

## Appendix E

### RF Test Data for 5.8GWIFI (Conducted Measurement)

**Product Name: LED PROJECTOR**

**Test Model: L018AQ**

#### Environmental Conditions

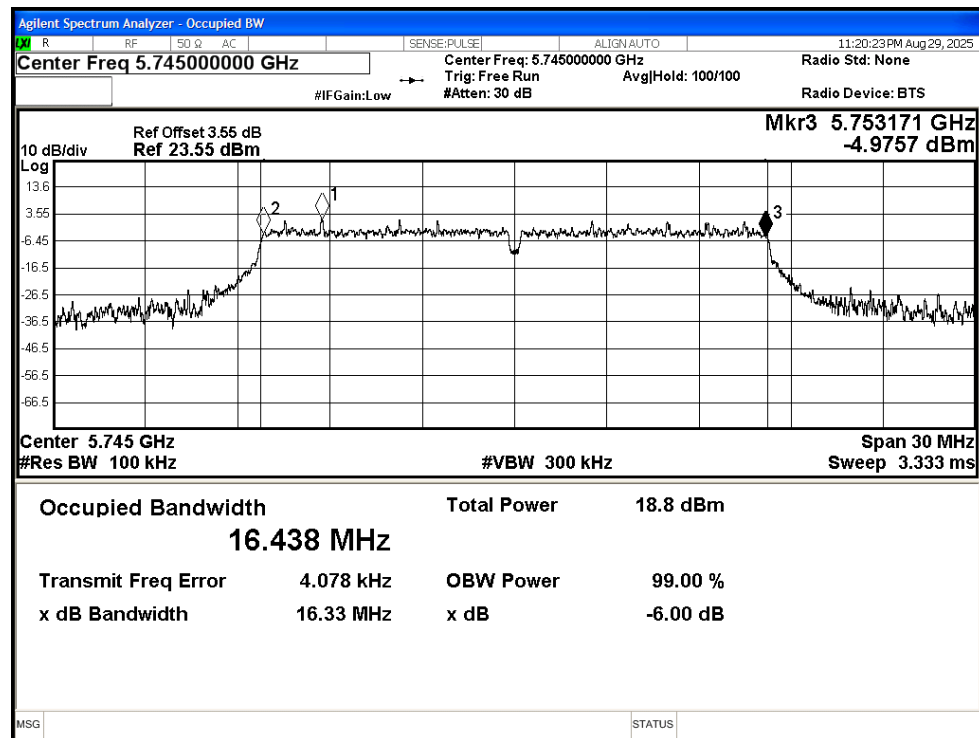
|                    |             |
|--------------------|-------------|
| Temperature:       | 23.6°C      |
| Relative Humidity: | 52.7%       |
| ATM Pressure:      | 100.0 kPa   |
| Test Engineer:     | Suichao Lai |
| Supervised by:     | Yan Chen    |

## E.1 -6dB Bandwidth

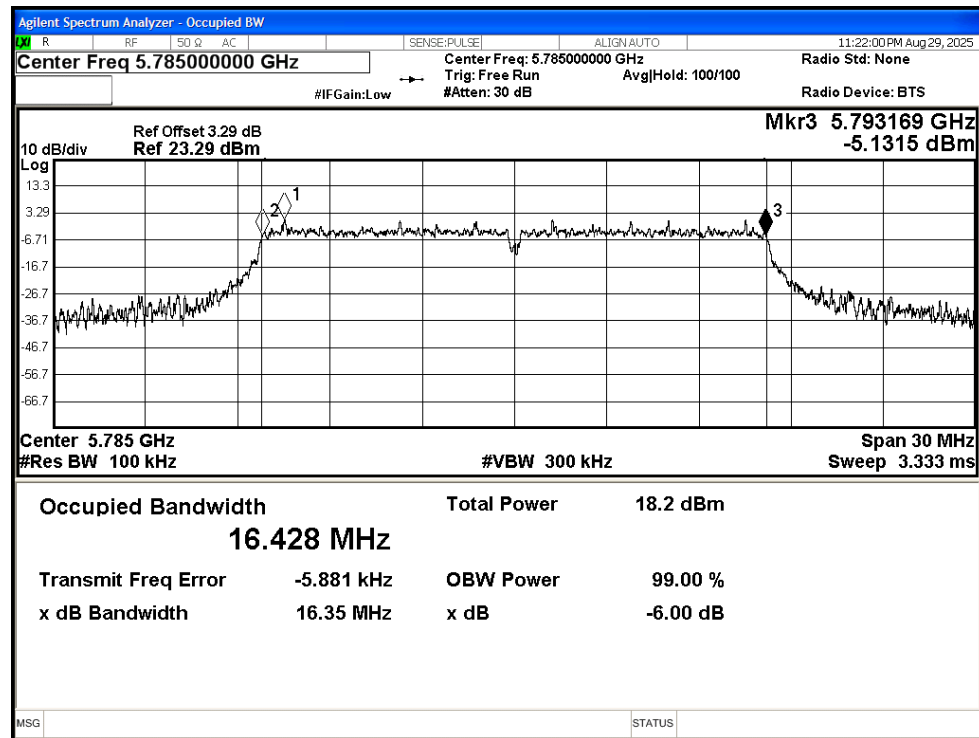
| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | a    | 5745            | Ant1    | 16.335                | $\geq 0.5$                  | Pass    |
| NVNT      | a    | 5785            | Ant1    | 16.35                 | $\geq 0.5$                  | Pass    |
| NVNT      | a    | 5825            | Ant1    | 16.337                | $\geq 0.5$                  | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 17.386                | $\geq 0.5$                  | Pass    |
| NVNT      | n20  | 5785            | Ant1    | 17.562                | $\geq 0.5$                  | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 17.267                | $\geq 0.5$                  | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 36.264                | $\geq 0.5$                  | Pass    |
| NVNT      | n40  | 5795            | Ant1    | 36.296                | $\geq 0.5$                  | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | 17.563                | $\geq 0.5$                  | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | 17.385                | $\geq 0.5$                  | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | 17.561                | $\geq 0.5$                  | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | 36.105                | $\geq 0.5$                  | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | 36.03                 | $\geq 0.5$                  | Pass    |

