

# Appendix---5.8G--ANT1

# HT250729014--AM9--5.8G--ANT1

## FCC\_5.8G\_WIFI (Part15.407) Test Data

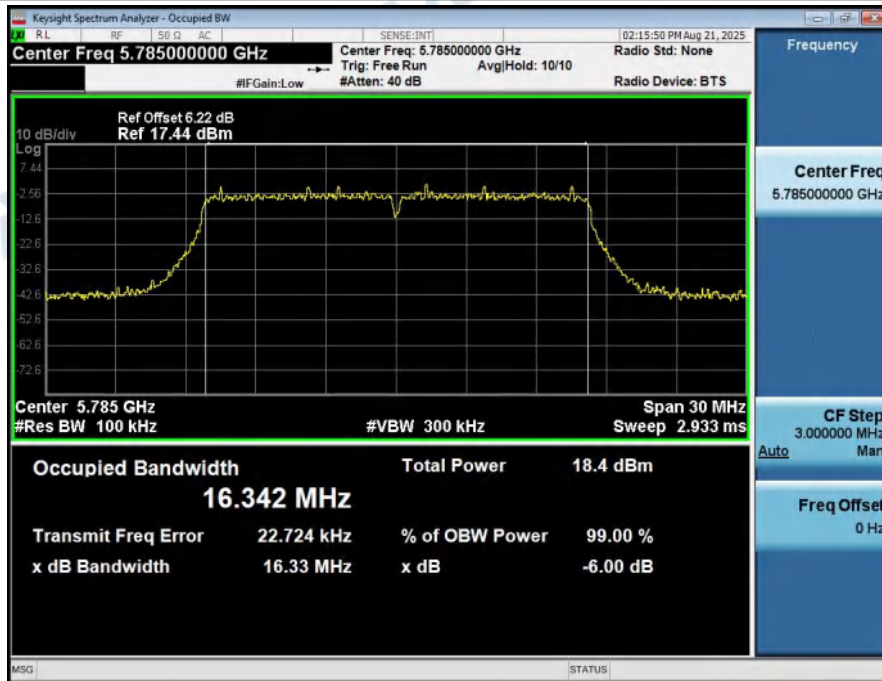
### 1. -6dB Emission Bandwidth

| Condition | Antenna | Mode            | Frequency(MHz) | -6dB_Emission_Bandwidth(MHz) | Limit(MHz) | Result |
|-----------|---------|-----------------|----------------|------------------------------|------------|--------|
| NVNT      | ANT1    | 802.11a         | 5745.00        | 16.328                       | 0.500      | Pass   |
| NVNT      | ANT1    | 802.11a         | 5785.00        | 16.330                       | 0.500      | Pass   |
