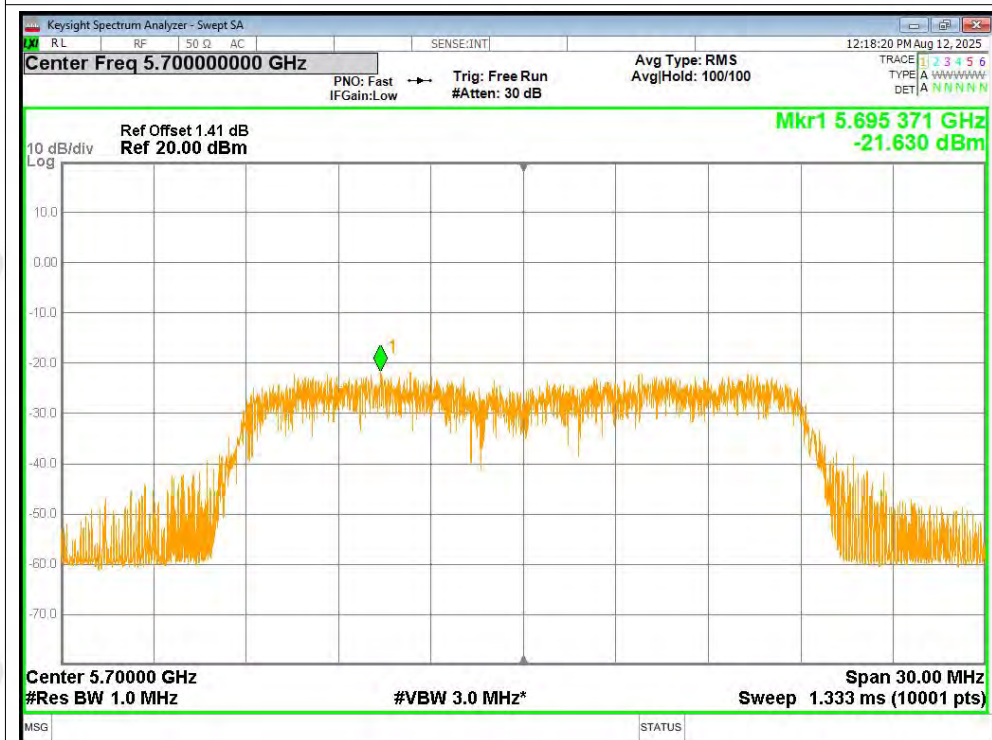
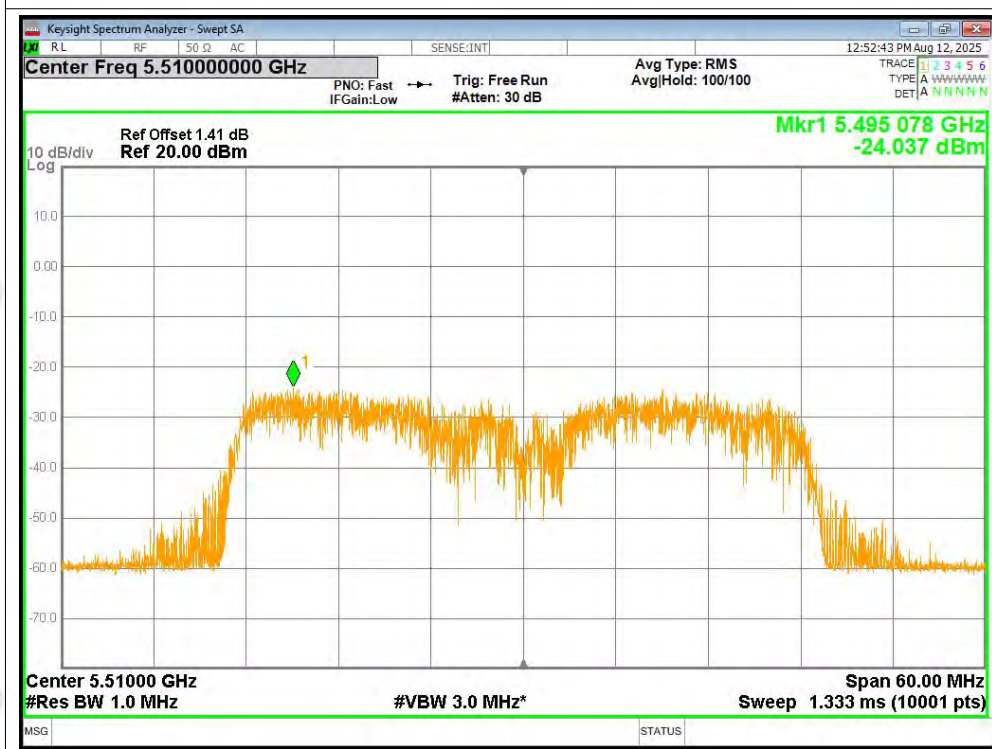
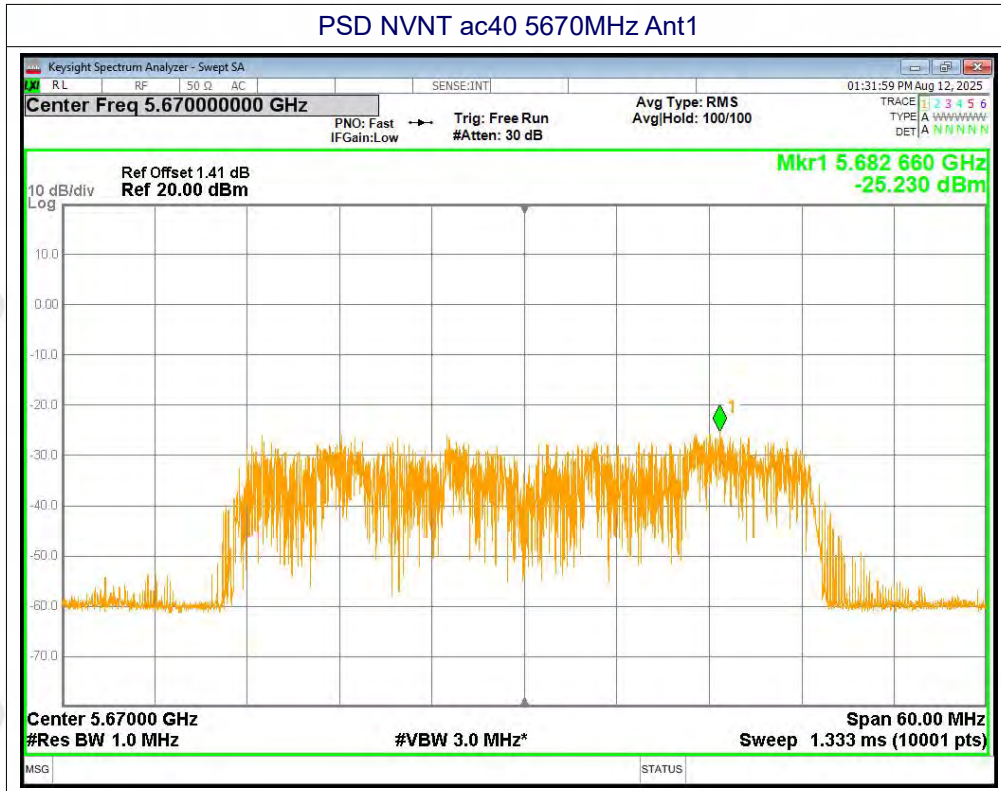


PSD NVNT ac20 5700MHz Ant1



PSD NVNT ac40 5510MHz Ant1





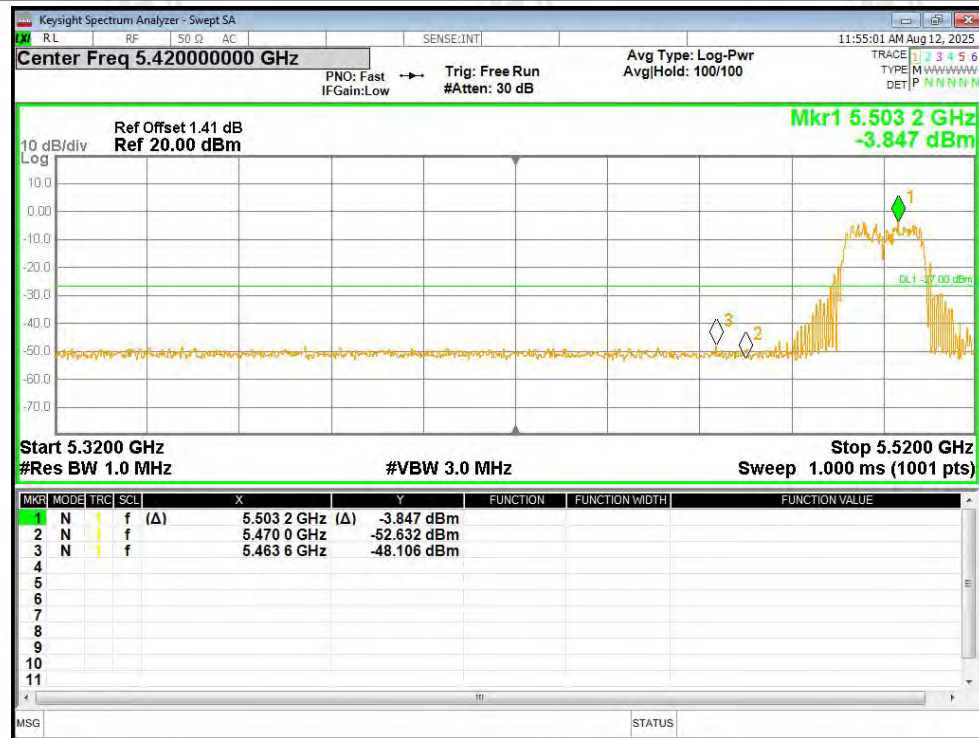


## Band Edge

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | ANT Gain (dBi) | EIRP Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|----------------|------------------|-------------|---------|
| NVNT      | a    | 5500            | Ant1    | -48.1           | 1.56           | -46.54           | -27         | Pass    |
| NVNT      | a    | 5700            | Ant1    | -39.73          | 1.56           | -38.17           | -27         | Pass    |
| NVNT      | n20  | 5500            | Ant1    | -48.17          | 1.56           | -46.61           | -27         | Pass    |
| NVNT      | n20  | 5700            | Ant1    | -42.51          | 1.56           | -40.95           | -27         | Pass    |
| NVNT      | n40  | 5510            | Ant1    | -48.3           | 1.56           | -46.74           | -27         | Pass    |
| NVNT      | n40  | 5670            | Ant1    | -44.42          | 1.56           | -42.86           | -27         | Pass    |
| NVNT      | ac20 | 5500            | Ant1    | -47.58          | 1.56           | -46.02           | -27         | Pass    |
| NVNT      | ac20 | 5700            | Ant1    | -47.47          | 1.56           | -45.91           | -27         | Pass    |
| NVNT      | ac40 | 5510            | Ant1    | -48.07          | 1.56           | -46.51           | -27         | Pass    |
| NVNT      | ac40 | 5670            | Ant1    | -46.19          | 1.56           | -44.63           | -27         | Pass    |

### Test Graphs

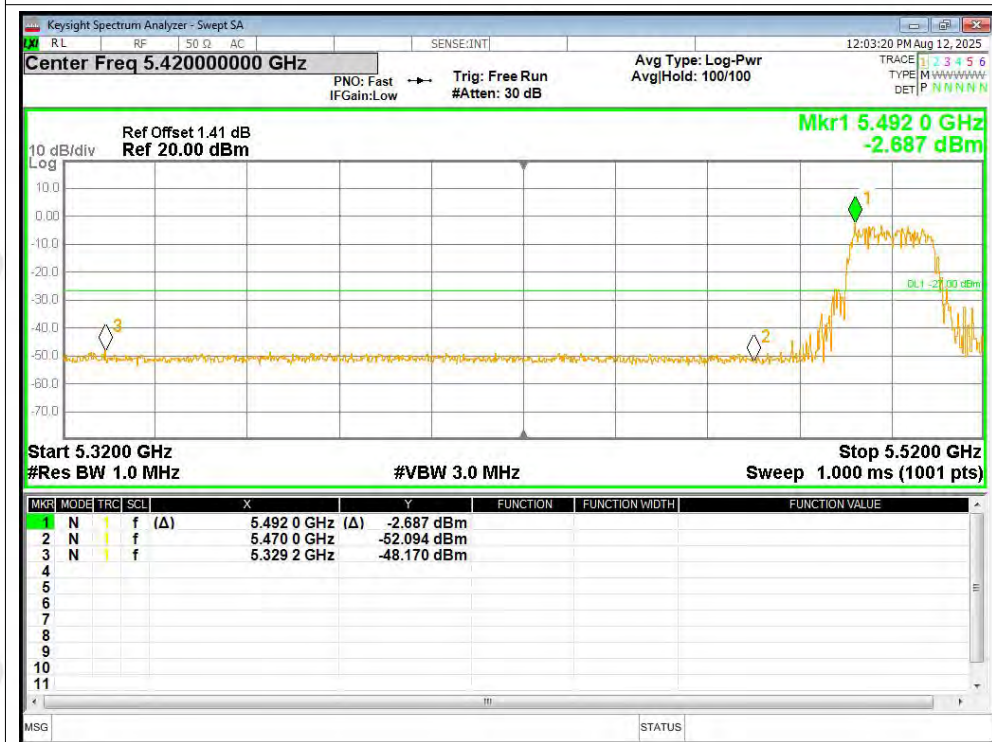
#### Band Edge NVNT a 5500MHz Low Ant1



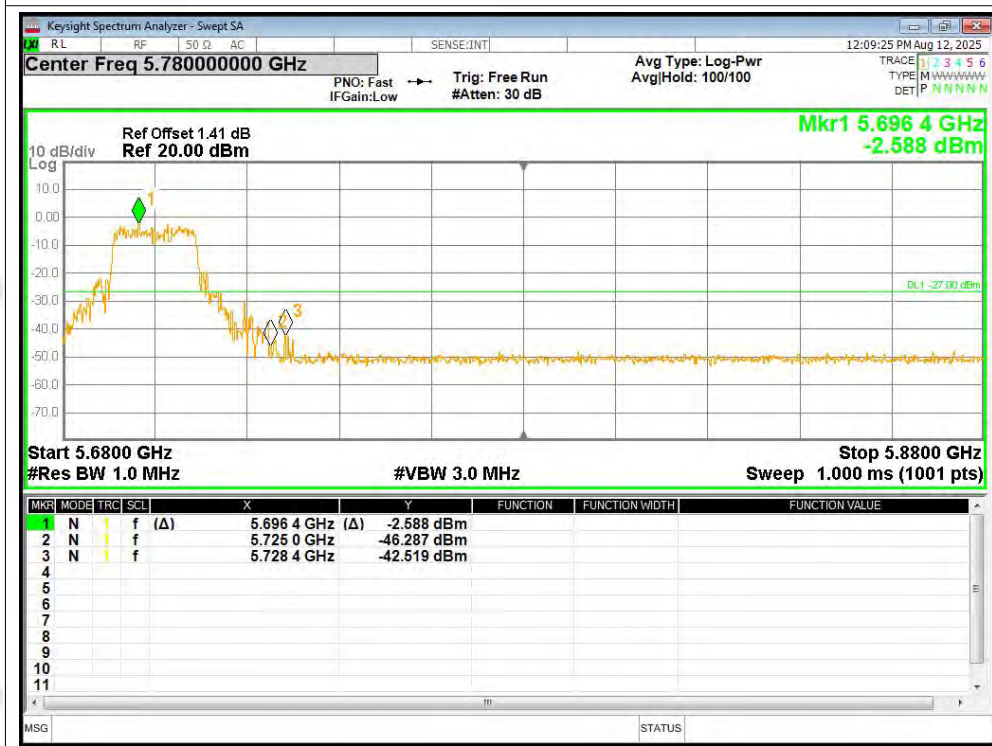
#### Band Edge NVNT a 5700MHz High Ant1



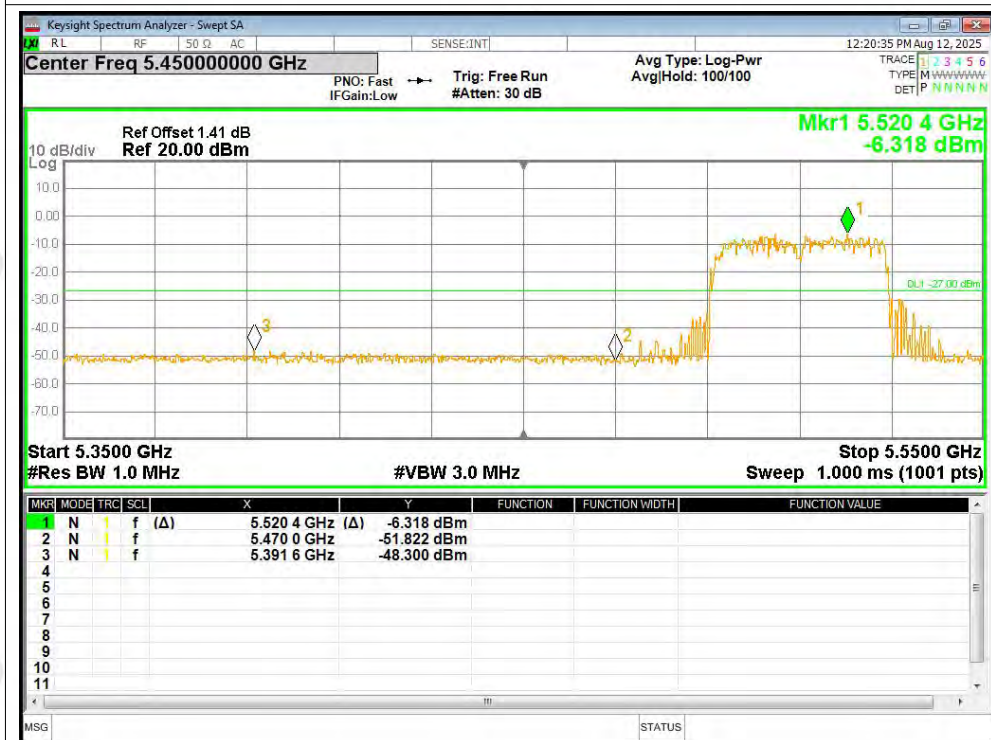
### Band Edge NVNT n20 5500MHz Low Ant1



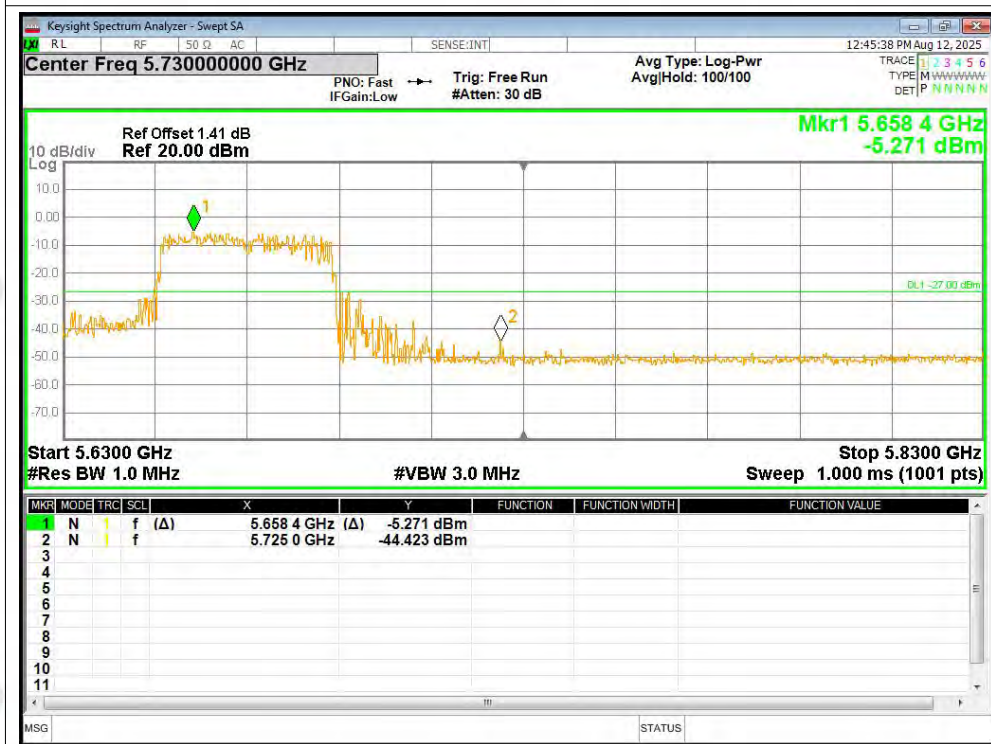
### Band Edge NVNT n20 5700MHz High Ant1