## Test Graphs

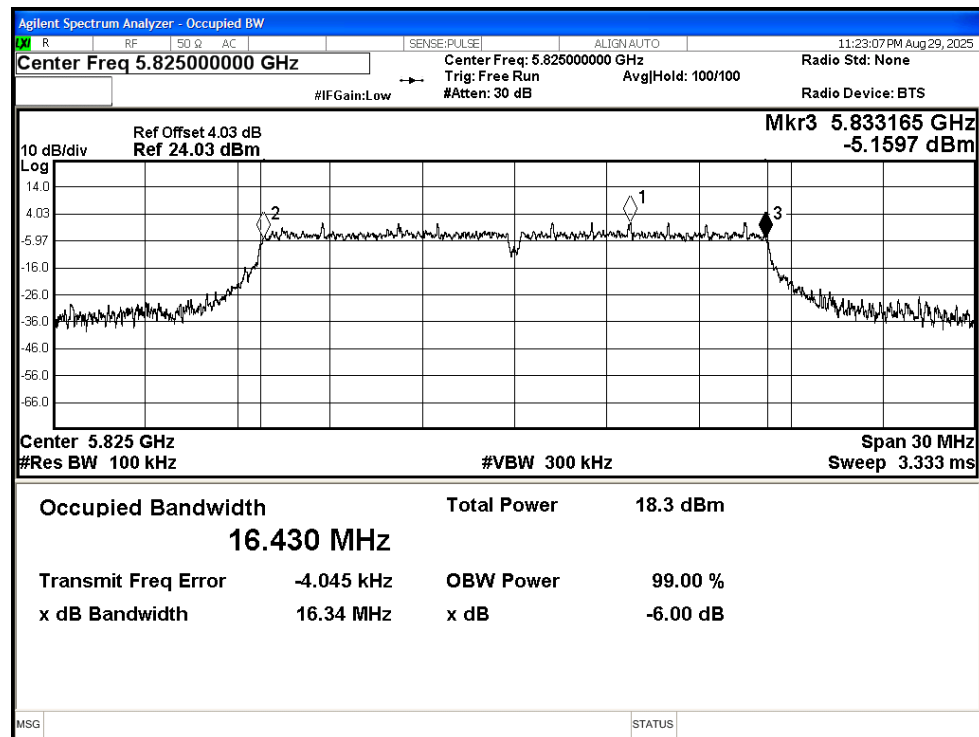
-6dB Bandwidth NVNT a 5745MHz Ant1



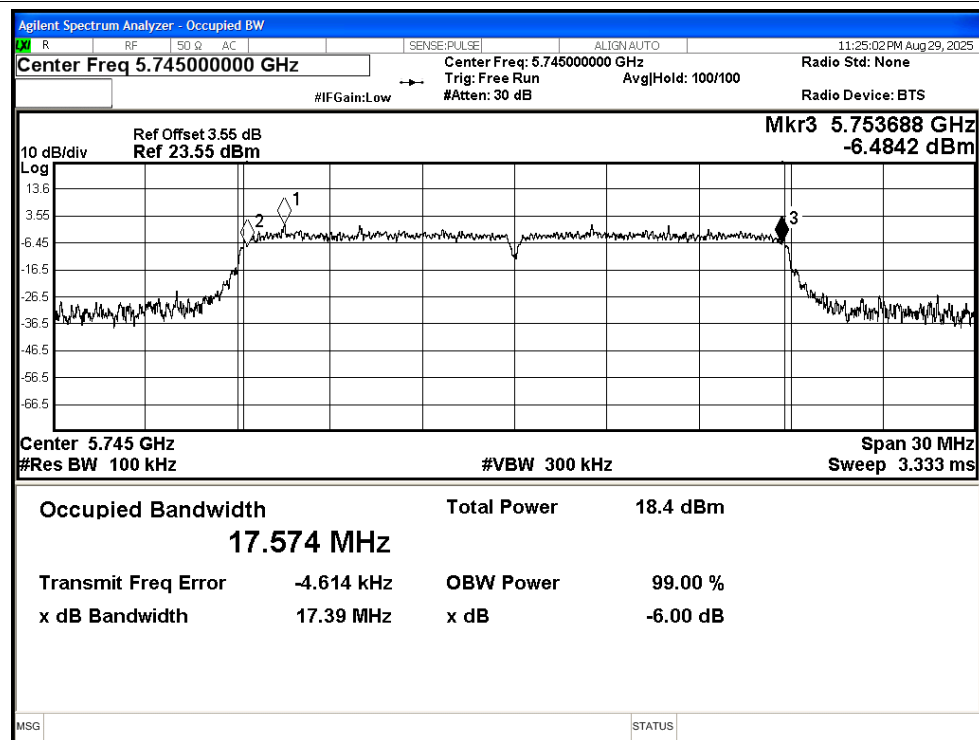
-6dB Bandwidth NVNT a 5785MHz Ant1



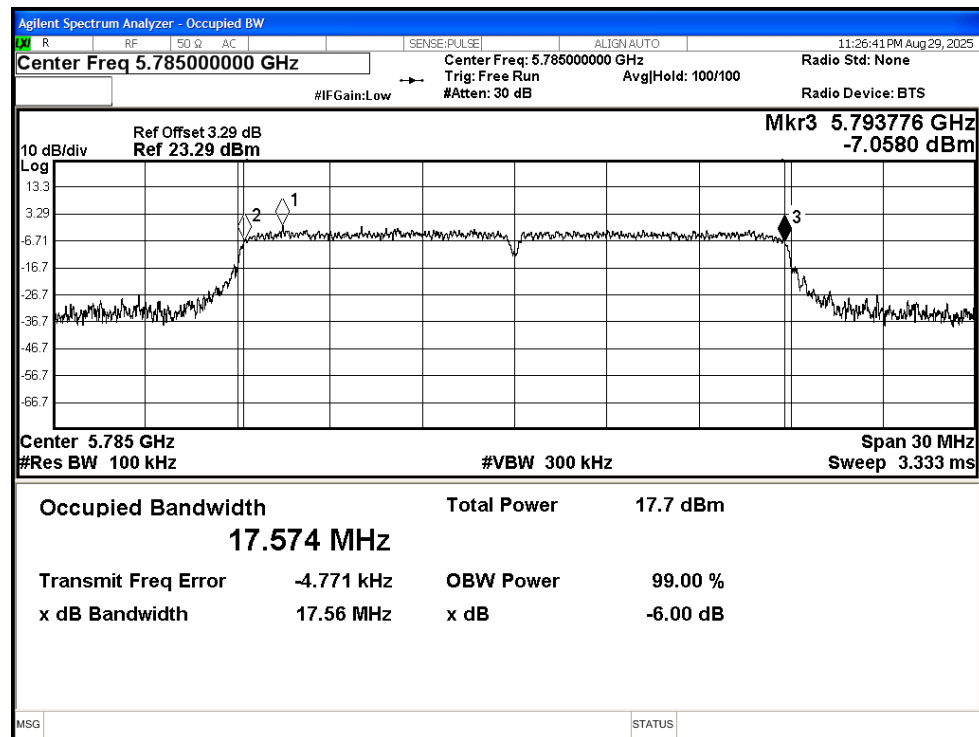
## -6dB Bandwidth NVNT a 5825MHz Ant1



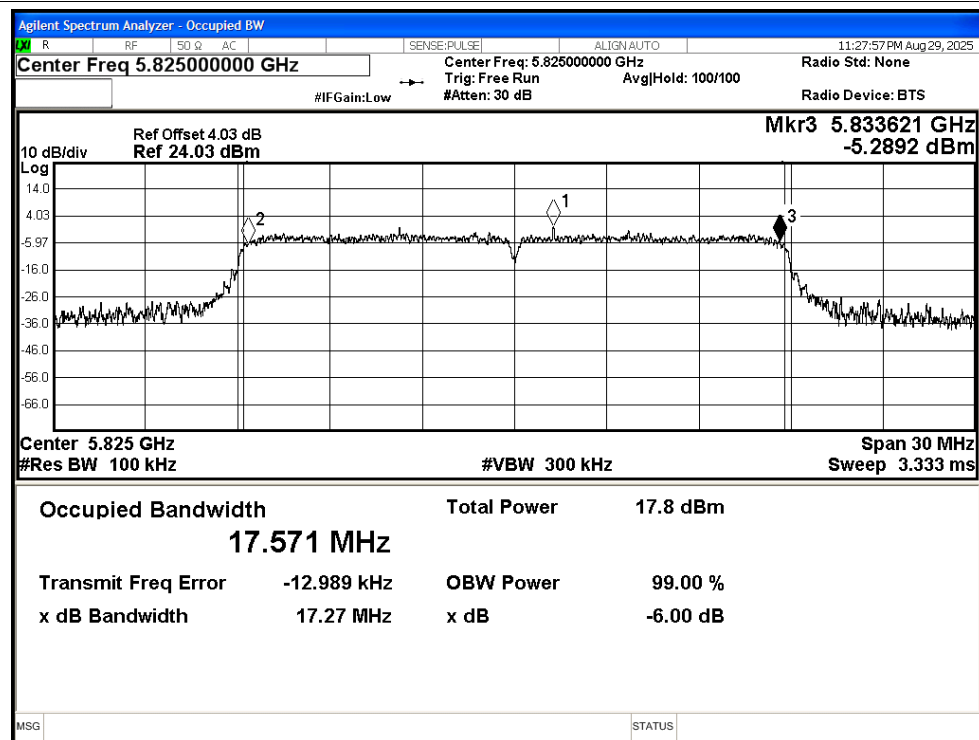
## -6dB Bandwidth NVNT n20 5745MHz Ant1



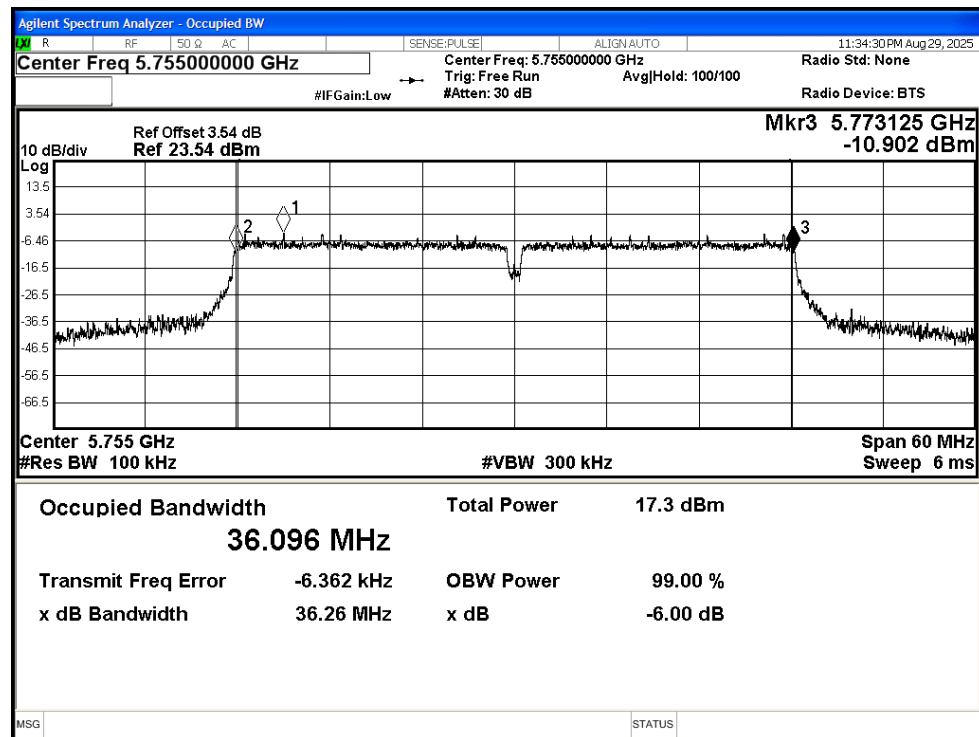
## -6dB Bandwidth NVNT n20 5785MHz Ant1



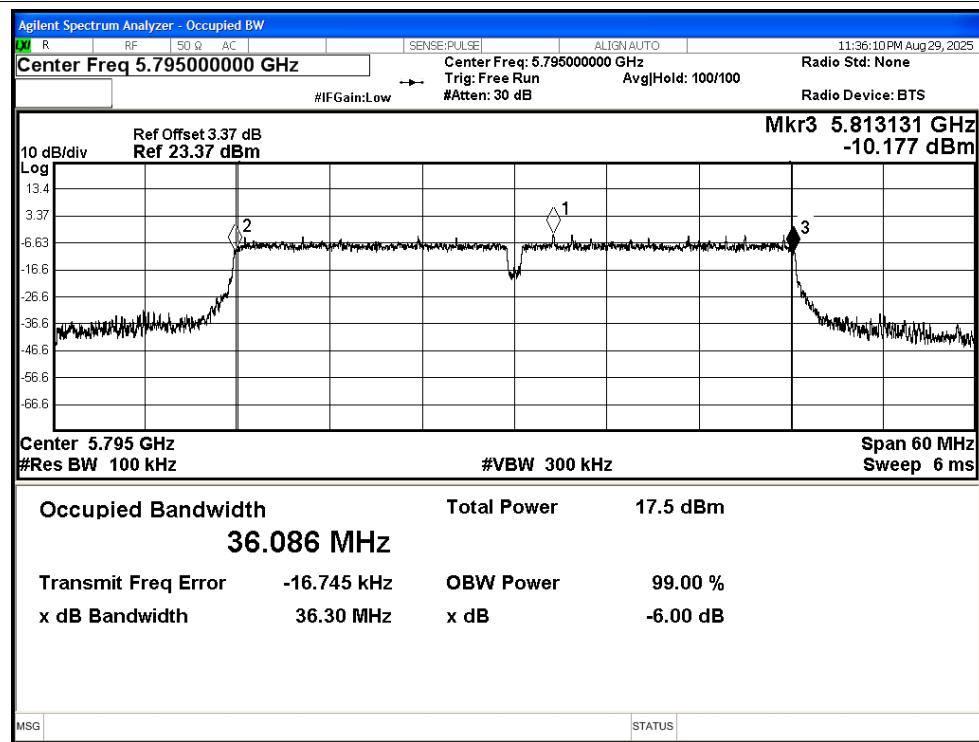
## -6dB Bandwidth NVNT n20 5825MHz Ant1



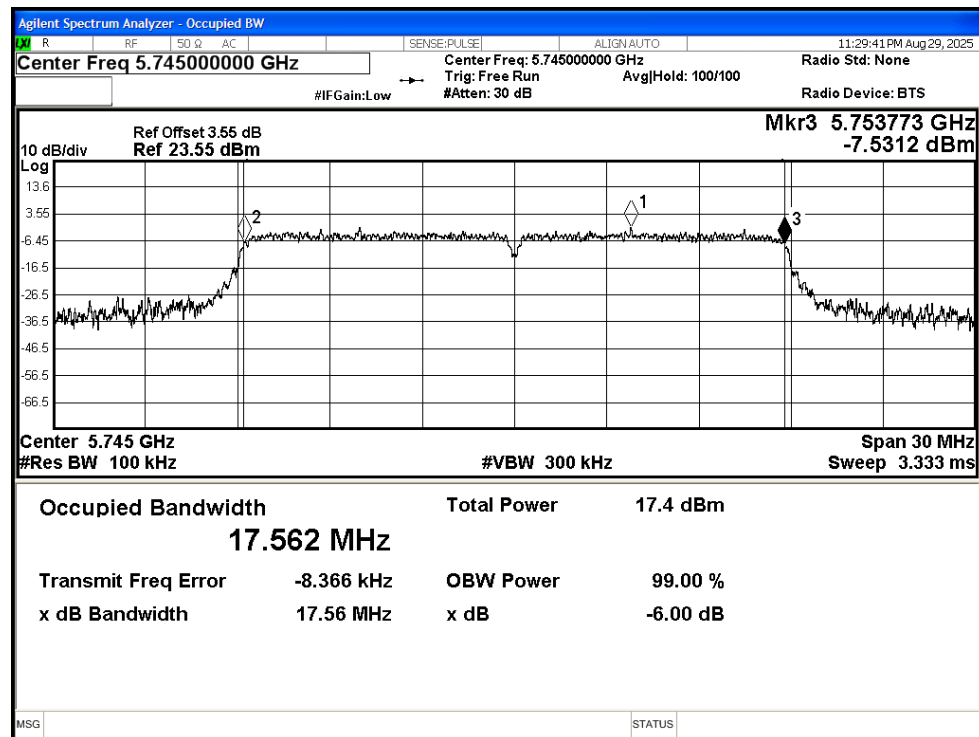
## -6dB Bandwidth NVNT n40 5755MHz Ant1



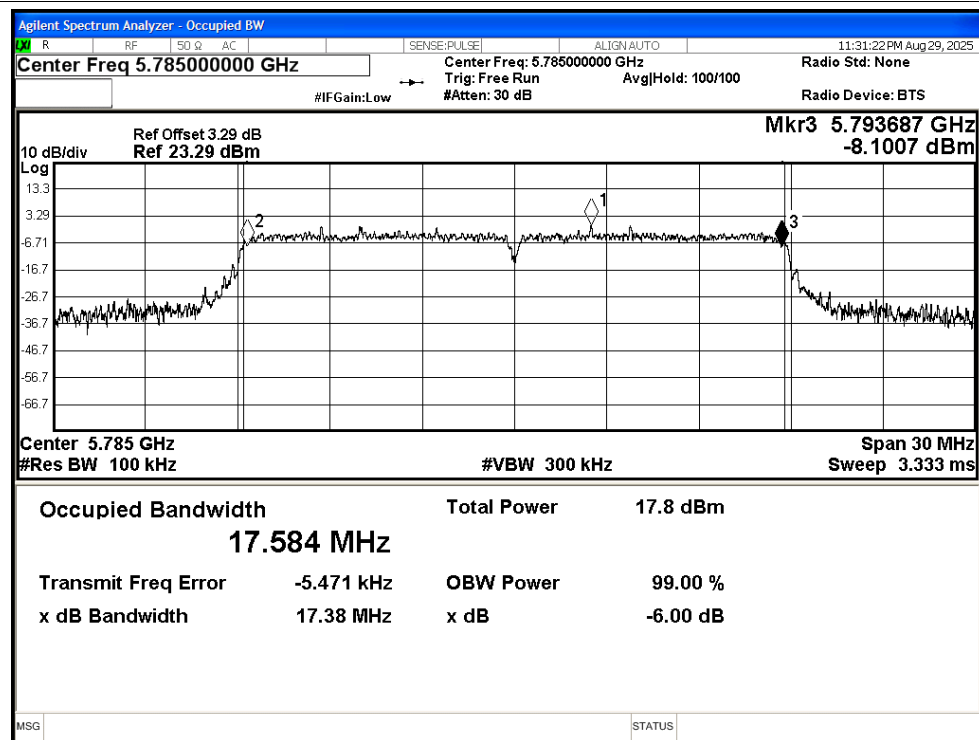
## -6dB Bandwidth NVNT n40 5795MHz Ant1



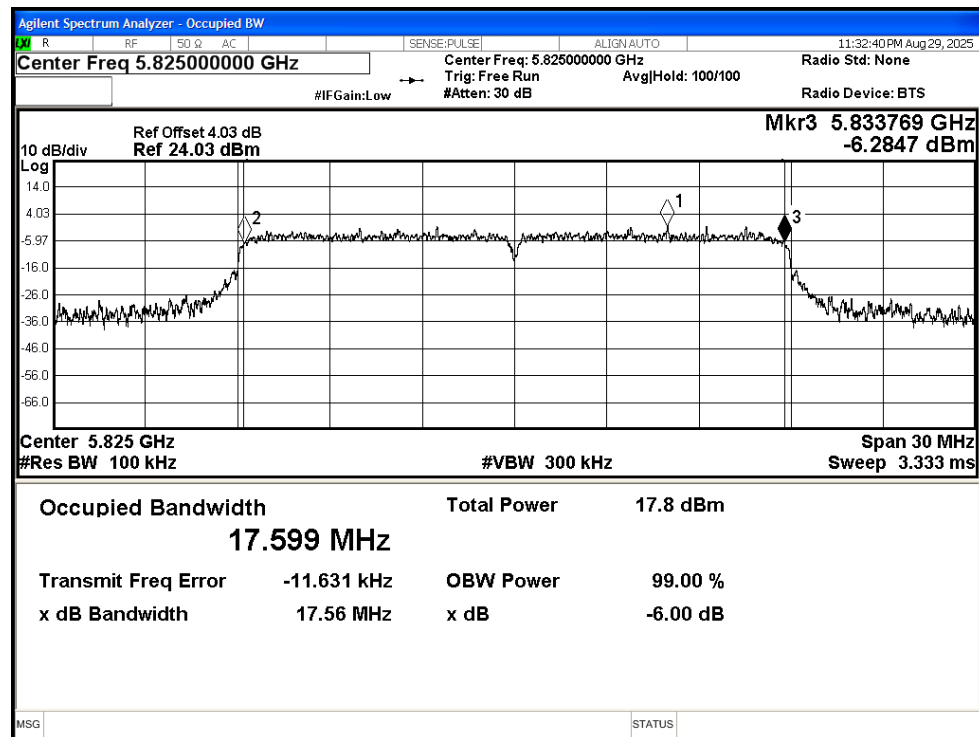
## -6dB Bandwidth NVNT ac20 5745MHz Ant1



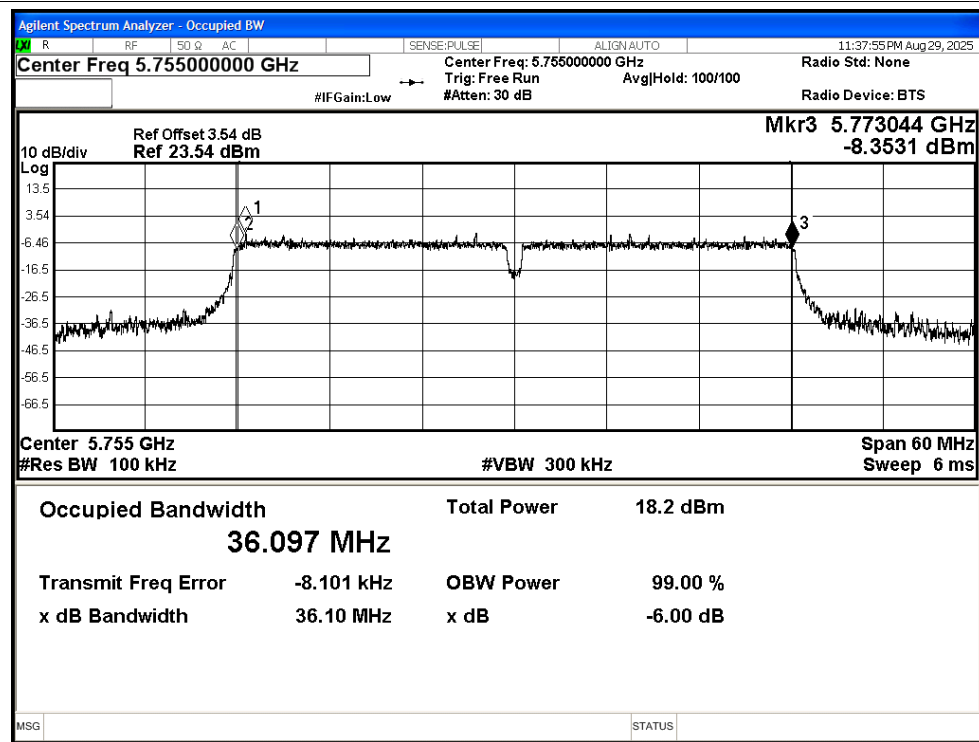
## -6dB Bandwidth NVNT ac20 5785MHz Ant1

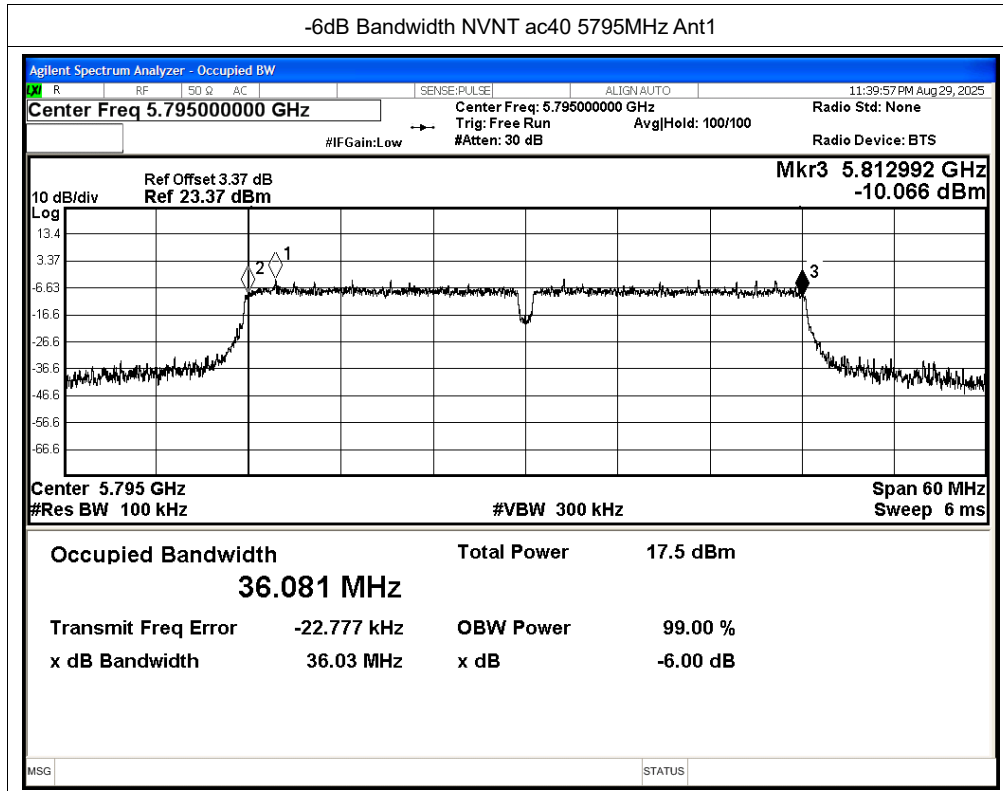


## -6dB Bandwidth NVNT ac20 5825MHz Ant1



## -6dB Bandwidth NVNT ac40 5755MHz Ant1





## E.2 Maximum Conducted Output Power

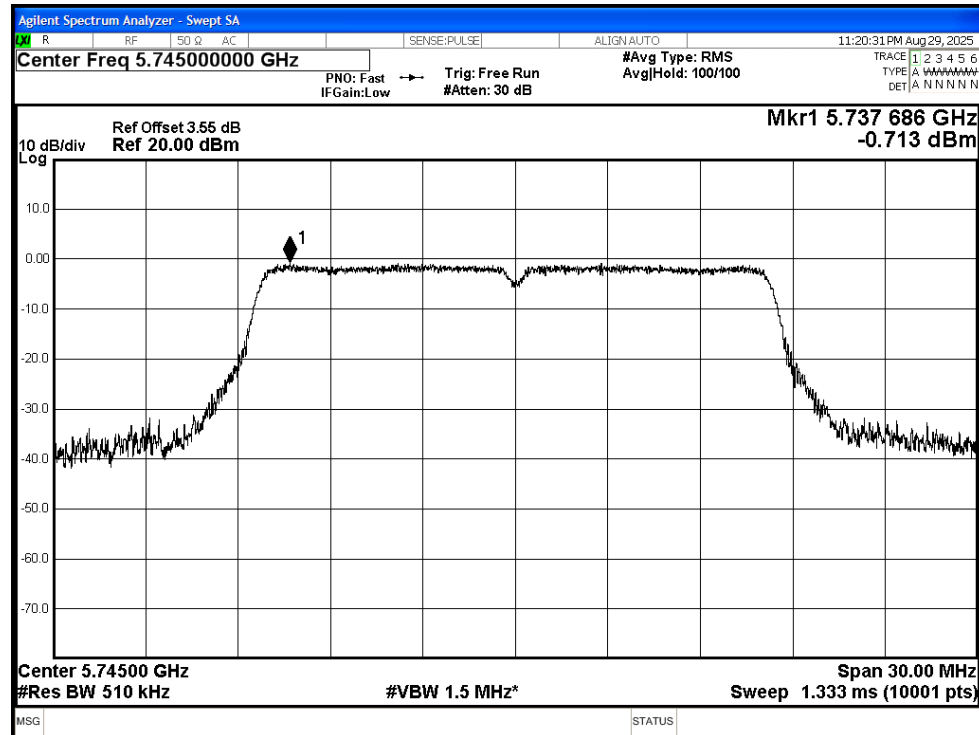
| Condition | Mode | Frequency<br>(MHz) | Antenna | Conducted Power<br>(dBm) | Duty Factor<br>(dB) | Total Power<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|------|--------------------|---------|--------------------------|---------------------|----------------------|----------------|---------|
| NVNT      | a    | 5745               | Ant1    | 12.83                    | 0.24                | 13.07                | 30             | Pass    |
| NVNT      | a    | 5785               | Ant1    | 12.12                    | 0.24                | 12.36                | 30             | Pass    |
| NVNT      | a    | 5825               | Ant1    | 12.25                    | 0.24                | 12.49                | 30             | Pass    |
| NVNT      | n20  | 5745               | Ant1    | 12.23                    | 0.12                | 12.35                | 30             | Pass    |
| NVNT      | n20  | 5785               | Ant1    | 11.54                    | 0.12                | 11.66                | 30             | Pass    |
| NVNT      | n20  | 5825               | Ant1    | 11.71                    | 0.12                | 11.83                | 30             | Pass    |
| NVNT      | n40  | 5755               | Ant1    | 10.79                    | 0.24                | 11.03                | 30             | Pass    |
| NVNT      | n40  | 5795               | Ant1    | 10.97                    | 0.24                | 11.21                | 30             | Pass    |
| NVNT      | ac20 | 5745               | Ant1    | 11.21                    | 0.12                | 11.33                | 30             | Pass    |
| NVNT      | ac20 | 5785               | Ant1    | 11.58                    | 0.12                | 11.7                 | 30             | Pass    |
| NVNT      | ac20 | 5825               | Ant1    | 11.62                    | 0.12                | 11.74                | 30             | Pass    |
| NVNT      | ac40 | 5755               | Ant1    | 11.68                    | 0.24                | 11.92                | 30             | Pass    |
| NVNT      | ac40 | 5795               | Ant1    | 10.92                    | 0.24                | 11.16                | 30             | Pass    |

### E.3 Maximum Power Spectral Density Level

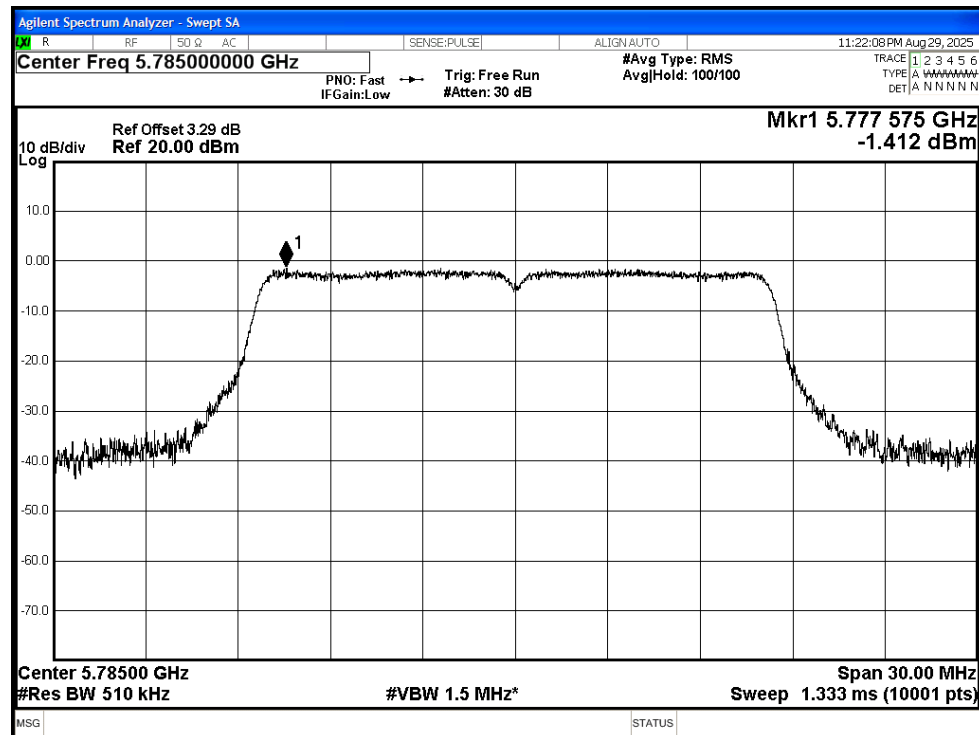
| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm/500KHz) | Duty Factor (dB) | Total PSD (dBm/500KHz) | Limit (dBm/500KHz) | Verdict |
|-----------|------|-----------------|---------|----------------------------|------------------|------------------------|--------------------|---------|
| NVNT      | a    | 5745            | Ant1    | -0.71                      | 0.24             | -0.47                  | 30                 | Pass    |
| NVNT      | a    | 5785            | Ant1    | -1.41                      | 0.24             | -1.17                  | 30                 | Pass    |
| NVNT      | a    | 5825            | Ant1    | -1.31                      | 0.24             | -1.07                  | 30                 | Pass    |
| NVNT      | n20  | 5745            | Ant1    | -1.64                      | 0.12             | -1.52                  | 30                 | Pass    |
| NVNT      | n20  | 5785            | Ant1    | -2.39                      | 0.12             | -2.27                  | 30                 | Pass    |
| NVNT      | n20  | 5825            | Ant1    | -2.21                      | 0.12             | -2.09                  | 30                 | Pass    |
| NVNT      | n40  | 5755            | Ant1    | -5.65                      | 0.24             | -5.41                  | 30                 | Pass    |
| NVNT      | n40  | 5795            | Ant1    | -5.81                      | 0.24             | -5.57                  | 30                 | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | -2.64                      | 0.12             | -2.52                  | 30                 | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | -2.06                      | 0.12             | -1.94                  | 30                 | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | -2.22                      | 0.12             | -2.1                   | 30                 | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | -5.1                       | 0.24             | -4.86                  | 30                 | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | -6.02                      | 0.24             | -5.78                  | 30                 | Pass    |

