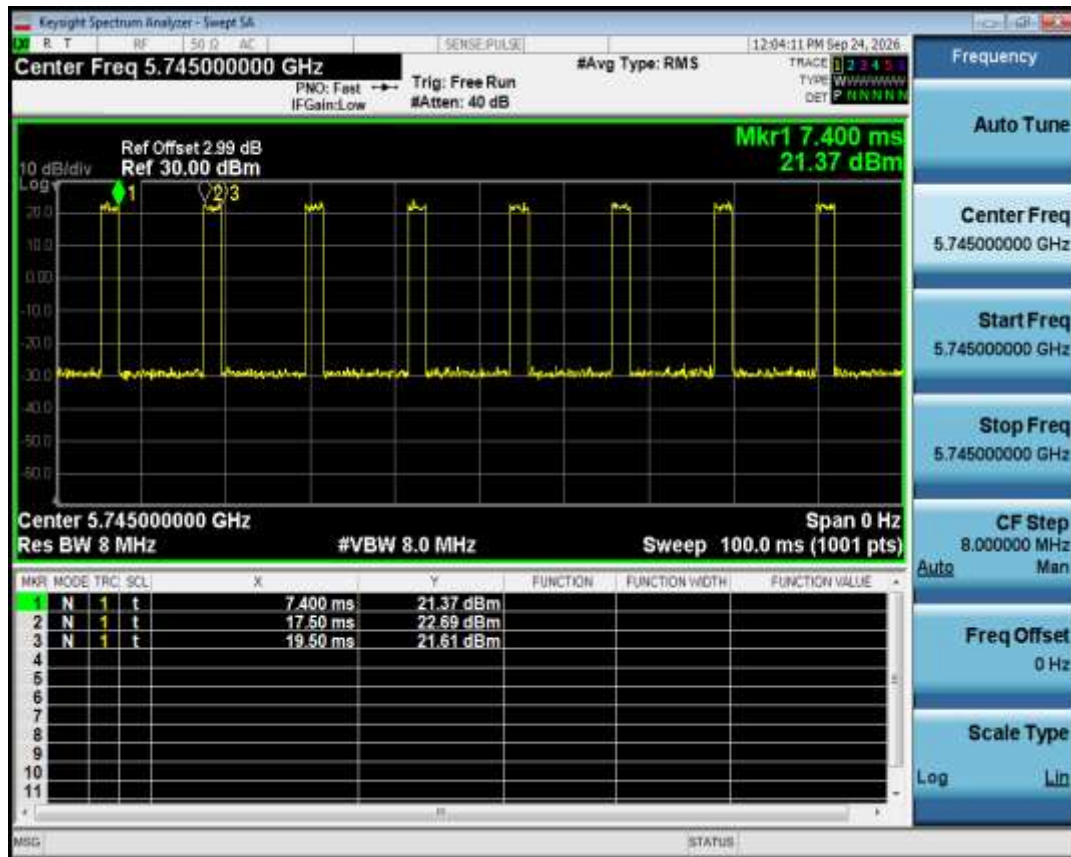


## RF Test Data

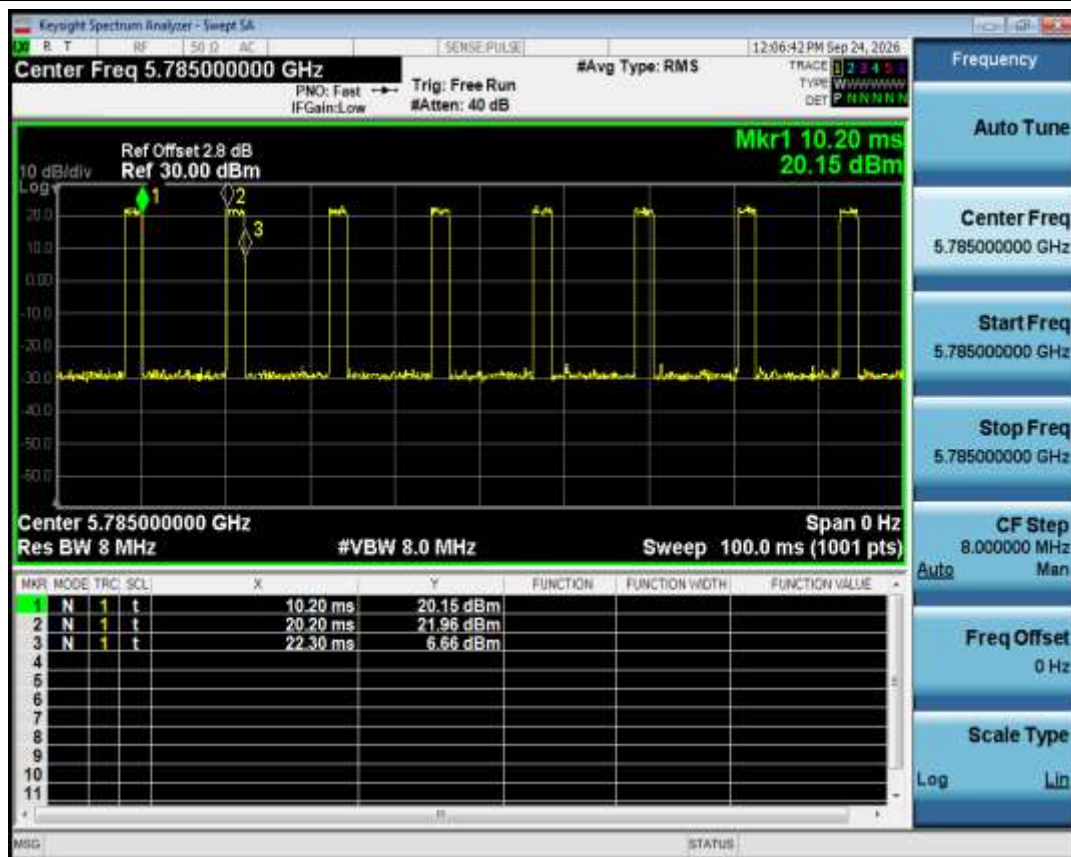
|                                           |    |
|-------------------------------------------|----|
| Duty Cycle .....                          | 2  |
| Maximum Conducted Output Power .....      | 10 |
| -6dB Bandwidth .....                      | 11 |
| Occupied Channel Bandwidth .....          | 19 |
| Maximum Power Spectral Density Level..... | 27 |
| Band Edge.....                            | 35 |
| Conducted RF Spurious Emission .....      | 41 |

## Duty Cycle

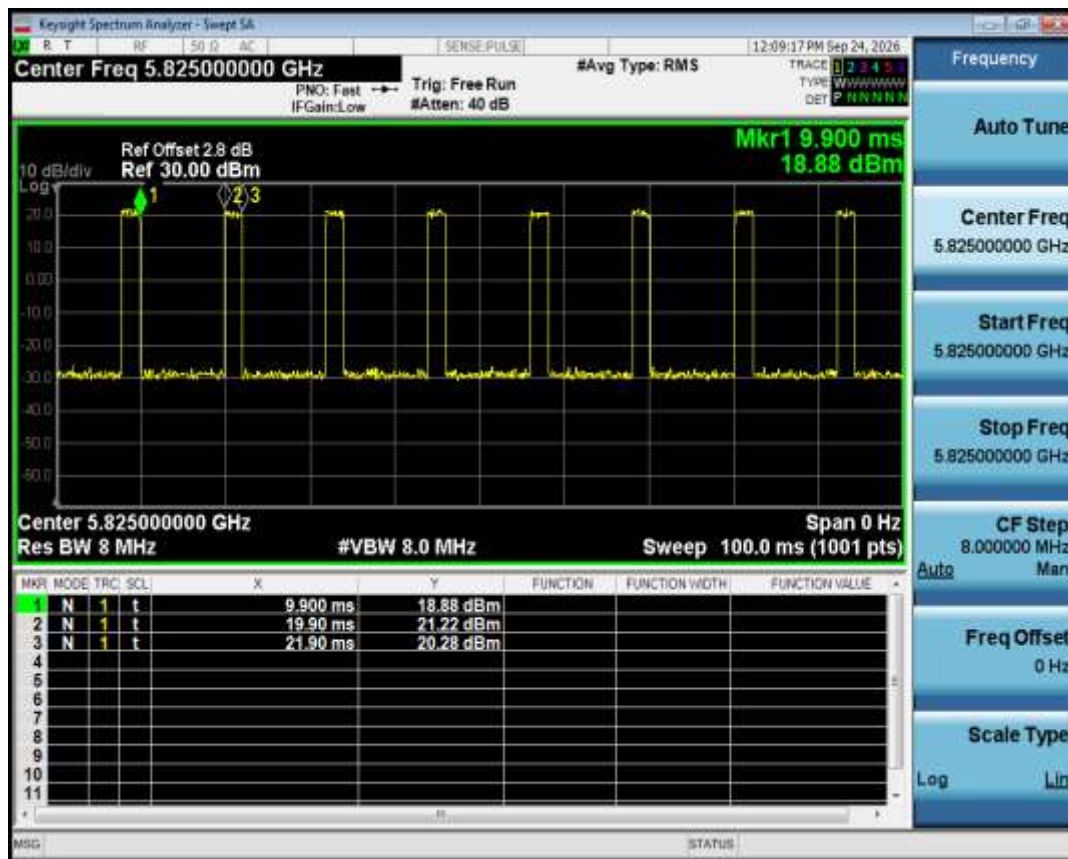
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | a    | 5745            | Ant1    | 16.53          | 7.82                   | 0.5       |
| NVNT      | a    | 5785            | Ant1    | 17.36          | 7.61                   | 0.48      |
| NVNT      | a    | 5825            | Ant1    | 16.67          | 7.78                   | 0.5       |
| NVNT      | n20  | 5745            | Ant1    | 5.21           | 12.83                  | 1.82      |
| NVNT      | n20  | 5785            | Ant1    | 4.74           | 13.24                  | 2         |
| NVNT      | n20  | 5825            | Ant1    | 5.21           | 12.83                  | 1.82      |
| NVNT      | n40  | 5755            | Ant1    | 4.76           | 13.22                  | 2         |
| NVNT      | n40  | 5795            | Ant1    | 4.76           | 13.22                  | 2         |
| NVNT      | ac20 | 5745            | Ant1    | 5.66           | 12.47                  | 1.67      |
| NVNT      | ac20 | 5785            | Ant1    | 5.66           | 12.47                  | 1.67      |
| NVNT      | ac20 | 5825            | Ant1    | 5.66           | 12.47                  | 1.67      |
| NVNT      | ac40 | 5755            | Ant1    | 4.76           | 13.22                  | 2         |
| NVNT      | ac40 | 5795            | Ant1    | 4.76           | 13.22                  | 2         |