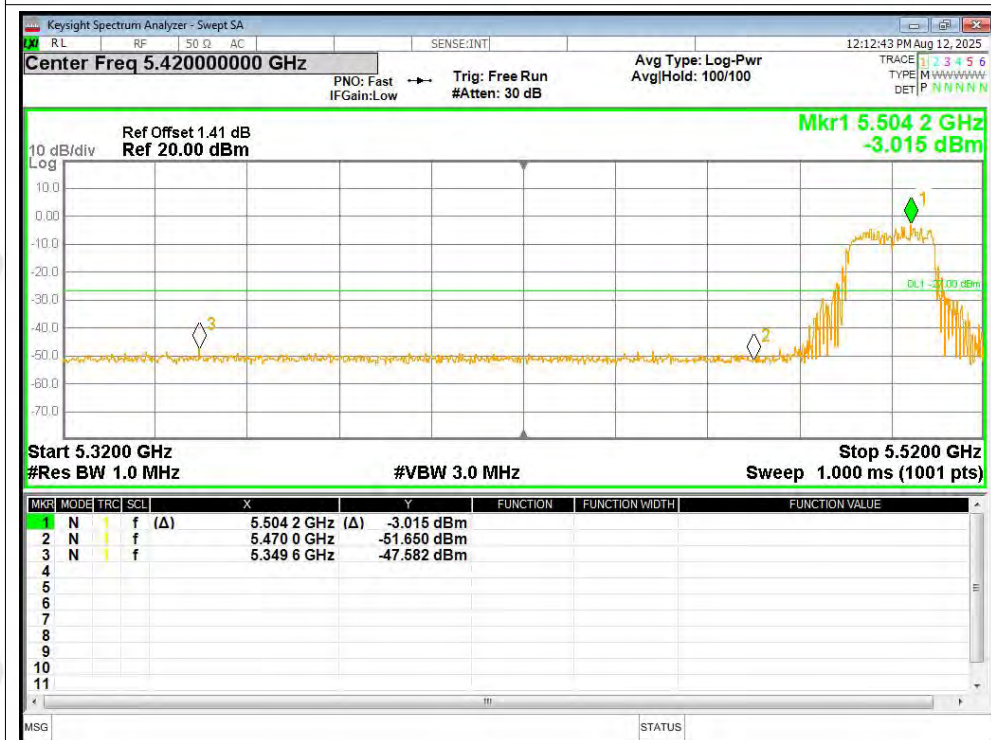
### Band Edge NVNT n40 5510MHz Low Ant1



### Band Edge NVNT n40 5670MHz High Ant1



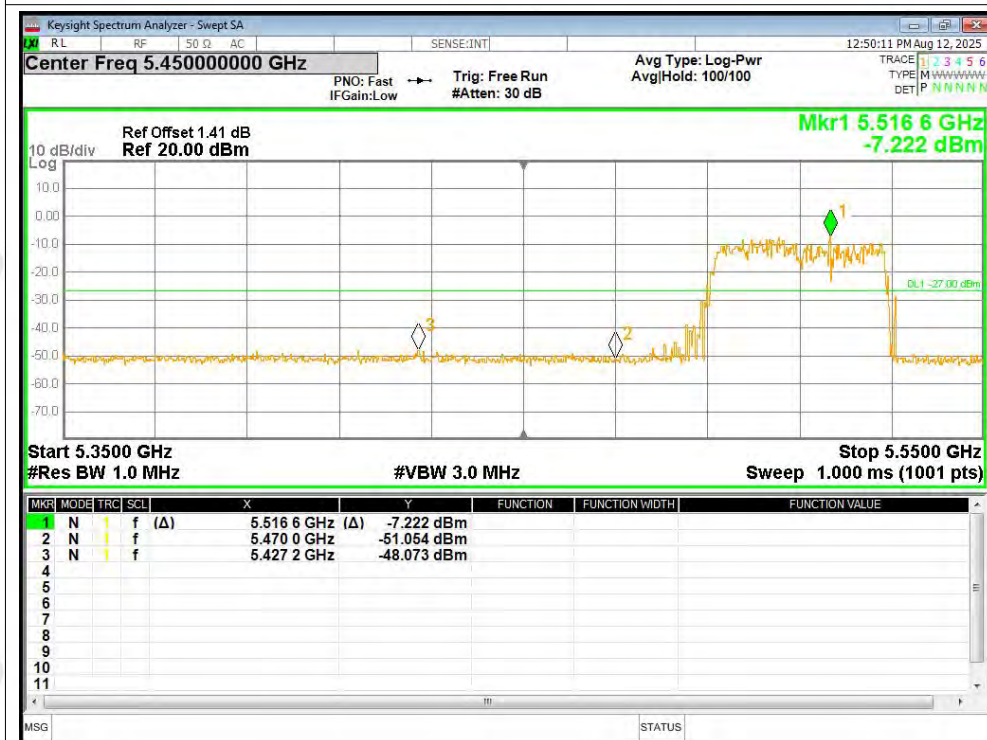
### Band Edge NVNT ac20 5500MHz Low Ant1



### Band Edge NVNT ac20 5700MHz High Ant1



### Band Edge NVNT ac40 5510MHz Low Ant1



### Band Edge NVNT ac40 5670MHz High Ant1





## Frequency Stability

| Mode | Frequency (MHz) | Antenna | Measured Frequency (MHz) | Frequency Error (Hz) | Deviation (ppm) | Limit (ppm)         | Verdict |
|------|-----------------|---------|--------------------------|----------------------|-----------------|---------------------|---------|
| a    | 5500            | Ant1    | 5500                     | 0                    | 0               | Within 5500-5700MHz | Pass    |
| a    | 5600            | Ant1    | 5600.02                  | 20000                | 3.57            |                     | Pass    |
| a    | 5700            | Ant1    | 5700                     | 0                    | 0               |                     | Pass    |
| n20  | 5500            | Ant1    | 5500.04                  | 40000                | 7.27            |                     | Pass    |
| n20  | 5600            | Ant1    | 5600                     | 0                    | 0               |                     | Pass    |
| n20  | 5700            | Ant1    | 5700.02                  | 20000                | 3.51            |                     | Pass    |
| n40  | 5510            | Ant1    | 5510                     | 0                    | 0               | Within 5510-5670MHz | Pass    |
| n40  | 5670            | Ant1    | 5669.96                  | -40000               | -7.05           |                     | Pass    |
| ac20 | 5500            | Ant1    | 5499.98                  | -20000               | -3.64           | Within 5500-5700MHz | Pass    |
| ac20 | 5600            | Ant1    | 5600                     | 0                    | 0               |                     | Pass    |
| ac20 | 5700            | Ant1    | 5700                     | 0                    | 0               |                     | Pass    |
| ac40 | 5510            | Ant1    | 5509.96                  | -40000               | -7.26           | Within 5510-5670MHz | Pass    |
| ac40 | 5670            | Ant1    | 5670                     | 0                    | 0               |                     | Pass    |

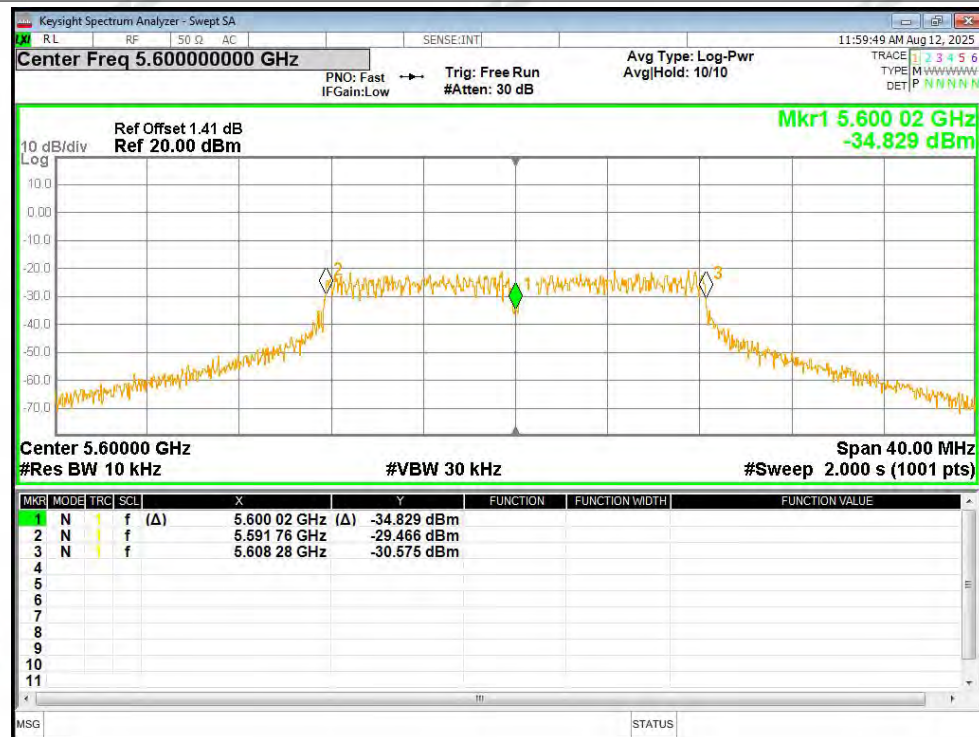
Note: Test temperature: -20° to + 70°. At room temperature, the test results are the worst, only reflecting the test results graphs at room temperature.

### Test Graphs

#### Freq. Stability NVNT a 5500MHz Ant1



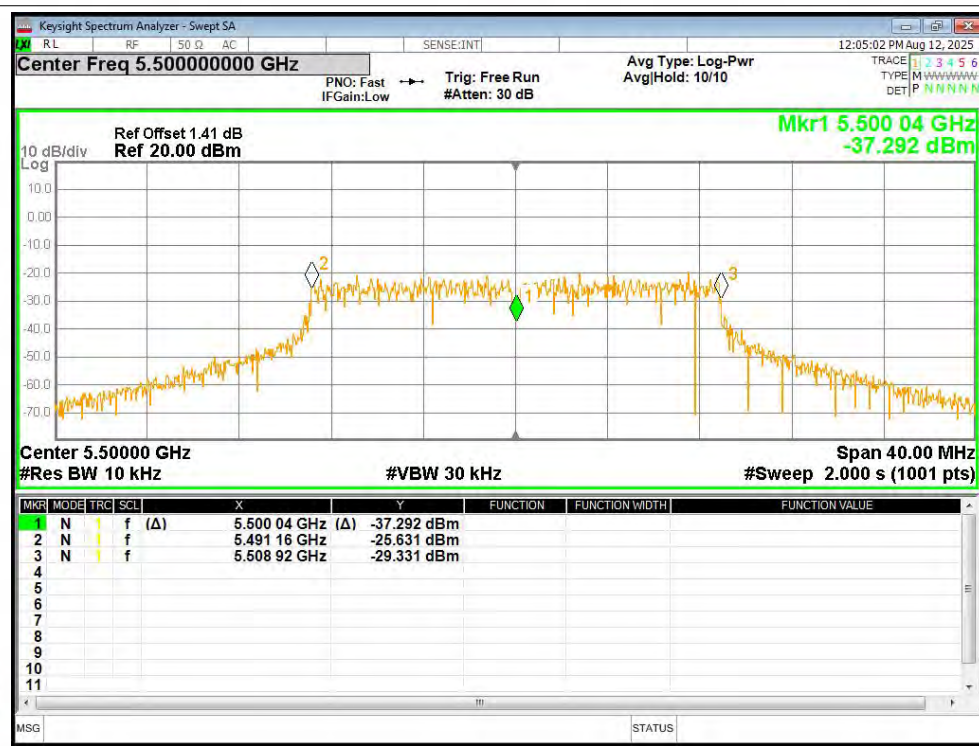
#### Freq. Stability NVNT a 5600MHz Ant1



### Freq. Stability NVNT a 5700MHz Ant1



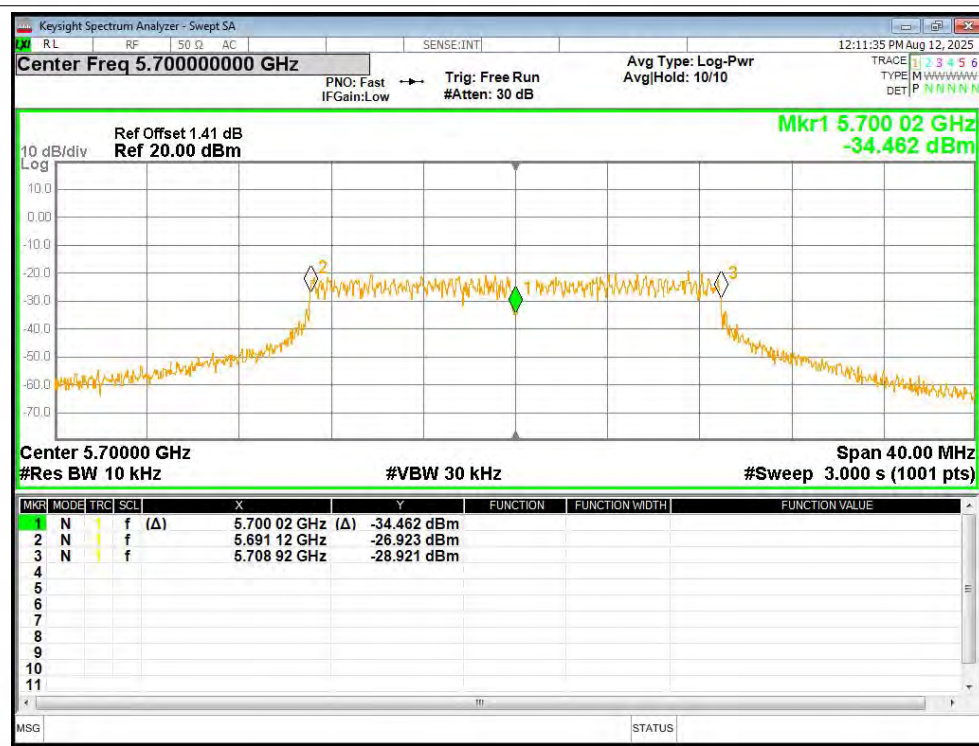
### Freq. Stability NVNT n20 5500MHz Ant1



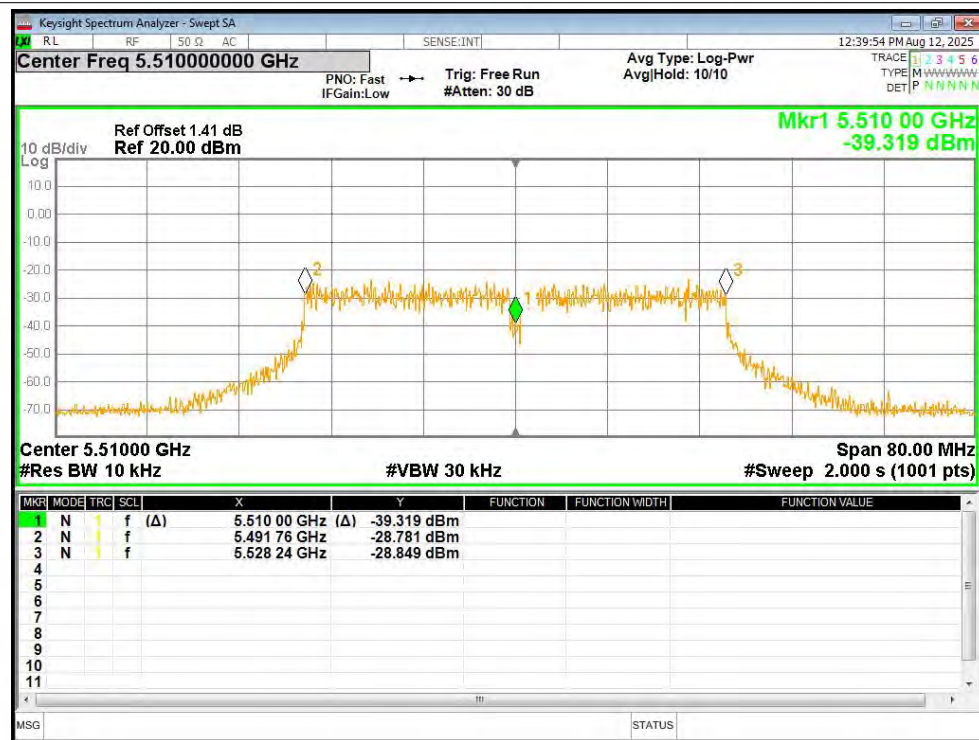
### Freq. Stability NVNT n20 5600MHz Ant1



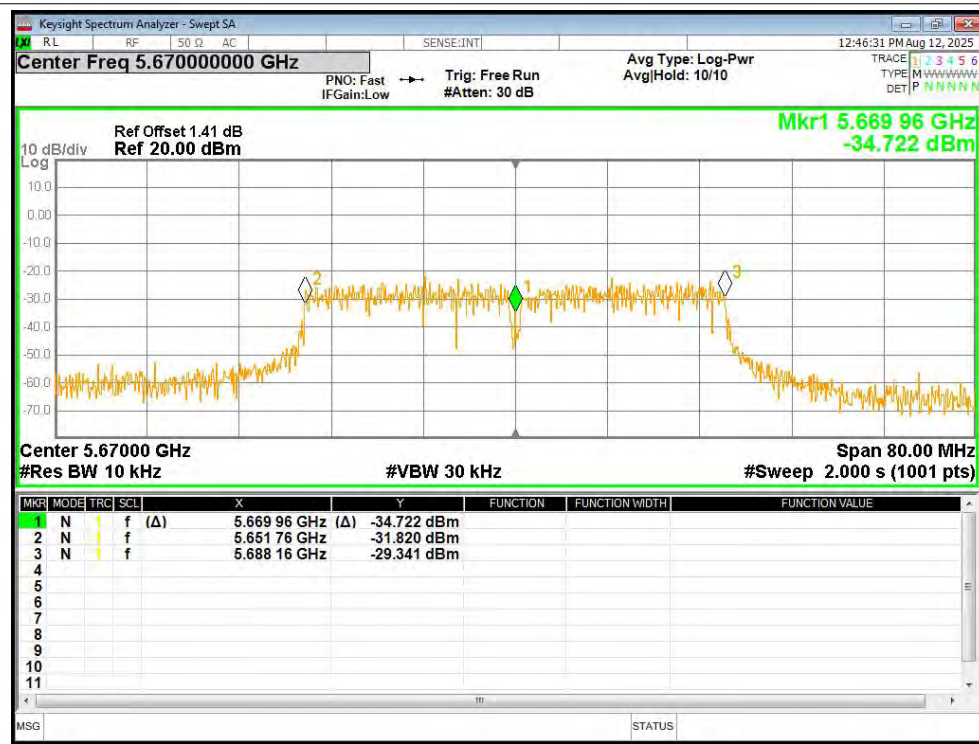
### Freq. Stability NVNT n20 5700MHz Ant1