## Test Graphs

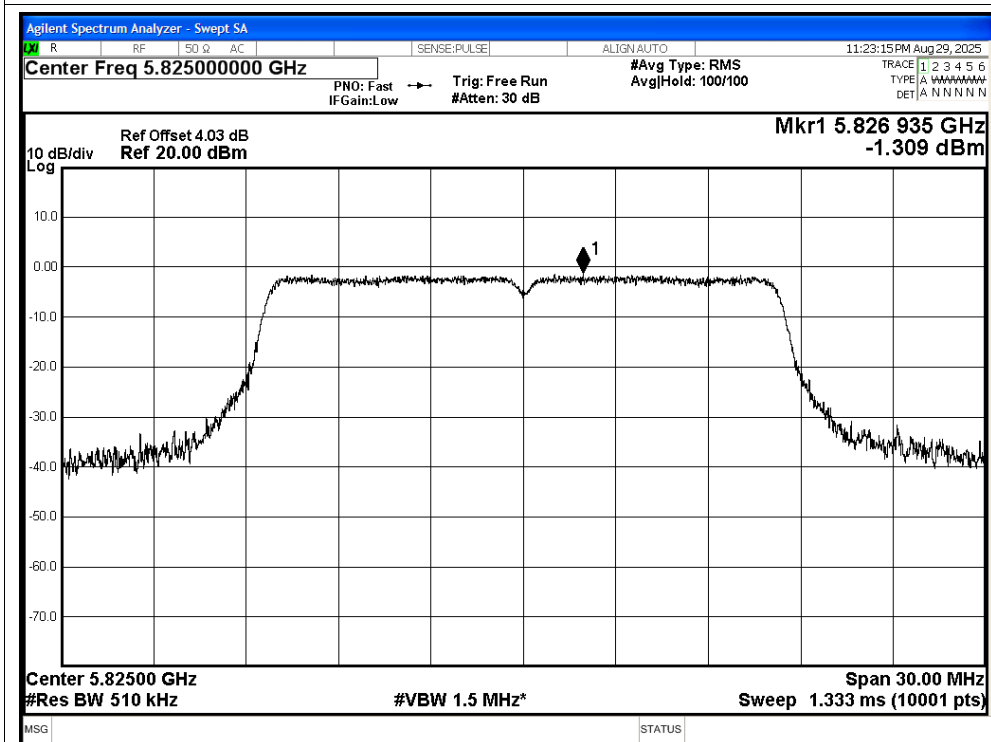
## PSD NVNT a 5745MHz Ant1



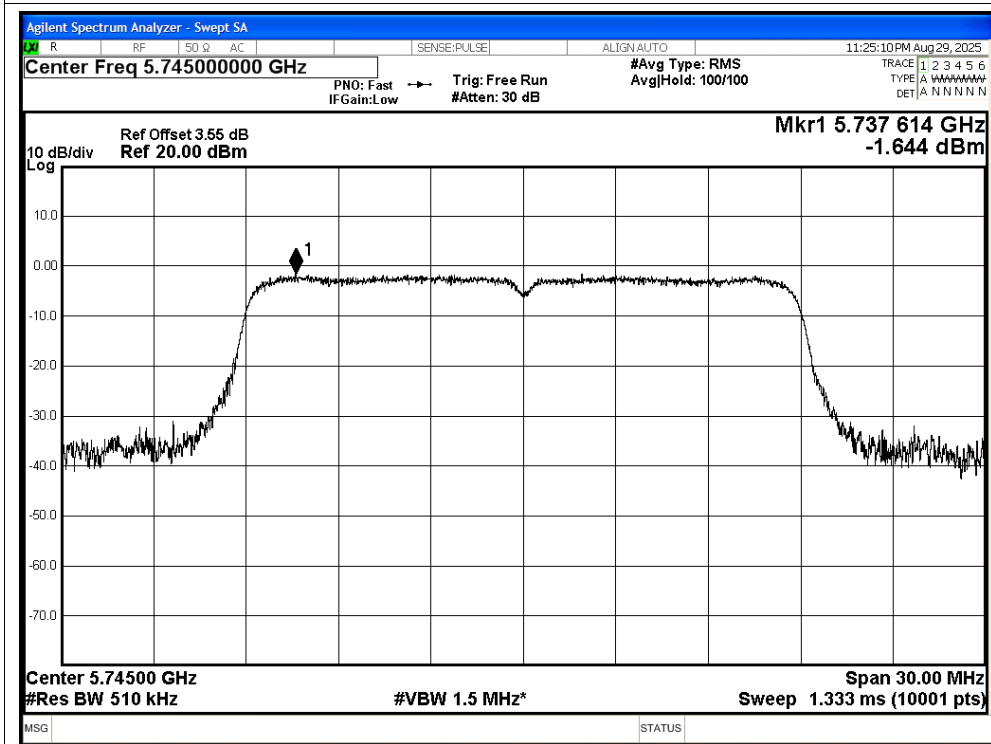
## PSD NVNT a 5785MHz Ant1

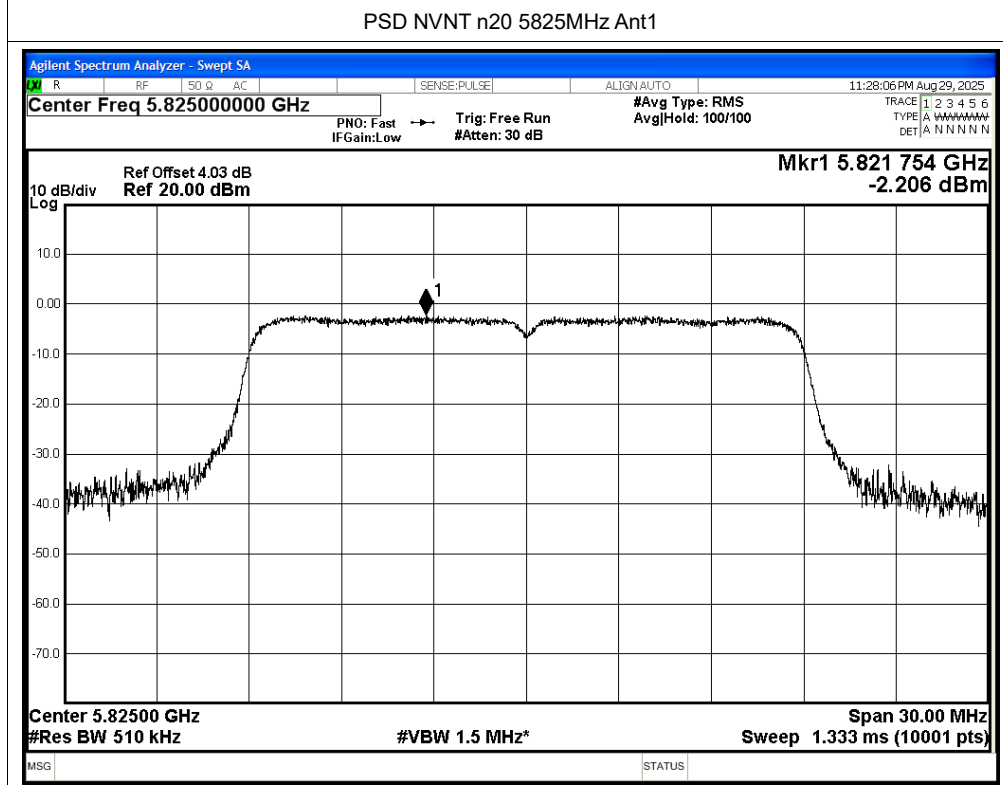
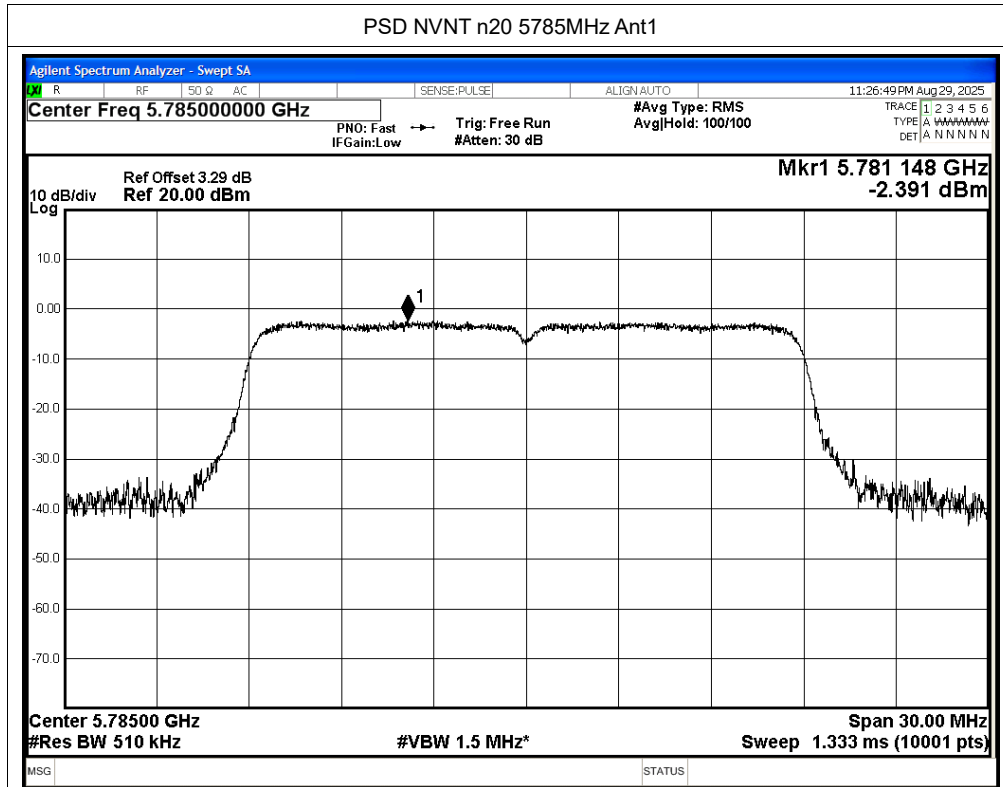


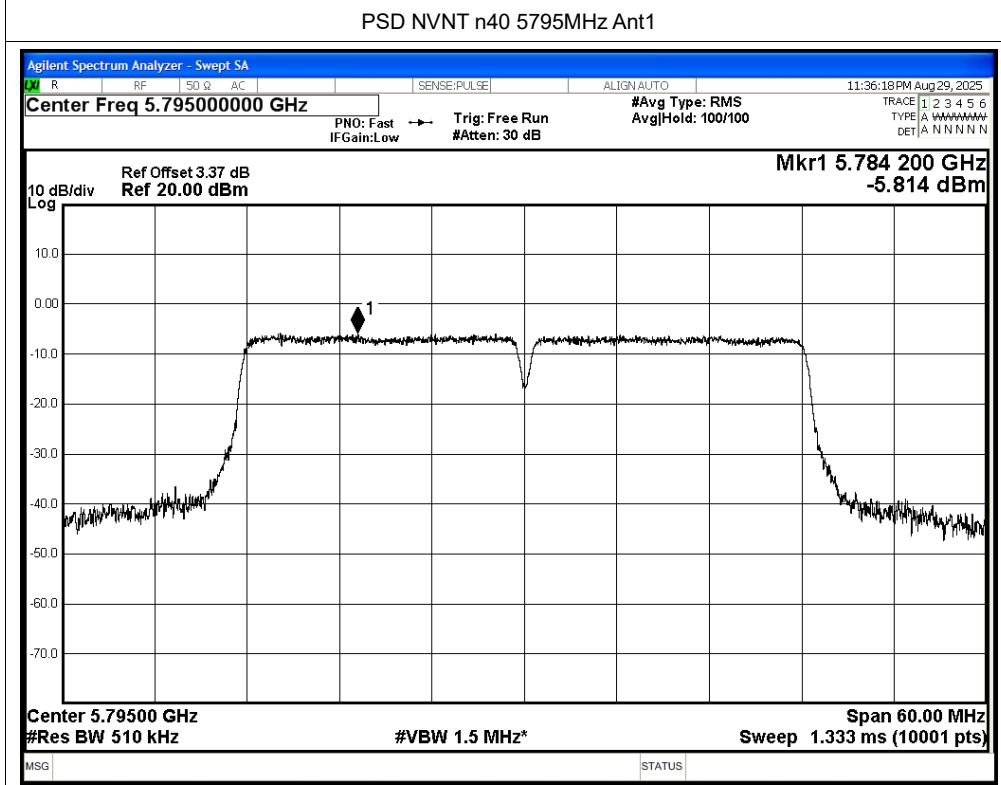
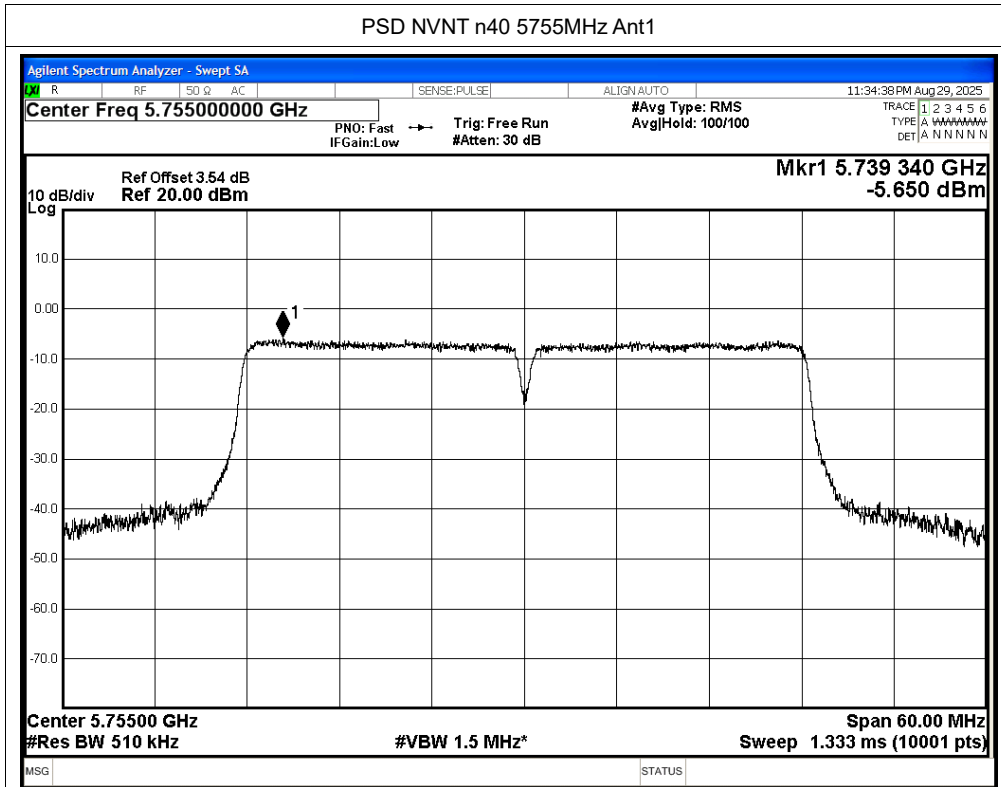
PSD NVNT a 5825MHz Ant1

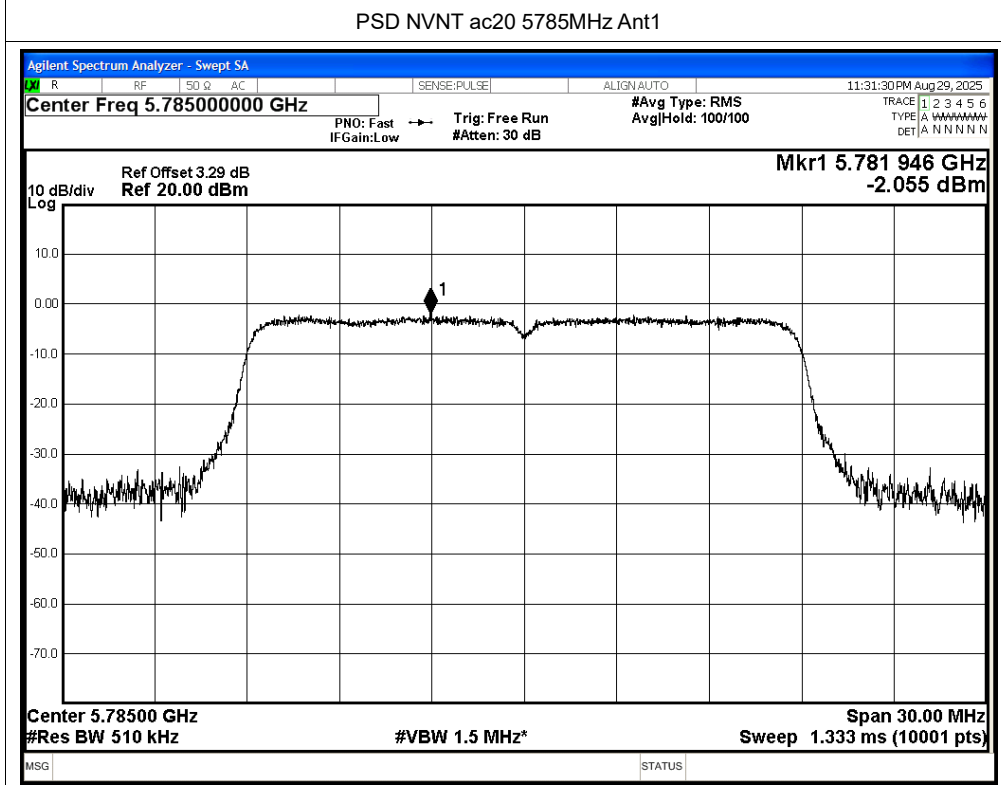
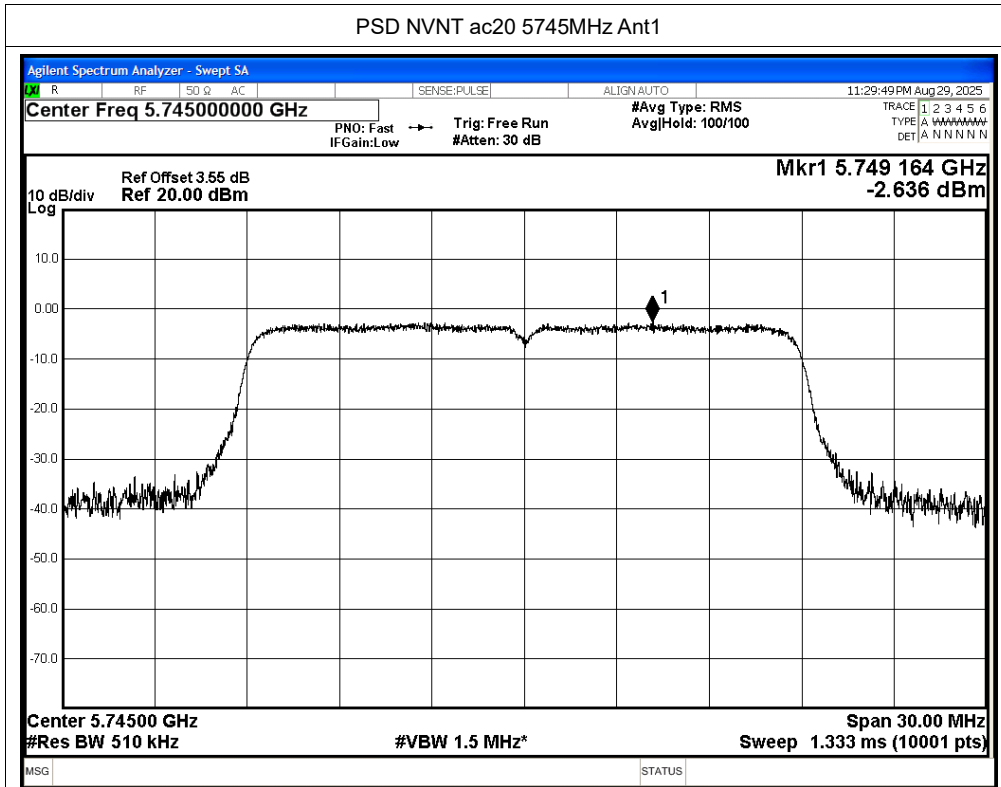