| NVNT      | ANT1    | 802.11a         | 5825.00        | 16.336                       | 0.500      | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | 5745.00        | 17.581                       | 0.500      | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | 5785.00        | 17.575                       | 0.500      | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | 5825.00        | 17.262                       | 0.500      | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5745.00        | 17.589                       | 0.500      | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5785.00        | 17.570                       | 0.500      | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5825.00        | 17.301                       | 0.500      | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5745.00        | 17.378                       | 0.500      | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5785.00        | 17.382                       | 0.500      | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5825.00        | 17.419                       | 0.500      | Pass   |
| NVNT      | ANT1    | 802.11n(HT40)   | 5755.00        | 35.087                       | 0.500      | Pass   |
| NVNT      | ANT1    | 802.11n(HT40)   | 5795.00        | 34.264                       | 0.500      | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT40) | 5755.00        | 35.128                       | 0.500      | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT40) | 5795.00        | 35.197                       | 0.500      | Pass   |
| NVNT      | ANT1    | 802.11ax(HE40)  | 5755.00        | 35.177                       | 0.500      | Pass   |
| NVNT      | ANT1    | 802.11ax(HE40)  | 5795.00        | 35.195                       | 0.500      | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT80) | 5775.00        | 73.945                       | 0.500      | Pass   |
| NVNT      | ANT1    | 802.11ax(HE80)  | 5775.00        | 72.721                       | 0.500      | Pass   |

-6dB\_Emission\_Bandwidth\_NVNT\_ANT1\_802\_11a\_5745\_20M



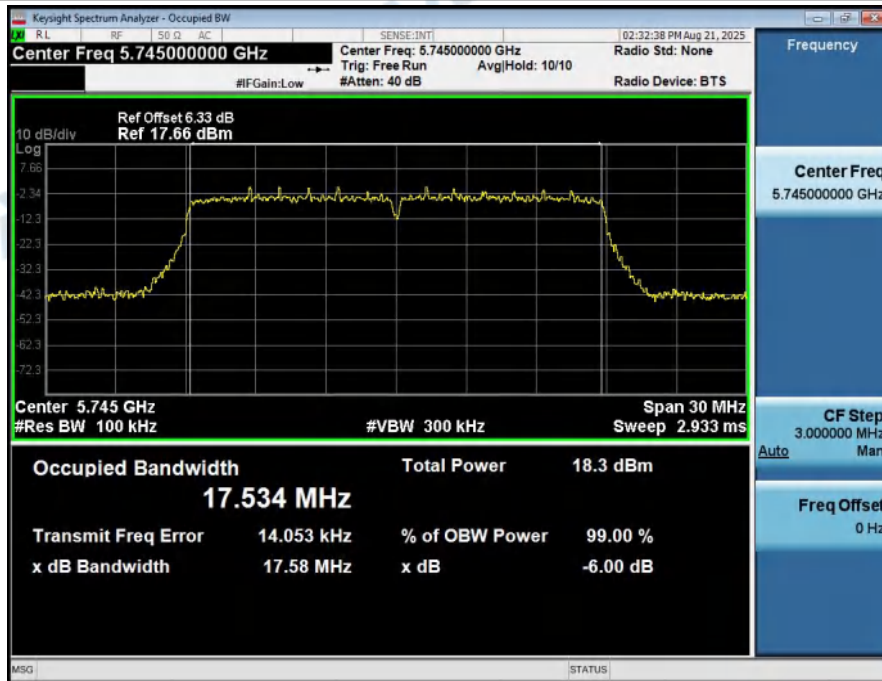
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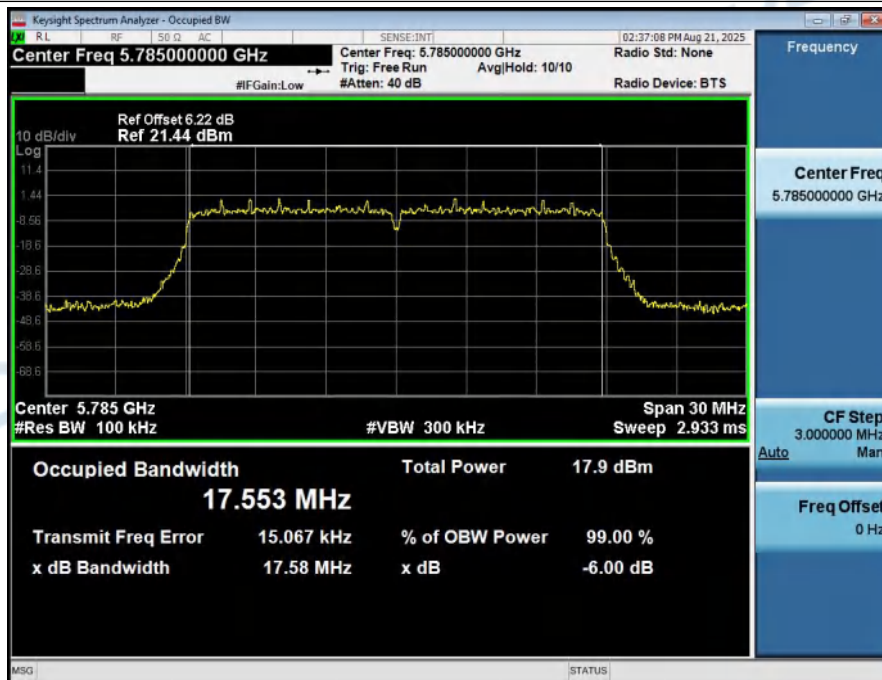