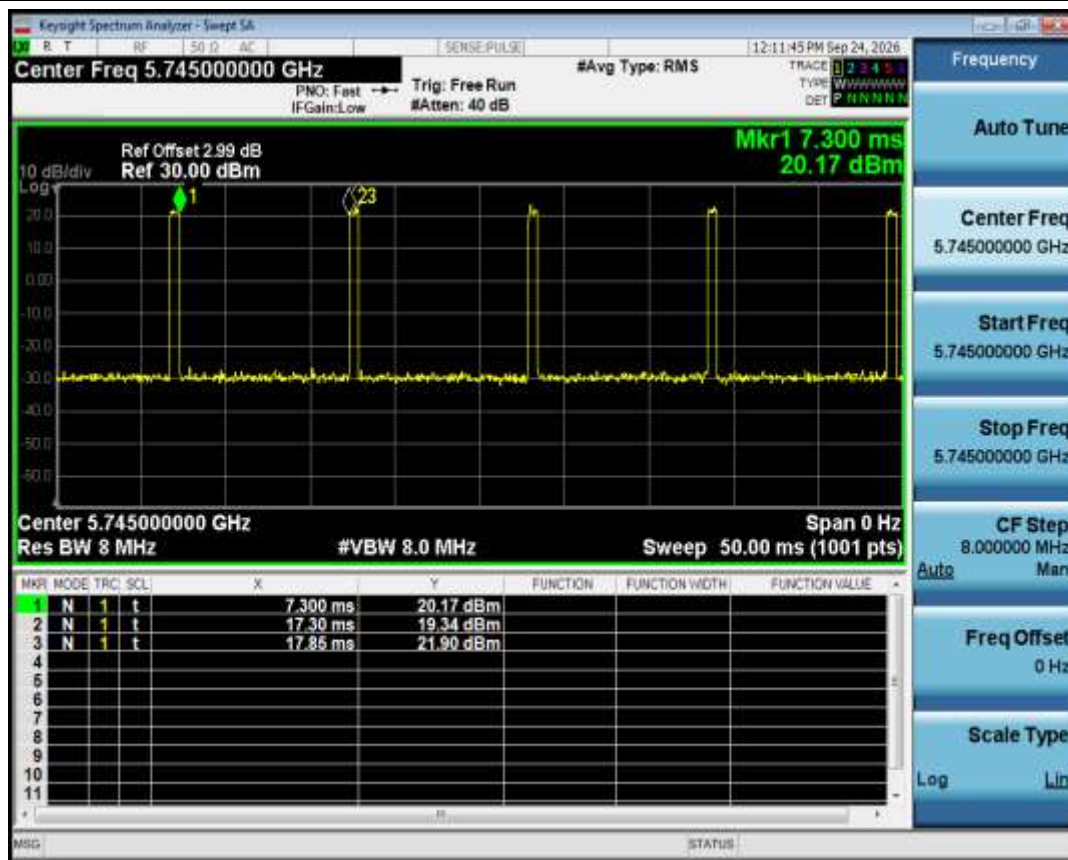
Duty Cycle NVNT a 5745MHz Ant1



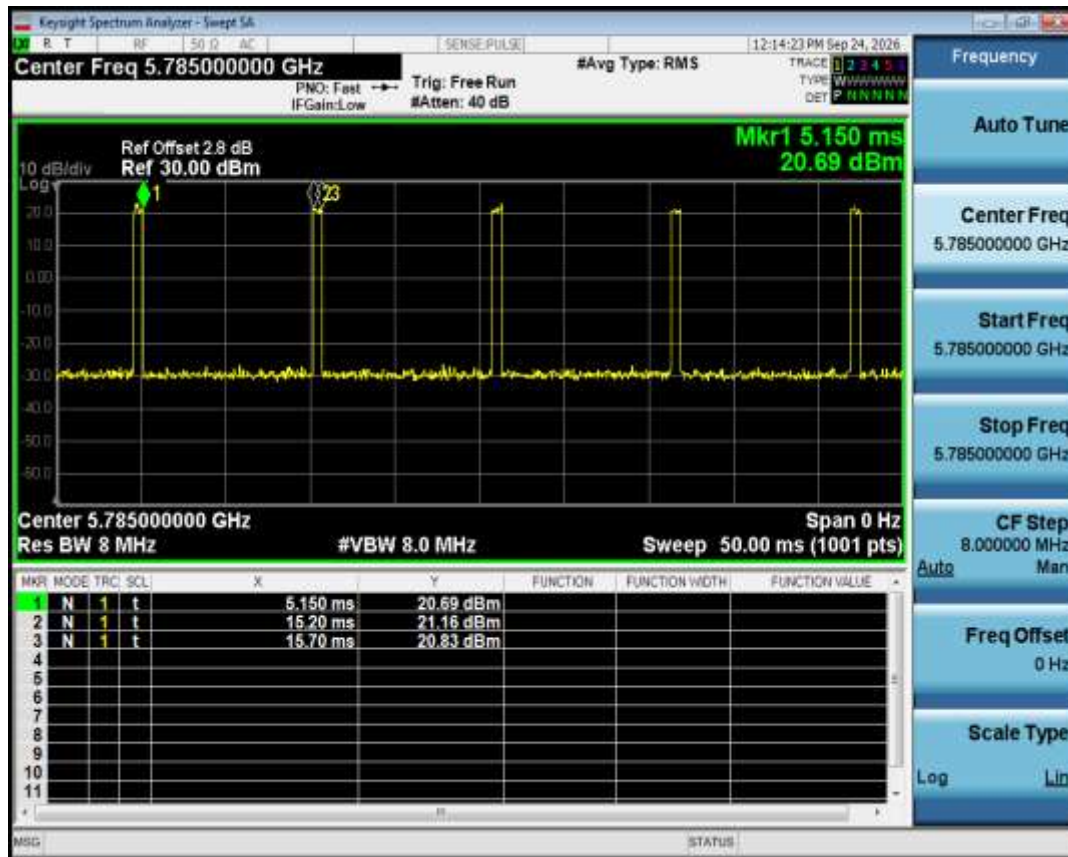
Duty Cycle NVNT a 5785MHz Ant1



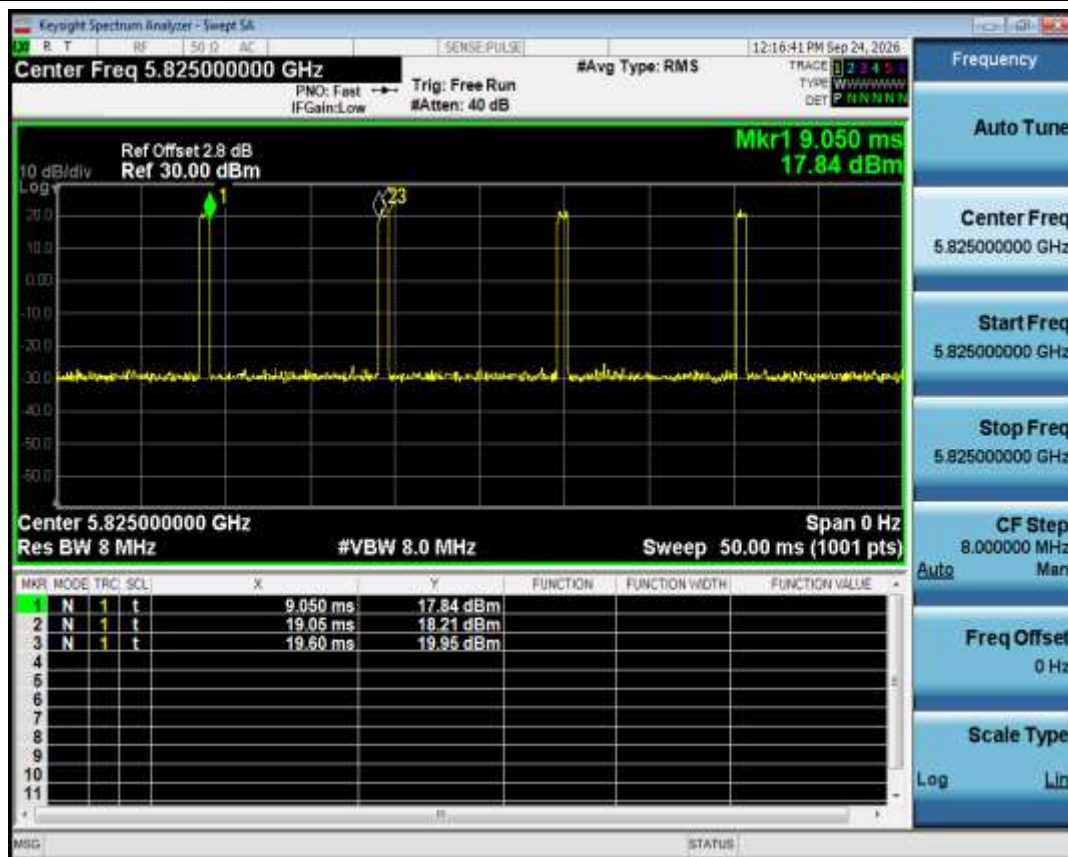
Duty Cycle NVNT a 5825MHz Ant1



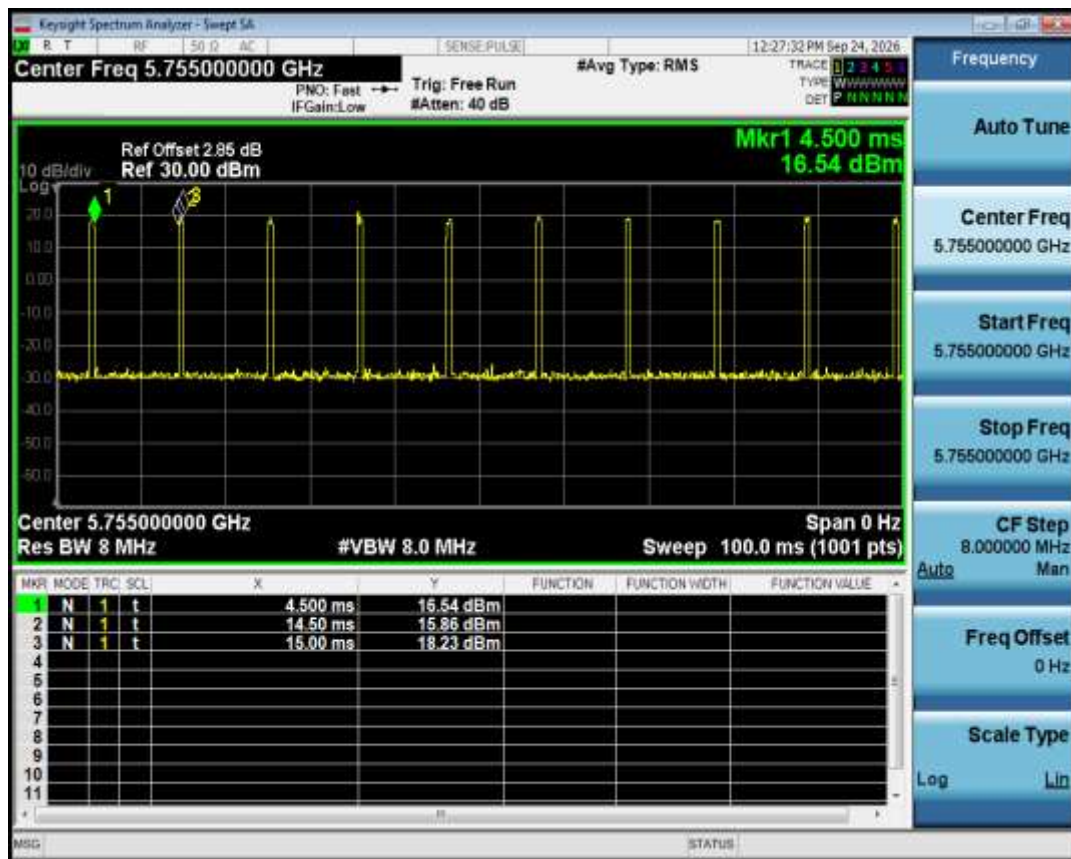
Duty Cycle NVNT n20 5745MHz Ant1



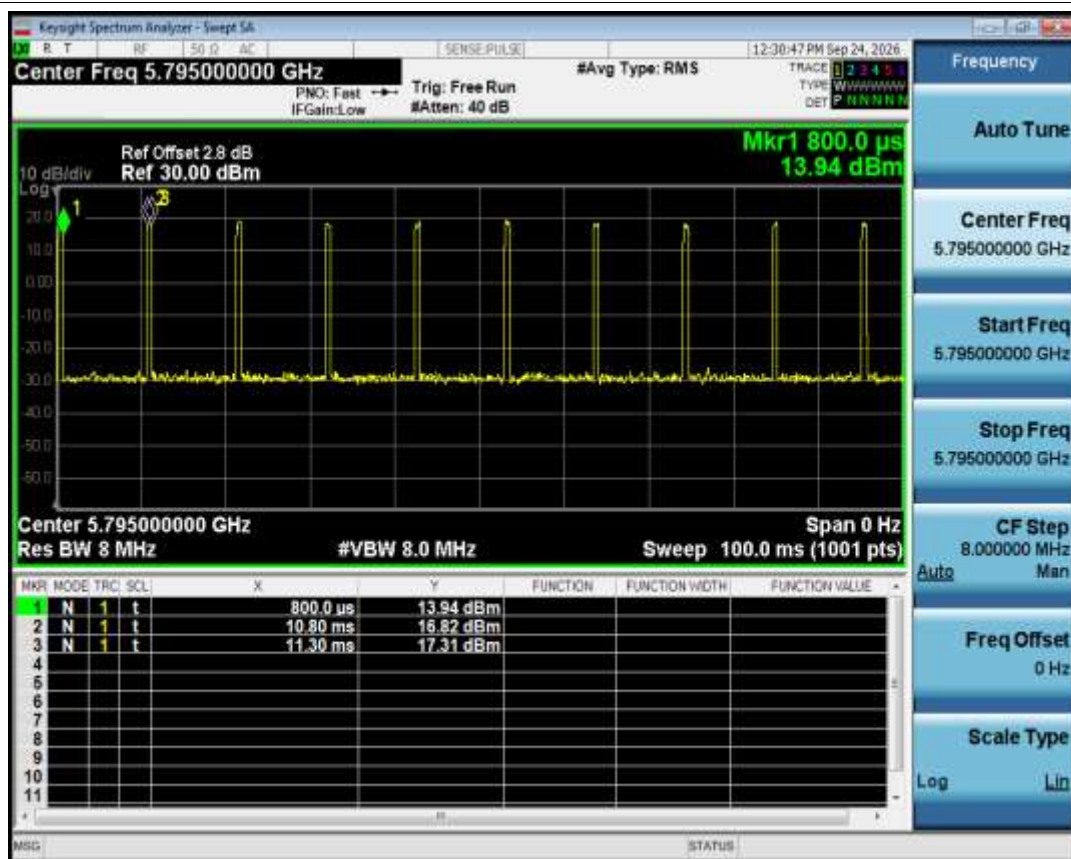
Duty Cycle NVNT n20 5785MHz Ant1



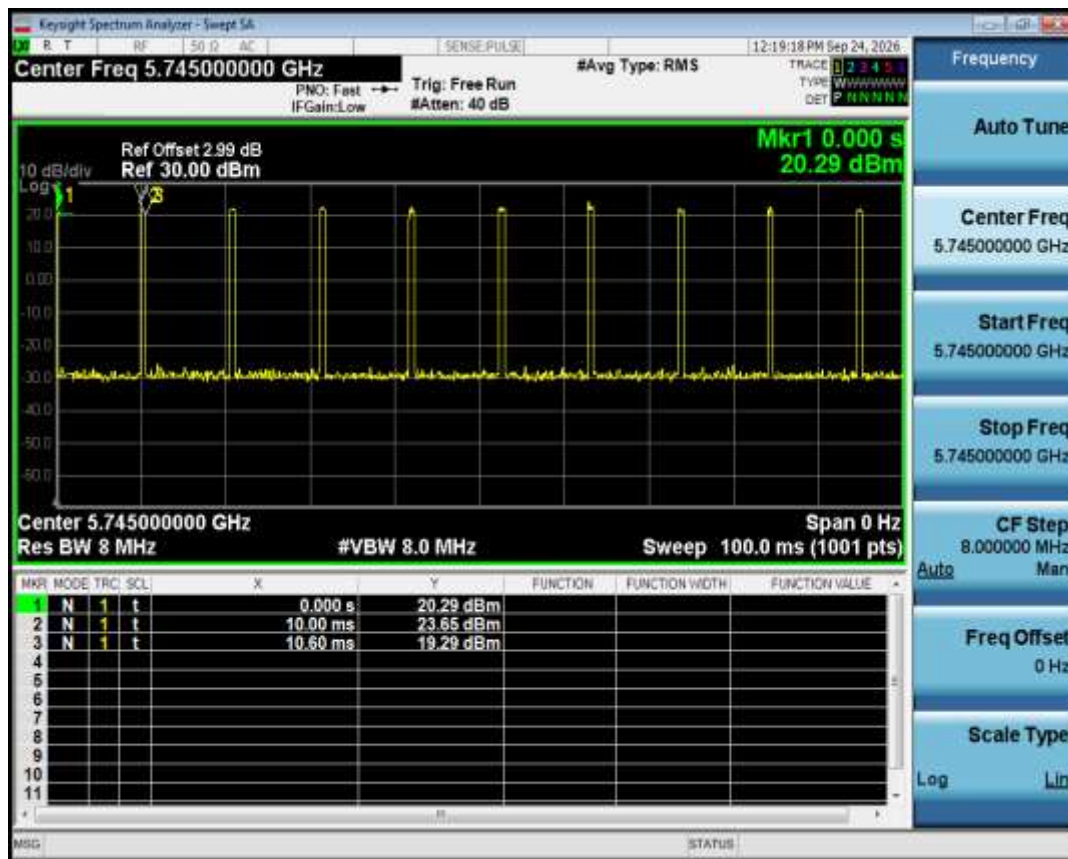
Duty Cycle NVNT n20 5825MHz Ant1



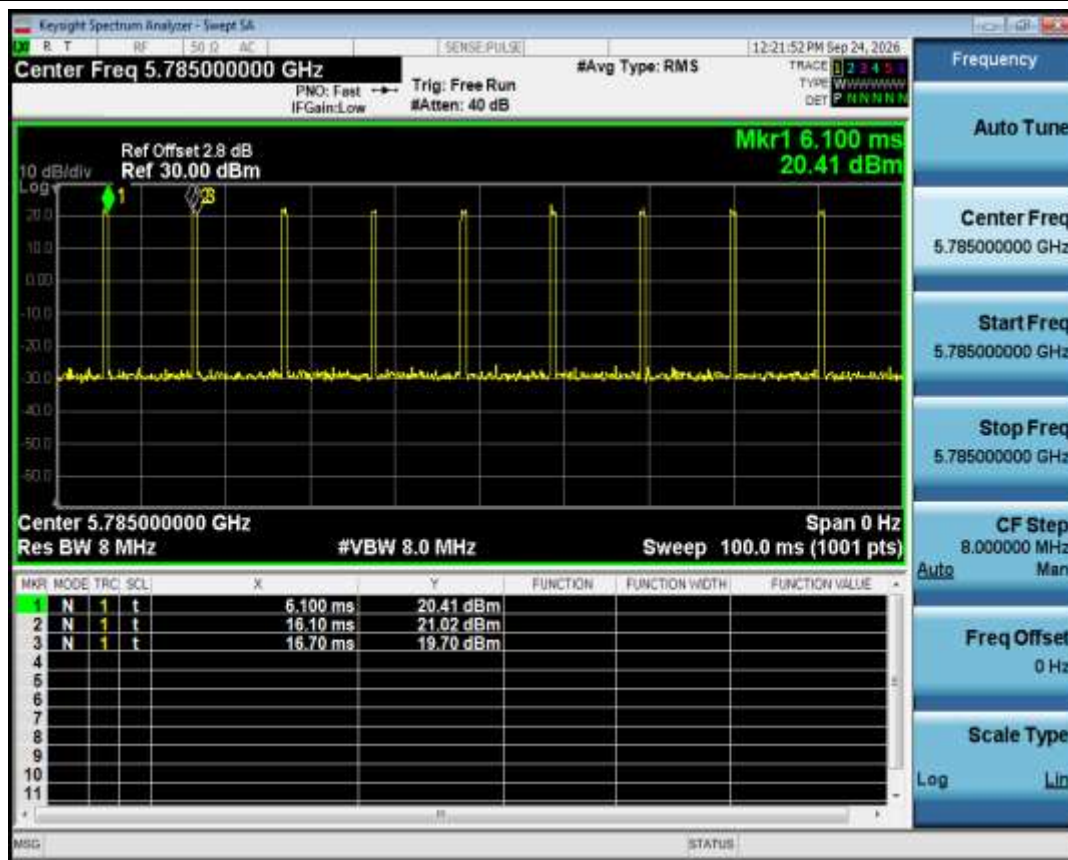
Duty Cycle NVNT n40 5755MHz Ant1



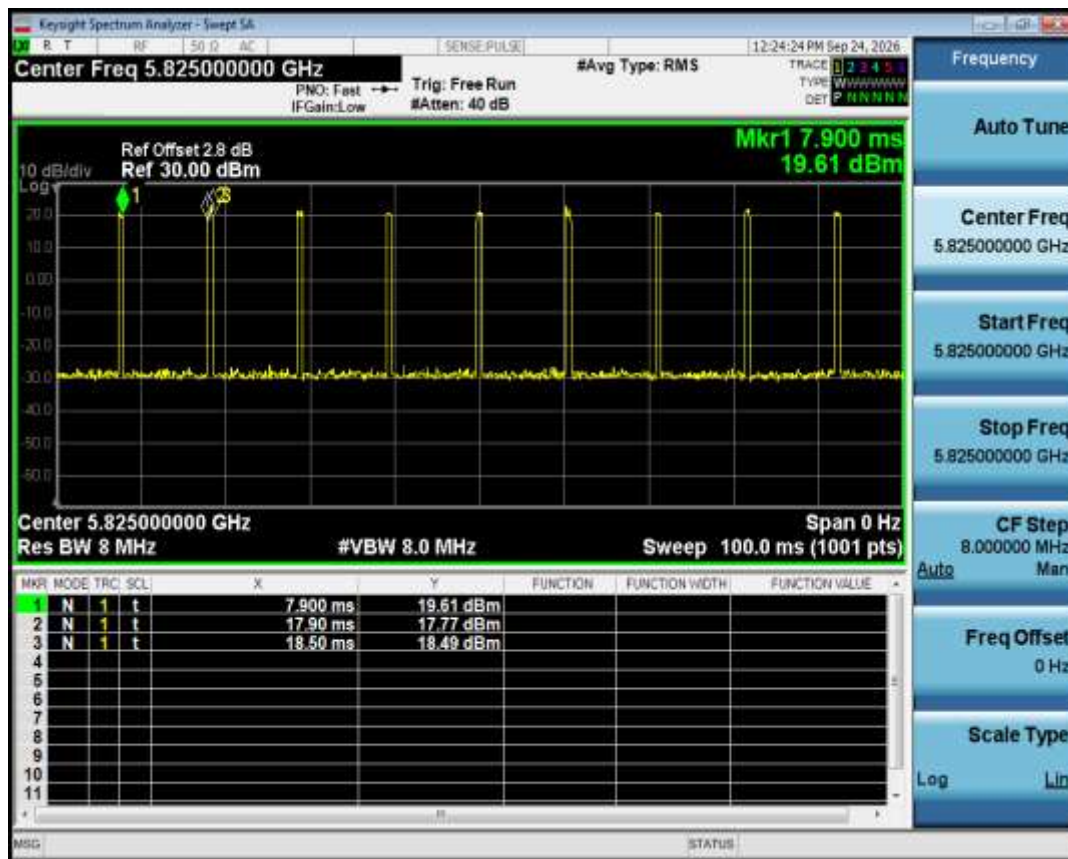
Duty Cycle NVNT n40 5795MHz Ant1



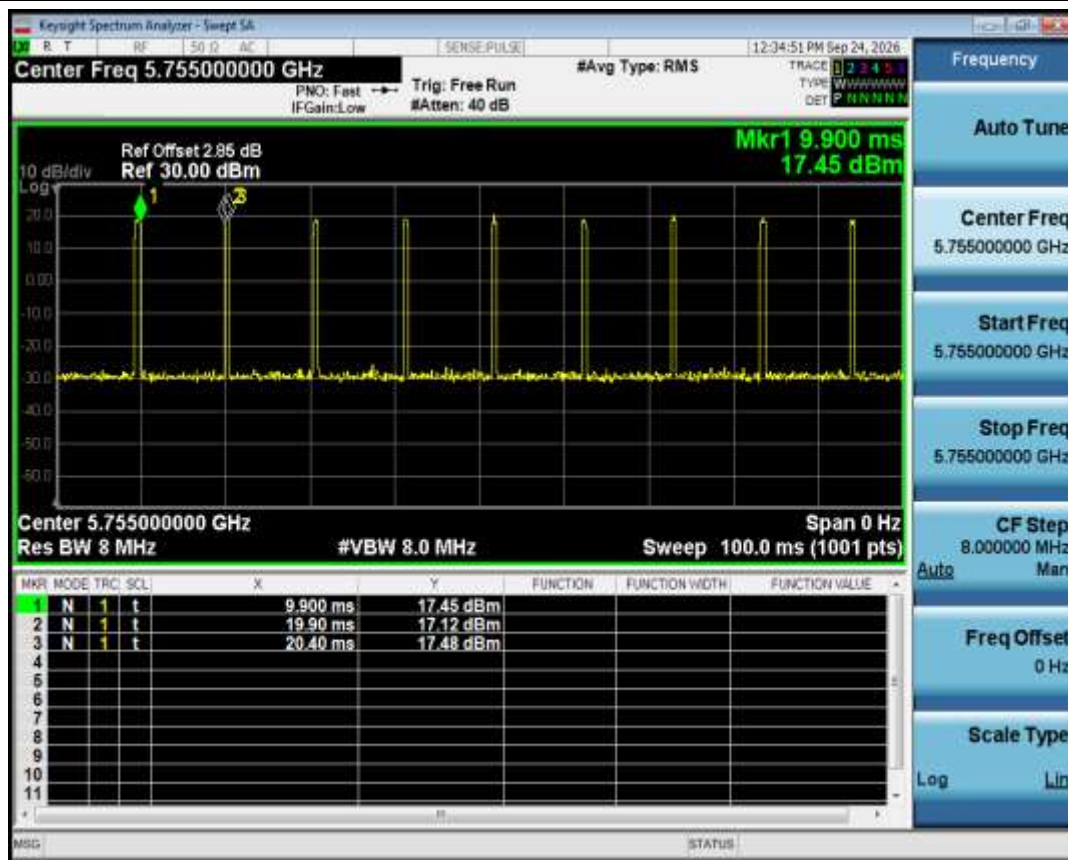
Duty Cycle NVNT ac20 5745MHz Ant1



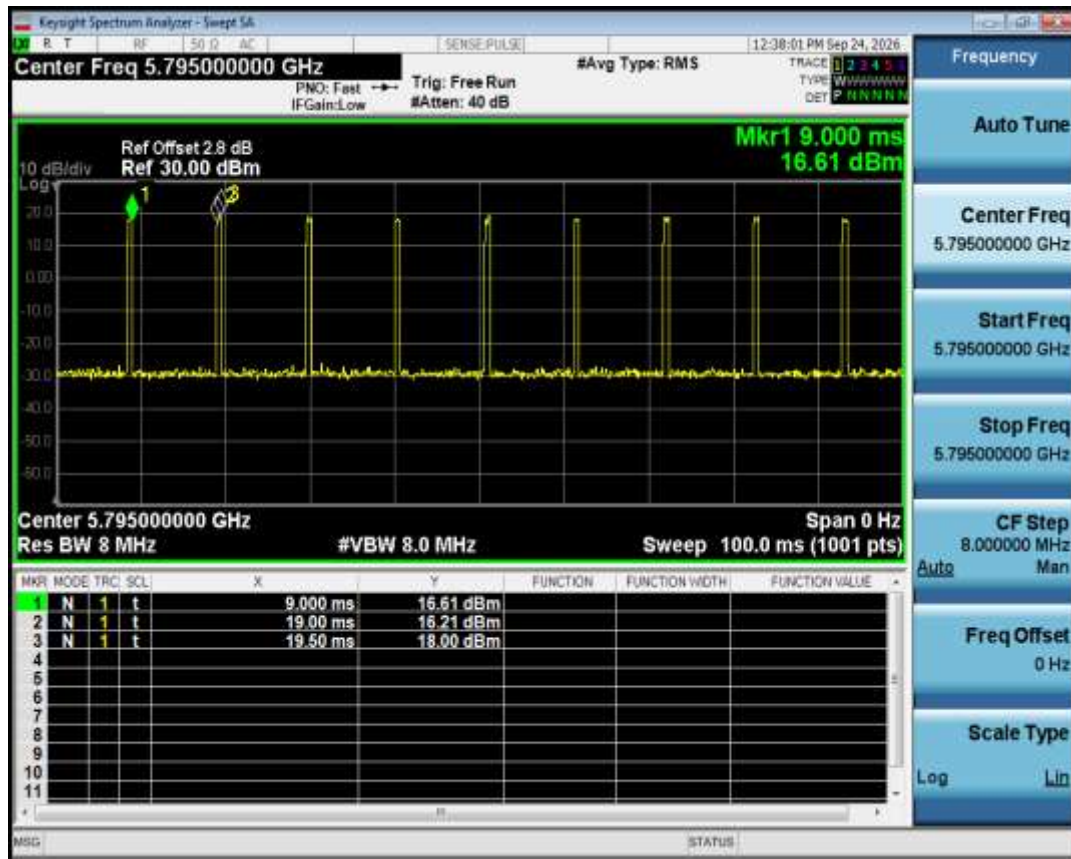
Duty Cycle NVNT ac20 5785MHz Ant1



Duty Cycle NVNT ac20 5825MHz Ant1



Duty Cycle NVNT ac40 5755MHz Ant1



Duty Cycle NVNT ac40 5795MHz Ant1

## Maximum Conducted Output Power

| Condition | Mode | Frequency<br>(MHz) | Antenna | Conducted<br>Power (dBm) | Conducted<br>Power (W) | Limit<br>Conducted(dBm) | Verdict |
|-----------|------|--------------------|---------|--------------------------|------------------------|-------------------------|---------|
| NVNT      | a    | 5745               | Ant1    | 16.2                     | 0.04169                | 30                      | Pass    |
| NVNT      | a    | 5785               | Ant1    | 16.25                    | 0.04217                | 30                      | Pass    |
| NVNT      | a    | 5825               | Ant1    | 15.63                    | 0.03656                | 30                      | Pass    |
| NVNT      | n20  | 5745               | Ant1    | 16.28                    | 0.04246                | 30                      | Pass    |
| NVNT      | n20  | 5785               | Ant1    | 16.41                    | 0.04375                | 30                      | Pass    |
| NVNT      | n20  | 5825               | Ant1    | 15.8                     | 0.03802                | 30                      | Pass    |
| NVNT      | n40  | 5755               | Ant1    | 16.25                    | 0.04217                | 30                      | Pass    |
| NVNT      | n40  | 5795               | Ant1    | 16.31                    | 0.04276                | 30                      | Pass    |
| NVNT      | ac20 | 5745               | Ant1    | 16.28                    | 0.04246                | 30                      | Pass    |
