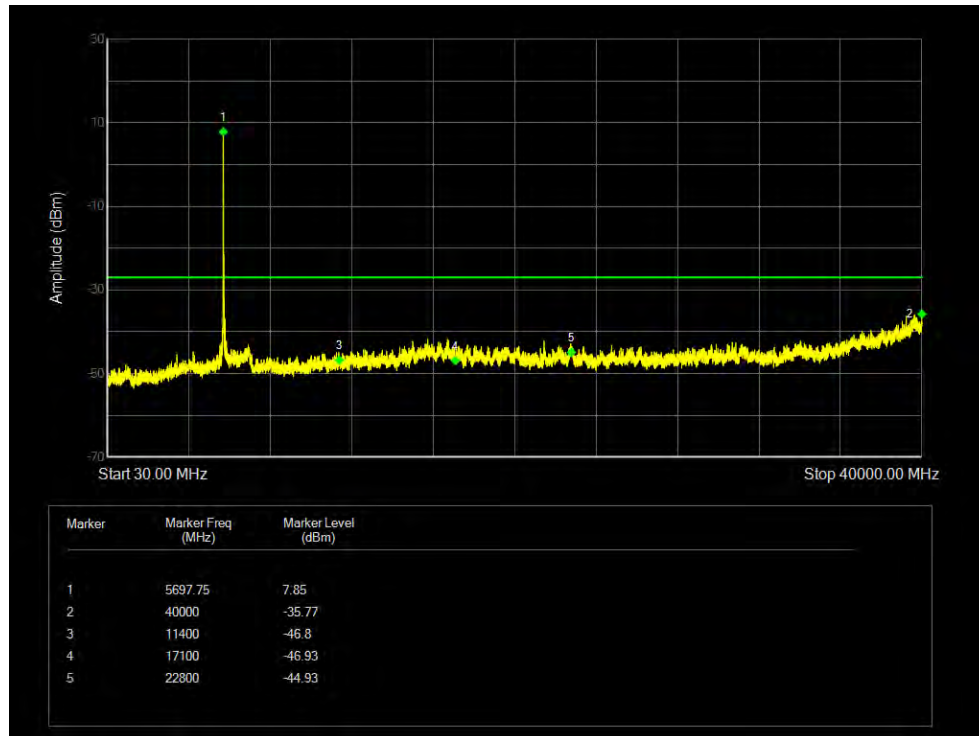
Tx. Spurious NVNT 802.11n(HT20) 5500MHz Ant1 Emission



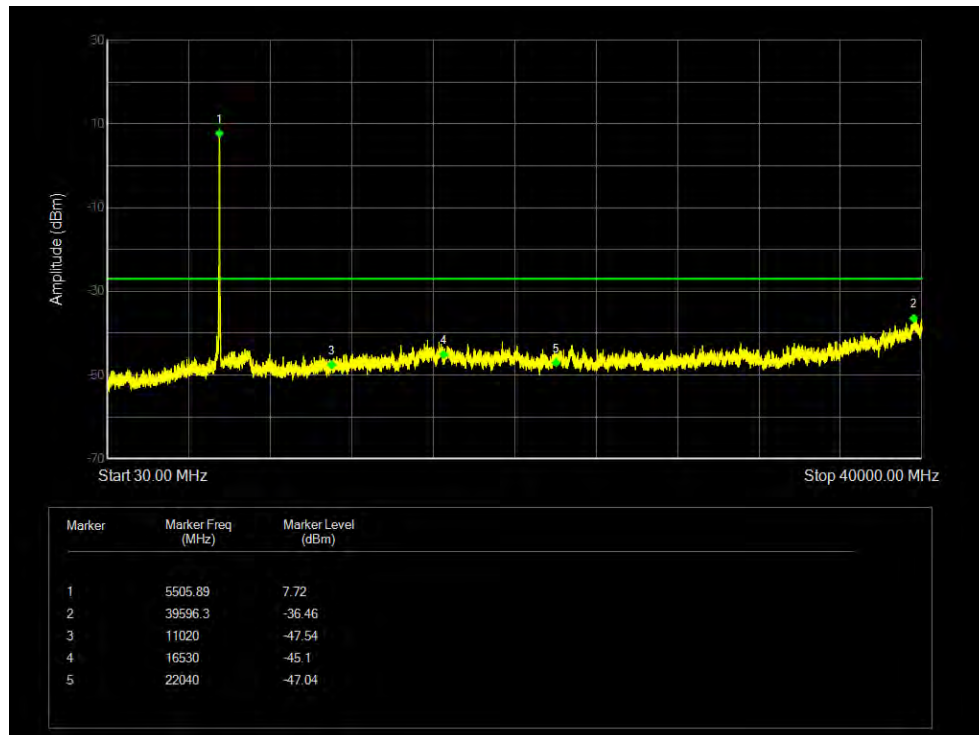
Tx. Spurious NVNT 802.11n(HT20) 5600MHz Ant1 Emission