Freq. Stability NVNT n40 5510MHz Ant1



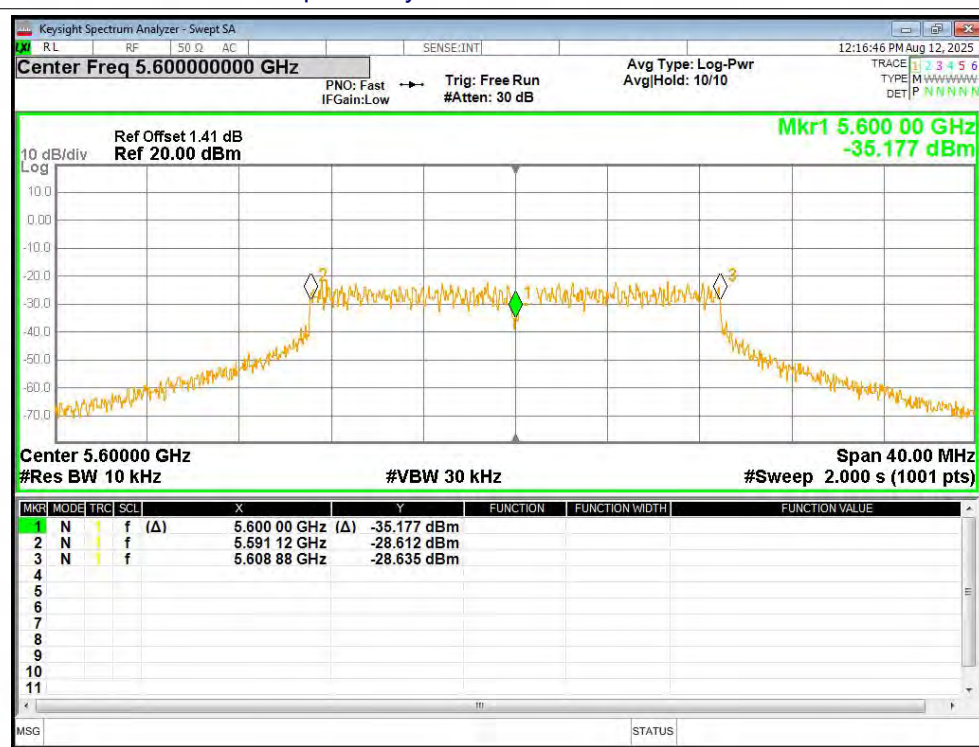
Freq. Stability NVNT n40 5670MHz Ant1



Freq. Stability NVNT ac20 5500MHz Ant1



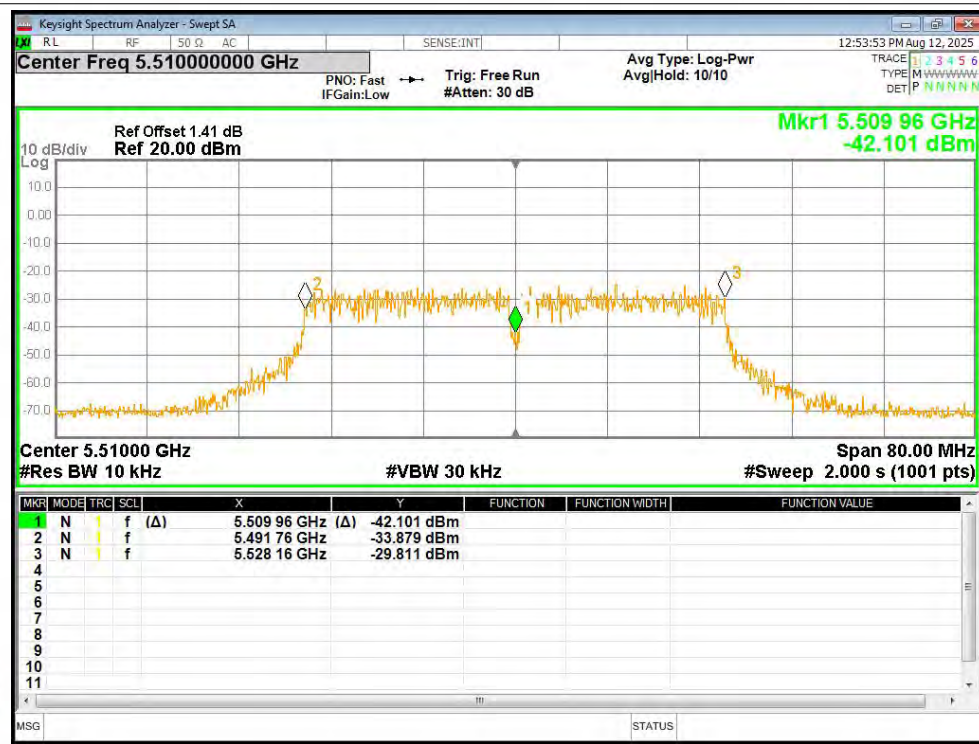
Freq. Stability NVNT ac20 5600MHz Ant1

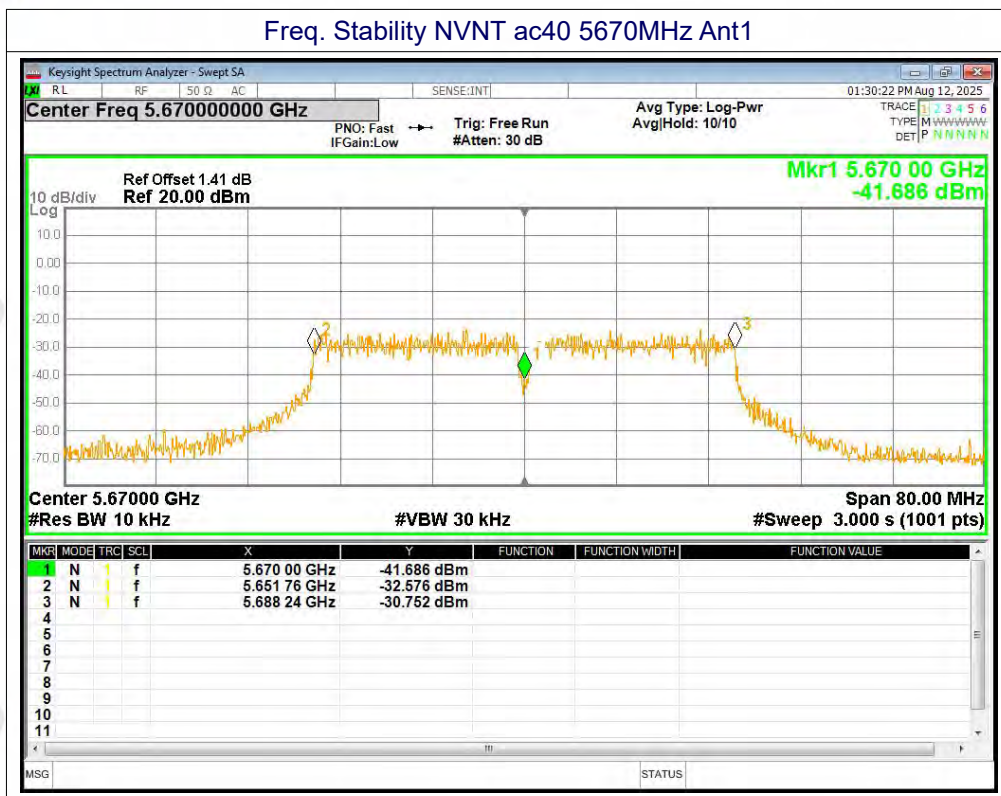


Freq. Stability NVNT ac20 5700MHz Ant1



Freq. Stability NVNT ac40 5510MHz Ant1





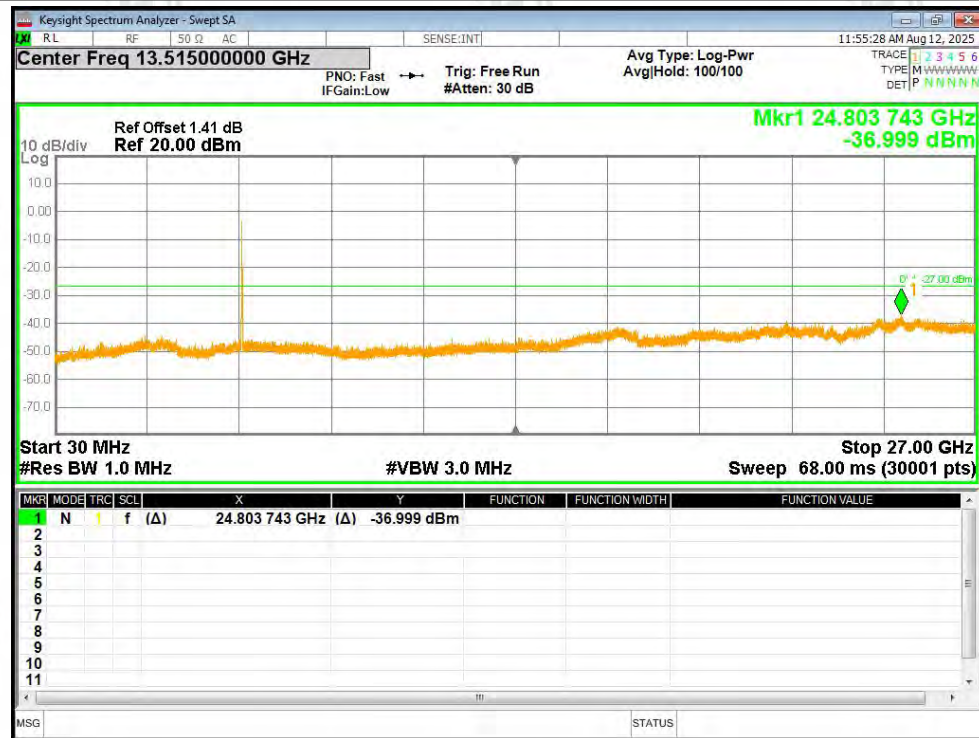


## Conducted RF Spurious Emission

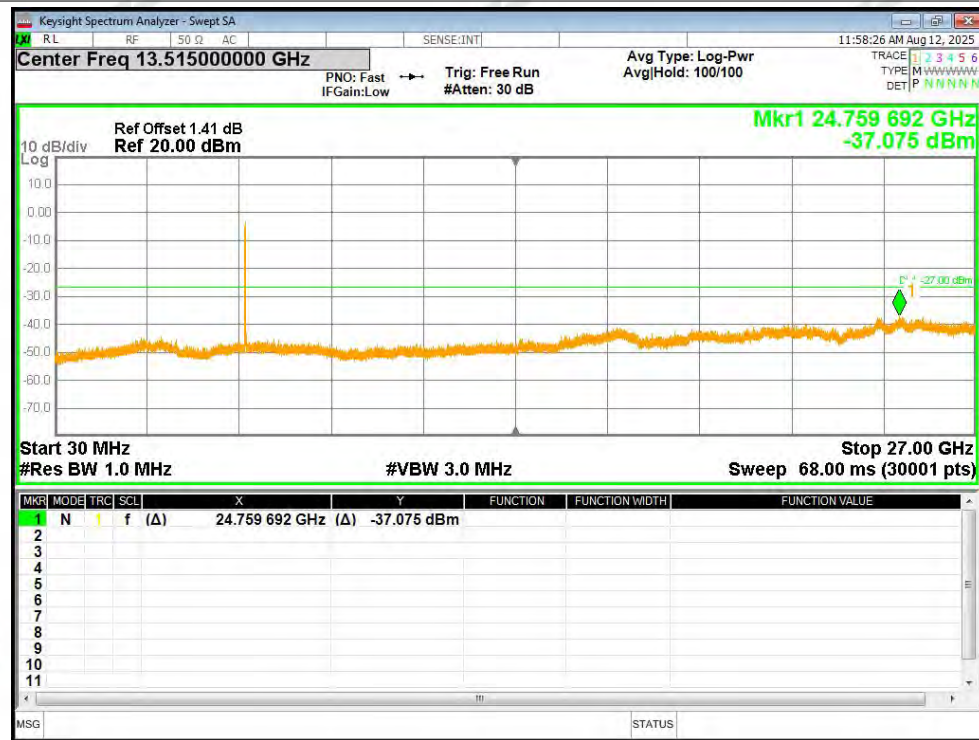
| Condition | Mode | Frequency<br>(MHz) | Antenna | Max Value<br>(dBc) | ANT<br>Gain<br>(dBi) | EIRP<br>Value<br>(dBc) | Limit<br>(dBc) | Verdict |
|-----------|------|--------------------|---------|--------------------|----------------------|------------------------|----------------|---------|
| NVNT      | a    | 5500               | Ant1    | -36.99             | 1.56                 | -35.43                 | -27            | Pass    |
| NVNT      | a    | 5600               | Ant1    | -37.07             | 1.56                 | -35.51                 | -27            | Pass    |
| NVNT      | a    | 5700               | Ant1    | -37.34             | 1.56                 | -35.78                 | -27            | Pass    |
| NVNT      | n20  | 5500               | Ant1    | -36.72             | 1.56                 | -35.16                 | -27            | Pass    |
| NVNT      | n20  | 5600               | Ant1    | -37.14             | 1.56                 | -35.58                 | -27            | Pass    |
| NVNT      | n20  | 5700               | Ant1    | -37.07             | 1.56                 | -35.51                 | -27            | Pass    |
| NVNT      | n40  | 5510               | Ant1    | -37.29             | 1.56                 | -35.73                 | -27            | Pass    |
| NVNT      | n40  | 5670               | Ant1    | -37.72             | 1.56                 | -36.16                 | -27            | Pass    |
| NVNT      | ac20 | 5500               | Ant1    | -36.79             | 1.56                 | -35.23                 | -27            | Pass    |
| NVNT      | ac20 | 5600               | Ant1    | -37.42             | 1.56                 | -35.86                 | -27            | Pass    |
| NVNT      | ac20 | 5700               | Ant1    | -36.87             | 1.56                 | -35.31                 | -27            | Pass    |
| NVNT      | ac40 | 5510               | Ant1    | -37.11             | 1.56                 | -35.55                 | -27            | Pass    |
| NVNT      | ac40 | 5670               | Ant1    | -37.31             | 1.56                 | -35.75                 | -27            | Pass    |

### Test Graphs

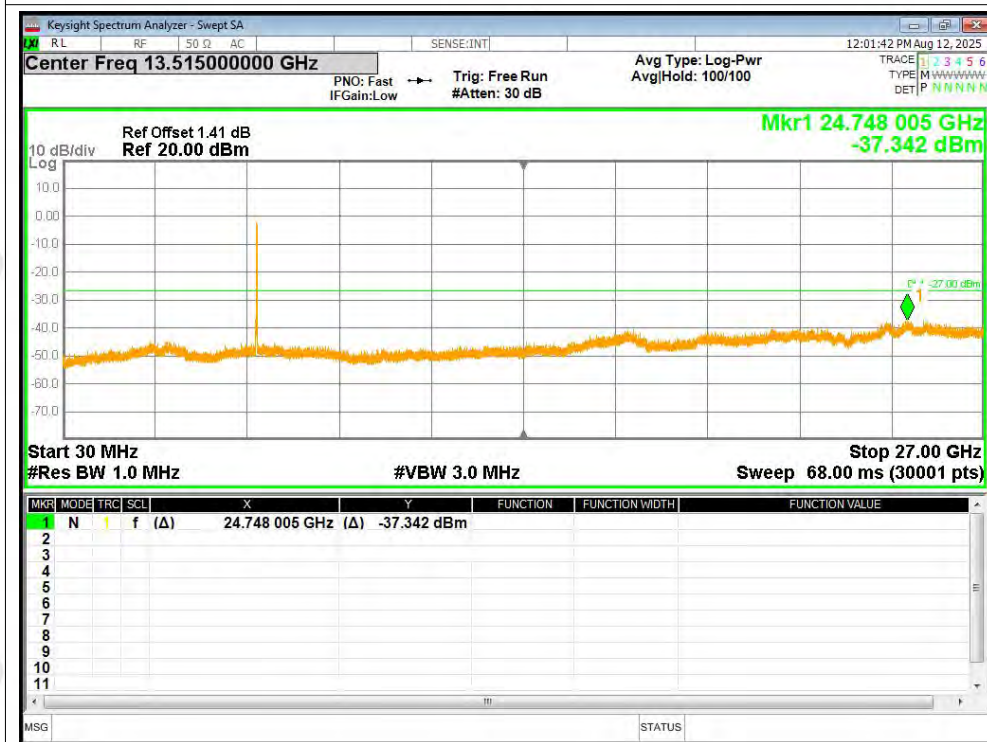
#### Tx. Spurious NVNT a 5500MHz Ant1 Emission



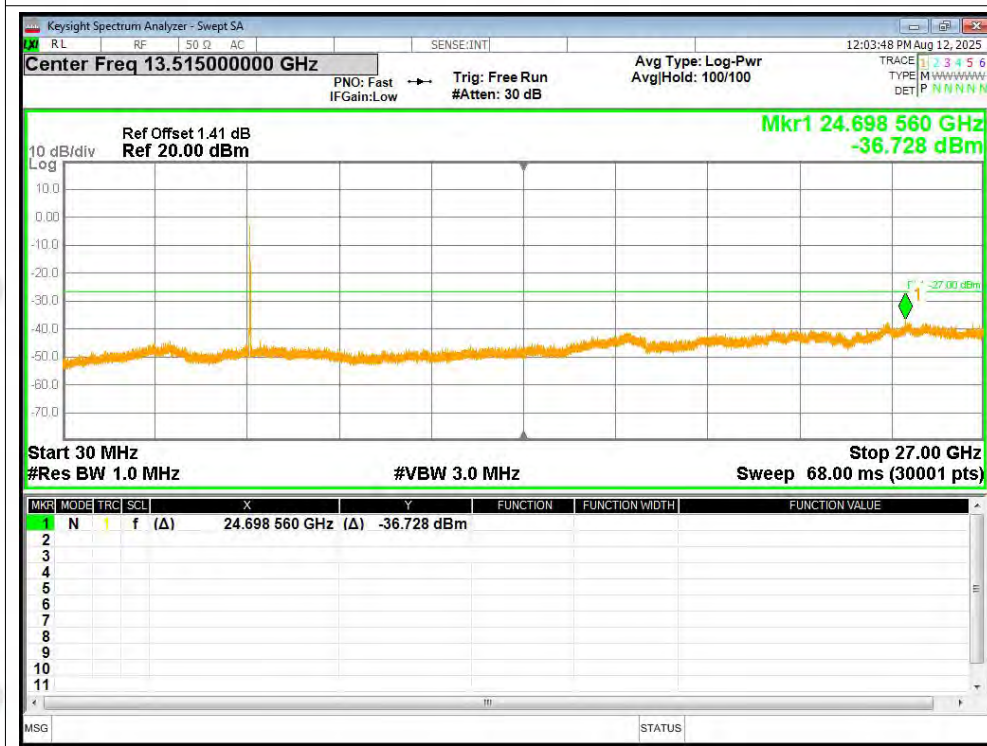
#### Tx. Spurious NVNT a 5600MHz Ant1 Emission



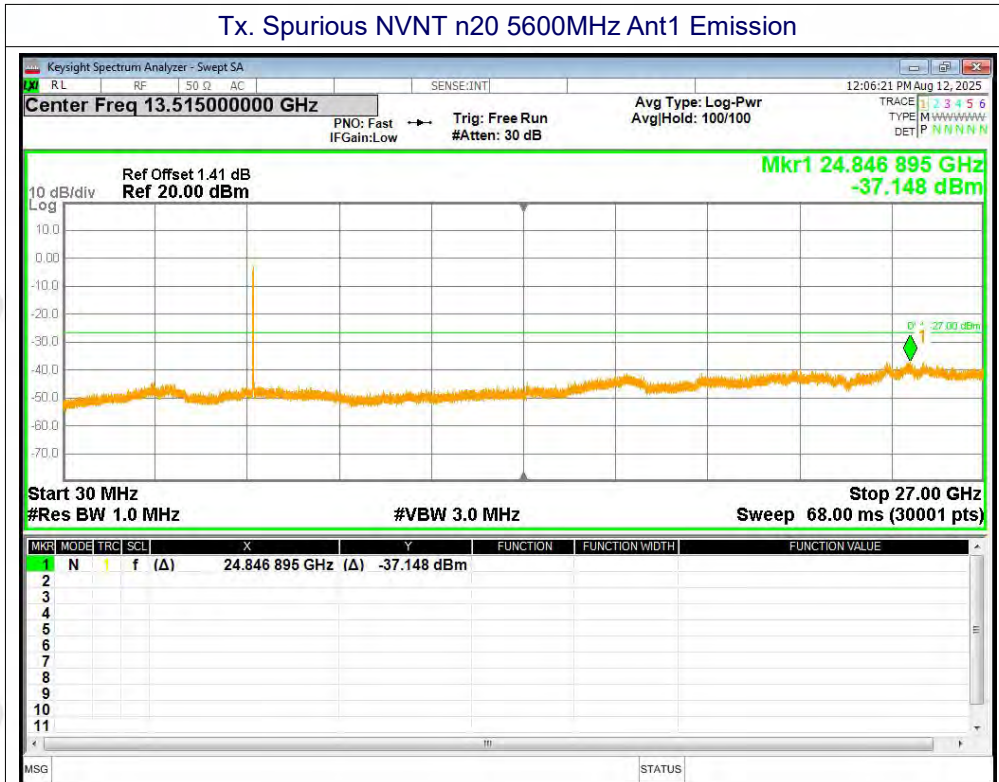
**Tx. Spurious NVNT a 5700MHz Ant1 Emission**



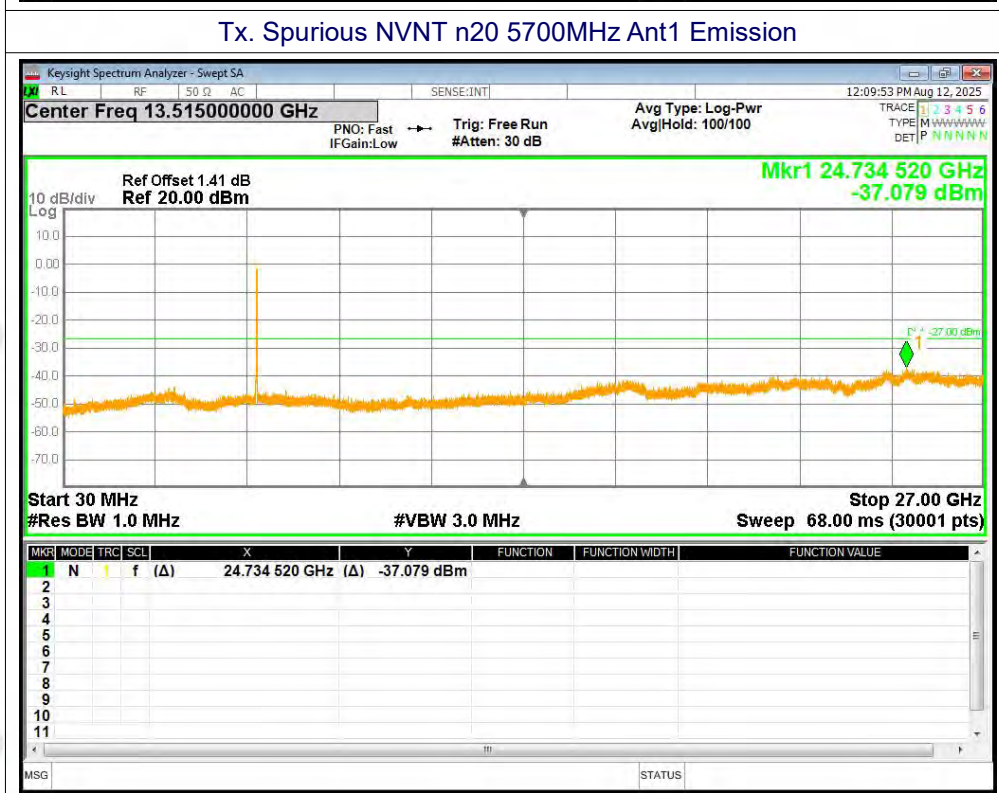
**Tx. Spurious NVNT n20 5500MHz Ant1 Emission**



Tx. Spurious NVNT n20 5600MHz Ant1 Emission



Tx. Spurious NVNT n20 5700MHz Ant1 Emission



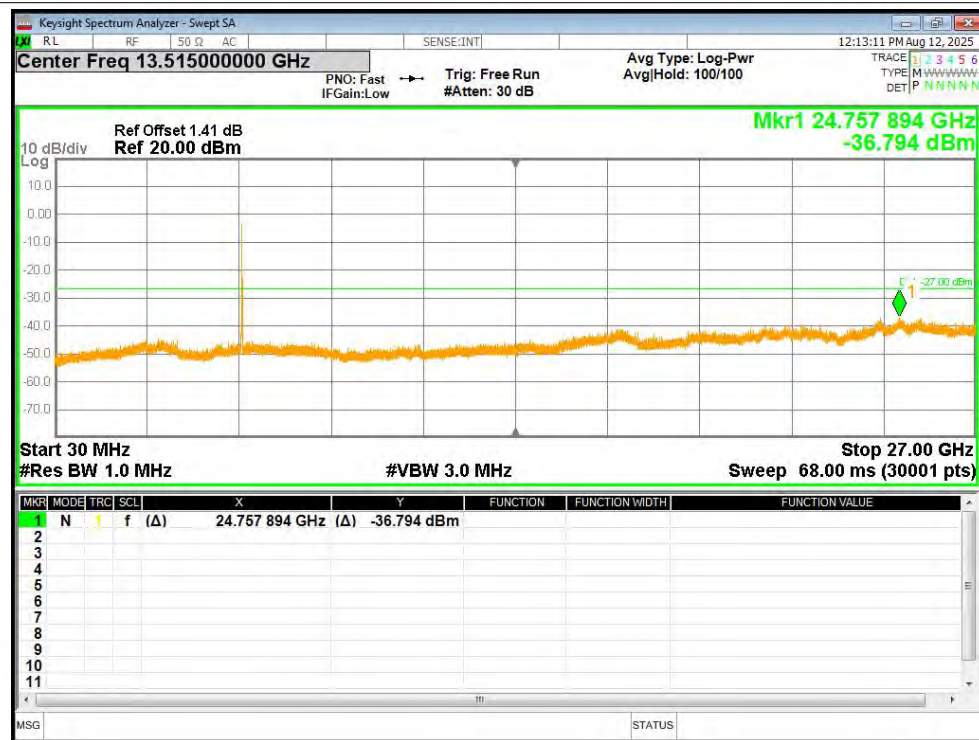
Tx. Spurious NVNT n40 5510MHz Ant1 Emission



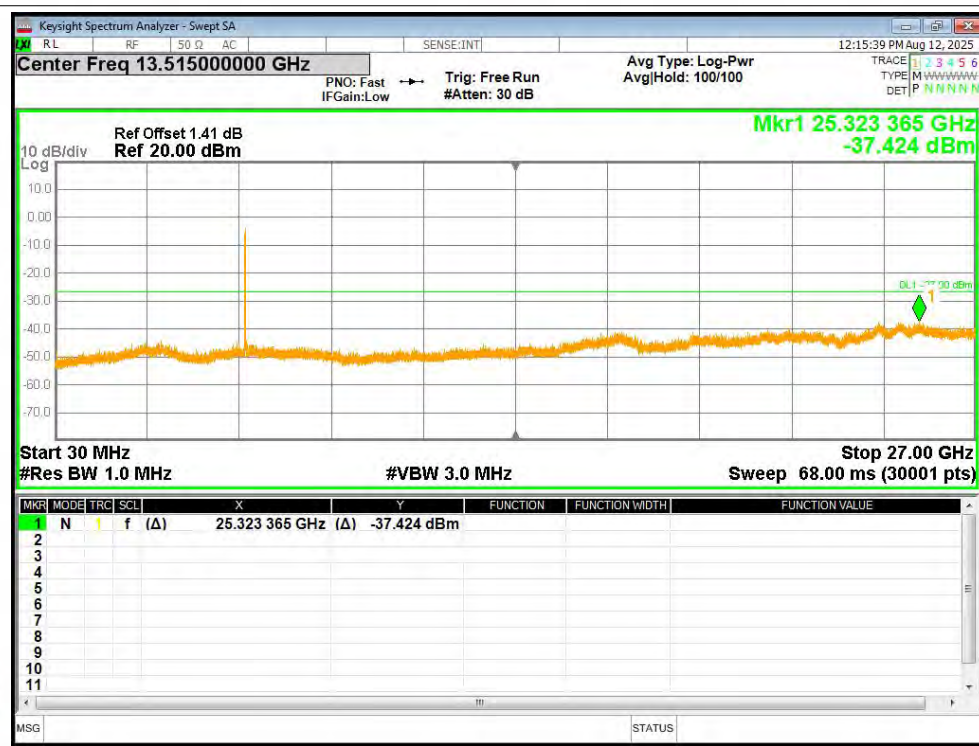
Tx. Spurious NVNT n40 5670MHz Ant1 Emission