| NVNT      | ac20 | 5785               | Ant1    | 16.37                    | 0.04335                | 30                      | Pass    |
| NVNT      | ac20 | 5825               | Ant1    | 15.74                    | 0.0375                 | 30                      | Pass    |
| NVNT      | ac40 | 5755               | Ant1    | 16.28                    | 0.04246                | 30                      | Pass    |
| NVNT      | ac40 | 5795               | Ant1    | 16.32                    | 0.04285                | 30                      | Pass    |

## -6dB Bandwidth

| Condition | Mode | Frequency<br>(MHz) | Antenna | -6 dB Bandwidth<br>(MHz) | Limit -6 dB Bandwidth<br>(MHz) | Verdict |
|-----------|------|--------------------|---------|--------------------------|--------------------------------|---------|
| NVNT      | a    | 5745               | Ant1    | 16.37                    | 0.5                            | Pass    |
| NVNT      | a    | 5785               | Ant1    | 16.57                    | 0.5                            | Pass    |
| NVNT      | a    | 5825               | Ant1    | 16.35                    | 0.5                            | Pass    |
| NVNT      | n20  | 5745               | Ant1    | 17.75                    | 0.5                            | Pass    |
| NVNT      | n20  | 5785               | Ant1    | 17.27                    | 0.5                            | Pass    |
| NVNT      | n20  | 5825               | Ant1    | 17.69                    | 0.5                            | Pass    |
| NVNT      | n40  | 5755               | Ant1    | 36.31                    | 0.5                            | Pass    |
| NVNT      | n40  | 5795               | Ant1    | 36.41                    | 0.5                            | Pass    |
| NVNT      | ac20 | 5745               | Ant1    | 17.67                    | 0.5                            | Pass    |
| NVNT      | ac20 | 5785               | Ant1    | 17.64                    | 0.5                            | Pass    |
| NVNT      | ac20 | 5825               | Ant1    | 17.68                    | 0.5                            | Pass    |
| NVNT      | ac40 | 5755               | Ant1    | 36.38                    | 0.5                            | Pass    |
| NVNT      | ac40 | 5795               | Ant1    | 36.39                    | 0.5                            | Pass    |



