

# RF Test Data for 5G WiFi (Conducted Measurements)

| General Description of EUT  |                       |
|---|-----------------------|
| <b>Product Name:</b>  | Tablet PC             |
| <b>Test Model:</b>  | SCORE51X              |
| <b>Sample ID:</b>   | RW-C-202211-0239-1-2# |
| Environmental Conditions  |                       |
| <b>Temperature:</b>   | 23.8°C                |
| <b>Relative Humidity:</b>   | 48%                   |
| <b>Test Voltage:</b>  | DC 3.7V               |
| <b>Test Engineer:</b>   | Zhu Dian Yuan         |
| Note: For a more detailed features description, please refer to the report TBR-C-202211-0239-13 |                       |



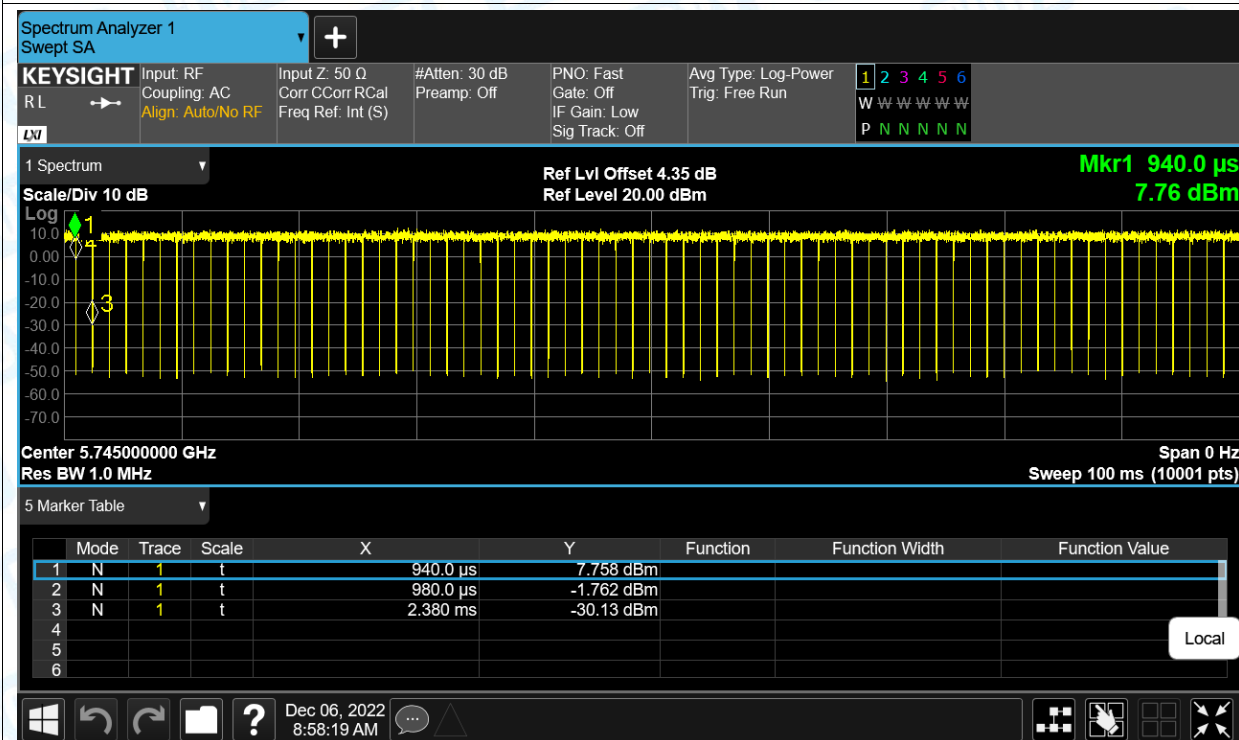
# 1. Duty Cycle

| Condition | Mode      | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|-----------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | a         | 5745            | Ant1    | 97.22          | 0.12                   | 0.71      |
| NVNT      | a         | 5785            | Ant1    | 96.53          | 0.15                   | 0.72      |
| NVNT      | a         | 5825            | Ant1    | 97.2           | 0.12                   | 0.72      |
| NVNT      | ac(VHT20) | 5745            | Ant1    | 97.06          | 0.13                   | 0.76      |
| NVNT      | ac(VHT20) | 5785            | Ant1    | 97.06          | 0.13                   | 0.76      |
| NVNT      | ac(VHT20) | 5825            | Ant1    | 97.06          | 0.13                   | 0.76      |
| NVNT      | ac(VHT40) | 5755            | Ant1    | 94.29          | 0.26                   | 1.52      |
| NVNT      | ac(VHT40) | 5795            | Ant1    | 94.2           | 0.26                   | 1.54      |
| NVNT      | ac(VHT80) | 5775            | Ant1    | 89.19          | 0.5                    | 3.03      |
| NVNT      | n(HT20)   | 5745            | Ant1    | 97.01          | 0.13                   | 0.77      |
| NVNT      | n(HT20)   | 5785            | Ant1    | 96.3           | 0.16                   | 0.77      |
| NVNT      | n(HT20)   | 5825            | Ant1    | 97.01          | 0.13                   | 0.77      |
| NVNT      | n(HT40)   | 5755            | Ant1    | 92.86          | 0.32                   | 1.54      |
| NVNT      | n(HT40)   | 5795            | Ant1    | 94.2           | 0.26                   | 1.54      |

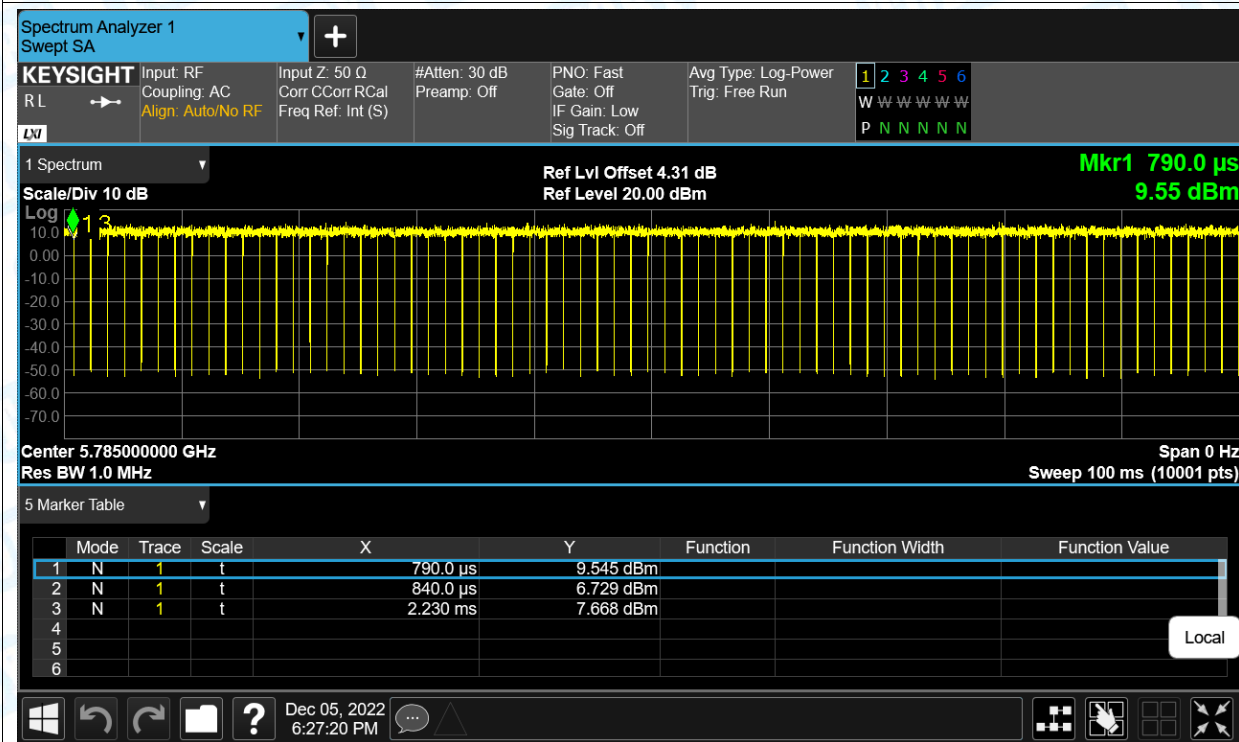
**Note:**  $Duty\ Cycle(\%) = \frac{ON(ms)}{ON(ms)+OFF(ms)}$   
 $ON(ms) = Maker3 - Maker2$   
 $(ON(ms)+OFF(ms)) = Maker3 - Maker1$

