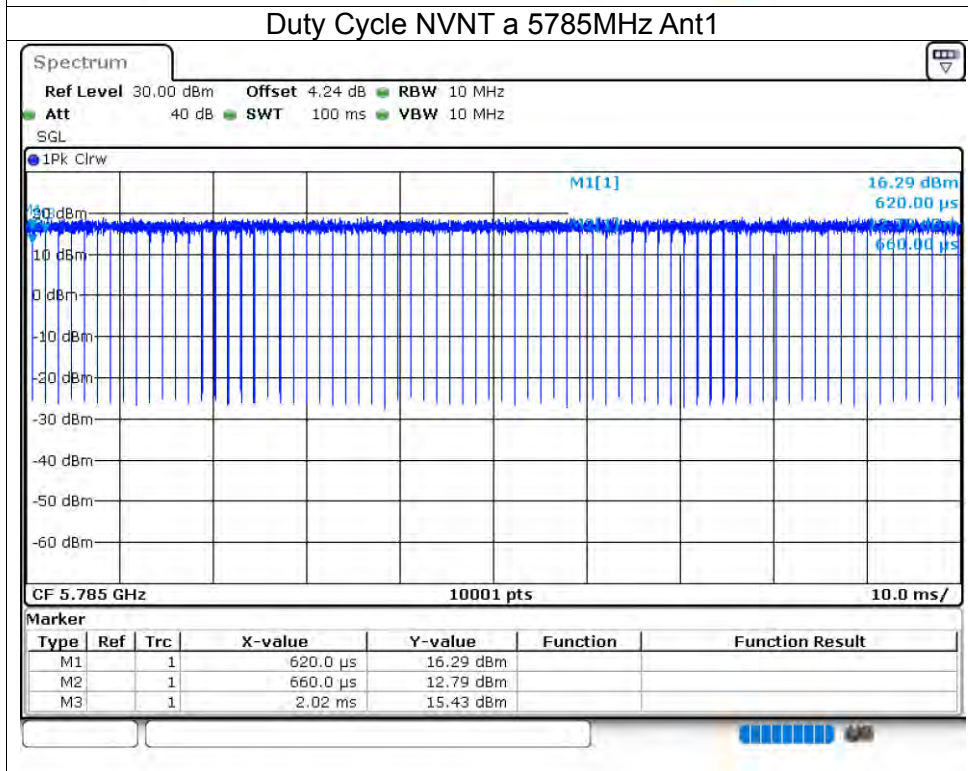
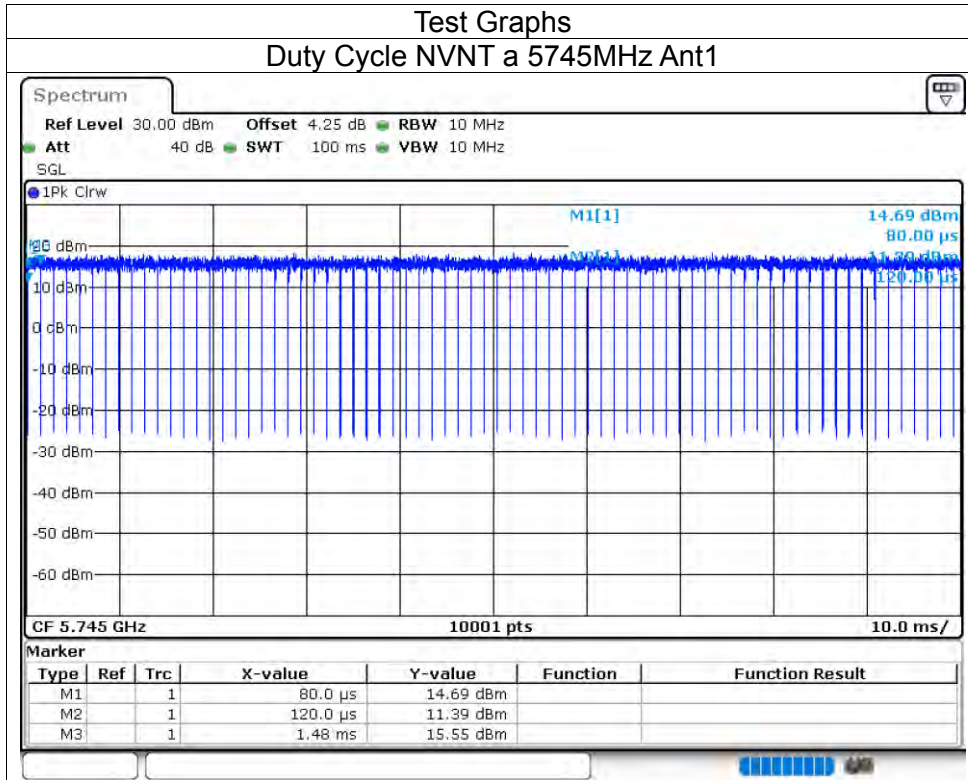


**5.8G WIFI**

**5.1 DUTY CYCLE**

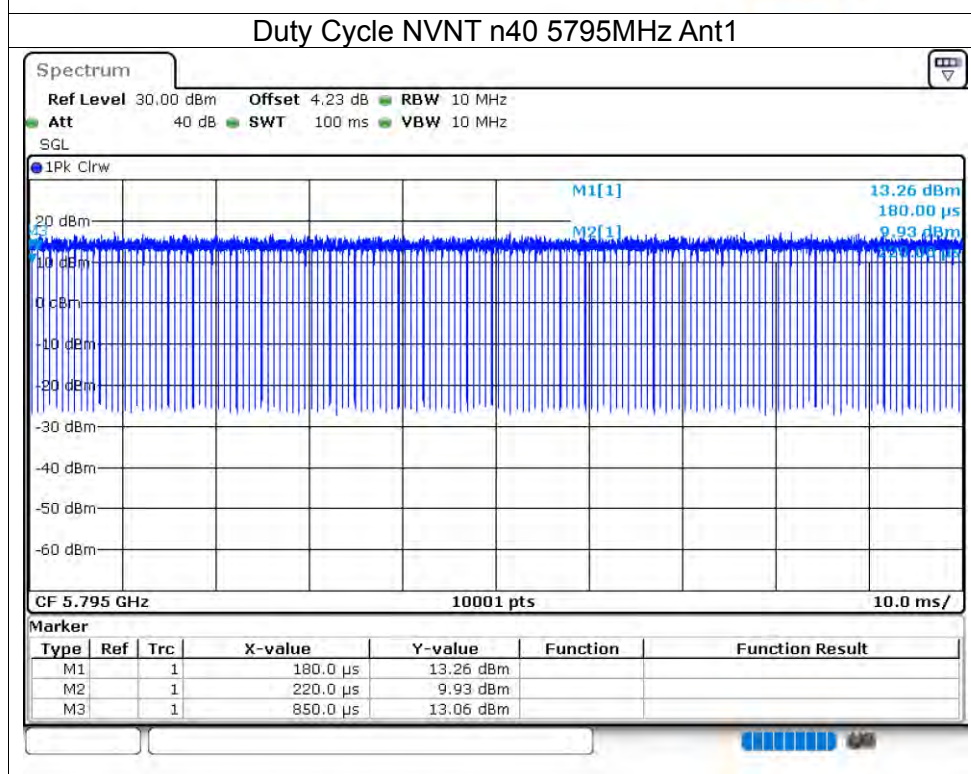
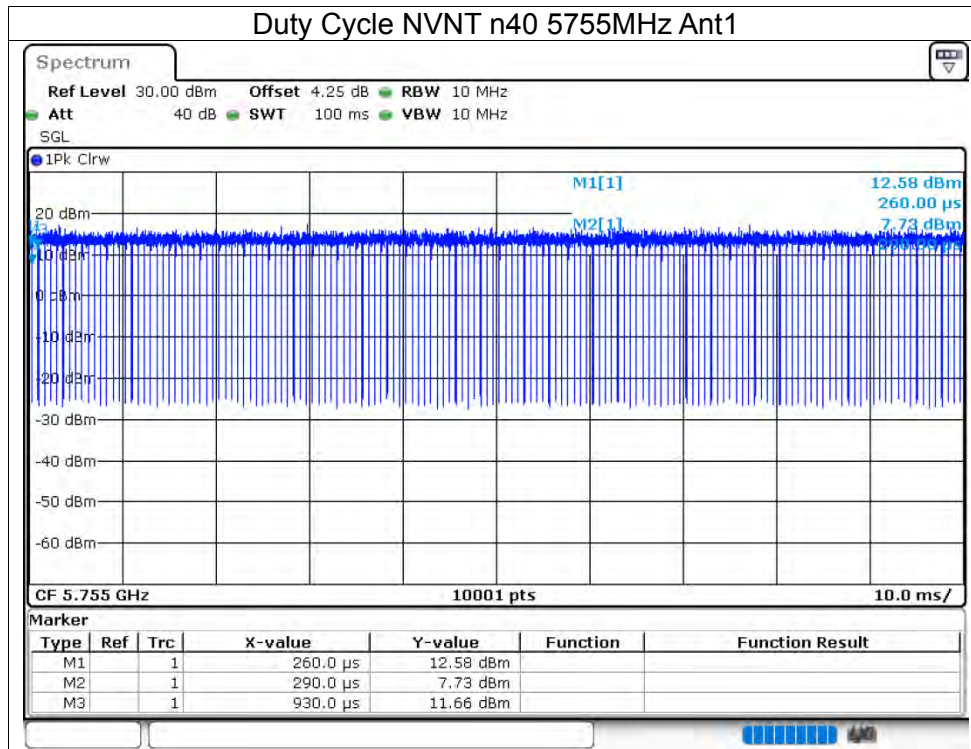
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | a    | 5745            | Ant1    | 98.13          | 0.08                   | 0.74      |
| NVNT      | a    | 5785            | Ant1    | 98.13          | 0.08                   | 0.74      |
| NVNT      | a    | 5825            | Ant1    | 98.14          | 0.08                   | 0.74      |
| NVNT      | n20  | 5745            | Ant1    | 98.01          | 0.09                   | 0.79      |
| NVNT      | n20  | 5785            | Ant1    | 98.04          | 0.09                   | 0.79      |
| NVNT      | n20  | 5825            | Ant1    | 98.03          | 0.09                   | 0.79      |
| NVNT      | n40  | 5755            | Ant1    | 96.24          | 0.17                   | 1.56      |
| NVNT      | n40  | 5795            | Ant1    | 96.25          | 0.17                   | 1.59      |
| NVNT      | ac20 | 5745            | Ant1    | 98.03          | 0.09                   | 0.78      |
| NVNT      | ac20 | 5785            | Ant1    | 98.02          | 0.09                   | 0.78      |
| NVNT      | ac20 | 5825            | Ant1    | 98.03          | 0.09                   | 0.78      |
| NVNT      | ac40 | 5755            | Ant1    | 96.29          | 0.16                   | 1.56      |
| NVNT      | ac40 | 5795            | Ant1    | 96.3           | 0.16                   | 1.56      |
| NVNT      | ac80 | 5775            | Ant1    | 92.65          | 0.33                   | 3.23      |

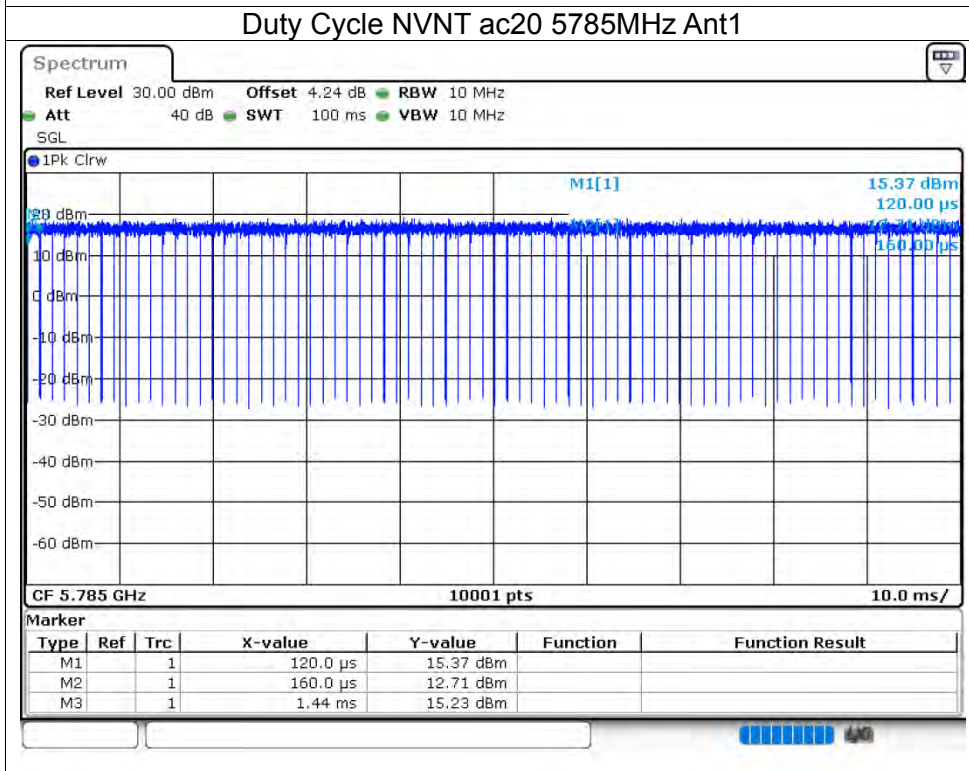
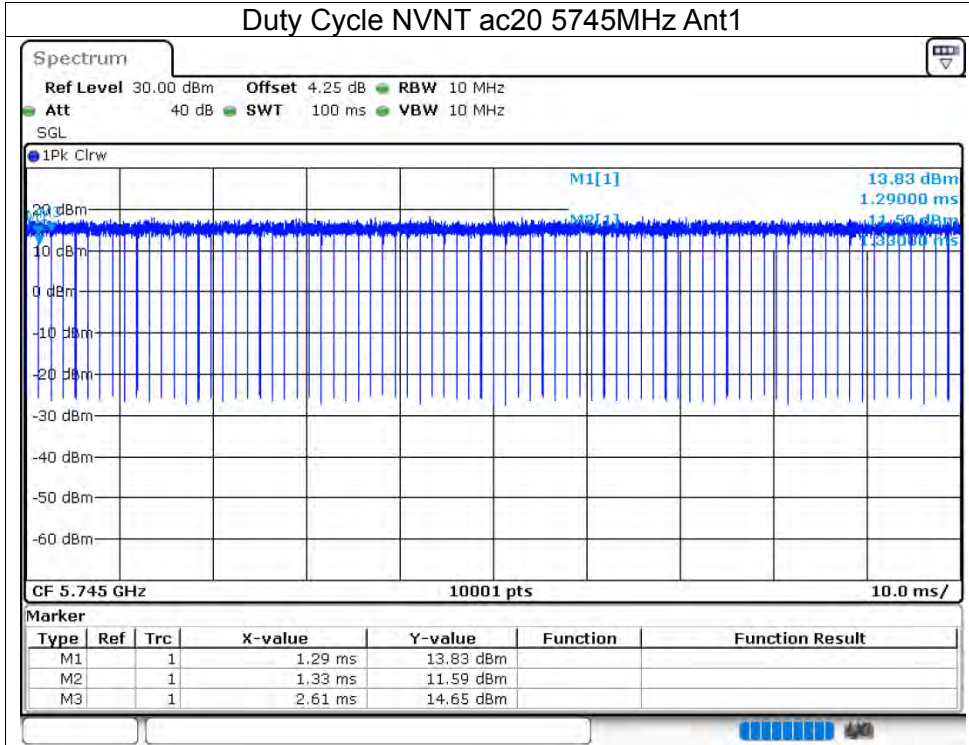


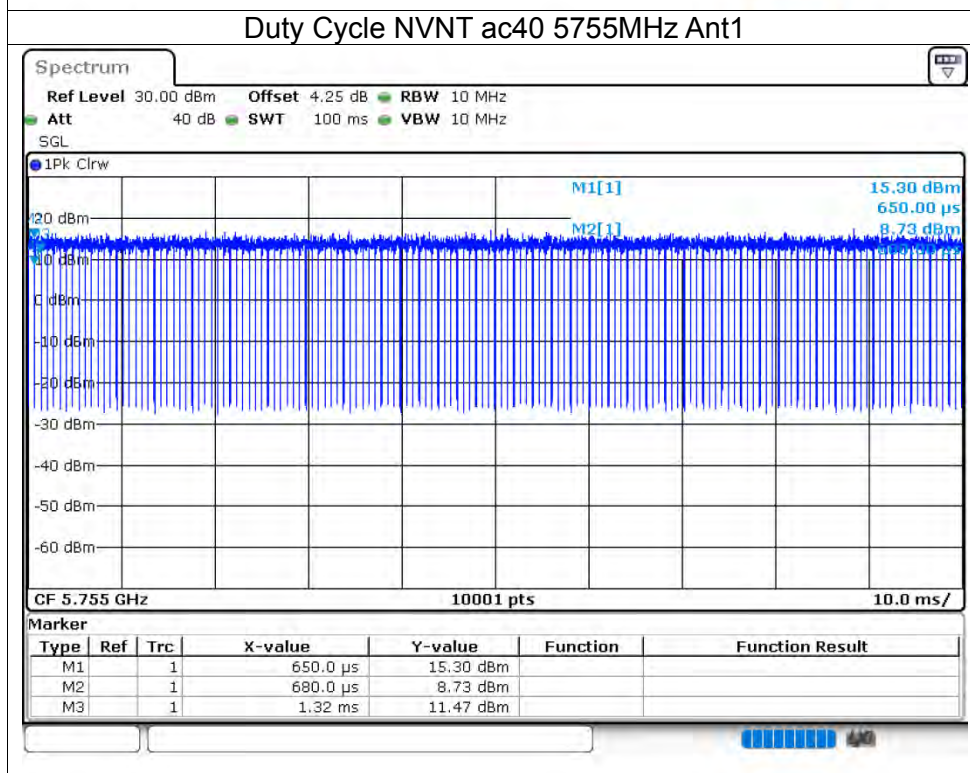
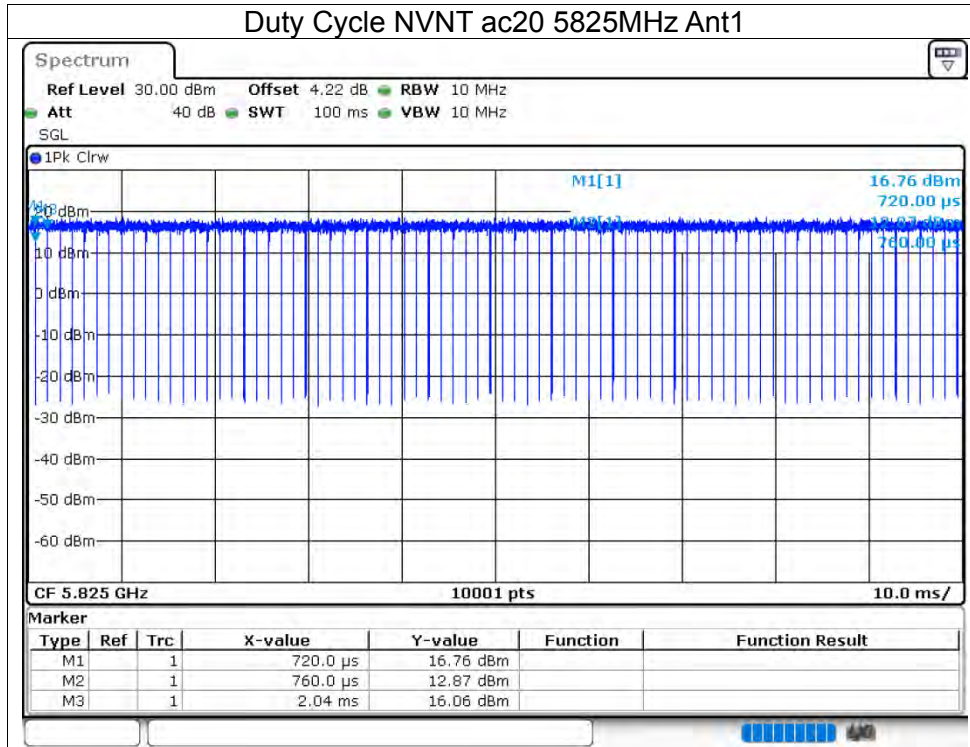


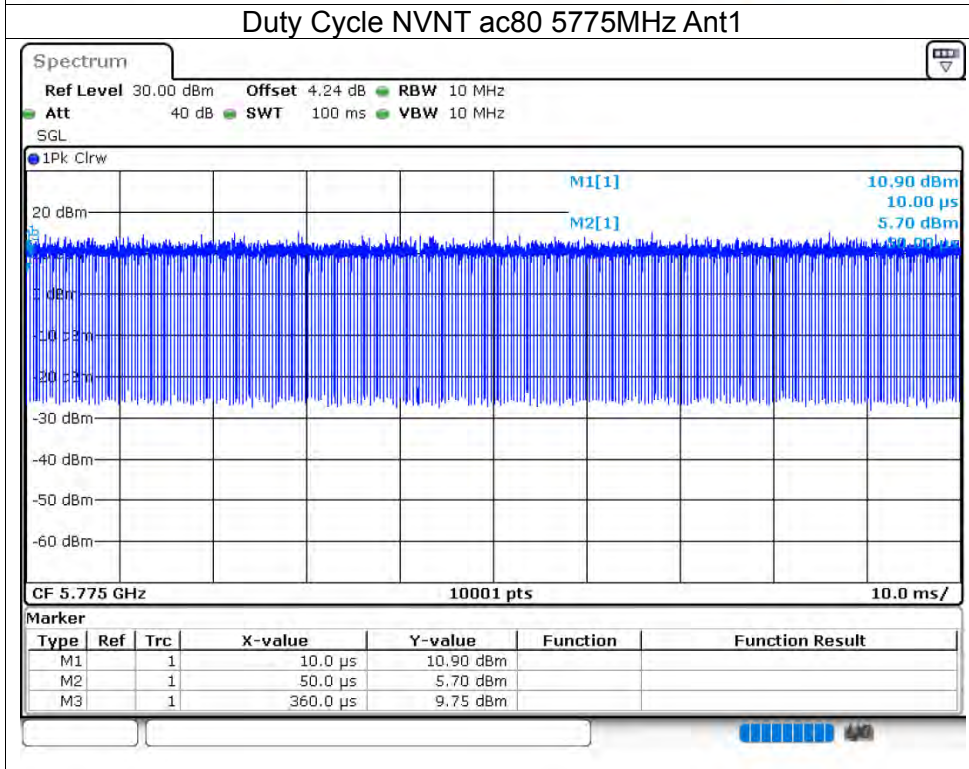
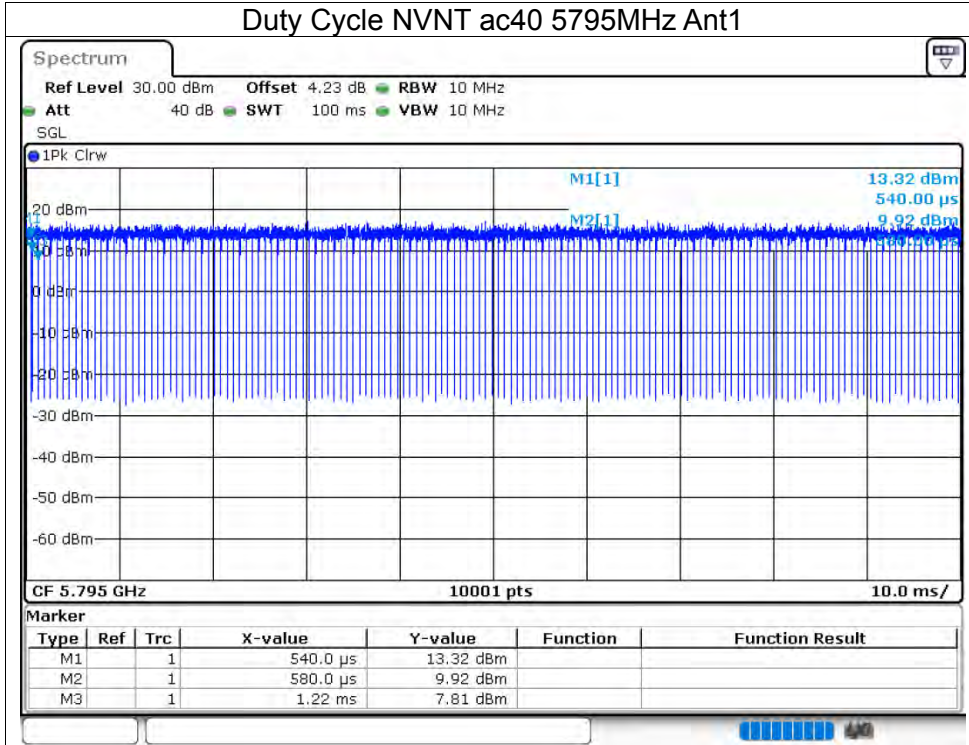