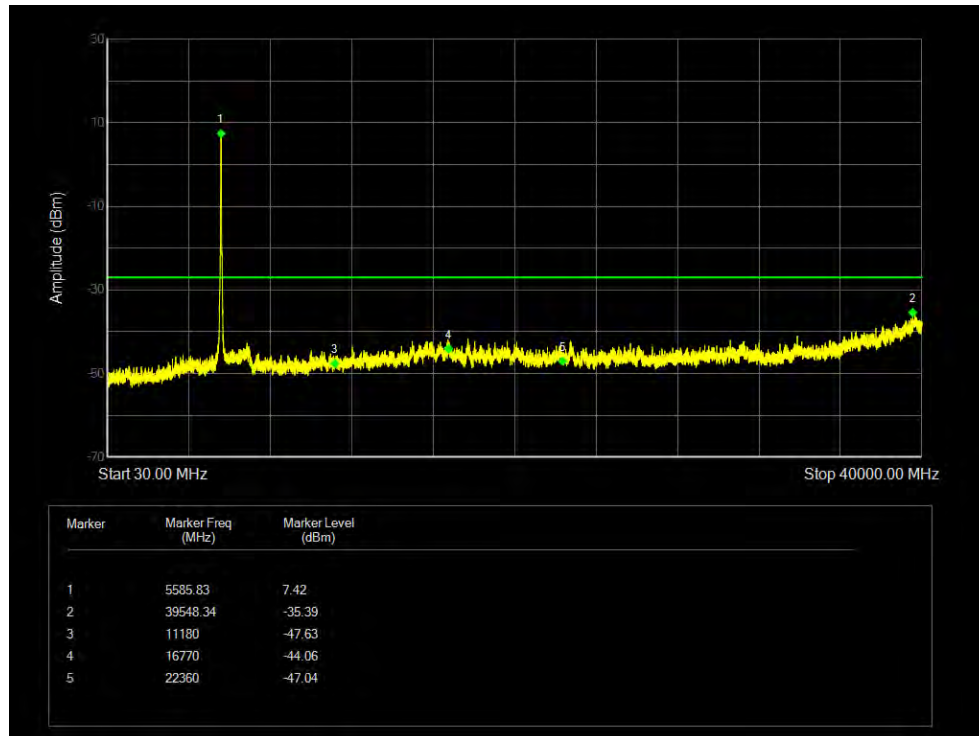
Tx. Spurious NVNT 802.11n(HT20) 5700MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT40) 5510MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT40) 5590MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT40) 5670MHz Ant1 Emission