Test Graphs

Duty Cycle NVNT a 5745MHz Ant1

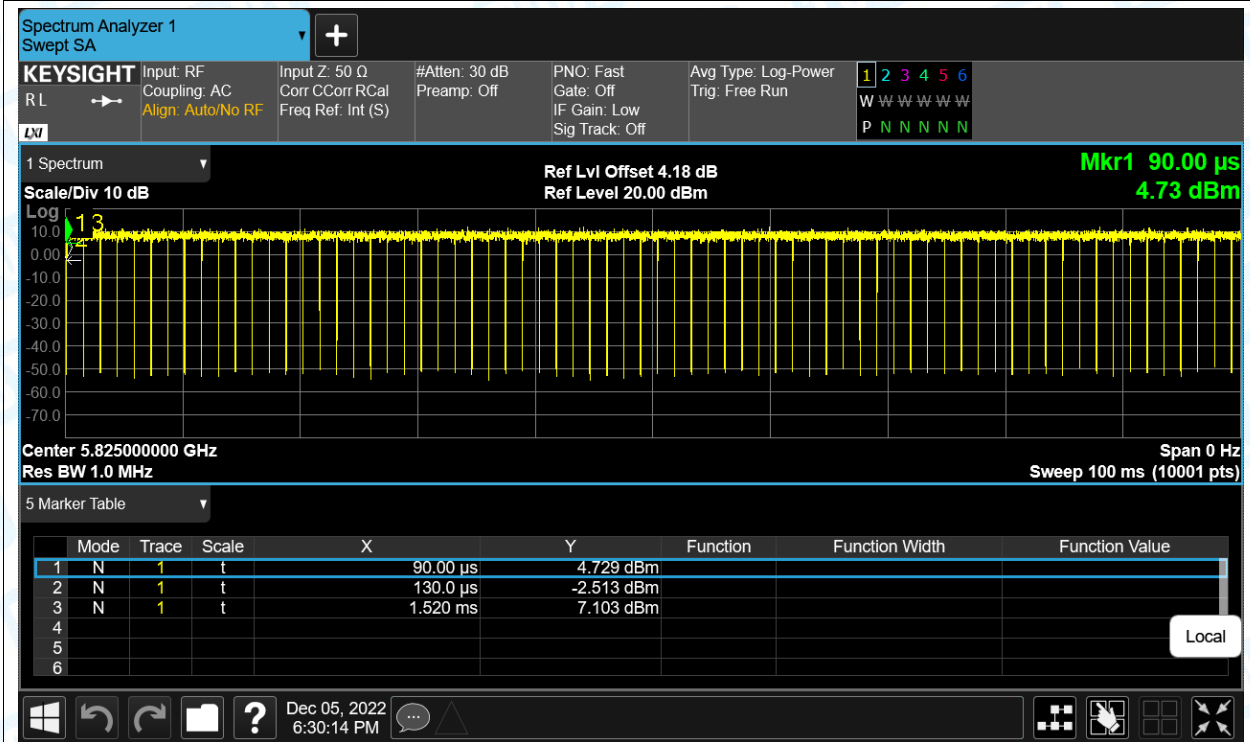


Duty Cycle NVNT a 5785MHz Ant1

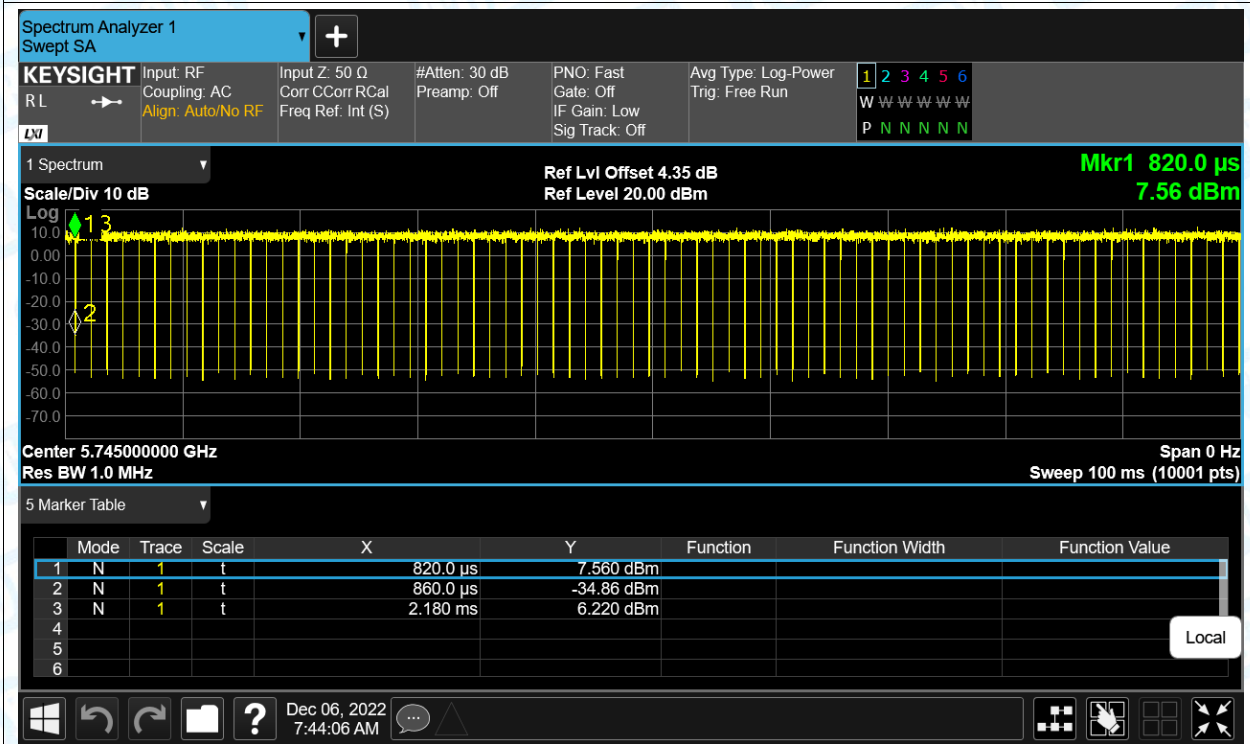




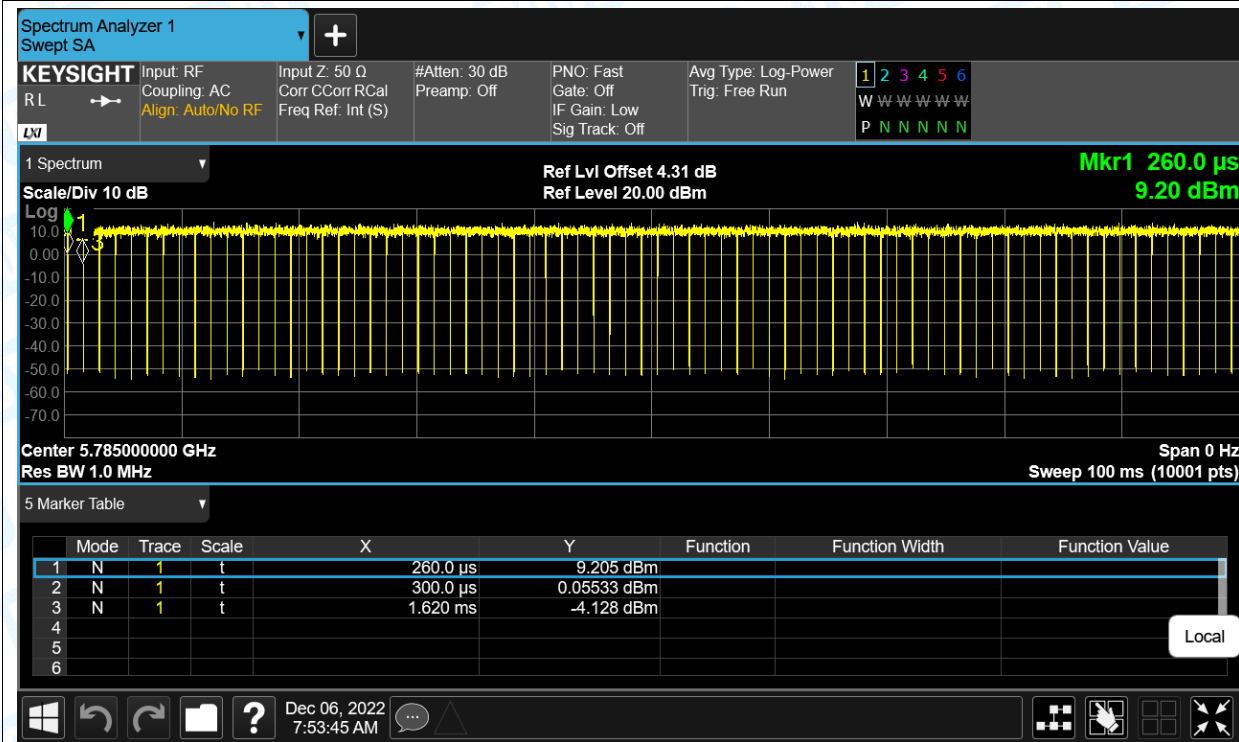
Duty Cycle NVNT a 5825MHz Ant1



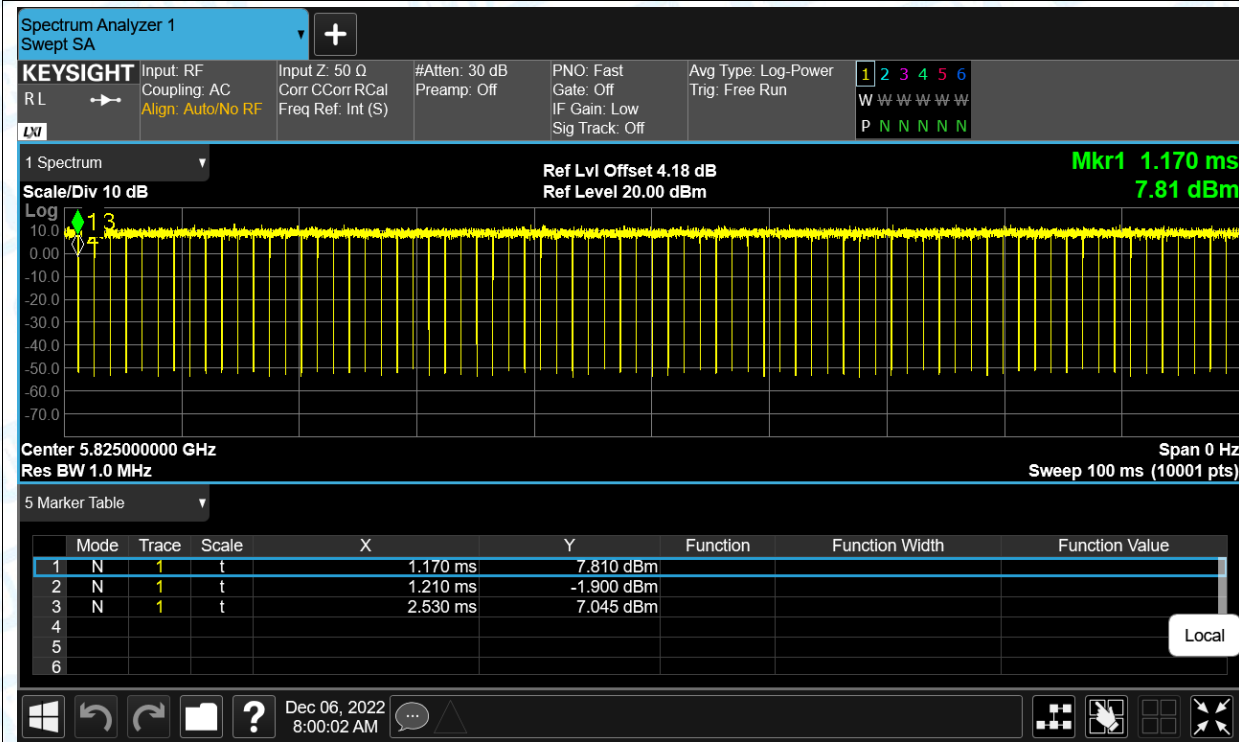
Duty Cycle NVNT ac(VHT20) 5745MHz Ant1



Duty Cycle NVNT ac(VHT20) 5785MHz Ant1

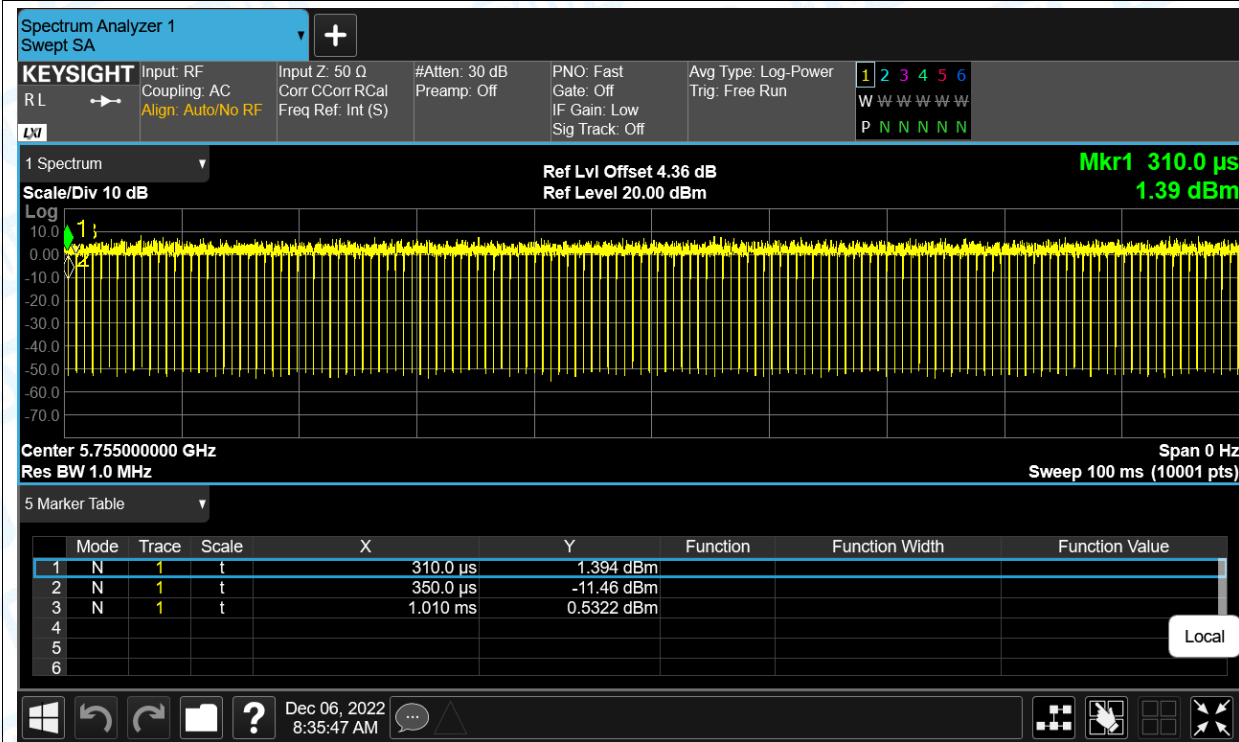


Duty Cycle NVNT ac(VHT20) 5825MHz Ant1

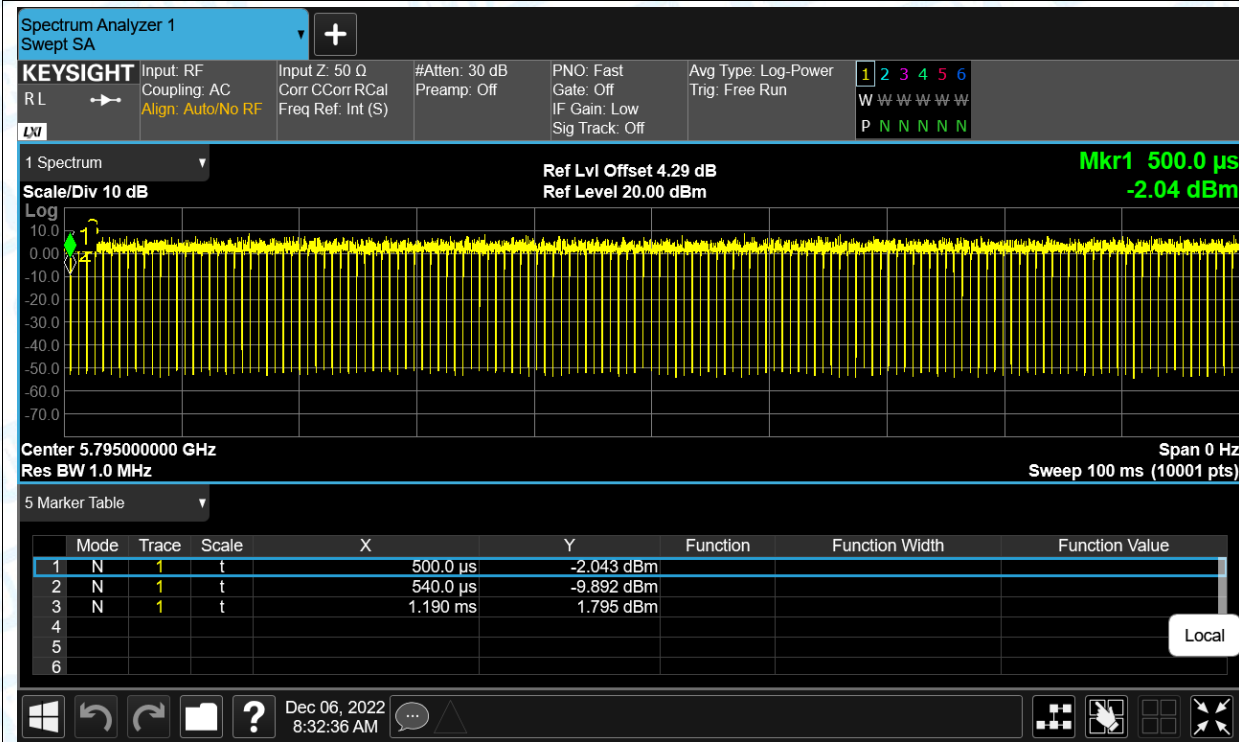




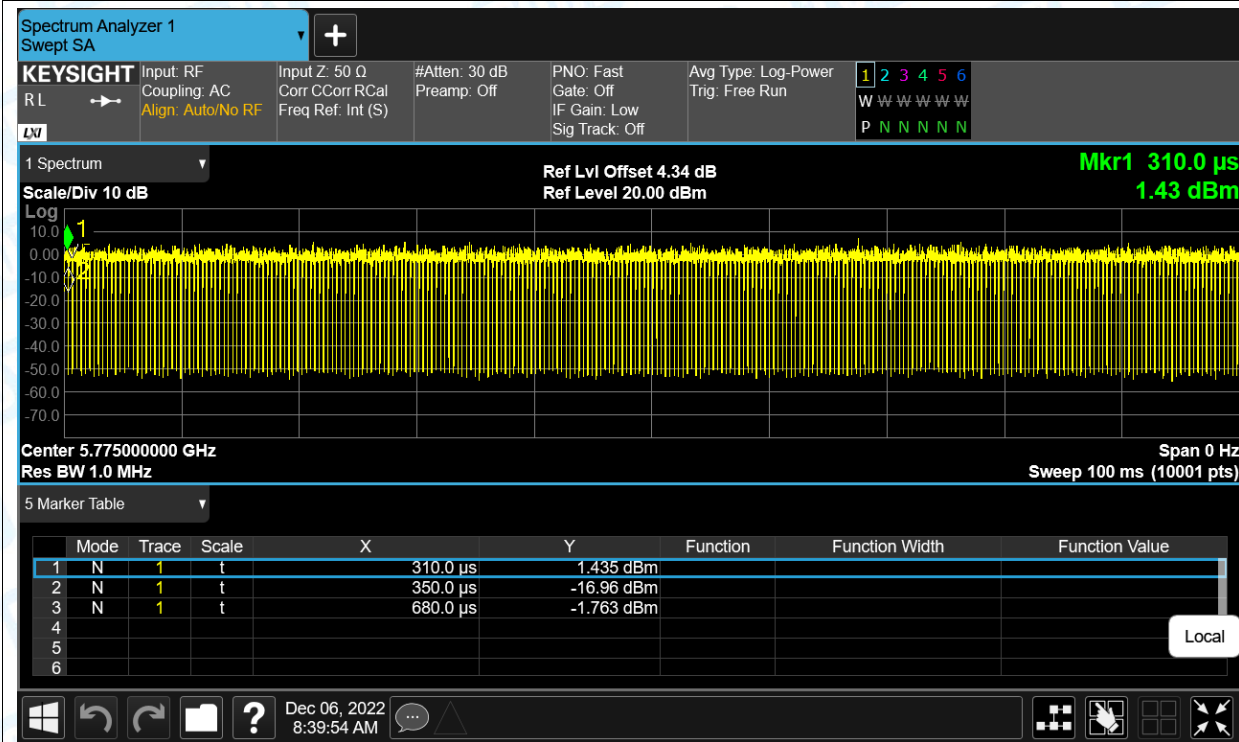
Duty Cycle NVNT ac(VHT40) 5755MHz Ant1



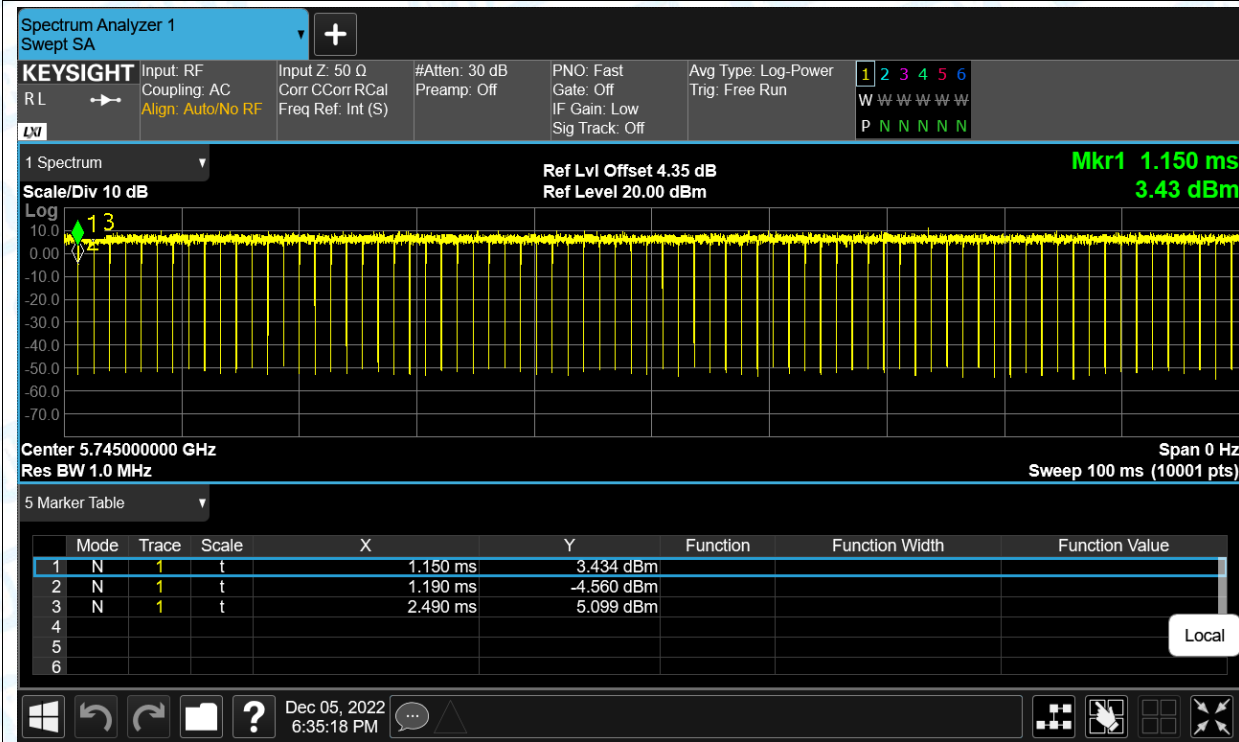
Duty Cycle NVNT ac(VHT40) 5795MHz Ant1



Duty Cycle NVNT ac(VHT80) 5775MHz Ant1

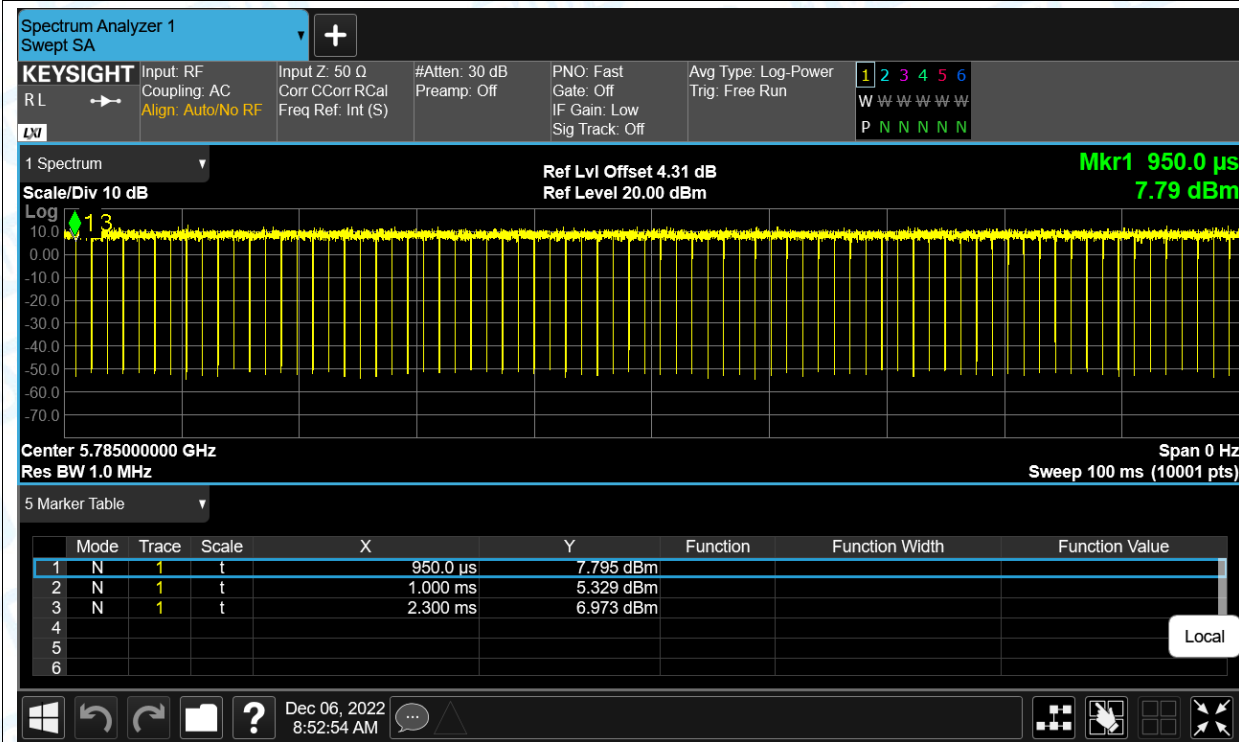


Duty Cycle NVNT n(HT20) 5745MHz Ant1

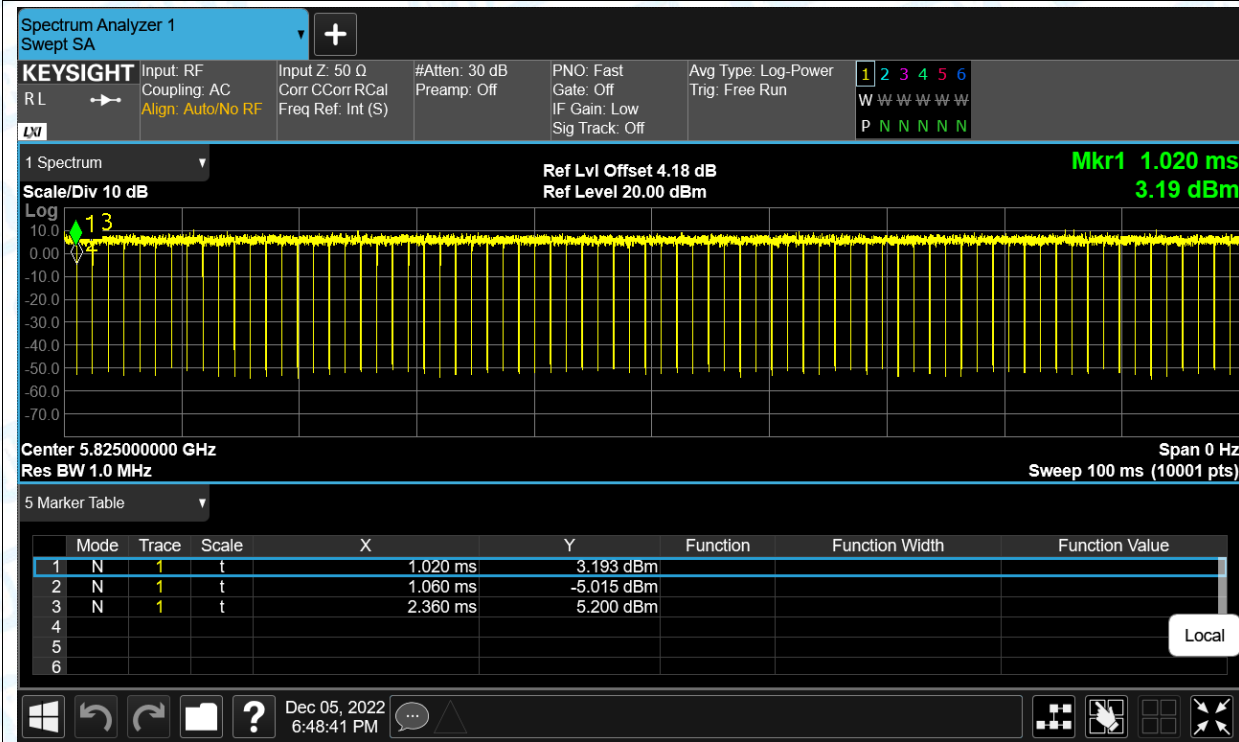




Duty Cycle NVNT n(HT20) 5785MHz Ant1

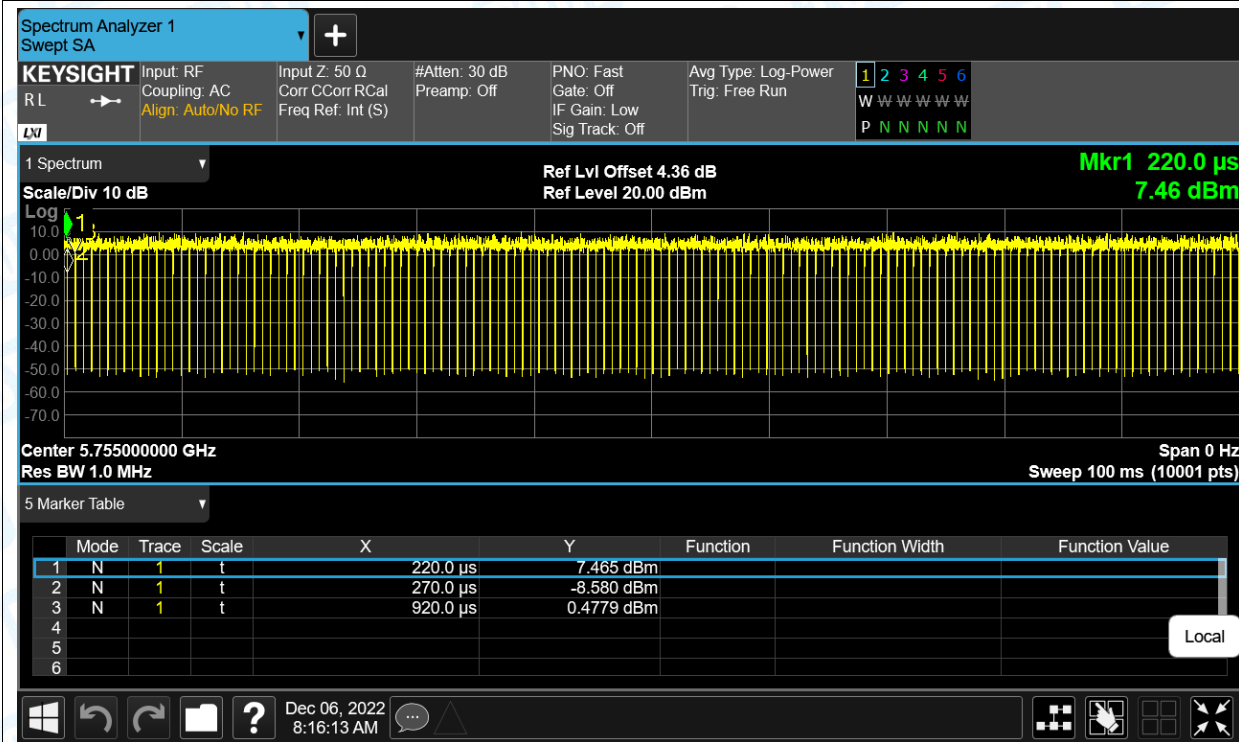


Duty Cycle NVNT n(HT20) 5825MHz Ant1

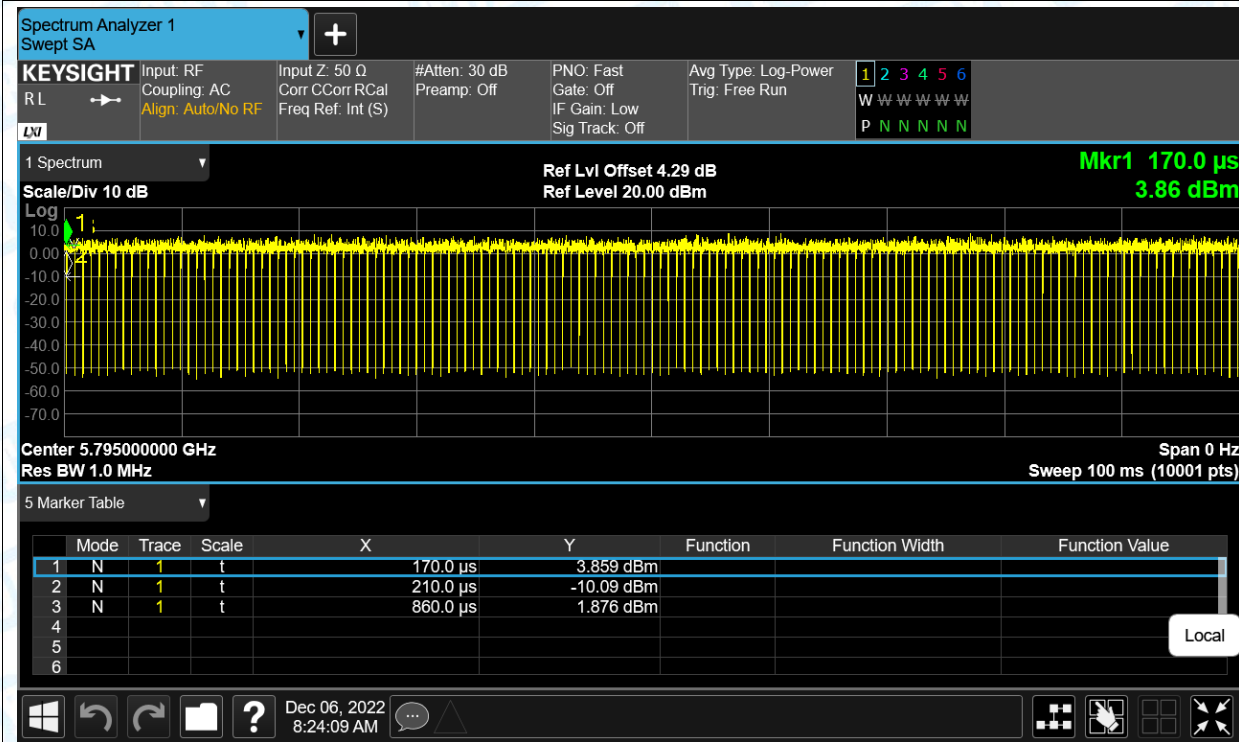




Duty Cycle NVNT n(HT40) 5755MHz Ant1



Duty Cycle NVNT n(HT40) 5795MHz Ant1



## 2. Maximum Conducted Output Power

| Condition | Mode      | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|-----------|-----------------|---------|-----------------------|-------------|---------|
| NVNT      | a         | 5745            | Ant1    | 16.16                 | 30          | Pass    |
| NVNT      | a         | 5785            | Ant1    | 16.64                 | 30          | Pass    |
| NVNT      | a         | 5825            | Ant1    | 16.81                 | 30          | Pass    |
| NVNT      | ac(VHT20) | 5745            | Ant1    | 16.59                 | 30          | Pass    |
| NVNT      | ac(VHT20) | 5785            | Ant1    | 16.43                 | 30          | Pass    |
| NVNT      | ac(VHT20) | 5825            | Ant1    | 15.52                 | 30          | Pass    |
| NVNT      | ac(VHT40) | 5755            | Ant1    | 15.01                 | 30          | Pass    |
| NVNT      | ac(VHT40) | 5795            | Ant1    | 15.30                 | 30          | Pass    |
| NVNT      | ac(VHT80) | 5775            | Ant1    | 14.25                 | 30          | Pass    |
| NVNT      | n(HT20)   | 5745            | Ant1    | 16.13                 | 30          | Pass    |
| NVNT      | n(HT20)   | 5785            | Ant1    | 15.56                 | 30          | Pass    |
| NVNT      | n(HT20)   | 5825            | Ant1    | 16.14                 | 30          | Pass    |
| NVNT      | n(HT40)   | 5755            | Ant1    | 15.77                 | 30          | Pass    |
| NVNT      | n(HT40)   | 5795            | Ant1    | 15.57                 | 30          | Pass    |

Note: The Duty Cycle Factor and RBW Factor is compensated in the graph.

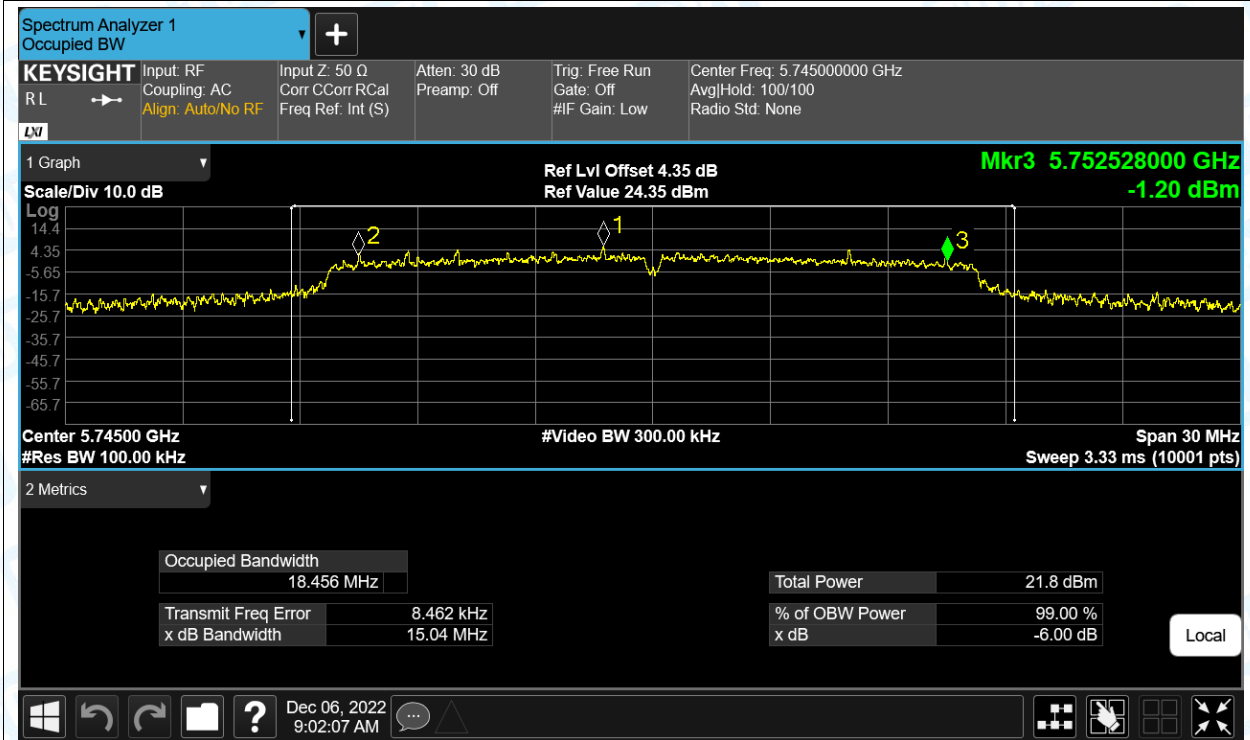


### 3. -6dB Bandwidth

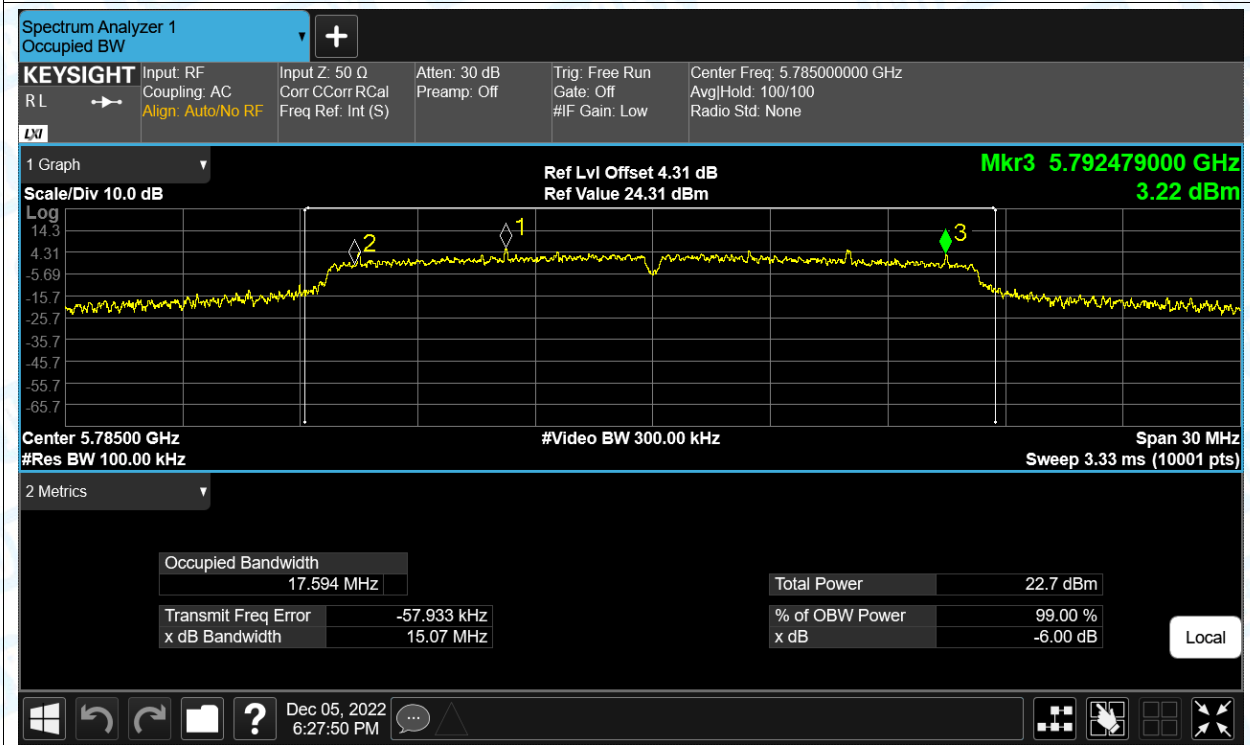
| Condition | Mode      | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|-----------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | a         | 5745            | Ant1    | 15.04                 | 0.5                         | Pass    |
| NVNT      | a         | 5785            | Ant1    | 15.07                 | 0.5                         | Pass    |
| NVNT      | a         | 5825            | Ant1    | 13.81                 | 0.5                         | Pass    |
| NVNT      | ac(VHT20) | 5745            | Ant1    | 15.07                 | 0.5                         | Pass    |
| NVNT      | ac(VHT20) | 5785            | Ant1    | 14.98                 | 0.5                         | Pass    |
| NVNT      | ac(VHT20) | 5825            | Ant1    | 15.07                 | 0.5                         | Pass    |
| NVNT      | ac(VHT40) | 5755            | Ant1    | 33.87                 | 0.5                         | Pass    |
| NVNT      | ac(VHT40) | 5795            | Ant1    | 35.1                  | 0.5                         | Pass    |
| NVNT      | ac(VHT80) | 5775            | Ant1    | 75.1                  | 0.5                         | Pass    |
| NVNT      | n(HT20)   | 5745            | Ant1    | 15.02                 | 0.5                         | Pass    |
| NVNT      | n(HT20)   | 5785            | Ant1    | 12.65                 | 0.5                         | Pass    |
| NVNT      | n(HT20)   | 5825            | Ant1    | 16.65                 | 0.5                         | Pass    |
| NVNT      | n(HT40)   | 5755            | Ant1    | 35.07                 | 0.5                         | Pass    |
| NVNT      | n(HT40)   | 5795            | Ant1    | 33.84                 | 0.5                         | Pass    |