## 5.2 MAXIMUM CONDUCTED OUTPUT POWER

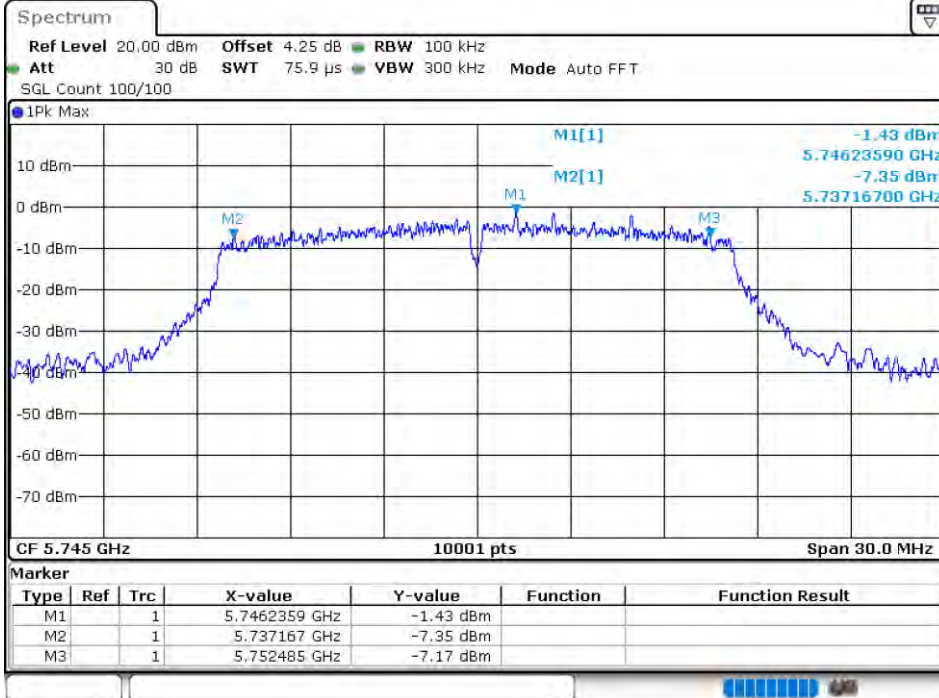
| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-------------|---------|
| NVNT      | a    | 5745            | Ant1    | 11.66                 | 30          | Pass    |
| NVNT      | a    | 5785            | Ant1    | 12.1                  | 30          | Pass    |
| NVNT      | a    | 5825            | Ant1    | 12.7                  | 30          | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 11.47                 | 30          | Pass    |
| NVNT      | n20  | 5785            | Ant1    | 12.04                 | 30          | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 12.52                 | 30          | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 11.51                 | 30          | Pass    |
| NVNT      | n40  | 5795            | Ant1    | 12.25                 | 30          | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | 11.46                 | 30          | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | 12.09                 | 30          | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | 12.55                 | 30          | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | 11.57                 | 30          | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | 12.22                 | 30          | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | 11.86                 | 30          | Pass    |

### 5.3 -6DB BANDWIDTH

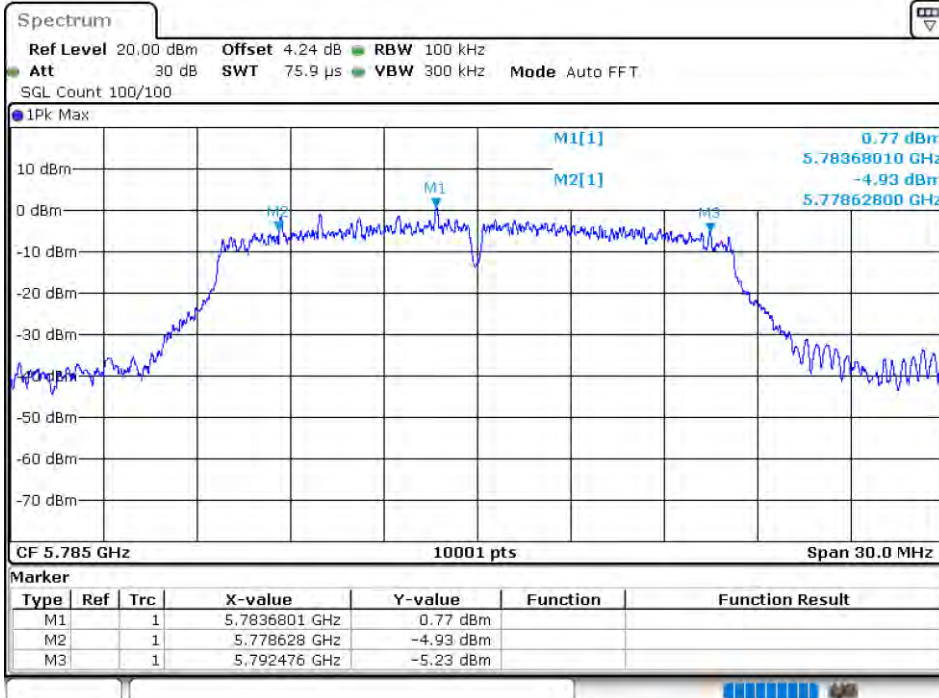
| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | a    | 5745            | Ant1    | 15.318                | 0.5                         | Pass    |
| NVNT      | a    | 5785            | Ant1    | 13.848                | 0.5                         | Pass    |
| NVNT      | a    | 5825            | Ant1    | 12.357                | 0.5                         | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 13.821                | 0.5                         | Pass    |
| NVNT      | n20  | 5785            | Ant1    | 15.129                | 0.5                         | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 17.574                | 0.5                         | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 30.078                | 0.5                         | Pass    |
| NVNT      | n40  | 5795            | Ant1    | 35.034                | 0.5                         | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | 17.34                 | 0.5                         | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | 17.172                | 0.5                         | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | 17.55                 | 0.5                         | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | 35.07                 | 0.5                         | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | 32.598                | 0.5                         | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | 68.832                | 0.5                         | Pass    |

Test Graphs

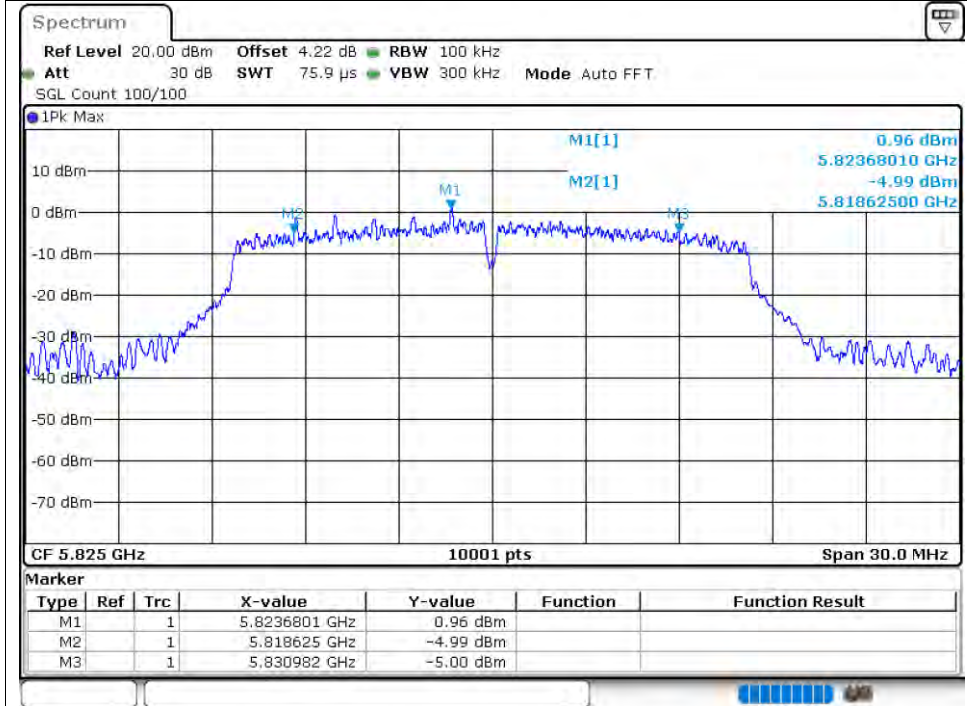
-6dB Bandwidth NVNT a 5745MHz Ant1



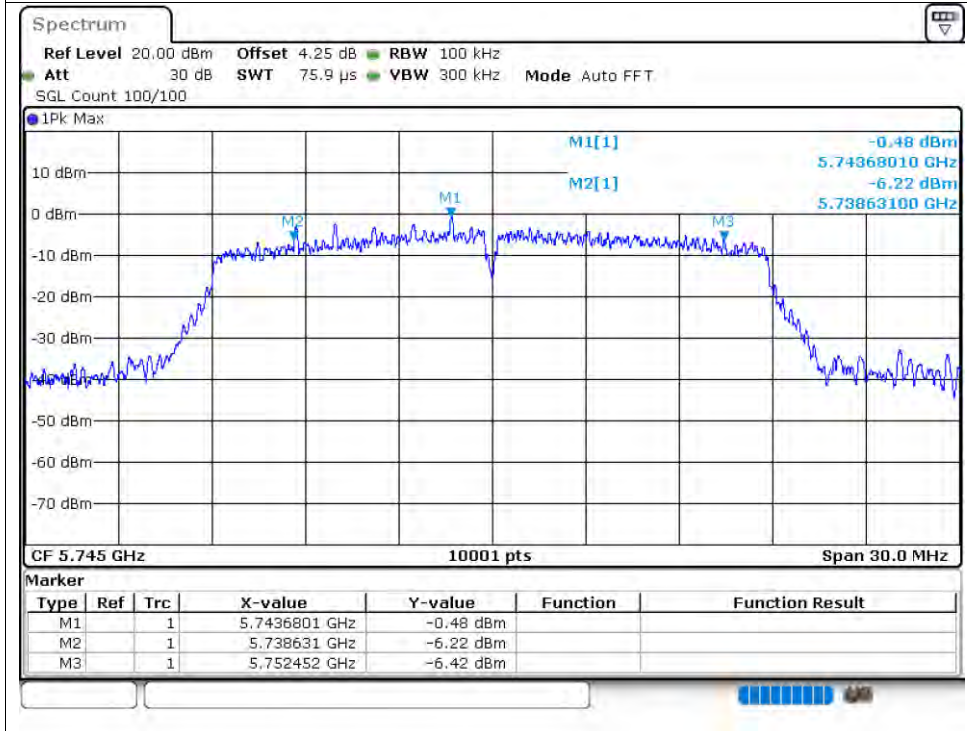
-6dB Bandwidth NVNT a 5785MHz Ant1



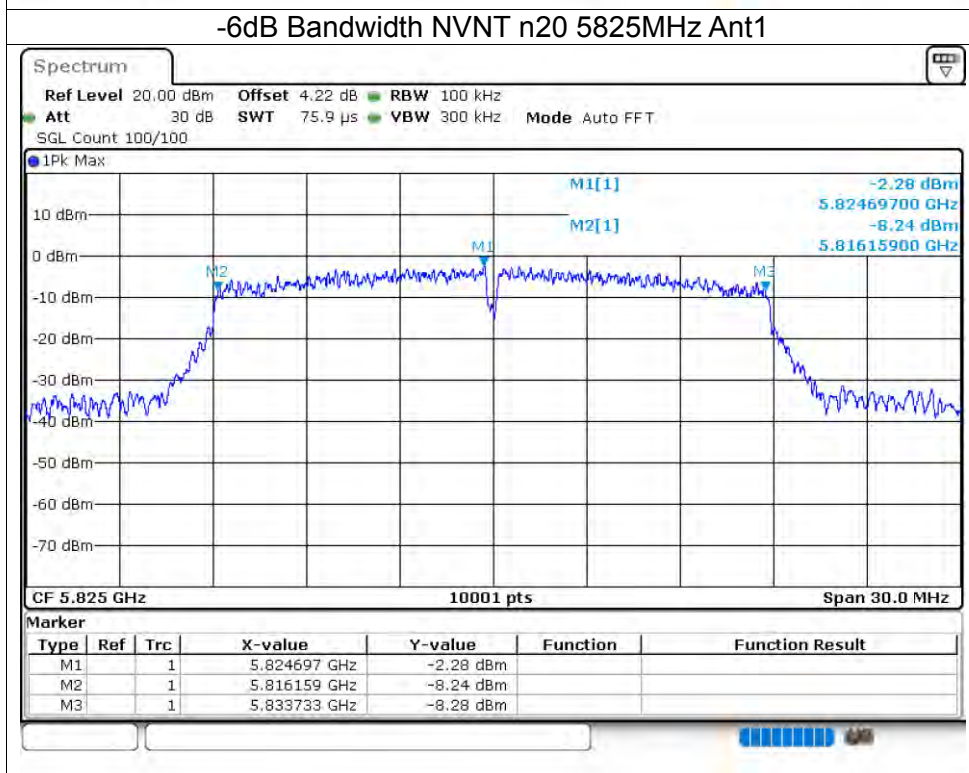
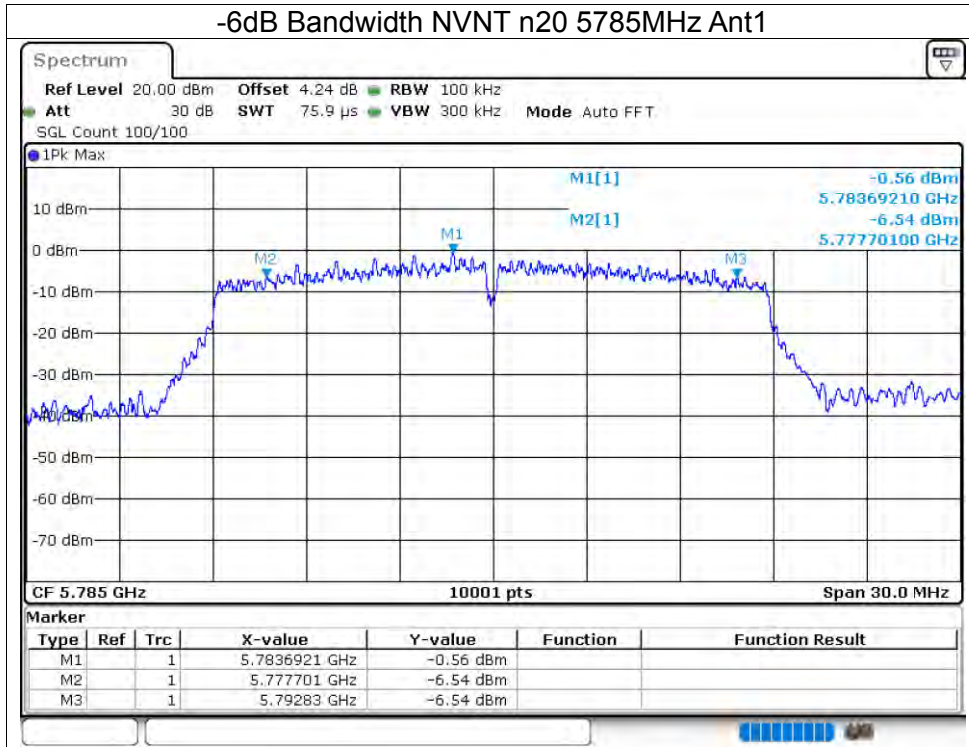
-6dB Bandwidth NVNT a 5825MHz Ant1

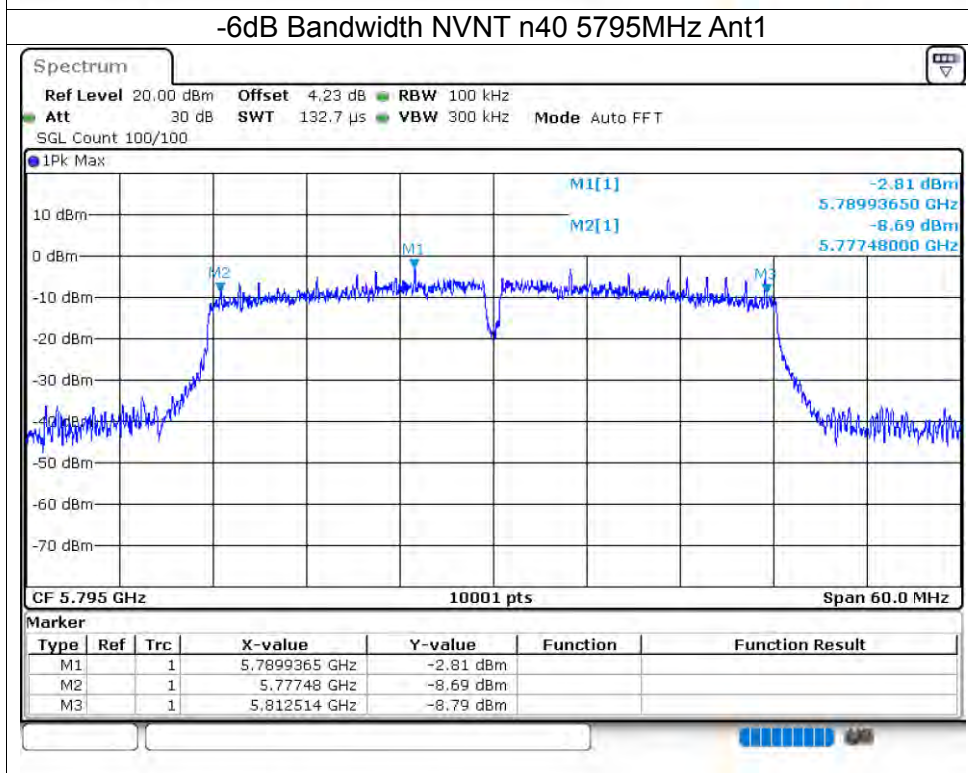
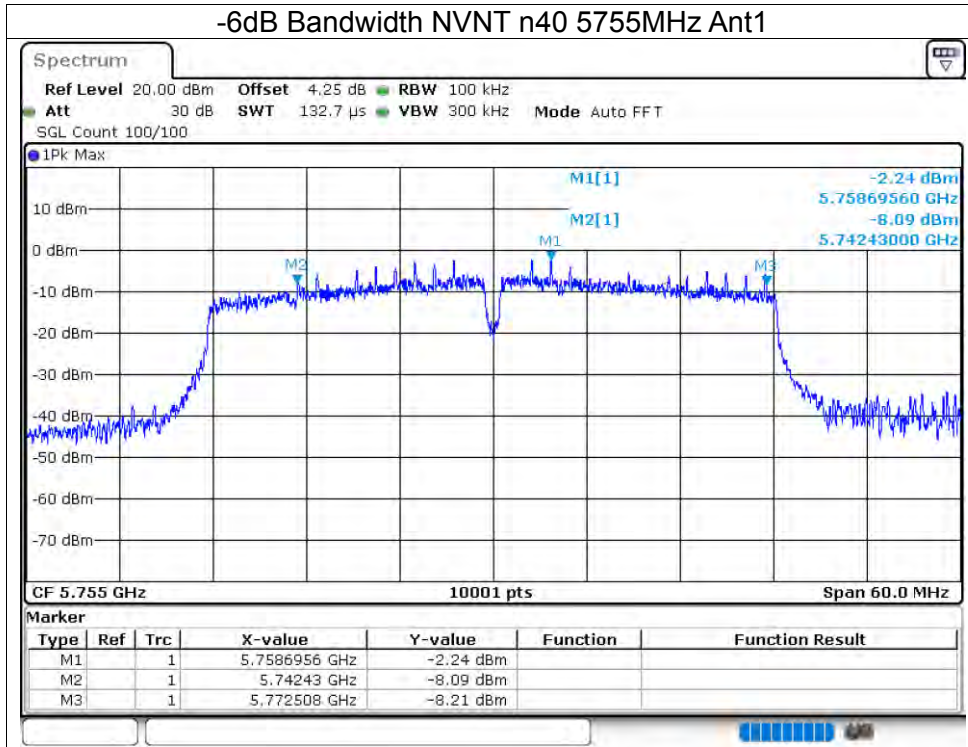