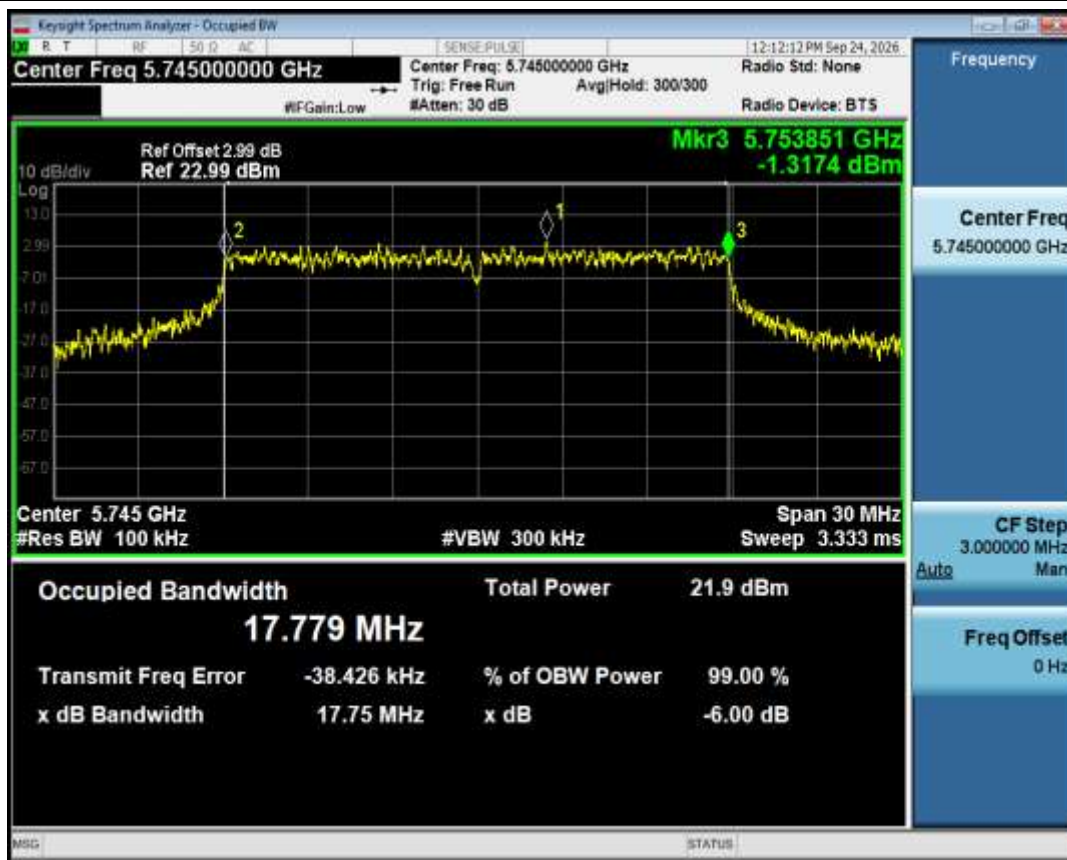
-6dB Bandwidth NVNT a 5745MHz Ant1



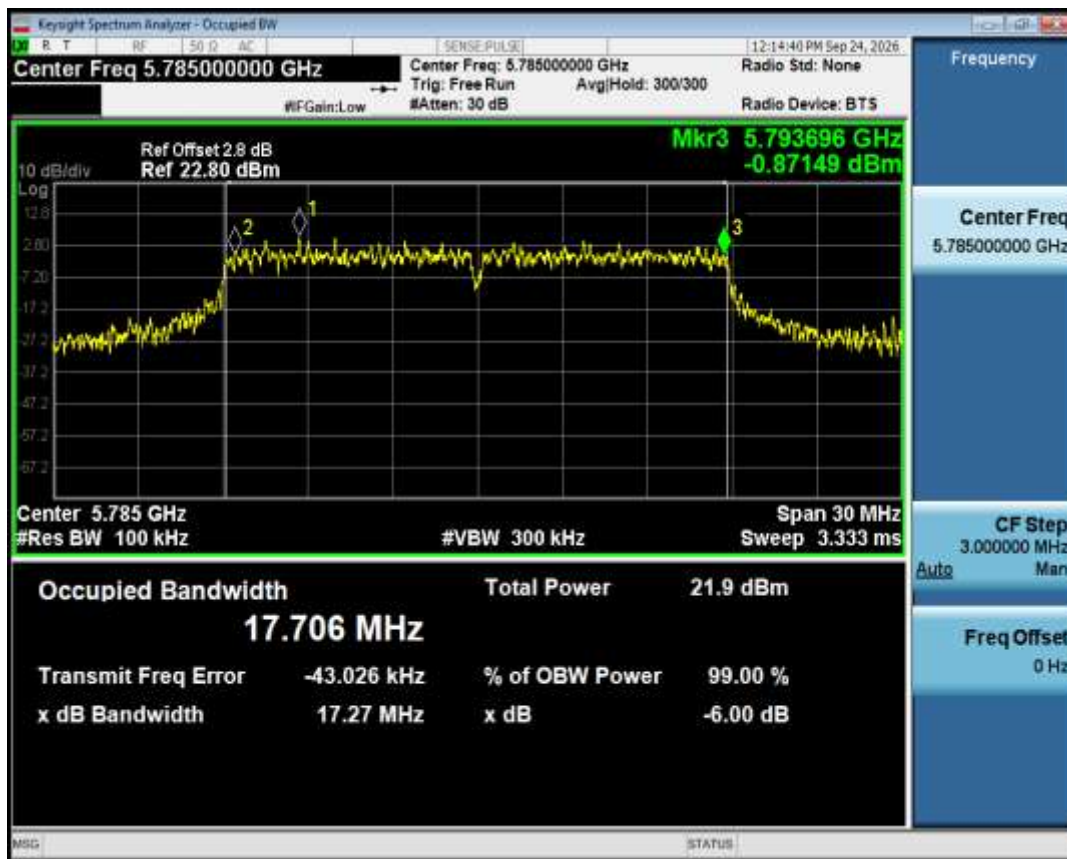
-6dB Bandwidth NVNT a 5785MHz Ant1



-6dB Bandwidth NVNT a 5825MHz Ant1



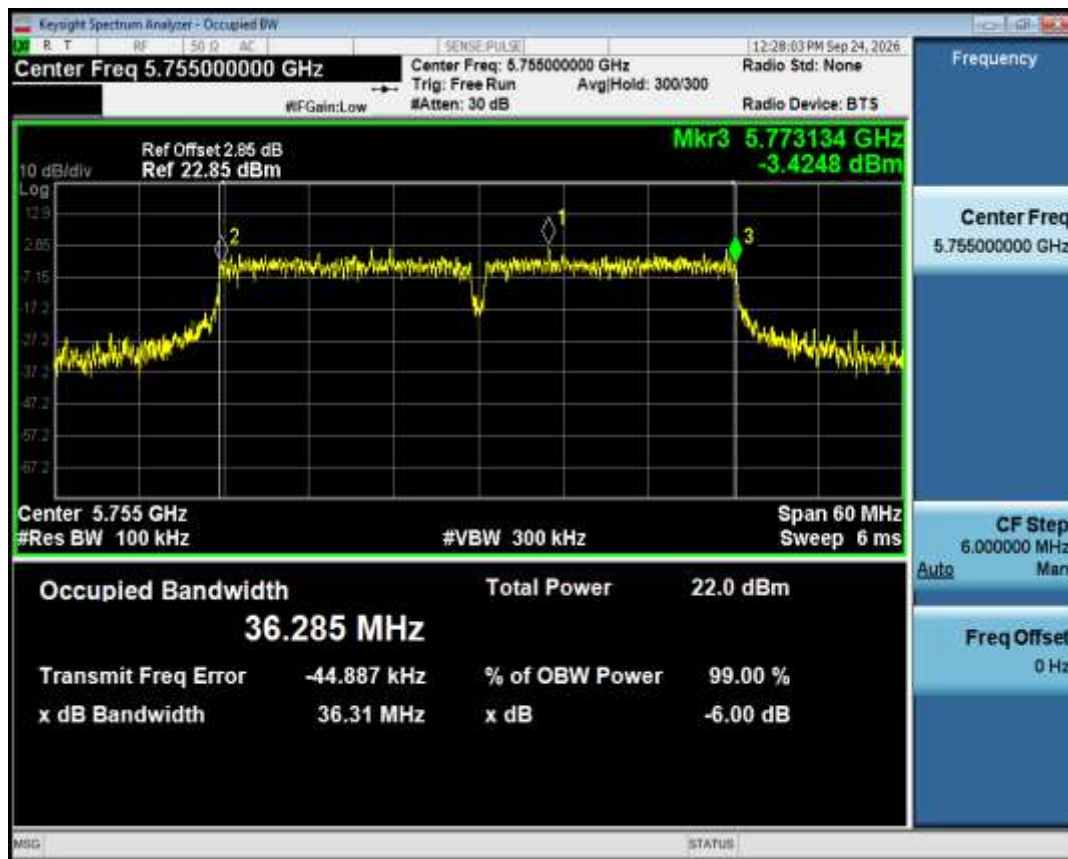
-6dB Bandwidth NVNT n20 5745MHz Ant1



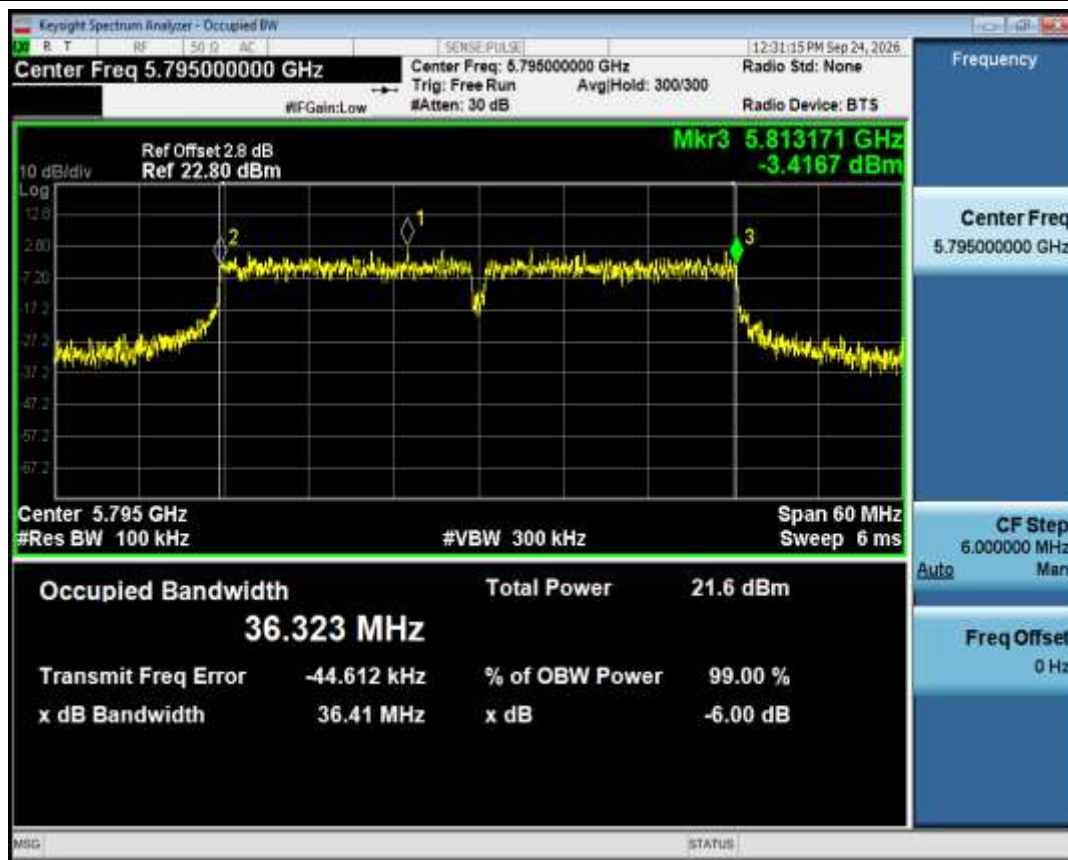
-6dB Bandwidth NVNT n20 5785MHz Ant1



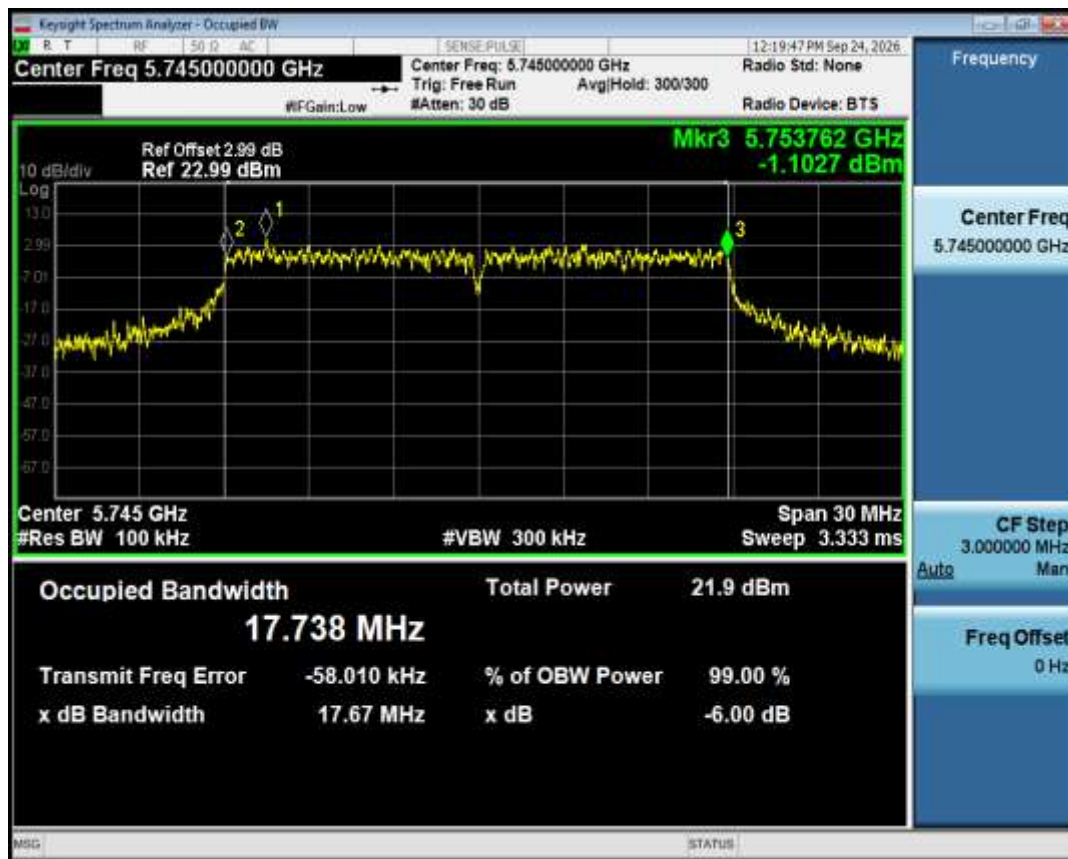
-6dB Bandwidth NVNT n20 5825MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant1