Tx. Spurious NVNT ac20 5500MHz Ant1 Emission



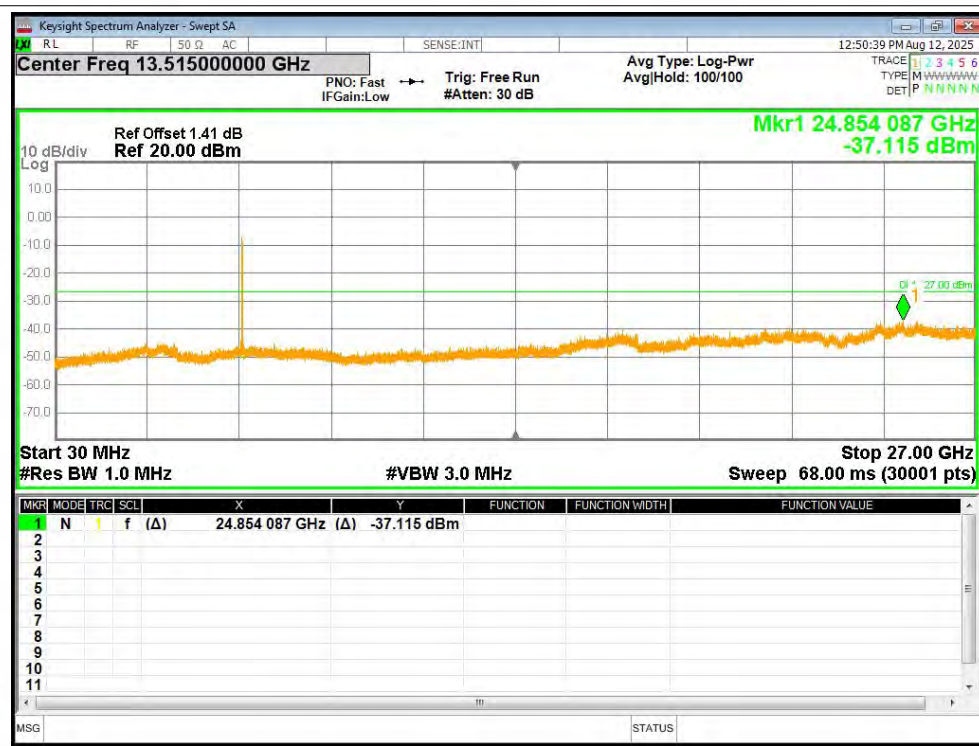
Tx. Spurious NVNT ac20 5600MHz Ant1 Emission

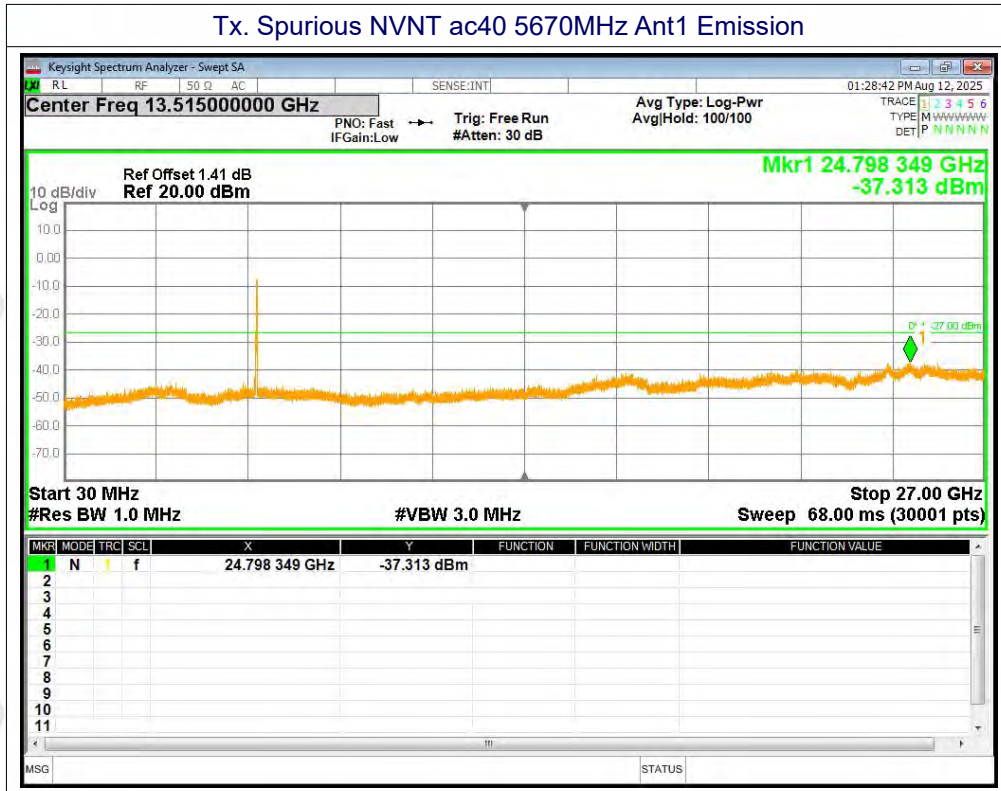


**Tx. Spurious NVNT ac20 5700MHz Ant1 Emission**



**Tx. Spurious NVNT ac40 5510MHz Ant1 Emission**





## 5.8G WIFI DATA

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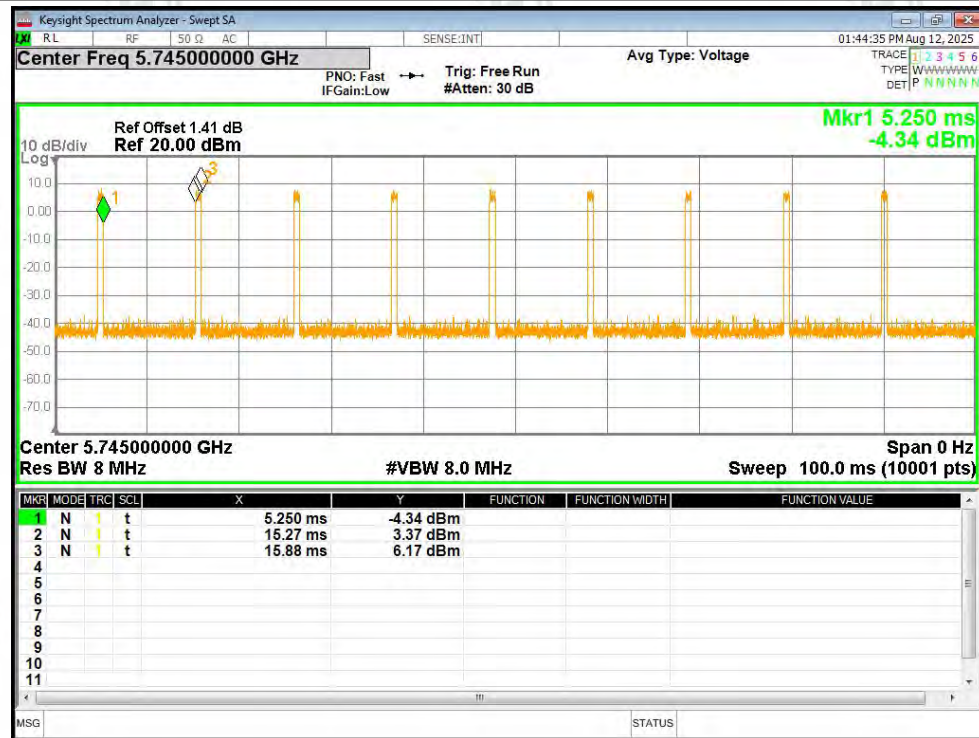
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**Duty Cycle**

| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | a    | 5745            | Ant1    | 5.74           | 12.41                  | 1.64      |
| NVNT      | a    | 5785            | Ant1    | 5.74           | 12.41                  | 1.64      |
| NVNT      | a    | 5825            | Ant1    | 5.83           | 12.34                  | 1.61      |
| NVNT      | n20  | 5745            | Ant1    | 5.11           | 12.92                  | 1.85      |
| NVNT      | n20  | 5785            | Ant1    | 5.02           | 12.99                  | 1.89      |
| NVNT      | n20  | 5825            | Ant1    | 5.02           | 12.99                  | 1.89      |
| NVNT      | n40  | 5755            | Ant1    | 2.62           | 15.82                  | 3.7       |
| NVNT      | n40  | 5795            | Ant1    | 2.72           | 15.65                  | 3.57      |
| NVNT      | ac20 | 5745            | Ant1    | 4.3            | 13.67                  | 2.22      |
| NVNT      | ac20 | 5785            | Ant1    | 4.3            | 13.67                  | 2.22      |
| NVNT      | ac20 | 5825            | Ant1    | 4.39           | 13.58                  | 2.17      |
| NVNT      | ac40 | 5755            | Ant1    | 2.15           | 16.68                  | 4.55      |
| NVNT      | ac40 | 5795            | Ant1    | 2.15           | 16.68                  | 4.55      |