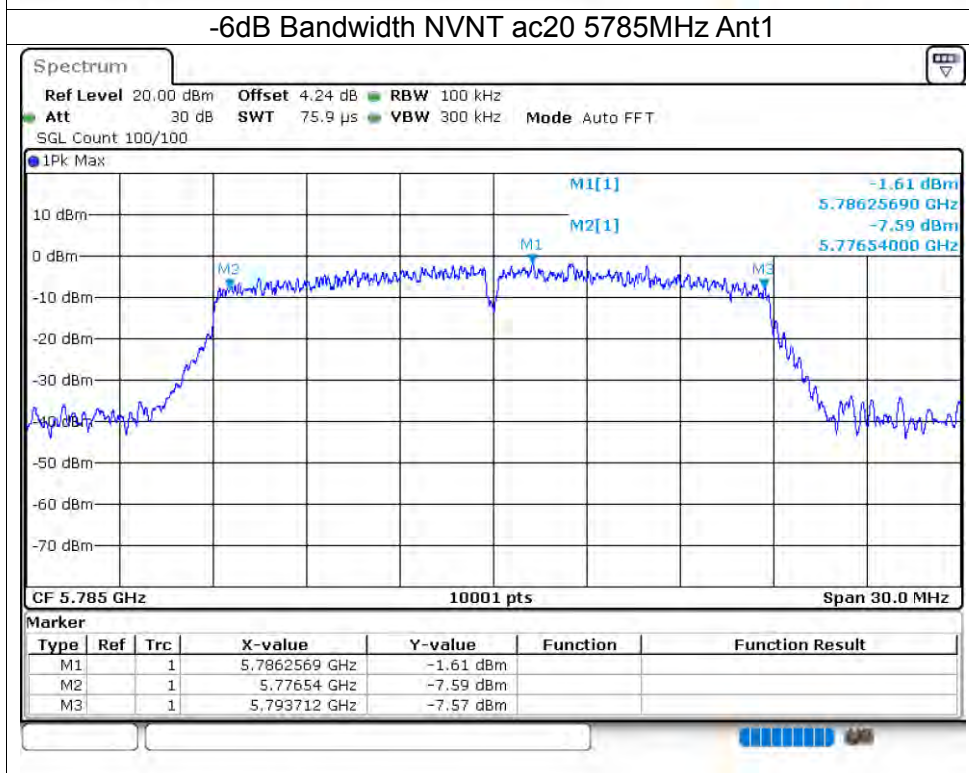
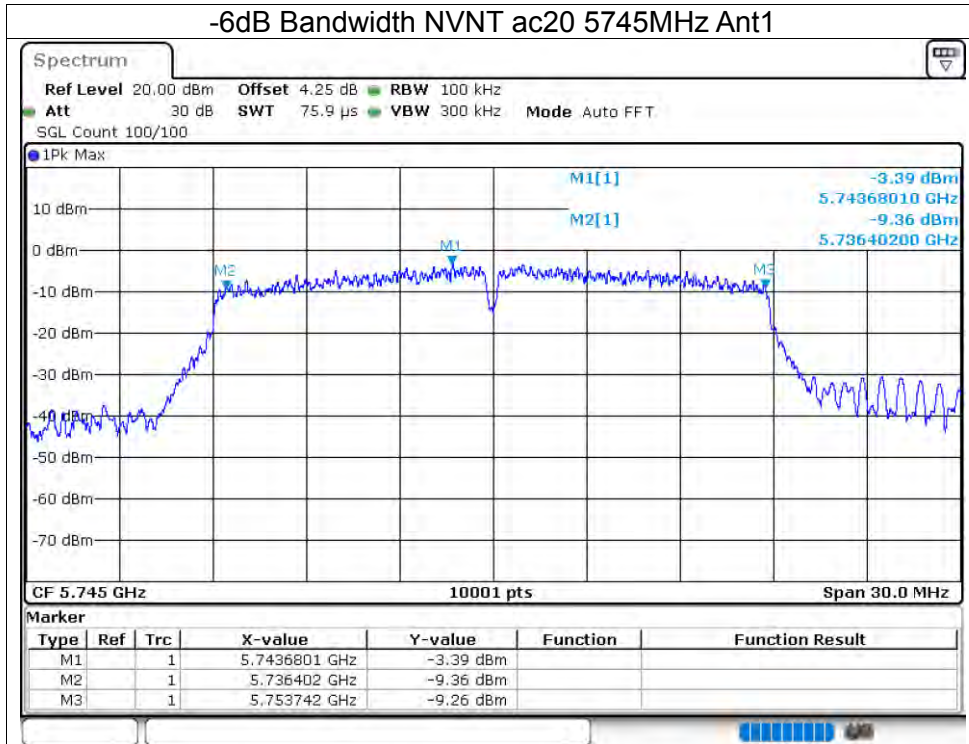
-6dB Bandwidth NVNT n20 5745MHz Ant1



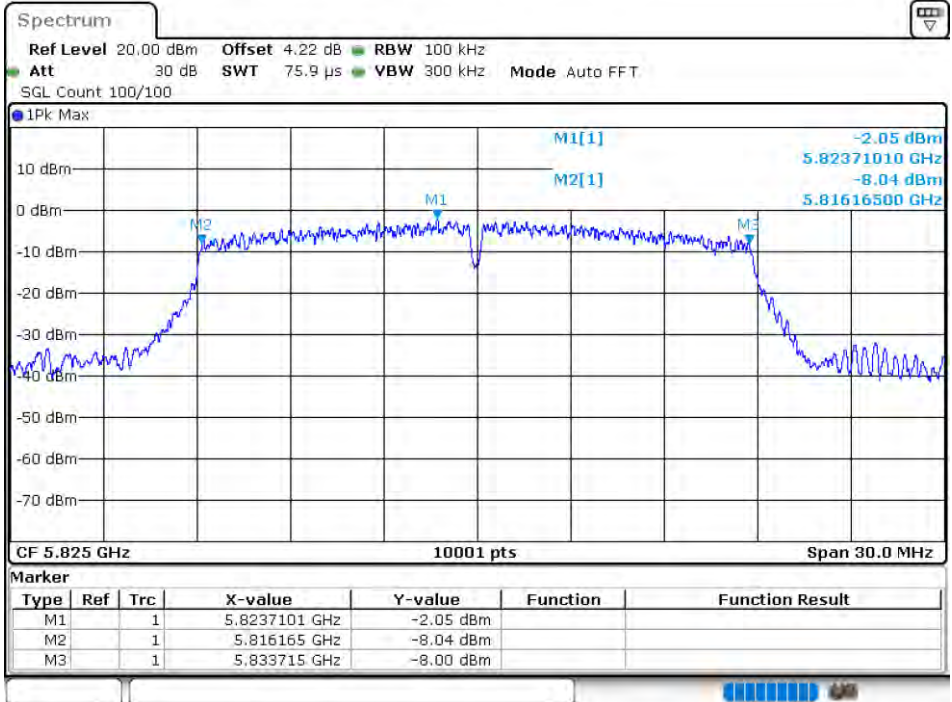




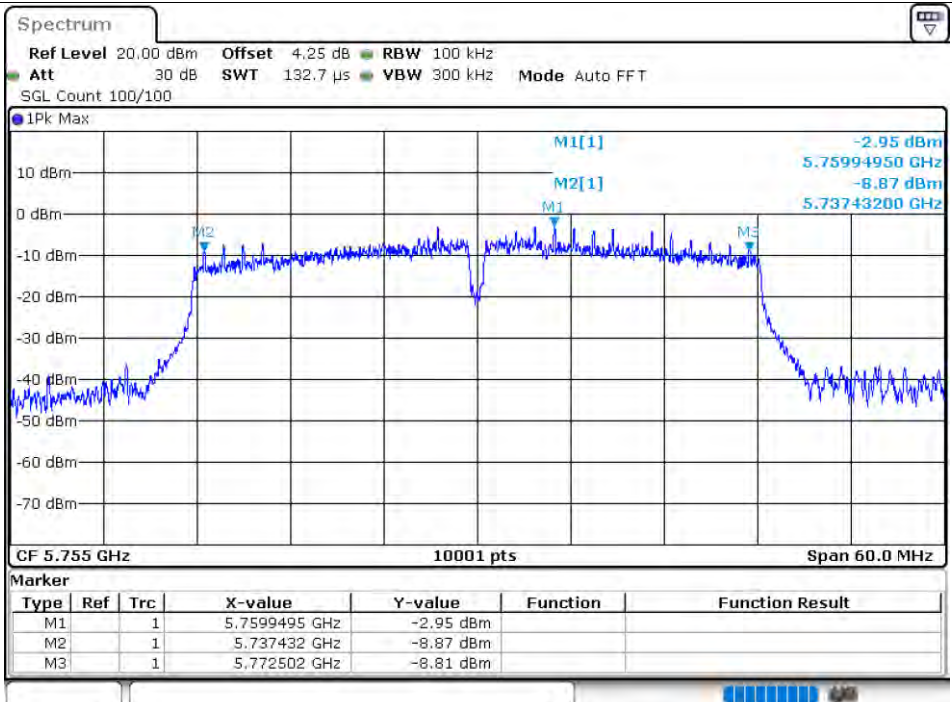


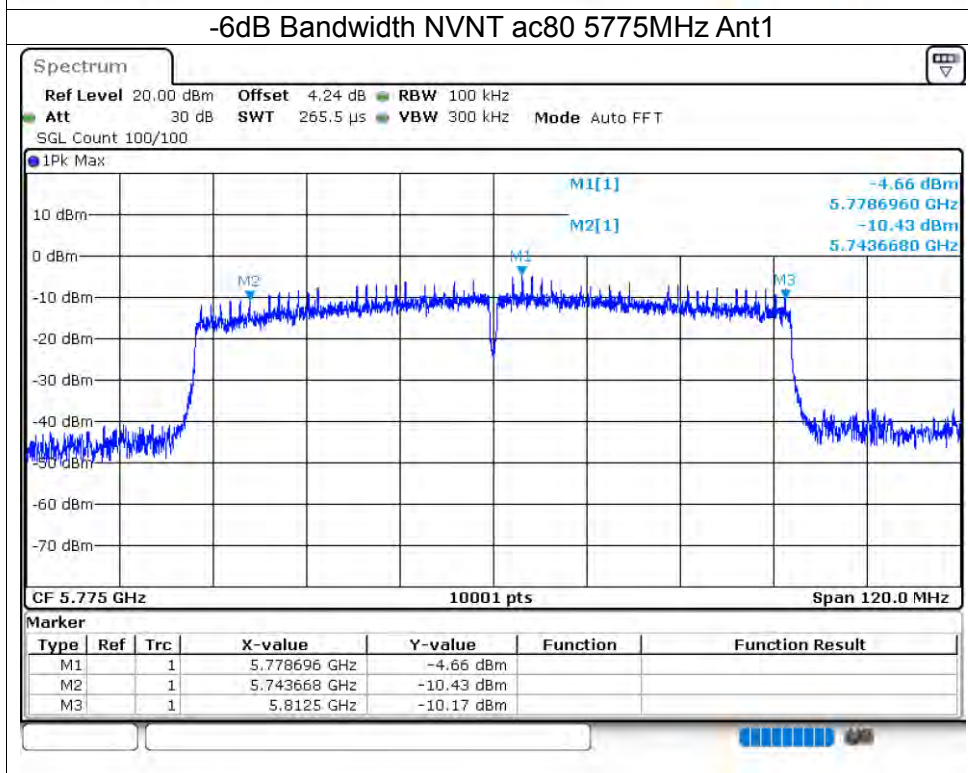
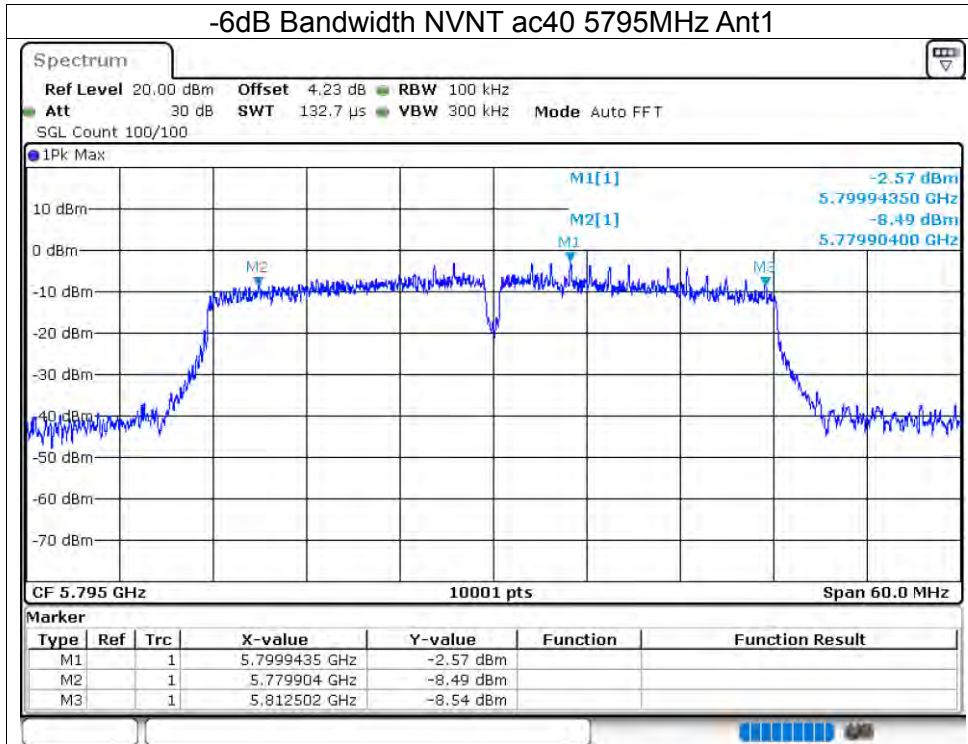


**-6dB Bandwidth NVNT ac20 5825MHz Ant1**



**-6dB Bandwidth NVNT ac40 5755MHz Ant1**



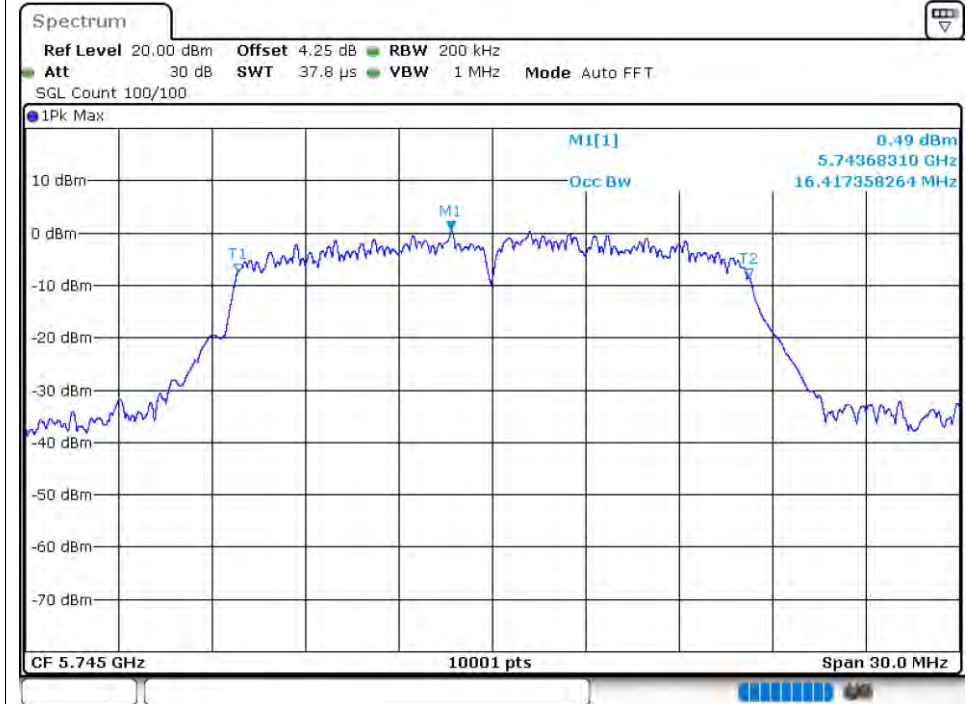


## 5.4 OCCUPIED CHANNEL BANDWIDTH

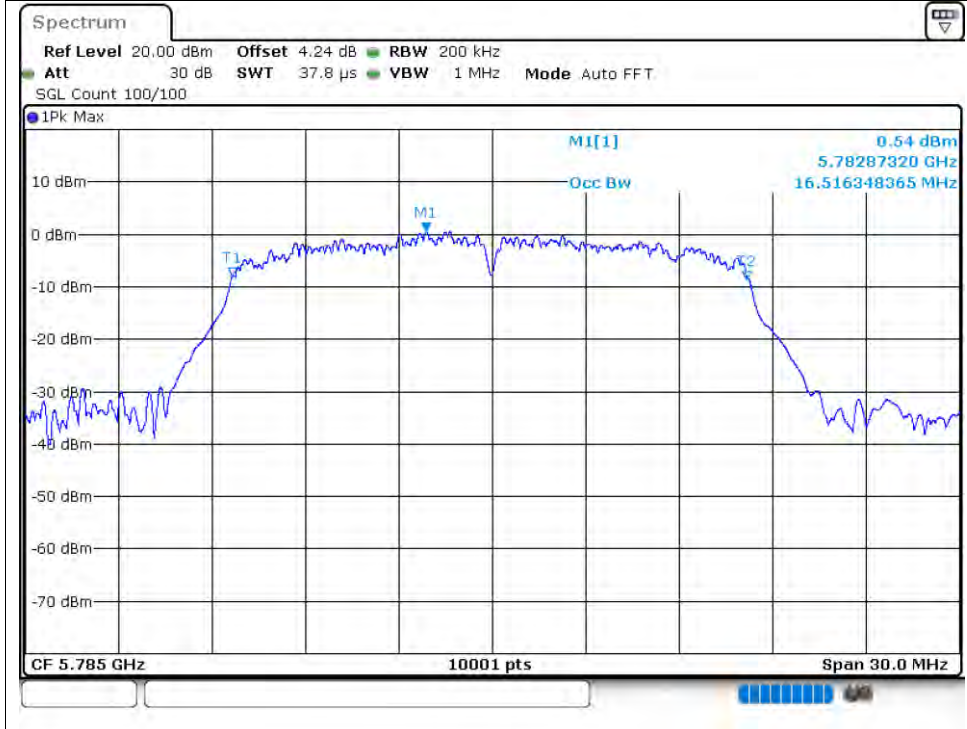
| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | a    | 5745            | Ant1    | 16.417        |
| NVNT      | a    | 5785            | Ant1    | 16.516        |
| NVNT      | a    | 5825            | Ant1    | 16.501        |
| NVNT      | n20  | 5745            | Ant1    | 17.566        |
| NVNT      | n20  | 5785            | Ant1    | 17.536        |
| NVNT      | n20  | 5825            | Ant1    | 17.572        |
| NVNT      | n40  | 5755            | Ant1    | 35.99         |
| NVNT      | n40  | 5795            | Ant1    | 36.074        |
| NVNT      | ac20 | 5745            | Ant1    | 17.491        |
| NVNT      | ac20 | 5785            | Ant1    | 17.533        |
| NVNT      | ac20 | 5825            | Ant1    | 17.575        |
| NVNT      | ac40 | 5755            | Ant1    | 35.936        |
| NVNT      | ac40 | 5795            | Ant1    | 36.044        |
| NVNT      | ac80 | 5775            | Ant1    | 74.969        |

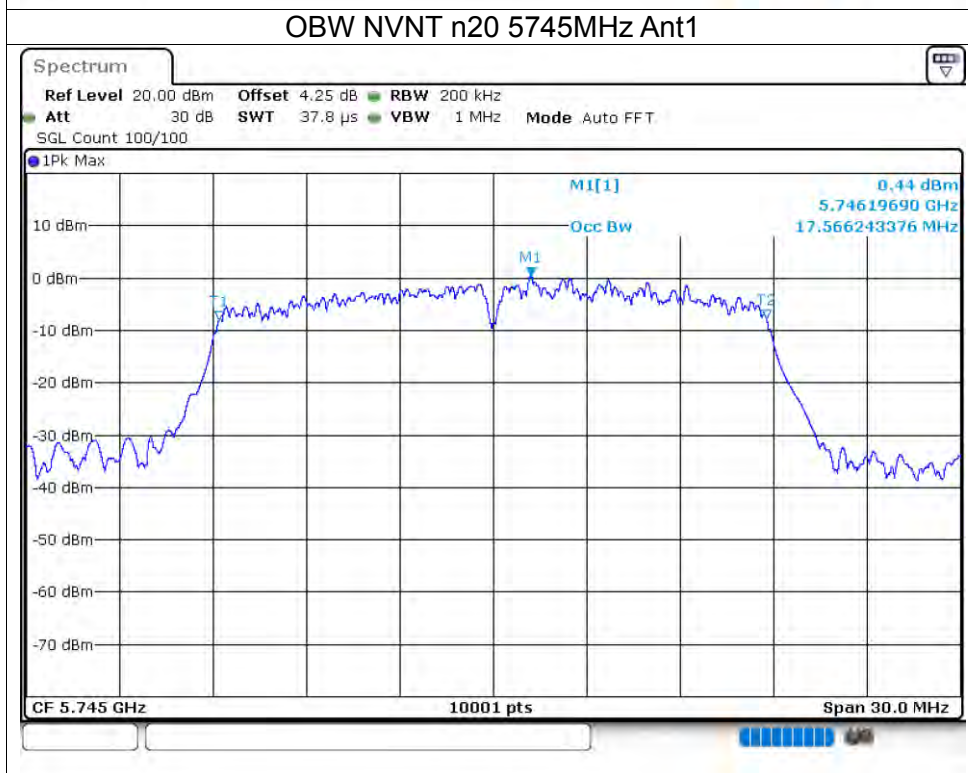
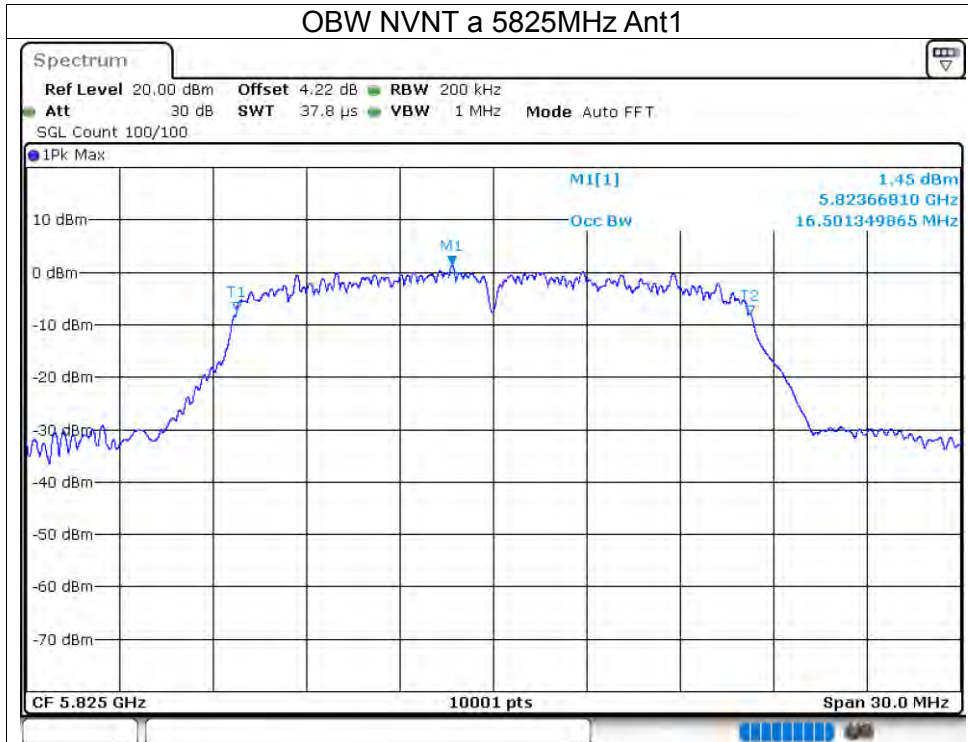
Test Graphs