Test Graphs

-6dB Bandwidth NVNT a 5745MHz Ant1

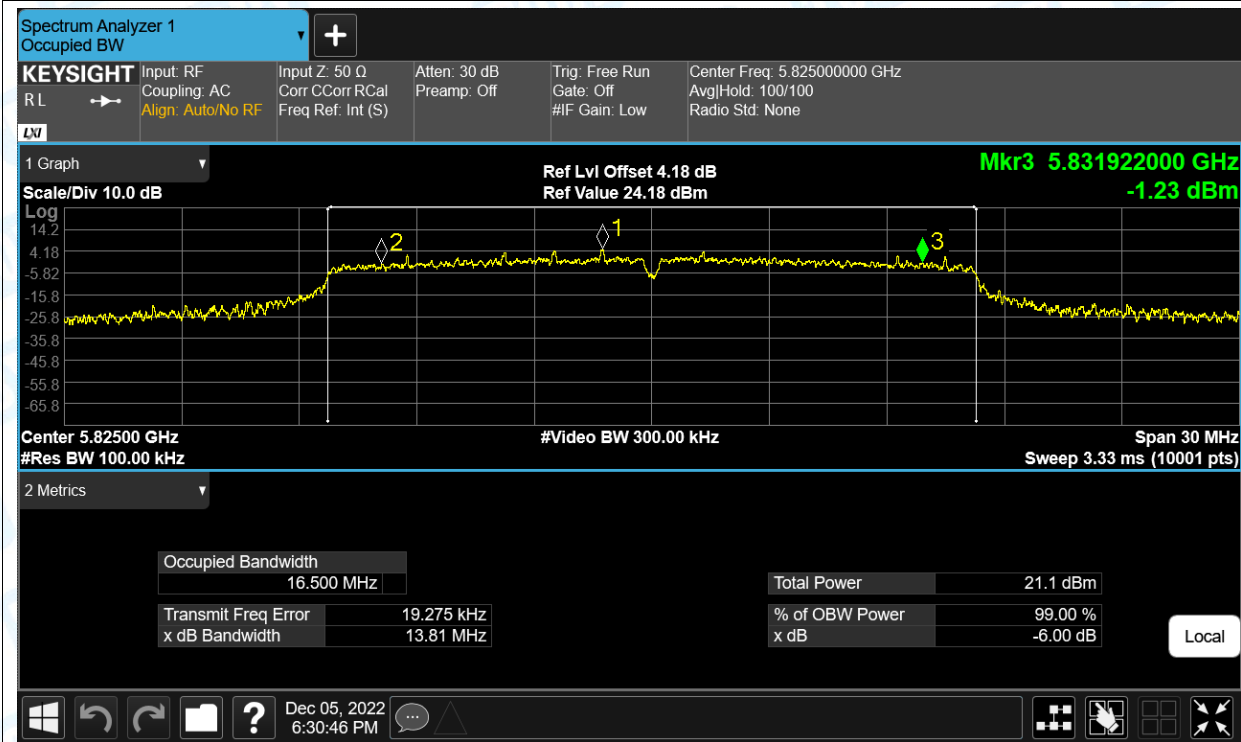


-6dB Bandwidth NVNT a 5785MHz Ant1

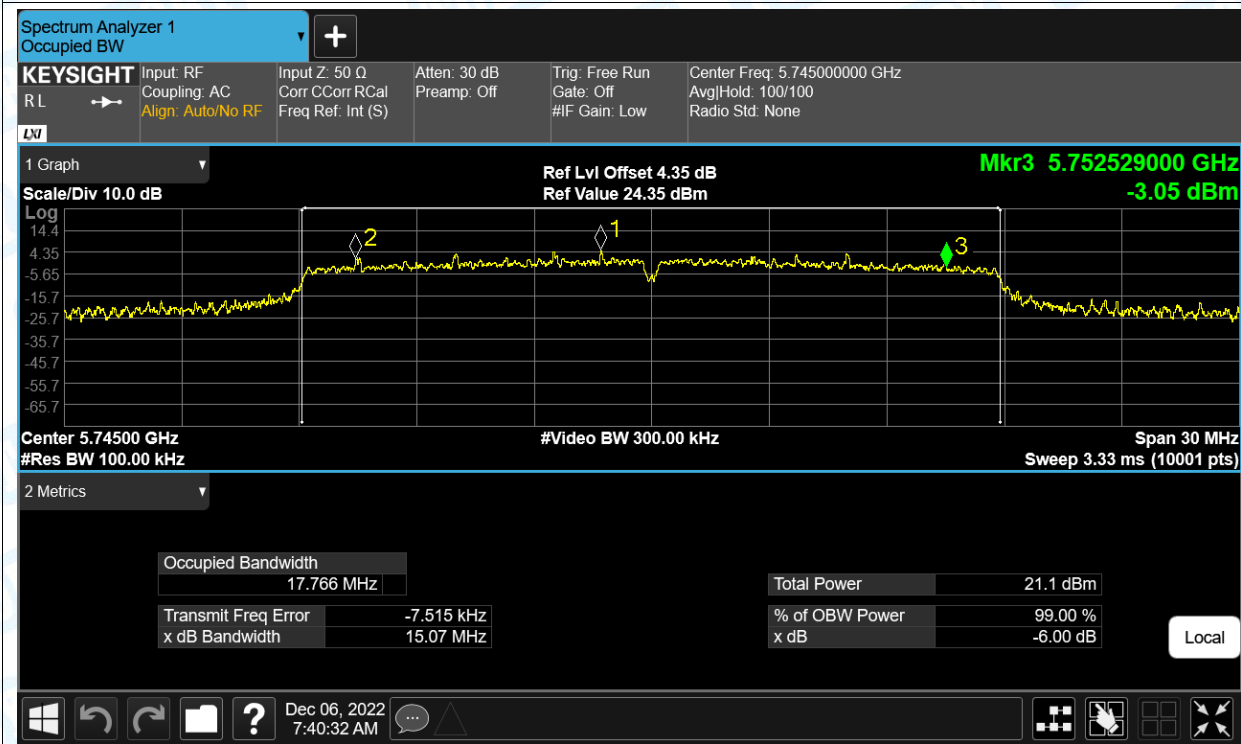




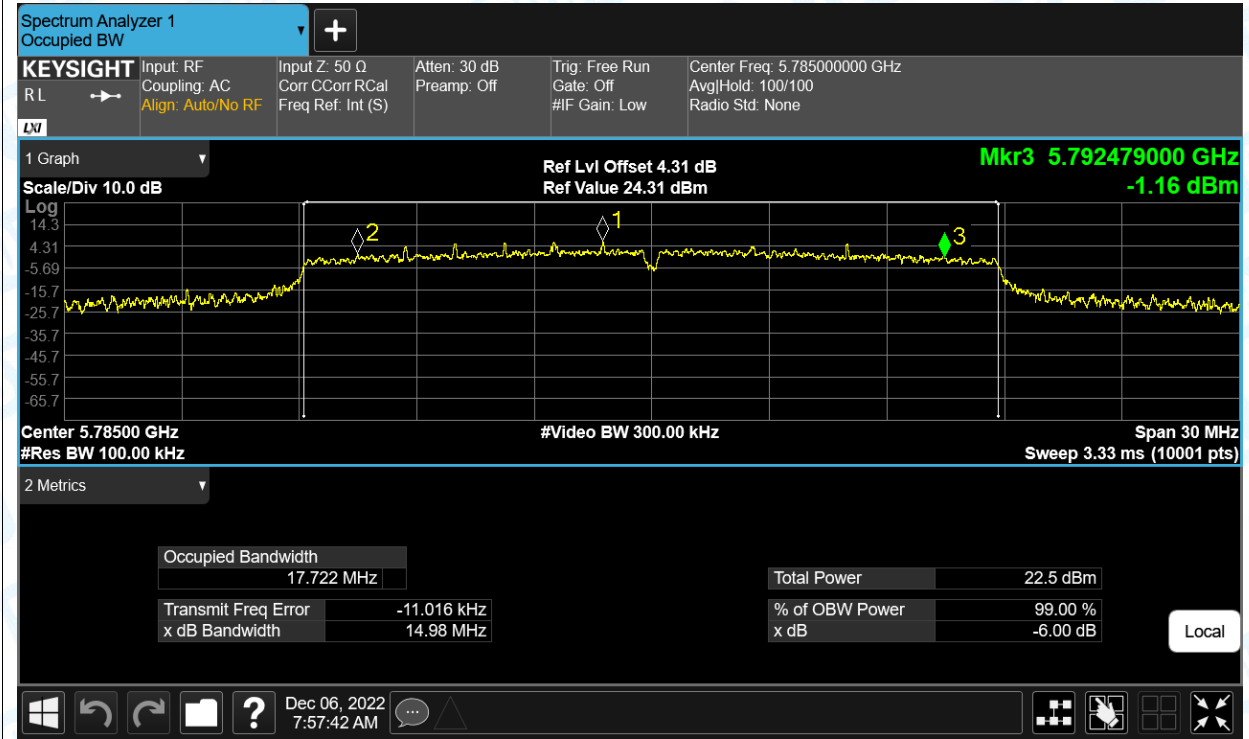
-6dB Bandwidth NVNT a 5825MHz Ant1



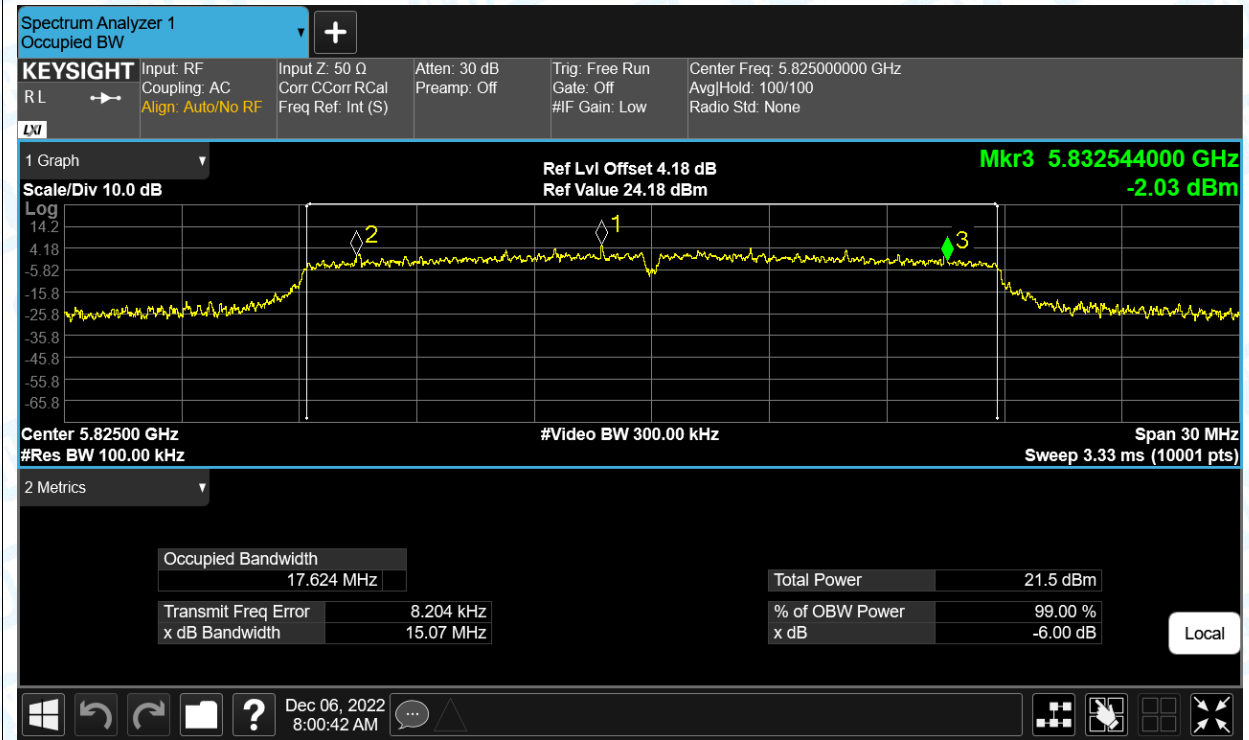
-6dB Bandwidth NVNT ac(VHT20) 5745MHz Ant1



-6dB Bandwidth NVNT ac(VHT20) 5785MHz Ant1

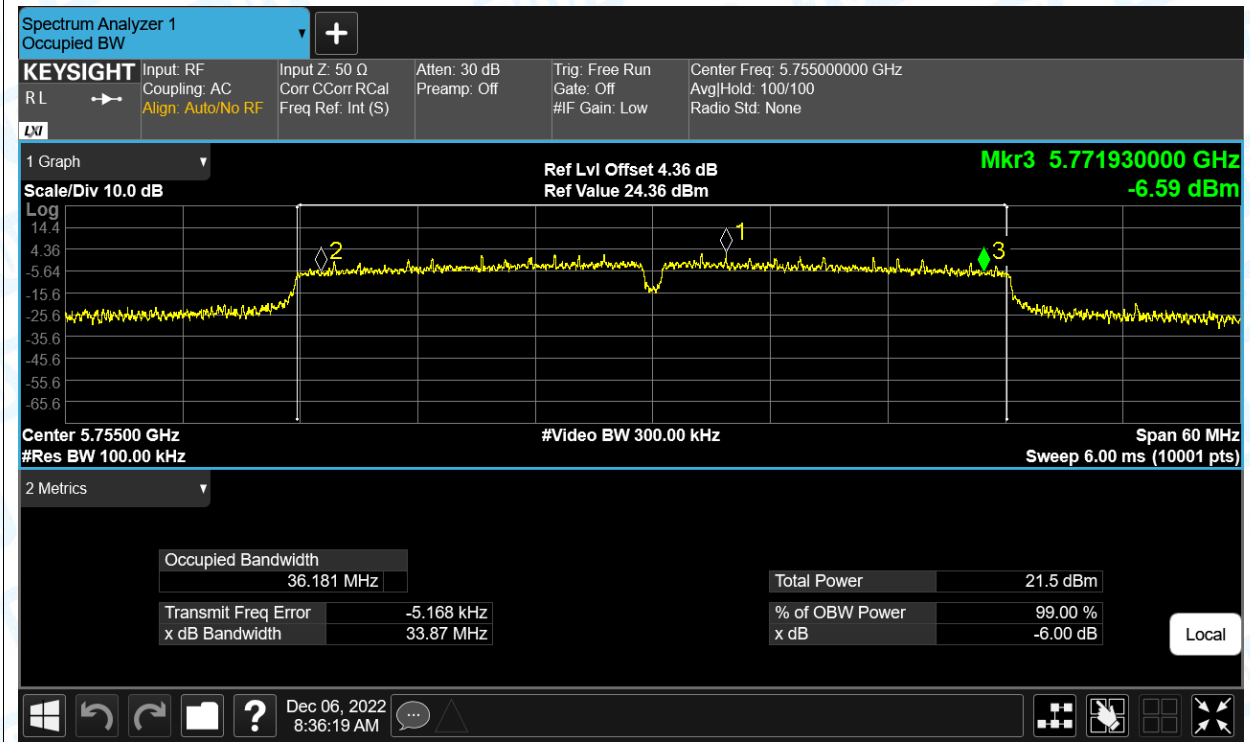


-6dB Bandwidth NVNT ac(VHT20) 5825MHz Ant1

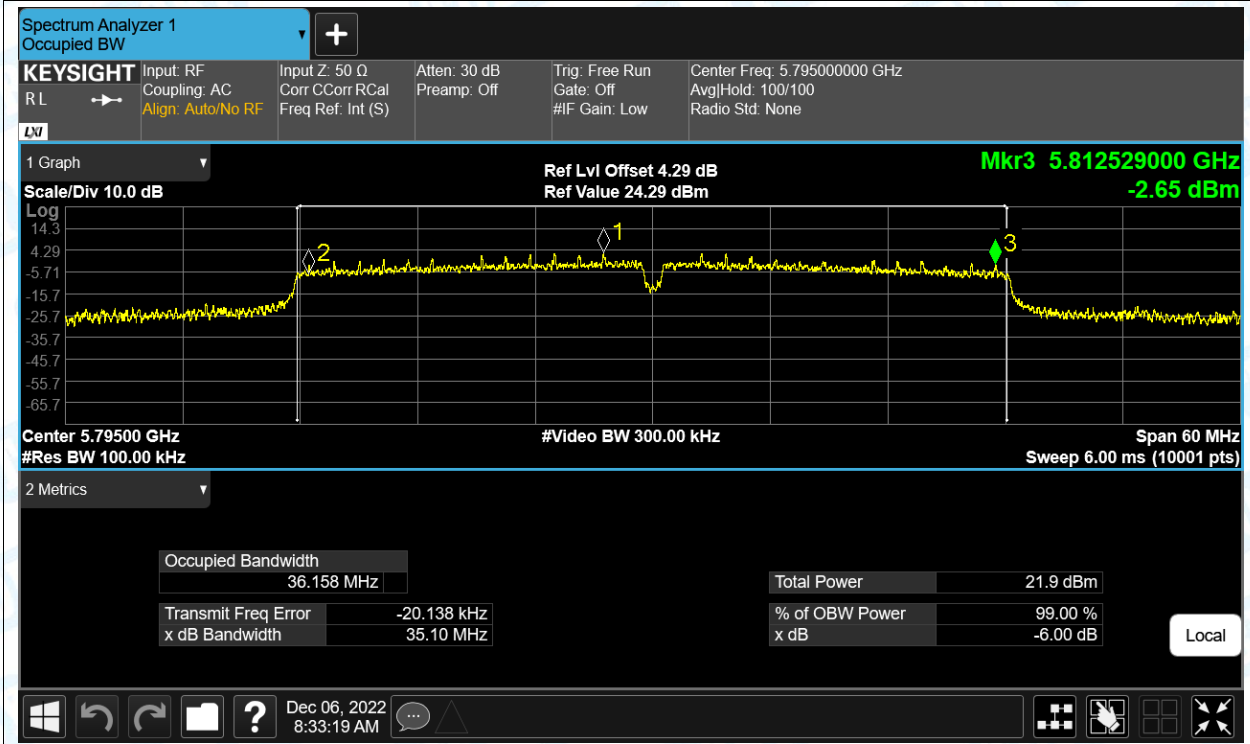




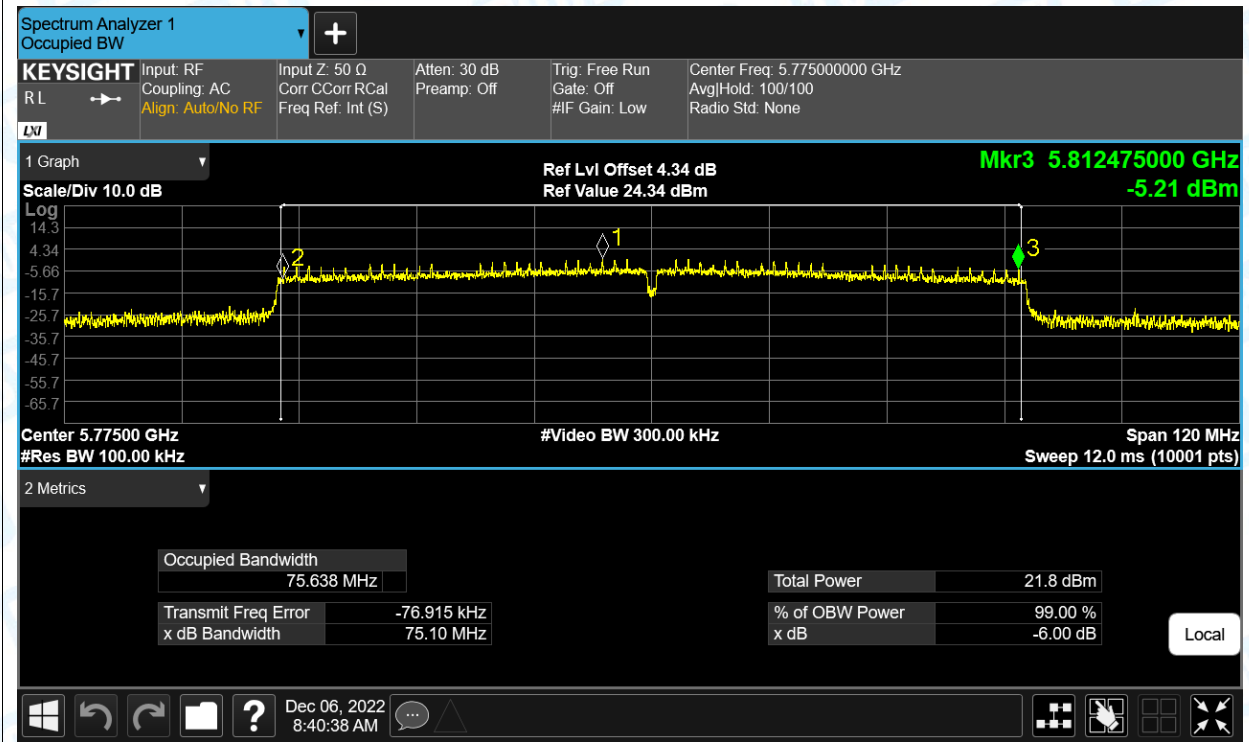
-6dB Bandwidth NVNT ac(VHT40) 5755MHz Ant1



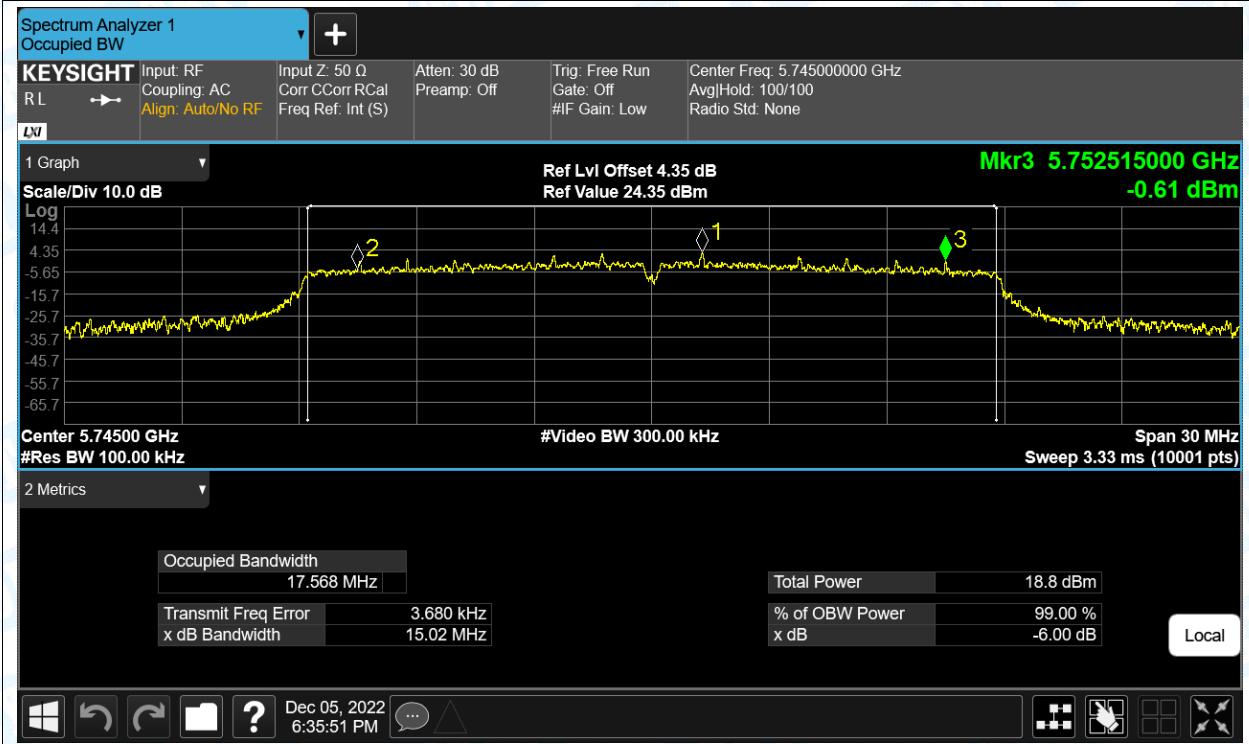
-6dB Bandwidth NVNT ac(VHT40) 5795MHz Ant1



-6dB Bandwidth NVNT ac(VHT80) 5775MHz Ant1

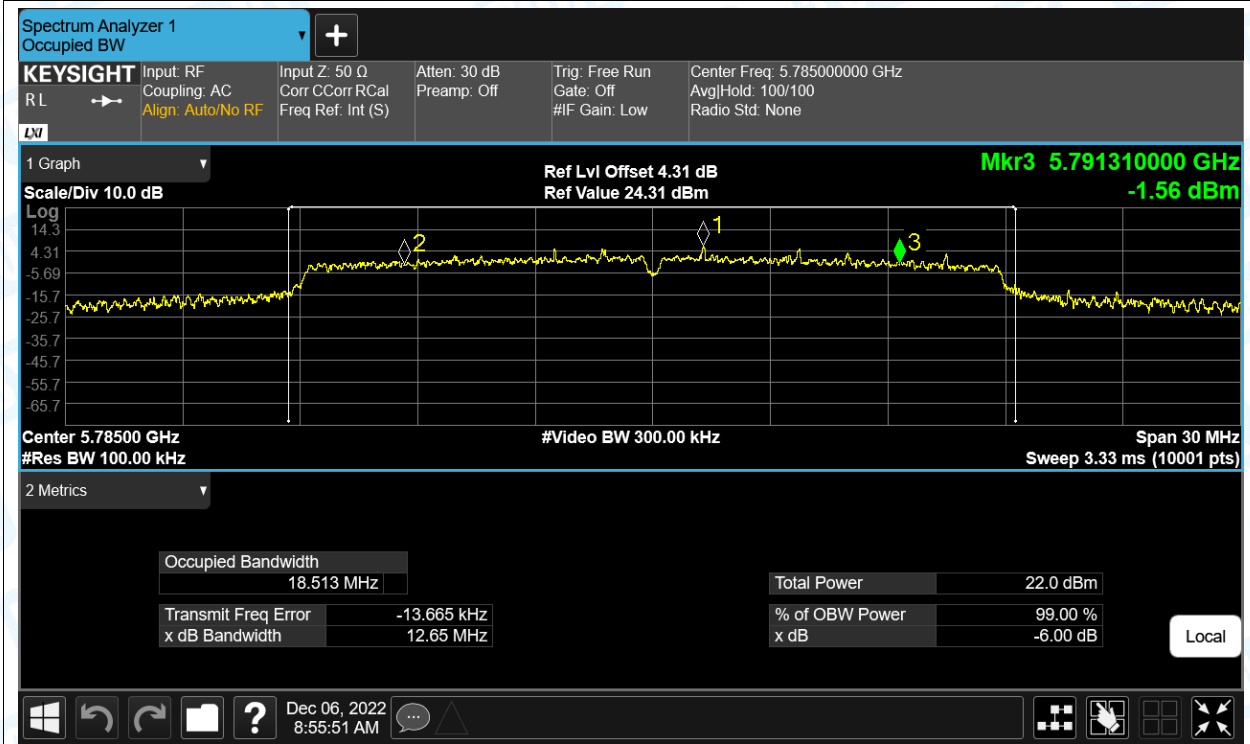


-6dB Bandwidth NVNT n(HT20) 5745MHz Ant1

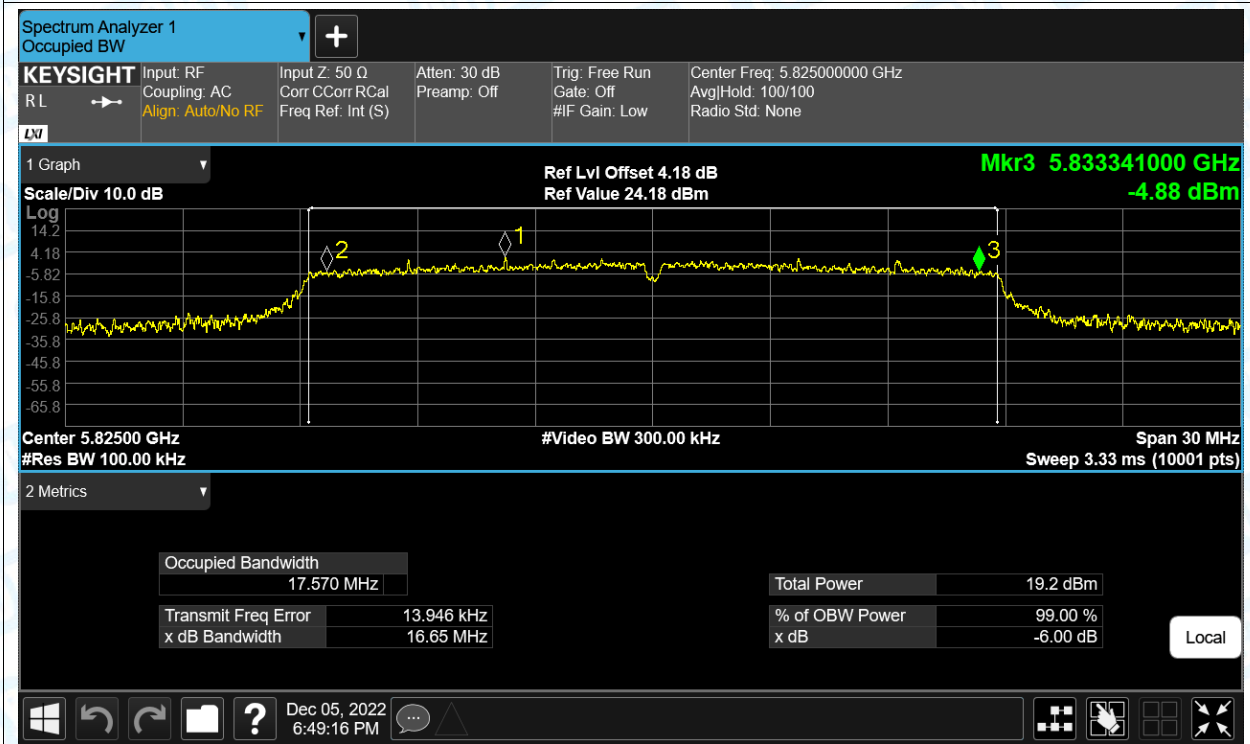




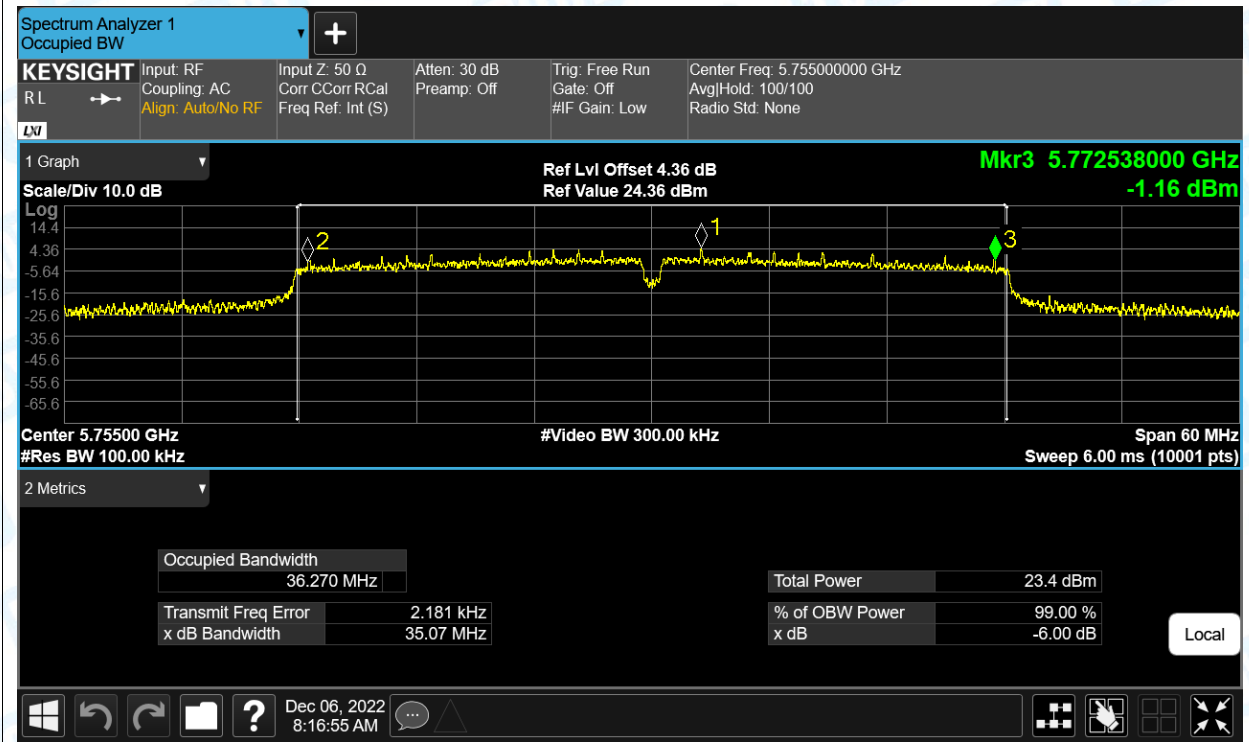
-6dB Bandwidth NVNT n(HT20) 5785MHz Ant1