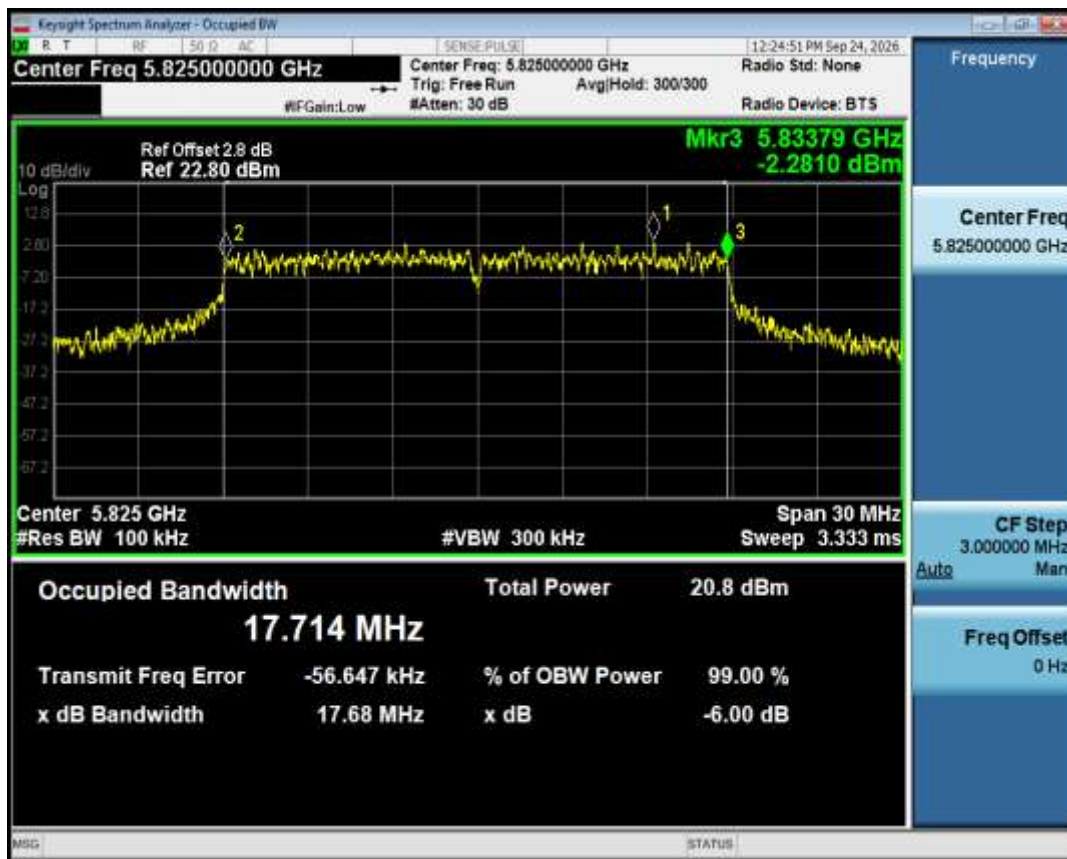
-6dB Bandwidth NVNT n40 5795MHz Ant1



-6dB Bandwidth NVNT ac20 5745MHz Ant1



-6dB Bandwidth NVNT ac20 5785MHz Ant1



-6dB Bandwidth NVNT ac20 5825MHz Ant1



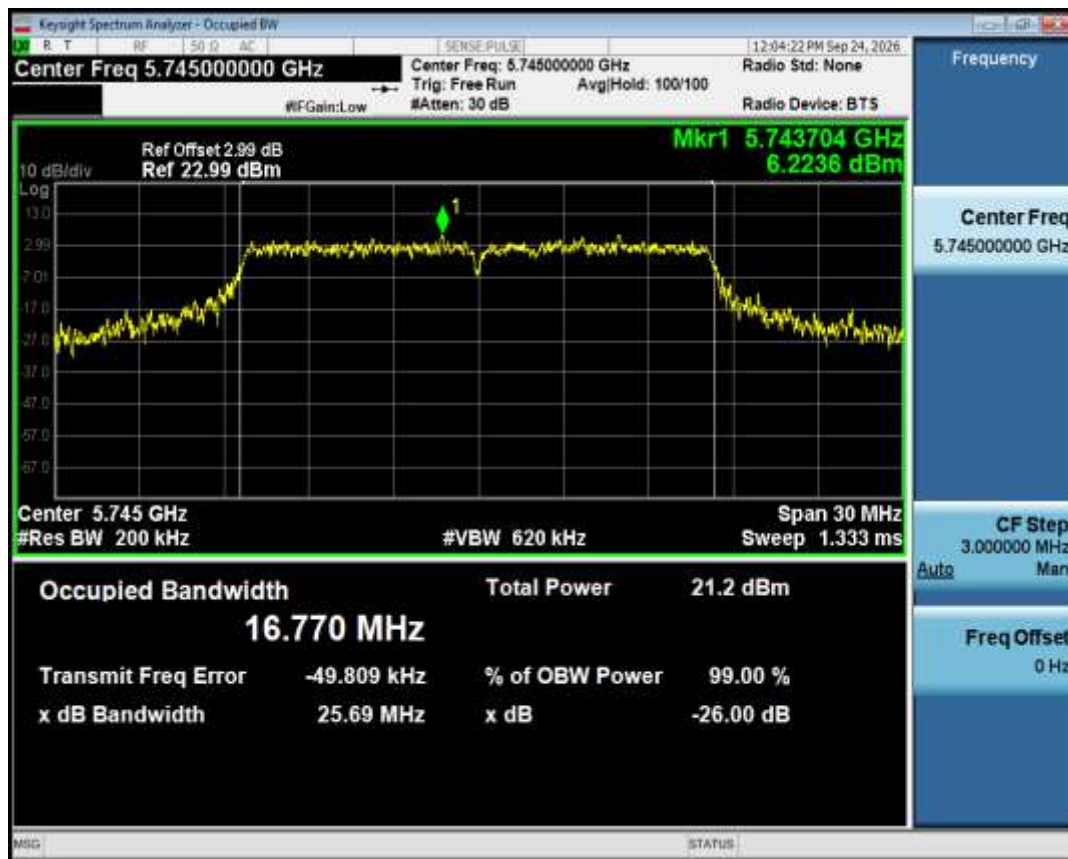
-6dB Bandwidth NVNT ac40 5755MHz Ant1



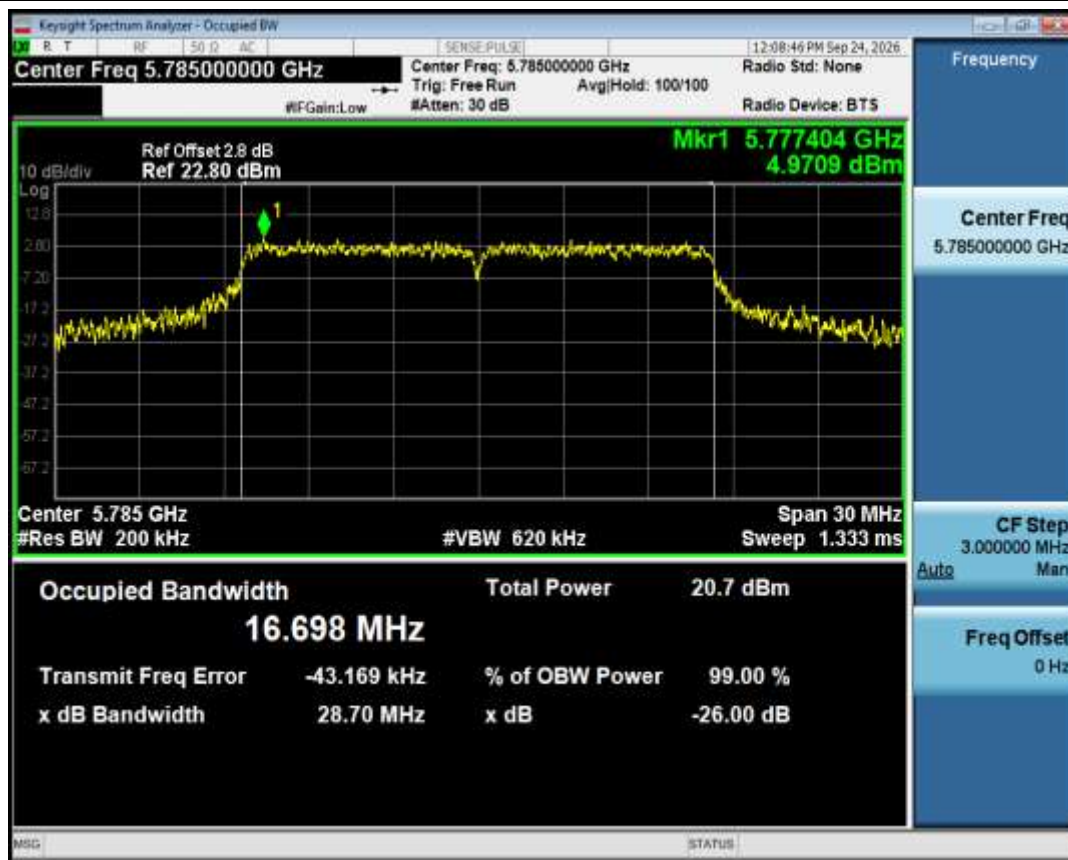
-6dB Bandwidth NVNT ac40 5795MHz Ant1

## Occupied Channel Bandwidth

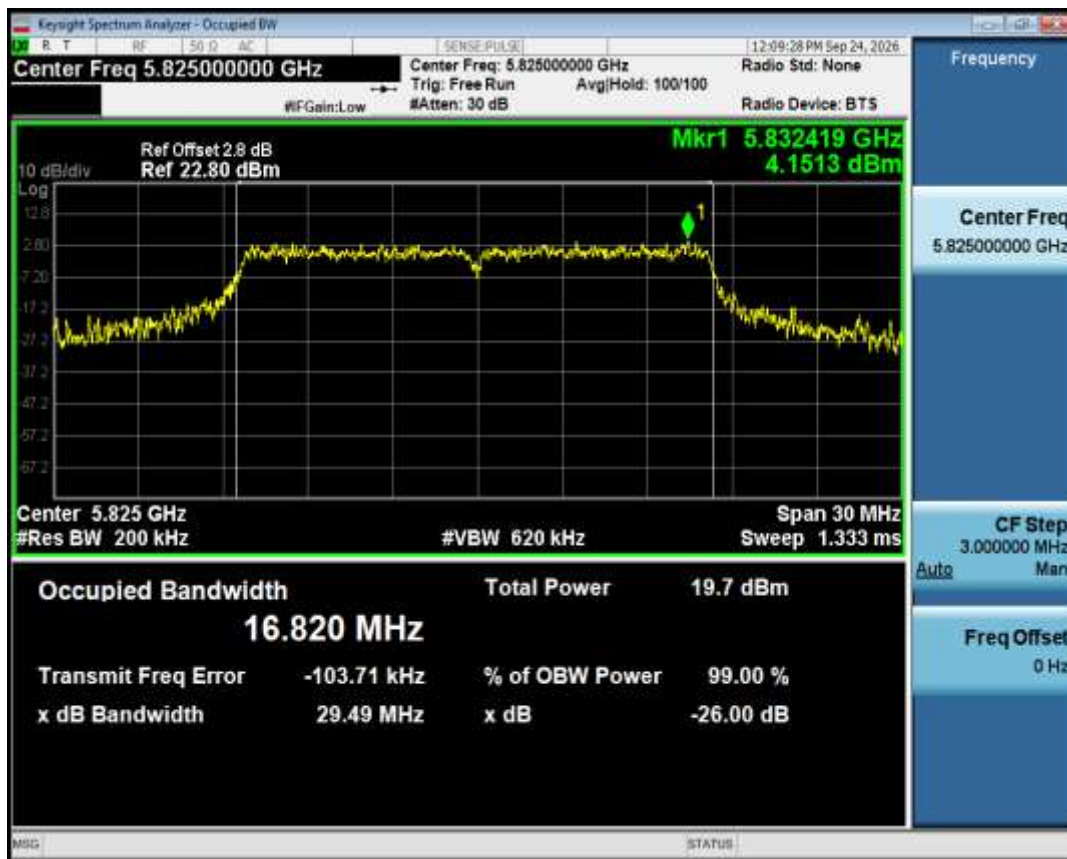
| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | a    | 5745            | Ant1    | 16.77         |
| NVNT      | a    | 5785            | Ant1    | 16.698        |
| NVNT      | a    | 5825            | Ant1    | 16.82         |
| NVNT      | n20  | 5745            | Ant1    | 17.8          |
| NVNT      | n20  | 5785            | Ant1    | 17.732        |
| NVNT      | n20  | 5825            | Ant1    | 17.747        |
| NVNT      | n40  | 5755            | Ant1    | 36.429        |
| NVNT      | n40  | 5795            | Ant1    | 36.407        |
| NVNT      | ac20 | 5745            | Ant1    | 17.751        |
| NVNT      | ac20 | 5785            | Ant1    | 17.85         |
| NVNT      | ac20 | 5825            | Ant1    | 17.808        |
| NVNT      | ac40 | 5755            | Ant1    | 36.372        |
| NVNT      | ac40 | 5795            | Ant1    | 36.357        |