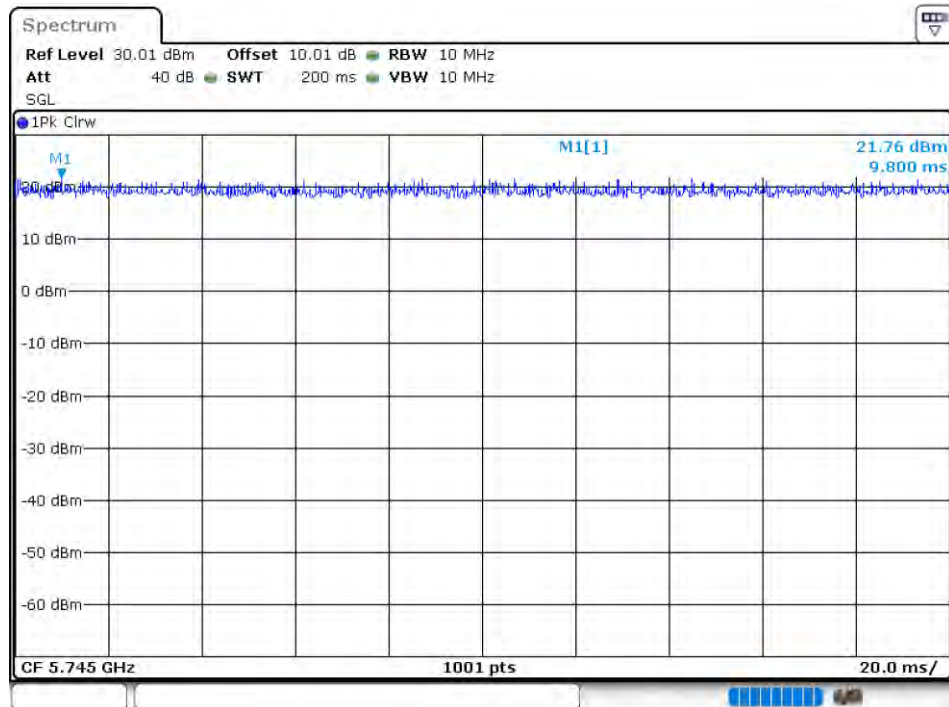


## 5.8G WIFI:

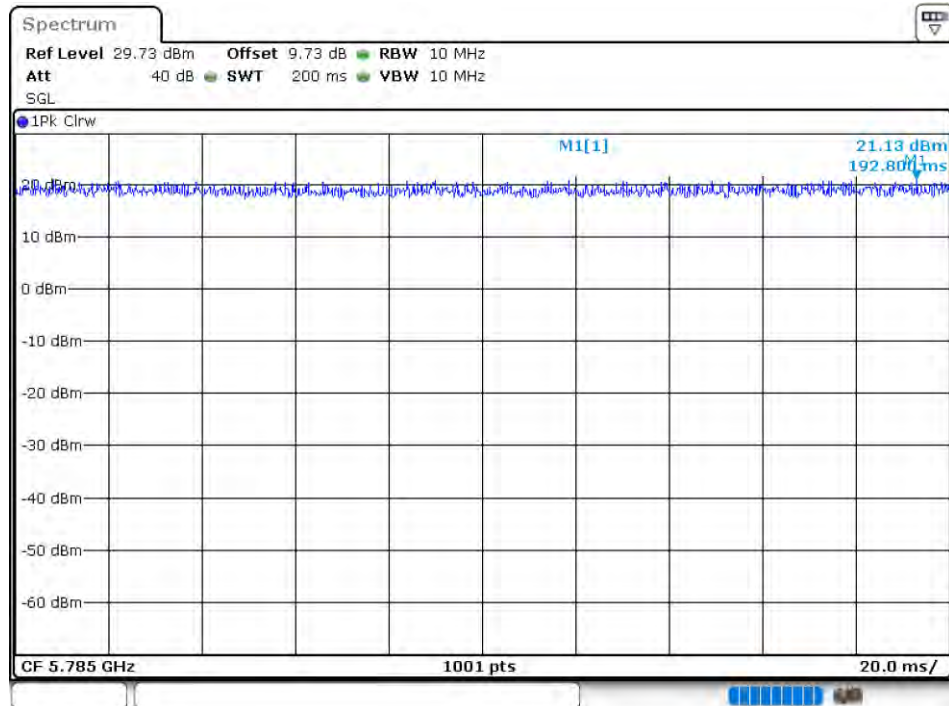
### Duty Cycle

| Condition | Mode          | Frequency (MHz) | Duty Cycle (%) | Correction Factor (dB) |
|-----------|---------------|-----------------|----------------|------------------------|
| NVNT      | 802.11a       | 5745            | 100            | 0                      |
| NVNT      | 802.11a       | 5785            | 100            | 0                      |
| NVNT      | 802.11a       | 5825            | 100            | 0                      |
| NVNT      | 802.11ac20    | 5745            | 100            | 0                      |
| NVNT      | 802.11ac20    | 5785            | 100            | 0                      |
| NVNT      | 802.11ac20    | 5825            | 100            | 0                      |
| NVNT      | 802.11ac40    | 5755            | 100            | 0                      |
| NVNT      | 802.11ac40    | 5795            | 100            | 0                      |
| NVNT      | 802.11ac80    | 5775            | 100            | 0                      |
| NVNT      | 802.11n(HT20) | 5745            | 100            | 0                      |
| NVNT      | 802.11n(HT20) | 5785            | 100            | 0                      |
| NVNT      | 802.11n(HT20) | 5825            | 100            | 0                      |
| NVNT      | 802.11n(HT40) | 5755            | 100            | 0                      |
| NVNT      | 802.11n(HT40) | 5795            | 100            | 0                      |