### Test Graphs

#### Duty Cycle NVNT a 5745MHz Ant1



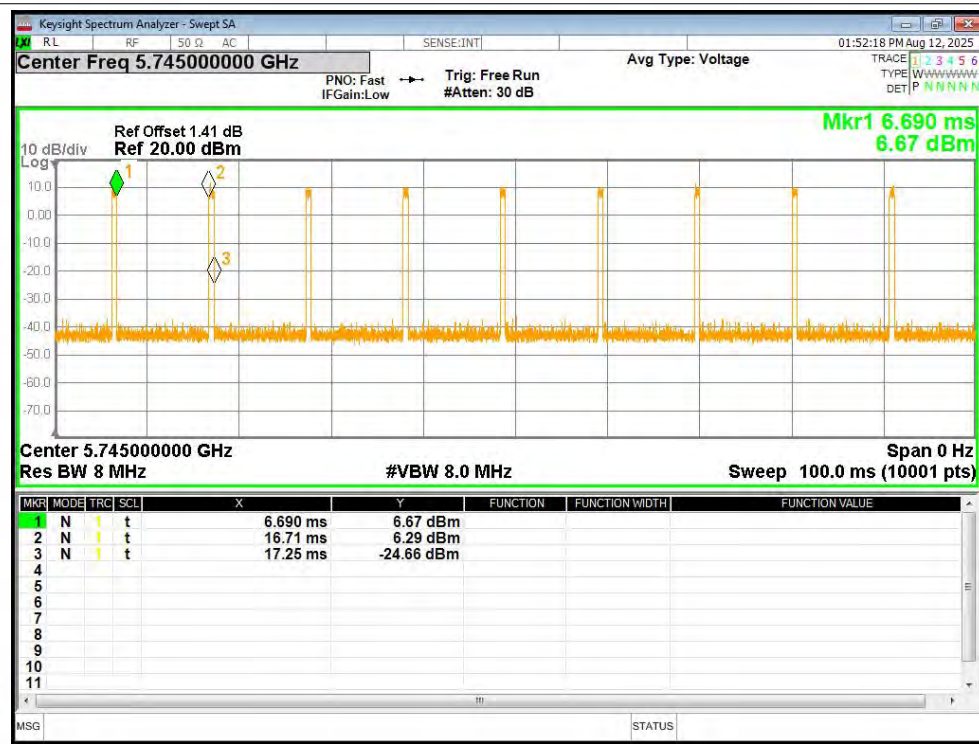
#### Duty Cycle NVNT a 5785MHz Ant1



### Duty Cycle NVNT a 5825MHz Ant1



### Duty Cycle NVNT n20 5745MHz Ant1



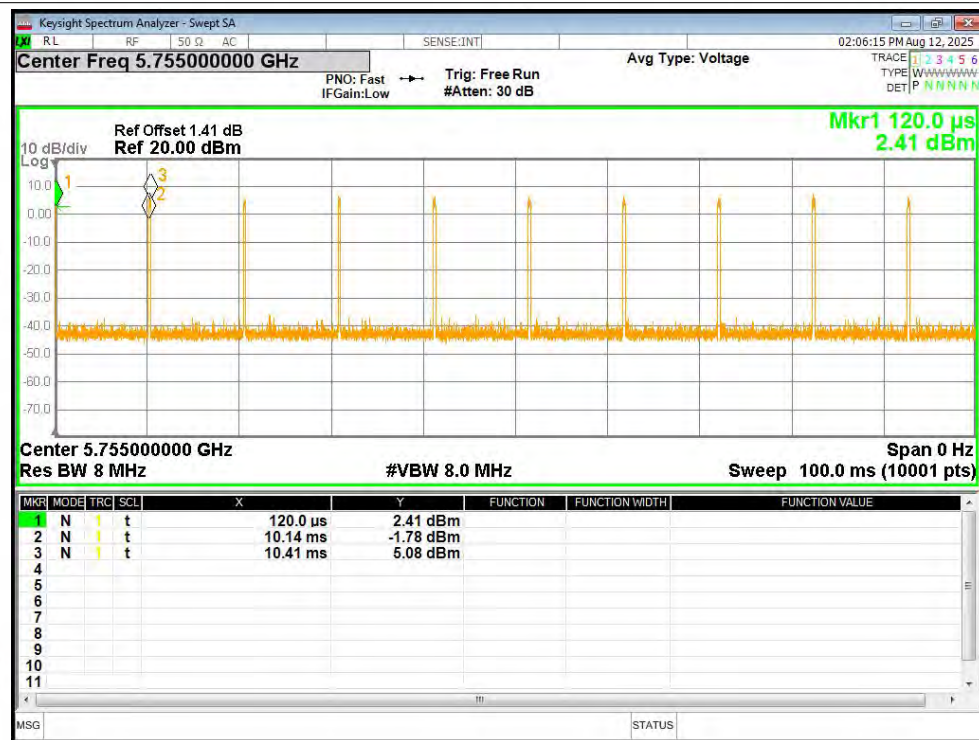
### Duty Cycle NVNT n20 5785MHz Ant1



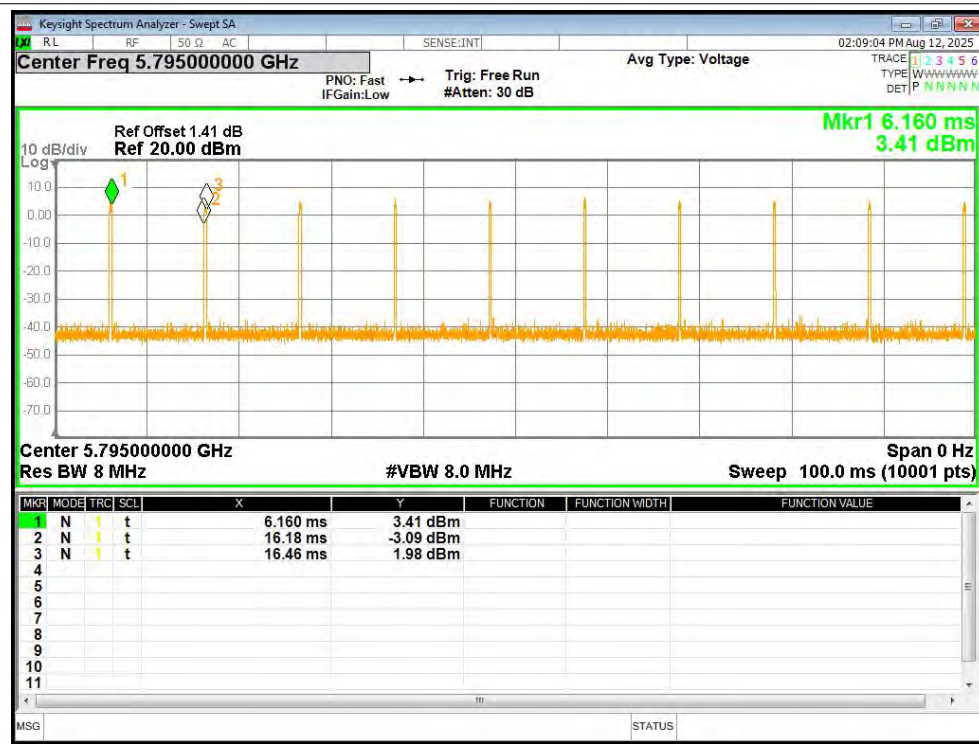
### Duty Cycle NVNT n20 5825MHz Ant1



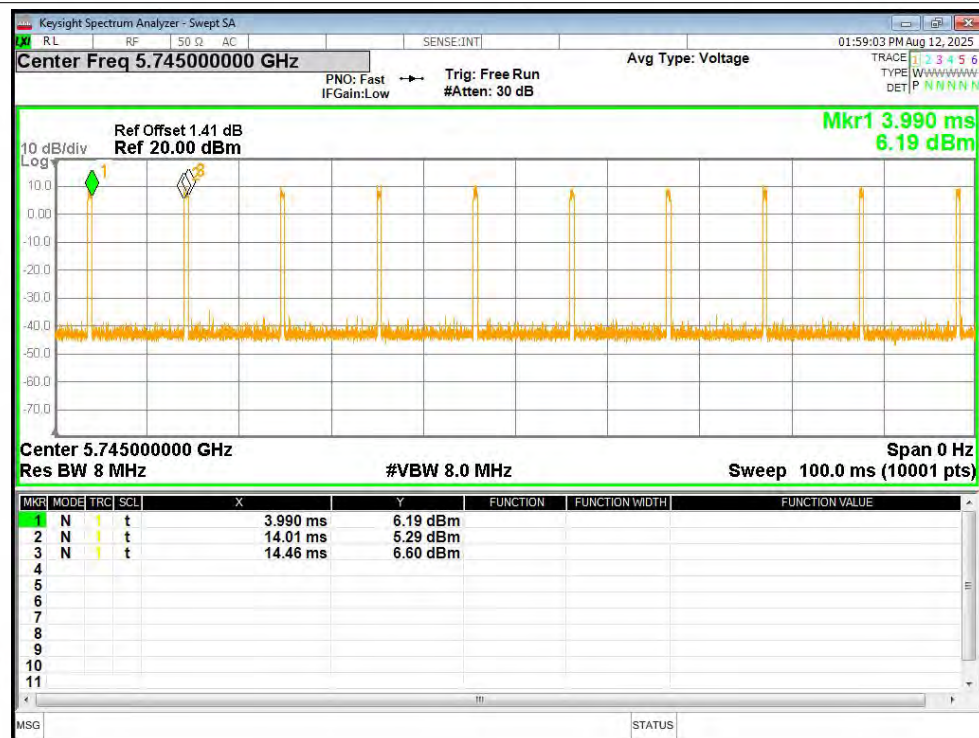
### Duty Cycle NVNT n40 5755MHz Ant1



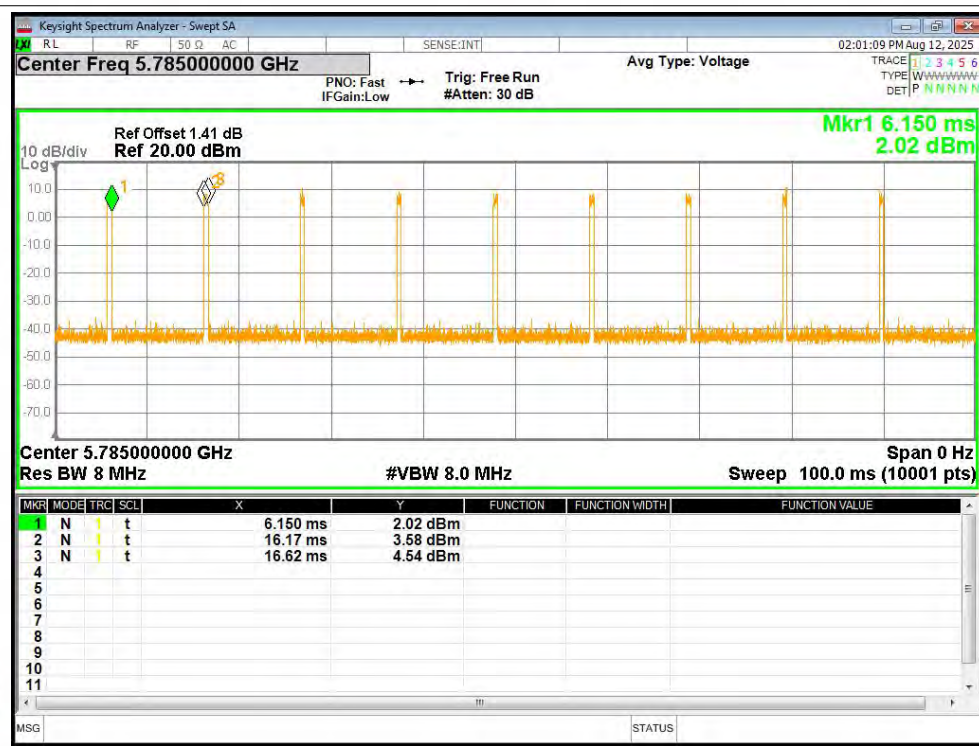
### Duty Cycle NVNT n40 5795MHz Ant1



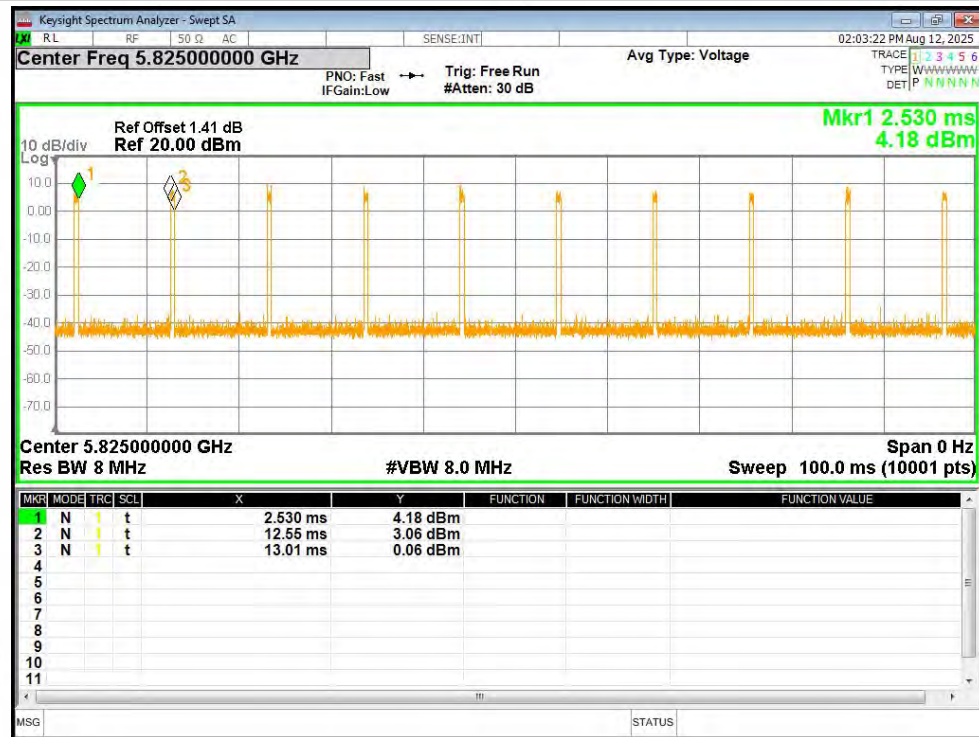
### Duty Cycle NVNT ac20 5745MHz Ant1



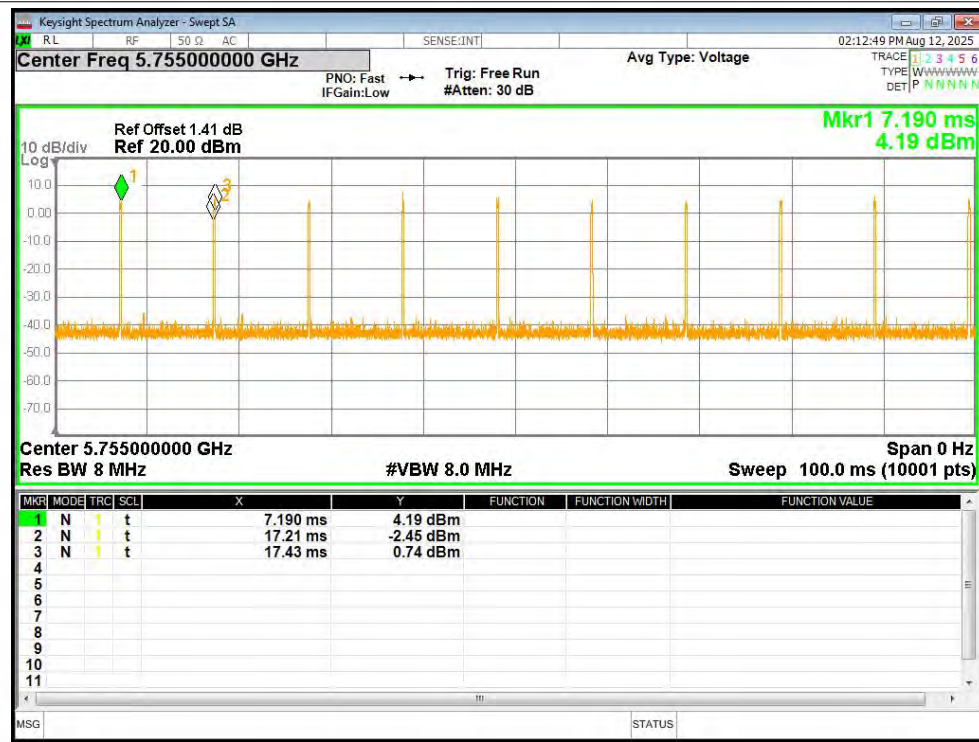
### Duty Cycle NVNT ac20 5785MHz Ant1

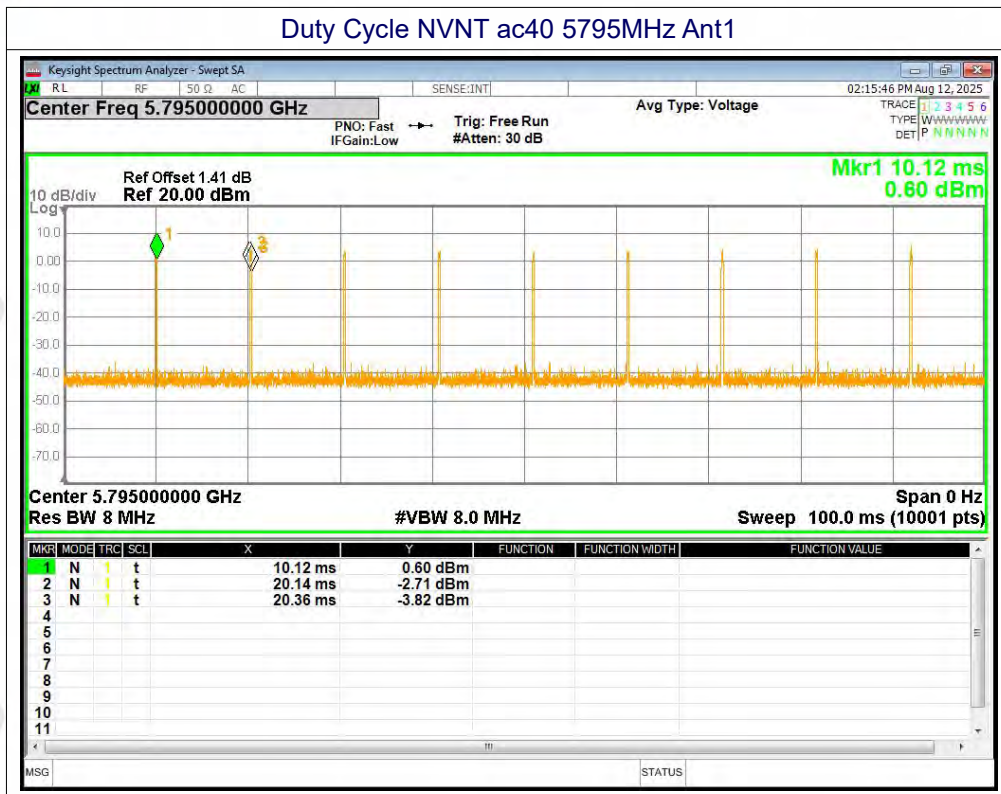


### Duty Cycle NVNT ac20 5825MHz Ant1



### Duty Cycle NVNT ac40 5755MHz Ant1





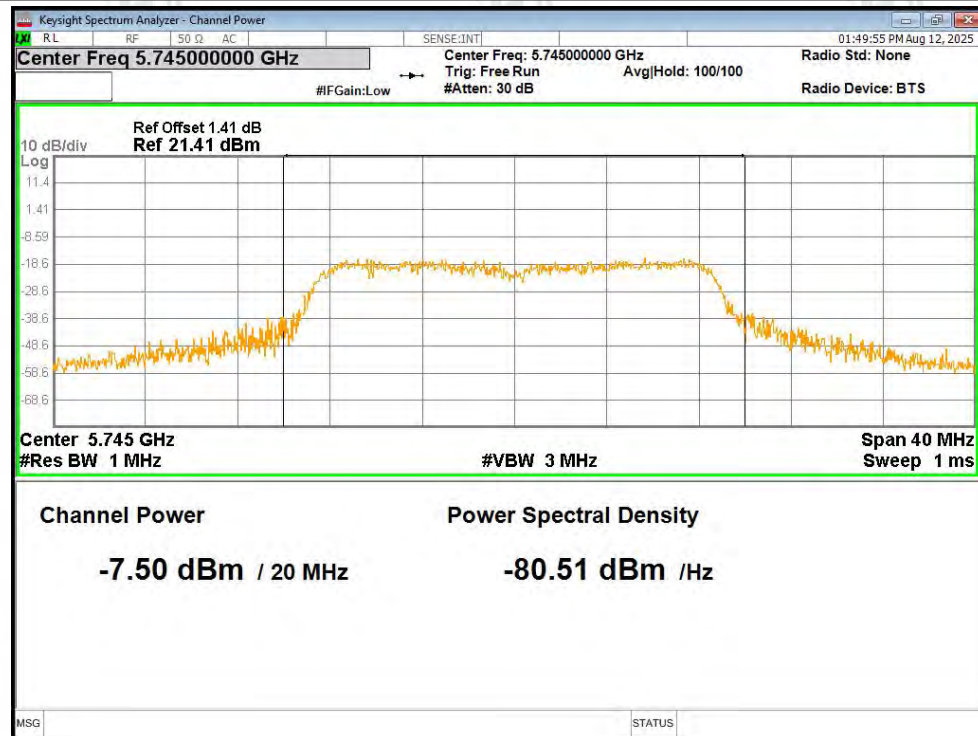


## Maximum Conducted Output Power

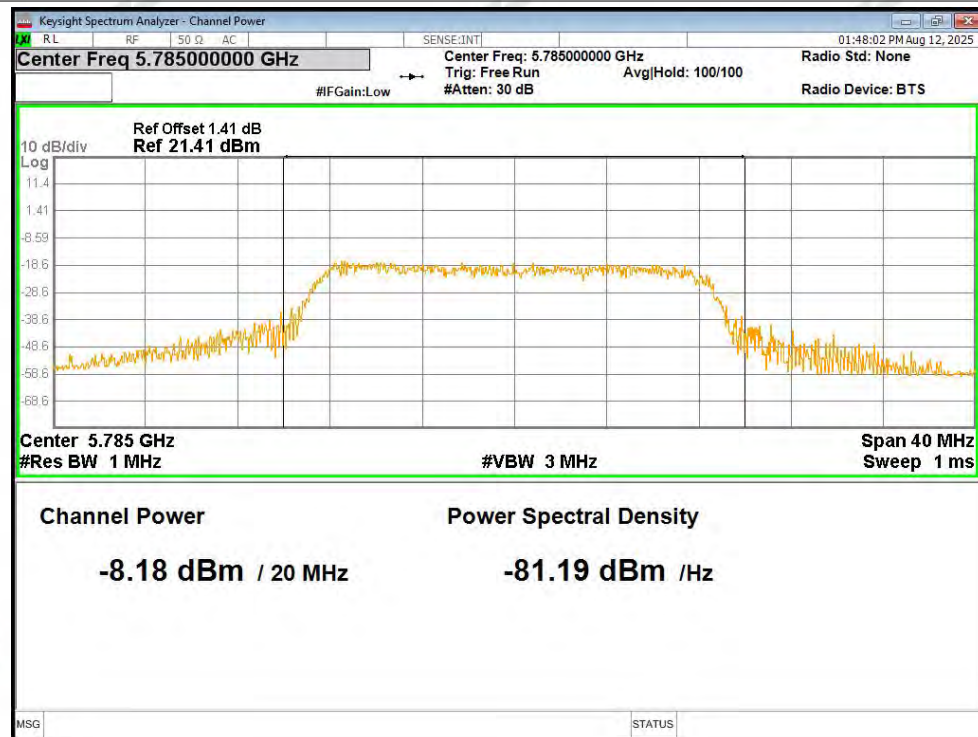
| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|------------------|-------------------|-------------|---------|
| NVNT      | a    | 5745            | Ant1    | -7.5                  | 12.41            | 4.91              | 30          | Pass    |
| NVNT      | a    | 5785            | Ant1    | -8.18                 | 12.41            | 4.23              | 30          | Pass    |
| NVNT      | a    | 5825            | Ant1    | -8.07                 | 12.34            | 4.27              | 30          | Pass    |
| NVNT      | n20  | 5745            | Ant1    | -7.72                 | 12.92            | 5.2               | 30          | Pass    |
| NVNT      | n20  | 5785            | Ant1    | -10.43                | 12.99            | 2.56              | 30          | Pass    |
| NVNT      | n20  | 5825            | Ant1    | -9                    | 12.99            | 3.99              | 30          | Pass    |
| NVNT      | n40  | 5755            | Ant1    | -11.52                | 15.82            | 4.3               | 30          | Pass    |
| NVNT      | n40  | 5795            | Ant1    | -13.25                | 15.65            | 2.4               | 30          | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | -10.51                | 13.67            | 3.16              | 30          | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | -10.97                | 13.67            | 2.7               | 30          | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | -9.55                 | 13.58            | 4.03              | 30          | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | -13.53                | 16.68            | 3.15              | 30          | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | -14.91                | 16.68            | 1.77              | 30          | Pass    |