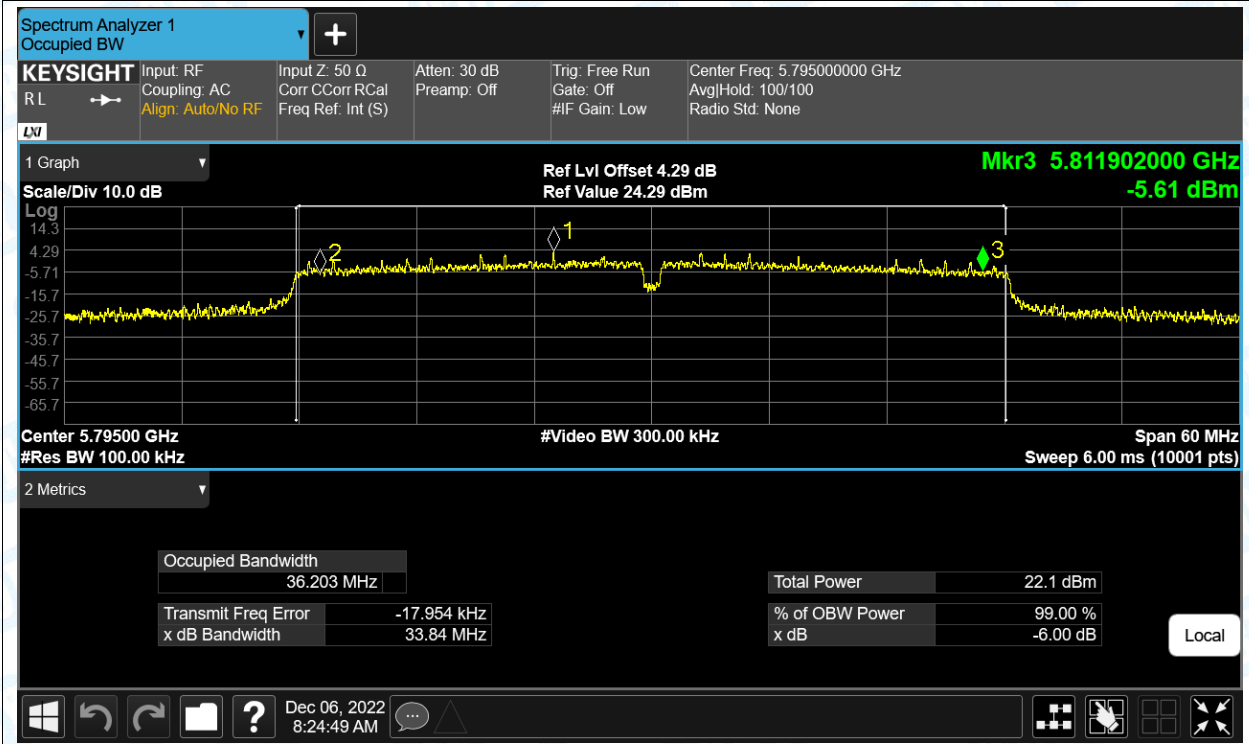
-6dB Bandwidth NVNT n(HT20) 5825MHz Ant1



-6dB Bandwidth NVNT n(HT40) 5755MHz Ant1



-6dB Bandwidth NVNT n(HT40) 5795MHz Ant1



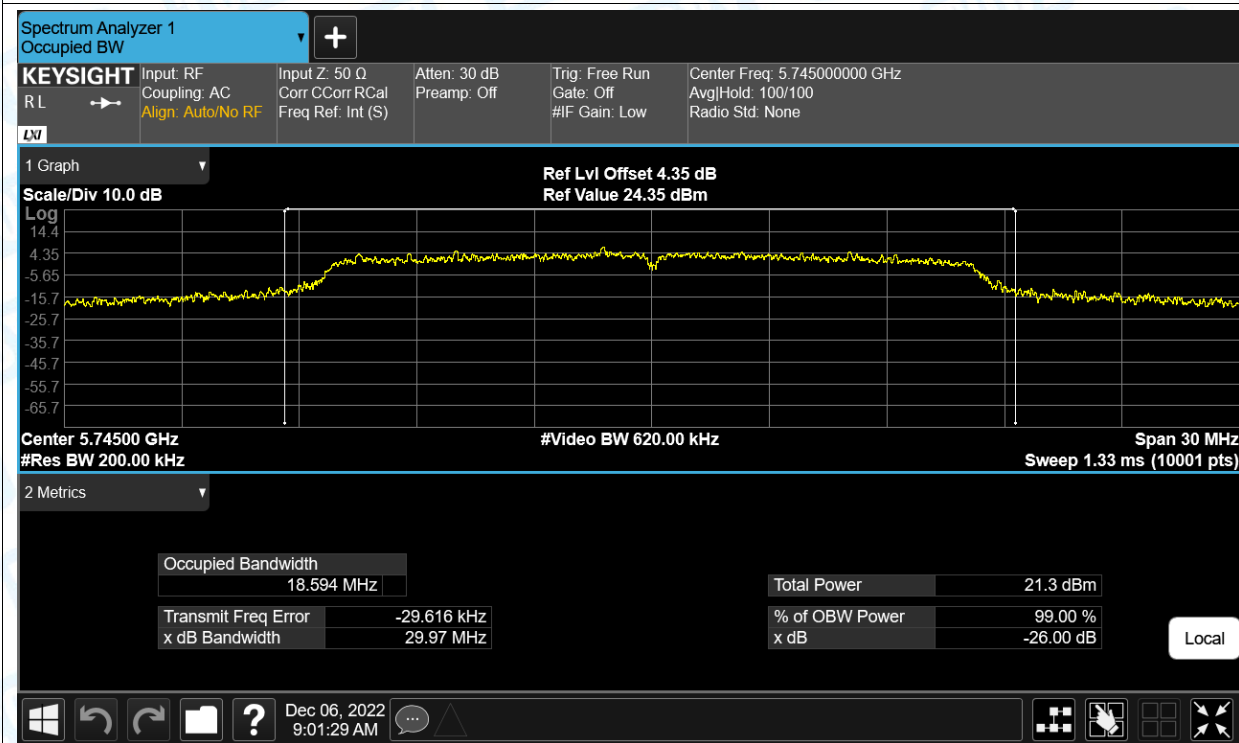


## 4. Occupied Channel Bandwidth

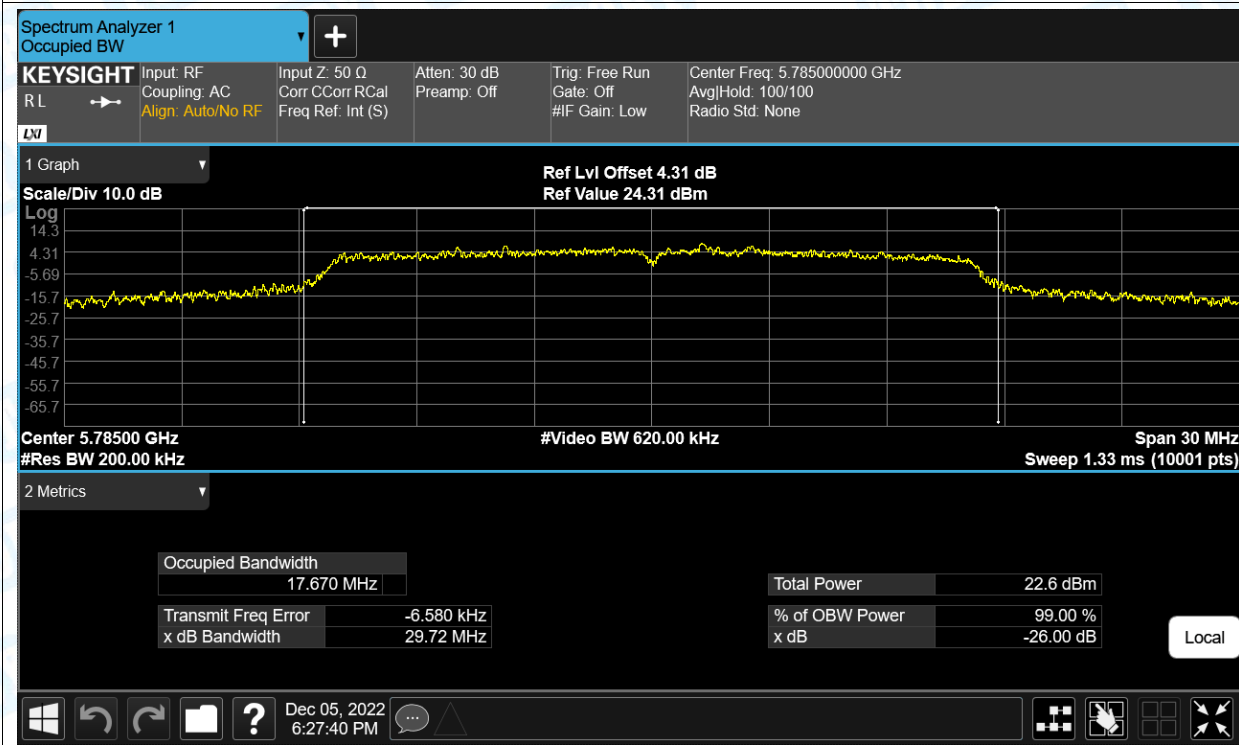
| Condition | Mode      | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|-----------|-----------------|---------|---------------|
| NVNT      | a         | 5745            | Ant1    | 18.594        |
| NVNT      | a         | 5785            | Ant1    | 17.67         |
| NVNT      | a         | 5825            | Ant1    | 16.63         |
| NVNT      | ac(VHT20) | 5745            | Ant1    | 17.942        |
| NVNT      | ac(VHT20) | 5785            | Ant1    | 18.242        |
| NVNT      | ac(VHT20) | 5825            | Ant1    | 17.679        |
| NVNT      | ac(VHT40) | 5755            | Ant1    | 36.389        |
| NVNT      | ac(VHT40) | 5795            | Ant1    | 36.386        |
| NVNT      | ac(VHT80) | 5775            | Ant1    | 75.778        |
| NVNT      | n(HT20)   | 5745            | Ant1    | 17.602        |
| NVNT      | n(HT20)   | 5785            | Ant1    | 17.747        |
| NVNT      | n(HT20)   | 5825            | Ant1    | 17.626        |
| NVNT      | n(HT40)   | 5755            | Ant1    | 36.522        |
| NVNT      | n(HT40)   | 5795            | Ant1    | 36.344        |