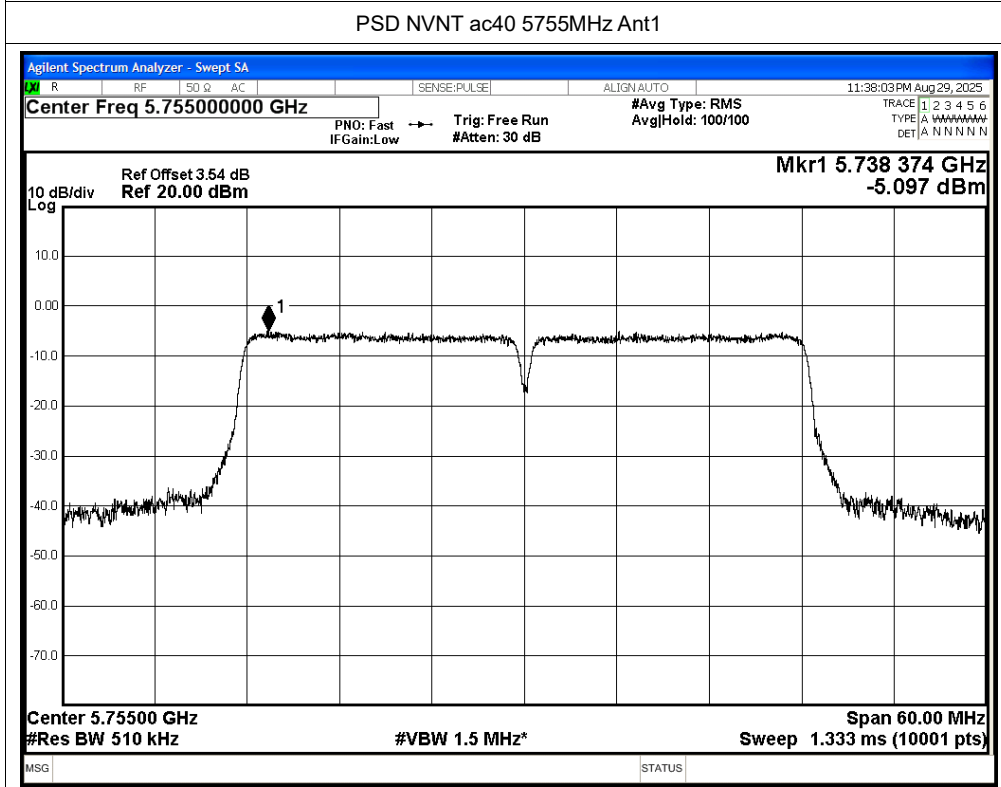
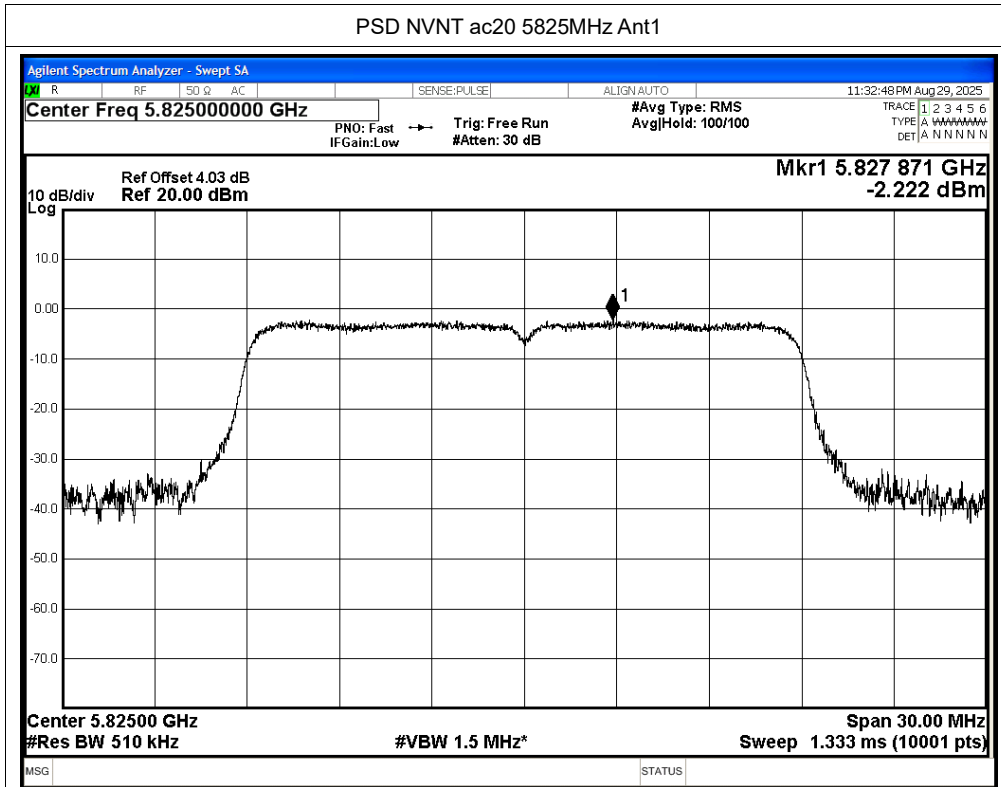
PSD NVNT n20 5745MHz Ant1

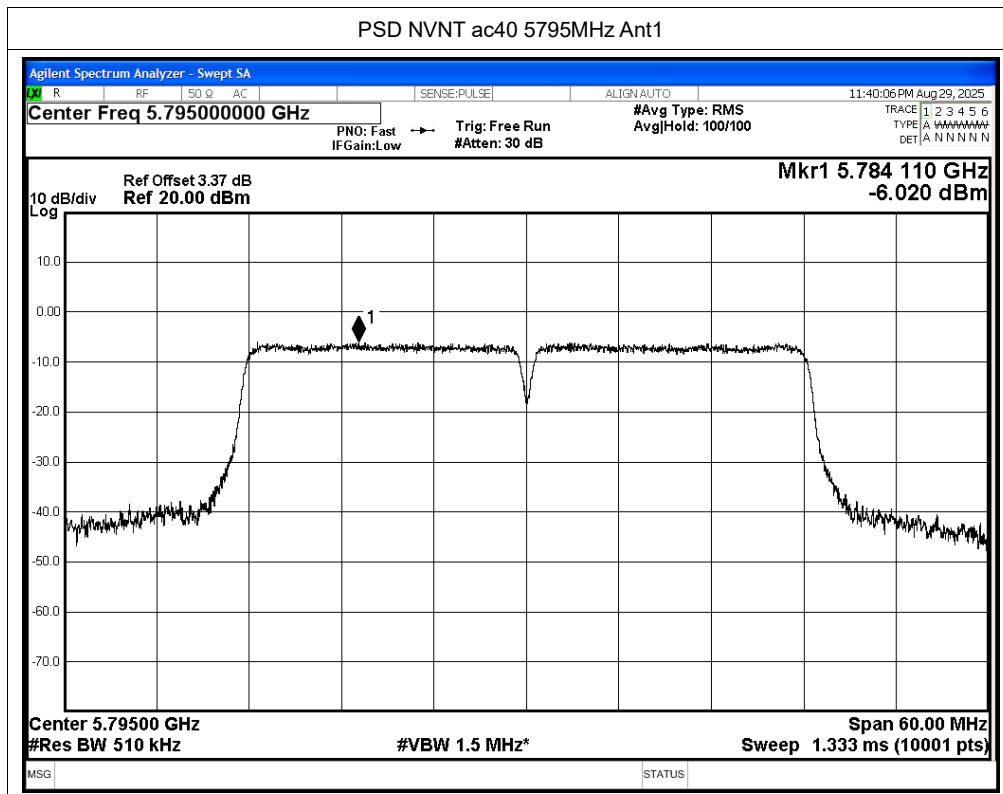












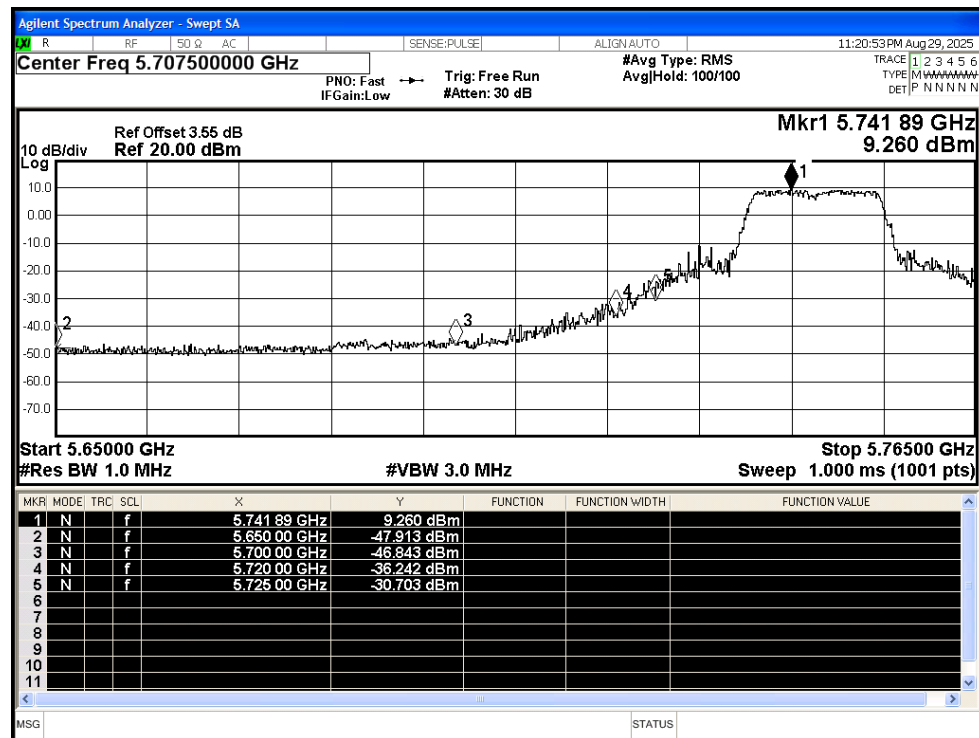
## E.4 Restrict Band

| Condition | Mode | Frequency (MHz) | Antenna | Spur Freq (MHz) | Power (dBm) | Gain (dBi) | Duty Factor (dB) | EIRP Power (dBm) | Detector | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|------------|------------------|------------------|----------|-------------|---------|
| NVNT      | a    | 5745            | Ant1    | 5650            | -47.91      | 3.89       | -                | -44.02           | Peak     | -27         | Pass    |
| NVNT      | a    | 5745            | Ant1    | 5650            | -57.03      | 3.89       | 0.24             | -52.90           | Average  | -27         | Pass    |
| NVNT      | a    | 5745            | Ant1    | 5700            | -46.84      | 3.89       | -                | -42.95           | Peak     | 10          | Pass    |
| NVNT      | a    | 5745            | Ant1    | 5700            | -54.65      | 3.89       | 0.24             | -50.52           | Average  | 10          | Pass    |
| NVNT      | a    | 5745            | Ant1    | 5720            | -36.24      | 3.89       | -                | -32.35           | Peak     | 15.6        | Pass    |
| NVNT      | a    | 5745            | Ant1    | 5720            | -46.18      | 3.89       | 0.24             | -42.05           | Average  | 15.6        | Pass    |
| NVNT      | a    | 5745            | Ant1    | 5725            | -30.7       | 3.89       | -                | -26.81           | Peak     | 27          | Pass    |
| NVNT      | a    | 5745            | Ant1    | 5725            | -41.09      | 3.89       | 0.24             | -36.96           | Average  | 27          | Pass    |
| NVNT      | a    | 5825            | Ant1    | 5850            | -37.33      | 3.89       | -                | -33.44           | Peak     | 27          | Pass    |
| NVNT      | a    | 5825            | Ant1    | 5850            | -50.28      | 3.89       | 0.24             | -46.15           | Average  | 27          | Pass    |
| NVNT      | a    | 5825            | Ant1    | 5855            | -42.47      | 3.89       | -                | -38.58           | Peak     | 15.6        | Pass    |
| NVNT      | a    | 5825            | Ant1    | 5855            | -52.72      | 3.89       | 0.24             | -48.59           | Average  | 15.6        | Pass    |
| NVNT      | a    | 5825            | Ant1    | 5875            | -46.39      | 3.89       | -                | -42.50           | Peak     | 10          | Pass    |
| NVNT      | a    | 5825            | Ant1    | 5875            | -54.84      | 3.89       | 0.24             | -50.71           | Average  | 10          | Pass    |
| NVNT      | a    | 5825            | Ant1    | 5925            | -47.69      | 3.89       | -                | -43.80           | Peak     | -27         | Pass    |
| NVNT      | a    | 5825            | Ant1    | 5925            | -55.62      | 3.89       | 0.24             | -51.49           | Average  | -27         | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 5650            | -48.75      | 3.89       | -                | -44.86           | Peak     | -27         | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 5650            | -56.36      | 3.89       | 0.12             | -52.35           | Average  | -27         | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 5700            | -42.87      | 3.89       | -                | -38.98           | Peak     | 10          | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 5700            | -54.29      | 3.89       | 0.12             | -50.28           | Average  | 10          | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 5720            | -28.92      | 3.89       | -                | -25.03           | Peak     | 15.6        | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 5720            | -45.05      | 3.89       | 0.12             | -41.04           | Average  | 15.6        | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 5725            | -16.65      | 3.89       | -                | -12.76           | Peak     | 27          | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 5725            | -39.73      | 3.89       | 0.12             | -35.72           | Average  | 27          | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 5850            | -29.83      | 3.89       | -                | -25.94           | Peak     | 27          | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 5850            | -43.92      | 3.89       | 0.12             | -39.91           | Average  | 27          | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 5855            | -34.94      | 3.89       | -                | -31.05           | Peak     | 15.6        | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 5855            | -49.3       | 3.89       | 0.12             | -45.29           | Average  | 15.6        | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 5875            | -45.47      | 3.89       | -                | -41.58           | Peak     | 10          | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 5875            | -55.37      | 3.89       | 0.12             | -51.36           | Average  | 10          | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 5925            | -46.68      | 3.89       | -                | -42.79           | Peak     | -27         | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 5925            | -55.33      | 3.89       | 0.12             | -51.32           | Average  | -27         | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 5650            | -48.22      | 3.89       | -                | -44.33           | Peak     | -27         | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 5650            | -56.9       | 3.89       | 0.24             | -52.77           | Average  | -27         | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 5700            | -45.48      | 3.89       | -                | -41.59           | Peak     | 10          | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 5700            | -54.65      | 3.89       | 0.24             | -50.52           | Average  | 10          | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 5720            | -27.56      | 3.89       | -                | -23.67           | Peak     | 15.6        | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 5720            | -42.9       | 3.89       | 0.24             | -38.77           | Average  | 15.6        | Pass    |

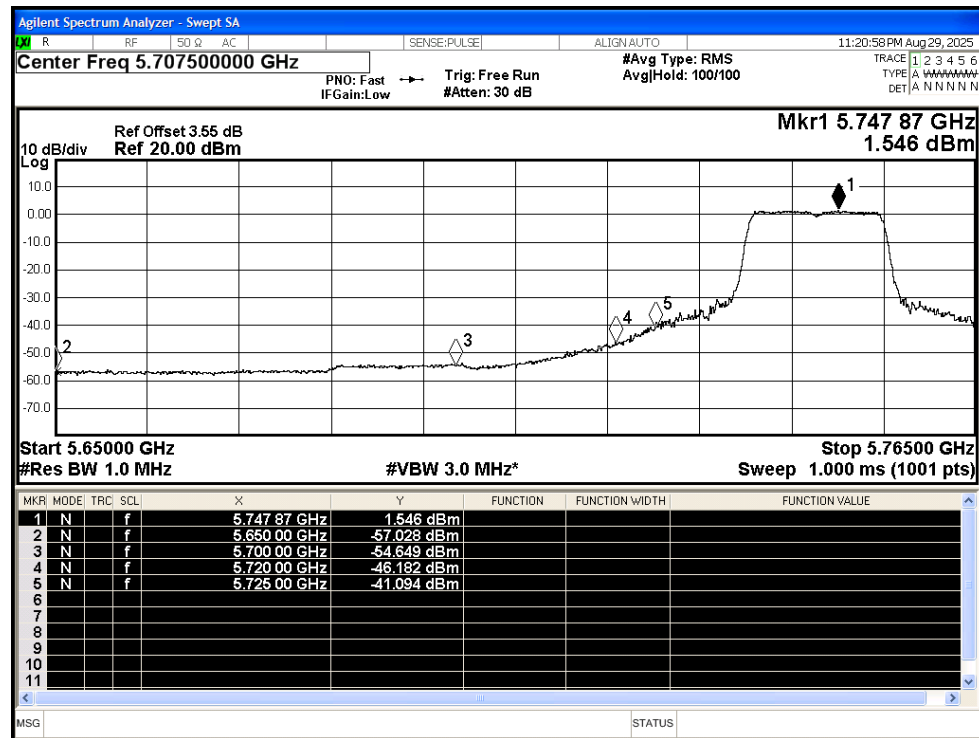
|      |      |      |      |      |        |      |      |        |         |      |      |
|------|------|------|------|------|--------|------|------|--------|---------|------|------|
| NVNT | n40  | 5755 | Ant1 | 5725 | -24.03 | 3.89 | -    | -20.14 | Peak    | 27   | Pass |
| NVNT | n40  | 5755 | Ant1 | 5725 | -41.38 | 3.89 | 0.24 | -37.25 | Average | 27   | Pass |
| NVNT | n40  | 5795 | Ant1 | 5850 | -46.4  | 3.89 | -    | -42.51 | Peak    | 27   | Pass |
| NVNT | n40  | 5795 | Ant1 | 5850 | -55.04 | 3.89 | 0.24 | -50.91 | Average | 27   | Pass |
| NVNT | n40  | 5795 | Ant1 | 5855 | -47.58 | 3.89 | -    | -43.69 | Peak    | 15.6 | Pass |
| NVNT | n40  | 5795 | Ant1 | 5855 | -55.56 | 3.89 | 0.24 | -51.43 | Average | 15.6 | Pass |
| NVNT | n40  | 5795 | Ant1 | 5875 | -46.51 | 3.89 | -    | -42.62 | Peak    | 10   | Pass |
| NVNT | n40  | 5795 | Ant1 | 5875 | -56.68 | 3.89 | 0.24 | -52.55 | Average | 10   | Pass |
| NVNT | n40  | 5795 | Ant1 | 5925 | -49.79 | 3.89 | -    | -45.90 | Peak    | -27  | Pass |
| NVNT | n40  | 5795 | Ant1 | 5925 | -57.78 | 3.89 | 0.24 | -53.65 | Average | -27  | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5650 | -48.71 | 3.89 | -    | -44.82 | Peak    | -27  | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5650 | -56.29 | 3.89 | 0.12 | -52.28 | Average | -27  | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5700 | -47.5  | 3.89 | -    | -43.61 | Peak    | 10   | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5700 | -54.77 | 3.89 | 0.12 | -50.76 | Average | 10   | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5720 | -36.08 | 3.89 | -    | -32.19 | Peak    | 15.6 | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5720 | -47.31 | 3.89 | 0.12 | -43.30 | Average | 15.6 | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5725 | -26.21 | 3.89 | -    | -22.32 | Peak    | 27   | Pass |
| NVNT | ac20 | 5745 | Ant1 | 5725 | -40.78 | 3.89 | 0.12 | -36.77 | Average | 27   | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5850 | -31.11 | 3.89 | -    | -27.22 | Peak    | 27   | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5850 | -44.67 | 3.89 | 0.12 | -40.66 | Average | 27   | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5855 | -37.41 | 3.89 | -    | -33.52 | Peak    | 15.6 | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5855 | -49    | 3.89 | 0.12 | -44.99 | Average | 15.6 | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5875 | -47.36 | 3.89 | -    | -43.47 | Peak    | 10   | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5875 | -54.93 | 3.89 | 0.12 | -50.92 | Average | 10   | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5925 | -48.18 | 3.89 | -    | -44.29 | Peak    | -27  | Pass |
| NVNT | ac20 | 5825 | Ant1 | 5925 | -55.64 | 3.89 | 0.12 | -51.63 | Average | -27  | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5650 | -47.75 | 3.89 | -    | -43.86 | Peak    | -27  | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5650 | -56.53 | 3.89 | 0.24 | -52.40 | Average | -27  | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5700 | -43.22 | 3.89 | -    | -39.33 | Peak    | 10   | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5700 | -53.16 | 3.89 | 0.24 | -49.03 | Average | 10   | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5720 | -31.14 | 3.89 | -    | -27.25 | Peak    | 15.6 | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5720 | -43.76 | 3.89 | 0.24 | -39.63 | Average | 15.6 | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5725 | -26.68 | 3.89 | -    | -22.79 | Peak    | 27   | Pass |
| NVNT | ac40 | 5755 | Ant1 | 5725 | -39.77 | 3.89 | 0.24 | -35.64 | Average | 27   | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5850 | -47.44 | 3.89 | -    | -43.55 | Peak    | 27   | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5850 | -55.23 | 3.89 | 0.24 | -51.10 | Average | 27   | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5855 | -48.05 | 3.89 | -    | -44.16 | Peak    | 15.6 | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5855 | -56.26 | 3.89 | 0.24 | -52.13 | Average | 15.6 | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5875 | -47.91 | 3.89 | -    | -44.02 | Peak    | 10   | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5875 | -57.35 | 3.89 | 0.24 | -53.22 | Average | 10   | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5925 | -48.63 | 3.89 | -    | -44.74 | Peak    | -27  | Pass |
| NVNT | ac40 | 5795 | Ant1 | 5925 | -56.88 | 3.89 | 0.24 | -52.75 | Average | -27  | Pass |