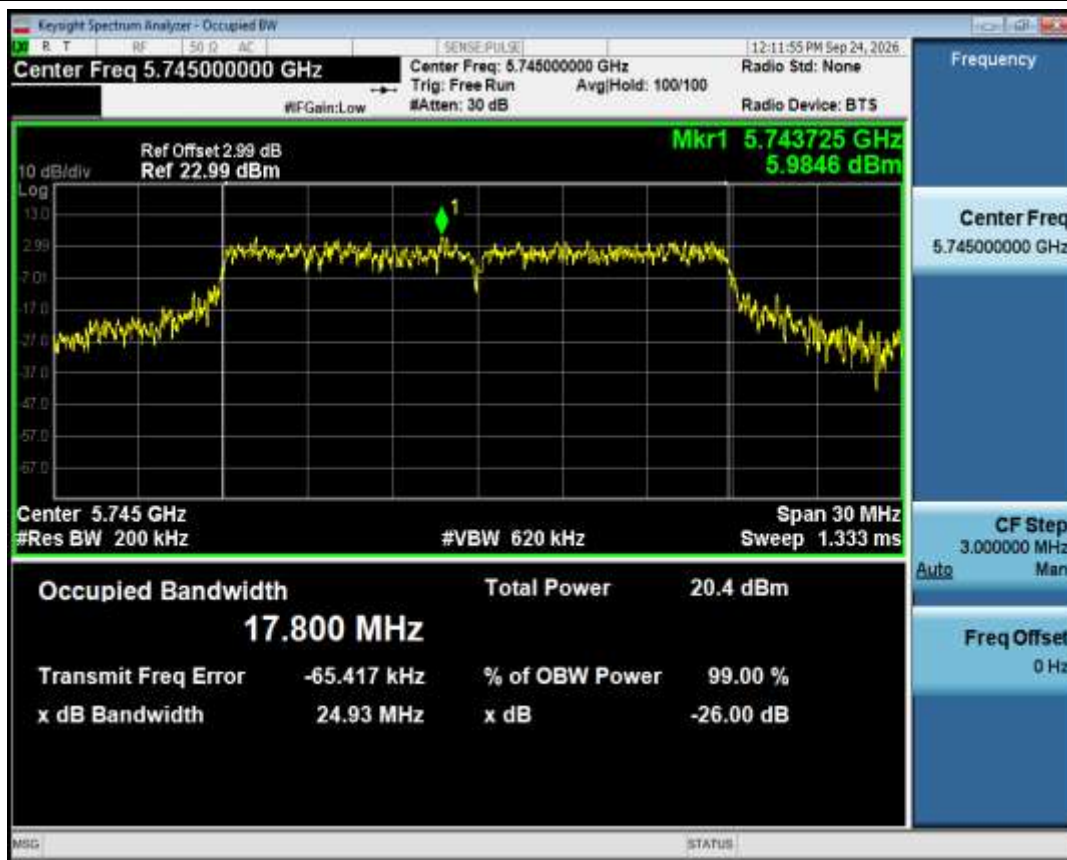
OBW NVNT a 5745MHz Ant1



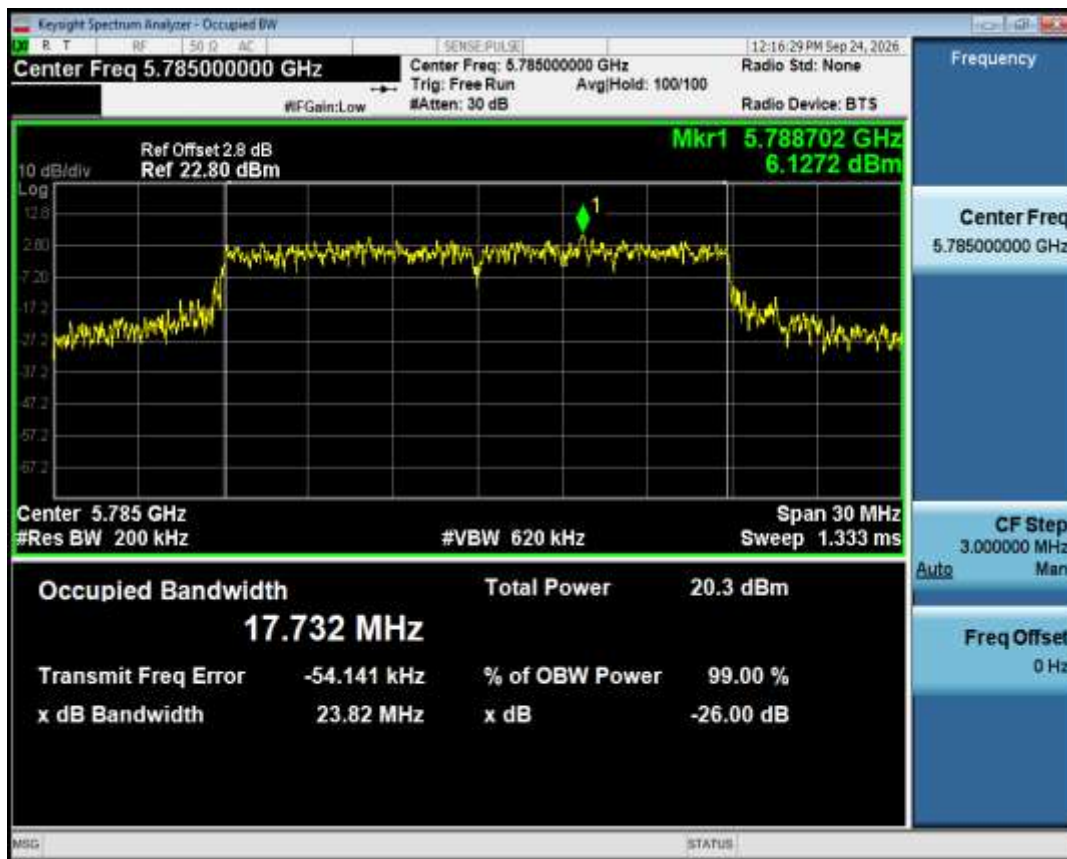
OBW NVNT a 5785MHz Ant1



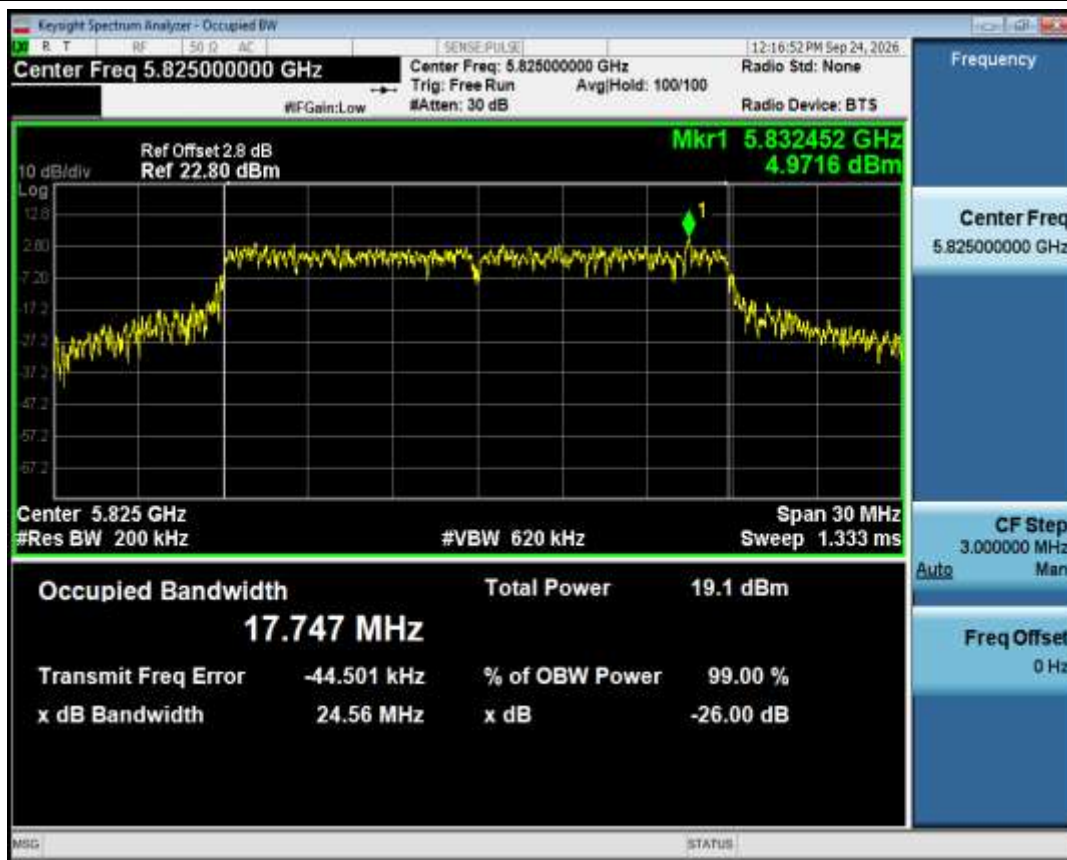
OBW NVNT a 5825MHz Ant1



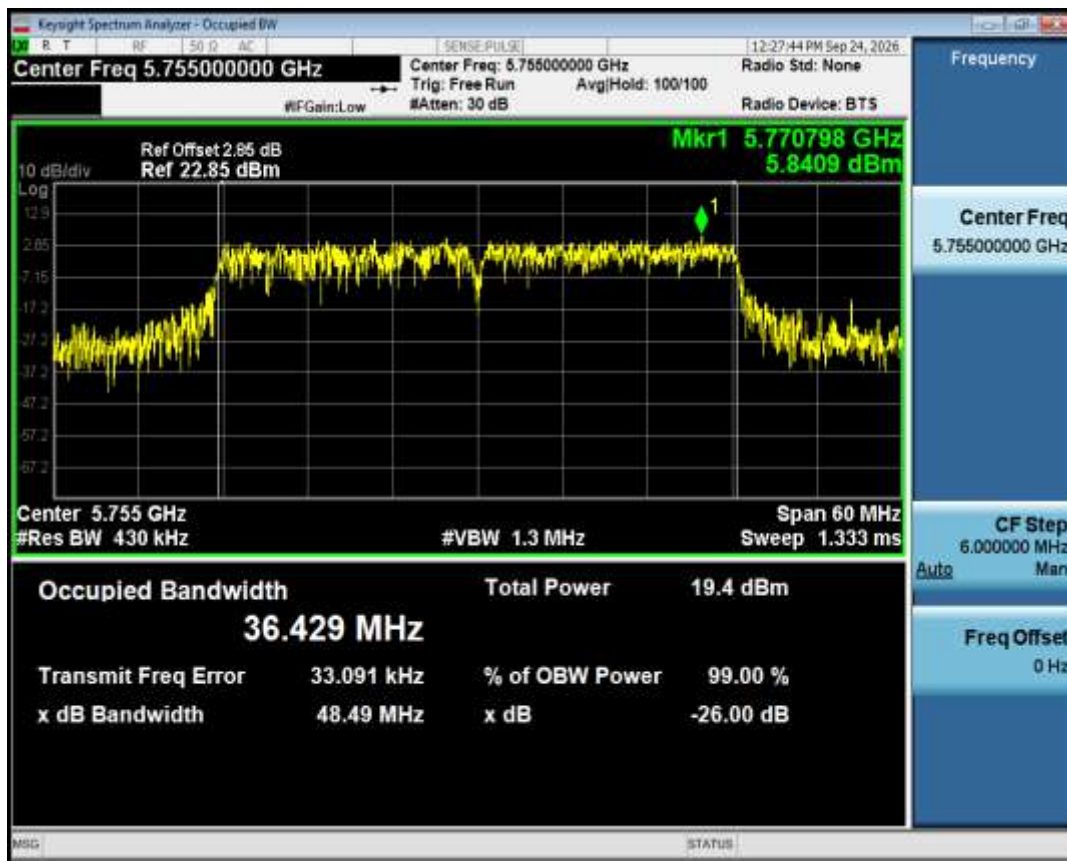
OBW NVNT n20 5745MHz Ant1



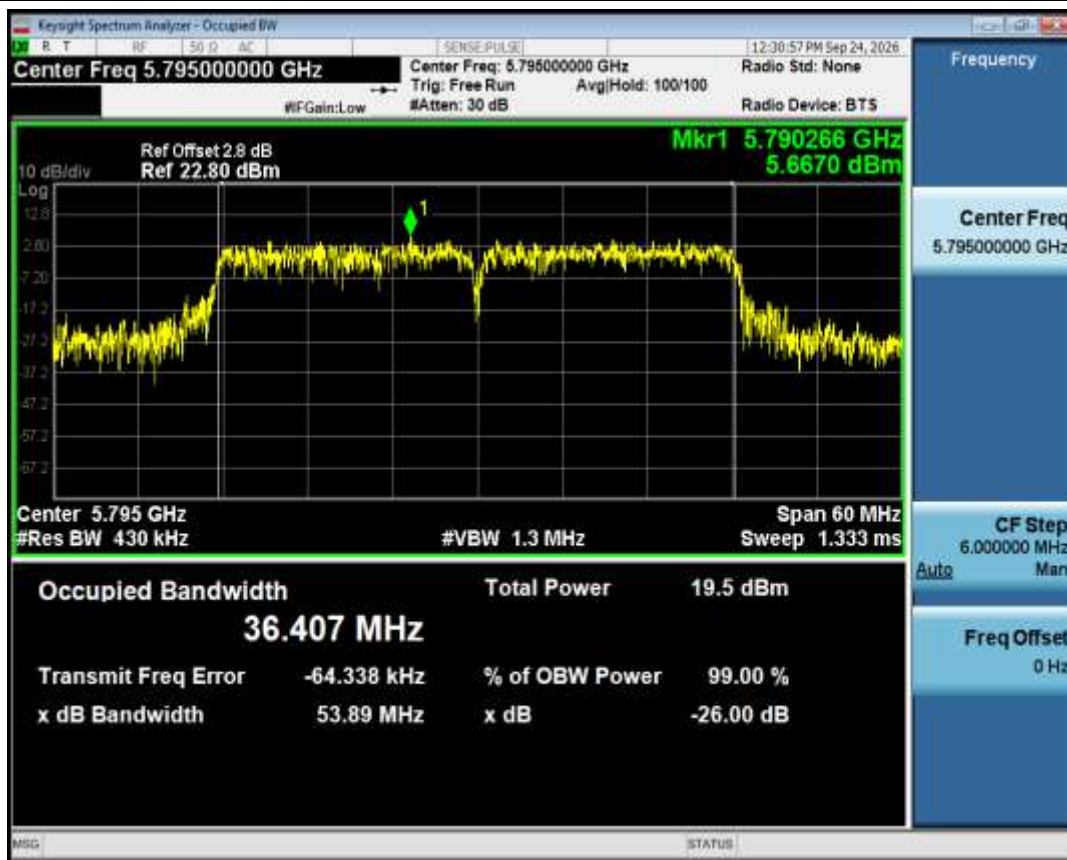
OBW NVNT n20 5785MHz Ant1



OBW NVNT n20 5825MHz Ant1



OBW NVNT n40 5755MHz Ant1



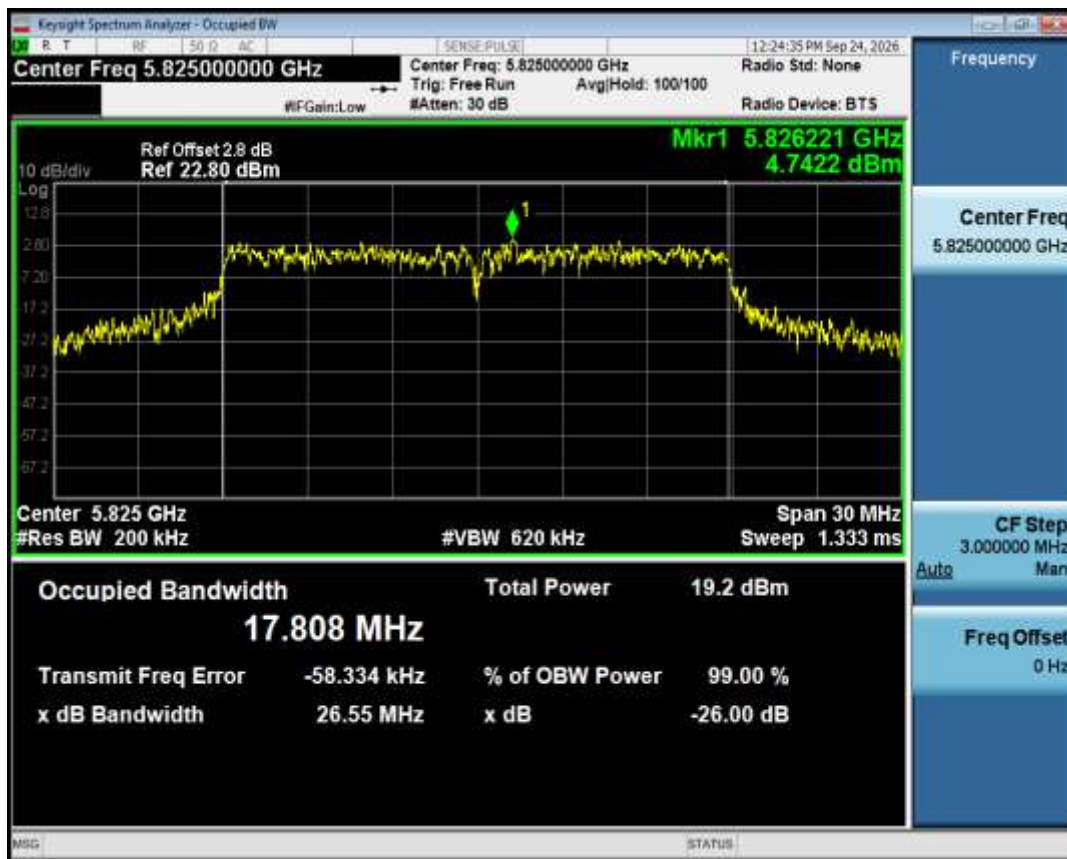
OBW NVNT n40 5795MHz Ant1



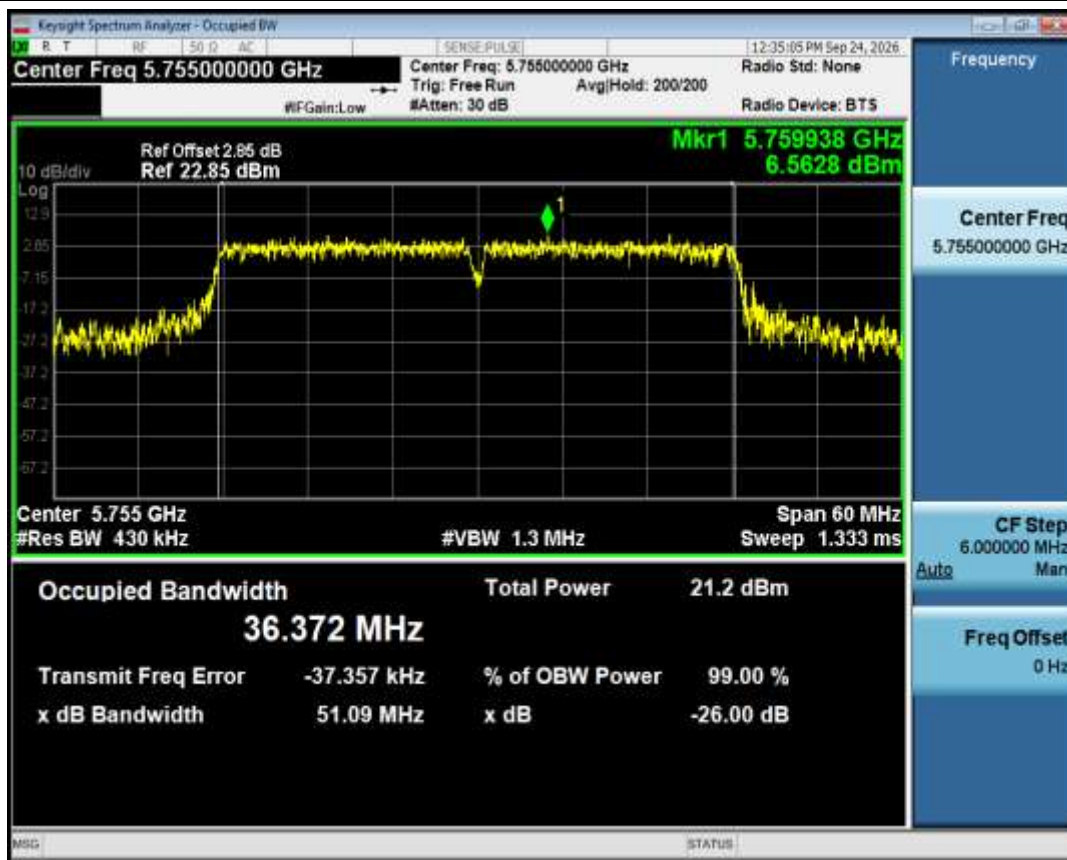
OBW NVNT ac20 5745MHz Ant1



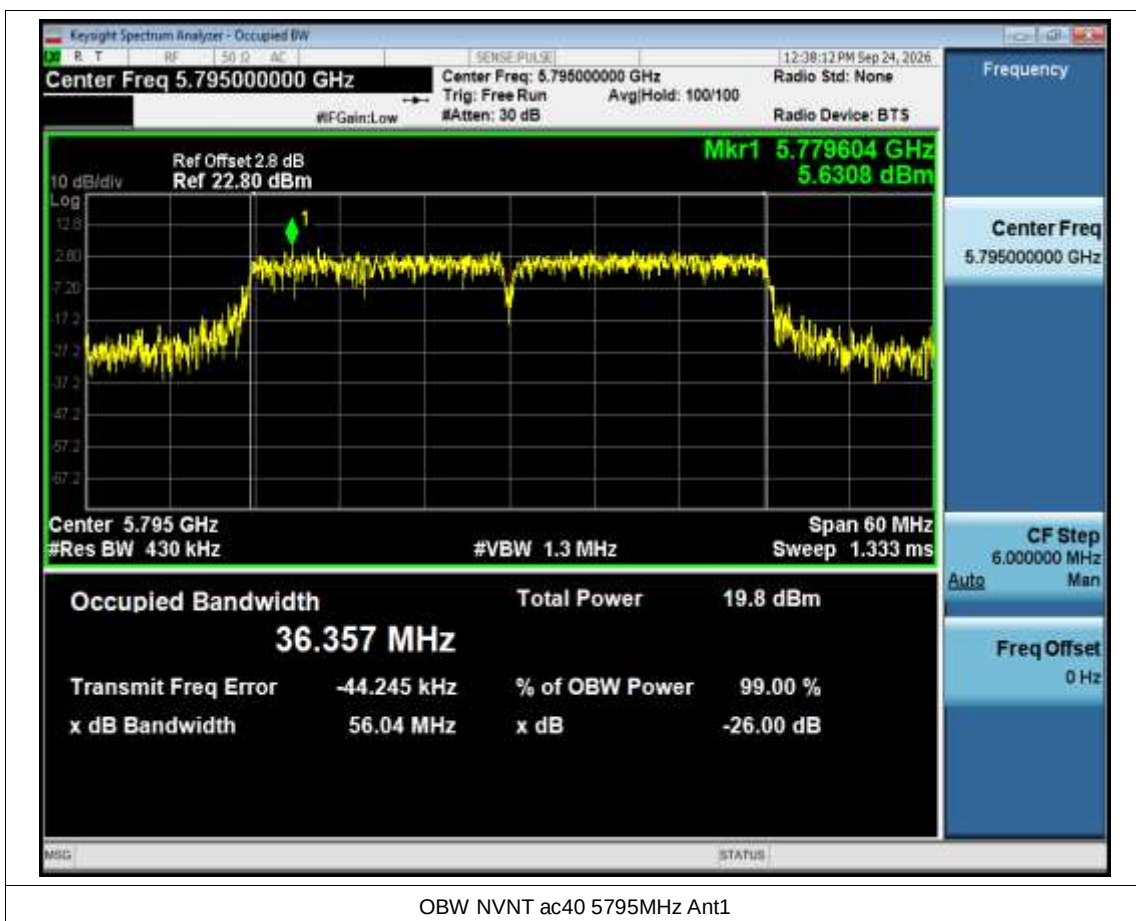
OBW NVNT ac20 5785MHz Ant1



OBW NVNT ac20 5825MHz Ant1



OBW NVNT ac40 5755MHz Ant1



## Maximum Power Spectral Density Level

| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm/510 kHz) | Duty Factor (dB) | Total Conducted PSD (dBm/510 kHz) | Total Conducted PSD (dBm/500 kHz) | Limit Conducted(dBm/500kHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------------|------------------|-----------------------------------|-----------------------------------|-----------------------------|---------|
| NVNT      | a    | 5745            | Ant1    | -5.11                       | 7.82             | 2.71                              | 1.83                              | 30                          | Pass    |
| NVNT      | a    | 5785            | Ant1    | -4                          | 7.61             | 3.62                              | 2.26                              | 30                          | Pass    |
| NVNT      | a    | 5825            | Ant1    | -7.85                       | 7.78             | -0.07                             | 0.96                              | 30                          | Pass    |
| NVNT      | n20  | 5745            | Ant1    | -9.32                       | 12.83            | 3.51                              | 2.20                              | 30                          | Pass    |
| NVNT      | n20  | 5785            | Ant1    | -9.59                       | 13.24            | 3.65                              | 2.27                              | 30                          | Pass    |
| NVNT      | n20  | 5825            | Ant1    | -10.15                      | 12.83            | 2.68                              | 1.82                              | 30                          | Pass    |
| NVNT      | n40  | 5755            | Ant1    | -12.47                      | 13.22            | 0.75                              | 1.17                              | 30                          | Pass    |