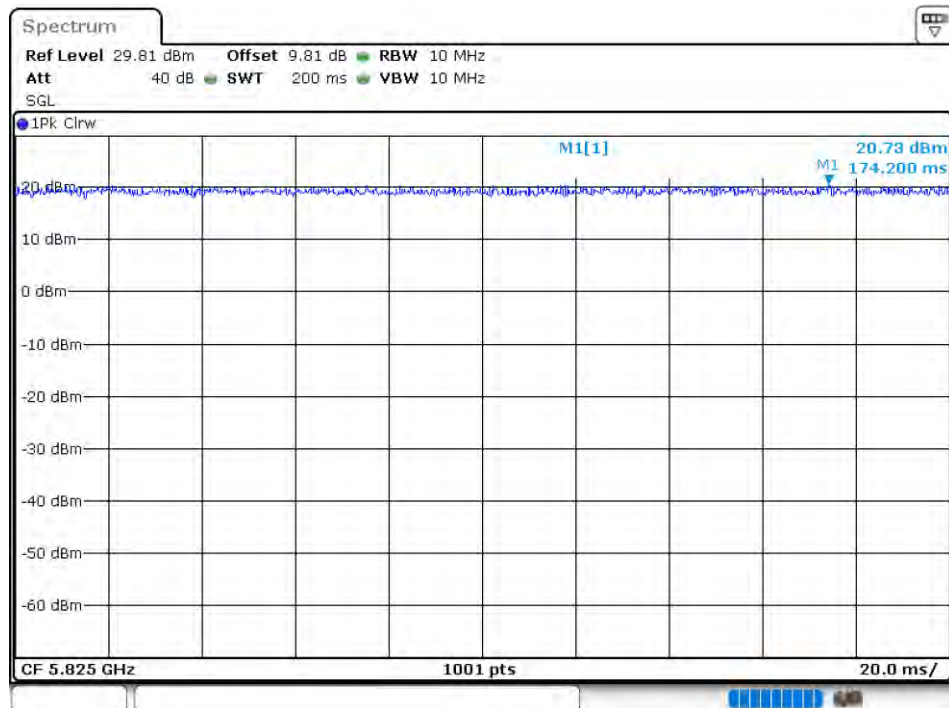
Duty Cycle NVNT 802.11a 5745MHz



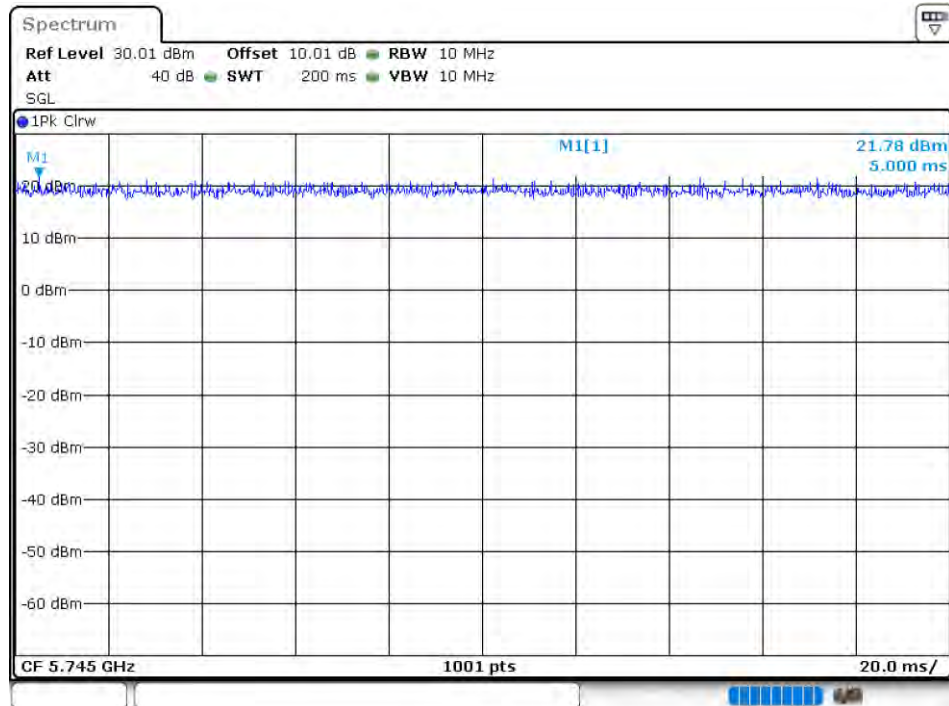
### Duty Cycle NVNT 802.11a 5785MHz



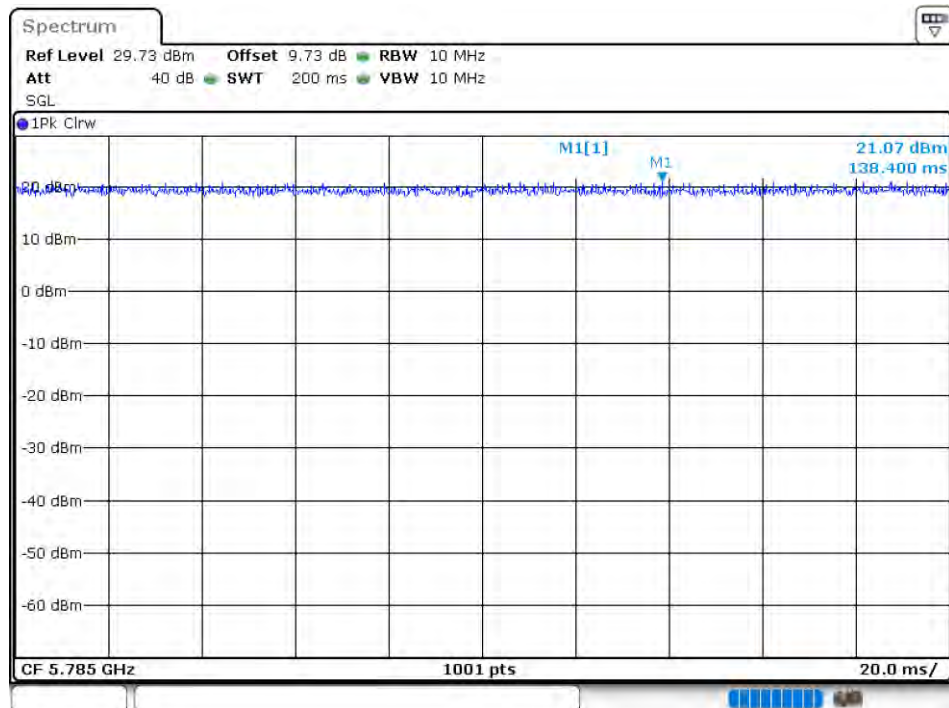