Test Graphs

OBW NVNT a 5745MHz Ant1

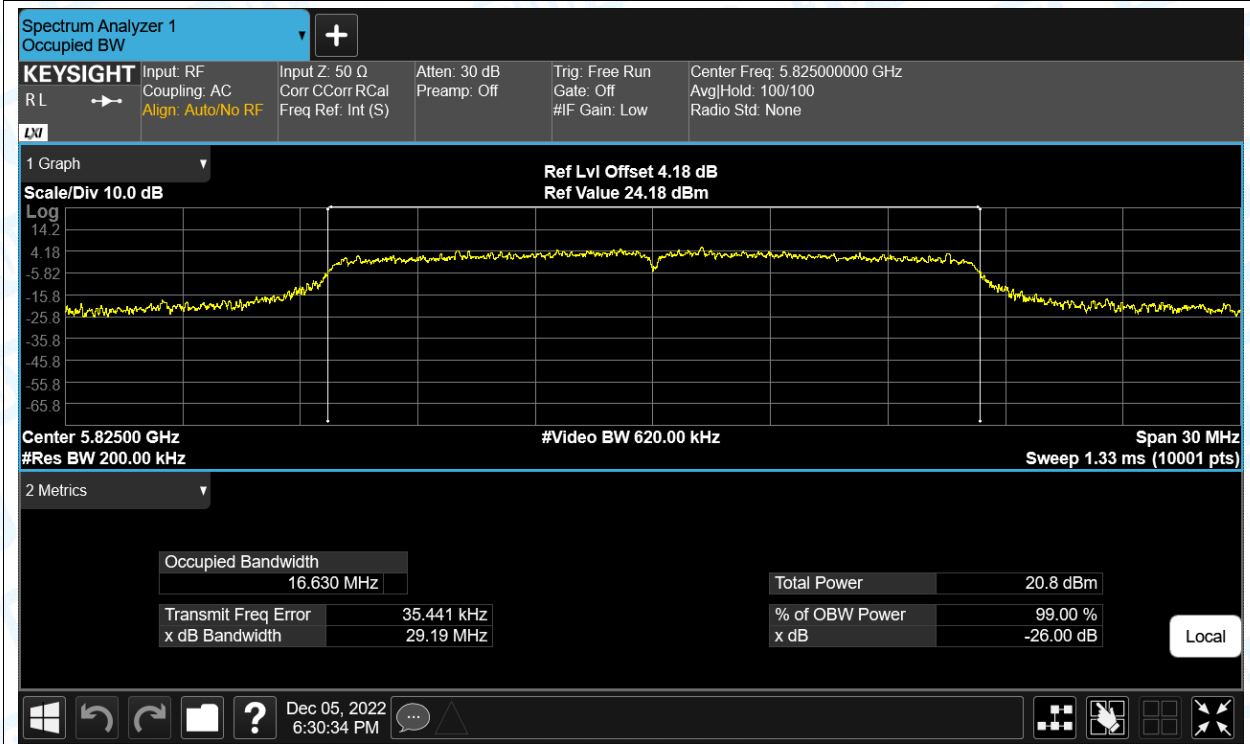


OBW NVNT a 5785MHz Ant1

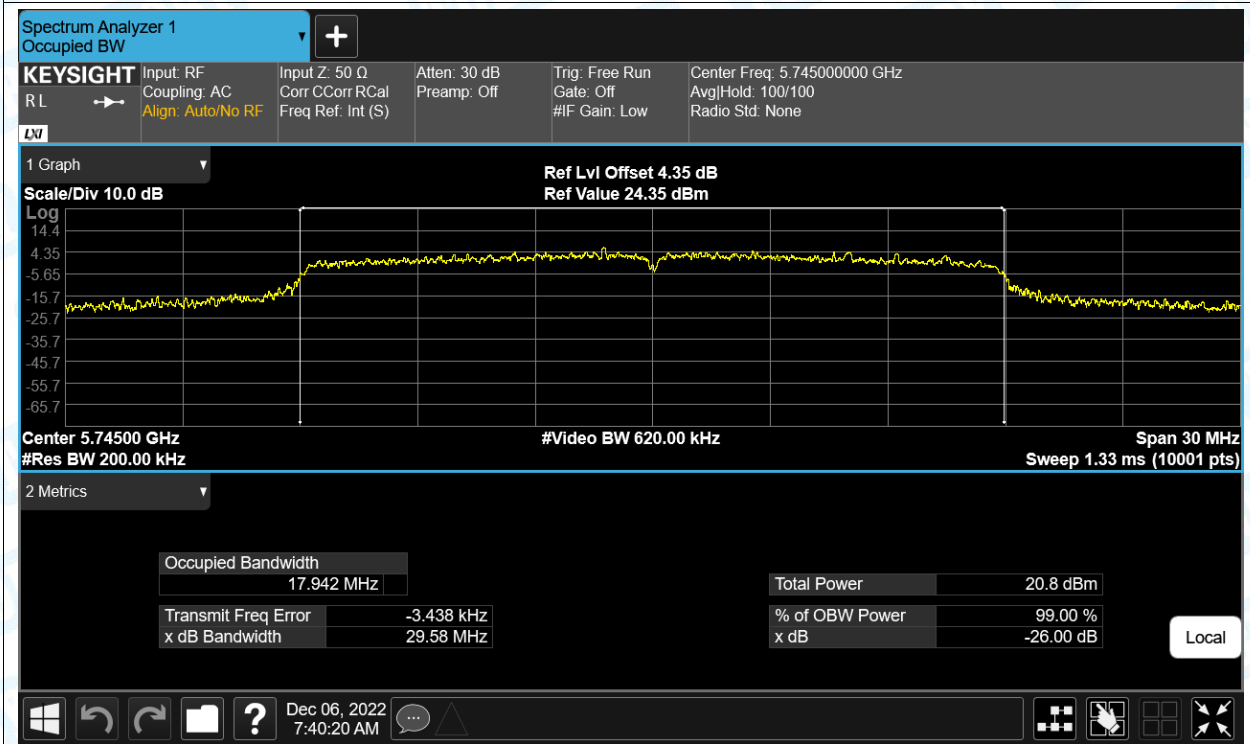




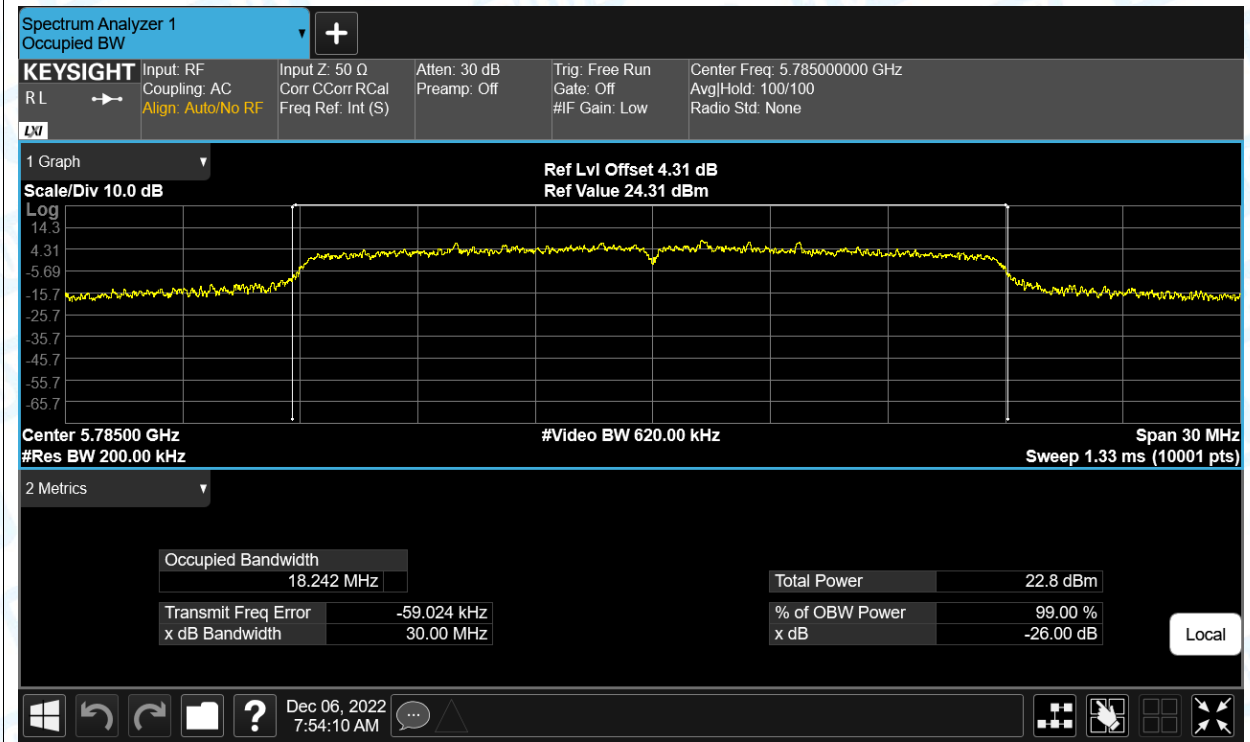
OBW NVNT a 5825MHz Ant1



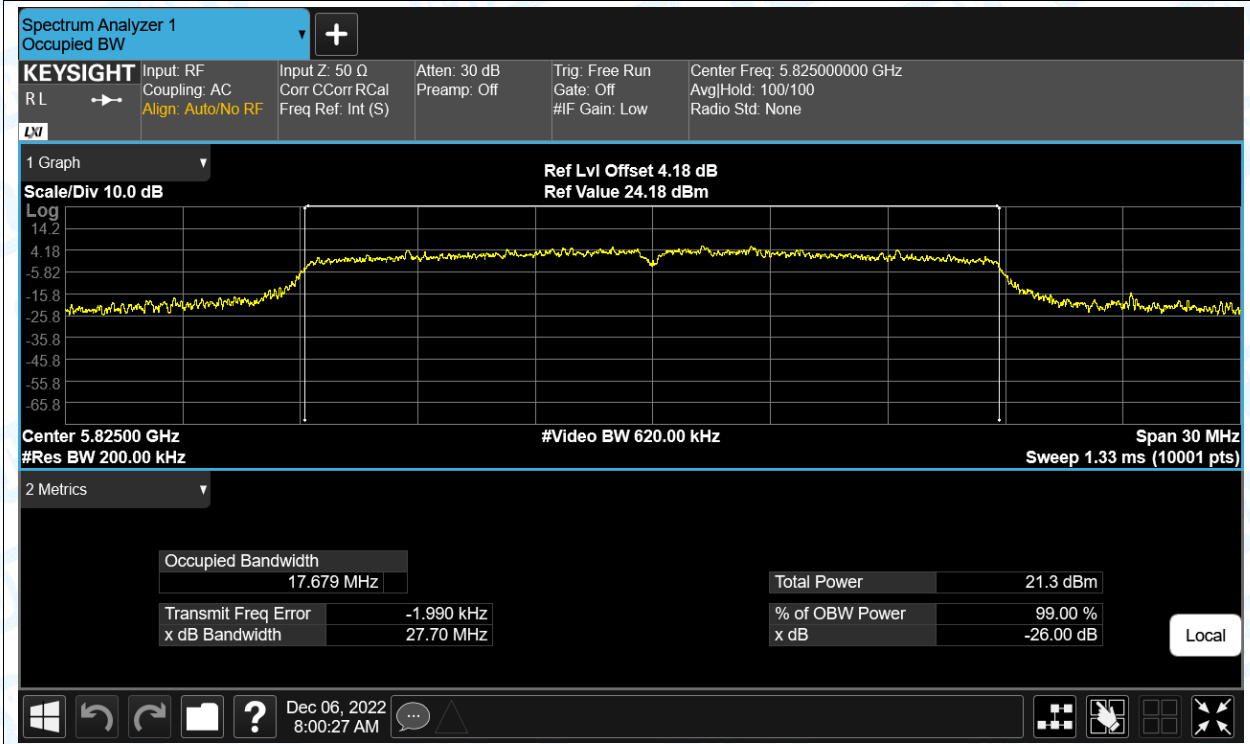
OBW NVNT ac(VHT20) 5745MHz Ant1



OBW NVNT ac(VHT20) 5785MHz Ant1

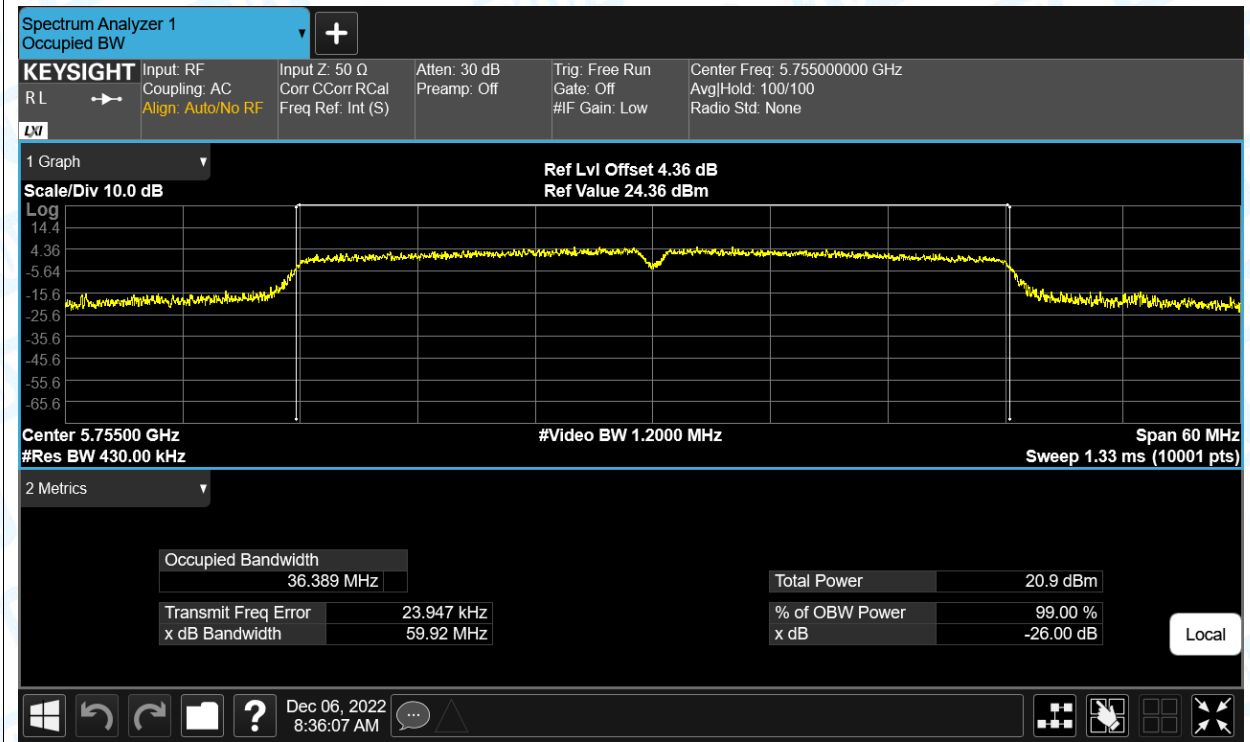


OBW NVNT ac(VHT20) 5825MHz Ant1

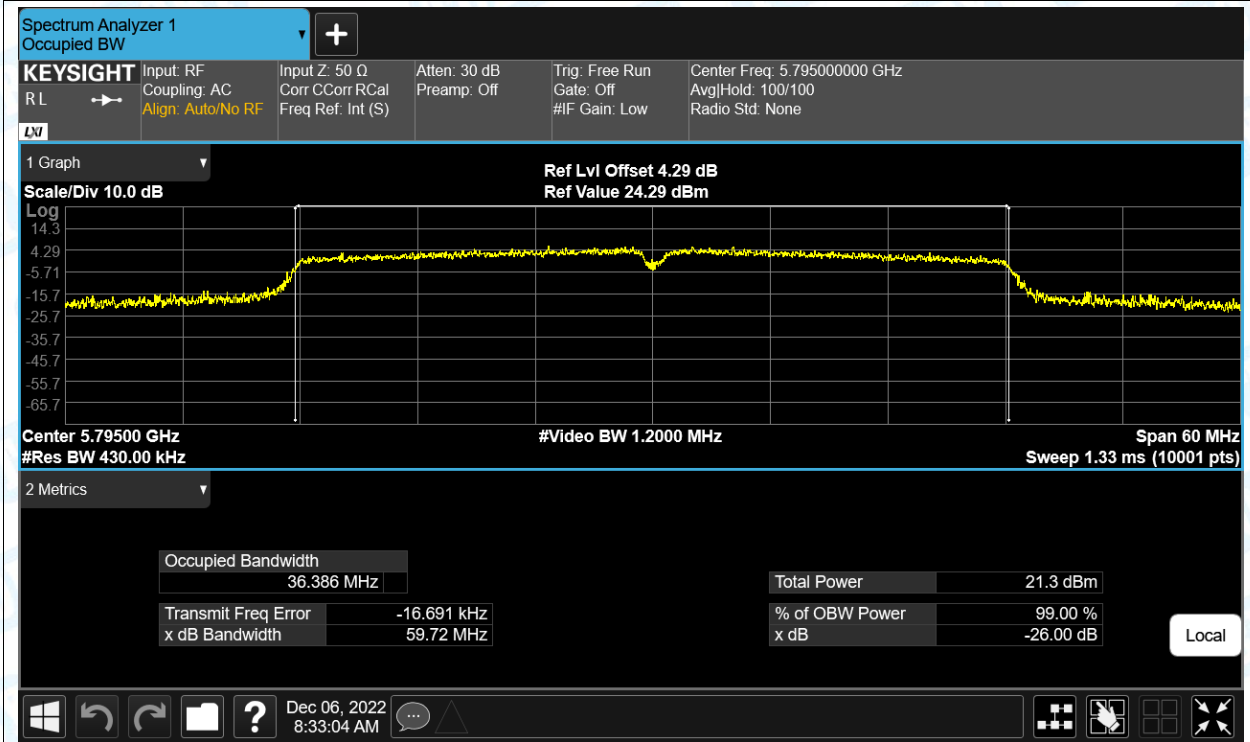




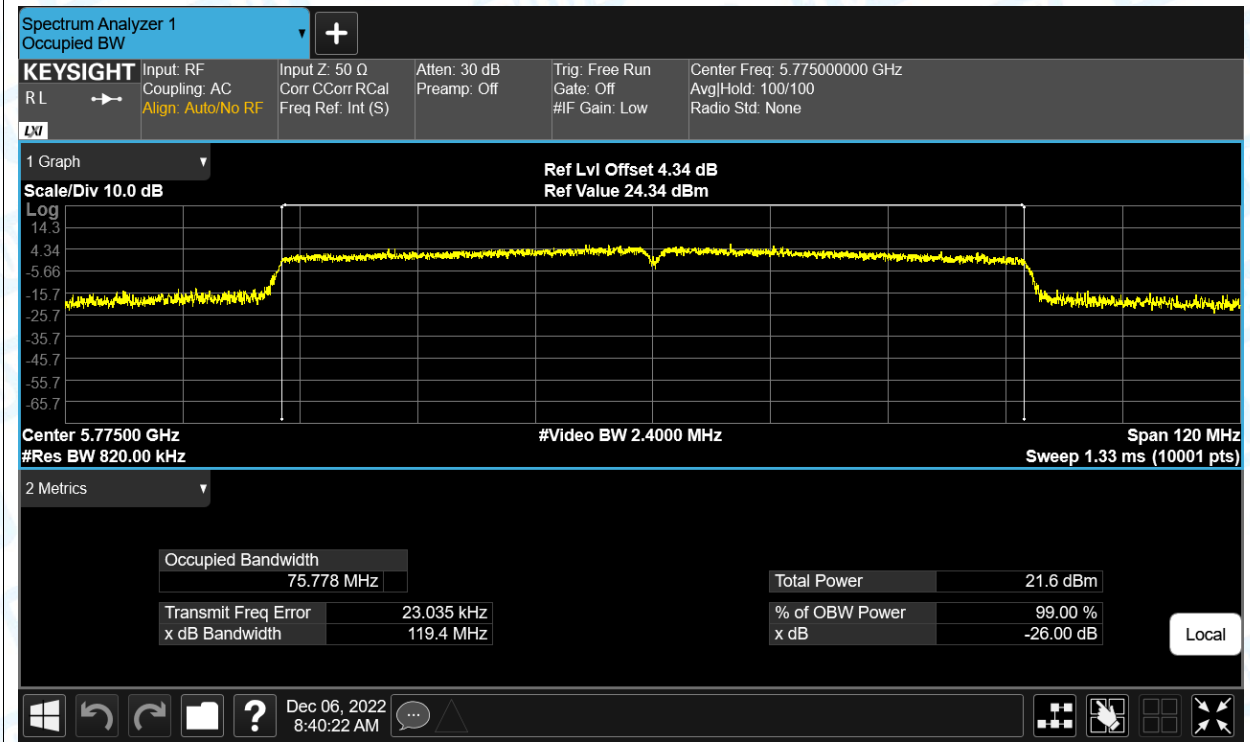
OBW NVNT ac(VHT40) 5755MHz Ant1



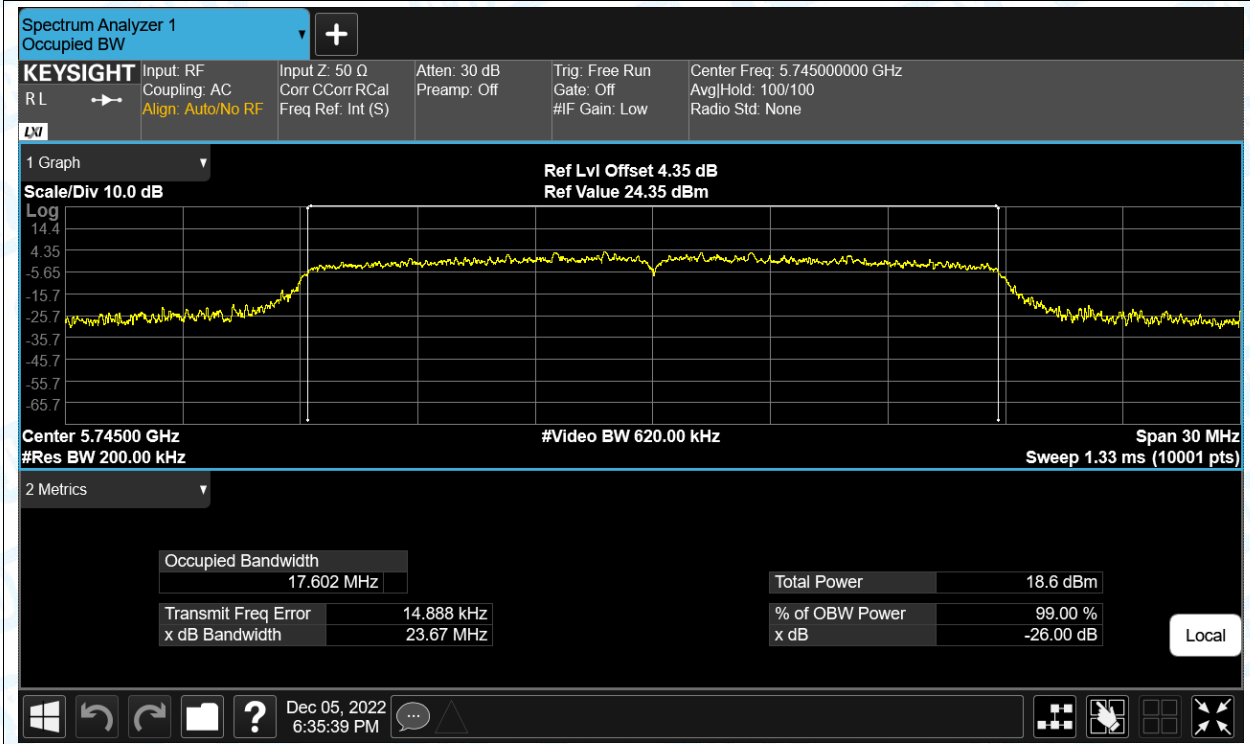
OBW NVNT ac(VHT40) 5795MHz Ant1



OBW NVNT ac(VHT80) 5775MHz Ant1

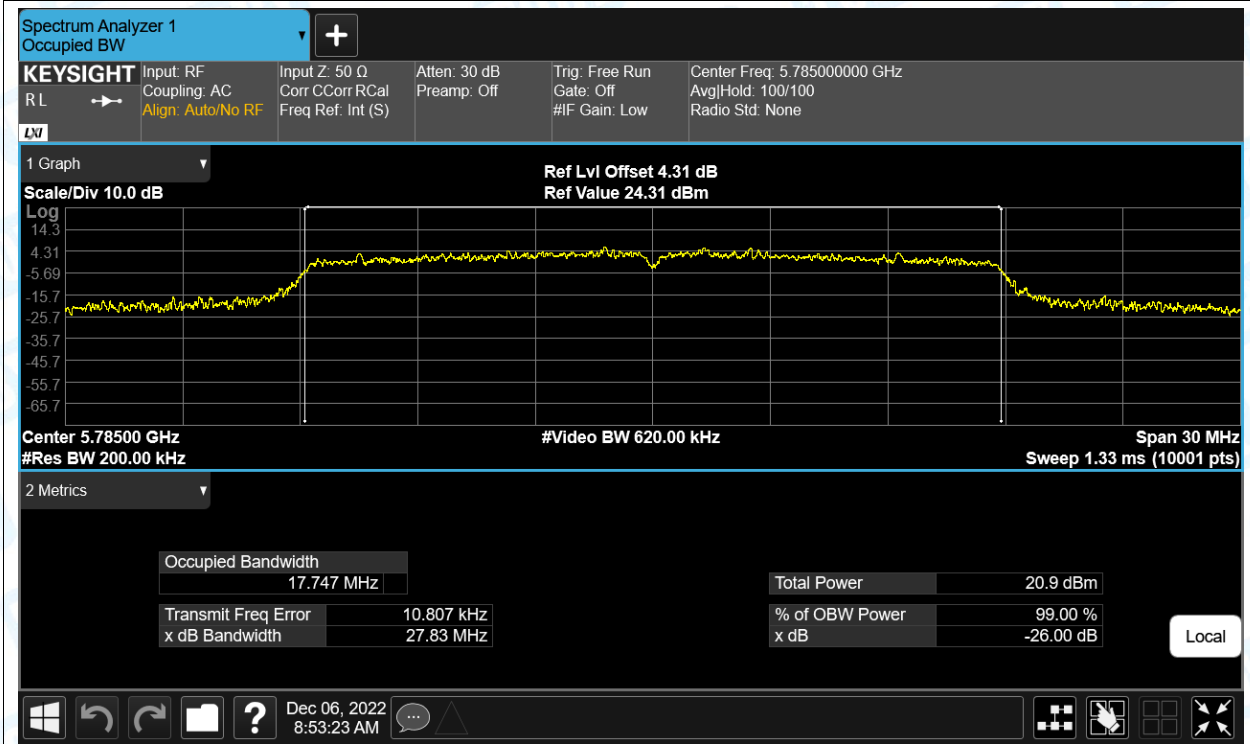


OBW NVNT n(HT20) 5745MHz Ant1

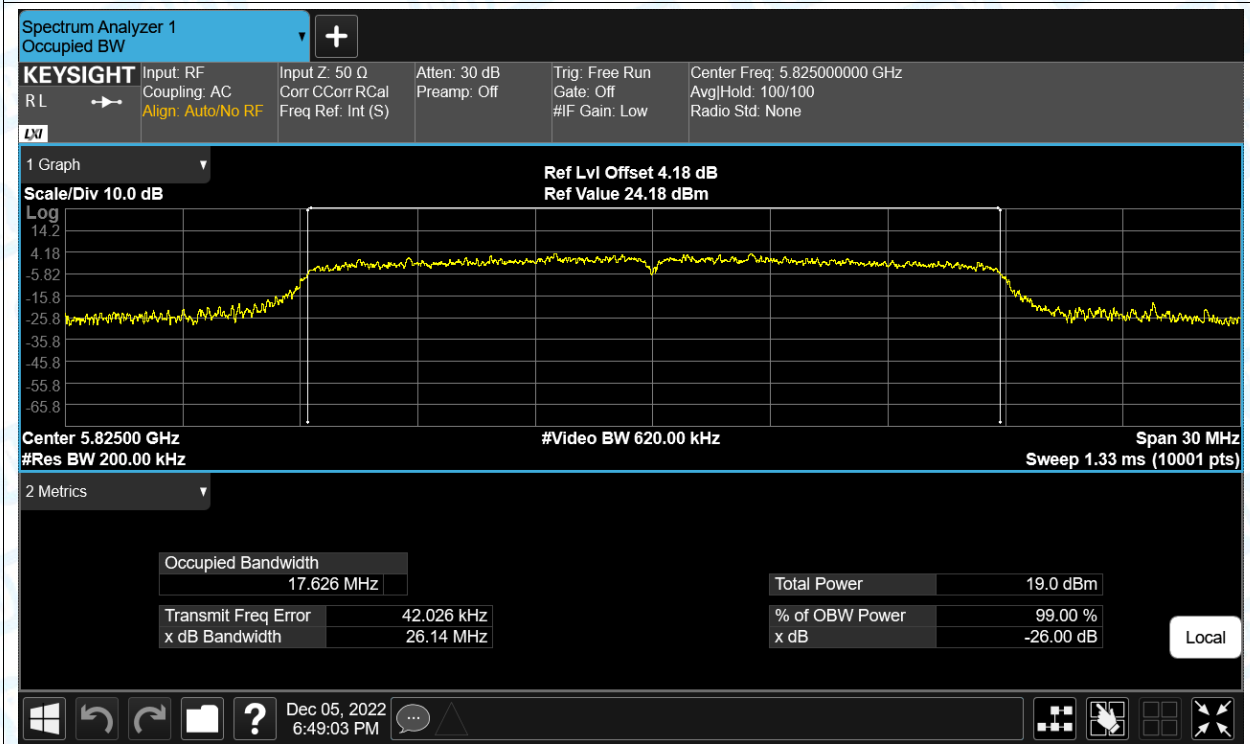




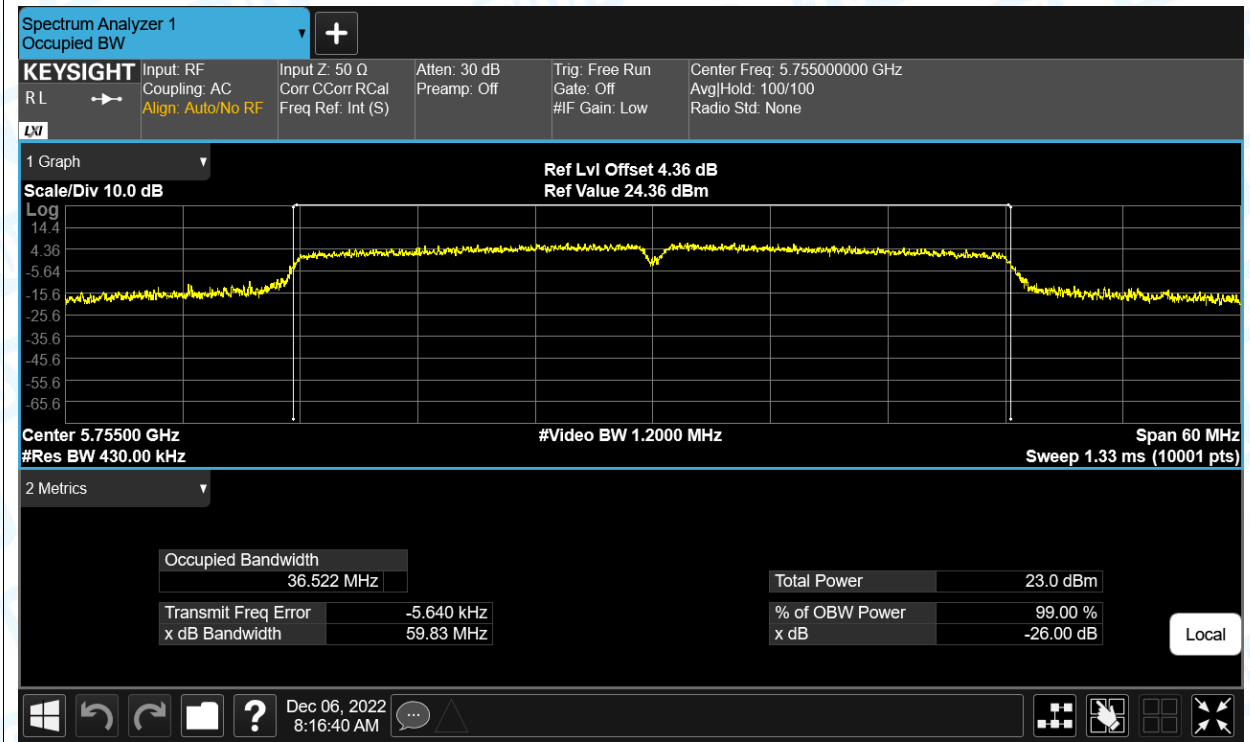
OBW NVNT n(HT20) 5785MHz Ant1



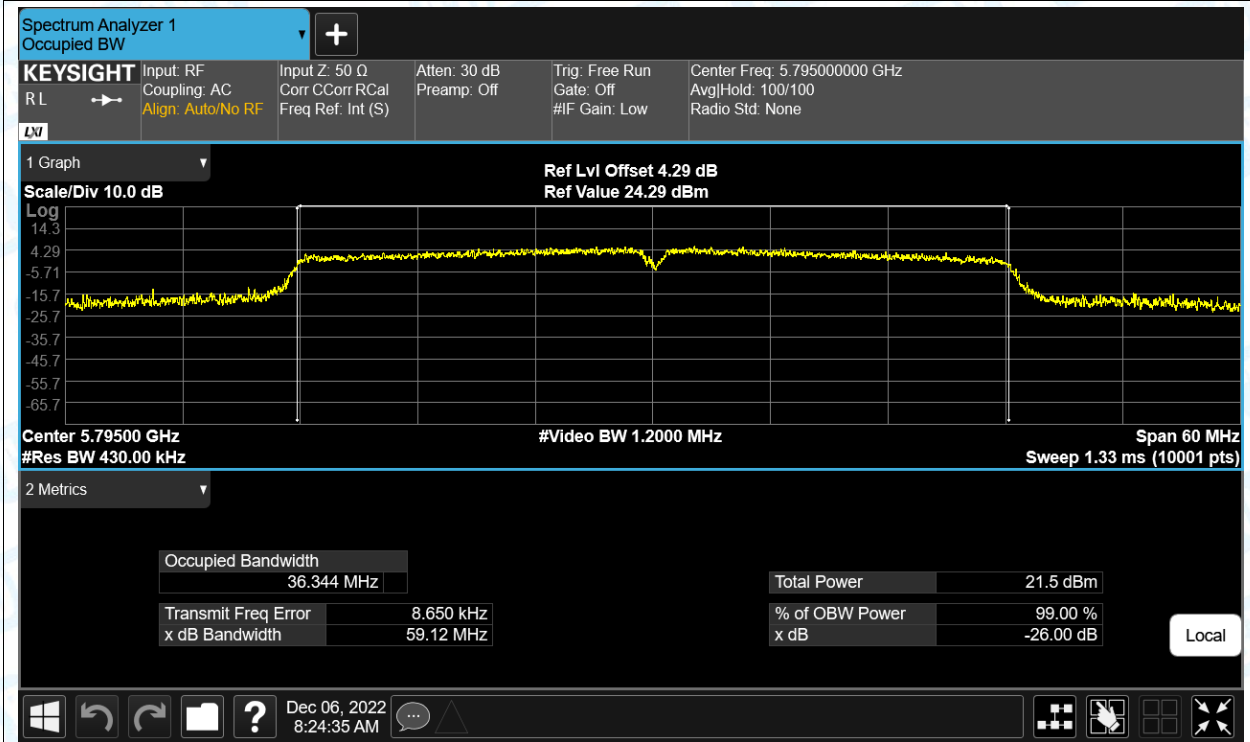
OBW NVNT n(HT20) 5825MHz Ant1



OBW NVNT n(HT40) 5755MHz Ant1



OBW NVNT n(HT40) 5795MHz Ant1





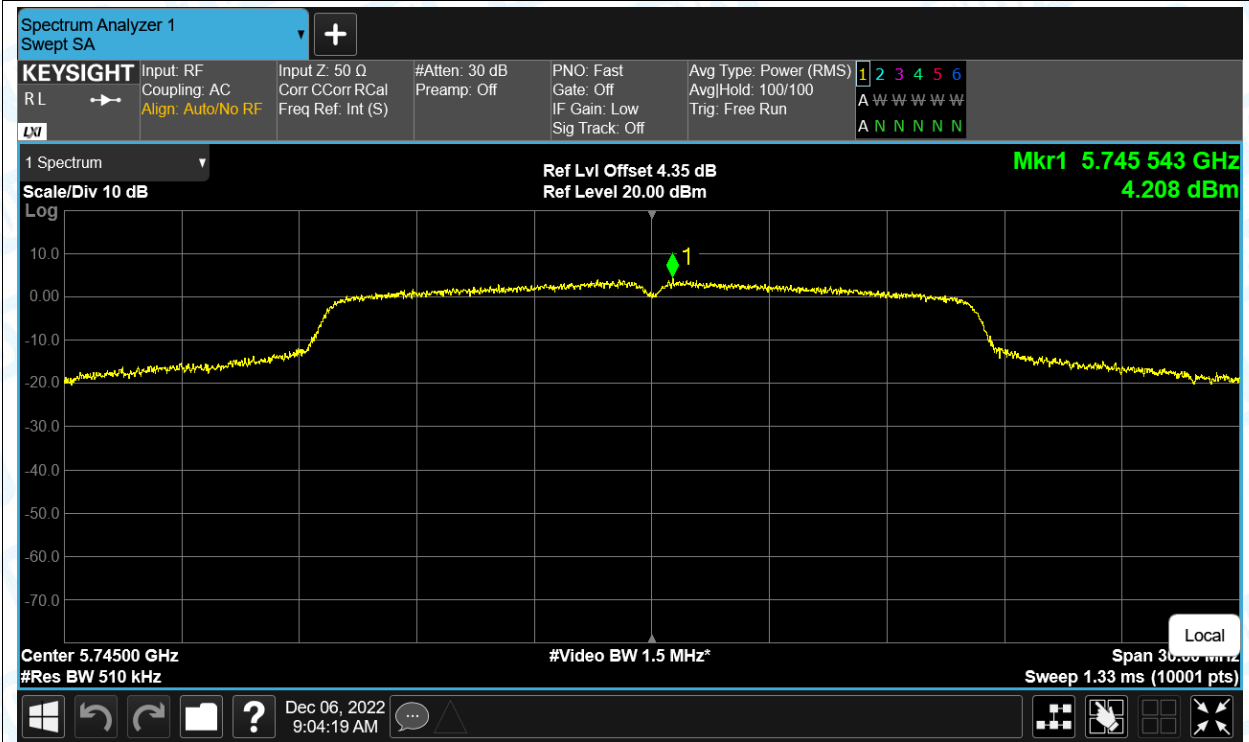
## 5. Maximum Power Spectral Density Level

| Condition | Mode      | Frequency (MHz) | Antenna | Max PSD (dBm/500kHz) | Limit (dBm/500kHz) | Verdict |
|-----------|-----------|-----------------|---------|----------------------|--------------------|---------|
| NVNT      | a         | 5745            | Ant1    | 4.208                | 30                 | Pass    |
| NVNT      | a         | 5785            | Ant1    | 4.082                | 30                 | Pass    |
| NVNT      | a         | 5825            | Ant1    | 4.319                | 30                 | Pass    |
| NVNT      | ac(VHT20) | 5745            | Ant1    | 3.204                | 30                 | Pass    |
| NVNT      | ac(VHT20) | 5785            | Ant1    | 4.186                | 30                 | Pass    |
| NVNT      | ac(VHT20) | 5825            | Ant1    | 2.821                | 30                 | Pass    |
| NVNT      | ac(VHT40) | 5755            | Ant1    | -0.578               | 30                 | Pass    |
| NVNT      | ac(VHT40) | 5795            | Ant1    | -0.348               | 30                 | Pass    |
| NVNT      | ac(VHT80) | 5775            | Ant1    | -4.561               | 30                 | Pass    |
| NVNT      | n(HT20)   | 5745            | Ant1    | 2.793                | 30                 | Pass    |
| NVNT      | n(HT20)   | 5785            | Ant1    | 3.007                | 30                 | Pass    |
| NVNT      | n(HT20)   | 5825            | Ant1    | 3.437                | 30                 | Pass    |
| NVNT      | n(HT40)   | 5755            | Ant1    | 0.012                | 30                 | Pass    |
| NVNT      | n(HT40)   | 5795            | Ant1    | 0.609                | 30                 | Pass    |

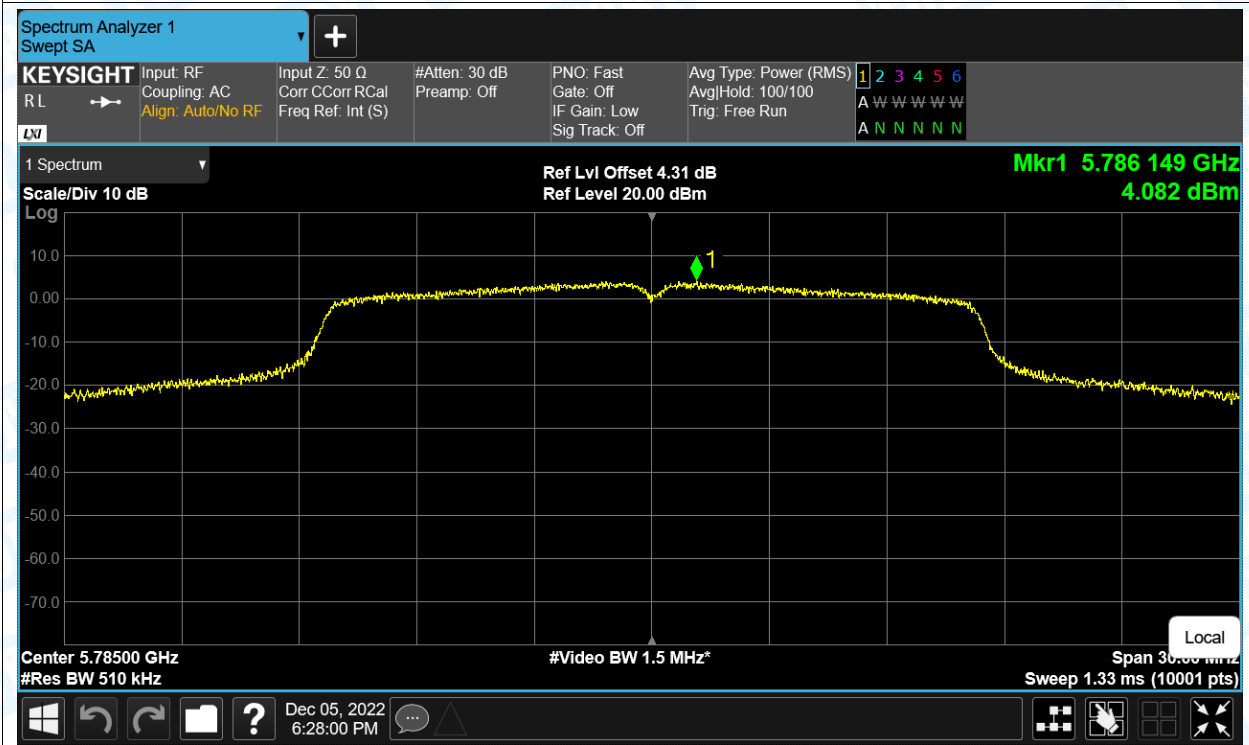
Note: The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