| NVNT      | n40  | 5795            | Ant1    | -12.36                      | 13.22            | 0.86                              | 1.20                              | 30                          | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | -8.44                       | 12.47            | 4.03                              | 2.48                              | 30                          | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | -8.42                       | 12.47            | 4.05                              | 2.49                              | 30                          | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | -9.47                       | 12.47            | 3                                 | 1.96                              | 30                          | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | -11.86                      | 13.22            | 1.37                              | 1.34                              | 30                          | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | -12.73                      | 13.22            | 0.49                              | 1.10                              | 30                          | Pass    |

Note:

(1) RBW Correction Factor: The measurement was performed with a resolution bandwidth of 510 kHz. The PSD was normalized to the required 500 kHz bandwidth as follows:

$$\text{PSD}(500\text{kHz}) = \text{PSD}(510\text{kHz}) + 10\log_{10}(500/510) = \text{PSD}(510\text{kHz}) - 0.086 \text{ dB}$$

(2) Total PSD Calculation:

$$\text{Total PSD}(510\text{kHz}) = \text{Conducted PSD}(510\text{kHz}) + \text{Duty Factor (dB)}$$

$$\text{Total PSD}(500\text{kHz}) = \text{Total PSD}(510\text{kHz}) + 10\log_{10}(500/510)$$



PSD NVNT a 5745MHz Ant1



PSD NVNT a 5785MHz Ant1



PSD NVNT a 5825MHz Ant1



PSD NVNT n20 5745MHz Ant1



PSD NVNT n20 5785MHz Ant1



PSD NVNT n20 5825MHz Ant1



PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1



PSD NVNT ac20 5745MHz Ant1



PSD NVNT ac20 5785MHz Ant1



PSD NVNT ac20 5825MHz Ant1



PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1

## Band Edge

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBm/MHz) | Limit (dBm/MHz) | Verdict |
|-----------|------|-----------------|---------|---------------------|-----------------|---------|
| NVNT      | a    | 5745            | Ant1    | -34.71              | See test Graph  | Pass    |
| NVNT      | a    | 5825            | Ant1    | -43.5               | See test Graph  | Pass    |
| NVNT      | n20  | 5745            | Ant1    | -43.61              | See test Graph  | Pass    |
| NVNT      | n20  | 5825            | Ant1    | -41.51              | See test Graph  | Pass    |
| NVNT      | n40  | 5755            | Ant1    | -36.13              | See test Graph  | Pass    |
| NVNT      | n40  | 5795            | Ant1    | -41.6               | See test Graph  | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | -42.95              | See test Graph  | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | -43.91              | See test Graph  | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | -37.88              | See test Graph  | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | -43.26              | See test Graph  | Pass    |