### Duty Cycle NVNT 802.11a 5825MHz



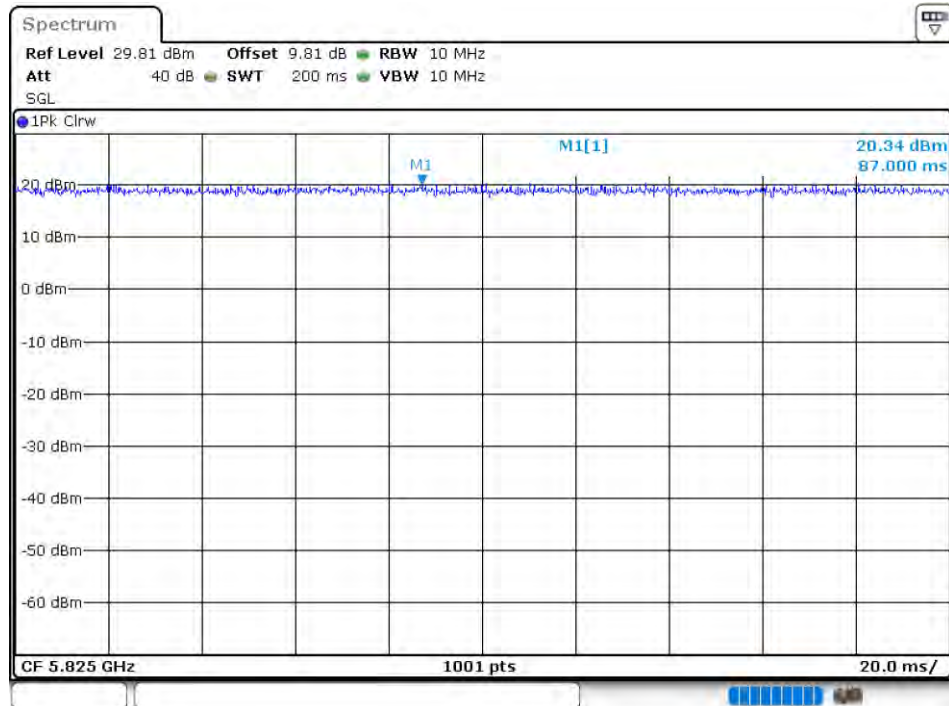
### Duty Cycle NVNT 802.11ac20 5745MHz



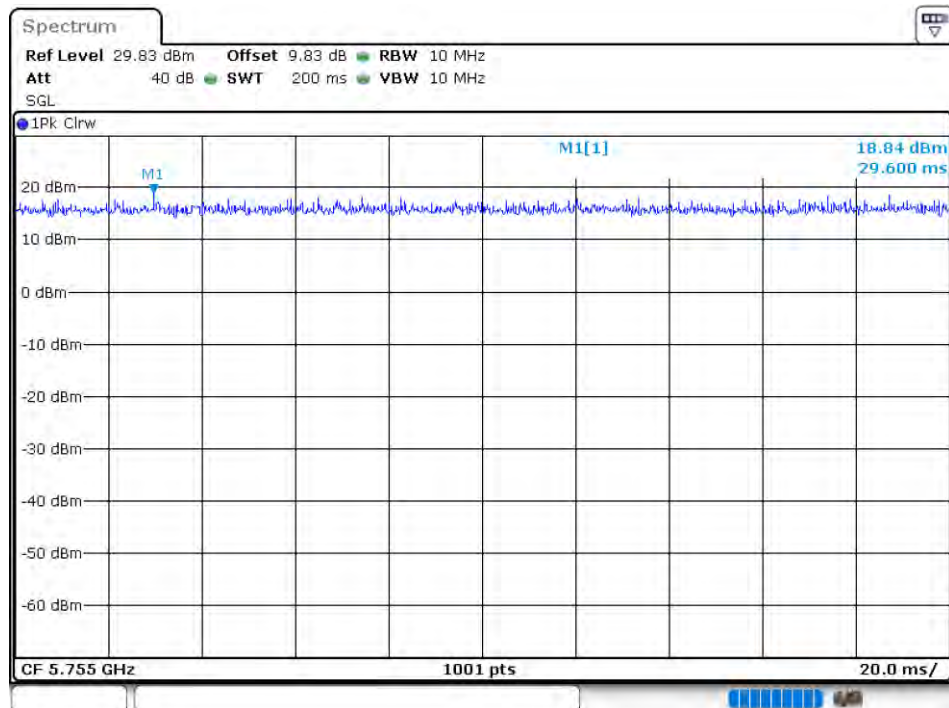