PSD NVNT a 5745MHz Ant1

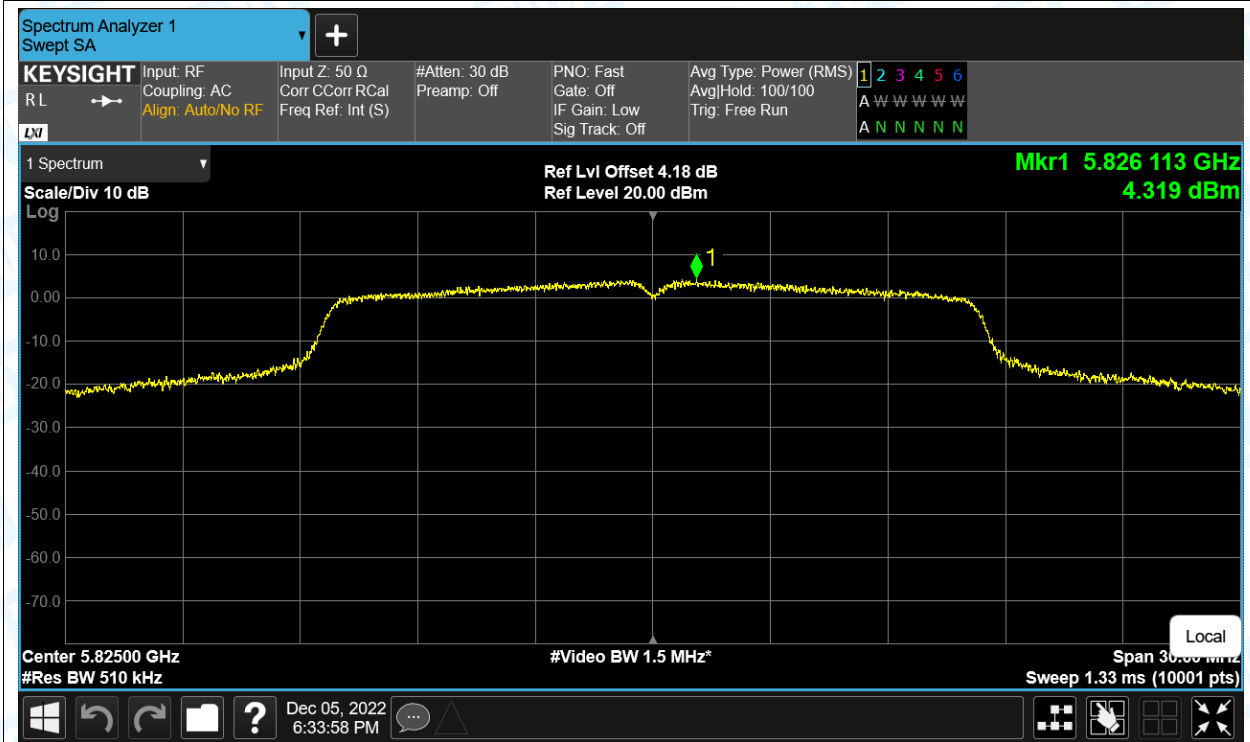


PSD NVNT a 5785MHz Ant1

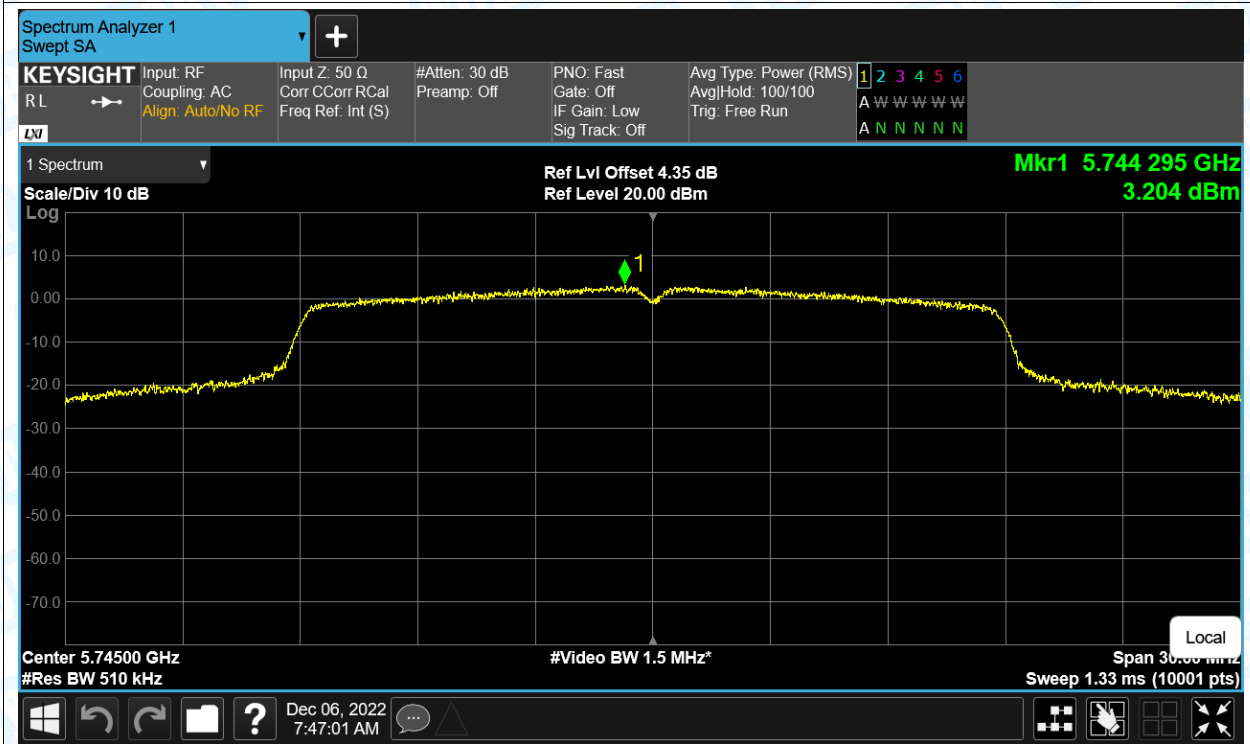




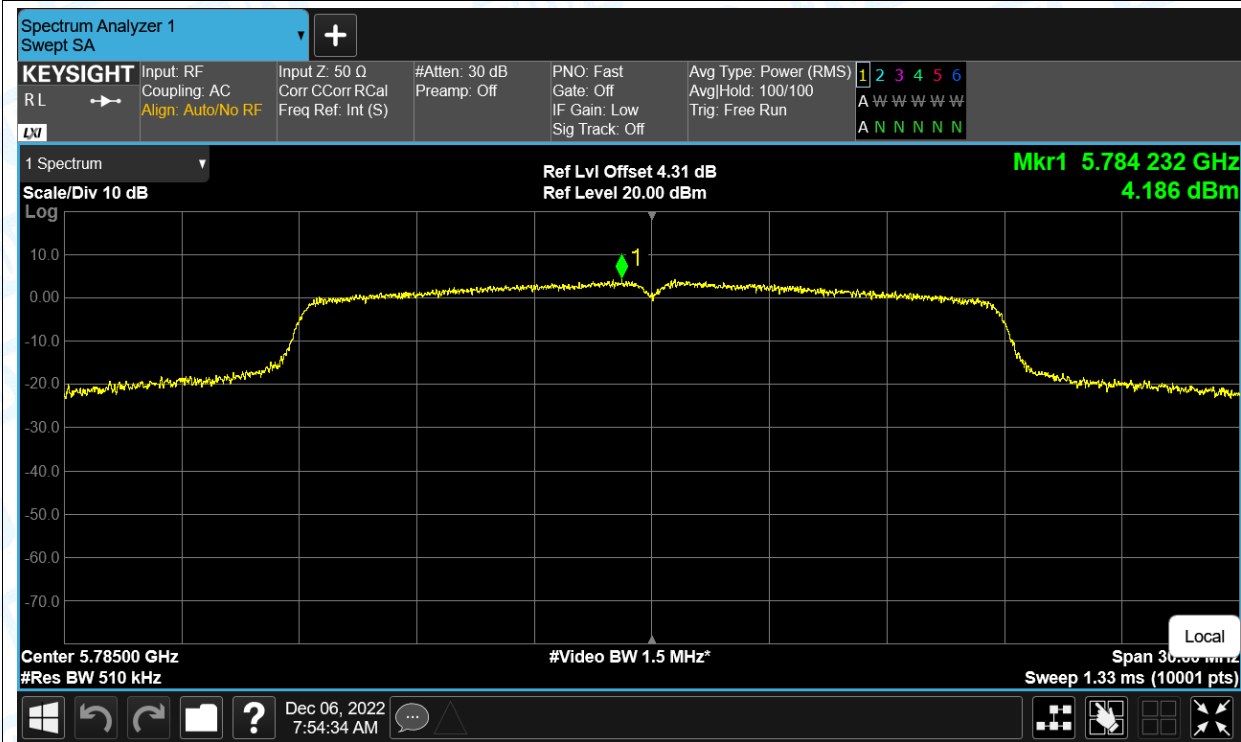
PSD NVNT a 5825MHz Ant1



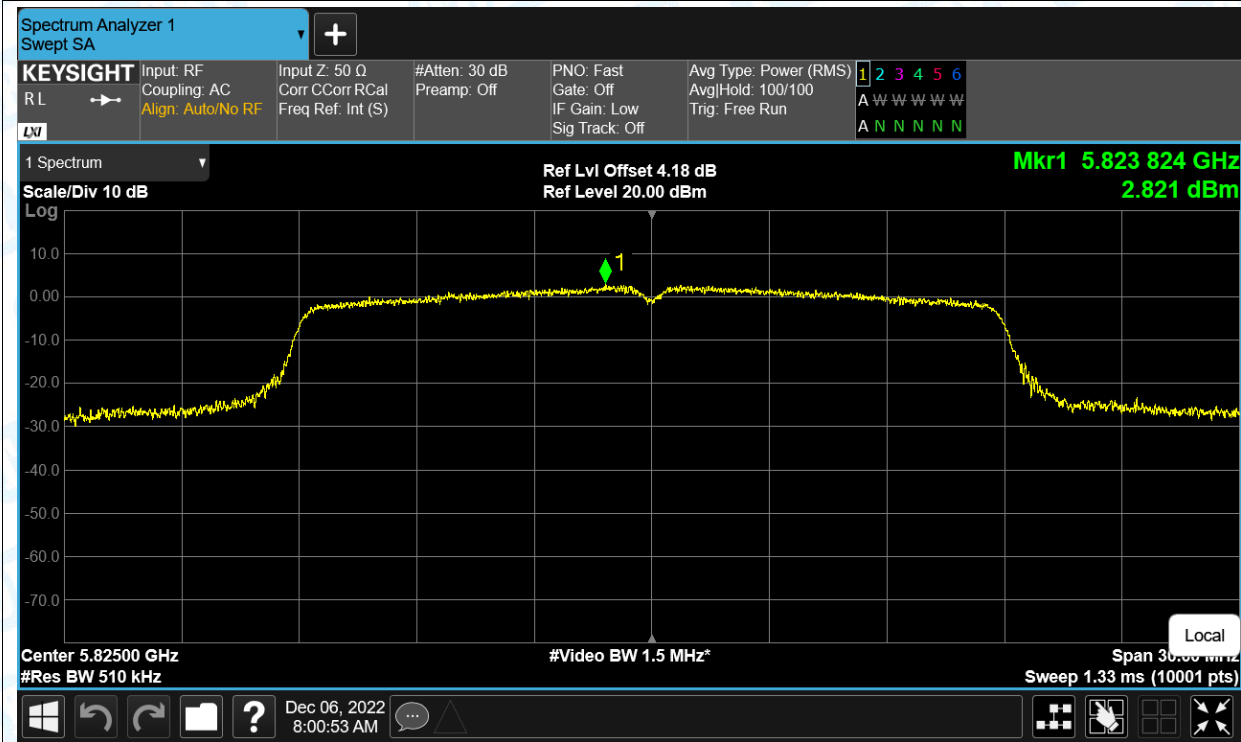
PSD NVNT ac(VHT20) 5745MHz Ant1



PSD NVNT ac(VHT20) 5785MHz Ant1

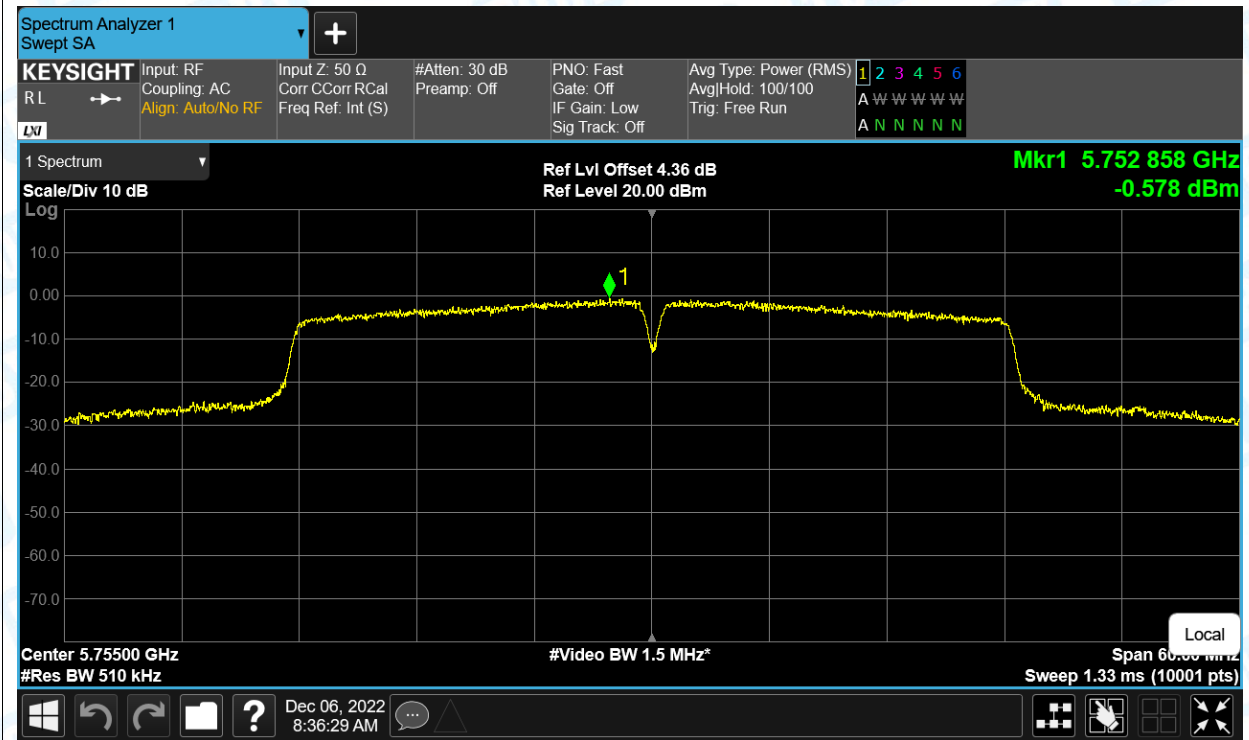


PSD NVNT ac(VHT20) 5825MHz Ant1

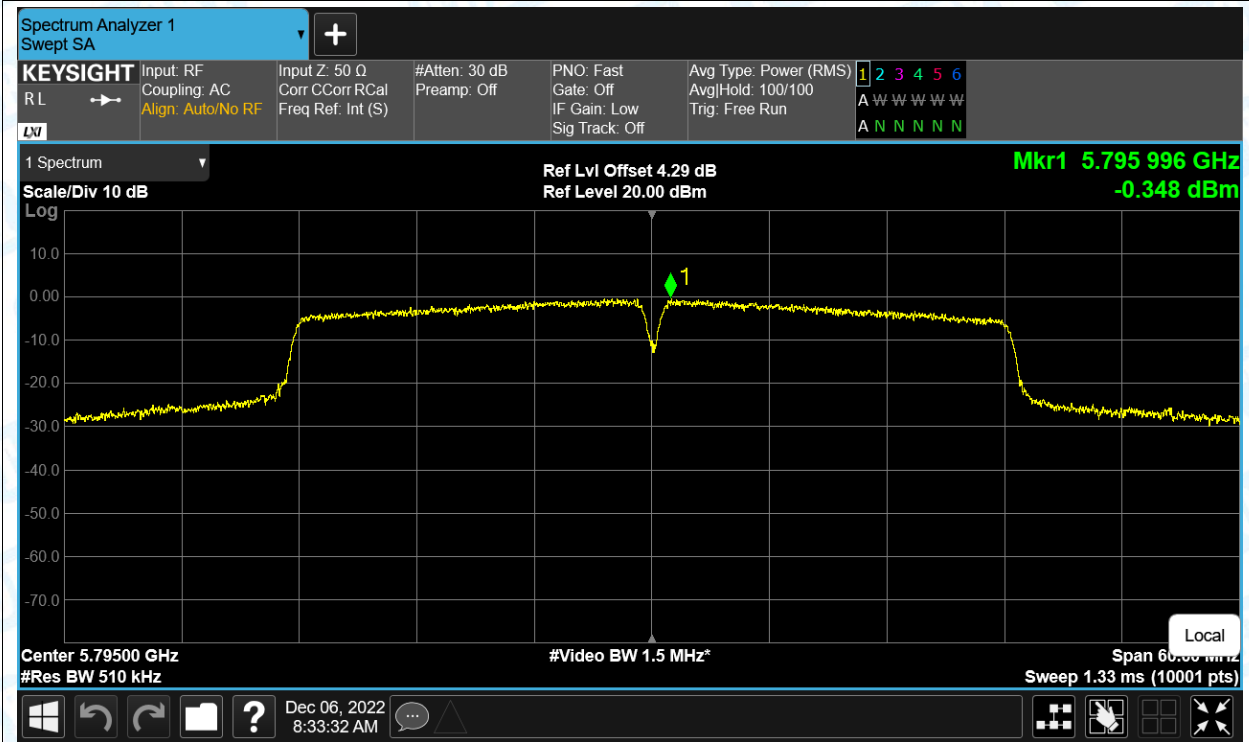


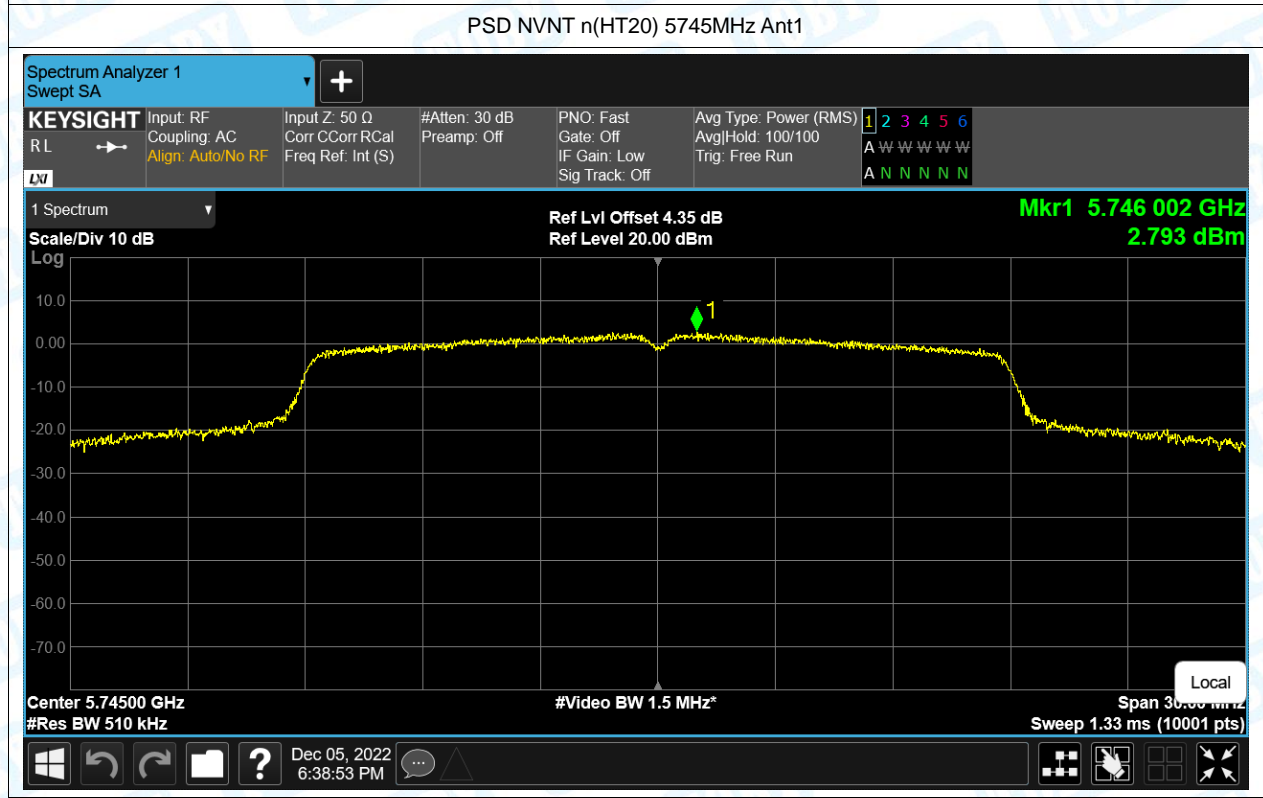
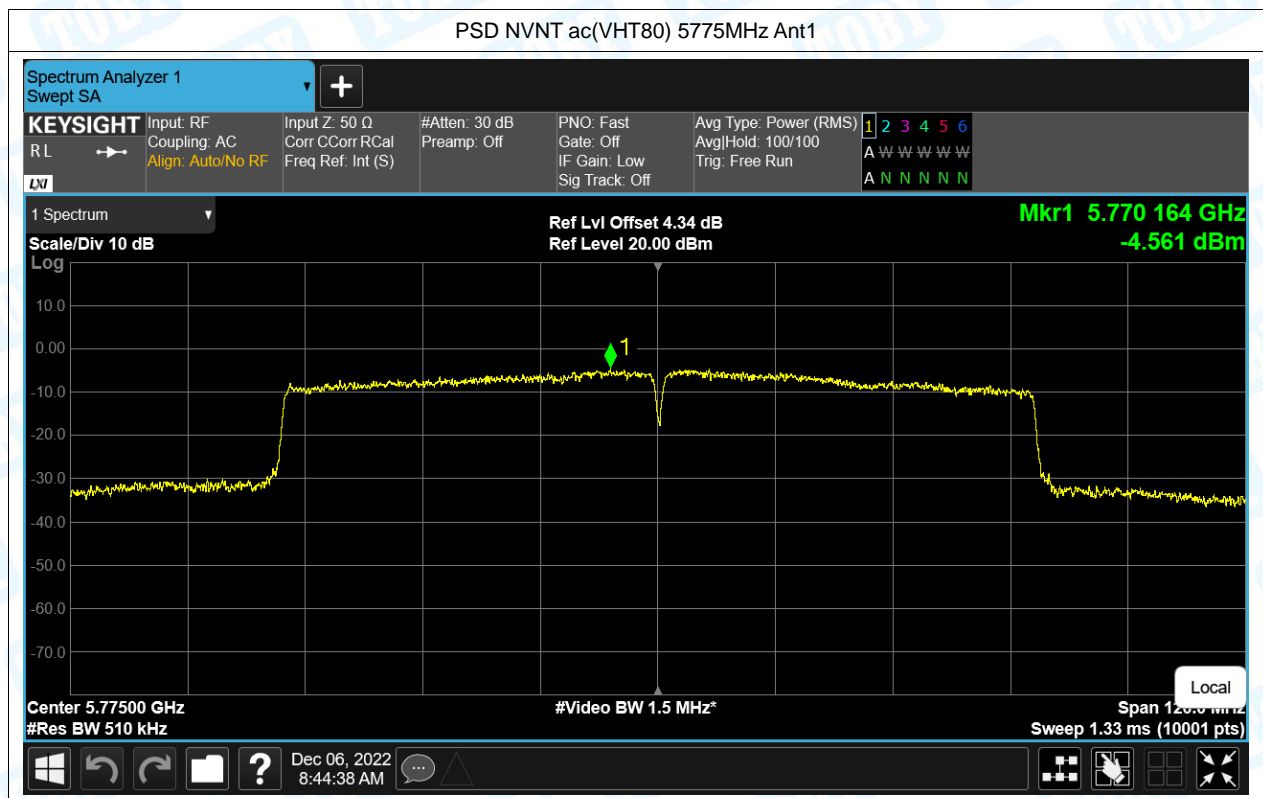