Test Graphs

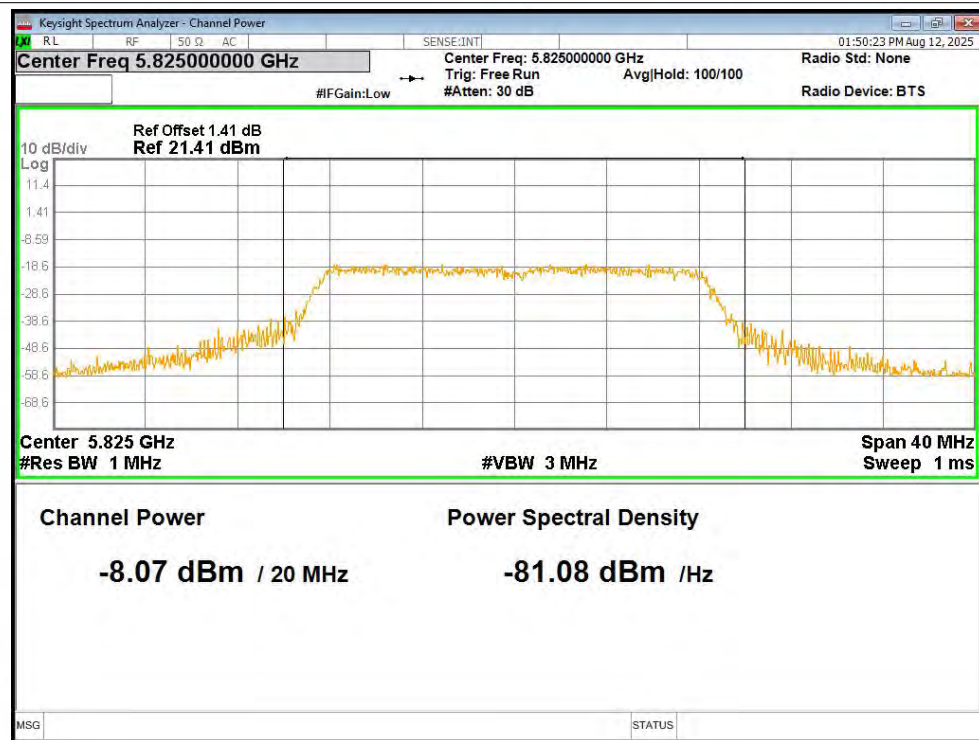
Power NVNT a 5745MHz Ant1



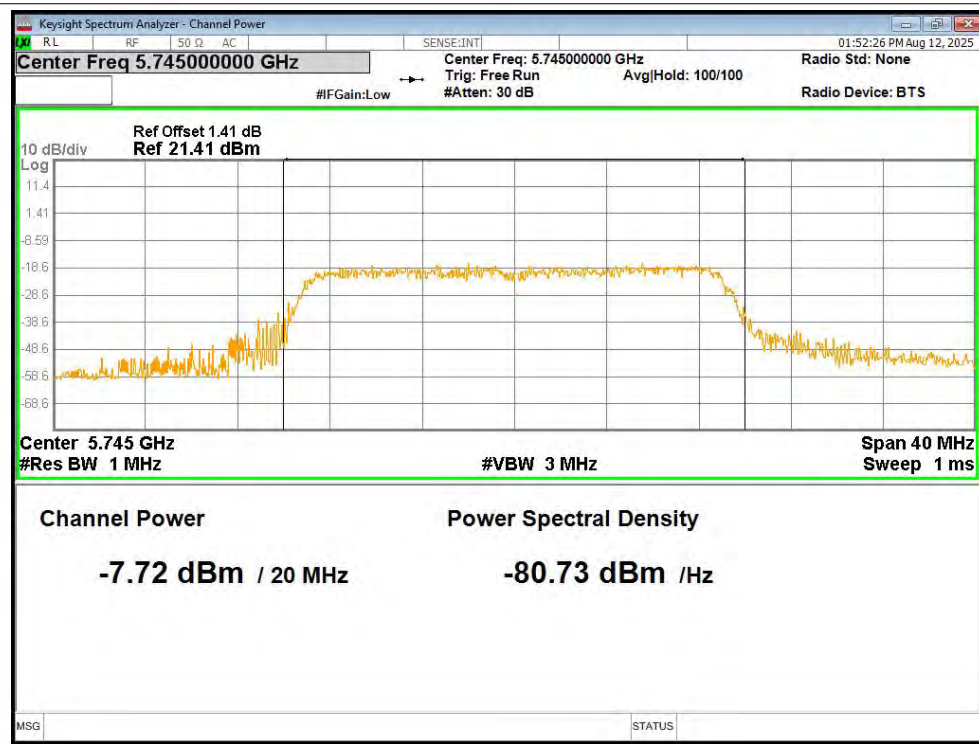
Power NVNT a 5785MHz Ant1



Power NVNT a 5825MHz Ant1



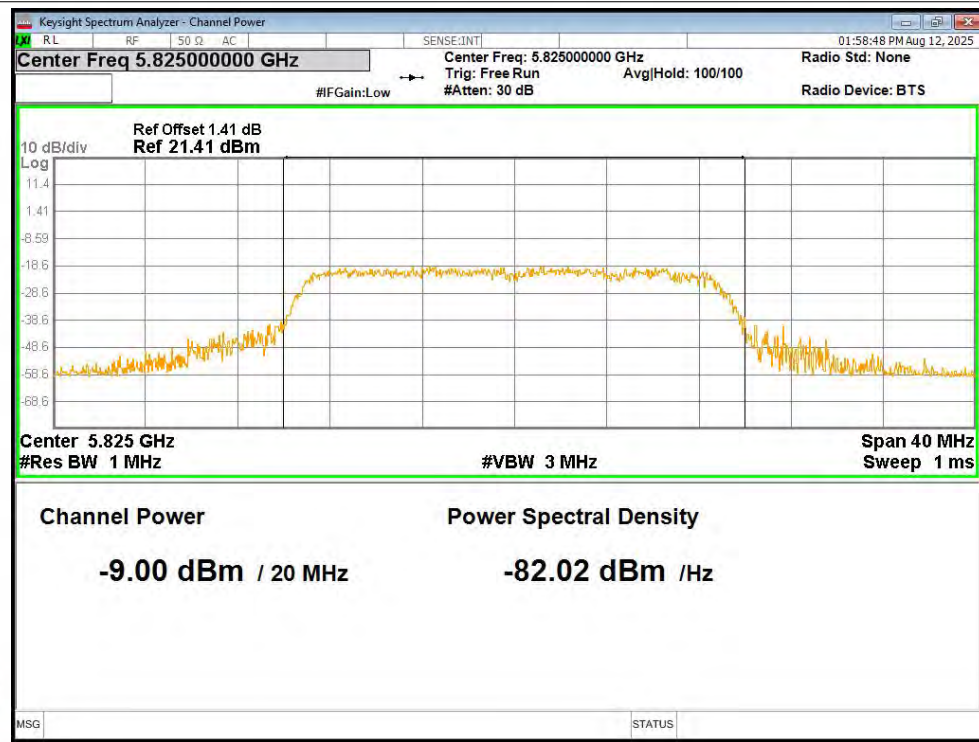
Power NVNT n20 5745MHz Ant1



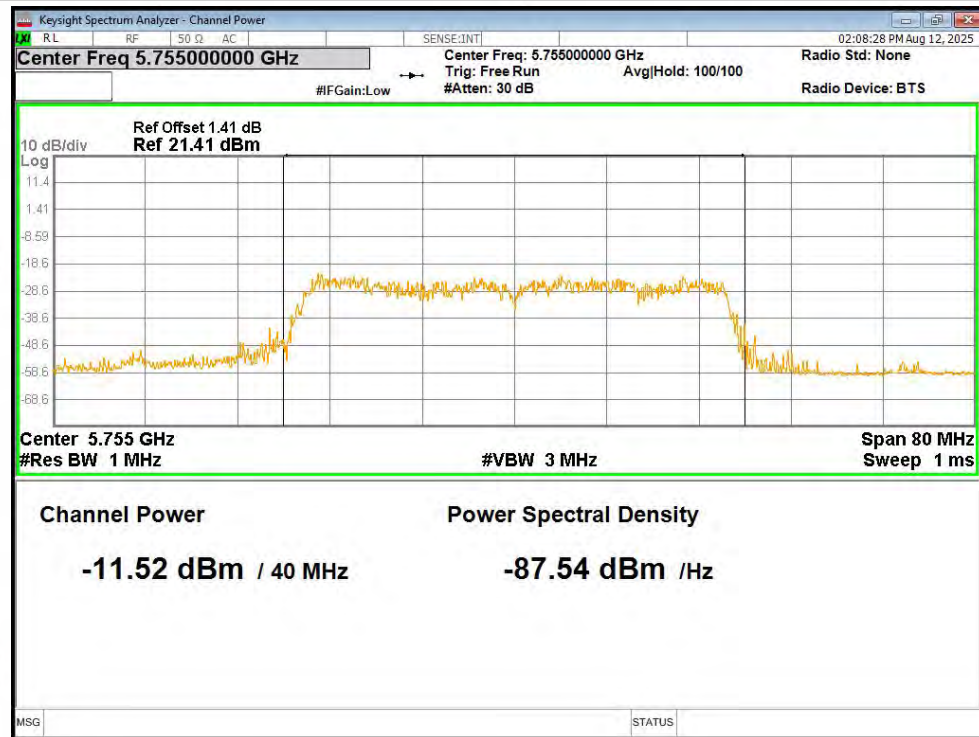
Power NVNT n20 5785MHz Ant1



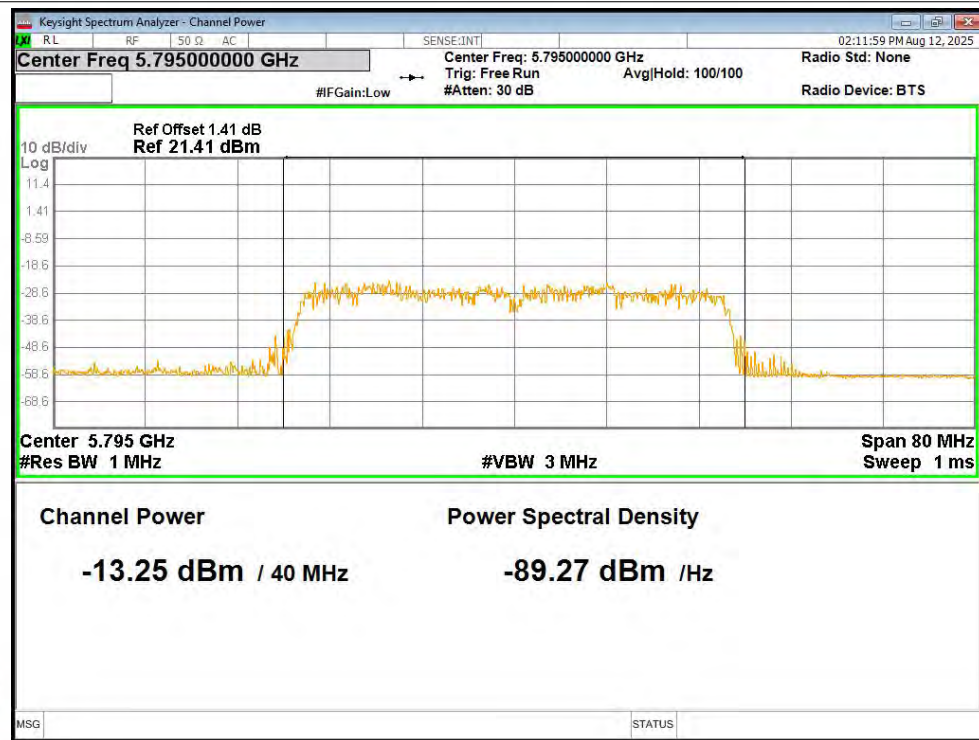
Power NVNT n20 5825MHz Ant1



Power NVNT n40 5755MHz Ant1



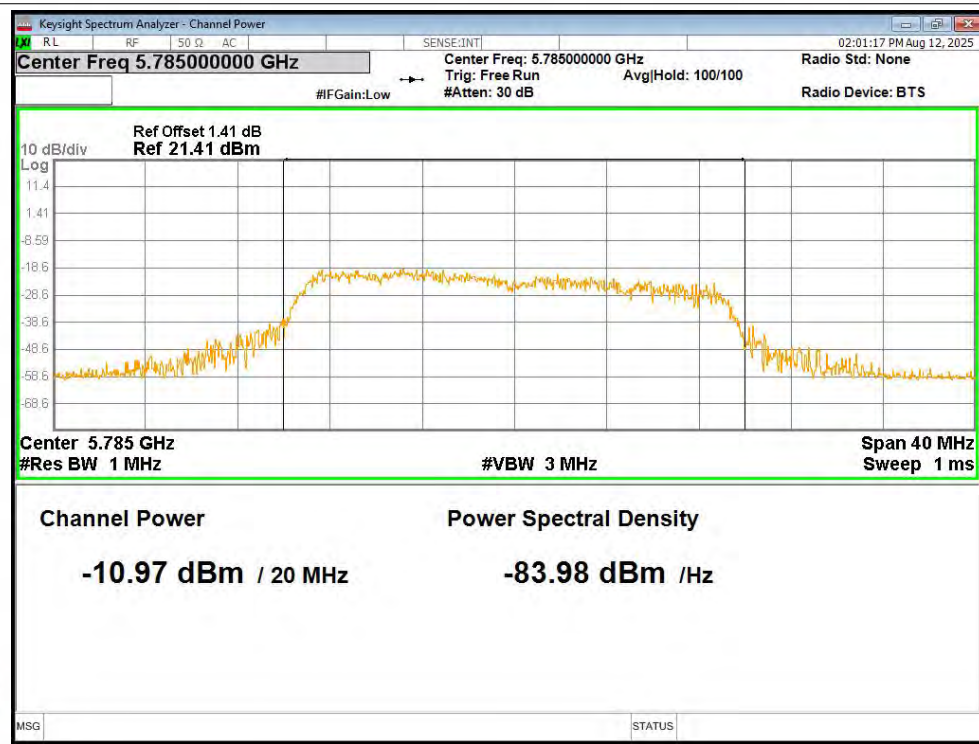
Power NVNT n40 5795MHz Ant1



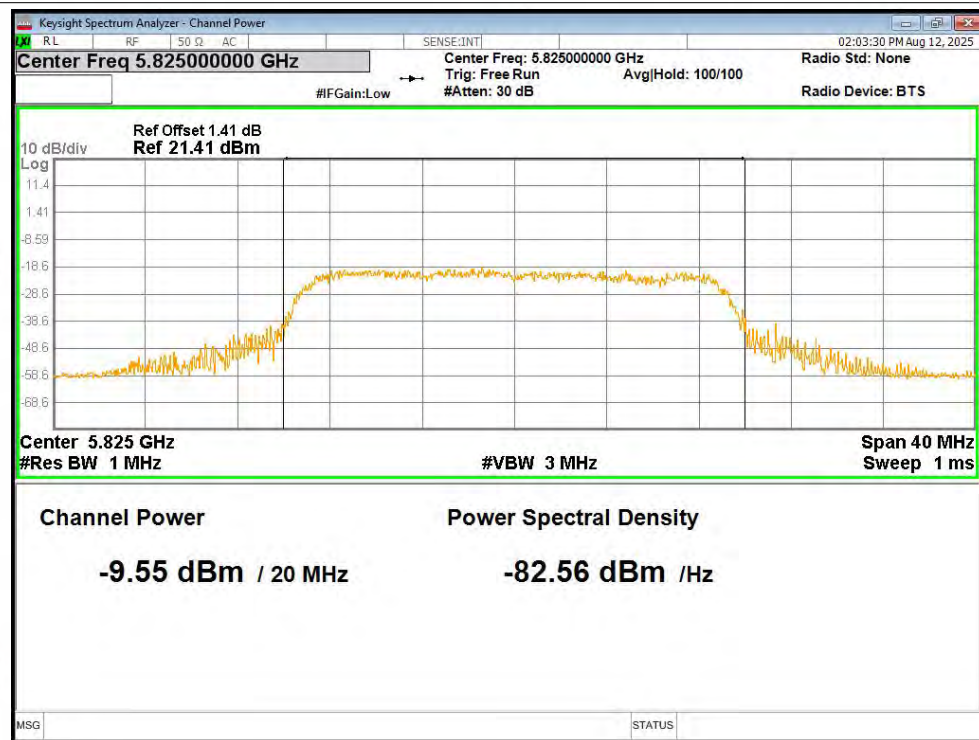
Power NVNT ac20 5745MHz Ant1



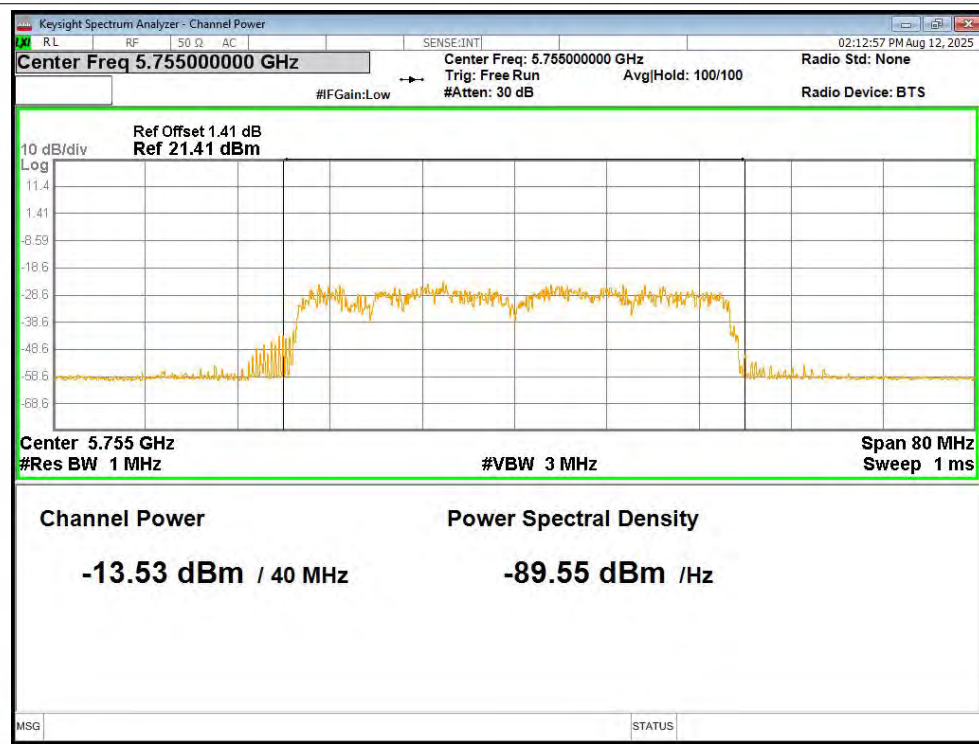
Power NVNT ac20 5785MHz Ant1

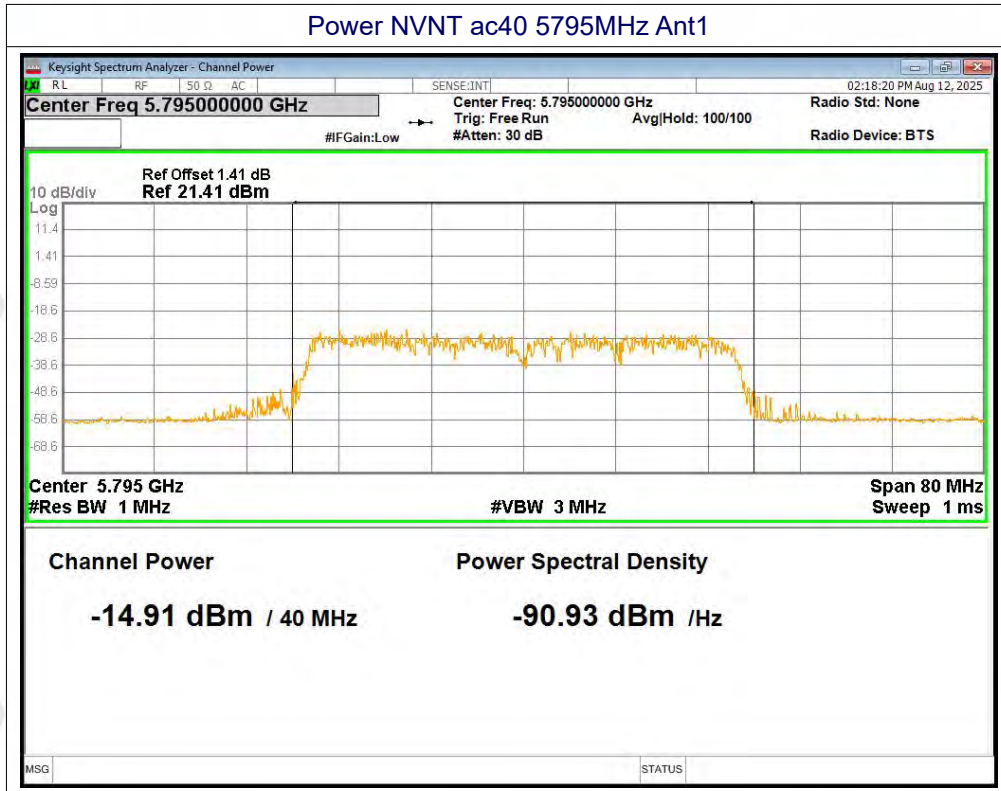


Power NVNT ac20 5825MHz Ant1



Power NVNT ac40 5755MHz Ant1



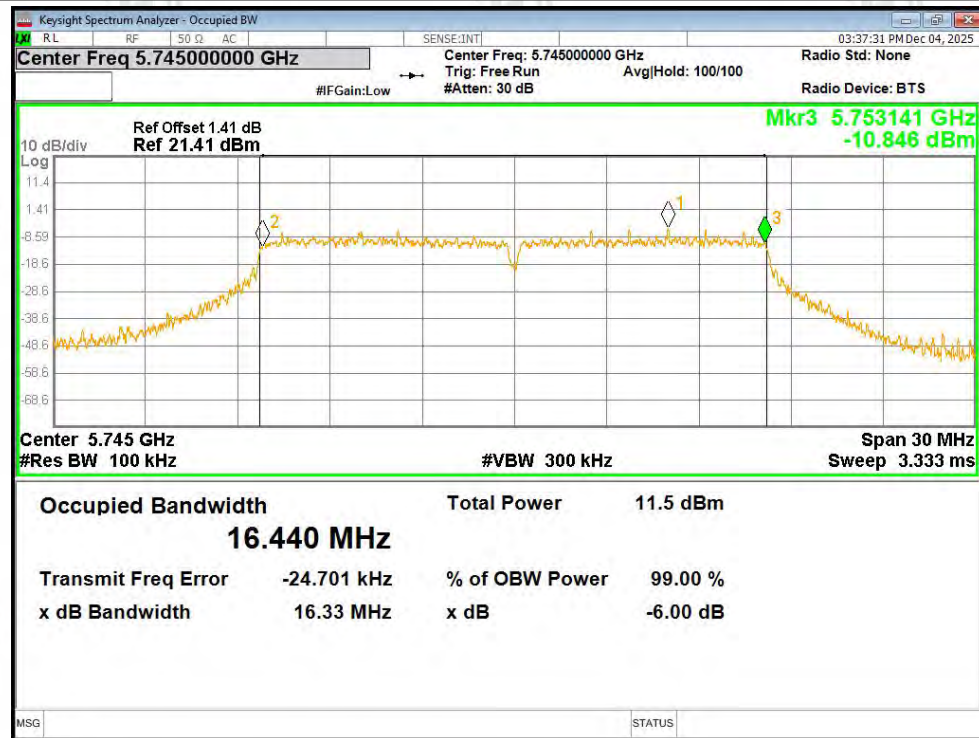


**-6dB Bandwidth**

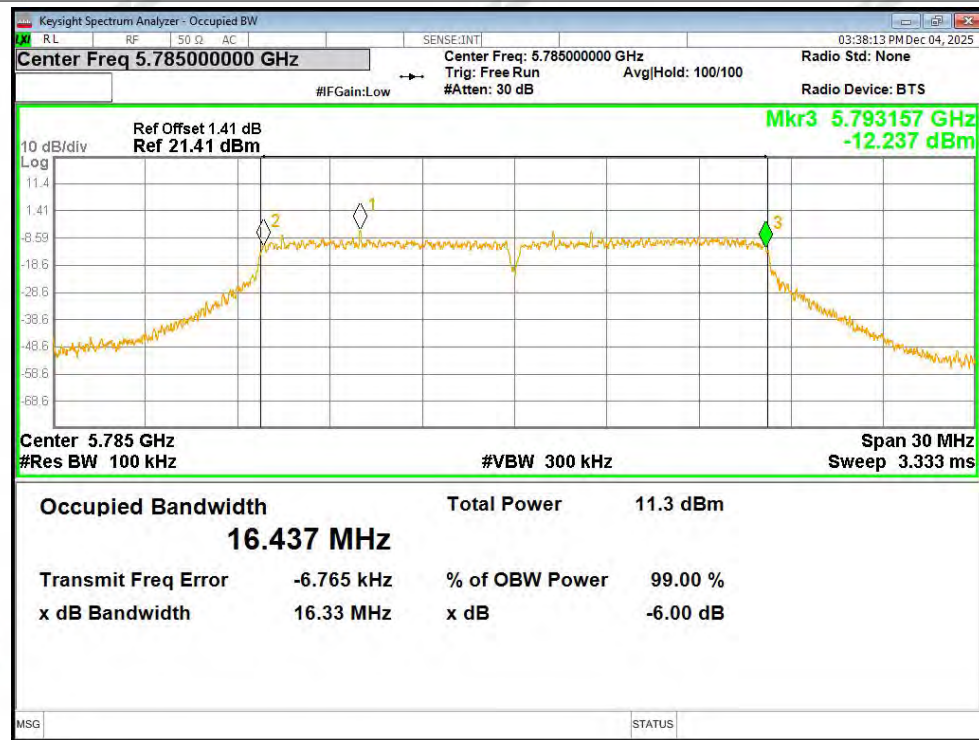
| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | a    | 5745            | Ant1    | 16.33                 | 0.5                         | Pass    |
| NVNT      | a    | 5785            | Ant1    | 16.33                 | 0.5                         | Pass    |
| NVNT      | a    | 5825            | Ant1    | 16.31                 | 0.5                         | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 17.32                 | 0.5                         | Pass    |
| NVNT      | n20  | 5785            | Ant1    | 16.97                 | 0.5                         | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 17.05                 | 0.5                         | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 35.42                 | 0.5                         | Pass    |
| NVNT      | n40  | 5795            | Ant1    | 34.44                 | 0.5                         | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | 17.29                 | 0.5                         | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | 17.54                 | 0.5                         | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | 16.66                 | 0.5                         | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | 35.32                 | 0.5                         | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | 35.46                 | 0.5                         | Pass    |