OBW NVNT a 5745MHz Ant1

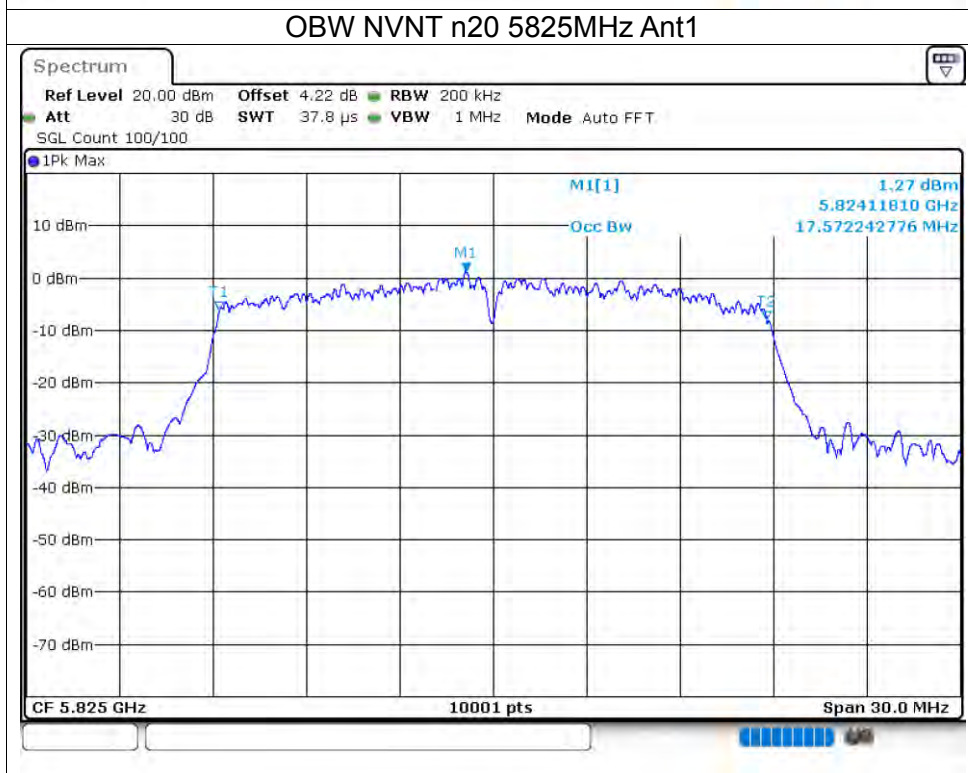
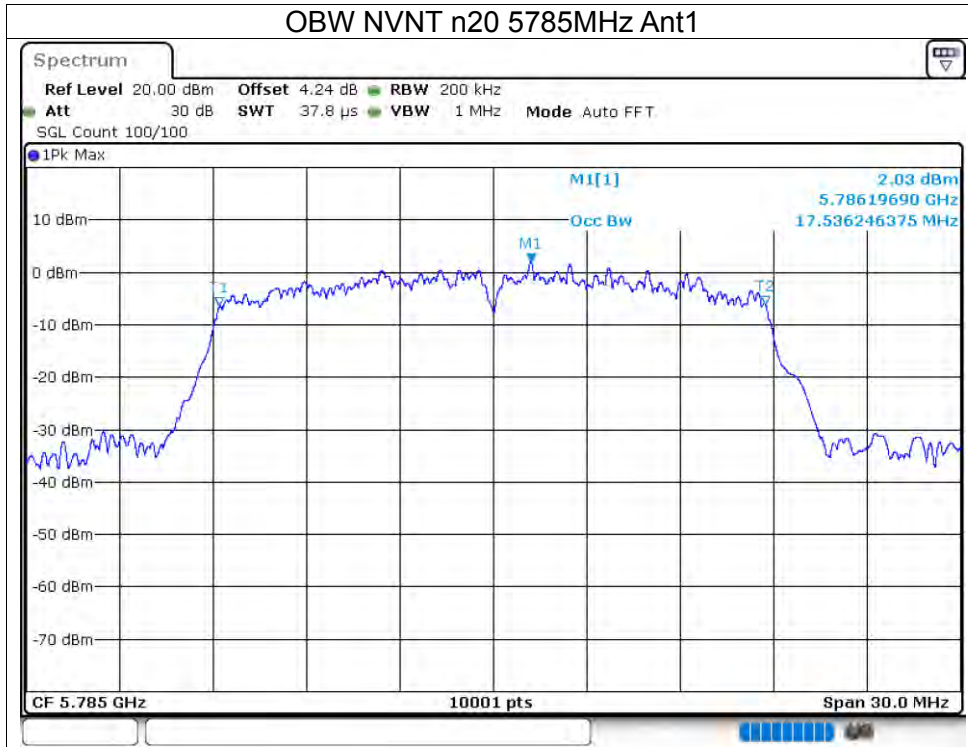


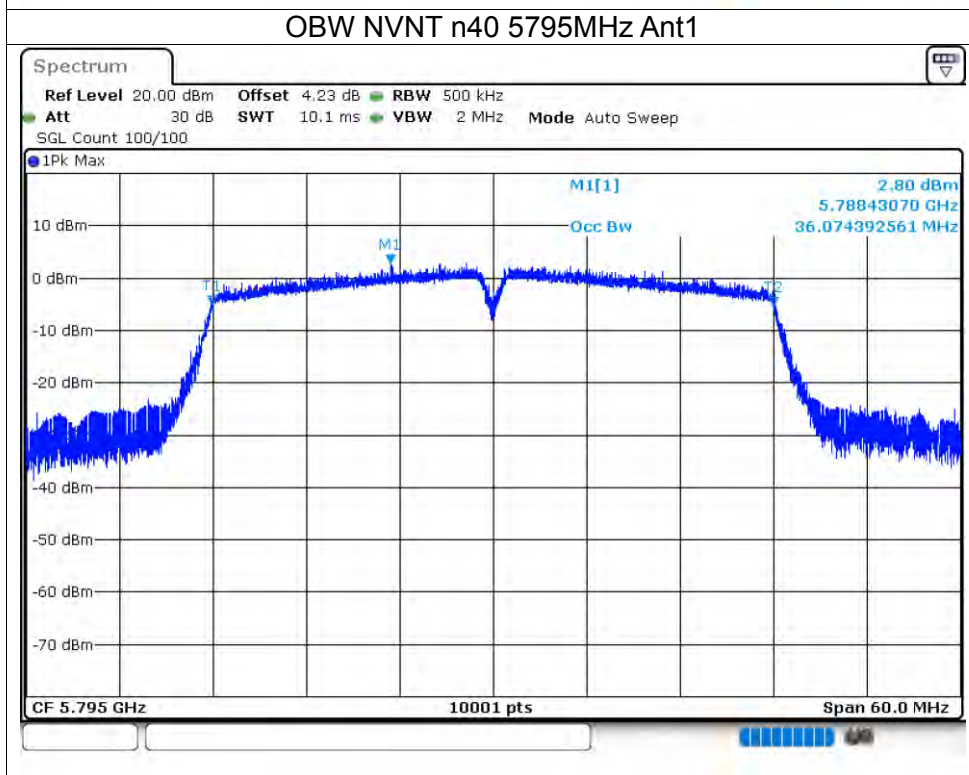
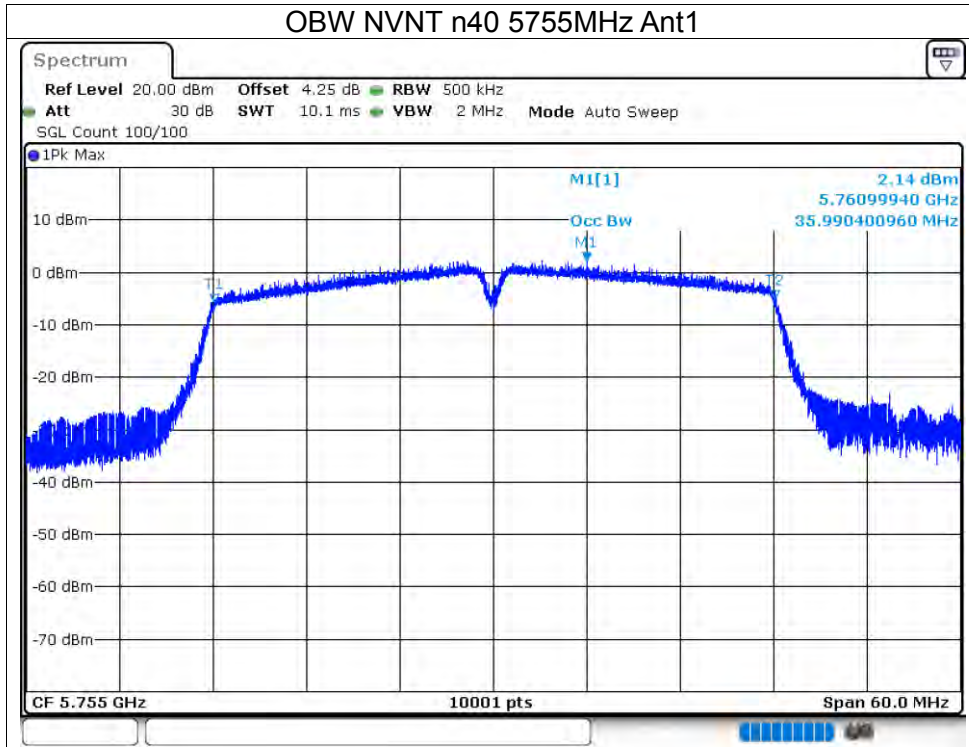
OBW NVNT a 5785MHz Ant1

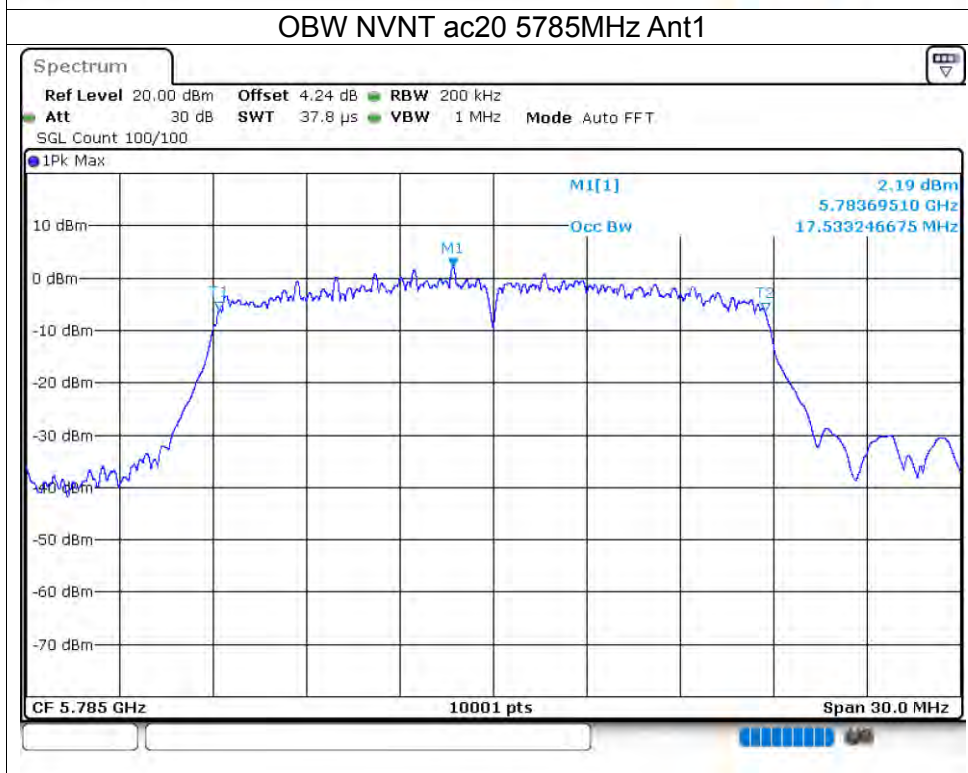
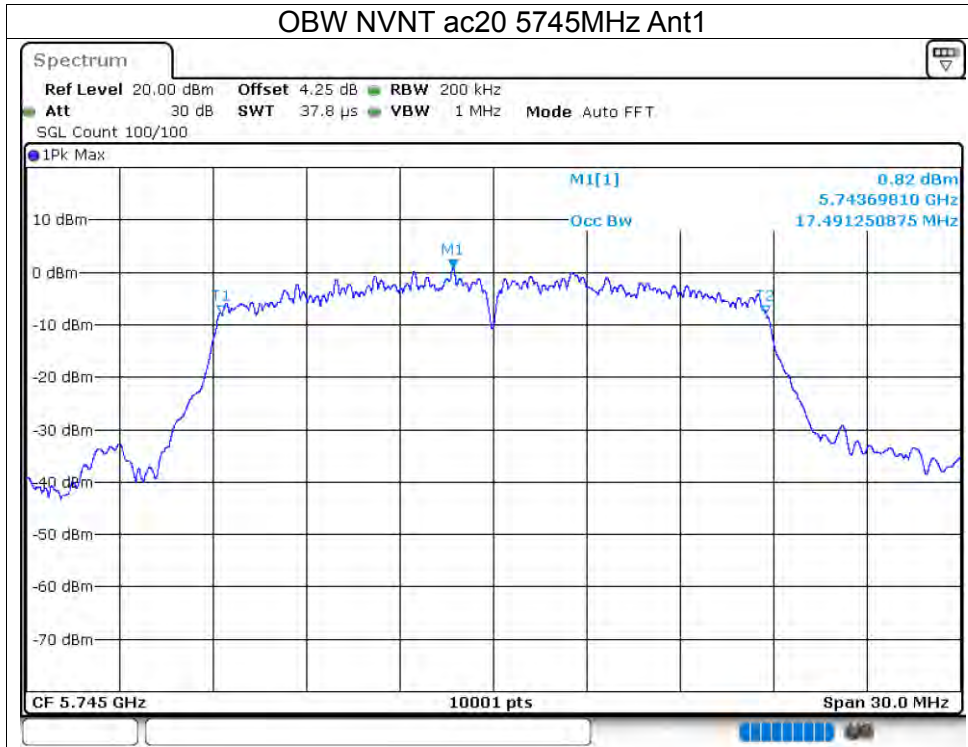


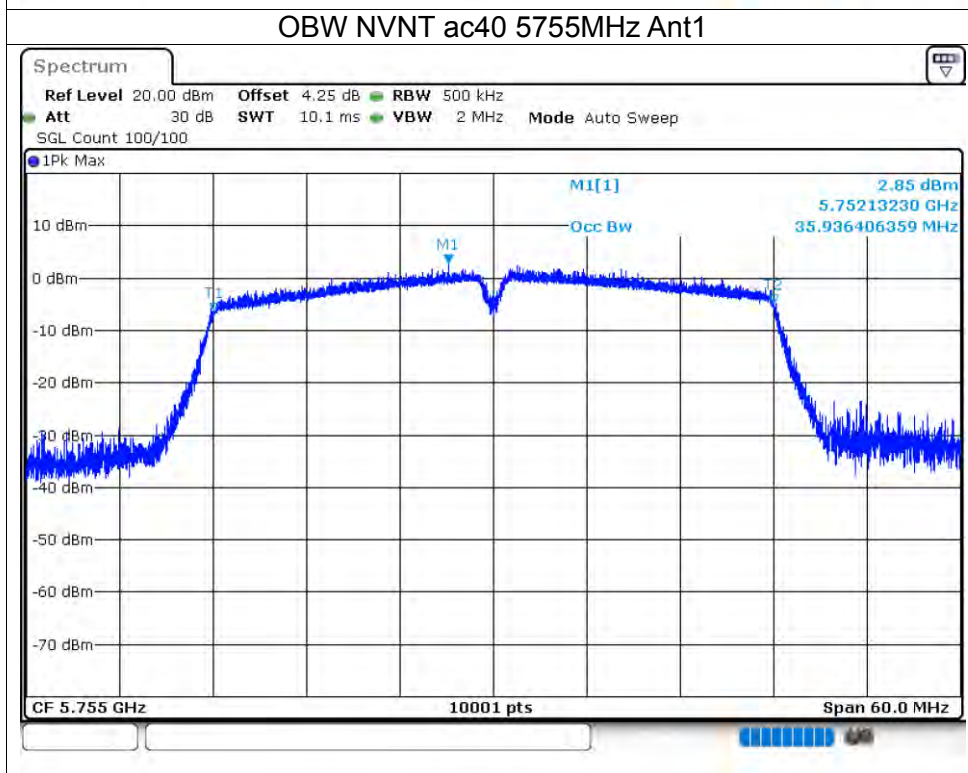
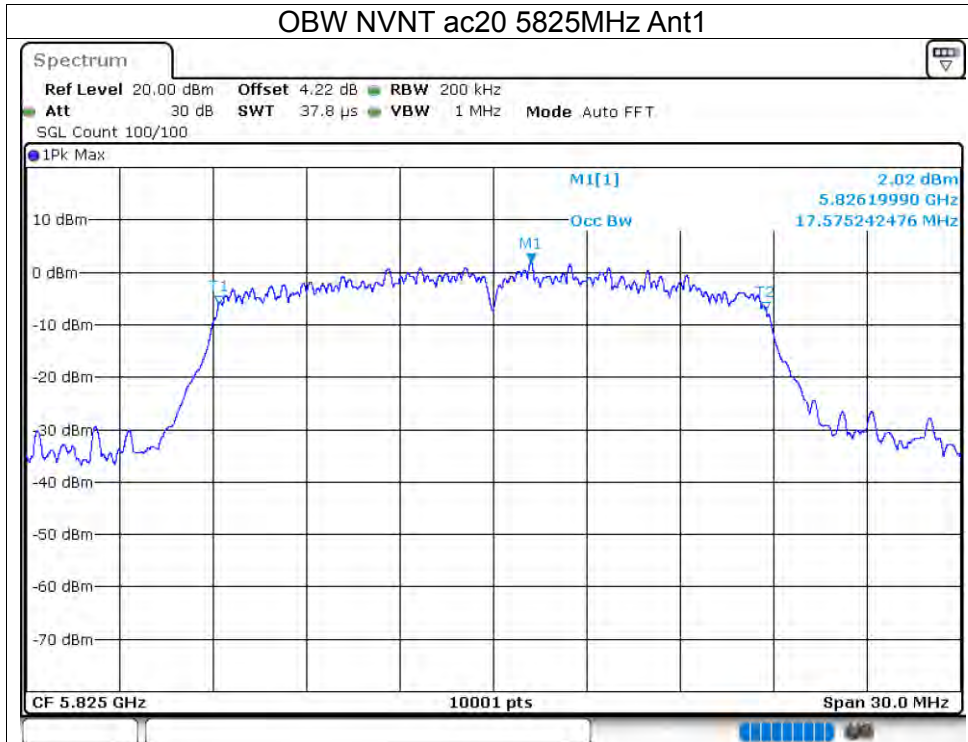


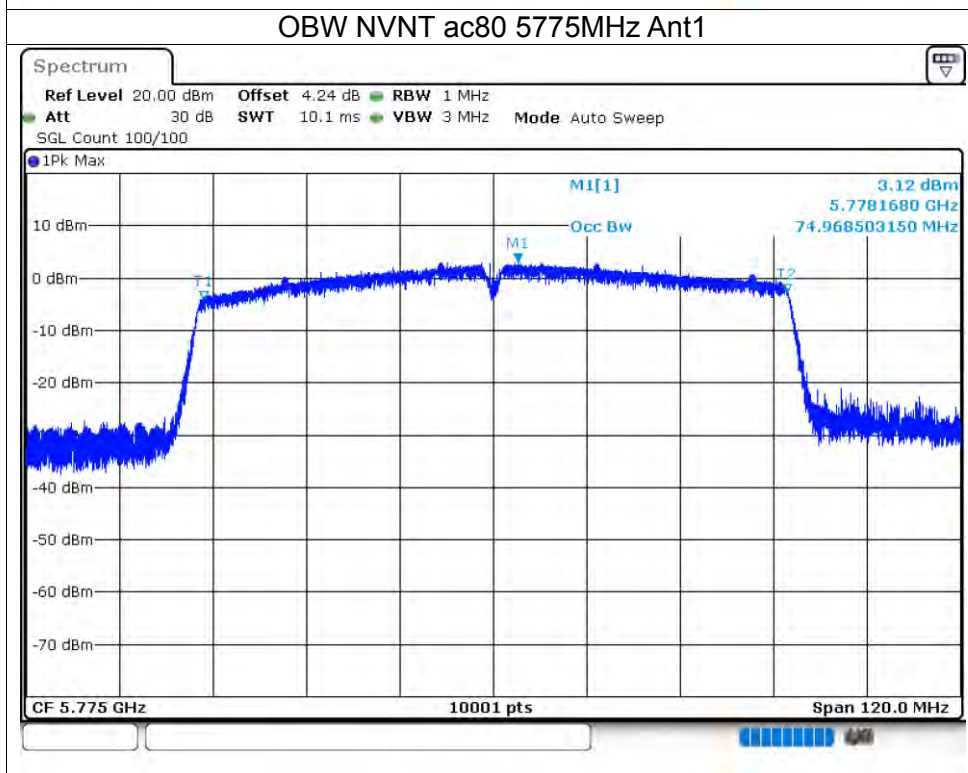
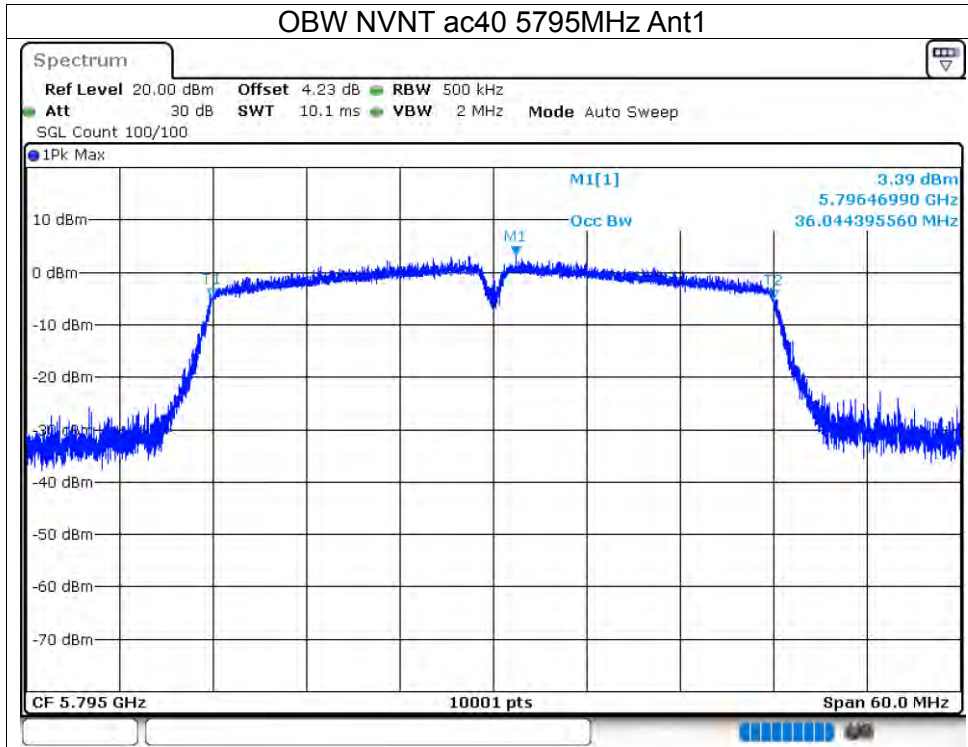