PSD NVNT ac(VHT40) 5755MHz Ant1



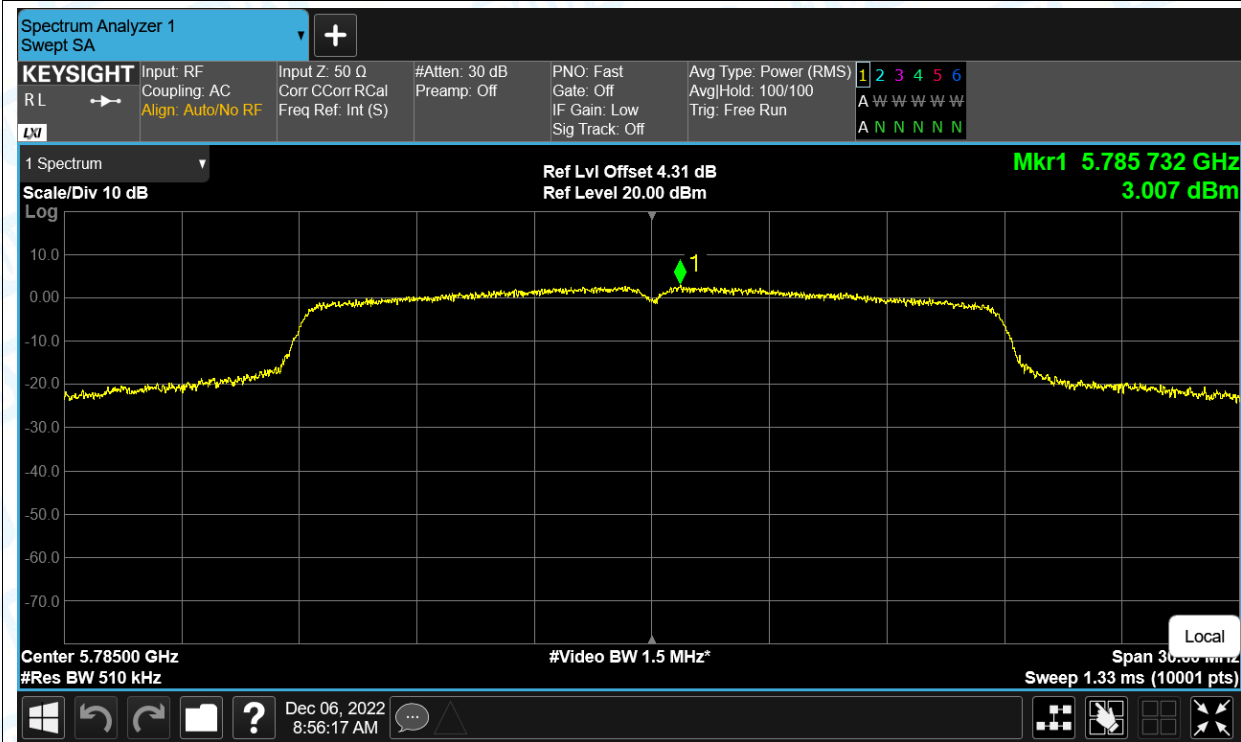
PSD NVNT ac(VHT40) 5795MHz Ant1



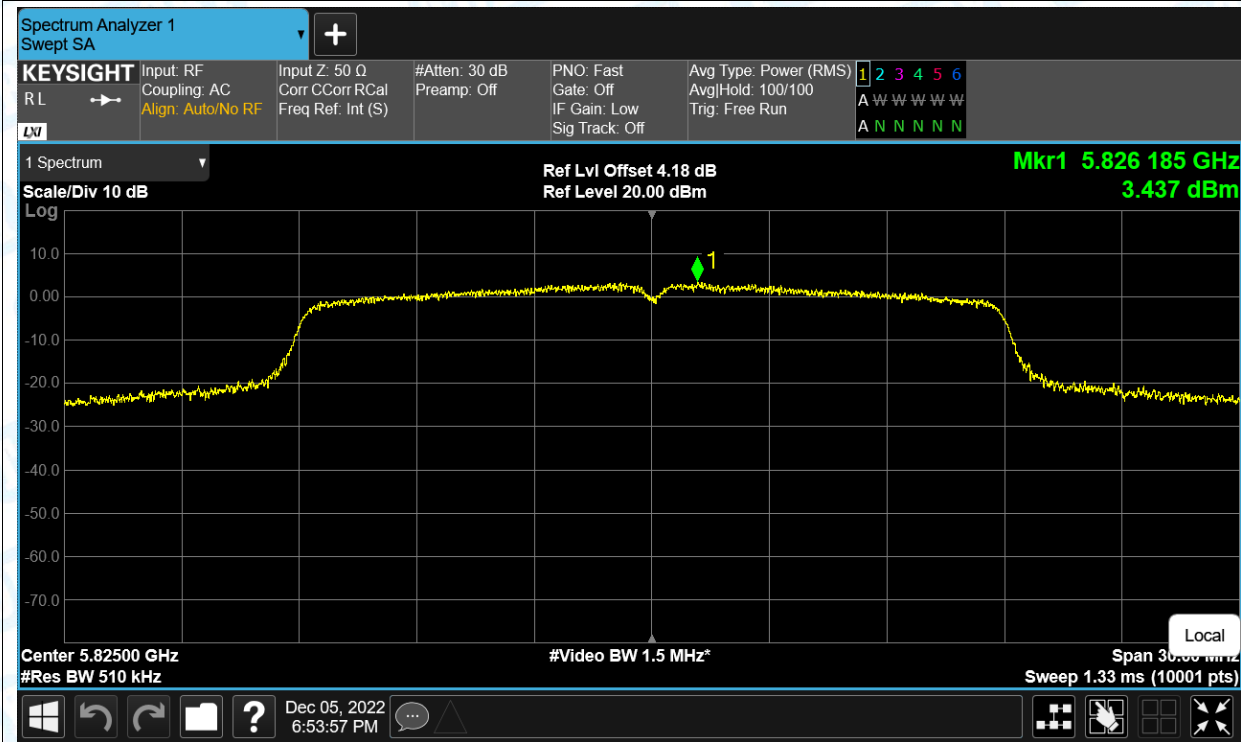




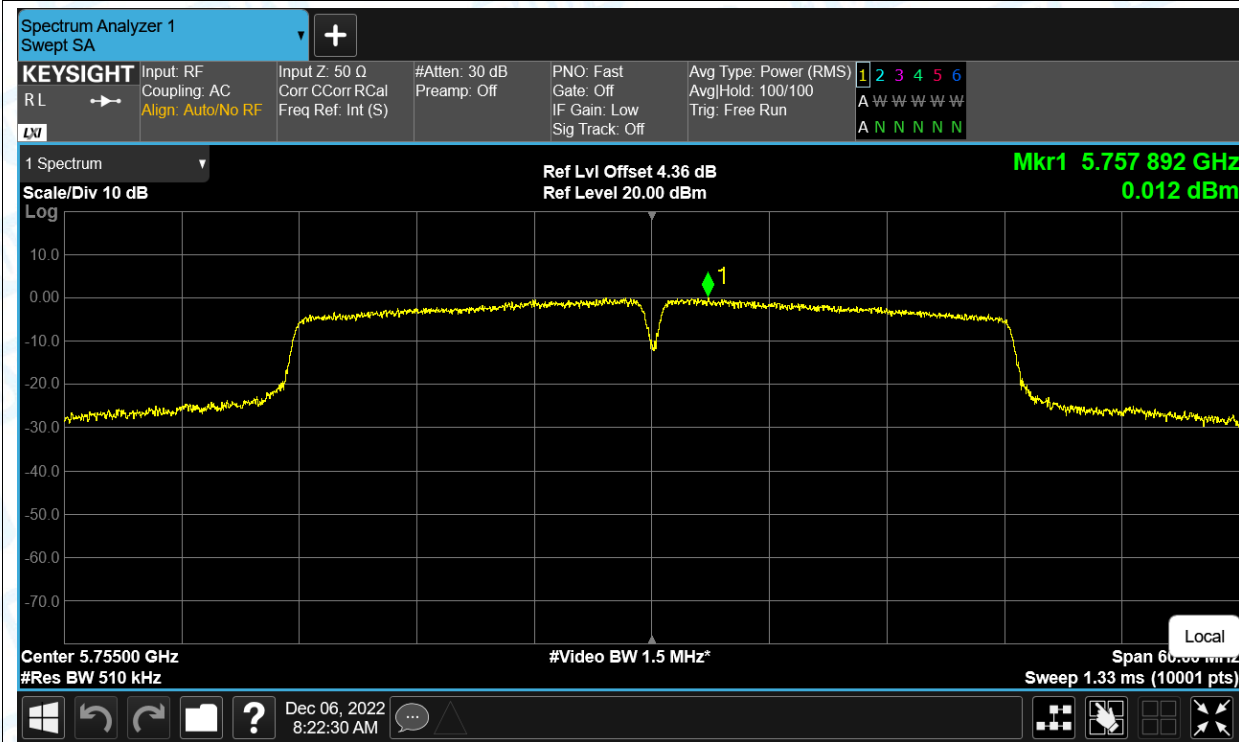
PSD NVNT n(HT20) 5785MHz Ant1



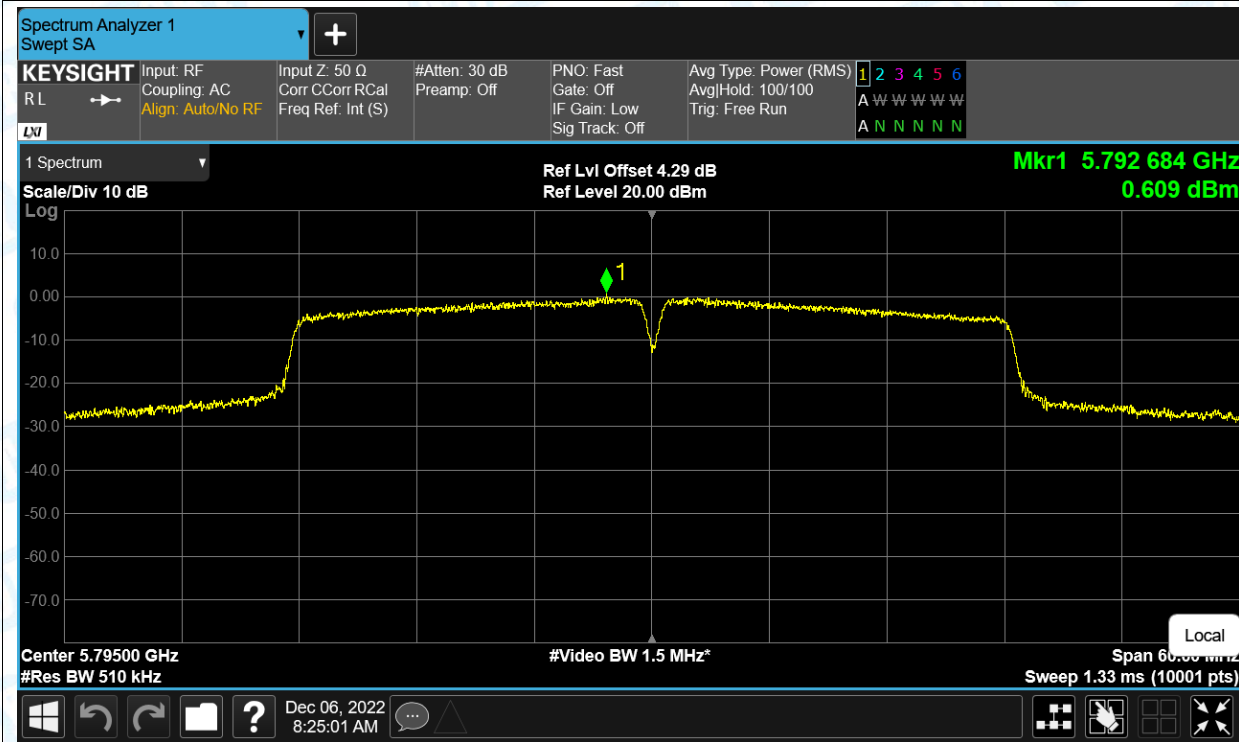
PSD NVNT n(HT20) 5825MHz Ant1



PSD NVNT n(HT40) 5755MHz Ant1



PSD NVNT n(HT40) 5795MHz Ant1



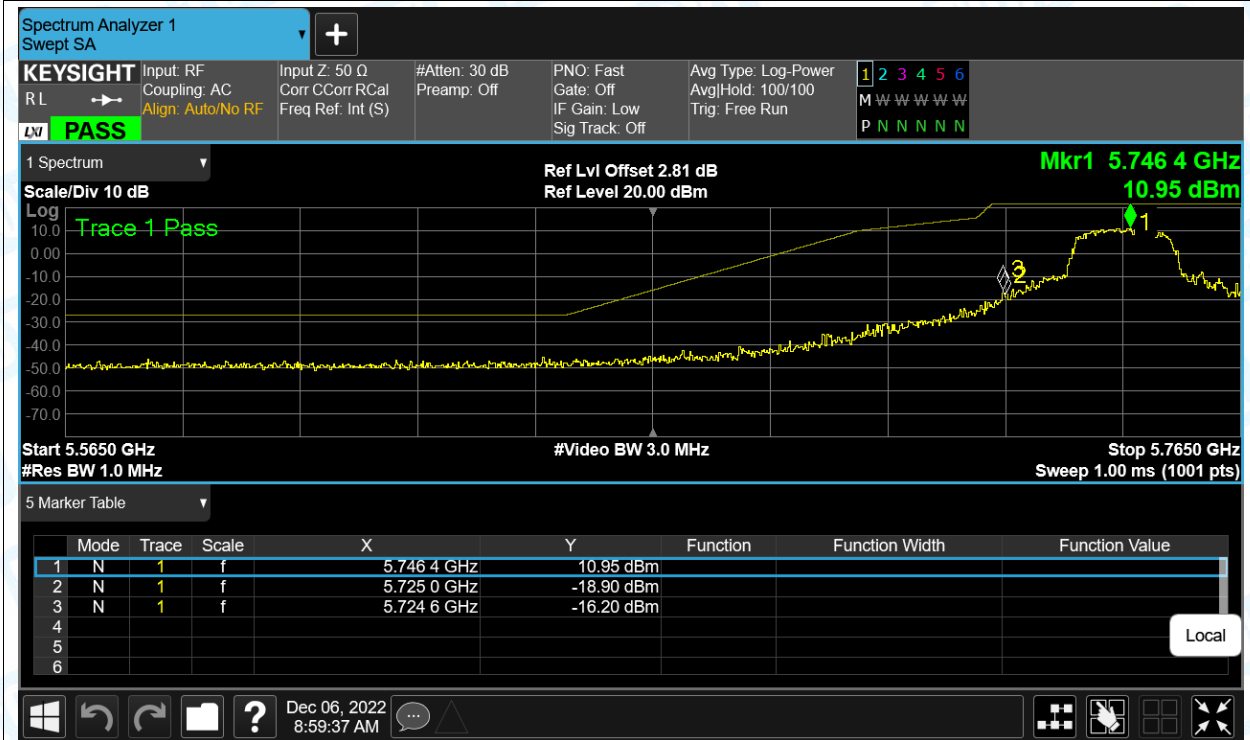


## 6. Band Edge

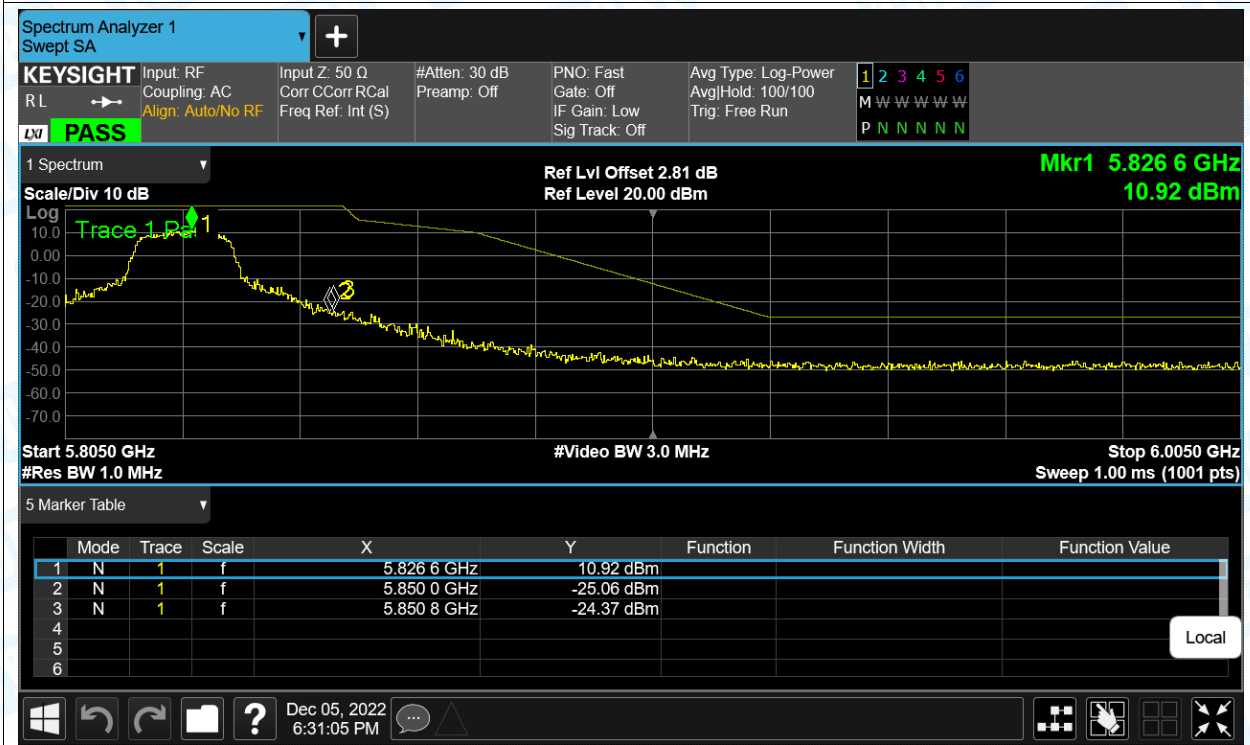
| Condition | Mode      | Frequency (MHz) | Antenna | Max Value (dBm) | Verdict |
|-----------|-----------|-----------------|---------|-----------------|---------|
| NVNT      | a         | 5745            | Ant1    | -16.2           | Pass    |
| NVNT      | a         | 5825            | Ant1    | -24.37          | Pass    |
| NVNT      | ac(VHT20) | 5745            | Ant1    | -14.79          | Pass    |
| NVNT      | ac(VHT20) | 5825            | Ant1    | -23.94          | Pass    |
| NVNT      | ac(VHT40) | 5755            | Ant1    | -15.17          | Pass    |
| NVNT      | ac(VHT40) | 5795            | Ant1    | -28.43          | Pass    |
| NVNT      | ac(VHT80) | 5775            | Ant1    | -12.37          | Pass    |
| NVNT      | n(HT20)   | 5745            | Ant1    | -21.48          | Pass    |
| NVNT      | n(HT20)   | 5825            | Ant1    | -24.05          | Pass    |
| NVNT      | n(HT40)   | 5755            | Ant1    | -11.1           | Pass    |
| NVNT      | n(HT40)   | 5795            | Ant1    | -24.3           | Pass    |

Test Graphs

Band Edge NVNT a 5745MHz Low Ant1

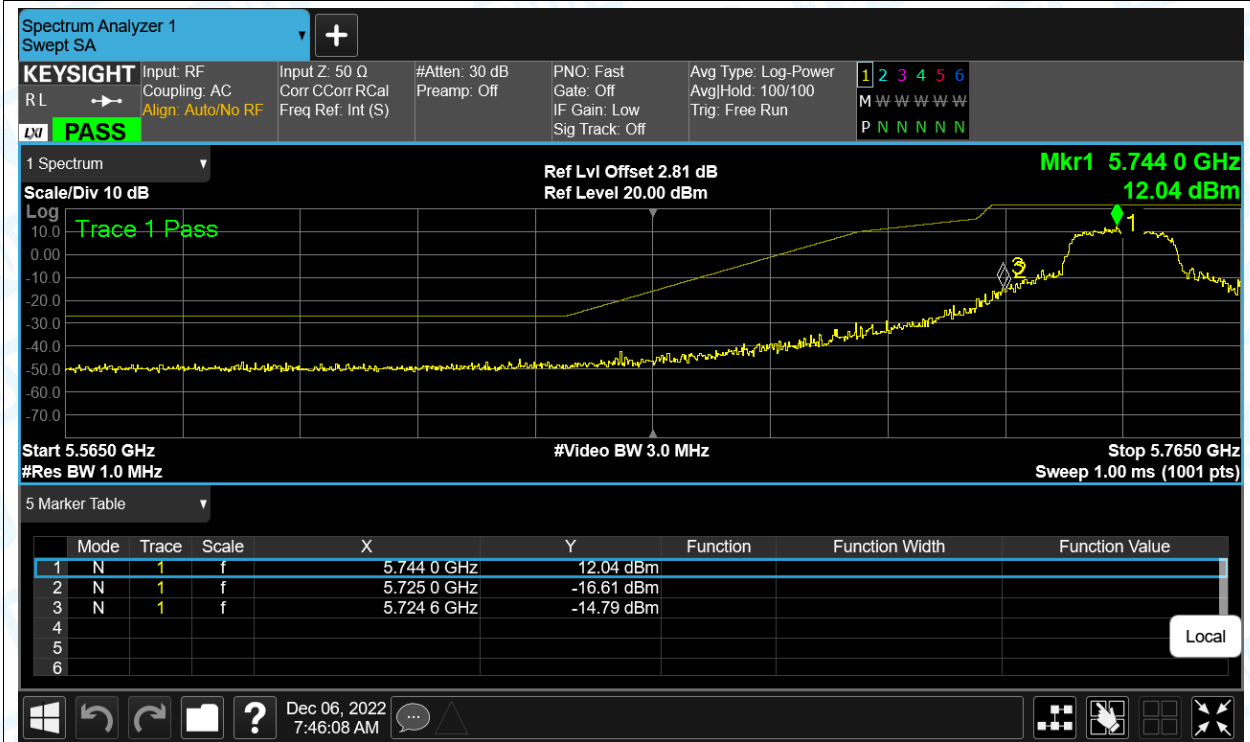


Band Edge NVNT a 5825MHz High Ant1

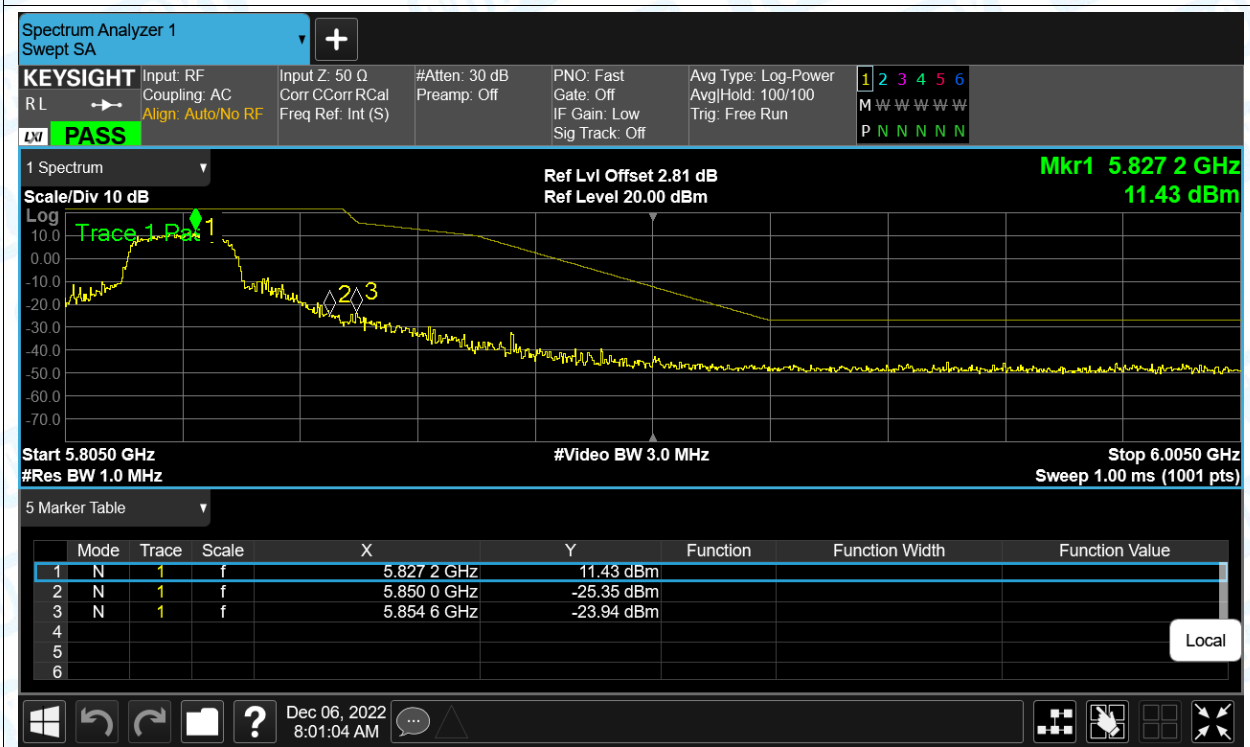




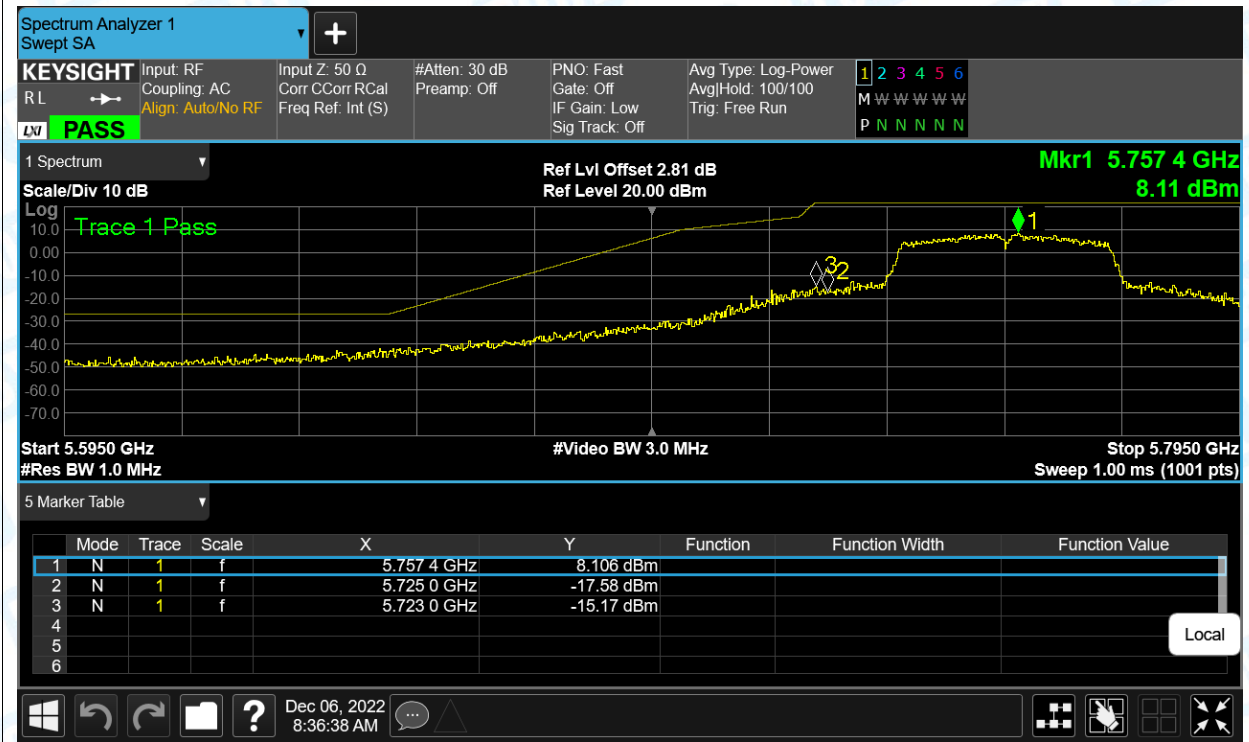
Band Edge NVNT ac(VHT20) 5745MHz Low Ant1



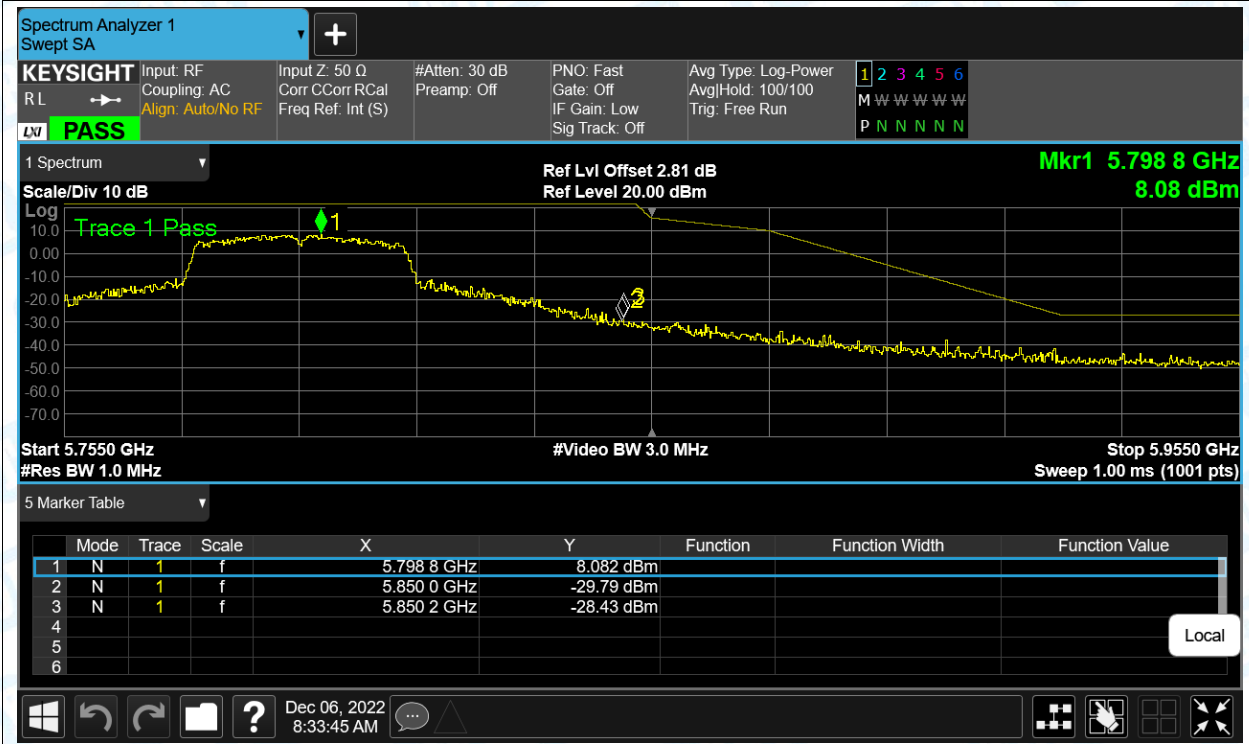
Band Edge NVNT ac(VHT20) 5825MHz High Ant1



Band Edge NVNT ac(VHT40) 5755MHz Low Ant1

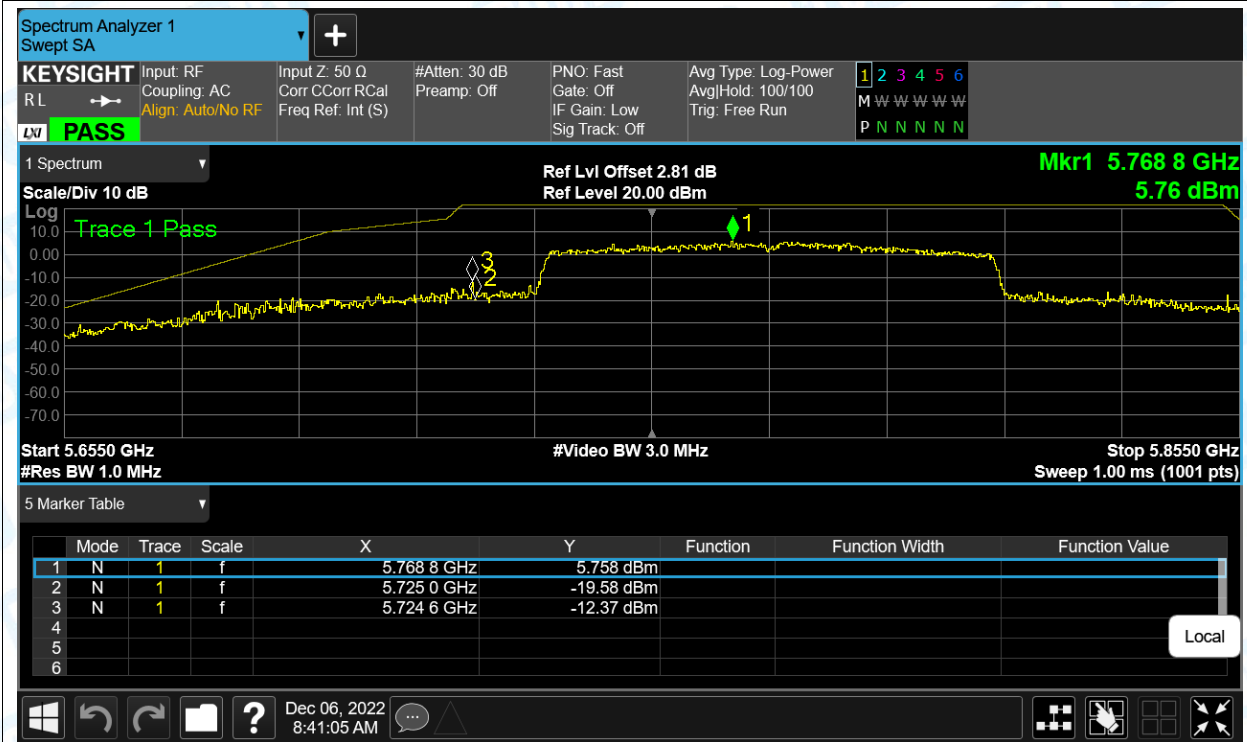


Band Edge NVNT ac(VHT40) 5795MHz High Ant1

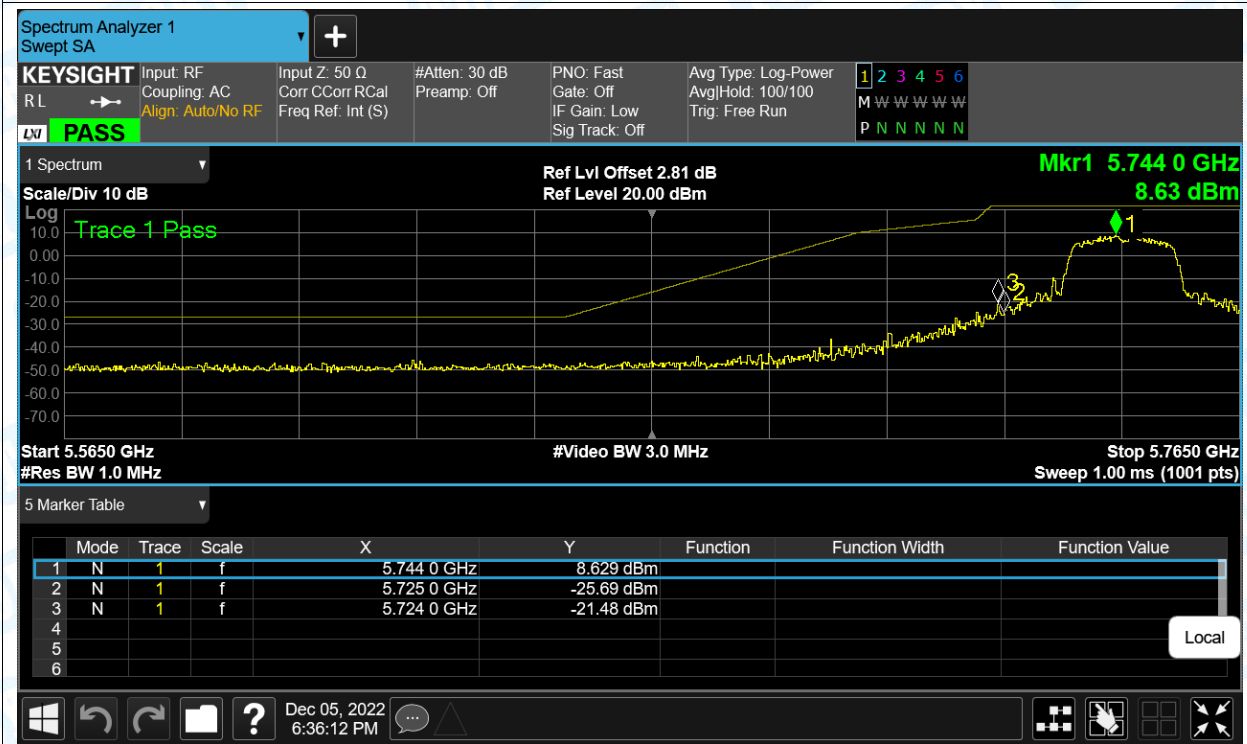




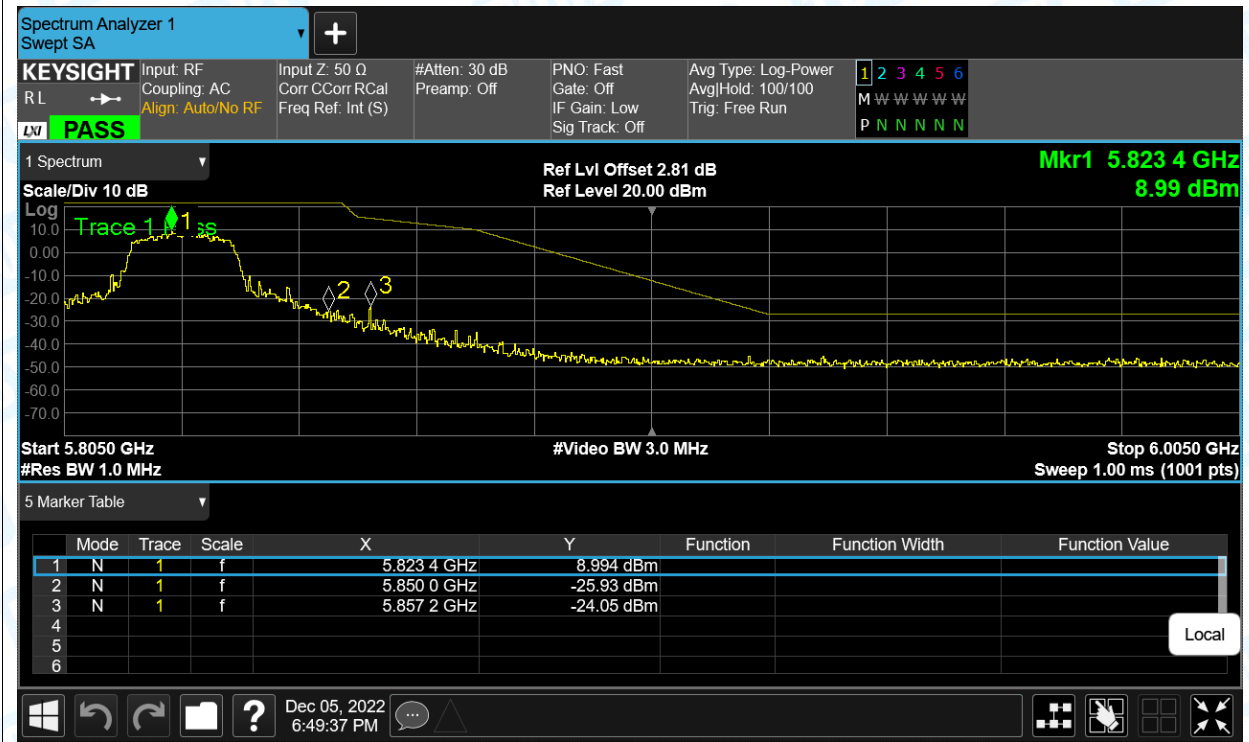
Band Edge NVNT ac(VHT80) 5775MHz Low Ant1