### Test Graphs

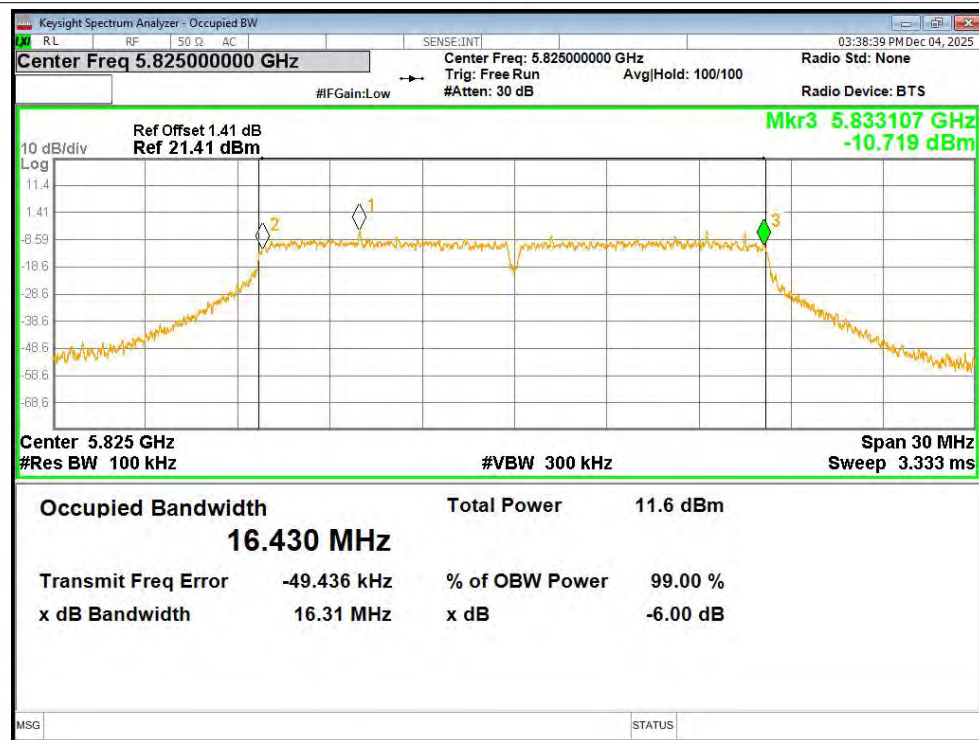
#### -6dB Bandwidth NVNT a 5745MHz Ant1



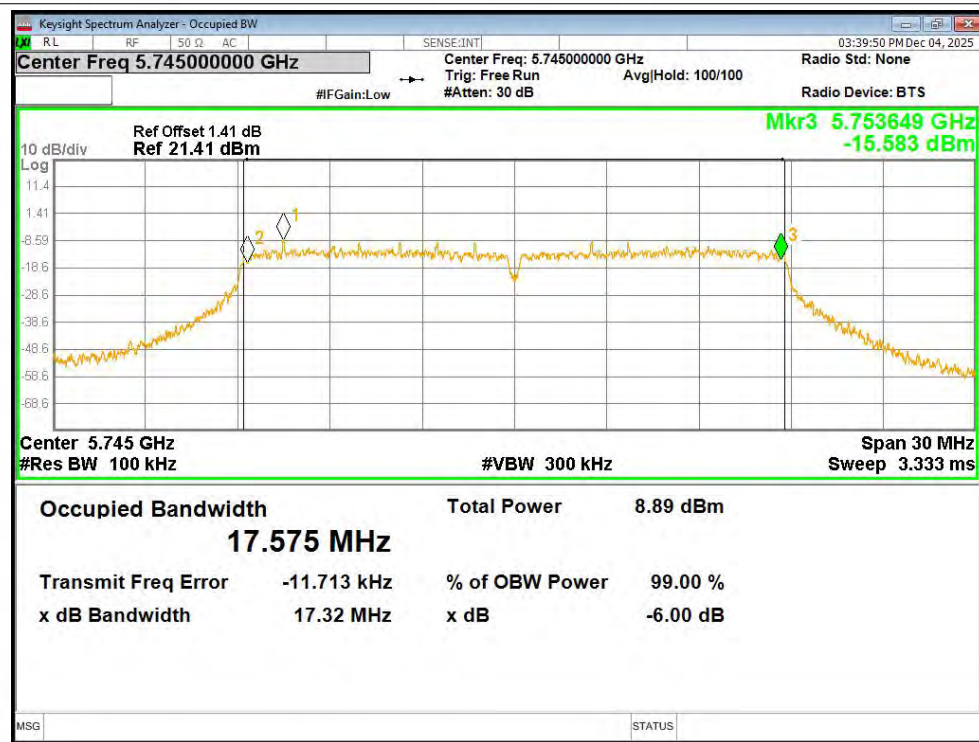
#### -6dB Bandwidth NVNT a 5785MHz Ant1



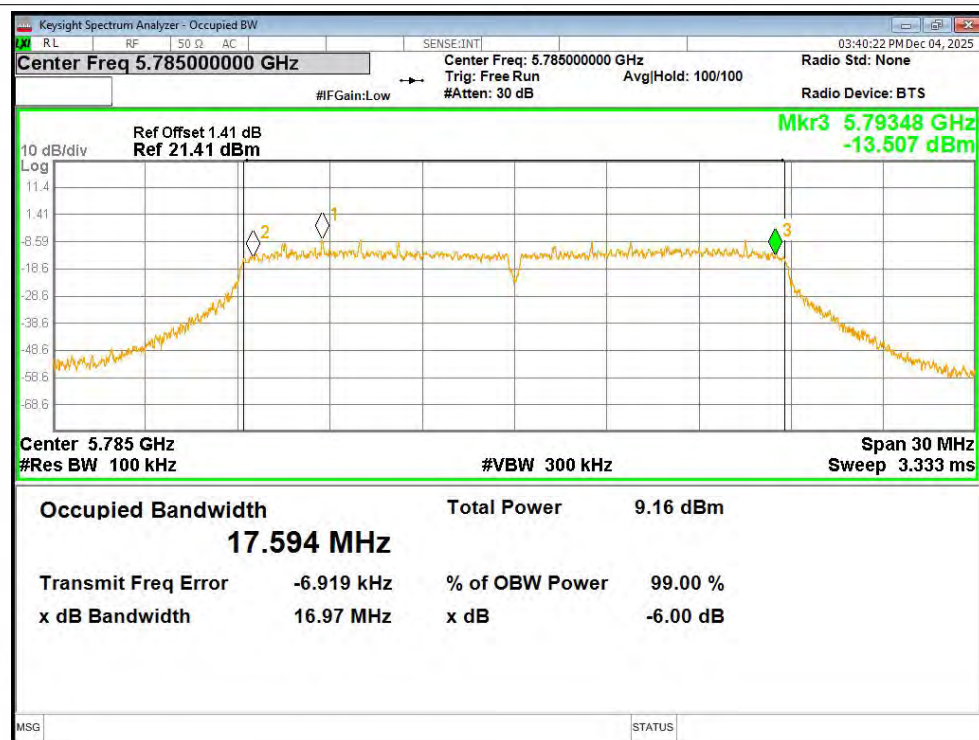
**-6dB Bandwidth NVNT a 5825MHz Ant1**



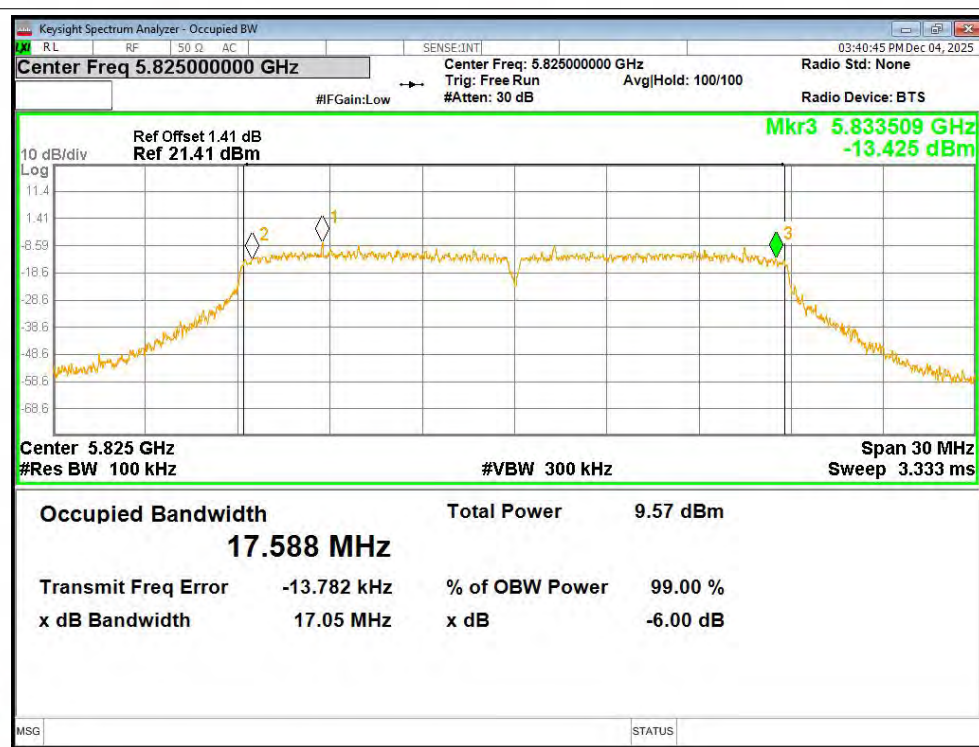
**-6dB Bandwidth NVNT n20 5745MHz Ant1**



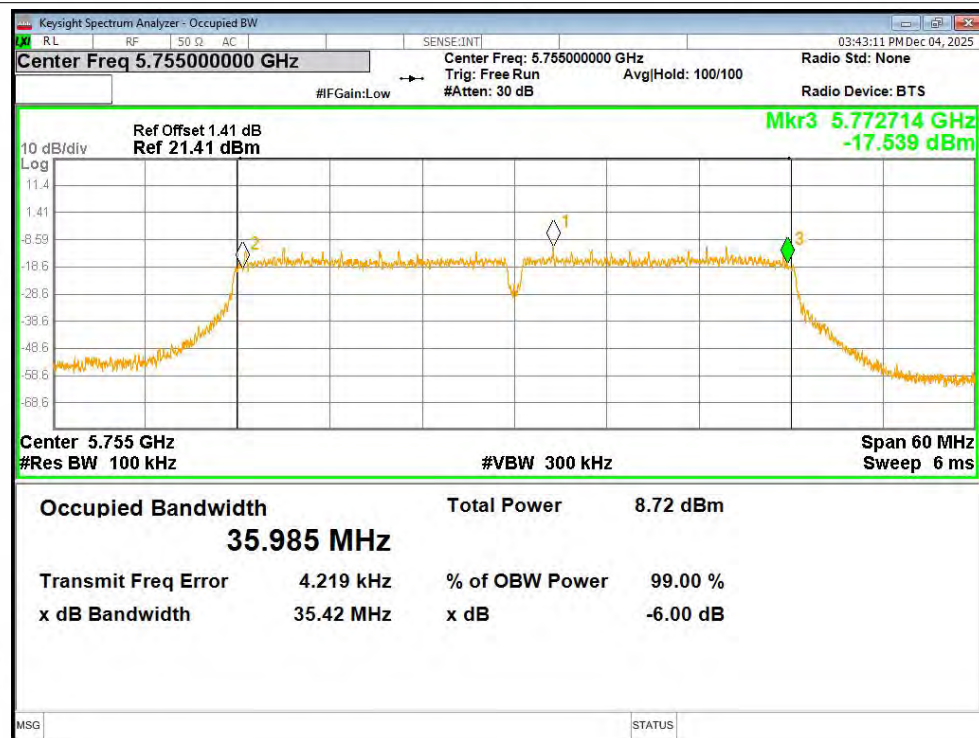
-6dB Bandwidth NVNT n20 5785MHz Ant1



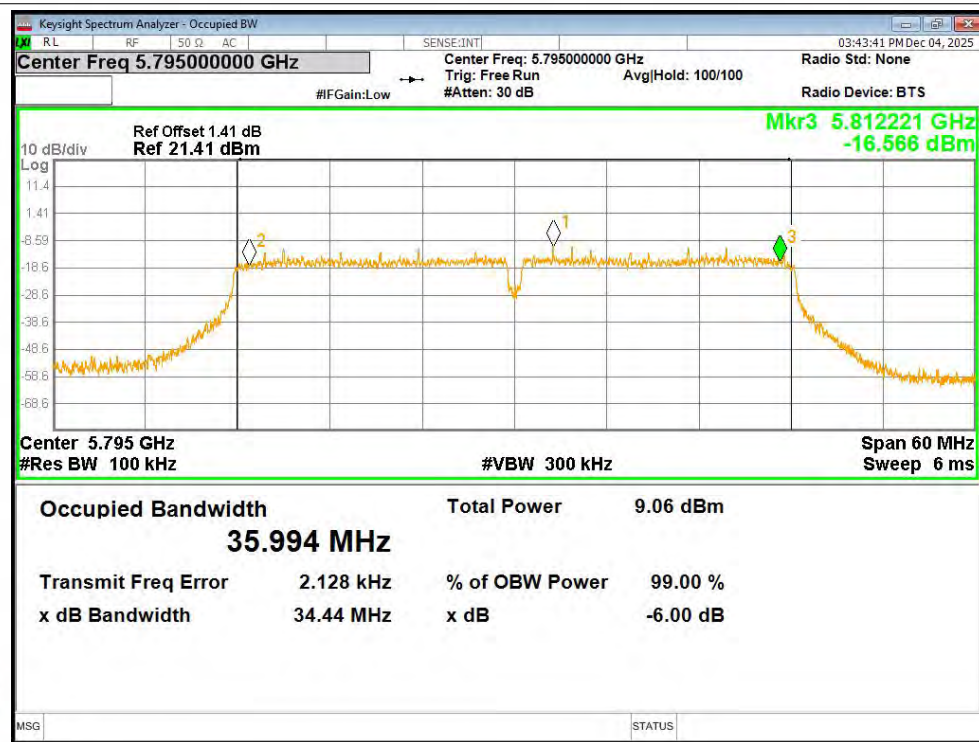
-6dB Bandwidth NVNT n20 5825MHz Ant1



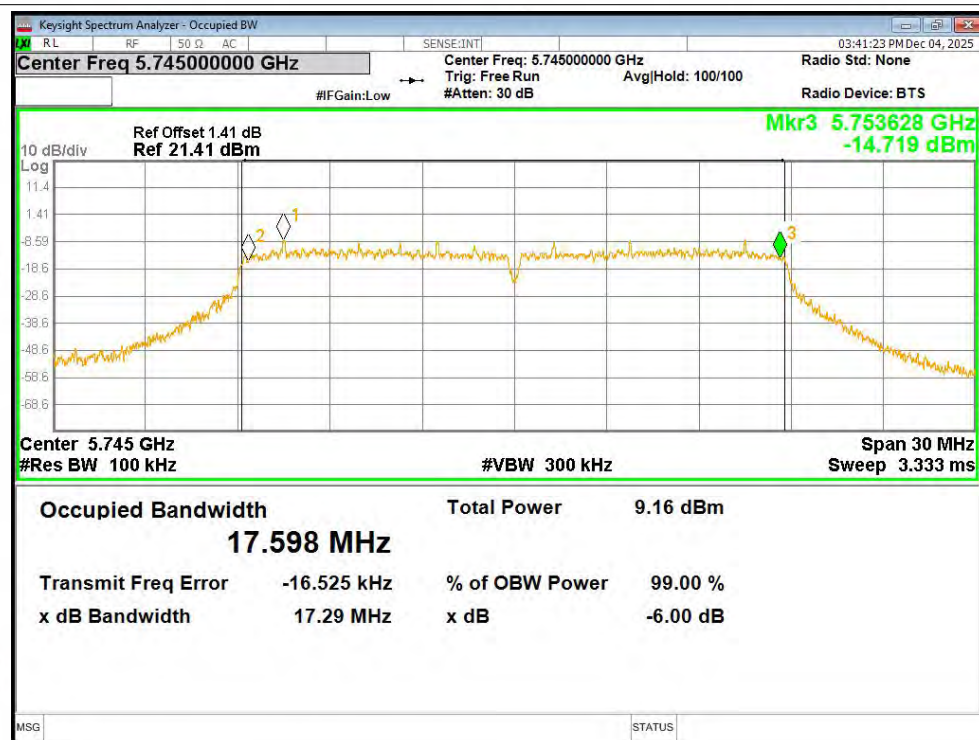
-6dB Bandwidth NVNT n40 5755MHz Ant1



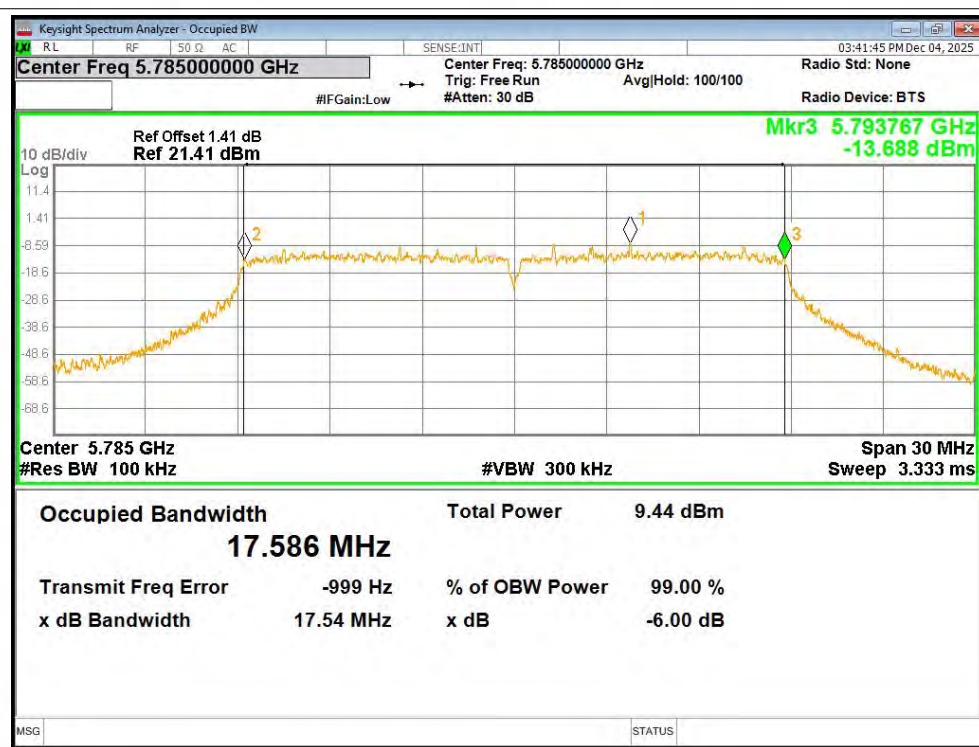
-6dB Bandwidth NVNT n40 5795MHz Ant1



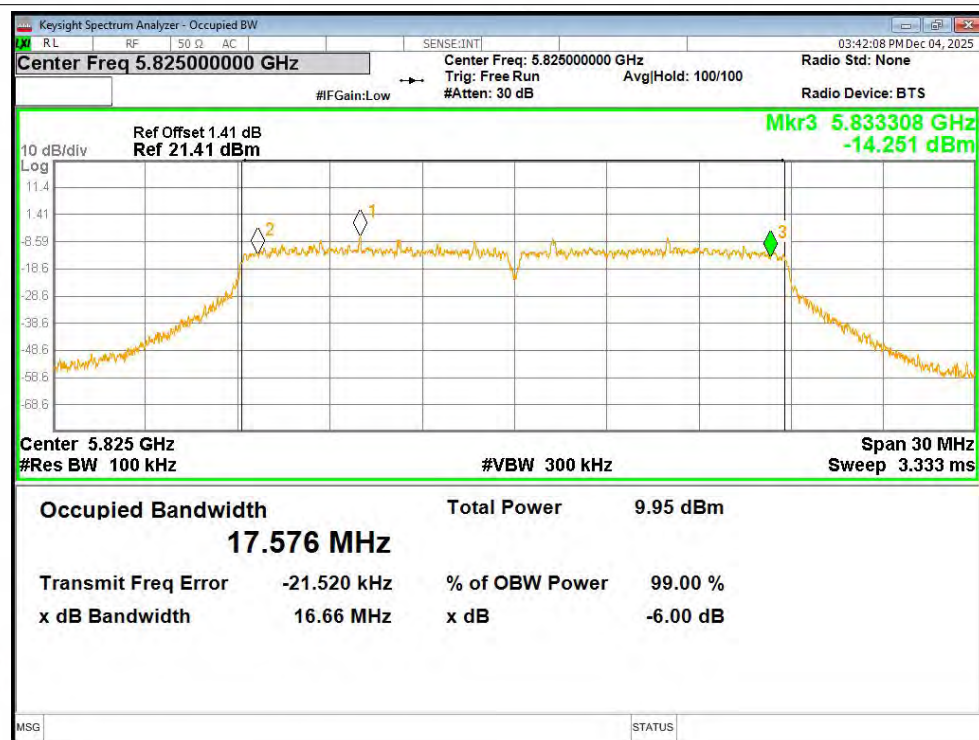
-6dB Bandwidth NVNT ac20 5745MHz Ant1



-6dB Bandwidth NVNT ac20 5785MHz Ant1

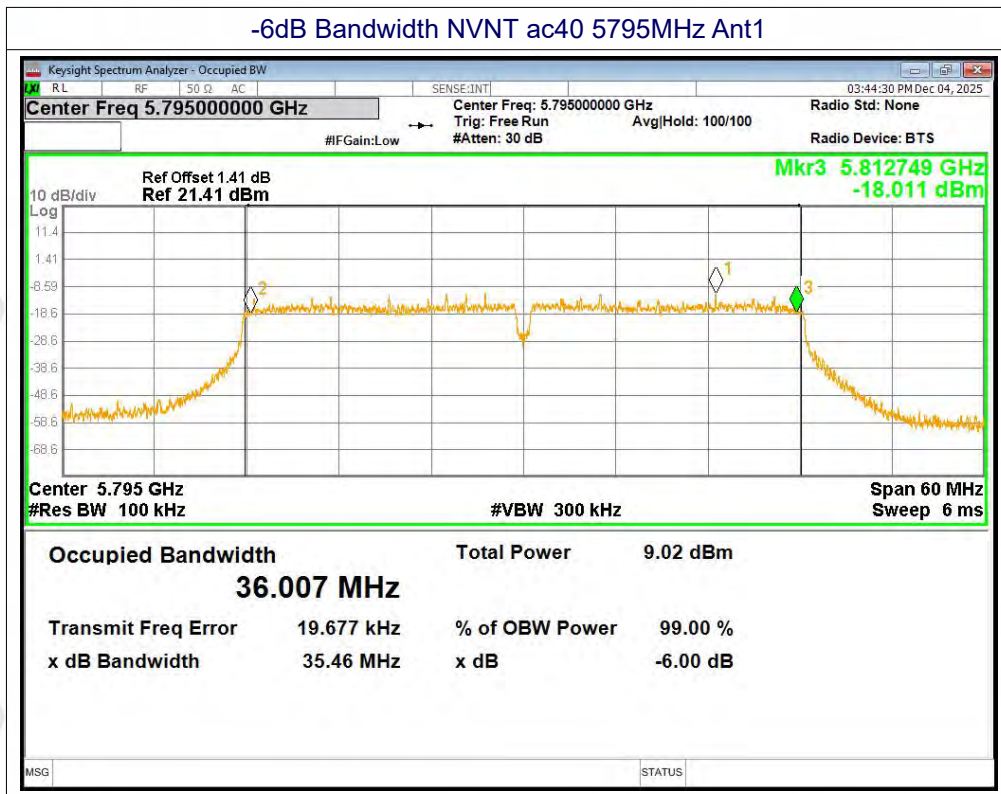


-6dB Bandwidth NVNT ac20 5825MHz Ant1



-6dB Bandwidth NVNT ac40 5755MHz Ant1





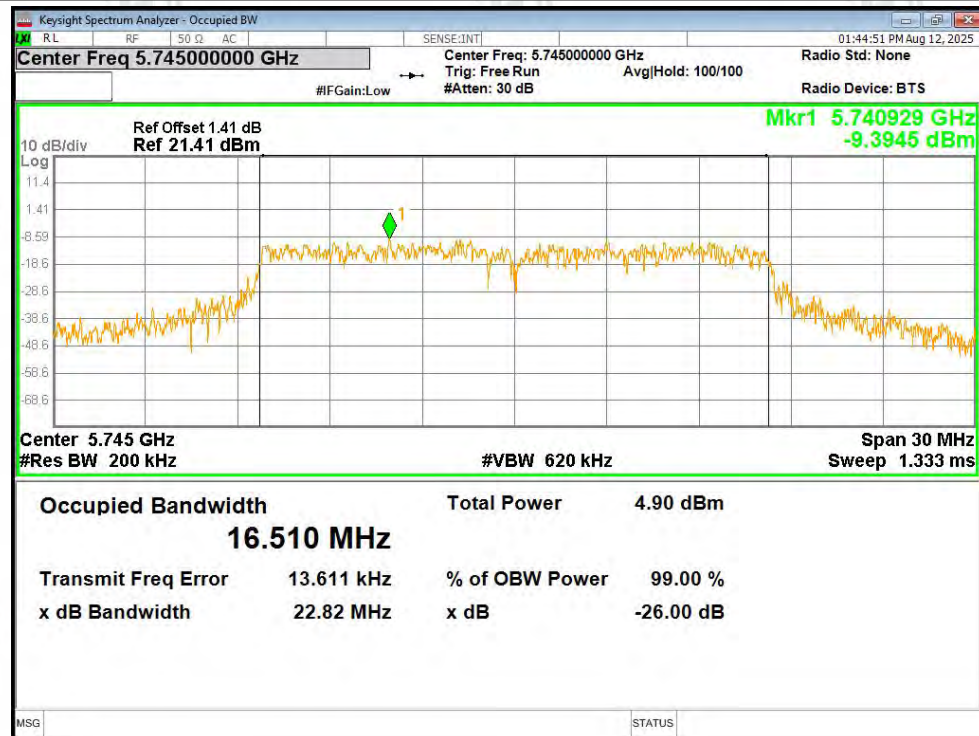


## Occupied Channel Bandwidth

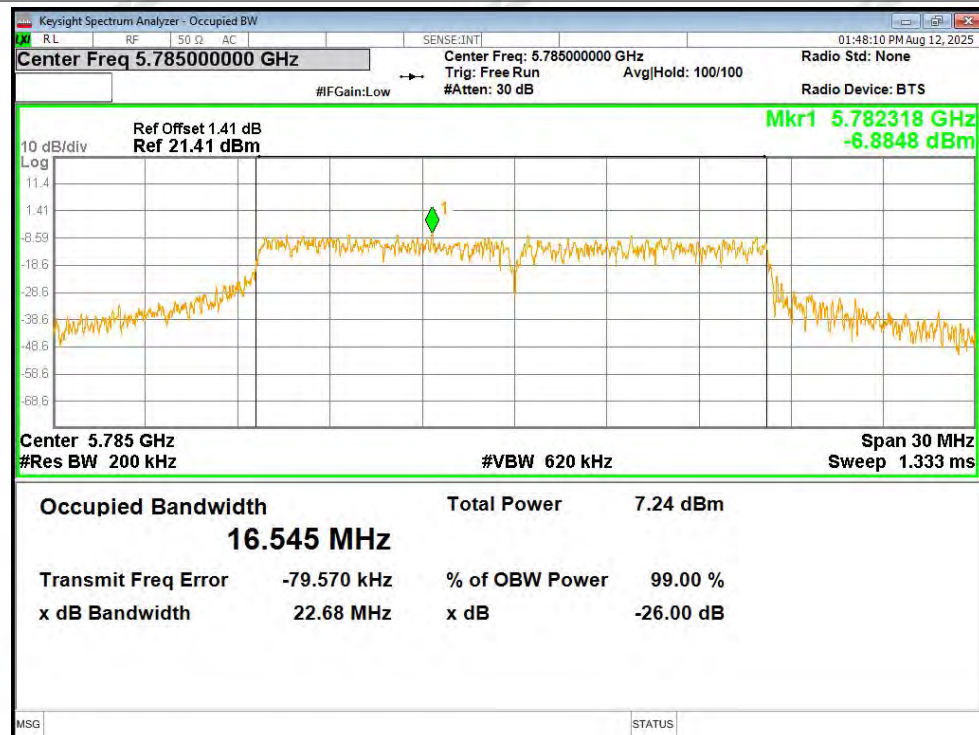
| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | a    | 5745            | Ant1    | 16.51         |
| NVNT      | a    | 5785            | Ant1    | 16.545        |
| NVNT      | a    | 5825            | Ant1    | 16.548        |
| NVNT      | n20  | 5745            | Ant1    | 17.756        |
| NVNT      | n20  | 5785            | Ant1    | 17.805        |
| NVNT      | n20  | 5825            | Ant1    | 17.764        |
| NVNT      | n40  | 5755            | Ant1    | 36.233        |
| NVNT      | n40  | 5795            | Ant1    | 36.146        |
| NVNT      | ac20 | 5745            | Ant1    | 17.812        |
| NVNT      | ac20 | 5785            | Ant1    | 17.799        |
| NVNT      | ac20 | 5825            | Ant1    | 17.726        |
| NVNT      | ac40 | 5755            | Ant1    | 36.444        |
| NVNT      | ac40 | 5795            | Ant1    | 36.356        |