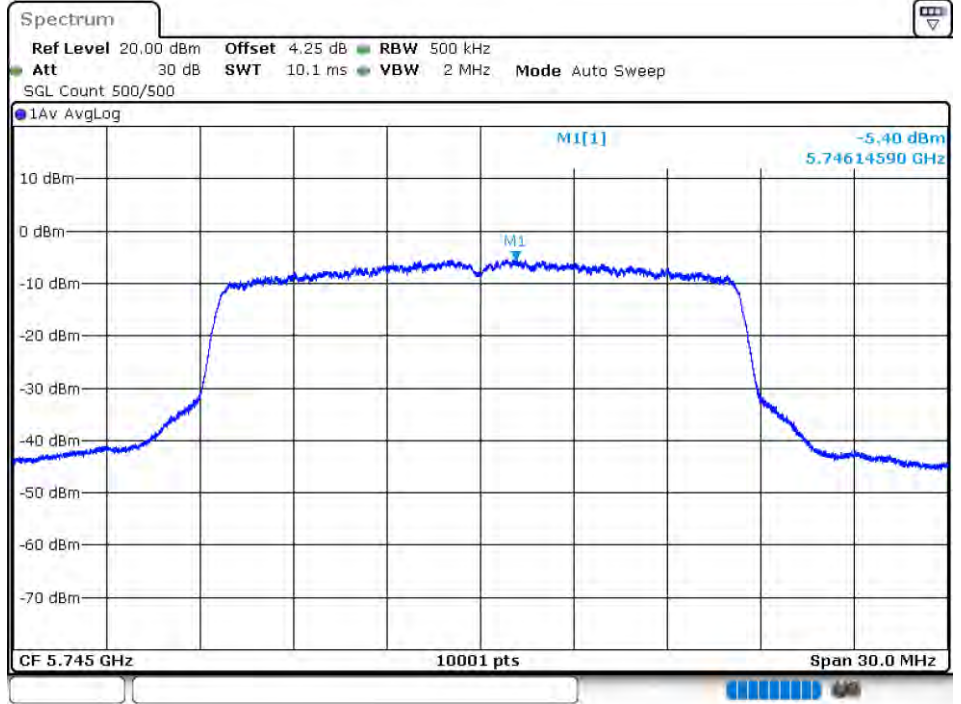


## 5.5 MAXIMUM POWER SPECTRAL DENSITY LEVEL

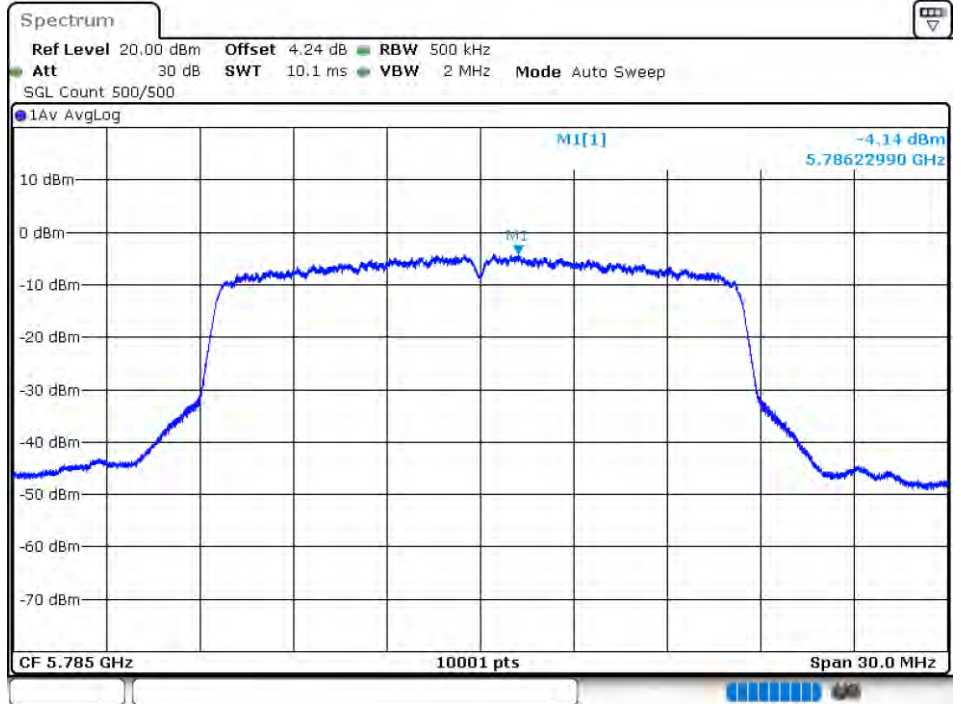
| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm) | Duty Factor (dB) | Total PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------------|------------------|-----------------|-------------|---------|
| NVNT      | a    | 5745            | Ant1    | -5.4                | 0.08             | -5.32           | 30          | Pass    |
| NVNT      | a    | 5785            | Ant1    | -4.14               | 0.08             | -4.06           | 30          | Pass    |
| NVNT      | a    | 5825            | Ant1    | -4.18               | 0.08             | -4.1            | 30          | Pass    |
| NVNT      | n20  | 5745            | Ant1    | -5.61               | 0.09             | -5.52           | 30          | Pass    |
| NVNT      | n20  | 5785            | Ant1    | -4.48               | 0.09             | -4.39           | 30          | Pass    |
| NVNT      | n20  | 5825            | Ant1    | -4.37               | 0.09             | -4.28           | 30          | Pass    |
| NVNT      | n40  | 5755            | Ant1    | -8.82               | 0.17             | -8.65           | 30          | Pass    |
| NVNT      | n40  | 5795            | Ant1    | -8.61               | 0.17             | -8.44           | 30          | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | -5.85               | 0.09             | -5.76           | 30          | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | -4.39               | 0.09             | -4.3            | 30          | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | -4.42               | 0.09             | -4.33           | 30          | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | -9                  | 0.16             | -8.84           | 30          | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | -8.72               | 0.16             | -8.56           | 30          | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | -12.6               | 0.33             | -12.27          | 30          | Pass    |

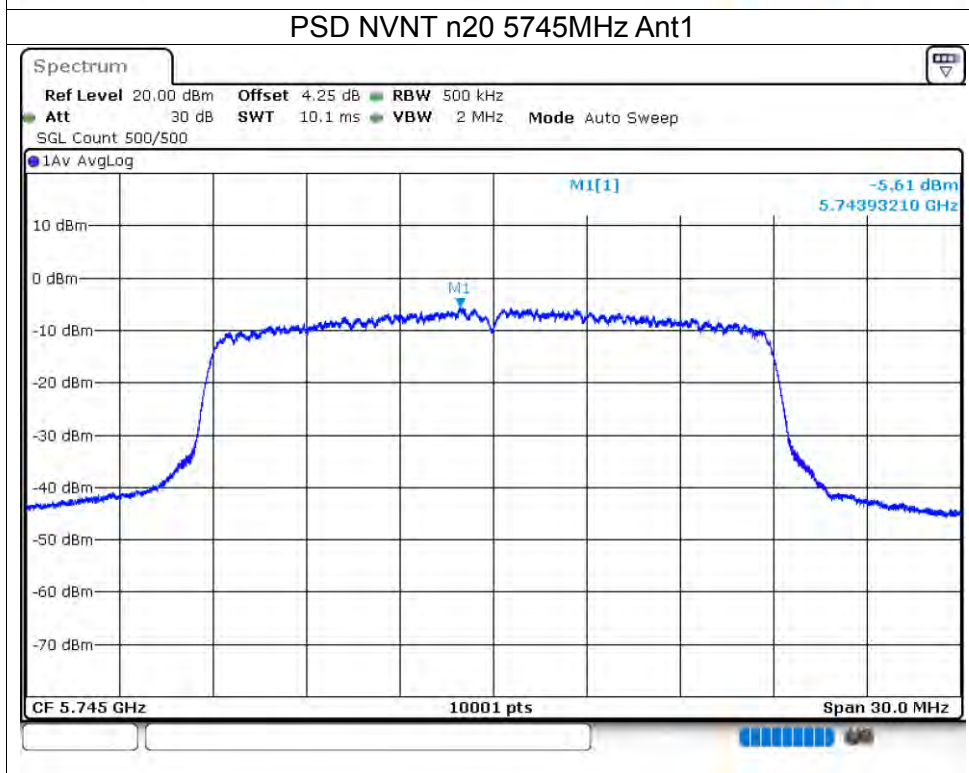
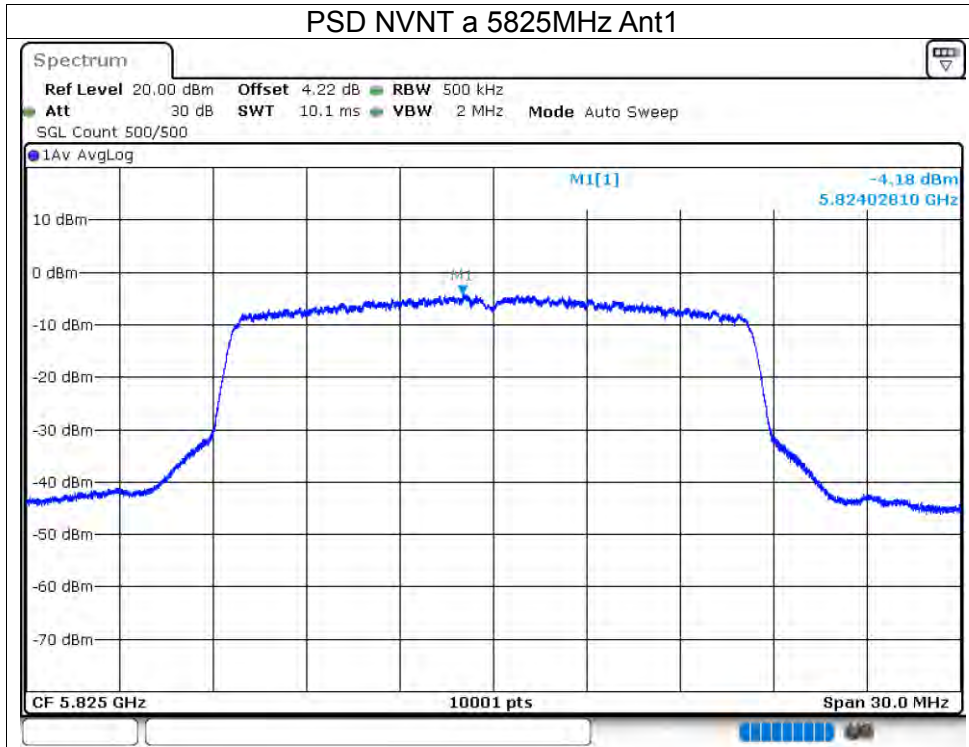
Test Graphs

PSD NVNT a 5745MHz Ant1

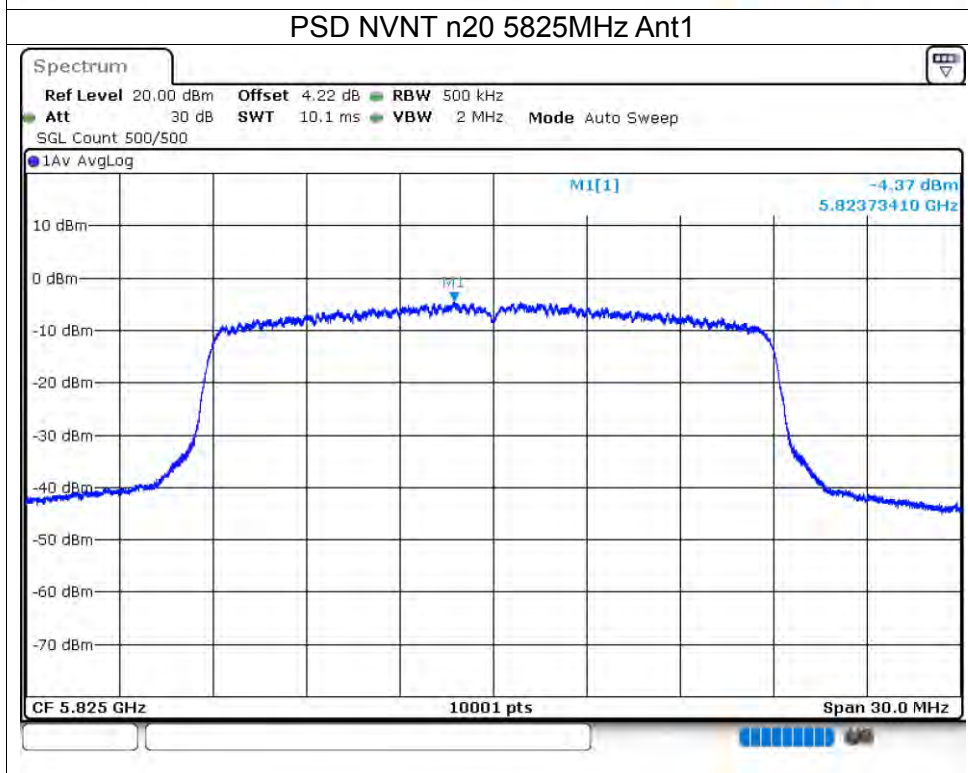
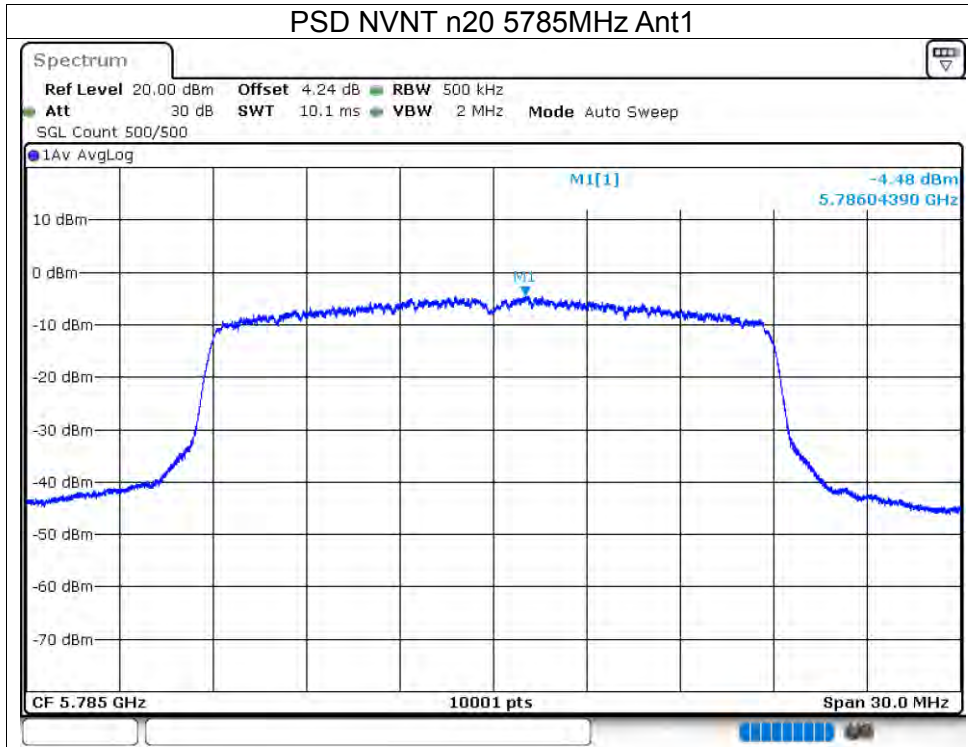


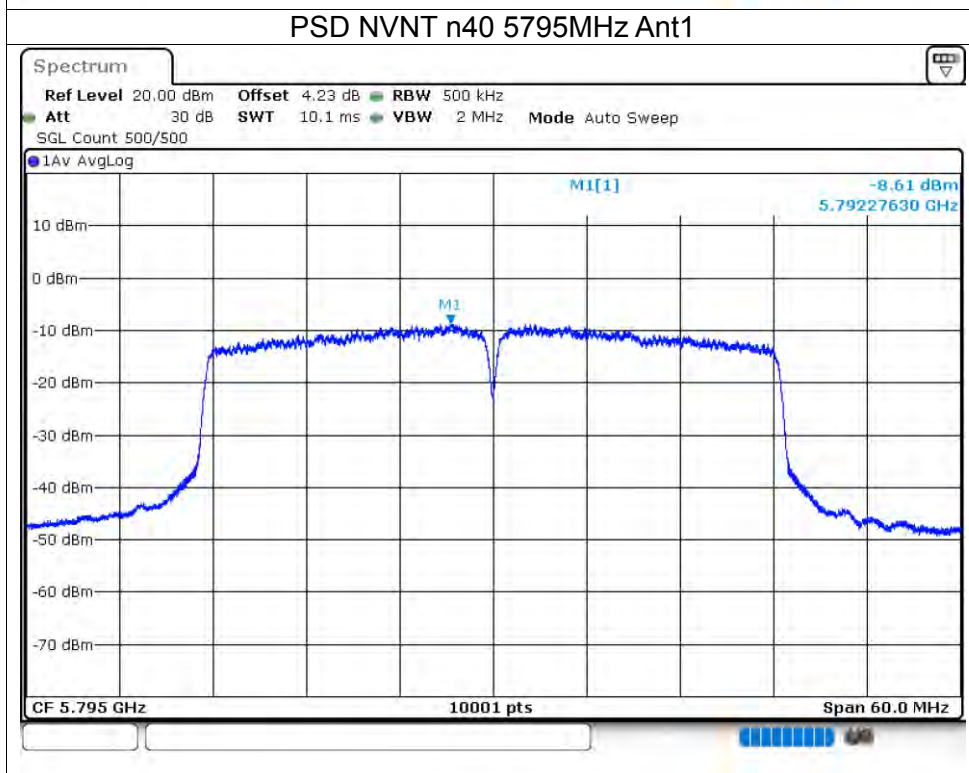
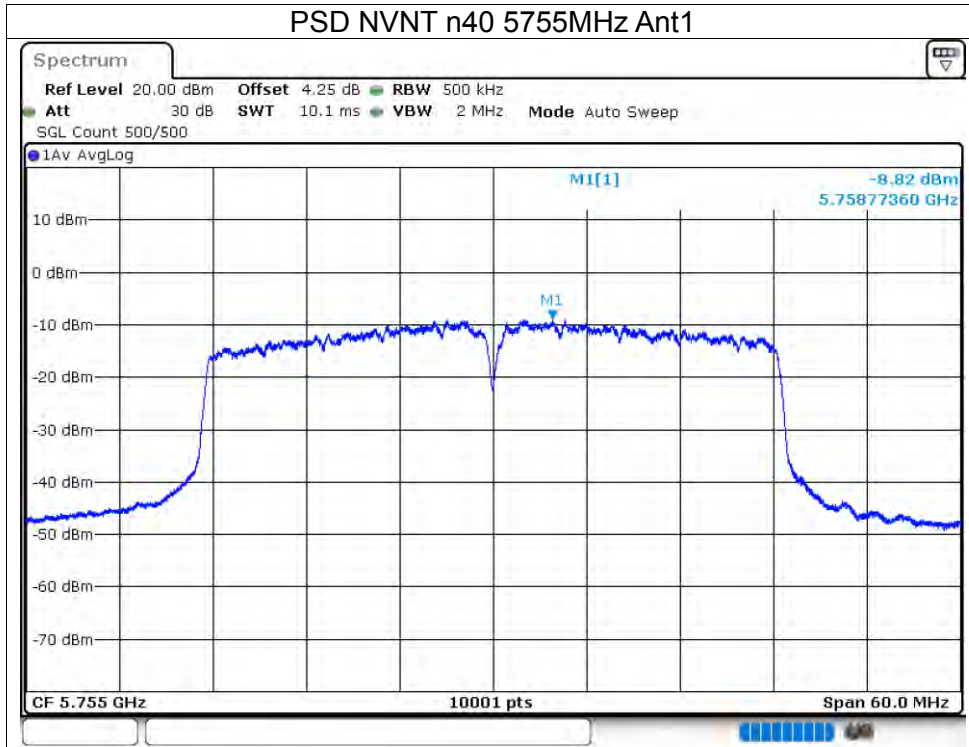
PSD NVNT a 5785MHz Ant1

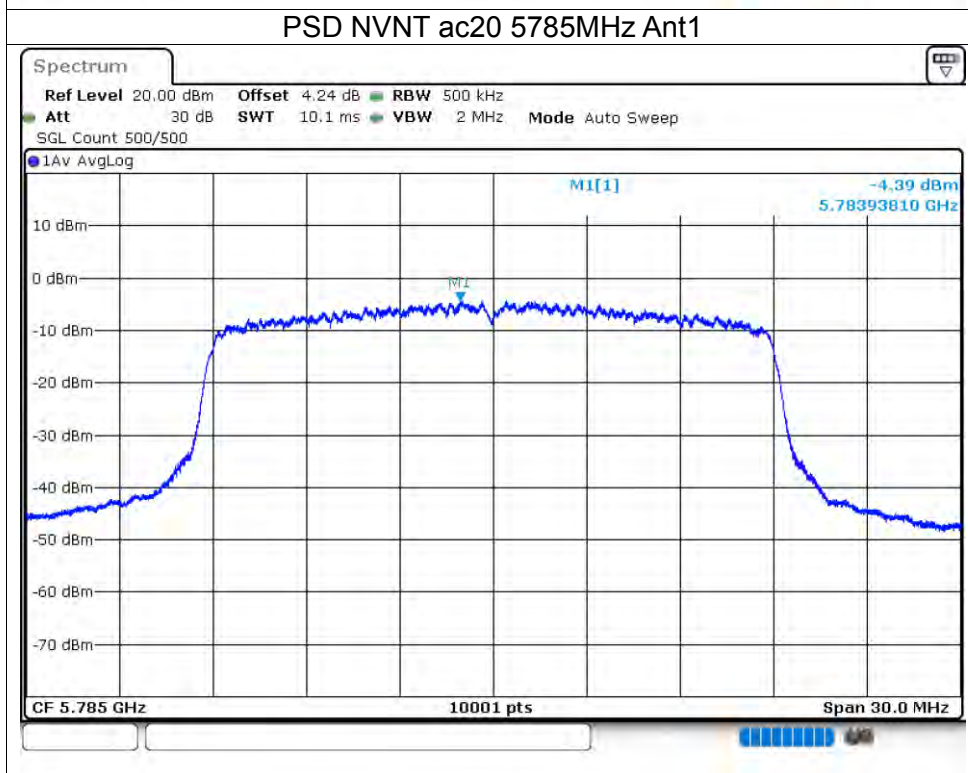
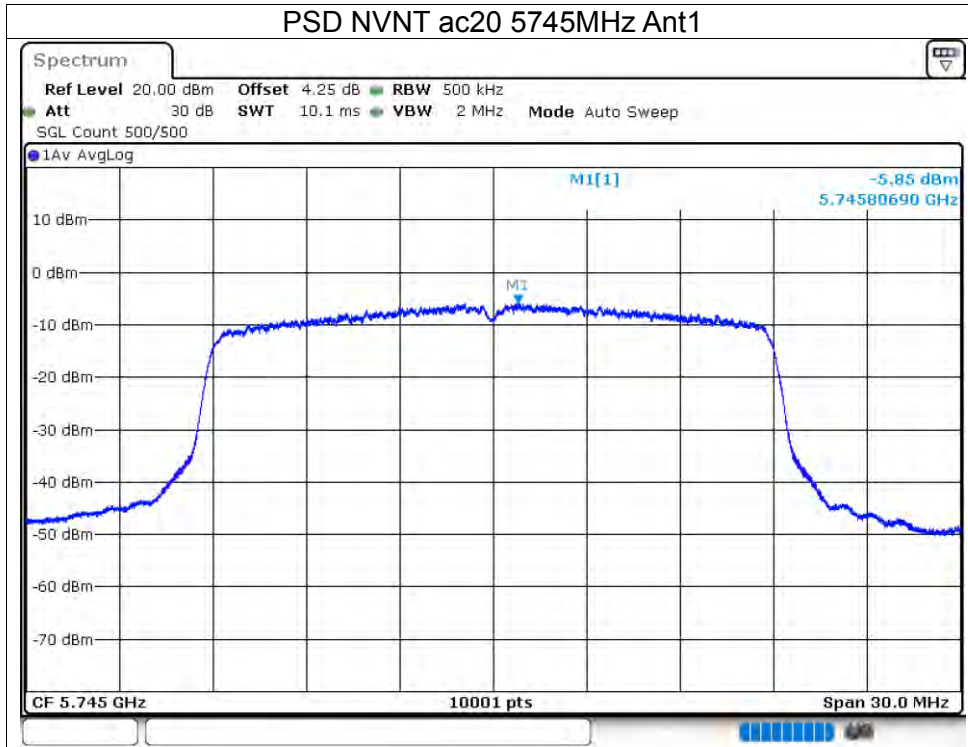