### Duty Cycle NVNT 802.11ac20 5785MHz



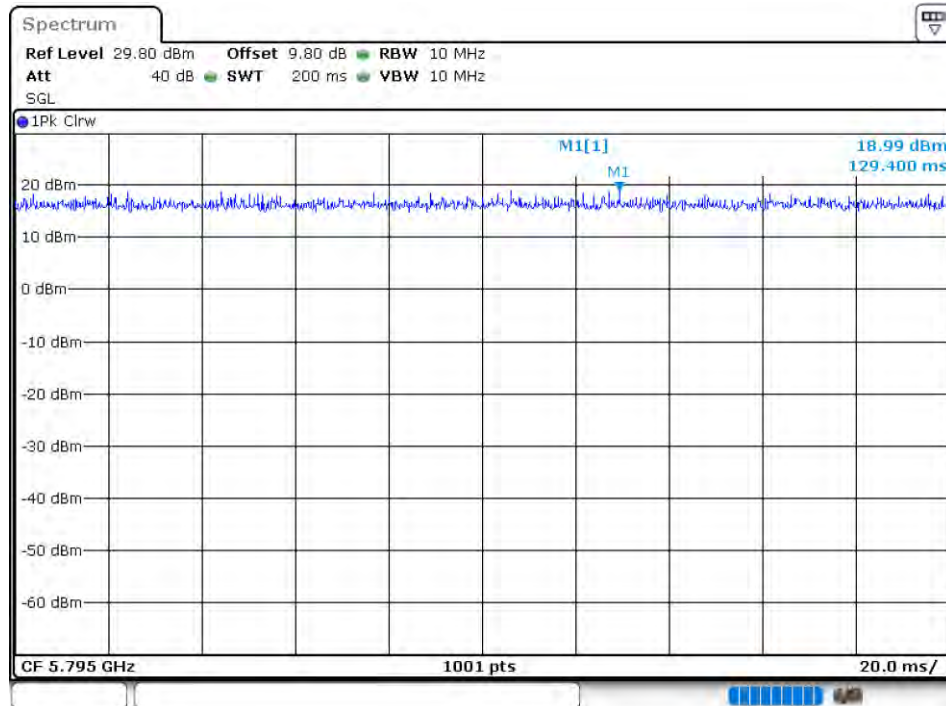
### Duty Cycle NVNT 802.11ac20 5825MHz



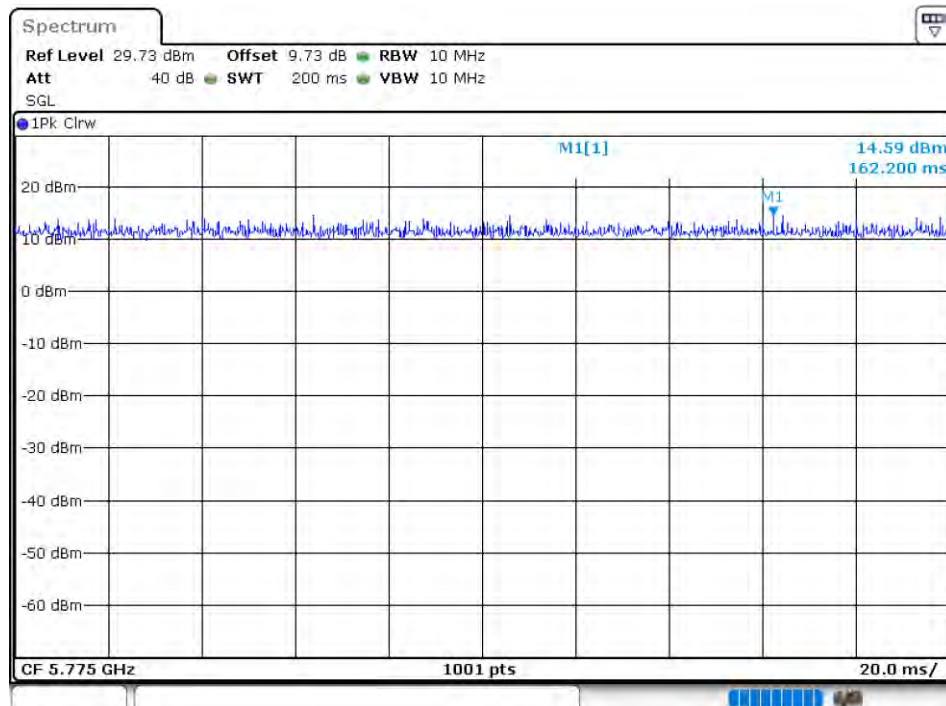
### Duty Cycle NVNT 802.11ac40 5755MHz