Band Edge NVNT a 5745MHz Low Ant1



Band Edge NVNT a 5825MHz High Ant1



Band Edge NVNT n20 5745MHz Low Ant1



Band Edge NVNT n20 5825MHz High Ant1



Band Edge NVNT n40 5755MHz Low Ant1



Band Edge NVNT n40 5795MHz High Ant1



Band Edge NVNT ac20 5745MHz Low Ant1



Band Edge NVNT ac20 5825MHz High Ant1



Band Edge NVNT ac40 5755MHz Low Ant1



Band Edge NVNT ac40 5795MHz High Ant1

## Conducted RF Spurious Emission

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBm/MHz) | Limit (dBm/MHz) | Verdict |
|-----------|------|-----------------|---------|---------------------|-----------------|---------|
| NVNT      | a    | 5745            | Ant1    | -33.39              | -27             | Pass    |
| NVNT      | a    | 5785            | Ant1    | -28.99              | -27             | Pass    |
| NVNT      | a    | 5825            | Ant1    | -35.36              | -27             | Pass    |
| NVNT      | n20  | 5745            | Ant1    | -33.08              | -27             | Pass    |
| NVNT      | n20  | 5785            | Ant1    | -31.66              | -27             | Pass    |
| NVNT      | n20  | 5825            | Ant1    | -36.14              | -27             | Pass    |
| NVNT      | n40  | 5755            | Ant1    | -35.64              | -27             | Pass    |
| NVNT      | n40  | 5795            | Ant1    | -35.87              | -27             | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | -35.28              | -27             | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | -29.58              | -27             | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | -32.87              | -27             | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | -36.26              | -27             | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | -35.78              | -27             | Pass    |

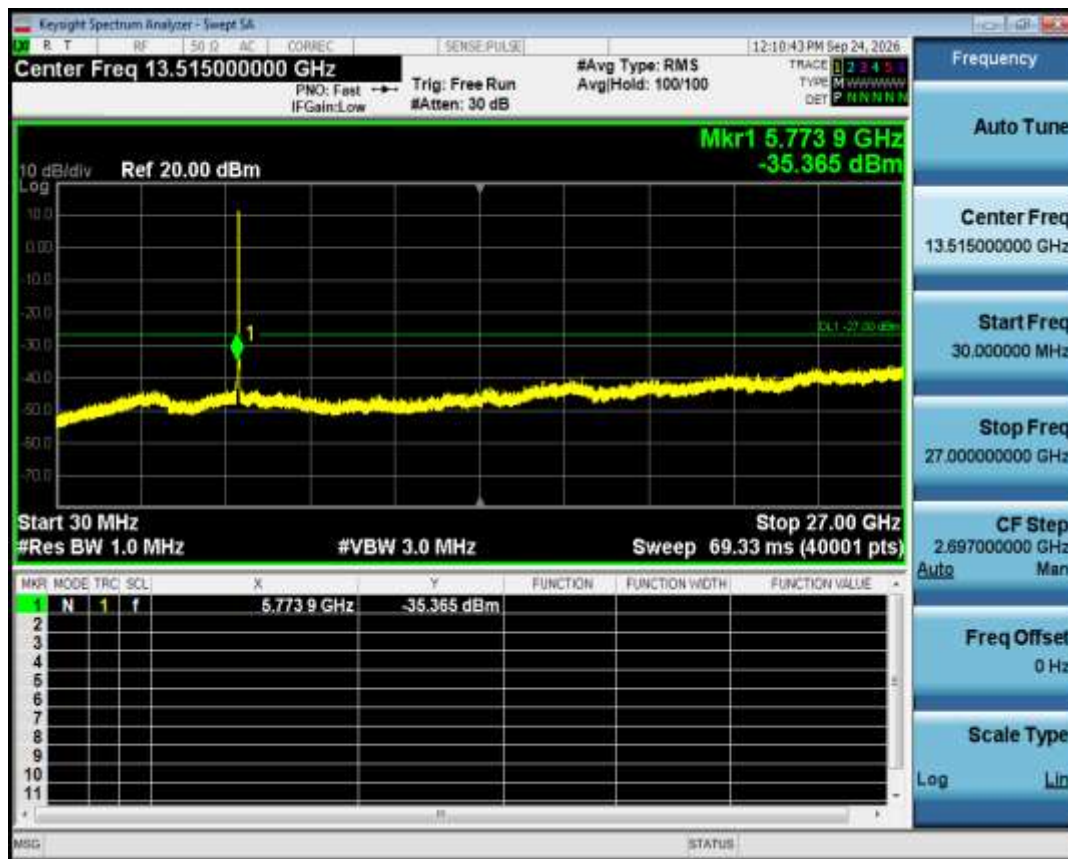
Note: During testing, the spectrum analyzer's Input Correction function was enabled to compensate for the test cable loss between the EUT and the measurement equipment.



Tx. Spurious NVNT a 5745MHz Ant1 Emission



Tx. Spurious NVNT a 5785MHz Ant1 Emission



Tx. Spurious NVNT a 5825MHz Ant1 Emission



Tx. Spurious NVNT n20 5745MHz Ant1 Emission



Tx. Spurious NVNT n20 5785MHz Ant1 Emission



Tx. Spurious NVNT n20 5825MHz Ant1 Emission



Tx. Spurious NVNT n40 5755MHz Ant1 Emission



Tx. Spurious NVNT n40 5795MHz Ant1 Emission



Tx. Spurious NVNT ac20 5745MHz Ant1 Emission



Tx. Spurious NVNT ac20 5785MHz Ant1 Emission



Tx. Spurious NVNT ac20 5825MHz Ant1 Emission



Tx. Spurious NVNT ac40 5755MHz Ant1 Emission