## Test Graphs

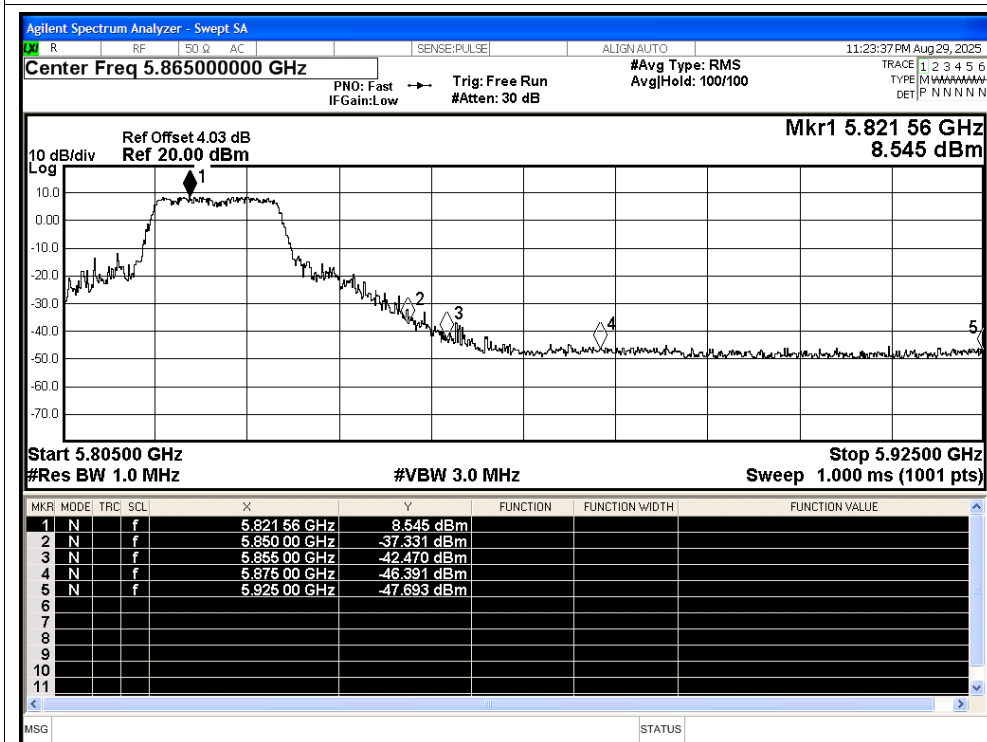
## Restrict Band NVNT a 5745MHz Ant1 Peak



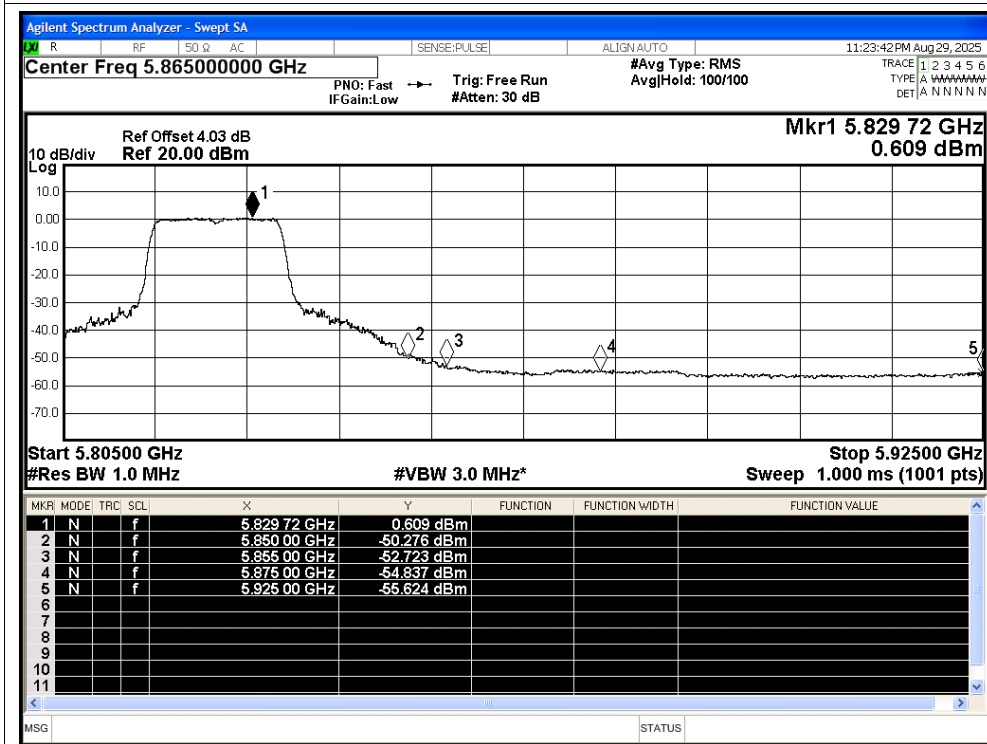
## Restrict Band NVNT a 5745MHz Ant1 Average



## Restrict Band NVNT a 5825MHz Ant1 Peak

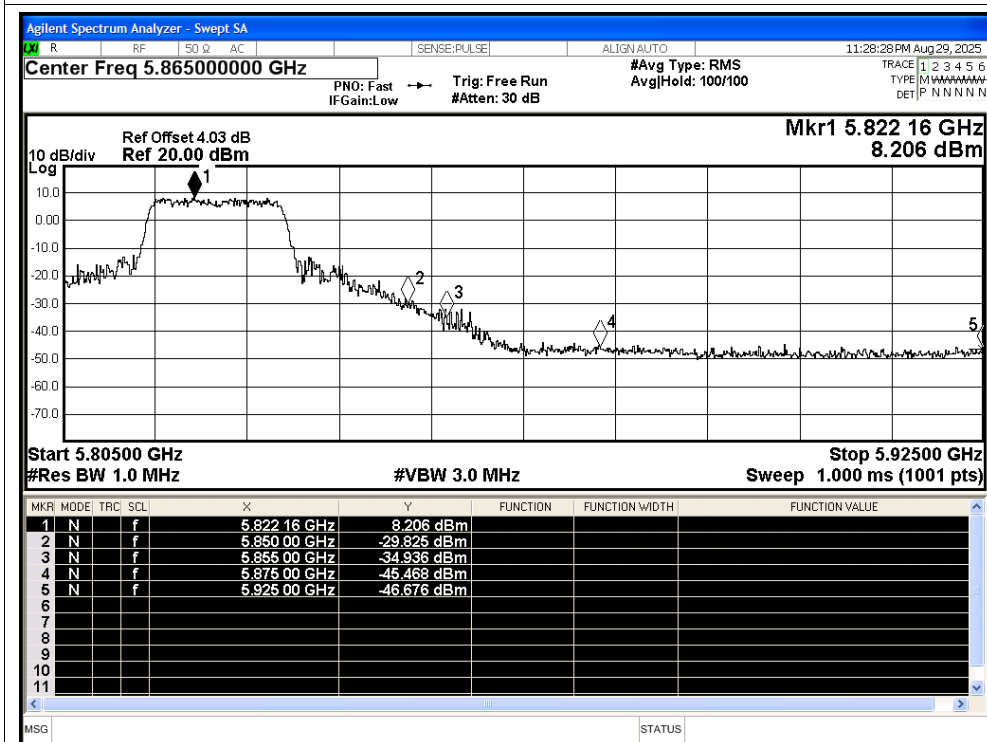


## Restrict Band NVNT a 5825MHz Ant1 Average

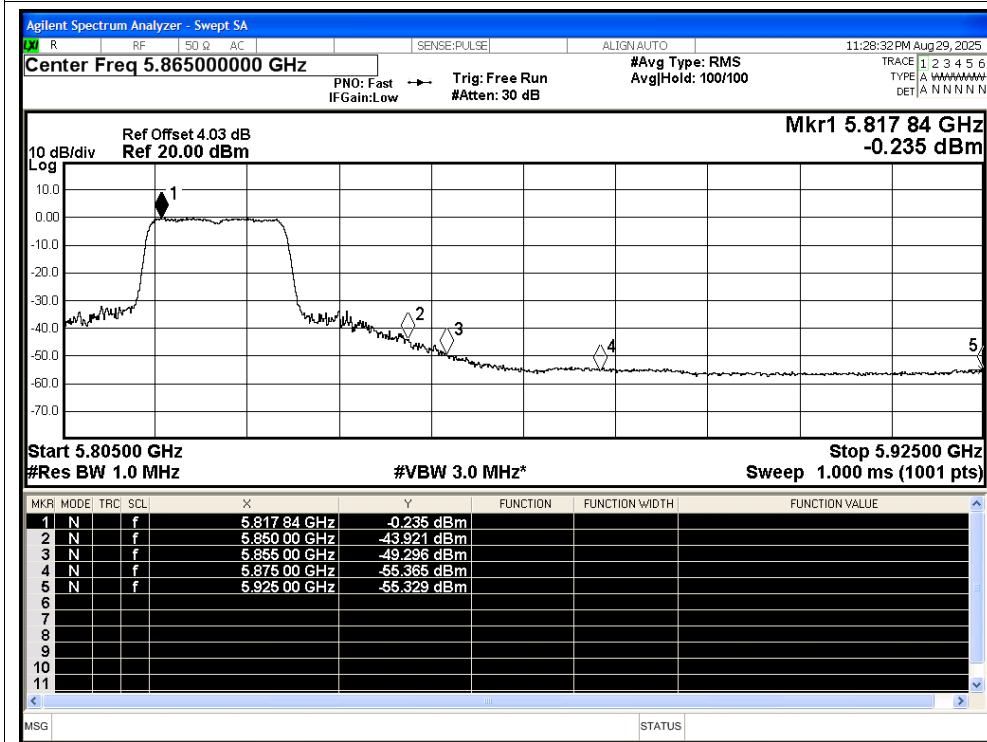




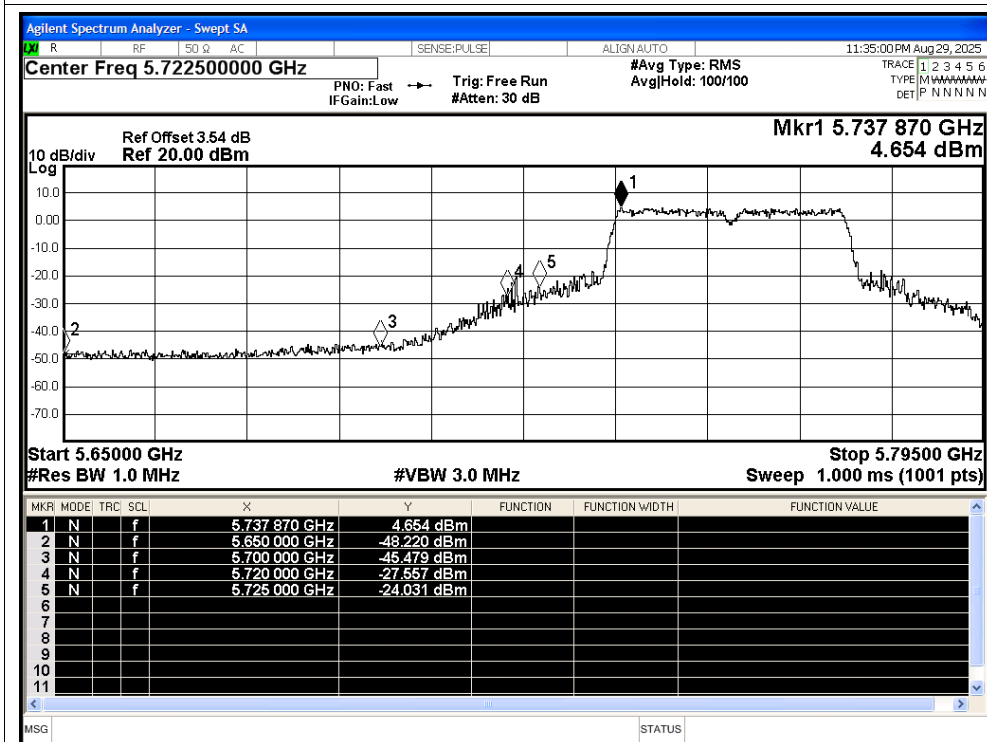
## Restrict Band NVNT n20 5825MHz Ant1 Peak



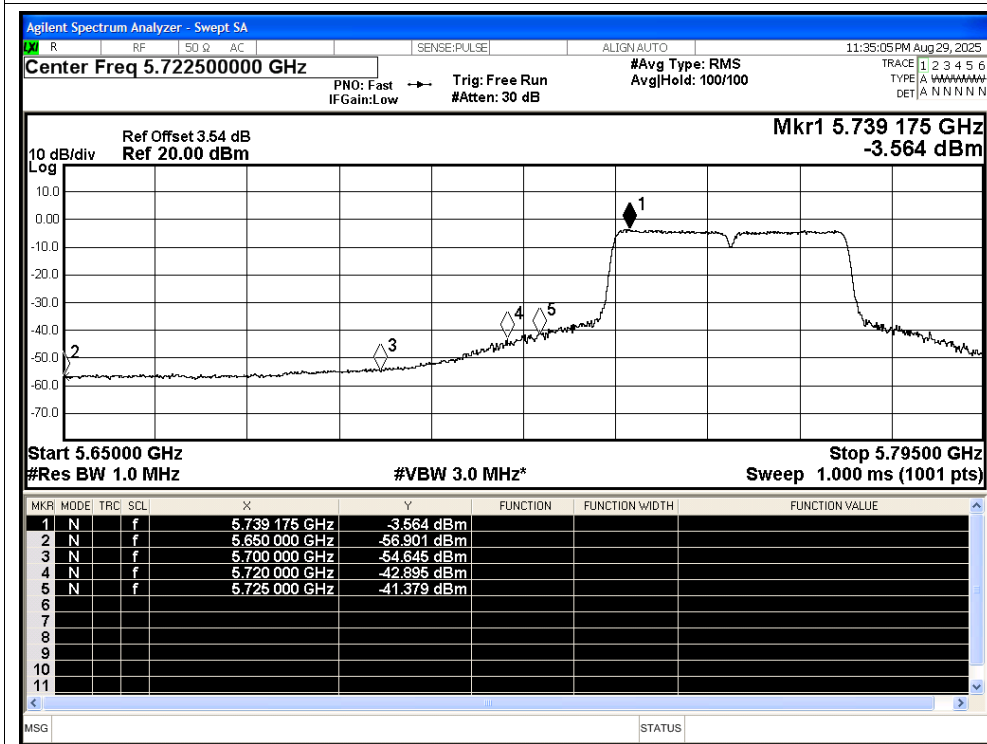
## Restrict Band NVNT n20 5825MHz Ant1 Average



## Restrict Band NVNT n40 5755MHz Ant1 Peak



## Restrict Band NVNT n40 5755MHz Ant1 Average



[illegible]

Restrict Band NVNT n40 5795MHz Ant1 Average

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.840000000 GHz

Ref Offset 3.37 dB  
Ref 20.00 dBm

Mkr1 5.783 90 GHz  
-3.603 dBm

Start 5.7500 GHz  
#Res BW 1.0 MHz

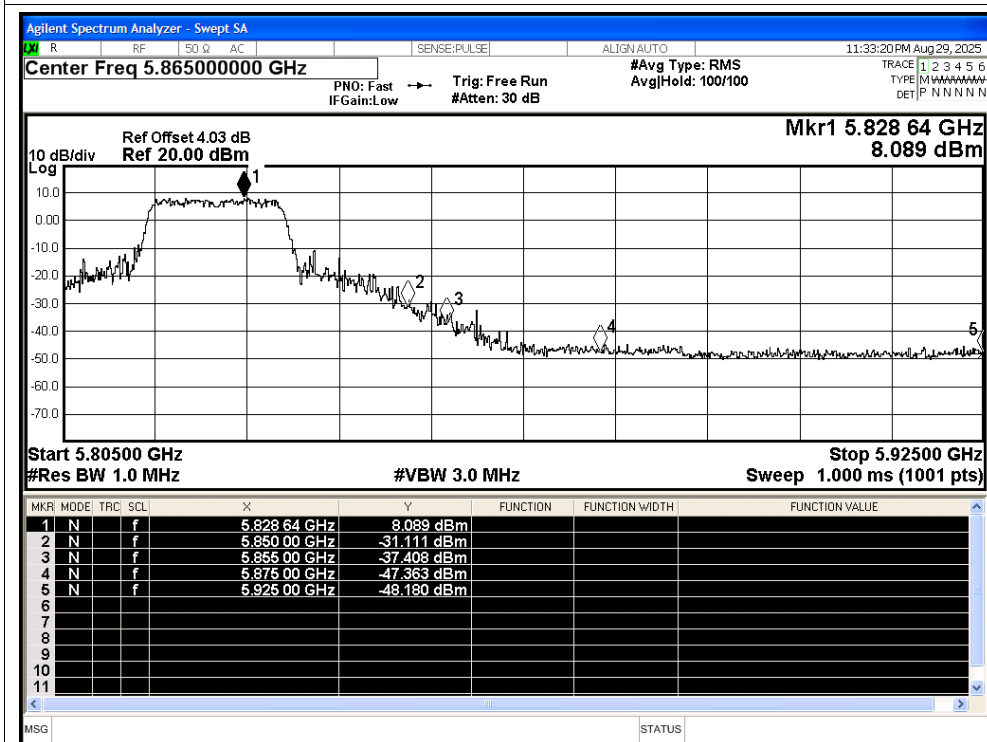
Stop 5.9250 GHz  
Sweep 1.000 ms (1001 pts)