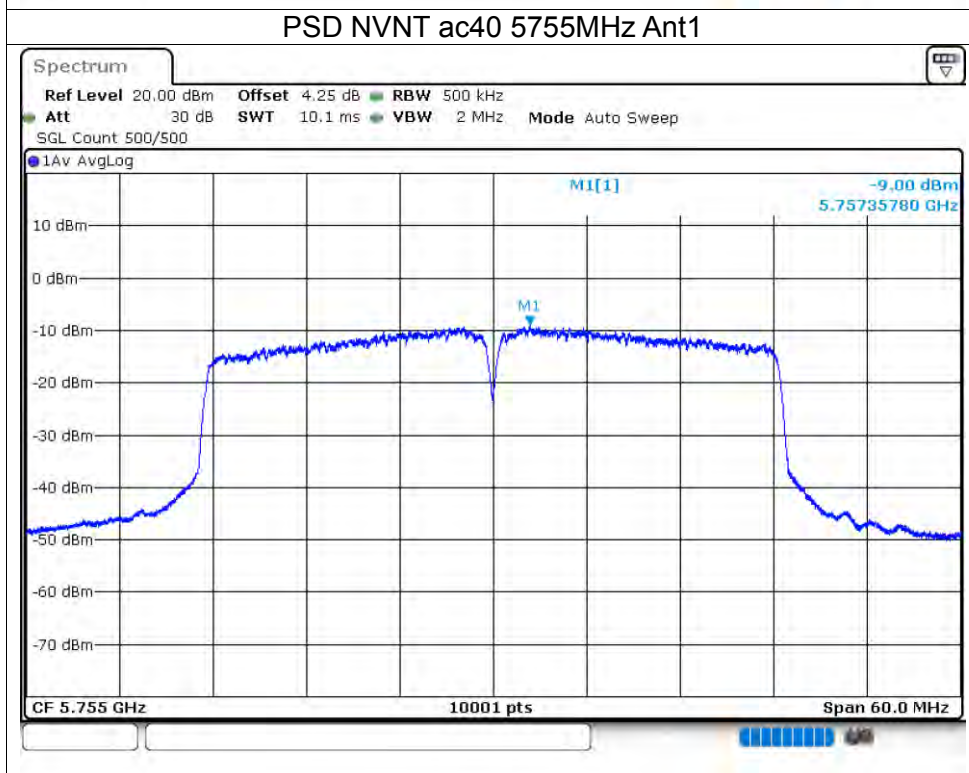
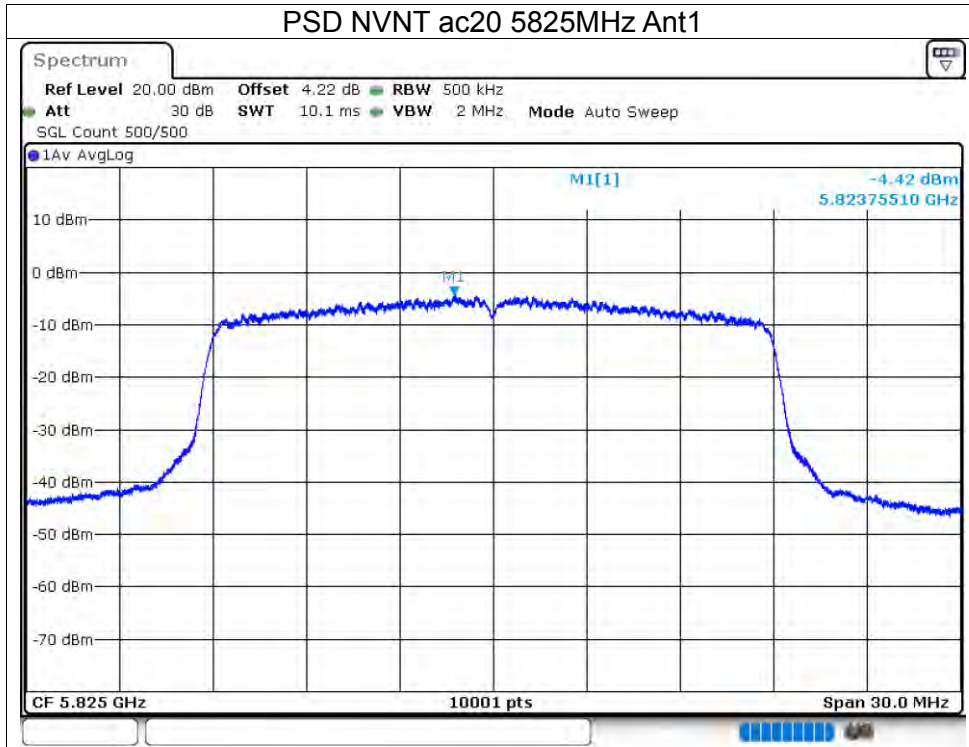


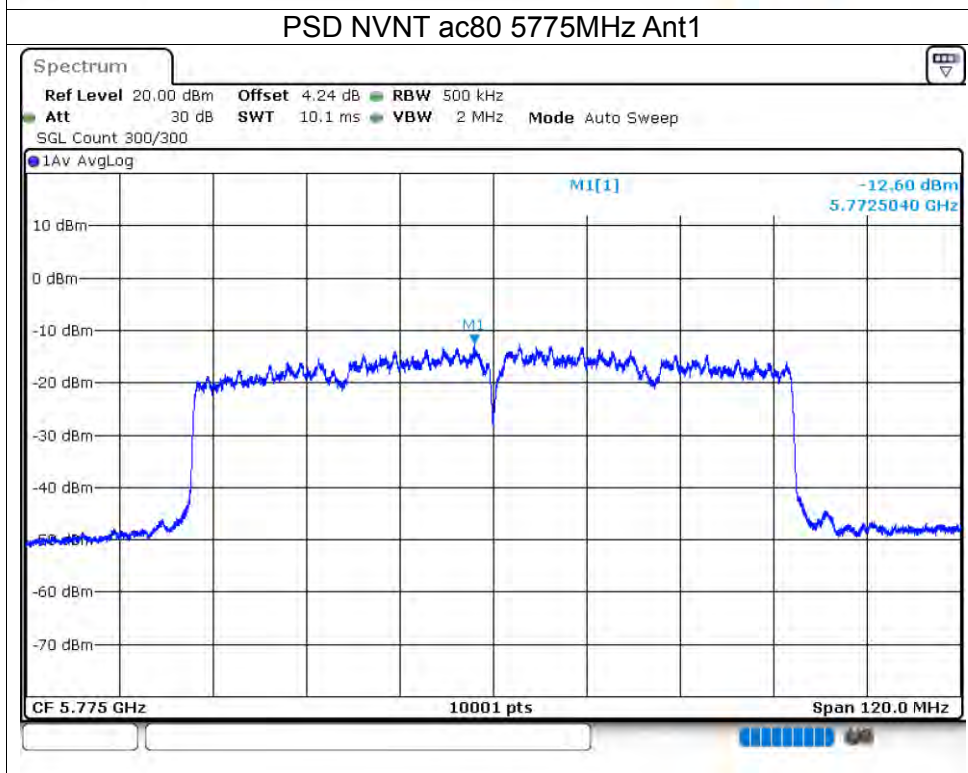
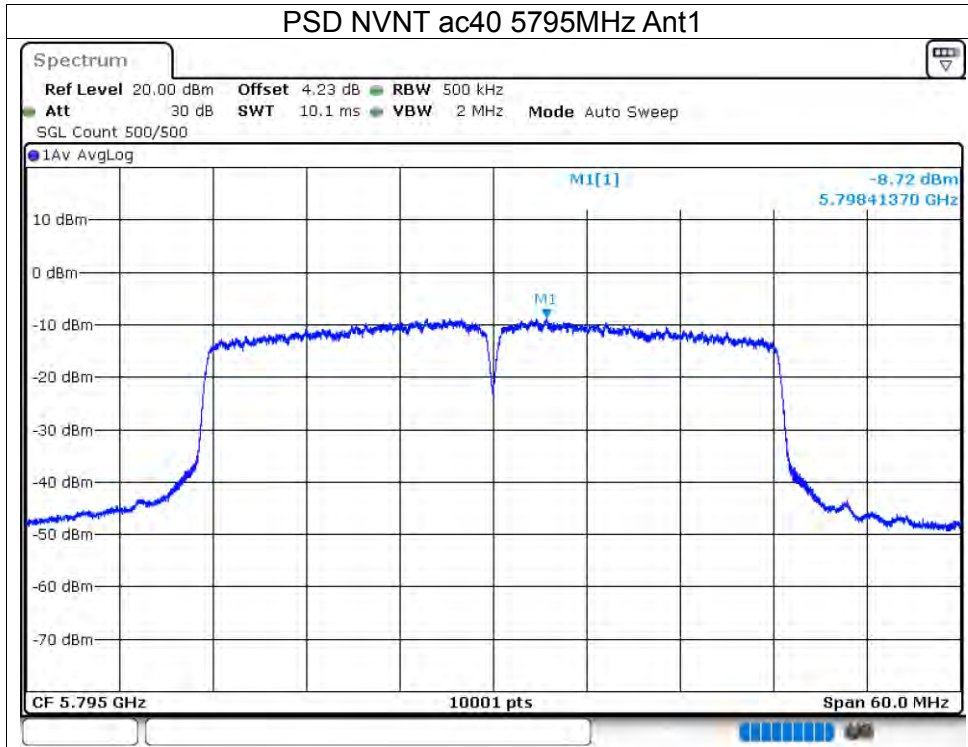






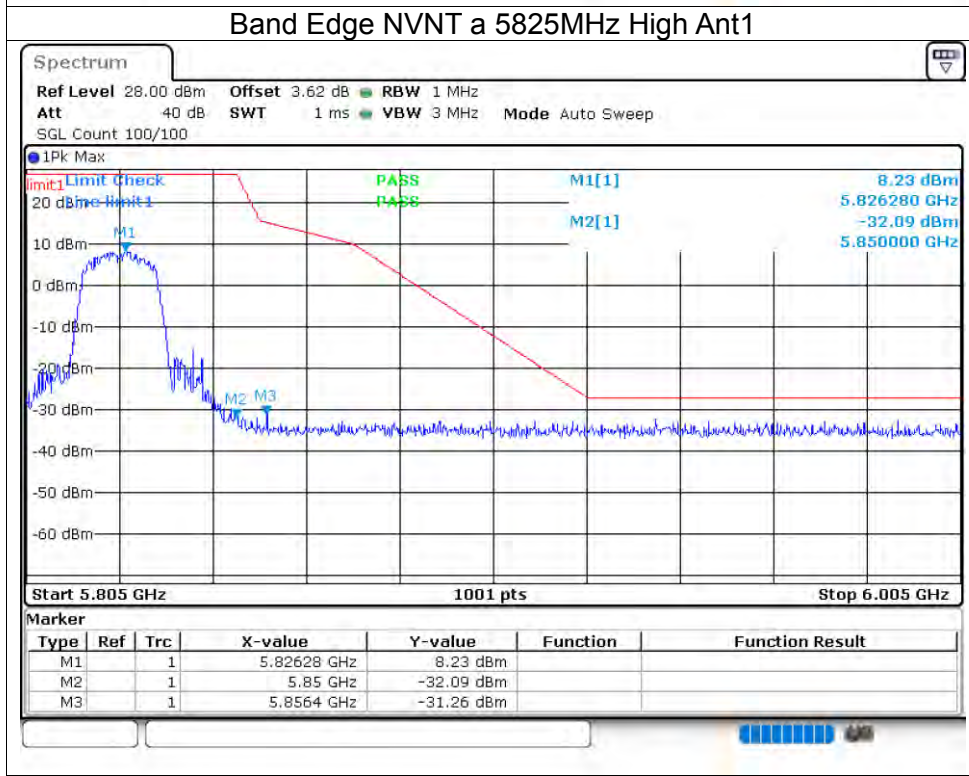
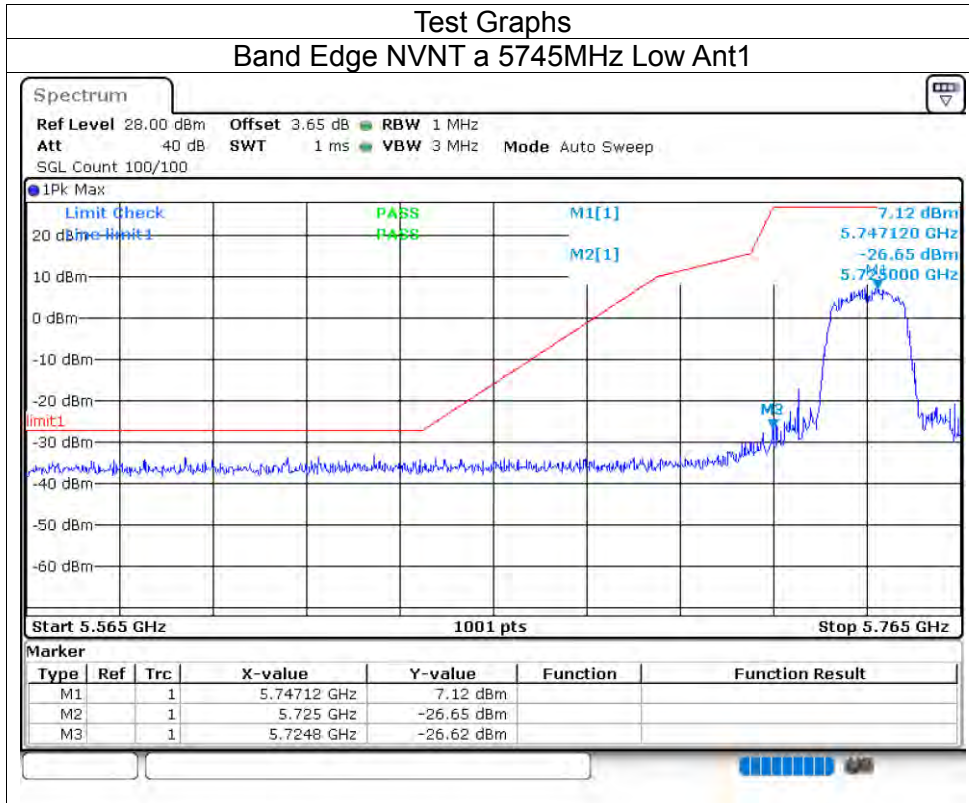


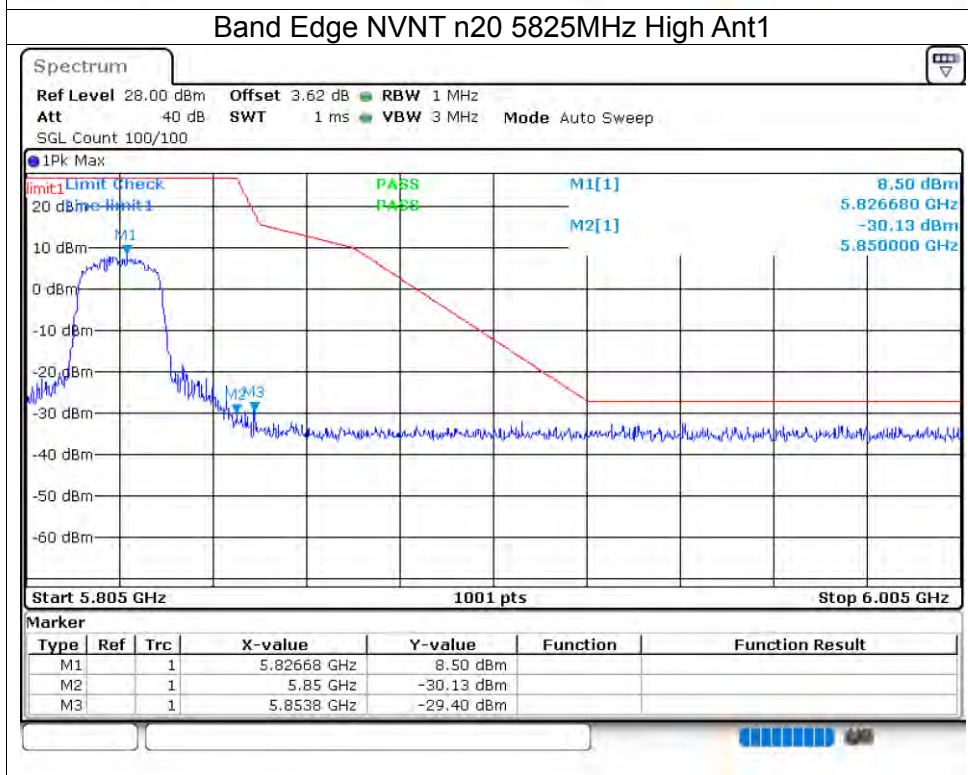
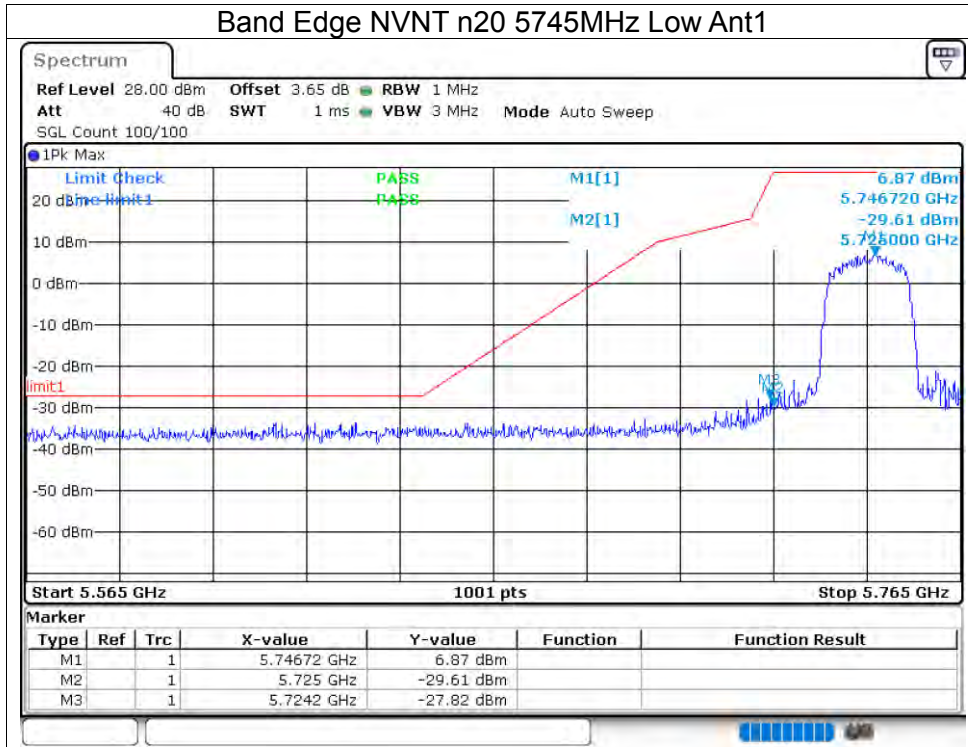




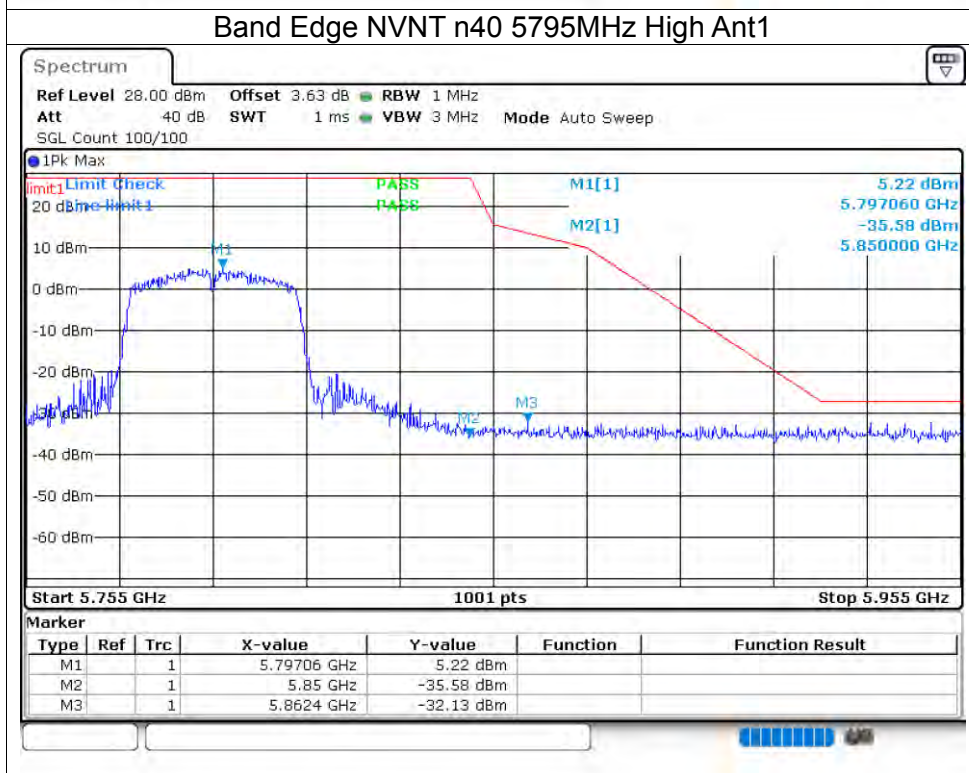
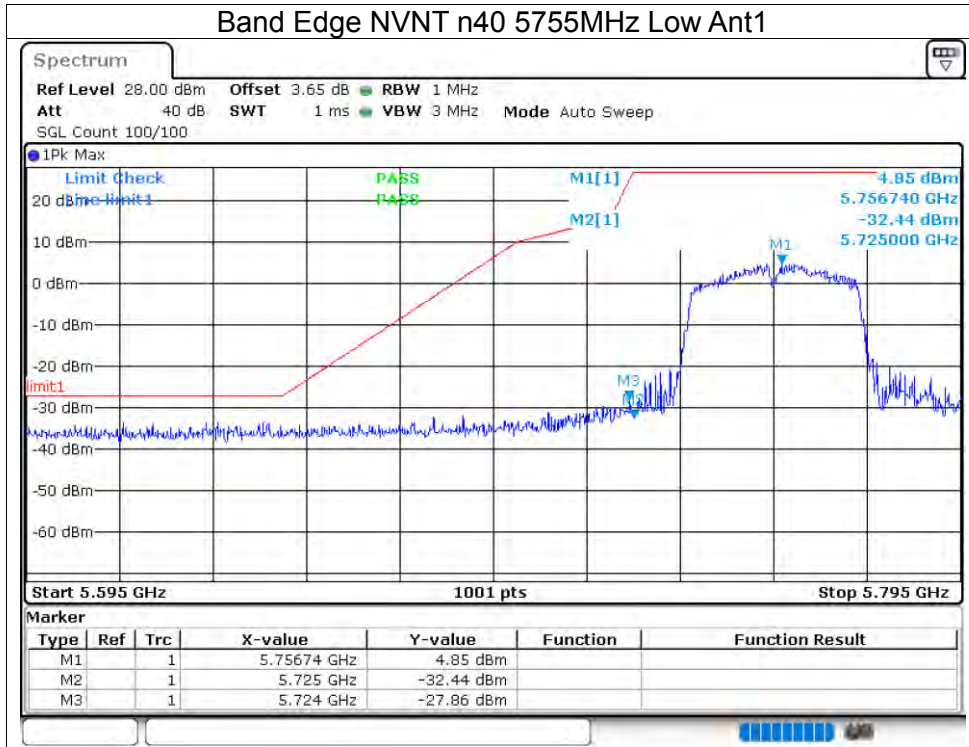
## 5.6 BAND EDGE