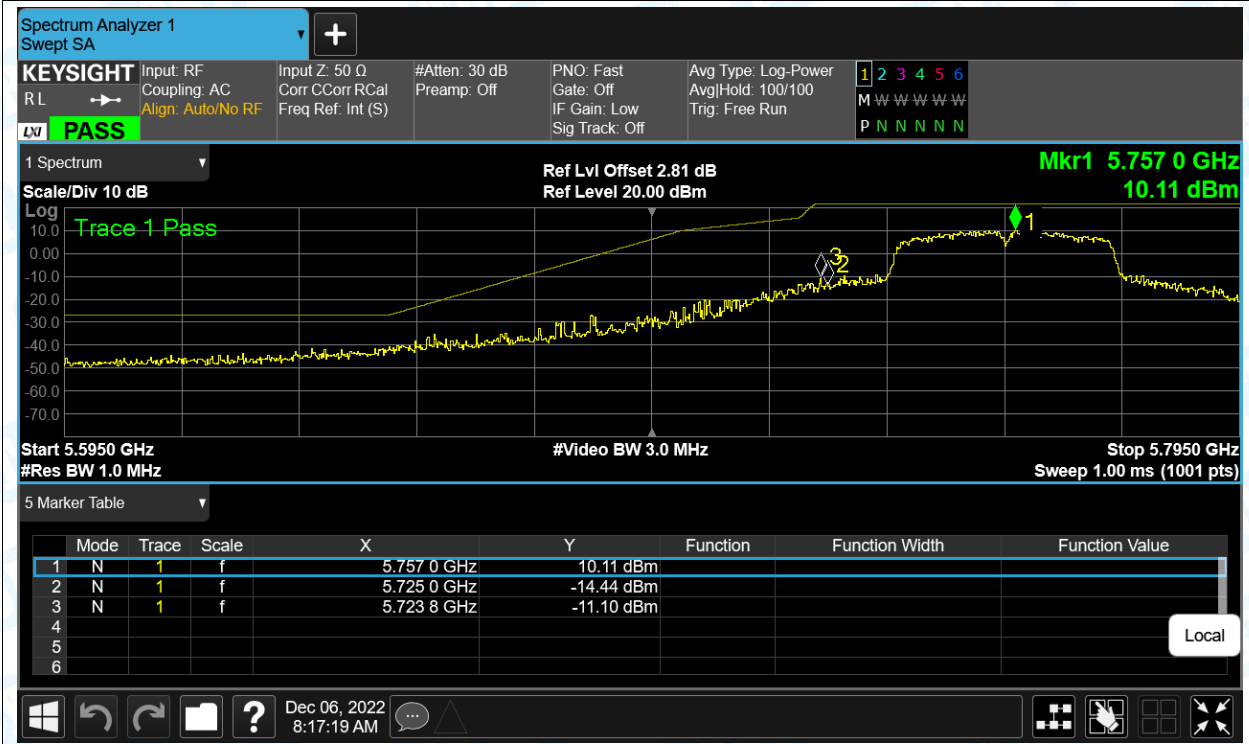
Band Edge NVNT n(HT20) 5745MHz Low Ant1



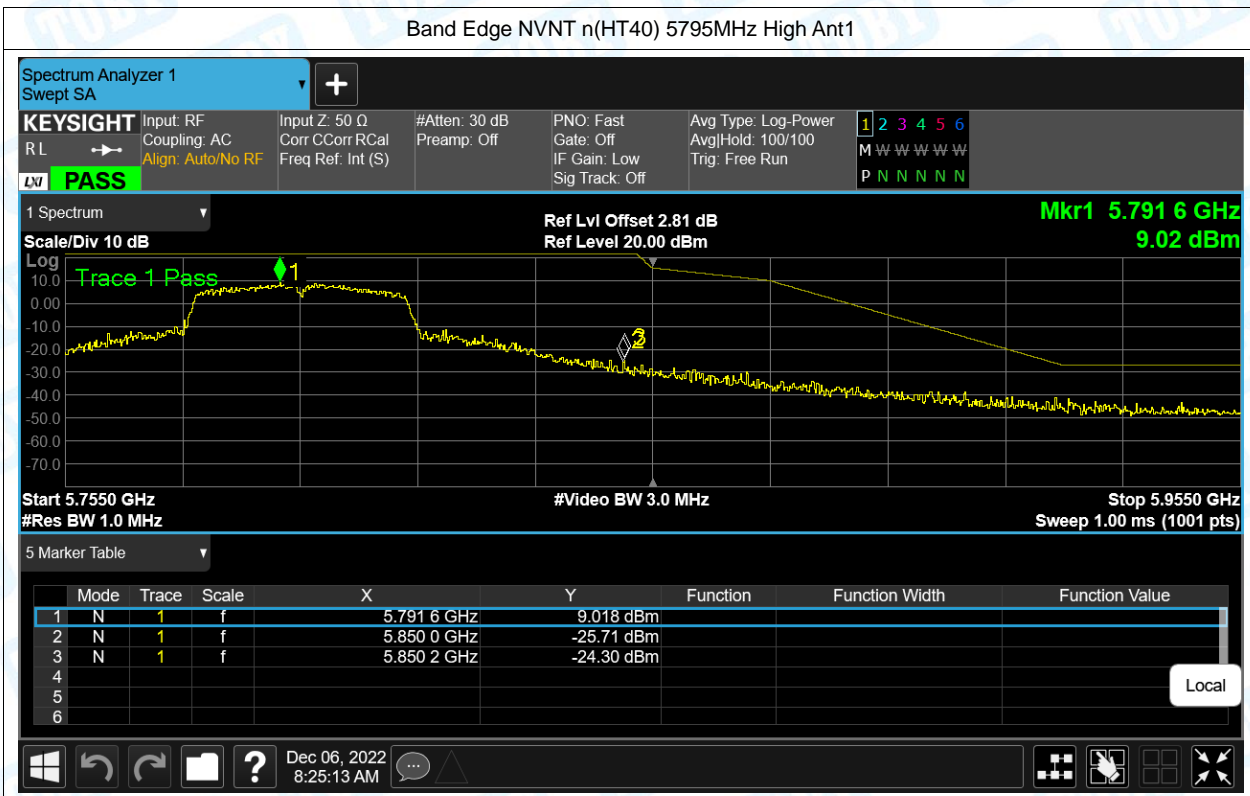
Band Edge NVNT n(HT20) 5825MHz High Ant1



Band Edge NVNT n(HT40) 5755MHz Low Ant1







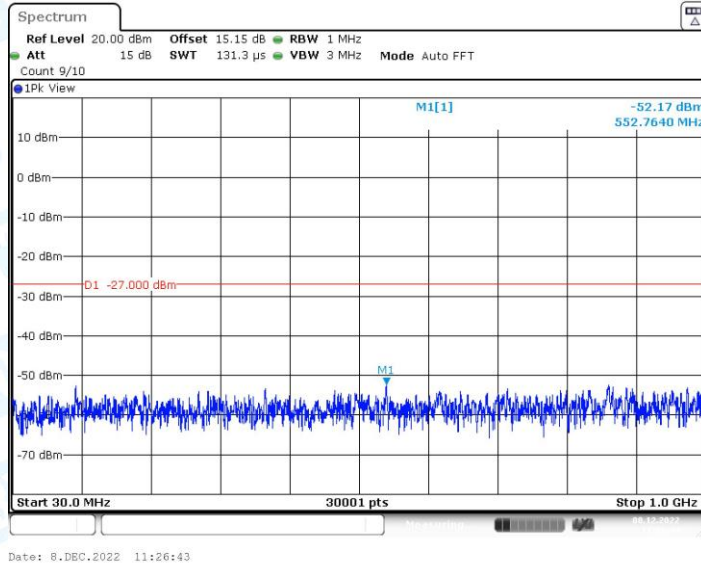


## 7. Conducted RF Spurious Emission

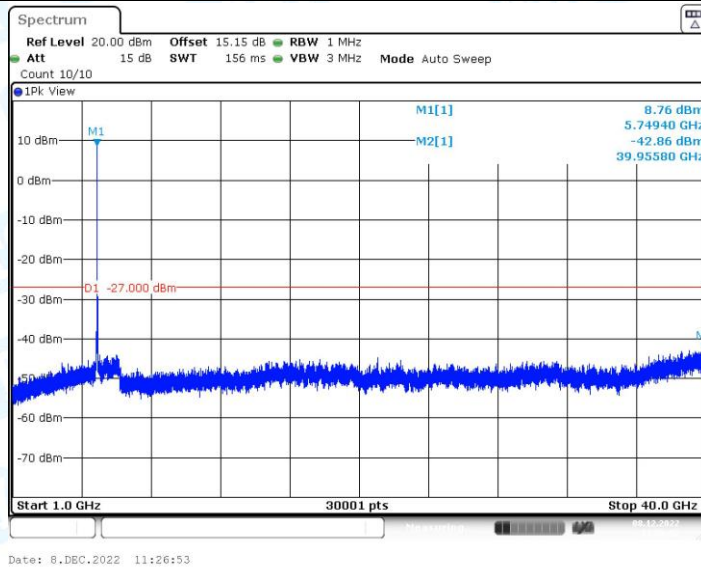
| Test Mode  | Antenna | Channel | FreqRange [MHz] | Max. Fre [MHz] | Max. Level [dBm] | Limit [dBm] | Verdict |
|------------|---------|---------|-----------------|----------------|------------------|-------------|---------|
| 11A        | Ant1    | 5745    | 30~1000         | 552.76         | -52.17           | ≤-27        | PASS    |
|            |         |         | 1000~40000      | 39955.8        | -42.86           | ≤-27        | PASS    |
|            |         | 5785    | 30~1000         | 254.01         | -52.54           | ≤-27        | PASS    |
|            |         |         | 1000~40000      | 39626.9        | -42.78           | ≤-27        | PASS    |
|            |         | 5825    | 30~1000         | 715.14         | -52.27           | ≤-27        | PASS    |
|            |         |         | 1000~40000      | 38913.2        | -42.79           | ≤-27        | PASS    |
| 11N20SISO  | Ant1    | 5745    | 30~1000         | 864.58         | -50.82           | ≤-27        | PASS    |
|            |         |         | 1000~40000      | 39532          | -41.87           | ≤-27        | PASS    |
|            |         | 5785    | 30~1000         | 770.94         | -51.35           | ≤-27        | PASS    |
|            |         |         | 1000~40000      | 39985.7        | -42.36           | ≤-27        | PASS    |
|            |         | 5825    | 30~1000         | 706.41         | -52.28           | ≤-27        | PASS    |
|            |         |         | 1000~40000      | 39135.5        | -42.84           | ≤-27        | PASS    |
| 11N40SISO  | Ant1    | 5755    | 30~1000         | 861.38         | -51.62           | ≤-27        | PASS    |
|            |         |         | 1000~40000      | 38980.8        | -42.04           | ≤-27        | PASS    |
|            |         | 5795    | 30~1000         | 145.15         | -52.82           | ≤-27        | PASS    |
|            |         |         | 1000~40000      | 39990.9        | -42.17           | ≤-27        | PASS    |
| 11AC20SISO | Ant1    | 5745    | 30~1000         | 794.58         | -51.87           | ≤-27        | PASS    |
|            |         |         | 1000~40000      | 39467          | -41.65           | ≤-27        | PASS    |
|            |         | 5785    | 30~1000         | 862.73         | -52.51           | ≤-27        | PASS    |
|            |         |         | 1000~40000      | 38650.6        | -43.46           | ≤-27        | PASS    |
|            |         | 5825    | 30~1000         | 889.41         | -52.21           | ≤-27        | PASS    |
|            |         |         | 1000~40000      | 39853.1        | -41.96           | ≤-27        | PASS    |
| 11AC40SISO | Ant1    | 5755    | 30~1000         | 959.54         | -51.74           | ≤-27        | PASS    |
|            |         |         | 1000~40000      | 39400.7        | -42.26           | ≤-27        | PASS    |
|            |         | 5795    | 30~1000         | 707.38         | -51.72           | ≤-27        | PASS    |
|            |         |         | 1000~40000      | 39048.4        | -42.03           | ≤-27        | PASS    |
| 11AC80SISO | Ant1    | 5775    | 30~1000         | 892.64         | -52.21           | ≤-27        | PASS    |
|            |         |         | 1000~40000      | 39706.2        | -41.62           | ≤-27        | PASS    |



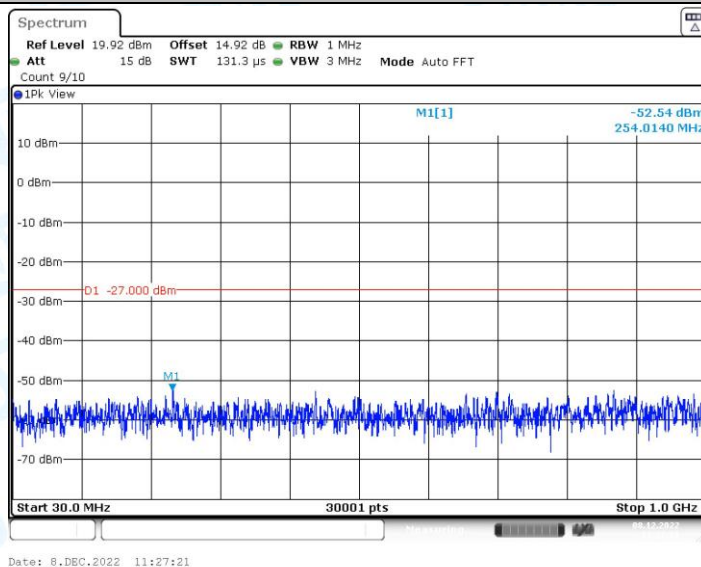
11A\_Ant1\_5745\_30~1000



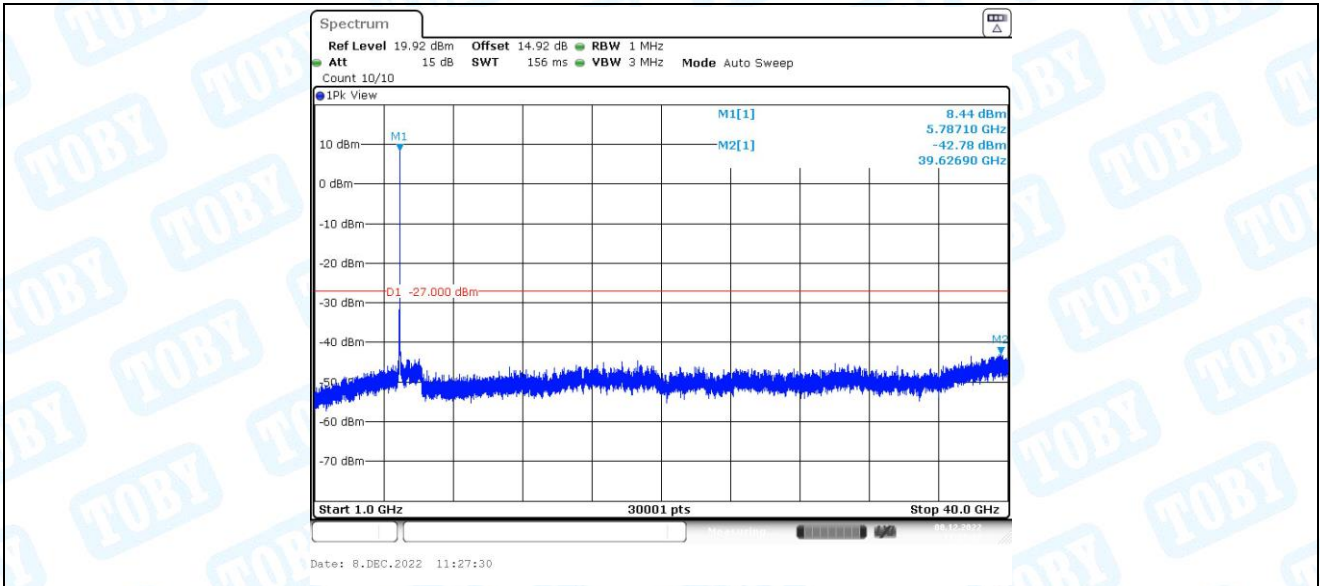
11A\_Ant1\_5745\_1000~40000



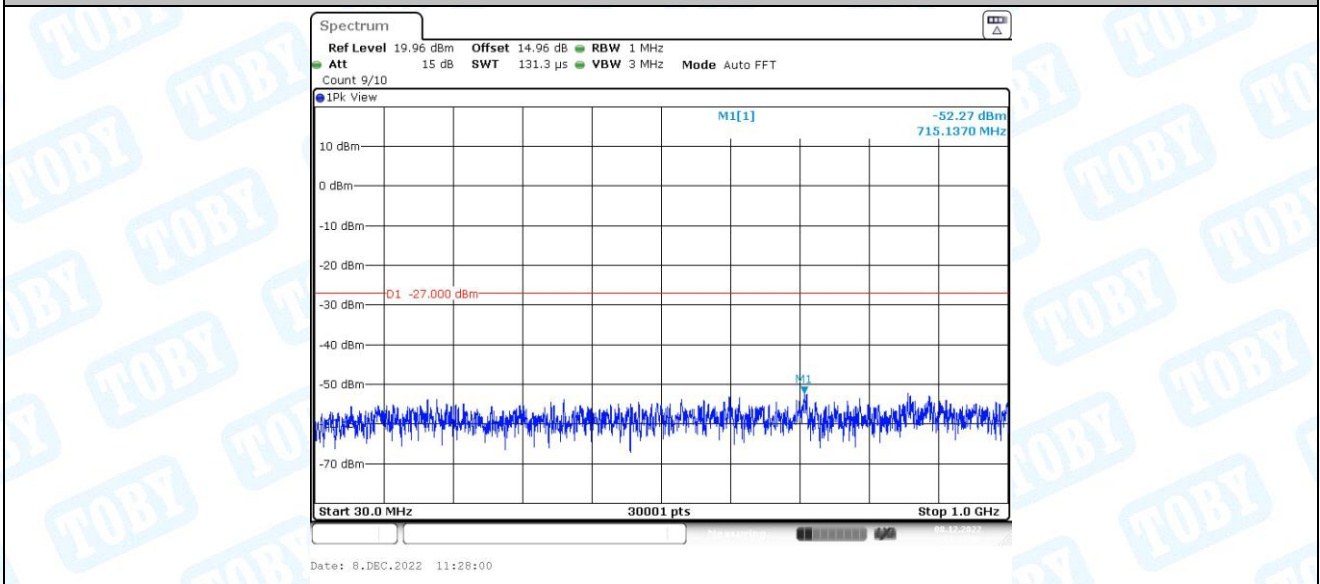
11A\_Ant1\_5785\_30~1000



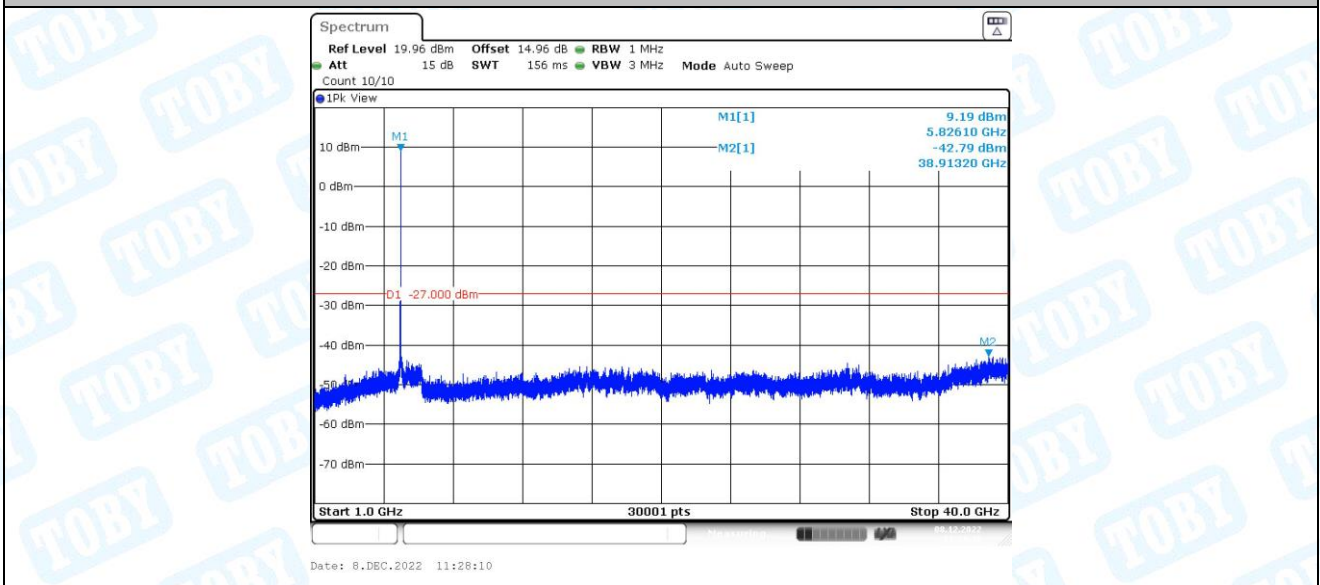
11A\_Ant1\_5785\_1000~40000



11A\_Ant1\_5825\_30~1000

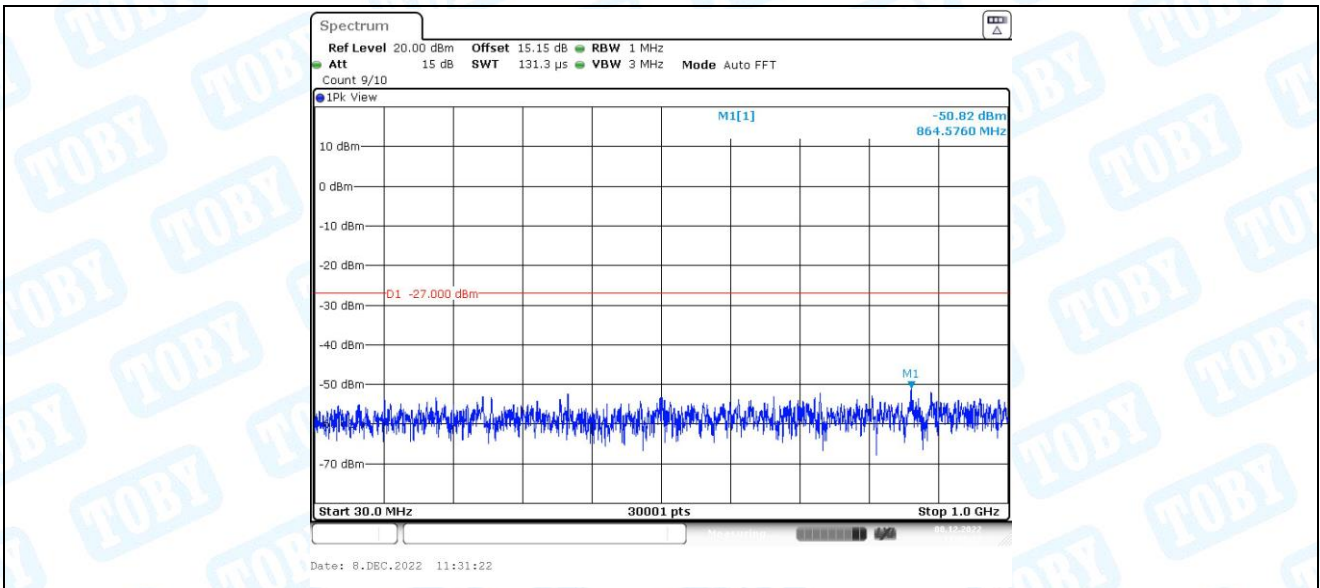


11A\_Ant1\_5825\_1000~40000

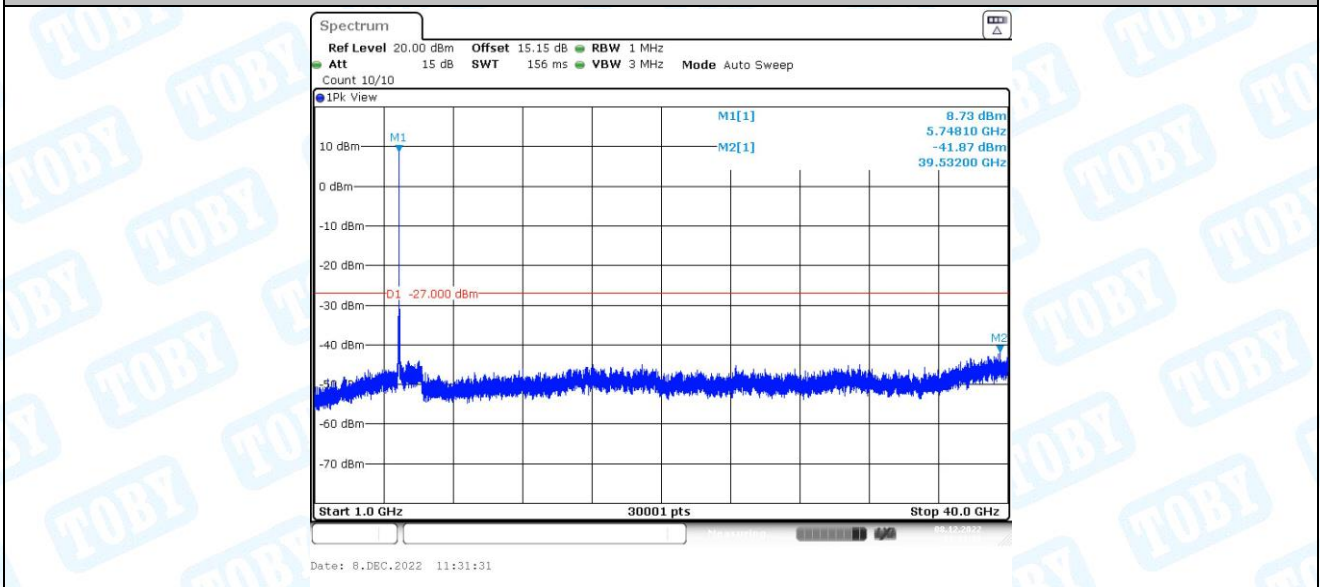


11N20SISO\_Ant1\_5745\_30~1000

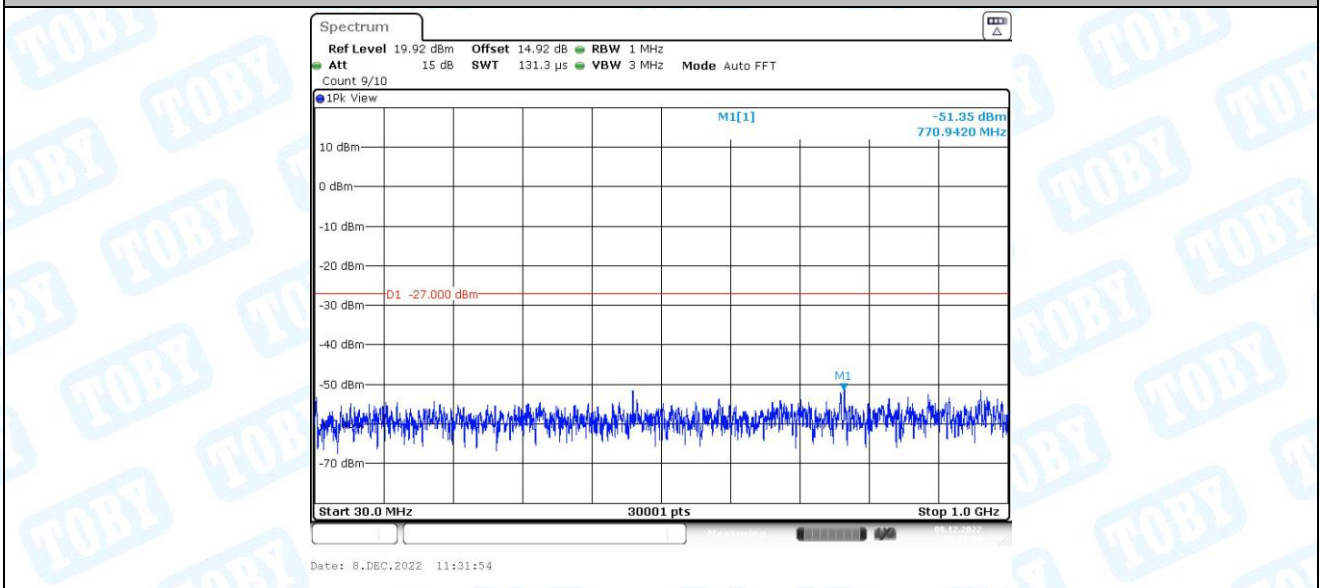




11N20SISO\_Ant1\_5745\_1000~40000



11N20SISO\_Ant1\_5785\_30~1000



11N20SISO\_Ant1\_5785\_1000~40000