#VBW 3.0 MHz\*

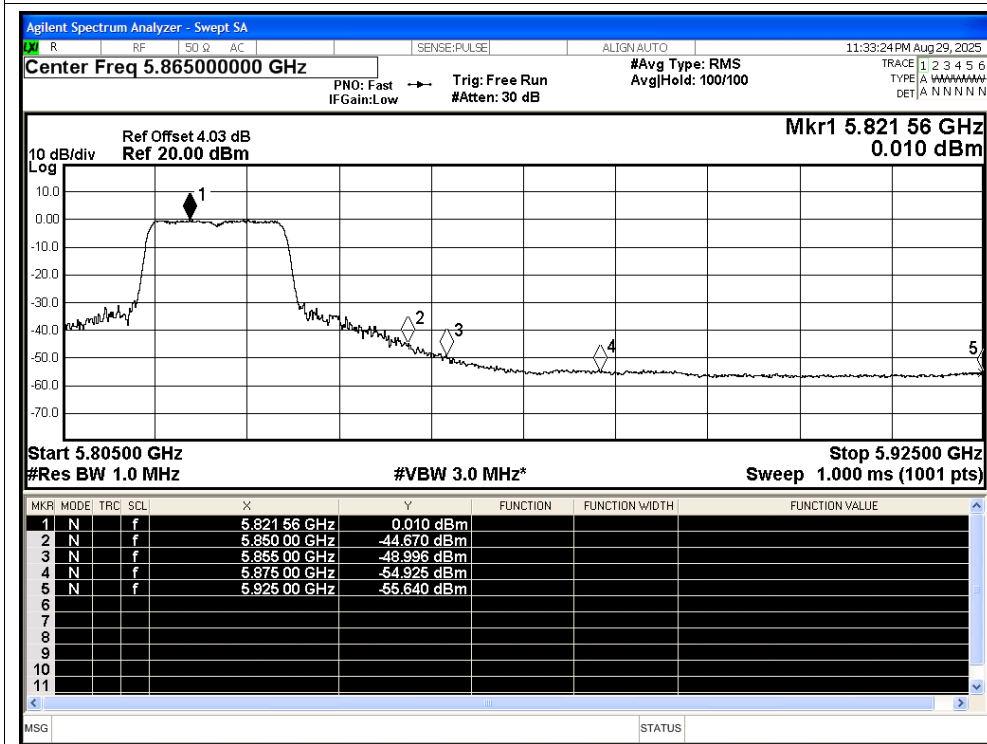
| MKR | MODE | TRC | SCL | X            | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------|-----|-----|--------------|-------------|----------|----------------|----------------|
| 1   | N    |     | f   | 5.783 90 GHz | -3.603 dBm  |          |                |                |
| 2   | N    |     | f   | 5.850 00 GHz | -55.043 dBm |          |                |                |
| 3   | N    |     | f   | 5.855 00 GHz | -55.559 dBm |          |                |                |
| 4   | N    |     | f   | 5.875 00 GHz | -56.676 dBm |          |                |                |
| 5   | N    |     | f   | 5.925 00 GHz | -57.778 dBm |          |                |                |



## Restrict Band NVNT ac20 5825MHz Ant1 Peak



## Restrict Band NVNT ac20 5825MHz Ant1 Average





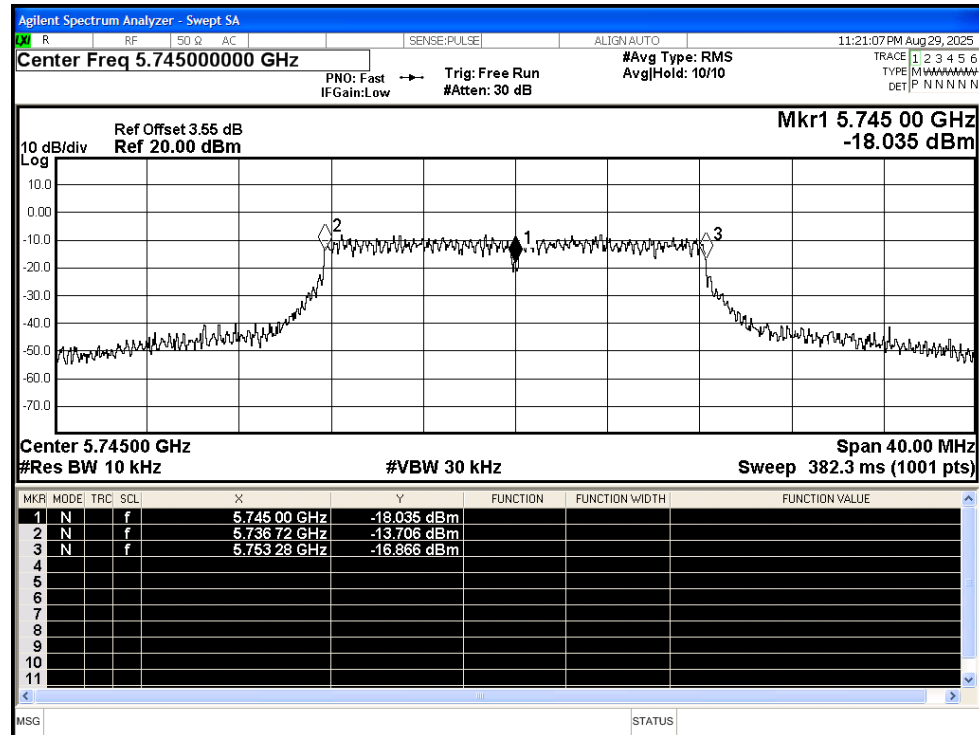


## E.5 Frequency Stability

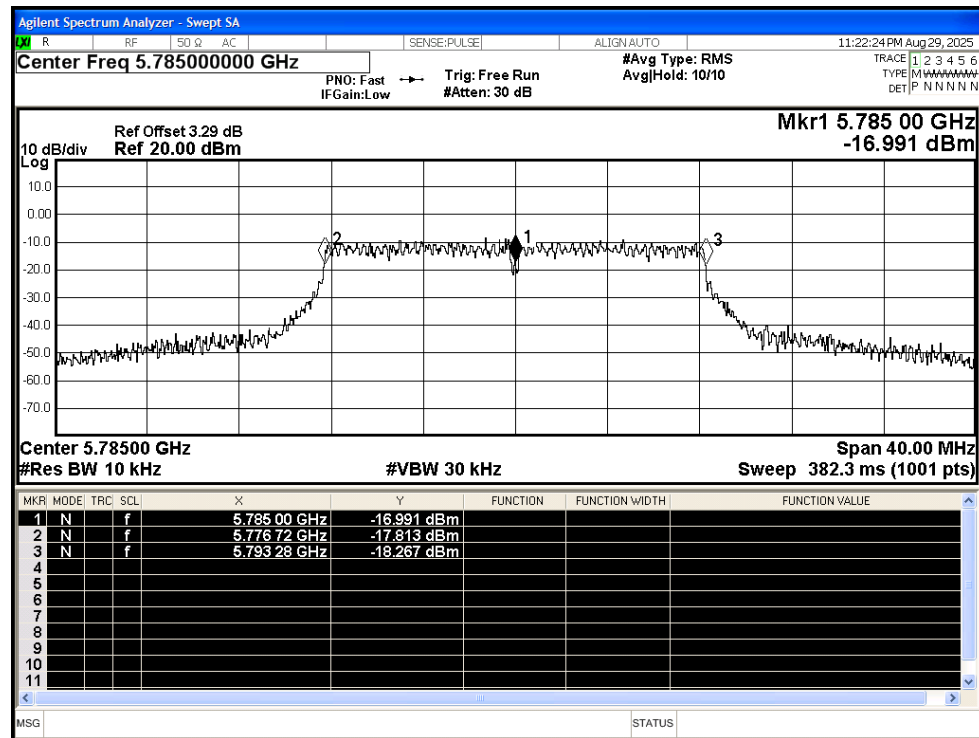
| Condition | Mode | Frequency (MHz) | Antenna | Measured Frequency (MHz) | Frequency Error (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|-----------|------|-----------------|---------|--------------------------|----------------------|-----------------|-------------|---------|
| NVNT      | a    | 5745            | Ant1    | 5745                     | 0                    | 0               | 25          | Pass    |
| NVNT      | a    | 5785            | Ant1    | 5785                     | 0                    | 0               | 25          | Pass    |
| NVNT      | a    | 5825            | Ant1    | 5824.98                  | -20000               | -3.43           | 25          | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 5744.98                  | -20000               | -3.48           | 25          | Pass    |
| NVNT      | n20  | 5785            | Ant1    | 5784.98                  | -20000               | -3.46           | 25          | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 5824.98                  | -20000               | -3.43           | 25          | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 5754.96                  | -40000               | -6.95           | 25          | Pass    |
| NVNT      | n40  | 5795            | Ant1    | 5795                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | 5744.96                  | -40000               | -6.96           | 25          | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | 5785                     | 0                    | 0               | 25          | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | 5824.98                  | -20000               | -3.43           | 25          | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | 5754.96                  | -40000               | -6.95           | 25          | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | 5794.96                  | -40000               | -6.9            | 25          | Pass    |

## Test Graphs

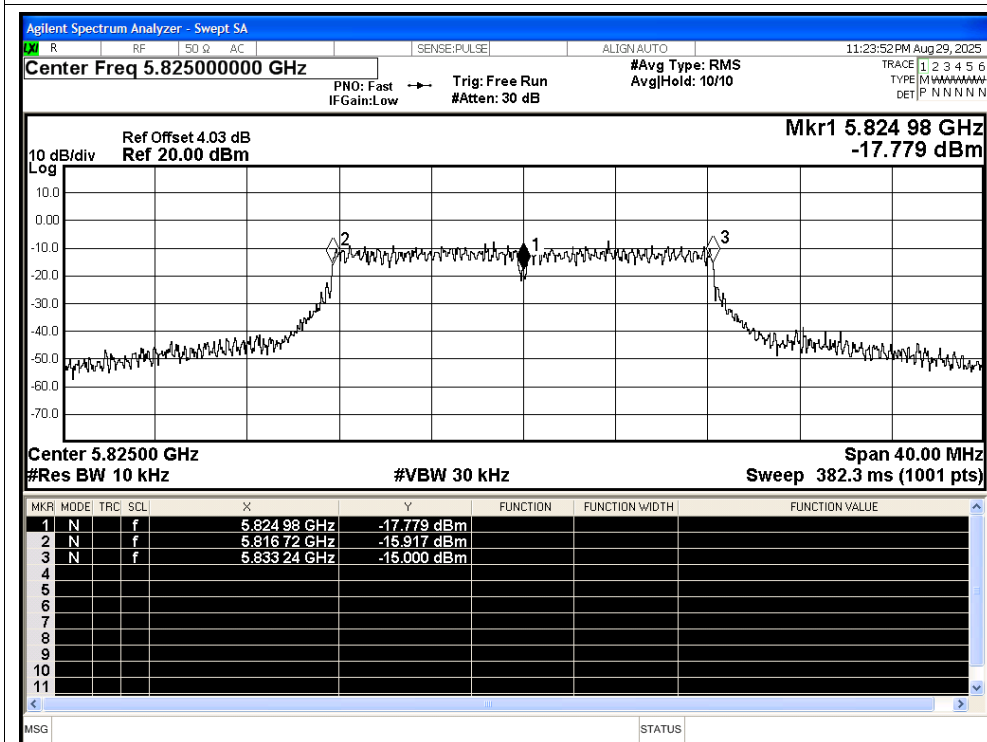
## Freq. Stability NVNT a 5745MHz Ant1



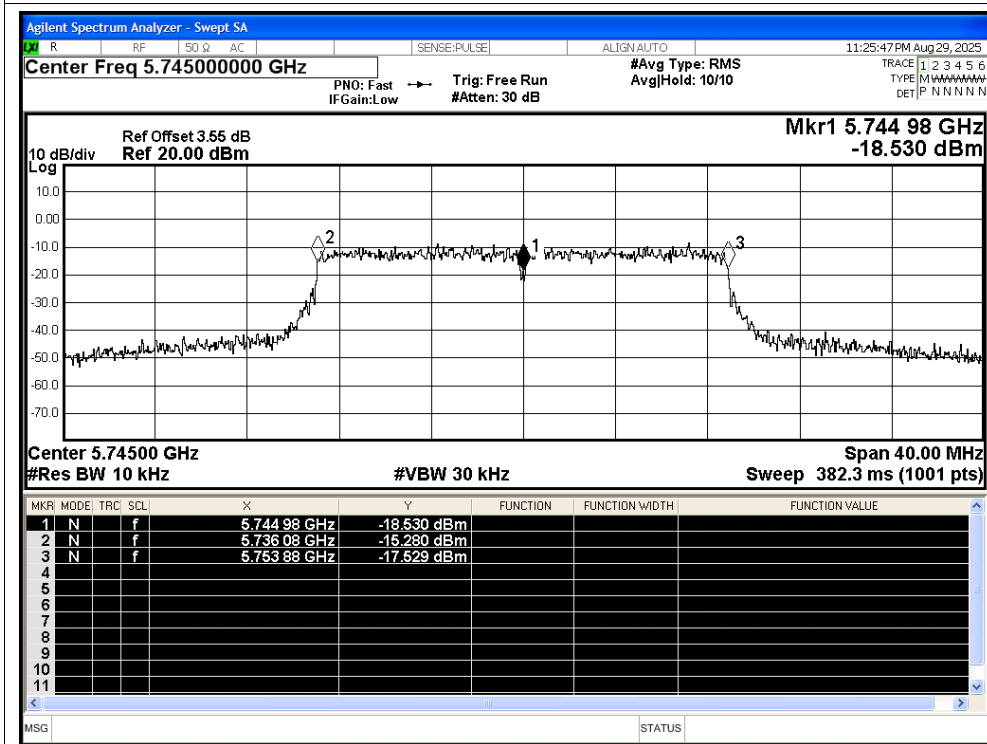
## Freq. Stability NVNT a 5785MHz Ant1



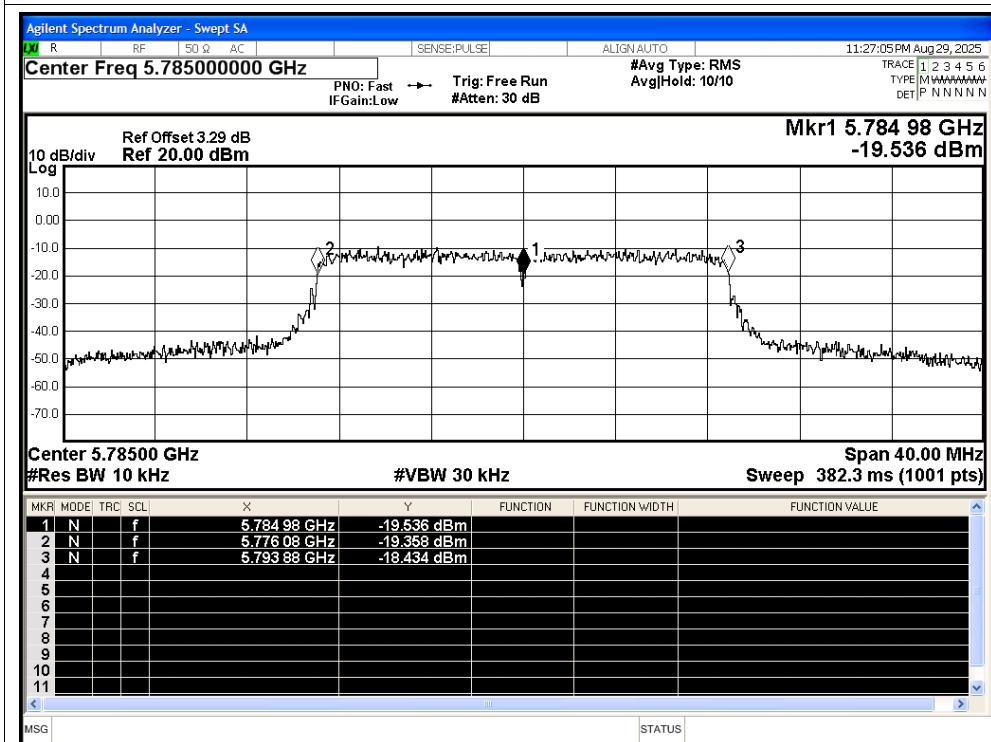
## Freq. Stability NVNT a 5825MHz Ant1



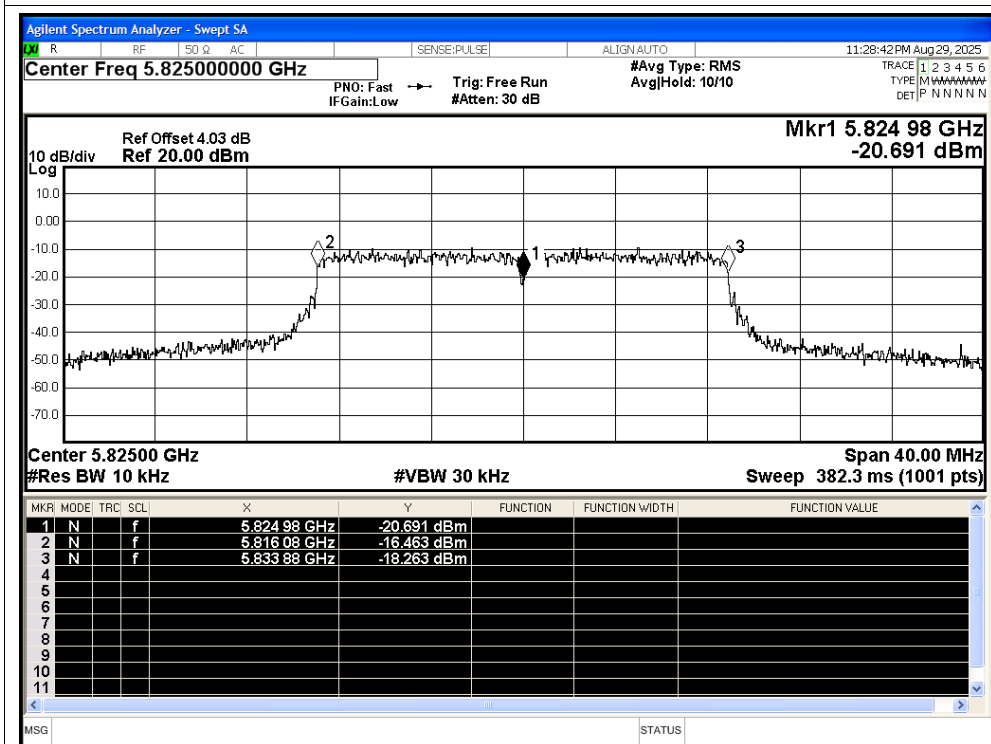
## Freq. Stability NVNT n20 5745MHz Ant1