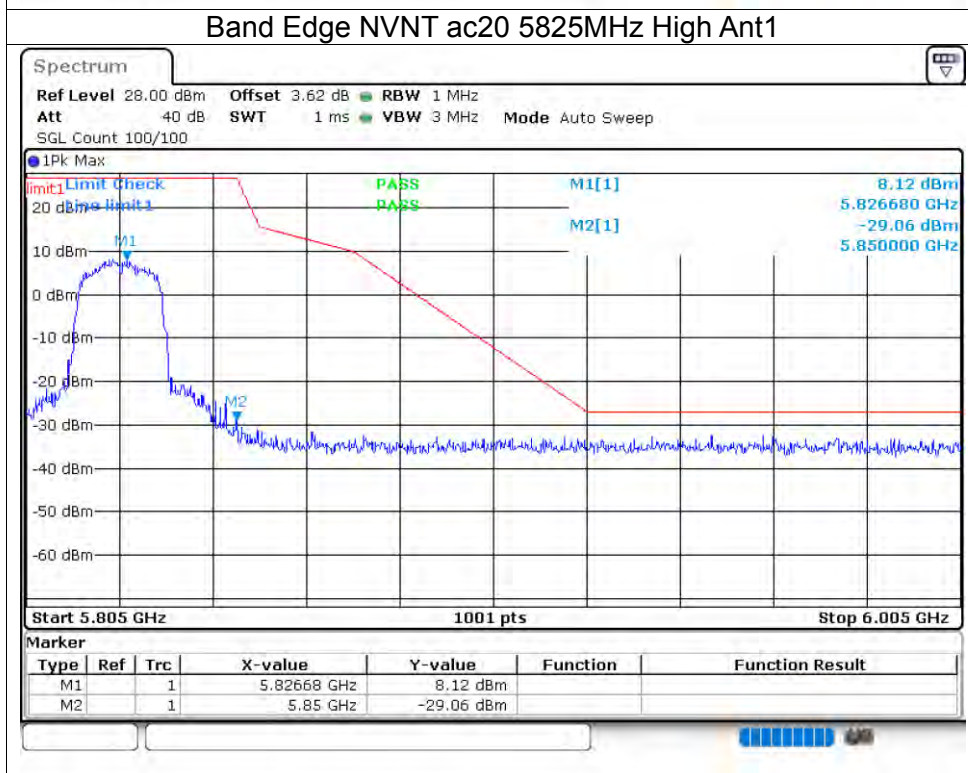
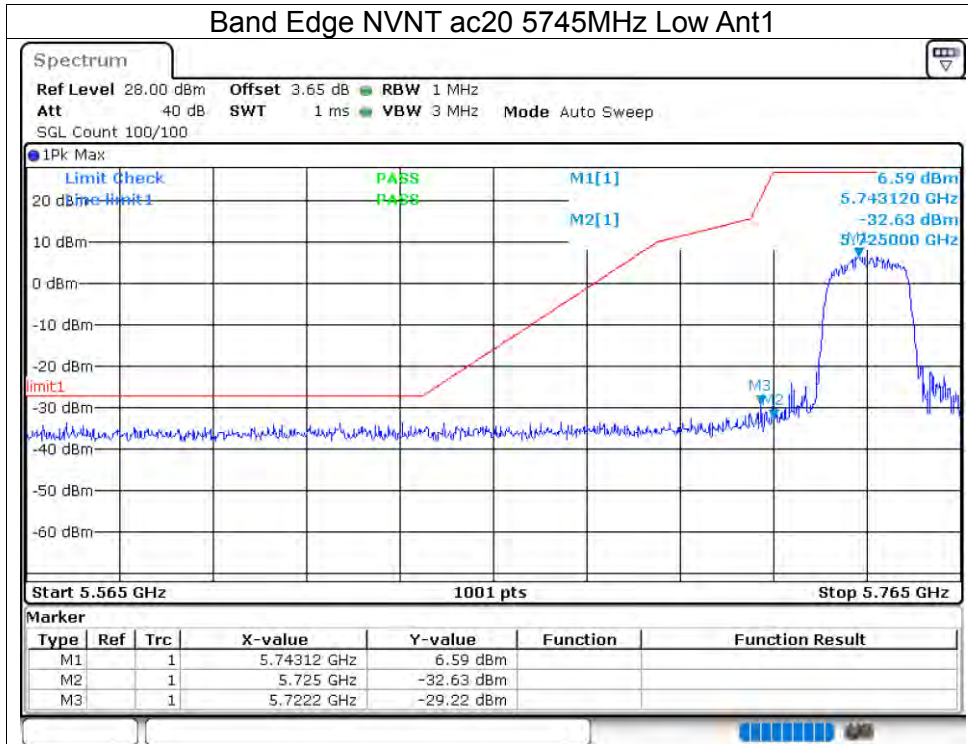
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------|---------|
| NVNT      | a    | 5745            | Ant1    | -26.61          | Pass    |
| NVNT      | a    | 5825            | Ant1    | -31.26          | Pass    |
| NVNT      | n20  | 5745            | Ant1    | -27.82          | Pass    |
| NVNT      | n20  | 5825            | Ant1    | -29.39          | Pass    |
| NVNT      | n40  | 5755            | Ant1    | -27.86          | Pass    |
| NVNT      | n40  | 5795            | Ant1    | -32.13          | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | -29.21          | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | -29.05          | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | -25.92          | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | -31.79          | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | -26.07          | Pass    |

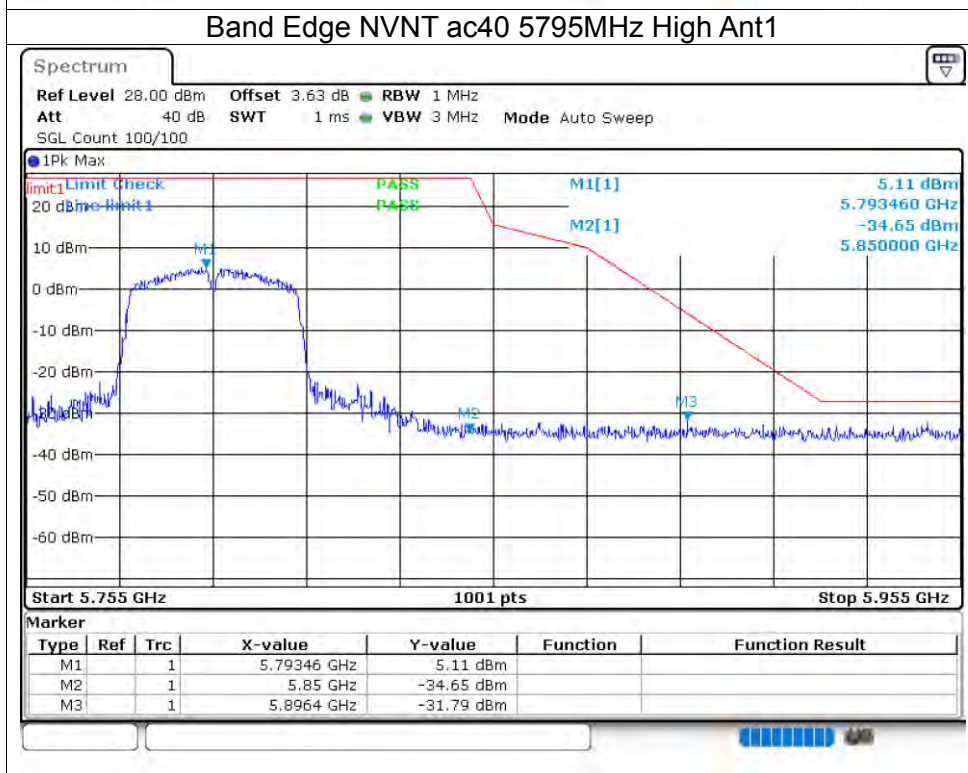
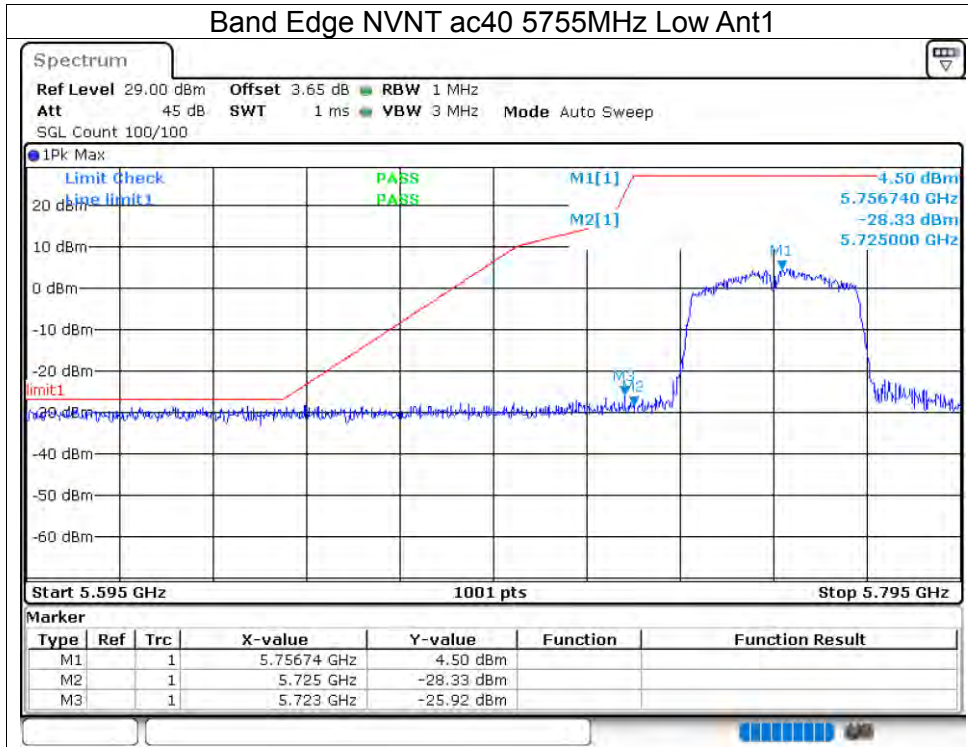


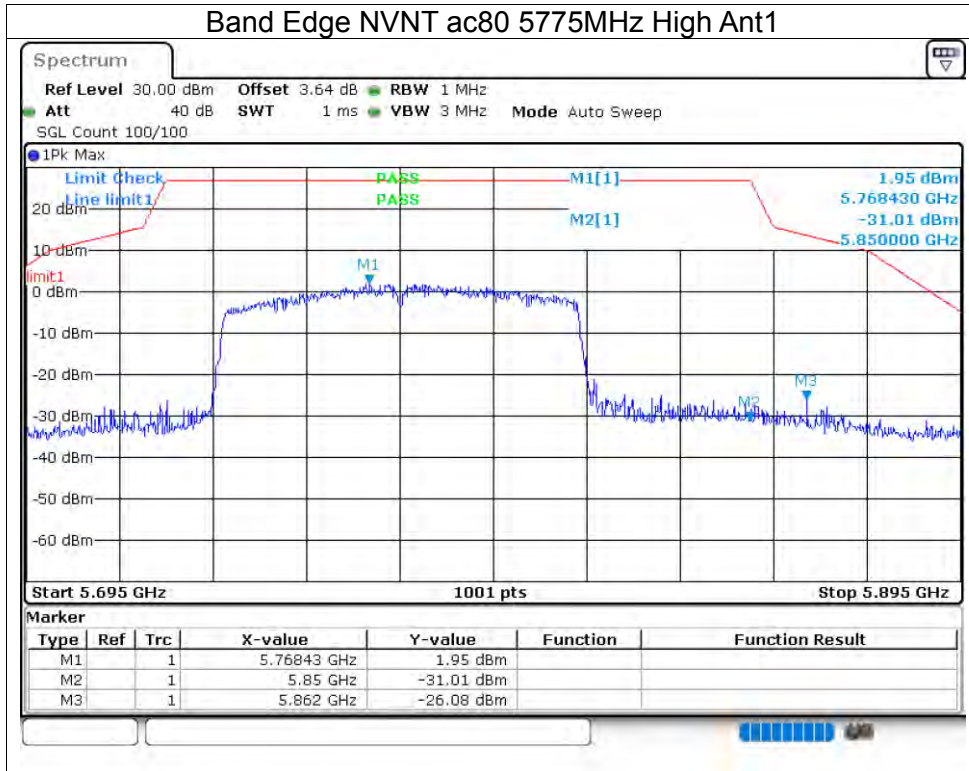






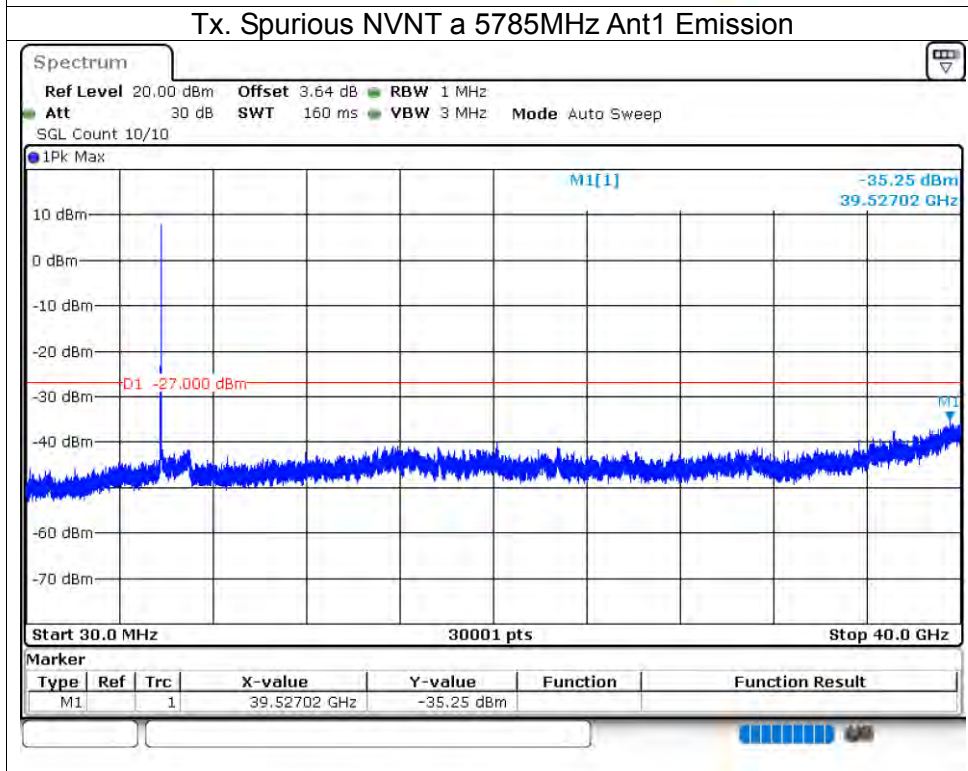
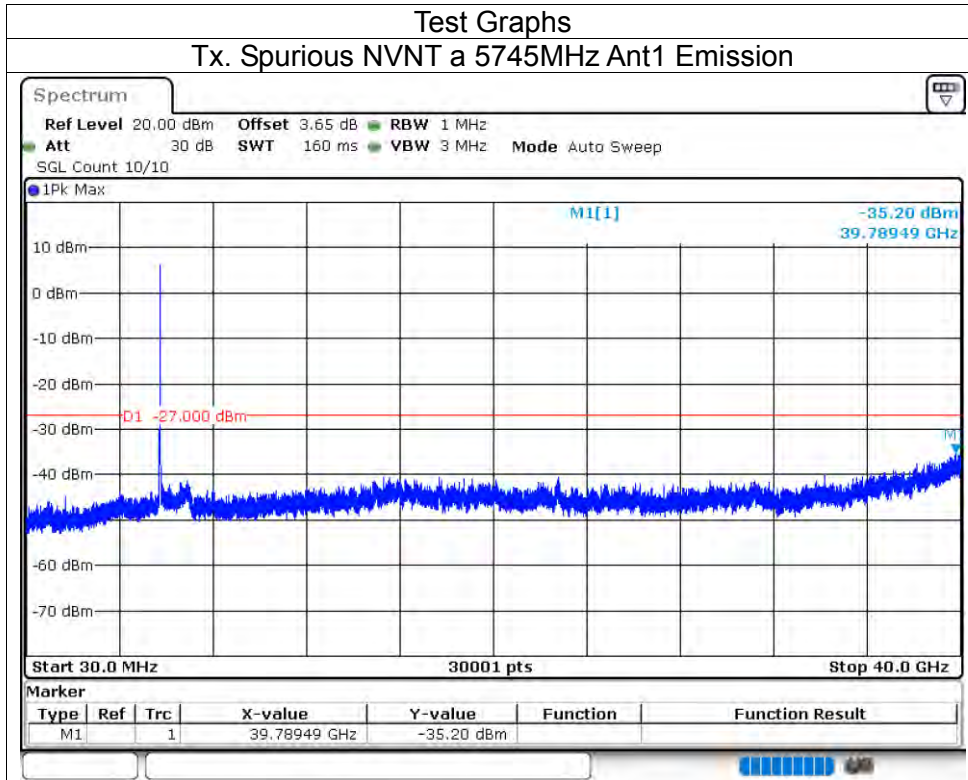


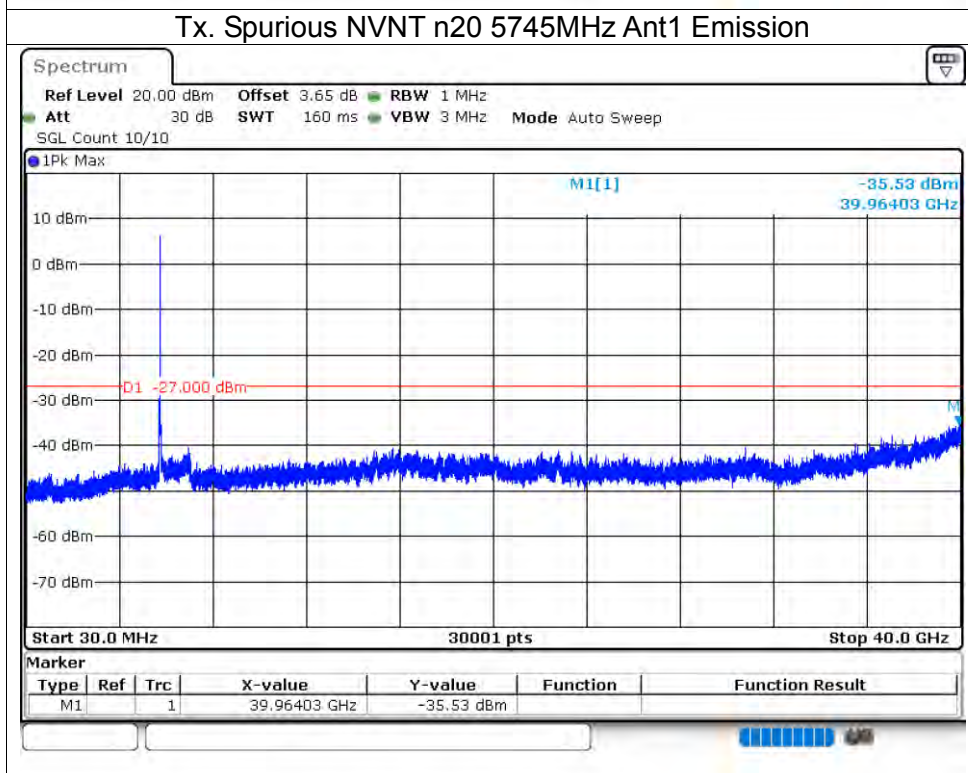
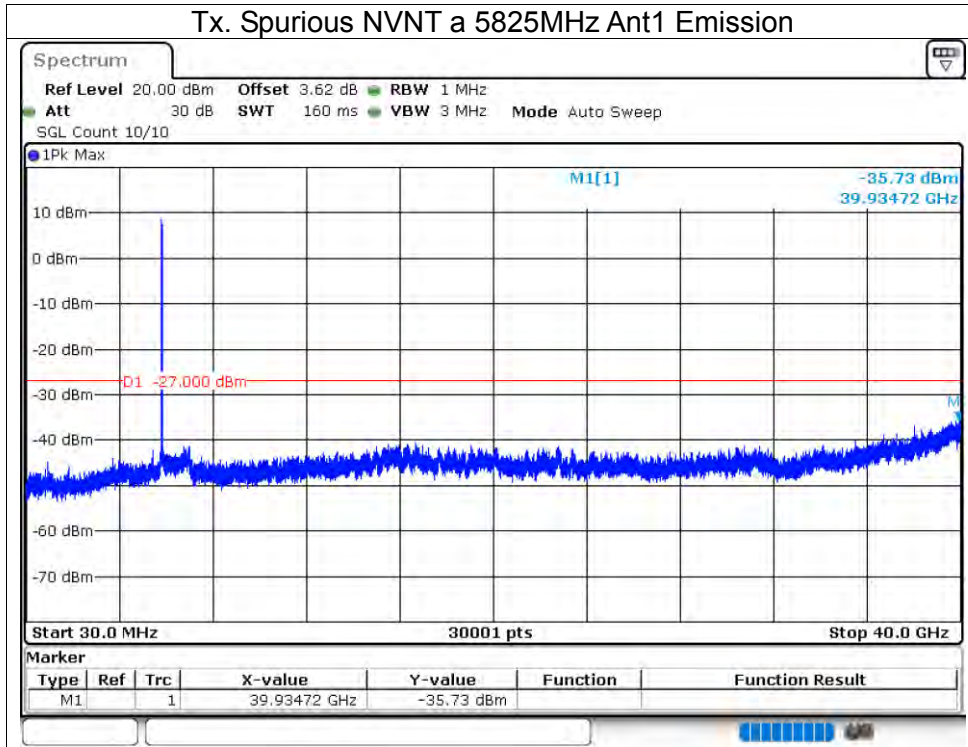