Test Graphs

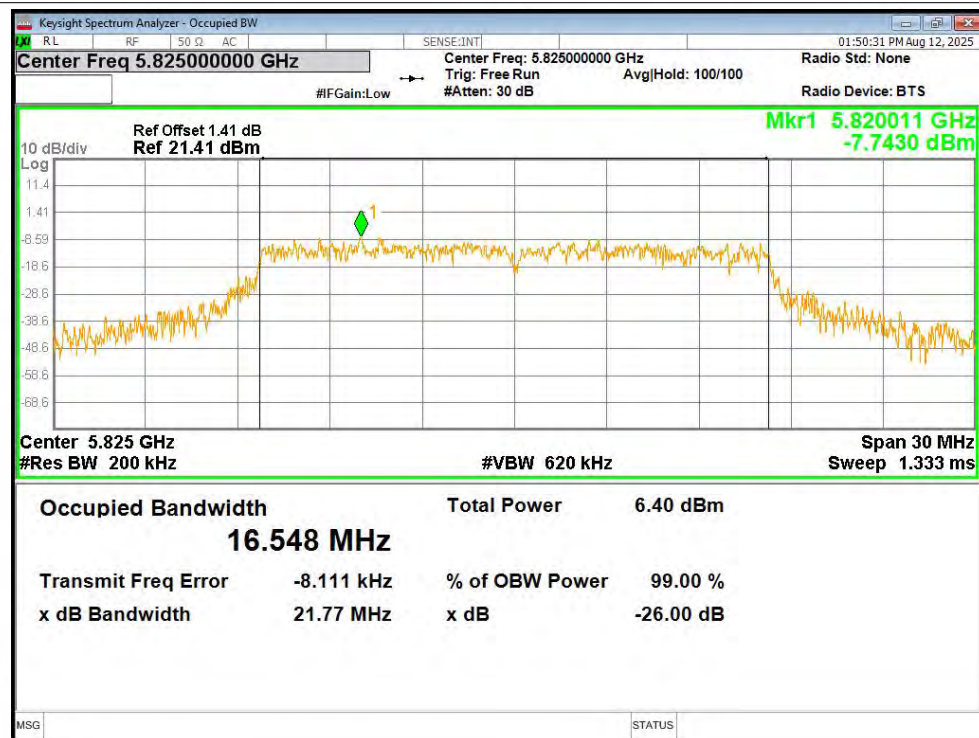
OBW NVNT a 5745MHz Ant1



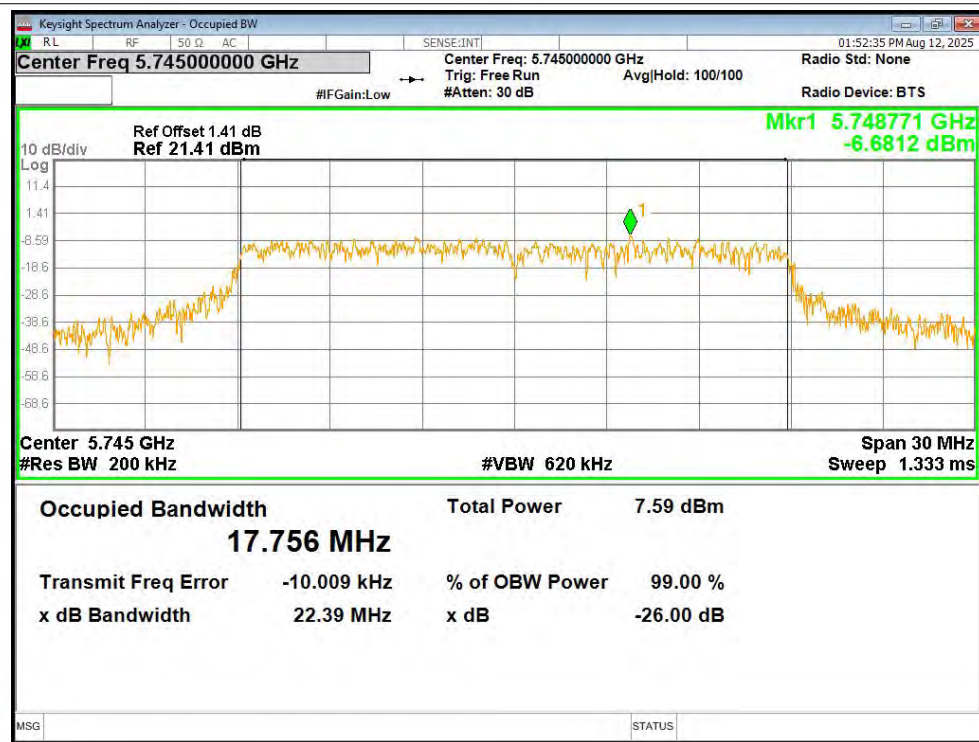
OBW NVNT a 5785MHz Ant1



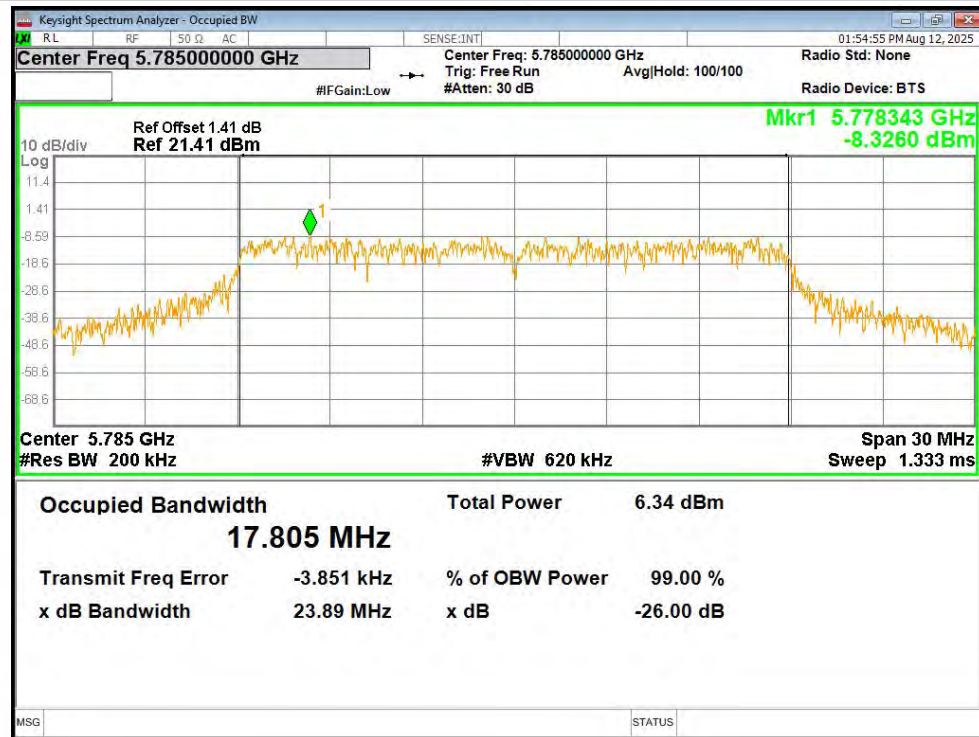
OBW NVNT a 5825MHz Ant1



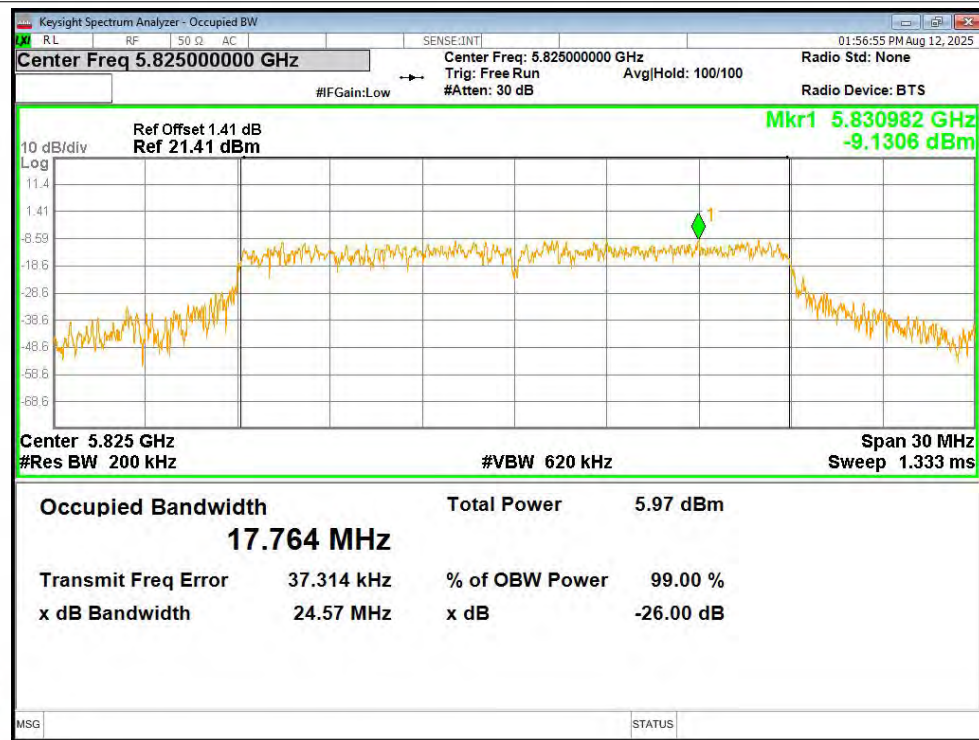
OBW NVNT n20 5745MHz Ant1



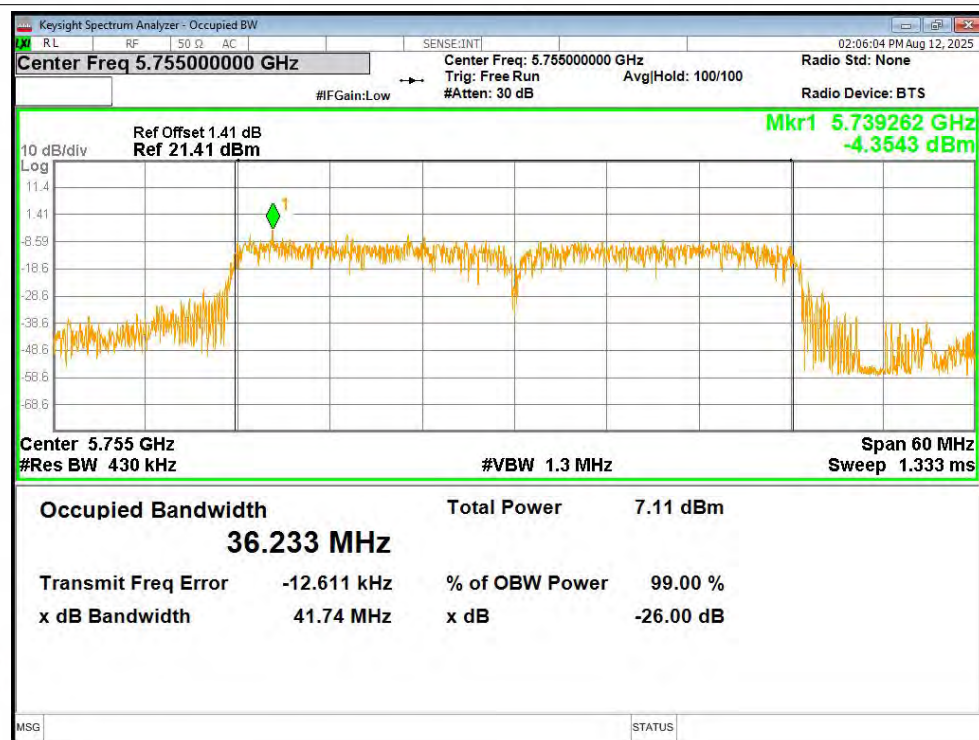
OBW NVNT n20 5785MHz Ant1



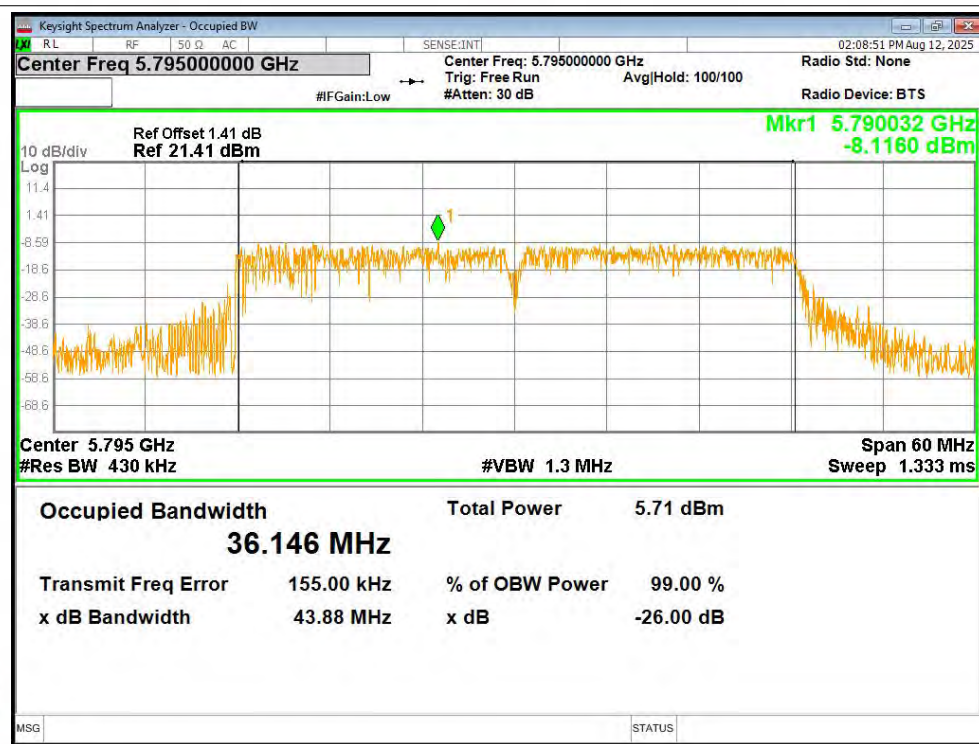
OBW NVNT n20 5825MHz Ant1



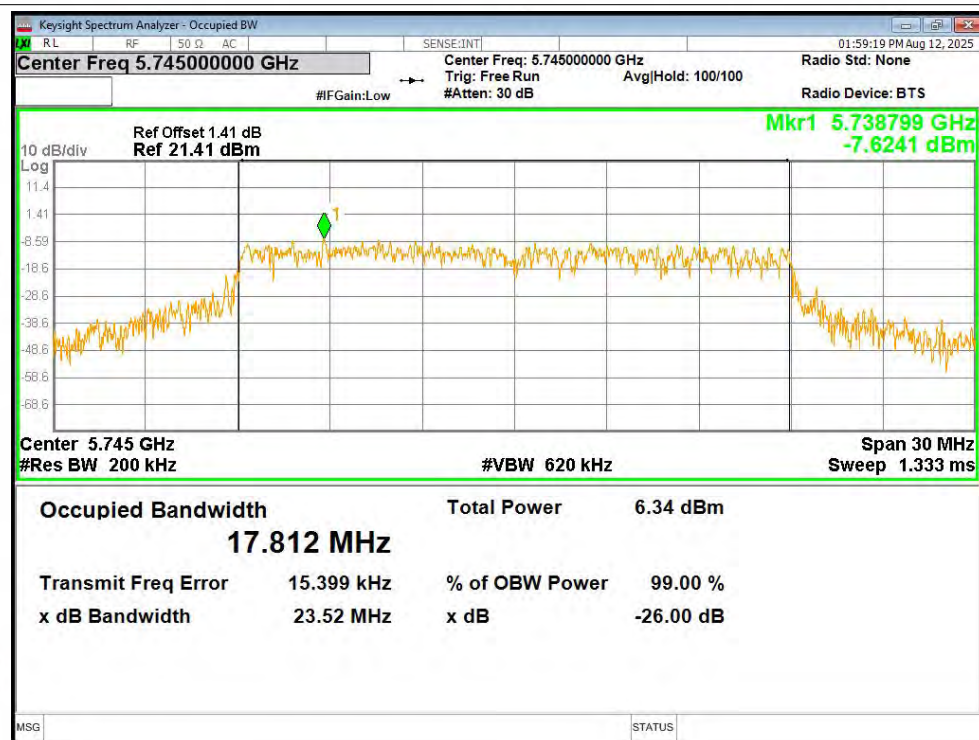
OBW NVNT n40 5755MHz Ant1



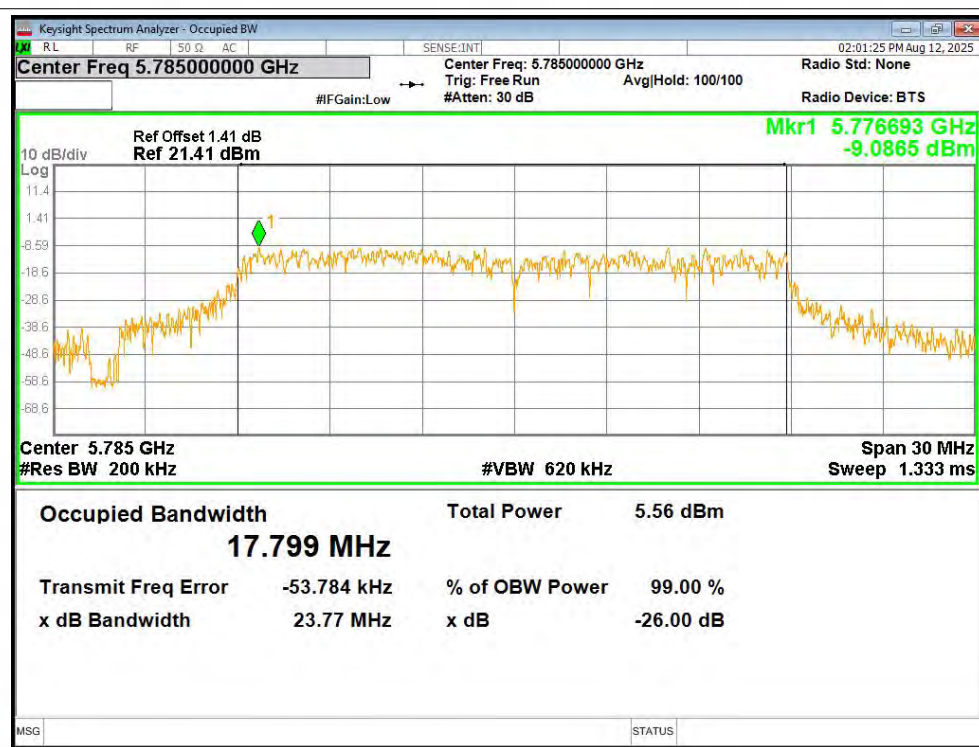
OBW NVNT n40 5795MHz Ant1



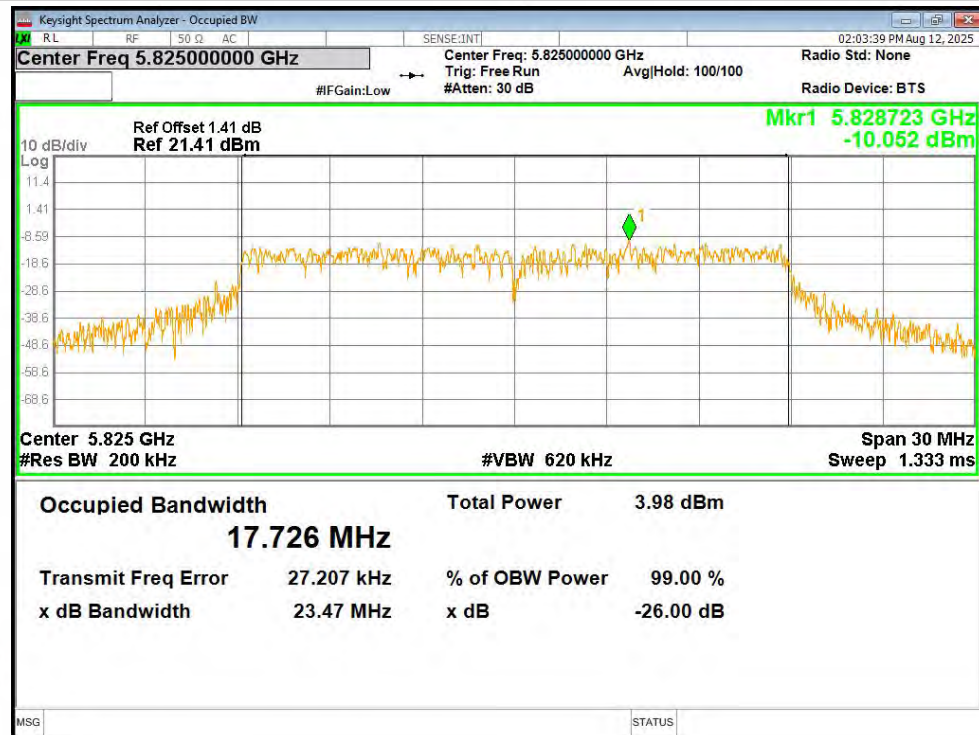
OBW NVNT ac20 5745MHz Ant1



OBW NVNT ac20 5785MHz Ant1



OBW NVNT ac20 5825MHz Ant1



OBW NVNT ac40 5755MHz Ant1