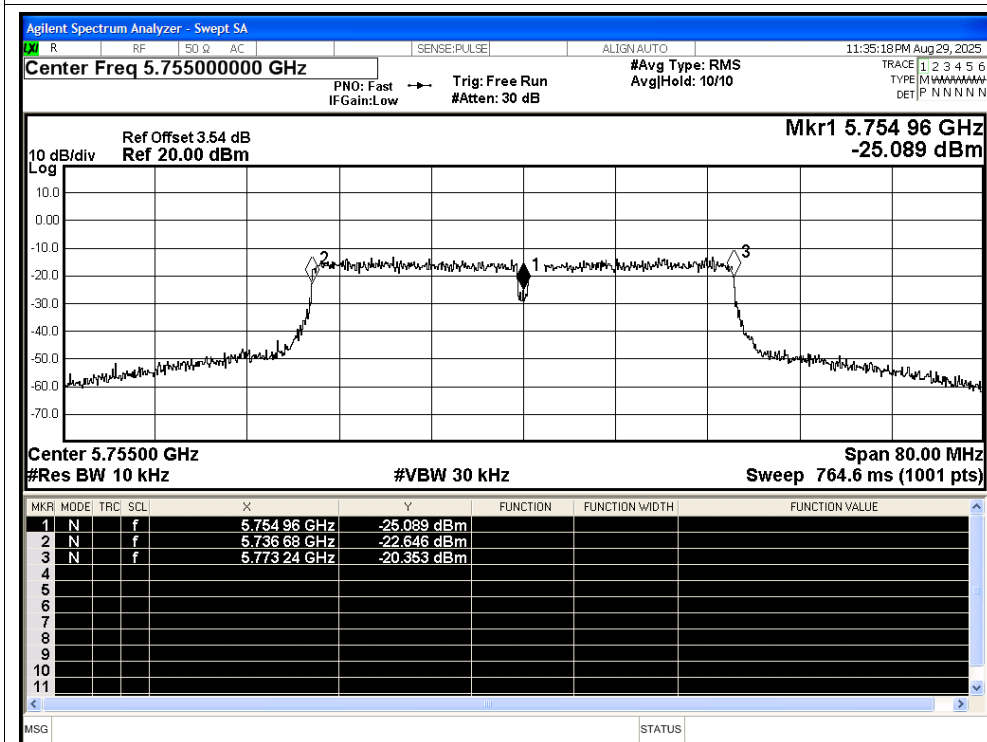
## Freq. Stability NVNT n20 5785MHz Ant1



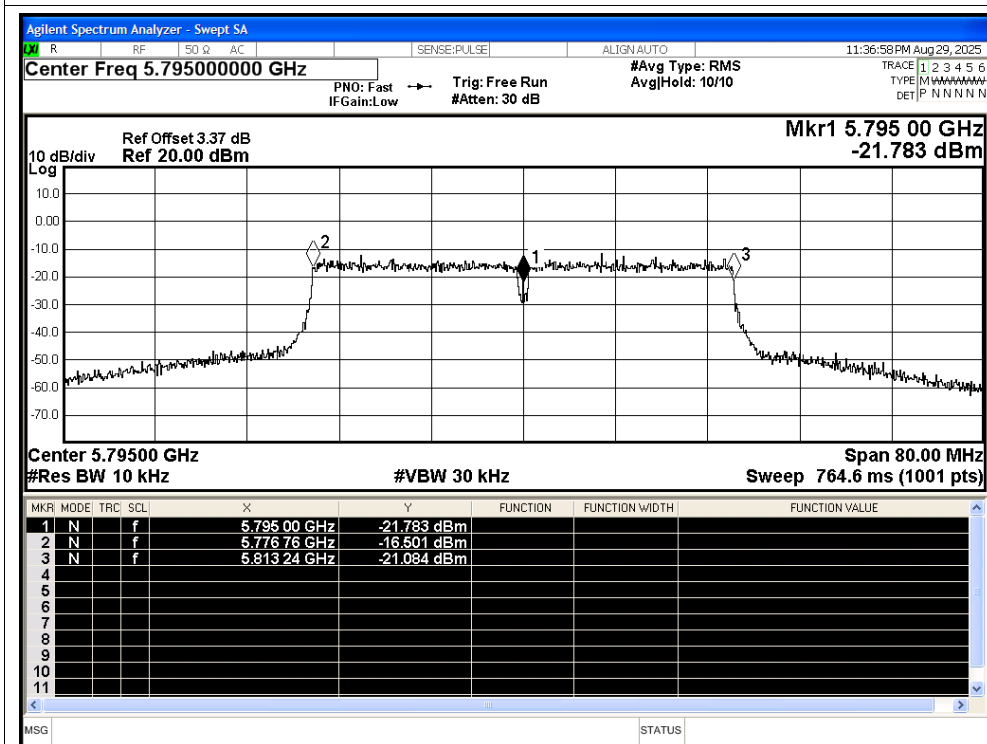
## Freq. Stability NVNT n20 5825MHz Ant1



## Freq. Stability NVNT n40 5755MHz Ant1

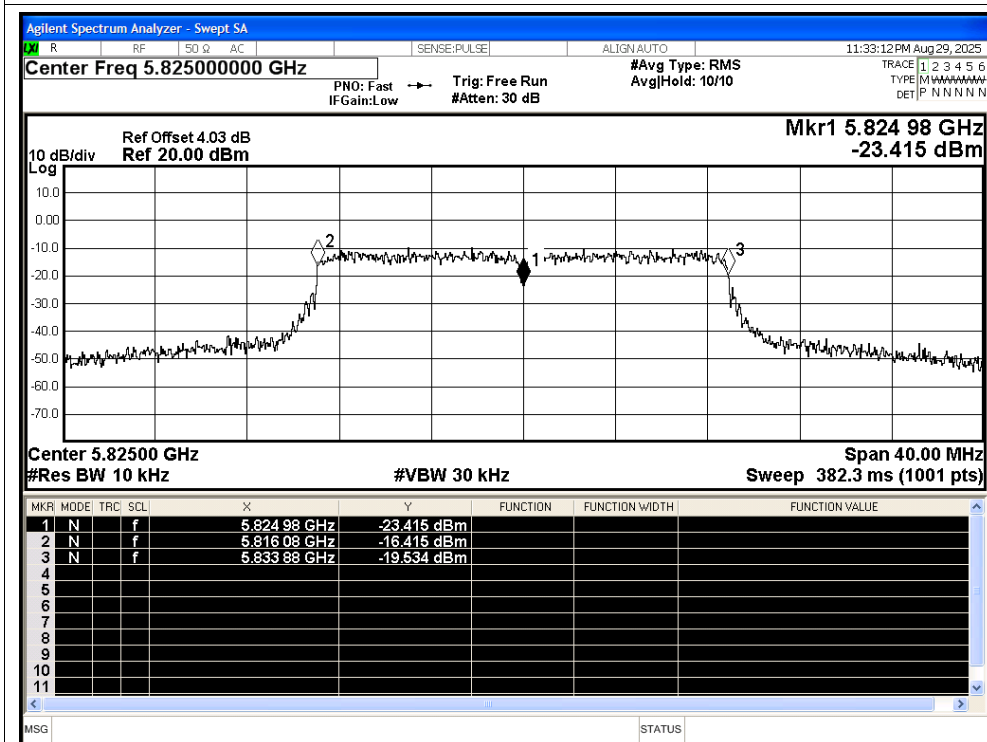


## Freq. Stability NVNT n40 5795MHz Ant1

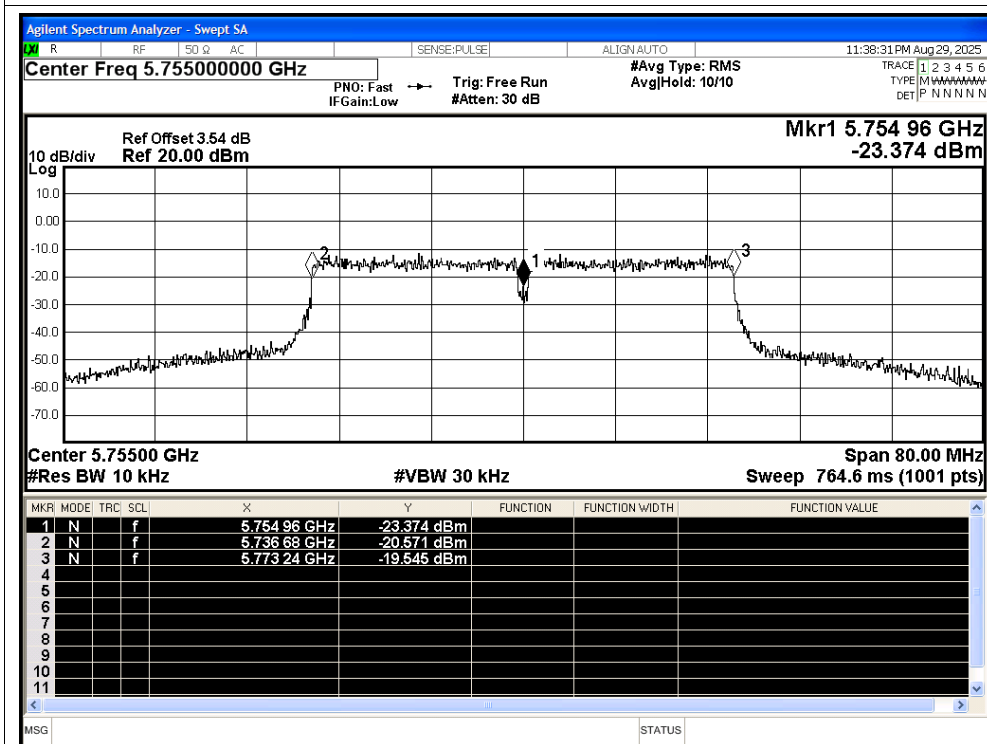


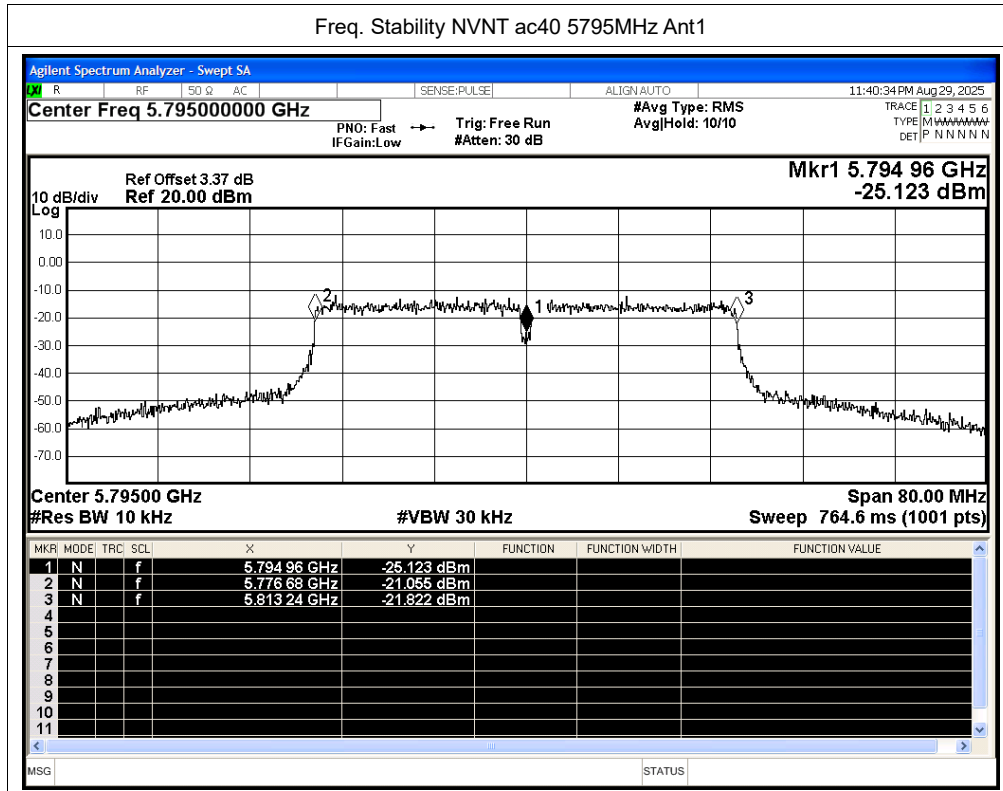


## Freq. Stability NVNT ac20 5825MHz Ant1



## Freq. Stability NVNT ac40 5755MHz Ant1



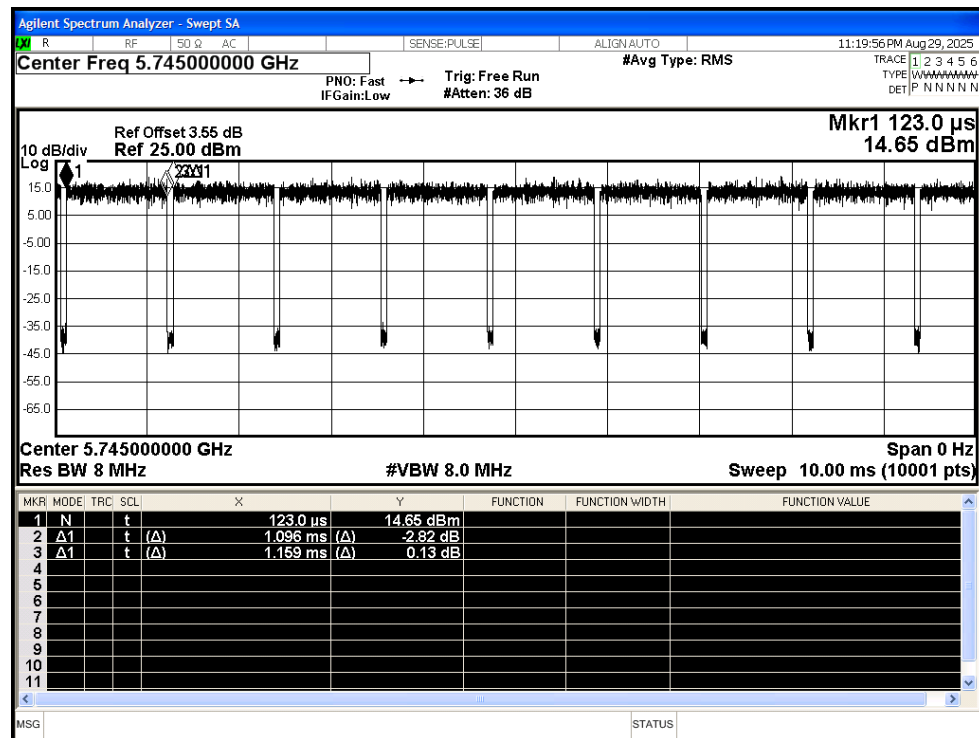


## E.6 Duty Cycle

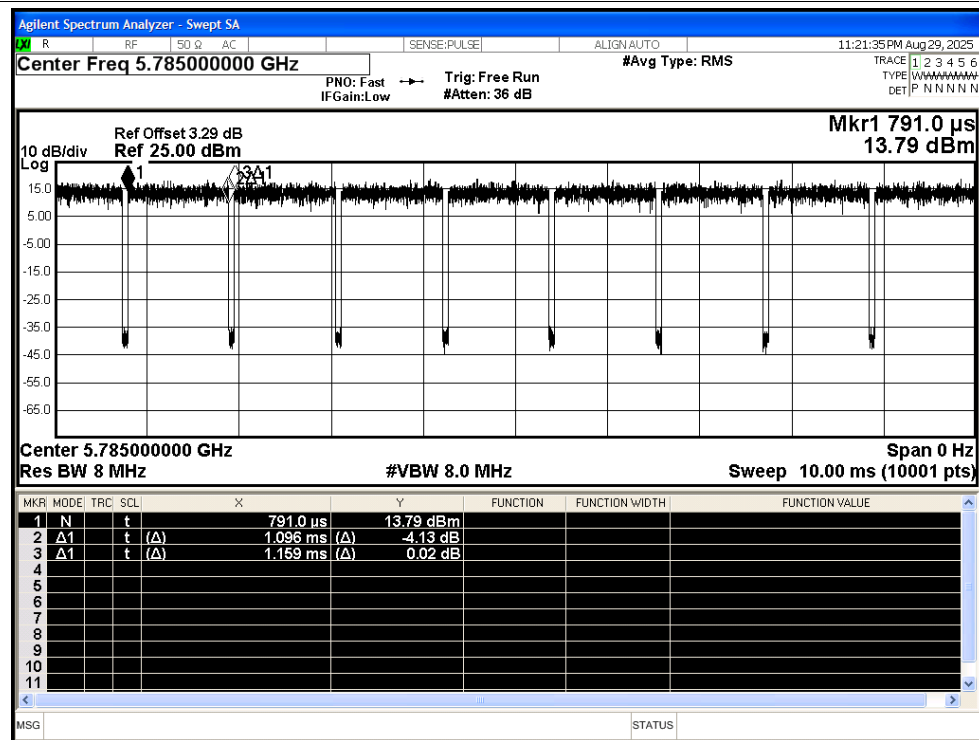
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | a    | 5745            | Ant1    | 94.56          | 0.24                   | 0.91      |
| NVNT      | a    | 5785            | Ant1    | 94.56          | 0.24                   | 0.91      |
| NVNT      | a    | 5825            | Ant1    | 94.56          | 0.24                   | 0.91      |
| NVNT      | n20  | 5745            | Ant1    | 97.29          | 0.12                   | 0.44      |
| NVNT      | n20  | 5785            | Ant1    | 97.29          | 0.12                   | 0.44      |
| NVNT      | n20  | 5825            | Ant1    | 97.29          | 0.12                   | 0.44      |
| NVNT      | n40  | 5755            | Ant1    | 94.71          | 0.24                   | 0.9       |
| NVNT      | n40  | 5795            | Ant1    | 94.71          | 0.24                   | 0.9       |
| NVNT      | ac20 | 5745            | Ant1    | 97.34          | 0.12                   | 0.44      |
| NVNT      | ac20 | 5785            | Ant1    | 97.3           | 0.12                   | 0.44      |
| NVNT      | ac20 | 5825            | Ant1    | 97.34          | 0.12                   | 0.44      |
| NVNT      | ac40 | 5755            | Ant1    | 94.72          | 0.24                   | 0.9       |
| NVNT      | ac40 | 5795            | Ant1    | 94.72          | 0.24                   | 0.9       |