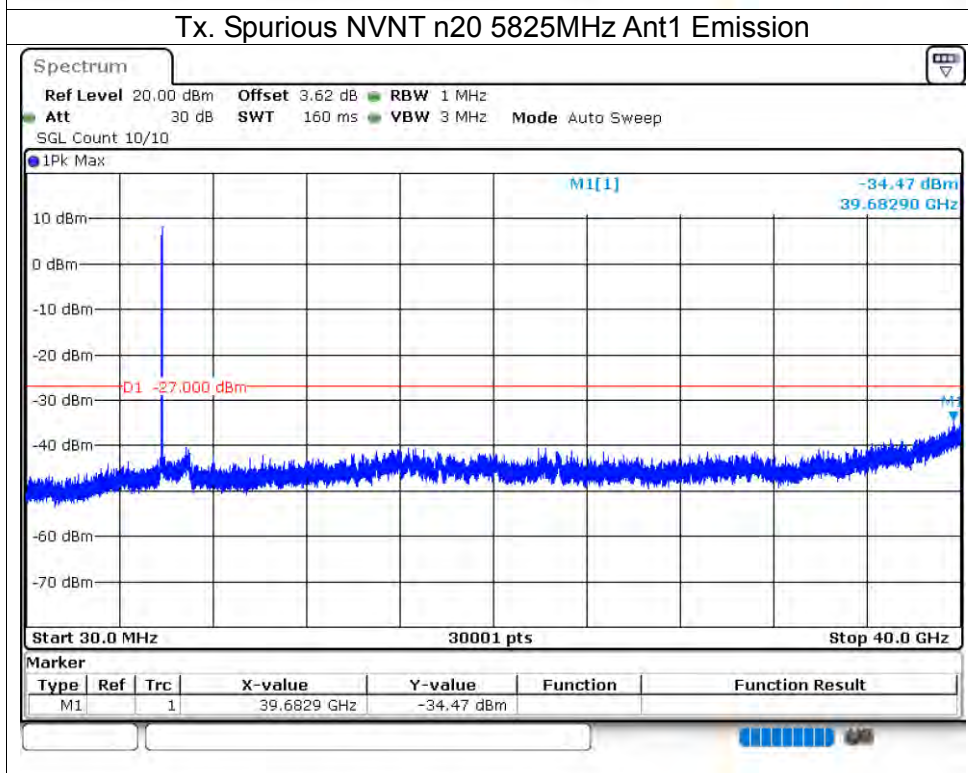
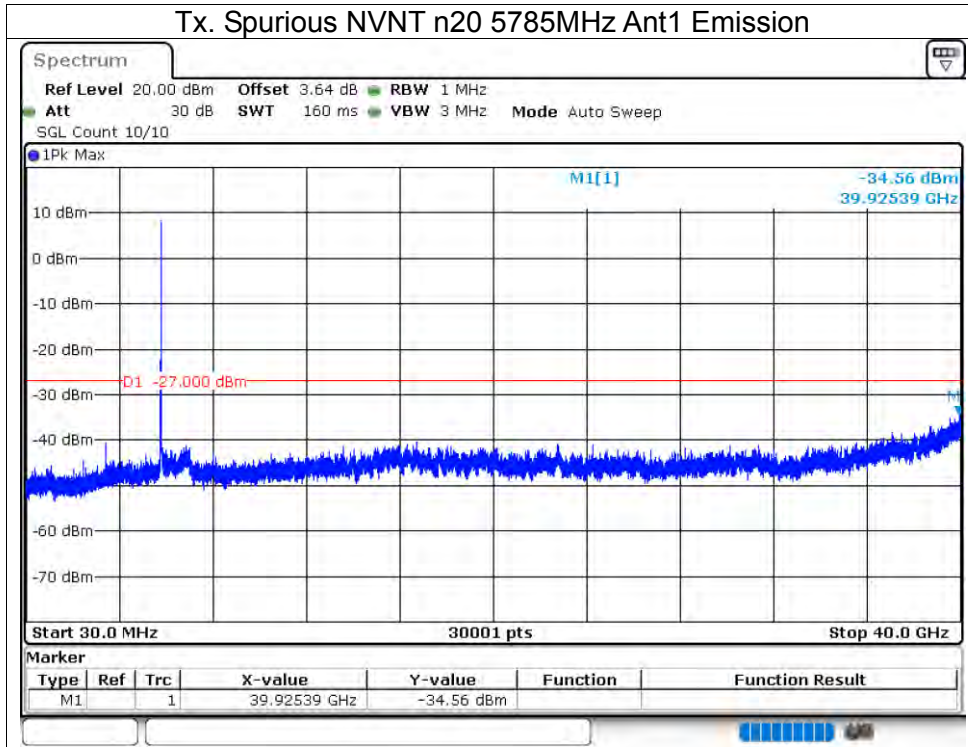


## 5.7 CONDUCTED RF SPURIOUS EMISSION

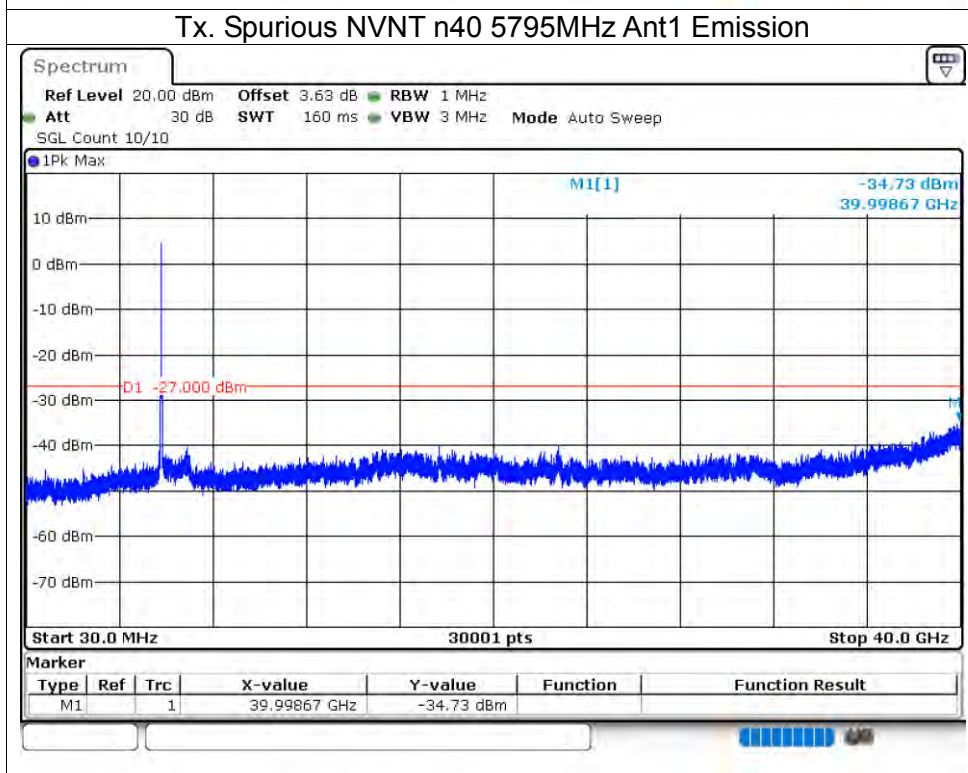
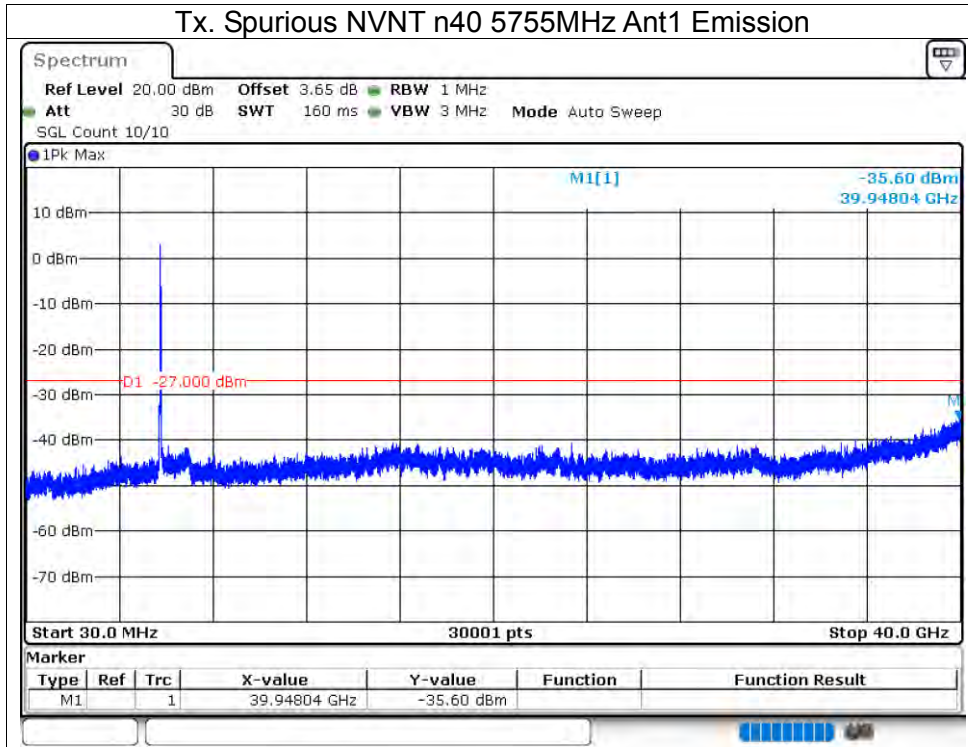
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | a    | 5745            | Ant1    | -35.2           | -27         | Pass    |
| NVNT      | a    | 5785            | Ant1    | -35.25          | -27         | Pass    |
| NVNT      | a    | 5825            | Ant1    | -35.73          | -27         | Pass    |
| NVNT      | n20  | 5745            | Ant1    | -35.52          | -27         | Pass    |
| NVNT      | n20  | 5785            | Ant1    | -34.55          | -27         | Pass    |
| NVNT      | n20  | 5825            | Ant1    | -34.47          | -27         | Pass    |
| NVNT      | n40  | 5755            | Ant1    | -35.59          | -27         | Pass    |
| NVNT      | n40  | 5795            | Ant1    | -34.72          | -27         | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | -35.62          | -27         | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | -34.75          | -27         | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | -35.39          | -27         | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | -34.97          | -27         | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | -34.62          | -27         | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | -35.17          | -27         | Pass    |

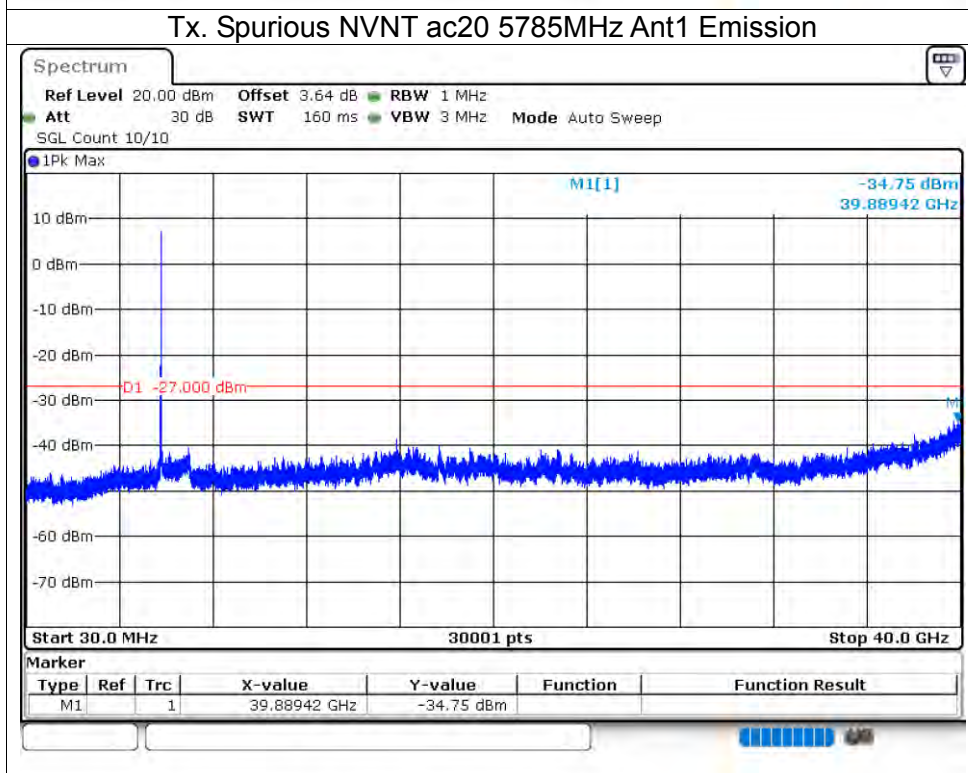
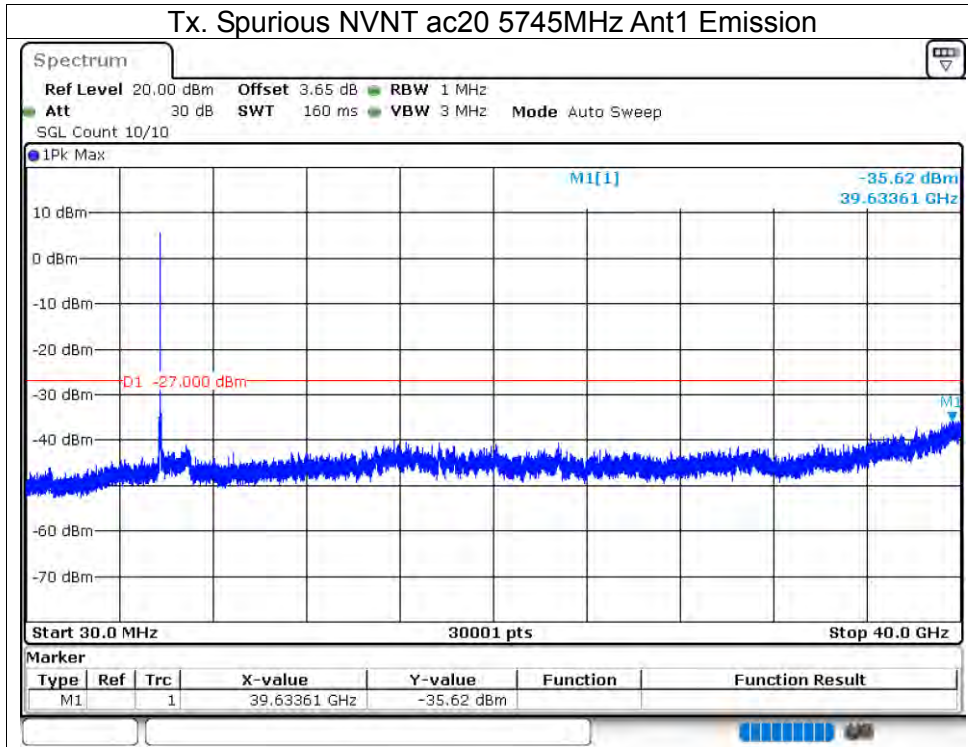


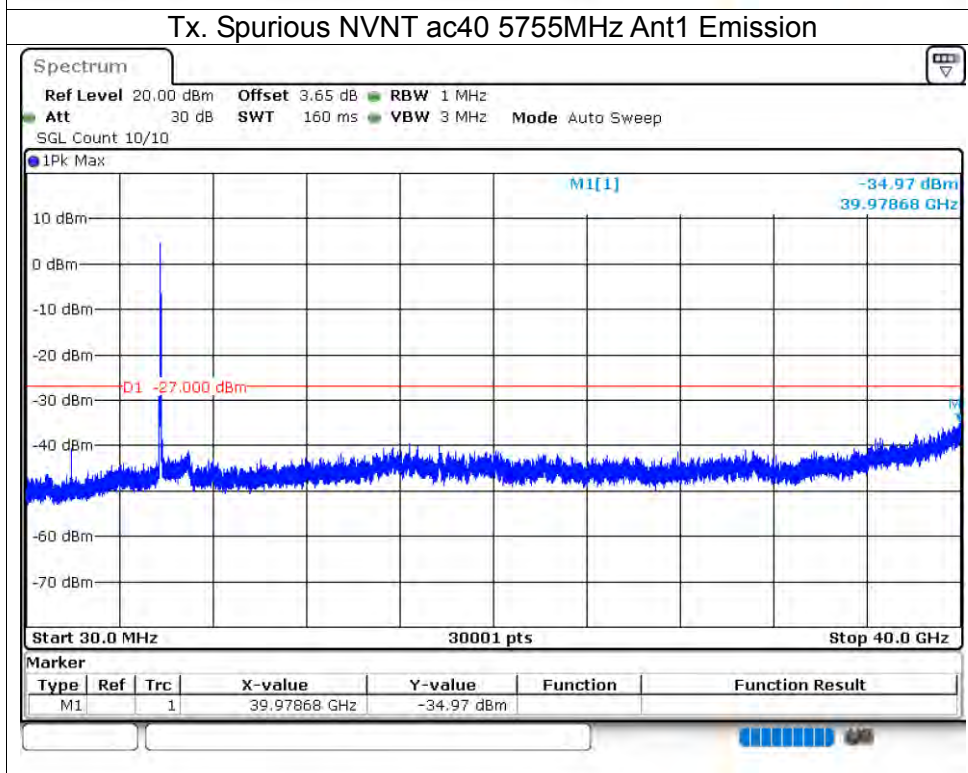
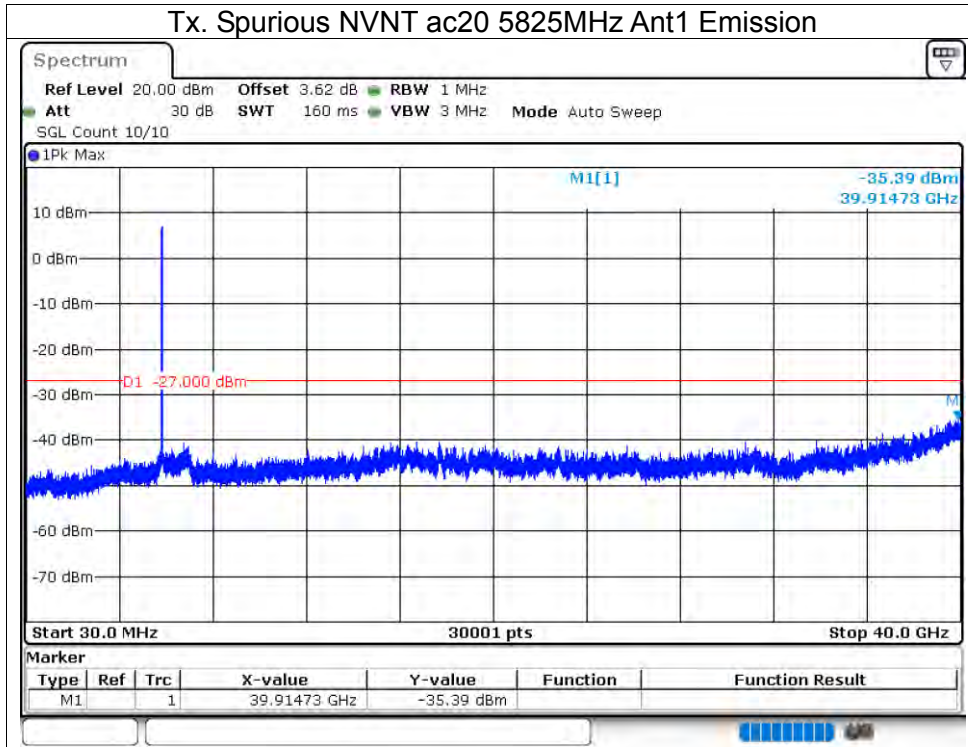


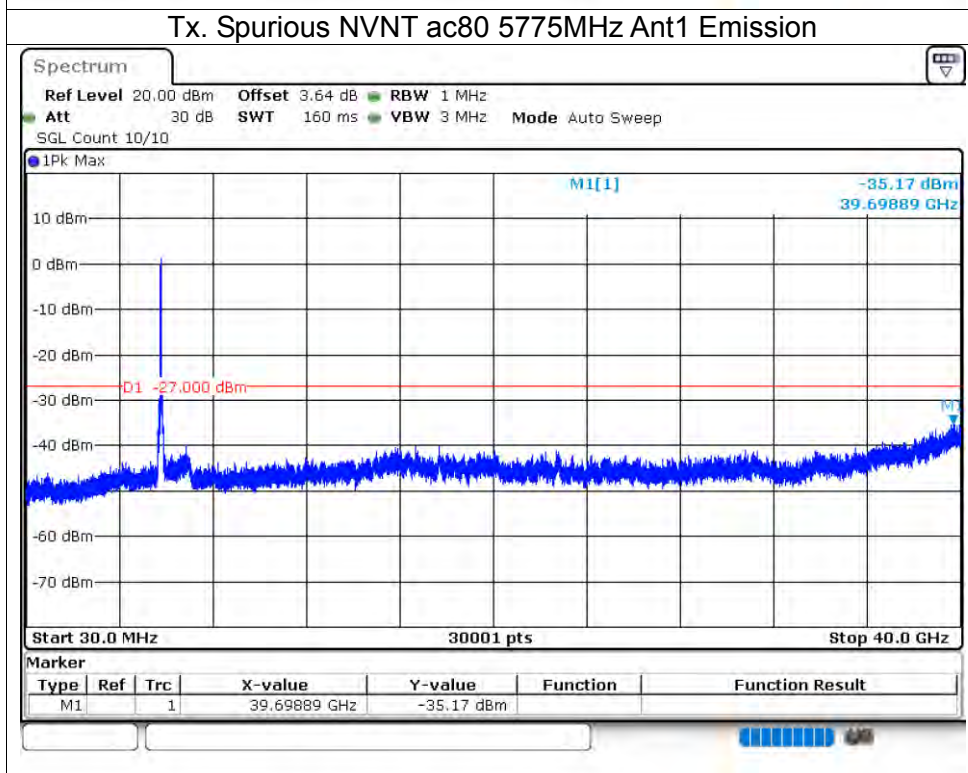
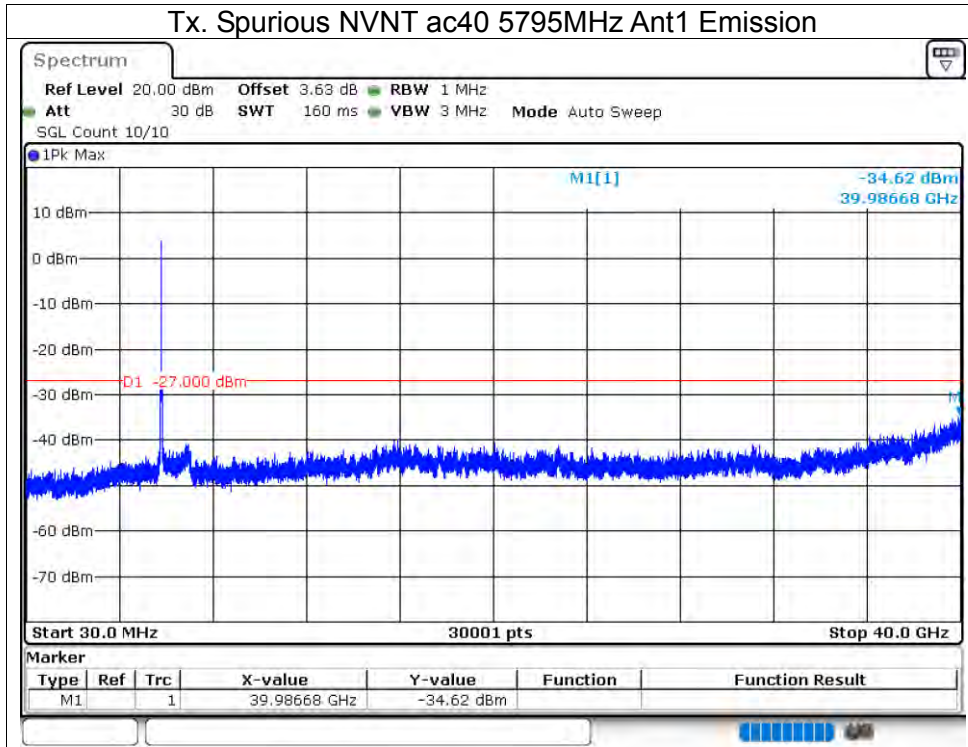












END OF REPORT