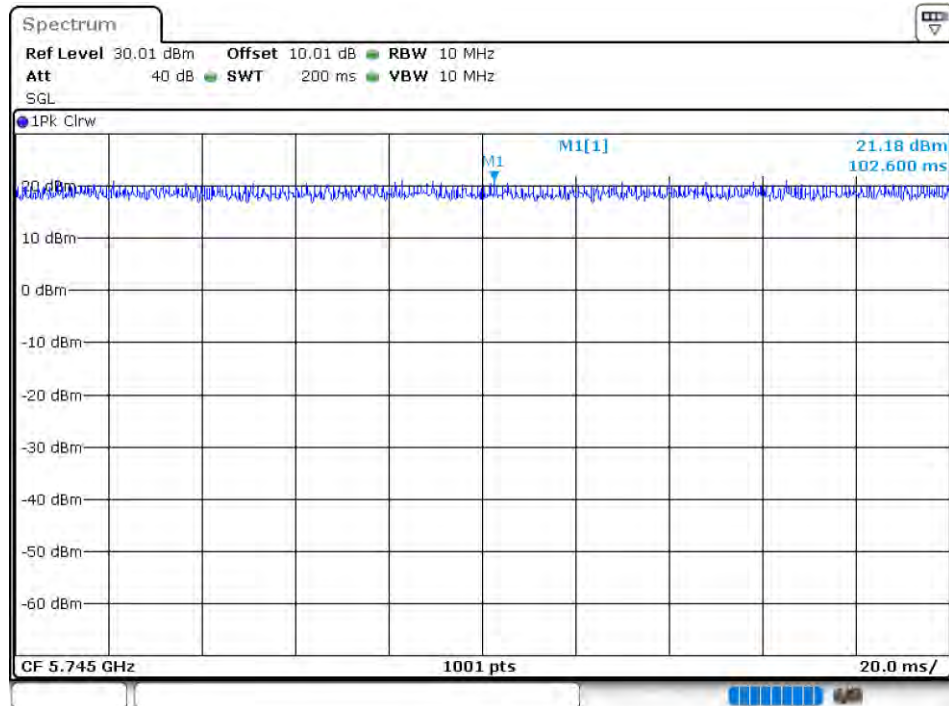
### Duty Cycle NVNT 802.11ac40 5795MHz



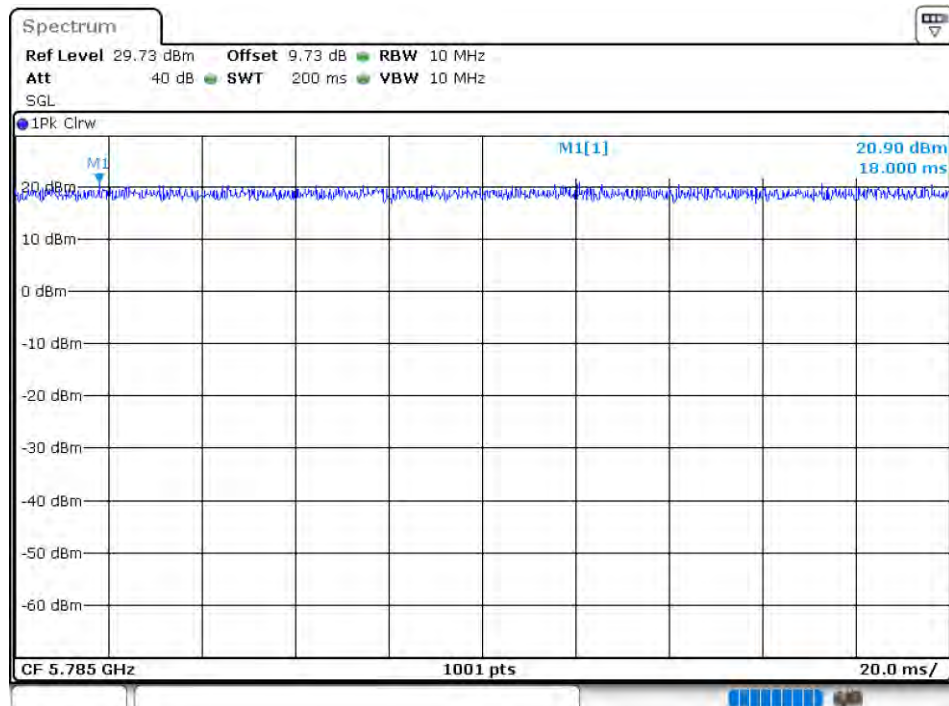
### Duty Cycle NVNT 802.11ac80 5775MHz



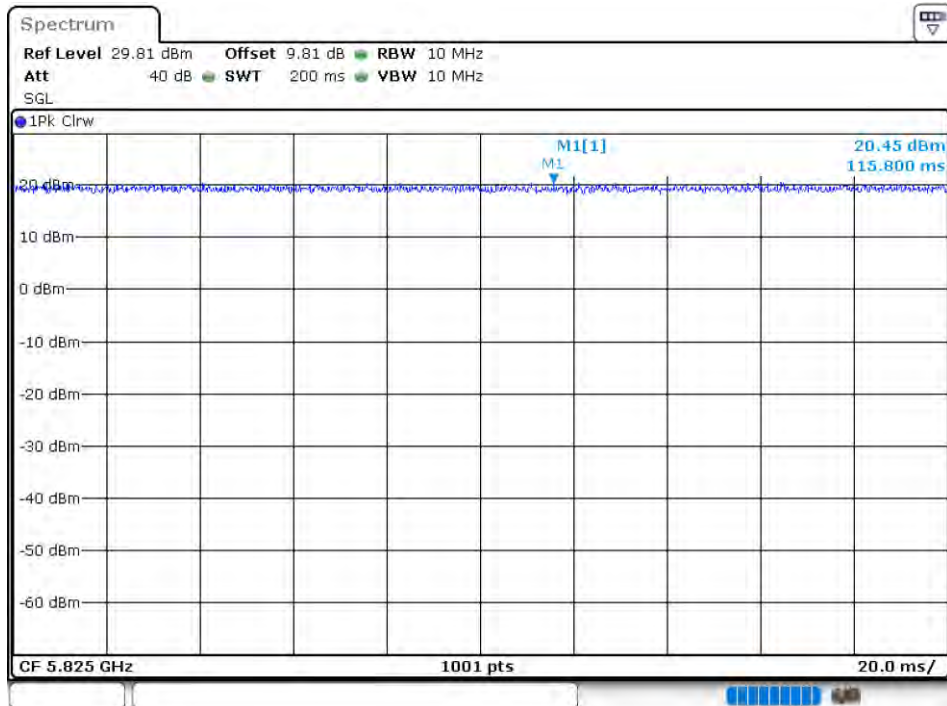
### Duty Cycle NVNT 802.11n(HT20) 5745MHz



### Duty Cycle NVNT 802.11n(HT20) 5785MHz



### Duty Cycle NVNT 802.11n(HT20) 5825MHz



### Duty Cycle NVNT 802.11n(HT40) 5755MHz