## Test Graphs

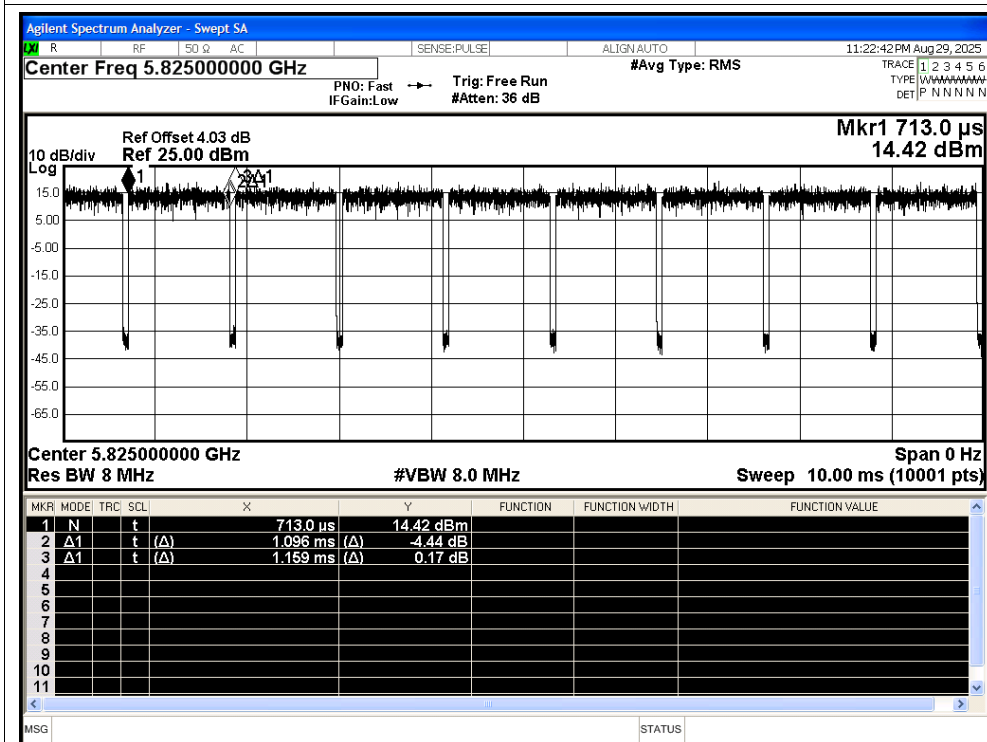
## Duty Cycle NVNT a 5745MHz Ant1



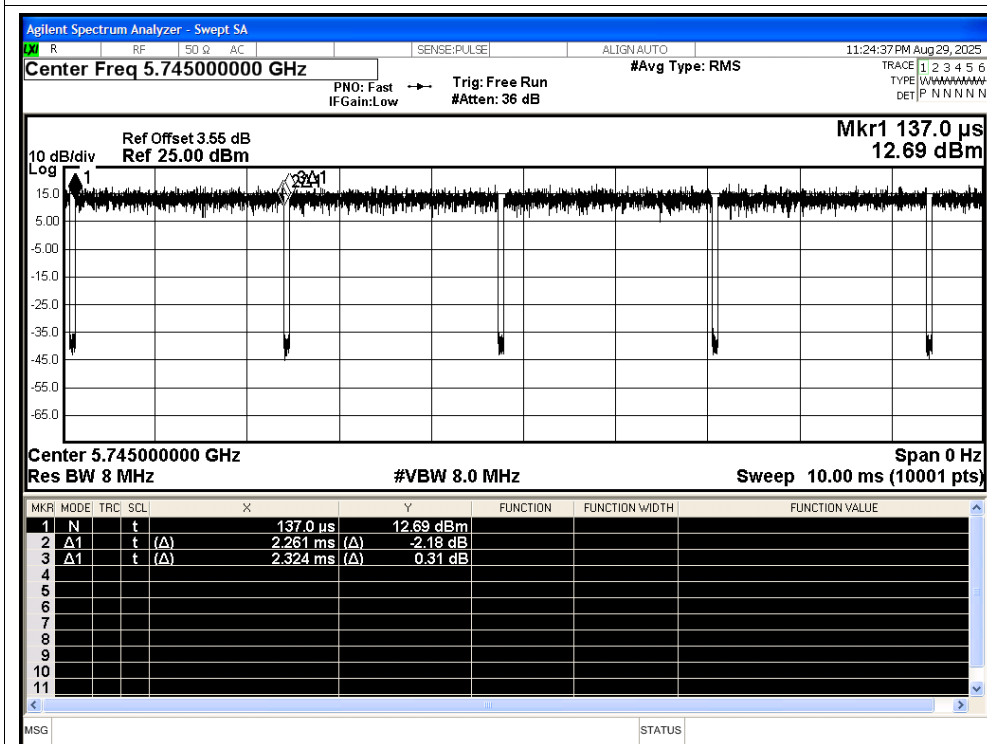
## Duty Cycle NVNT a 5785MHz Ant1



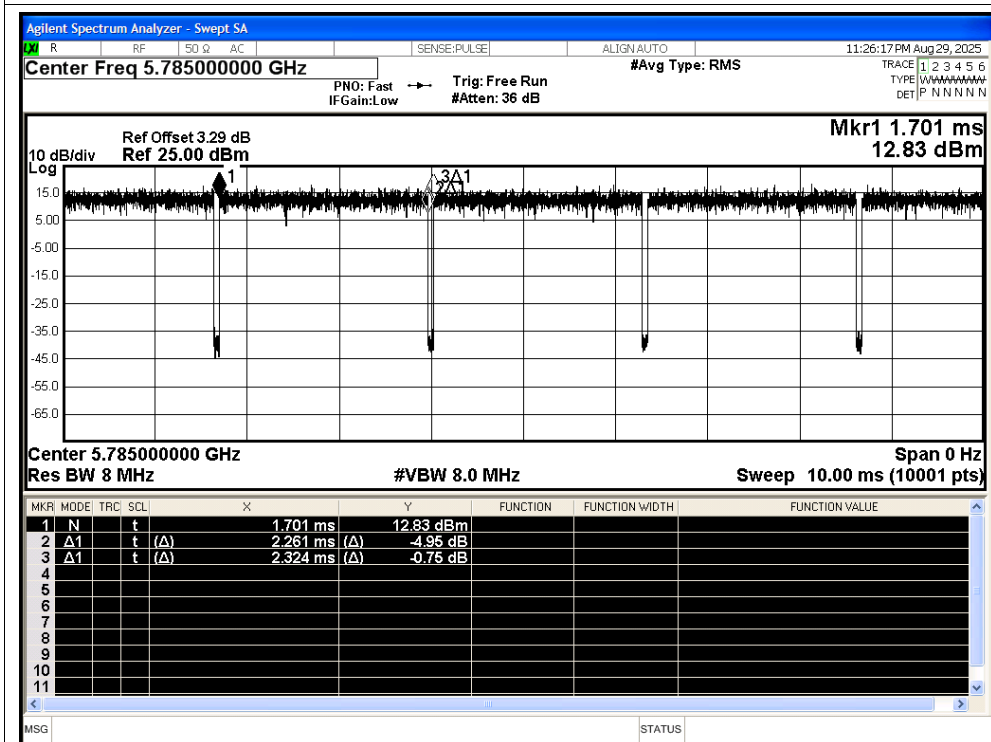
## Duty Cycle NVNT a 5825MHz Ant1



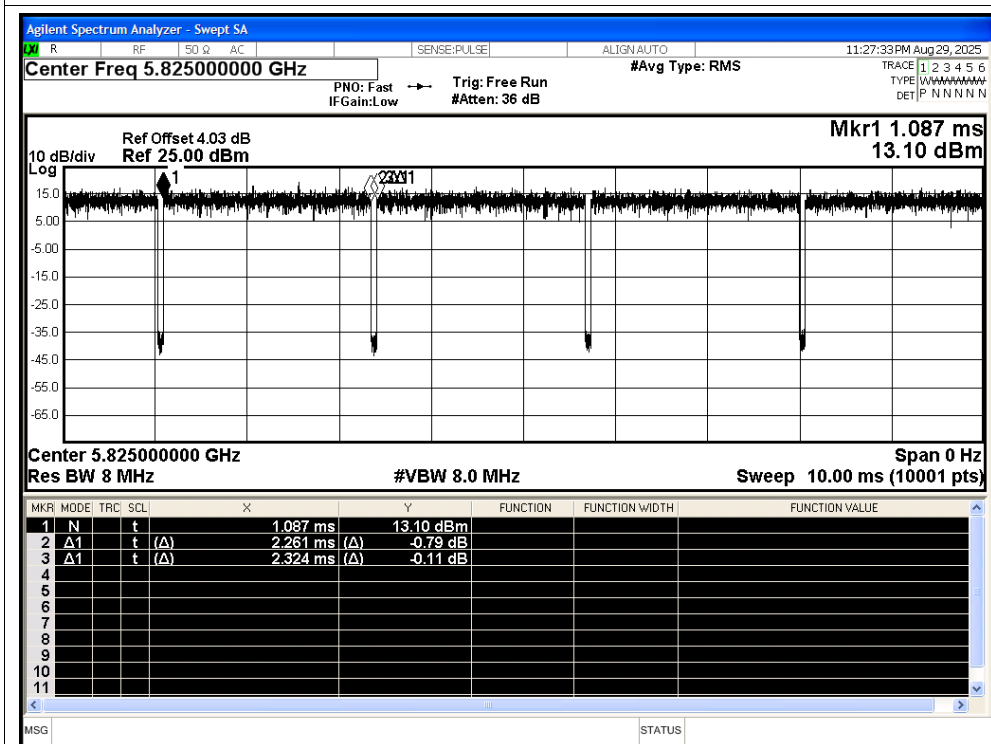
## Duty Cycle NVNT n20 5745MHz Ant1



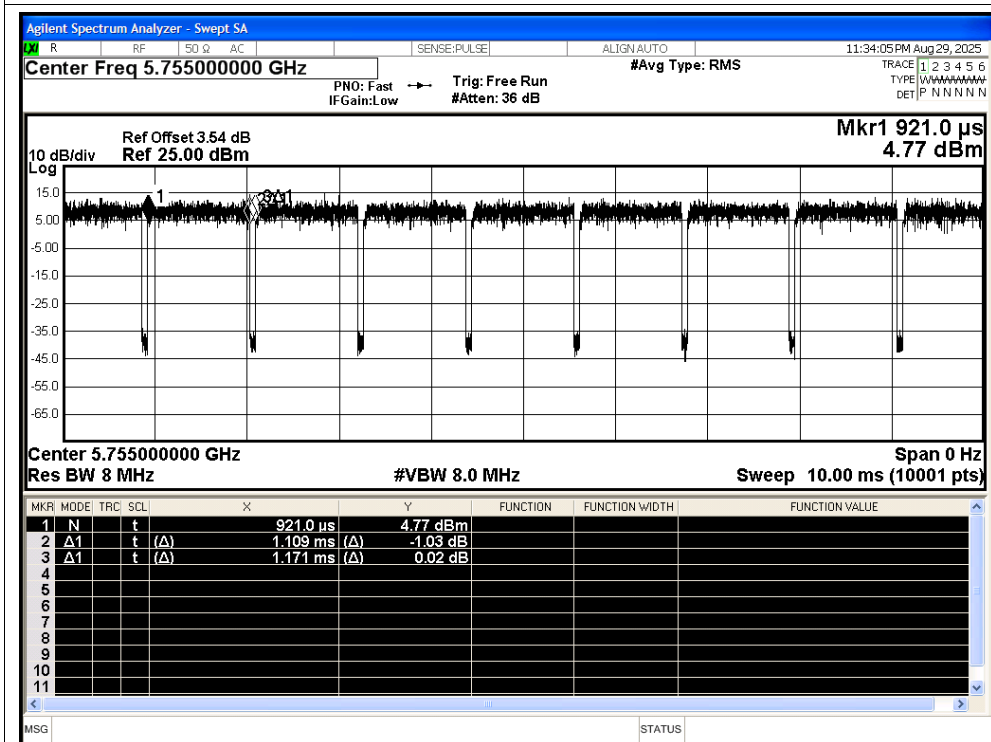
## Duty Cycle NVNT n20 5785MHz Ant1



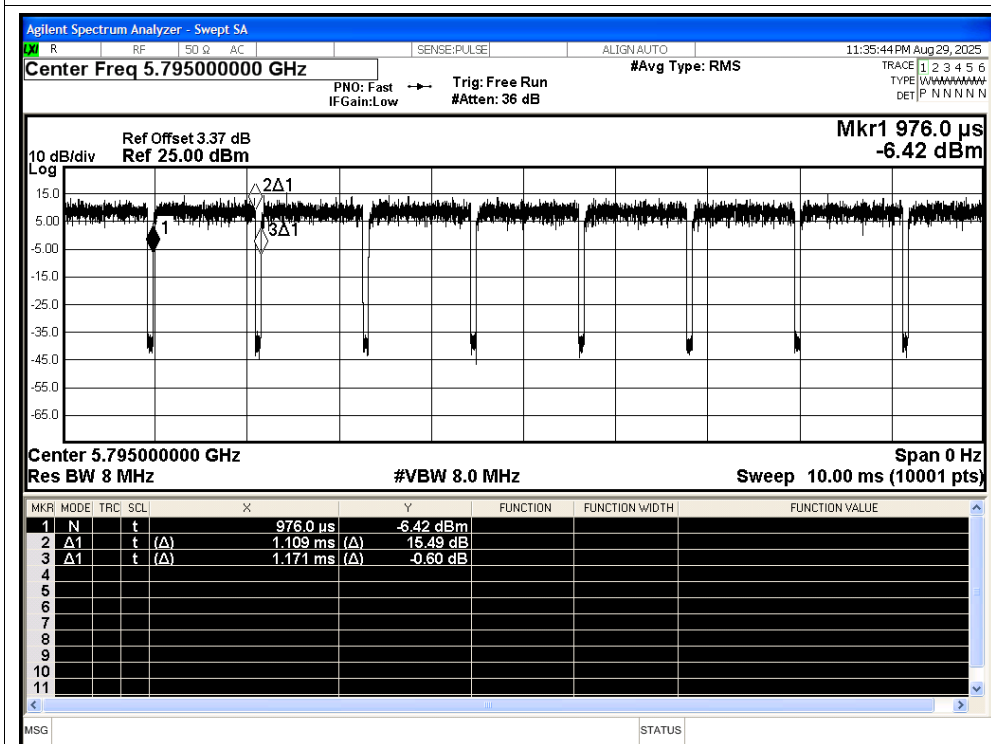
## Duty Cycle NVNT n20 5825MHz Ant1



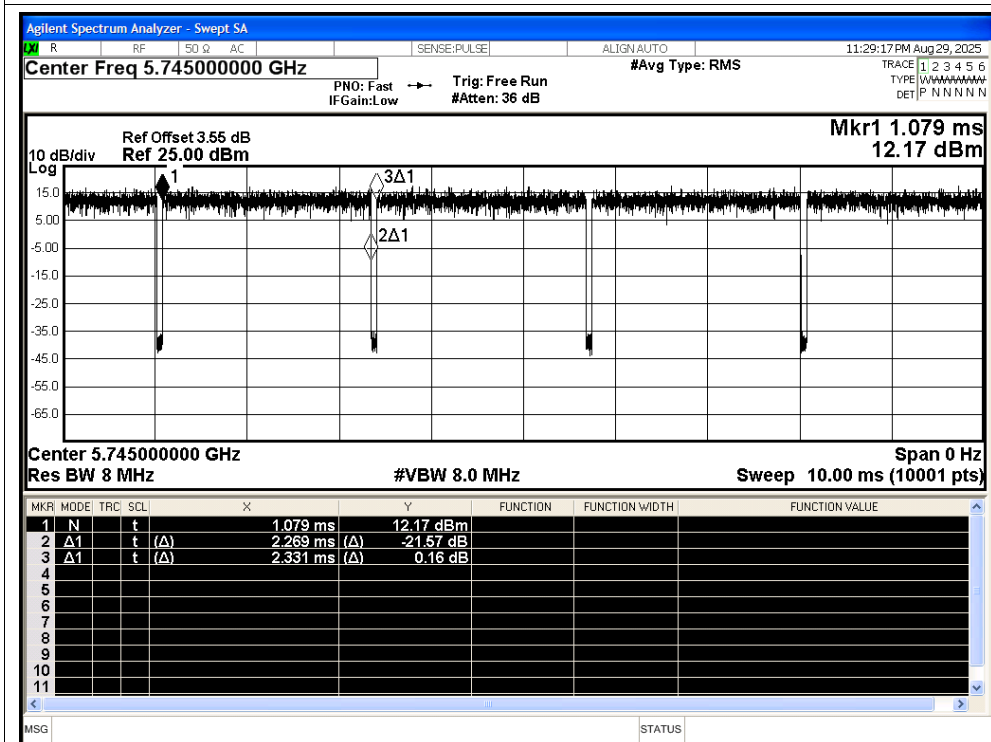
## Duty Cycle NVNT n40 5755MHz Ant1



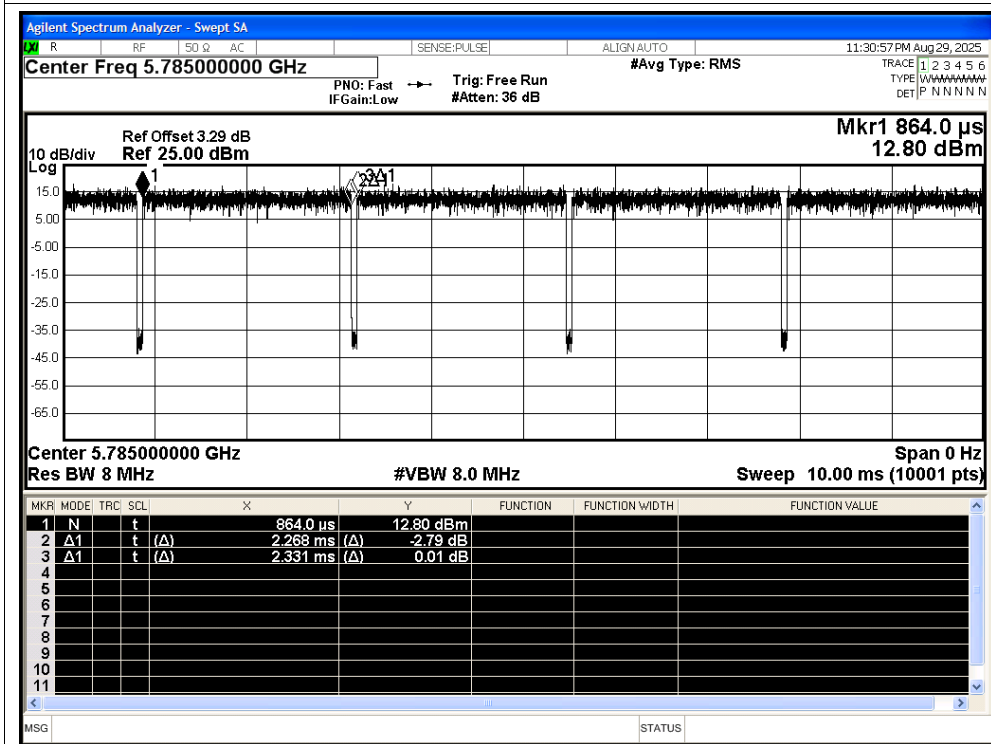
## Duty Cycle NVNT n40 5795MHz Ant1



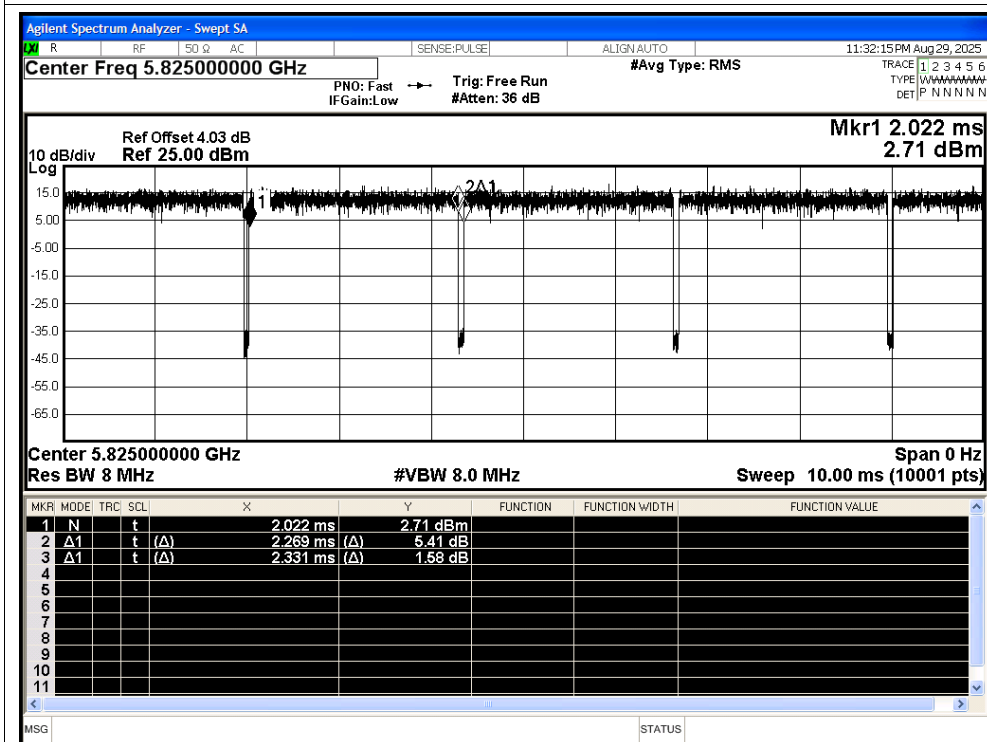
## Duty Cycle NVNT ac20 5745MHz Ant1



## Duty Cycle NVNT ac20 5785MHz Ant1



## Duty Cycle NVNT ac20 5825MHz Ant1



## Duty Cycle NVNT ac40 5755MHz Ant1