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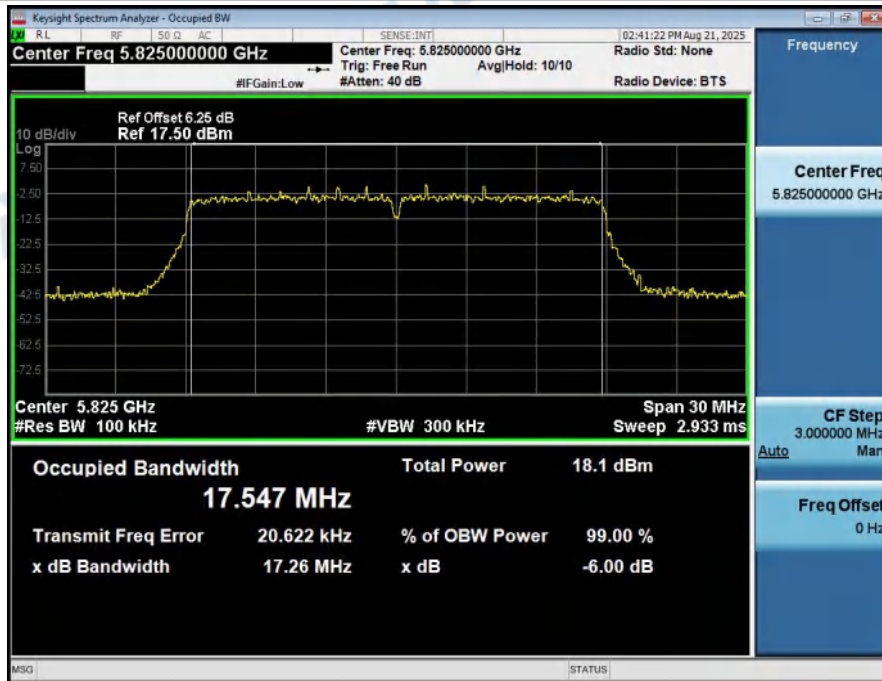
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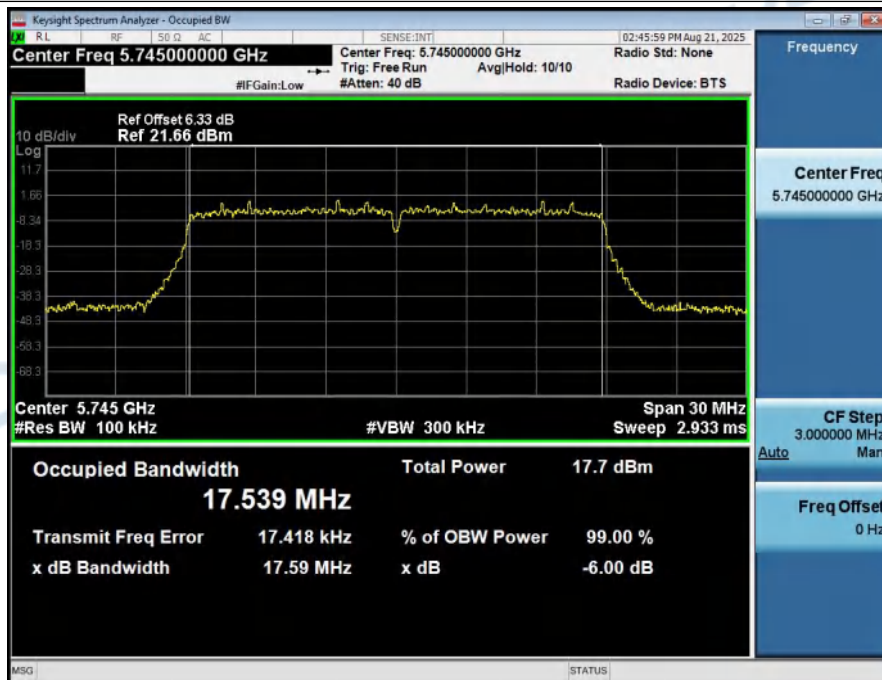
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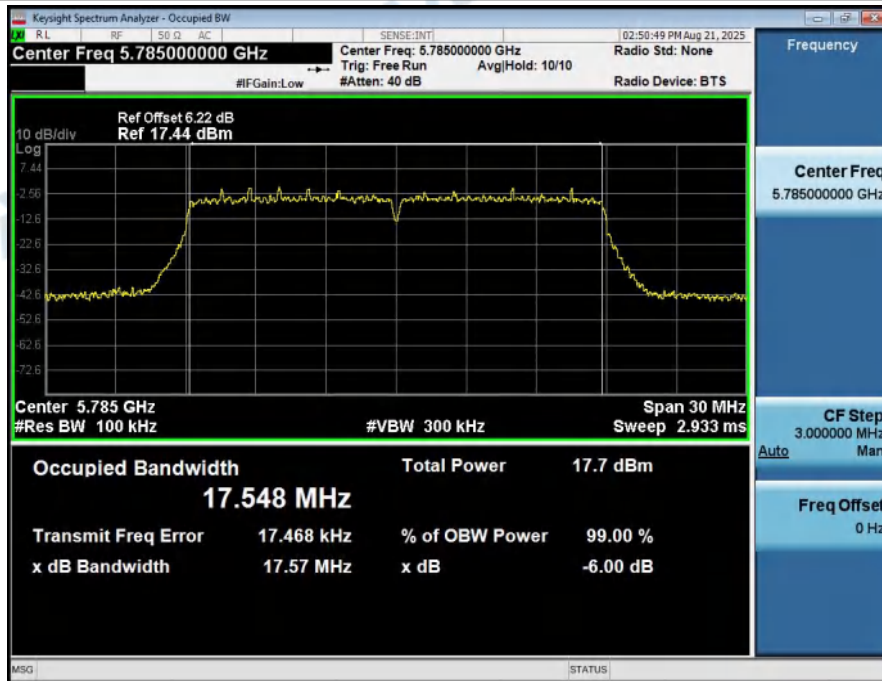
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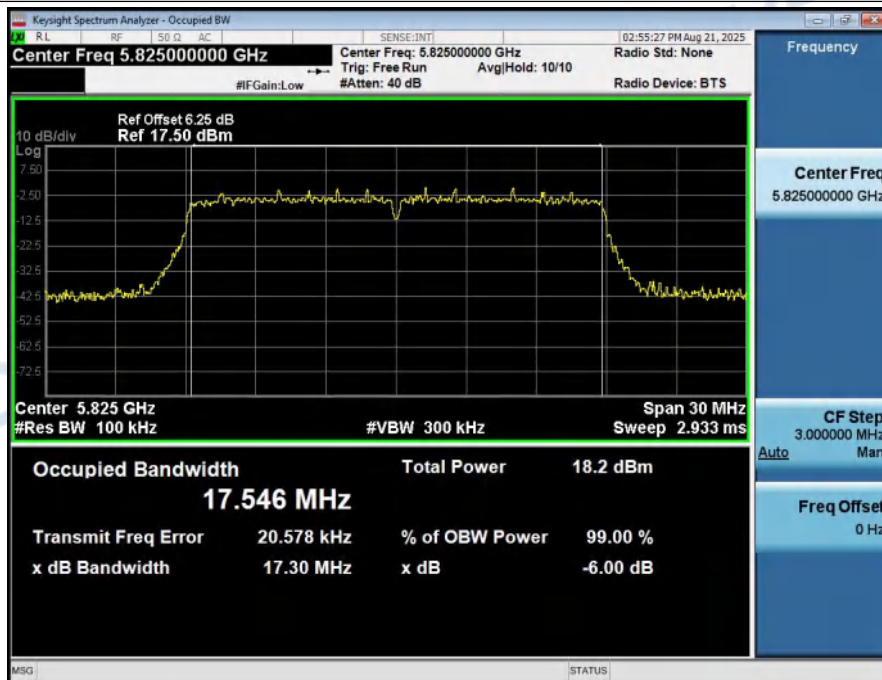
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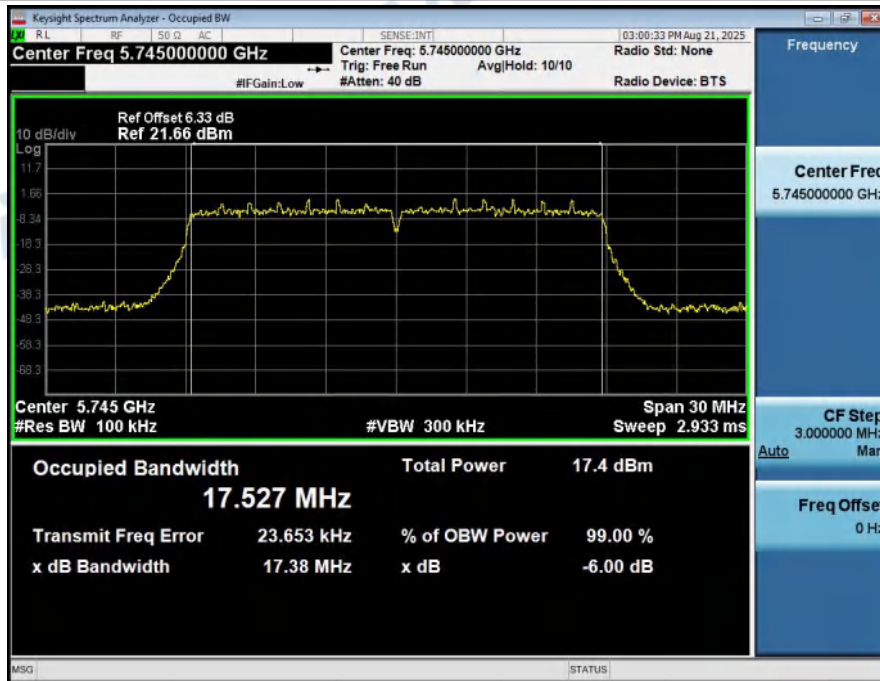
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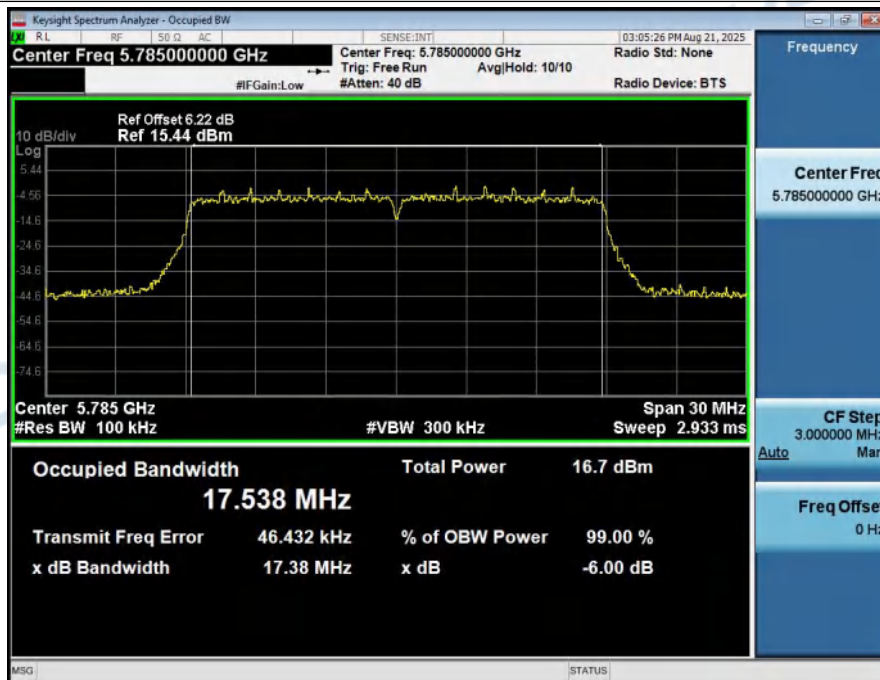
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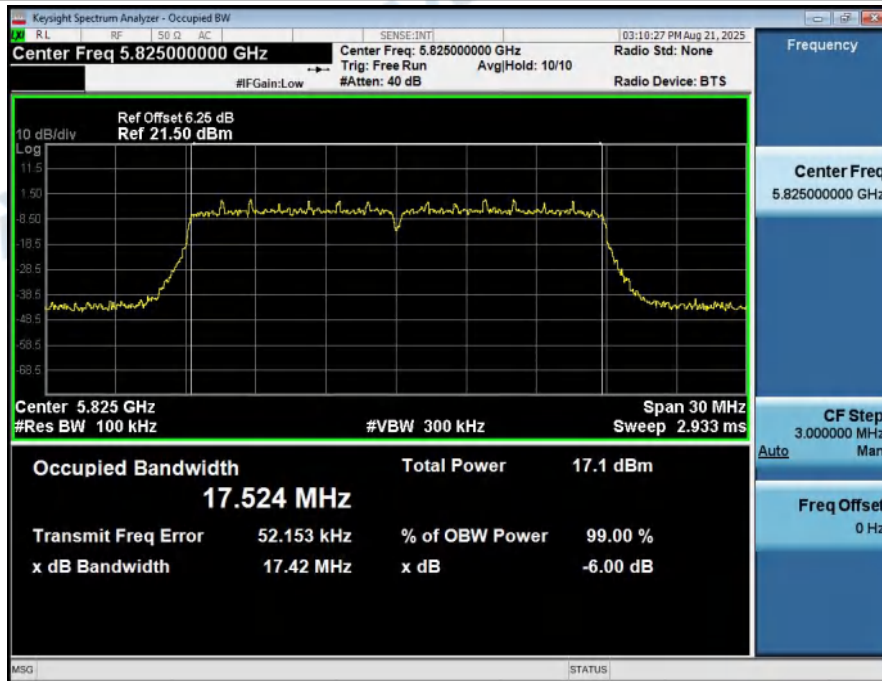
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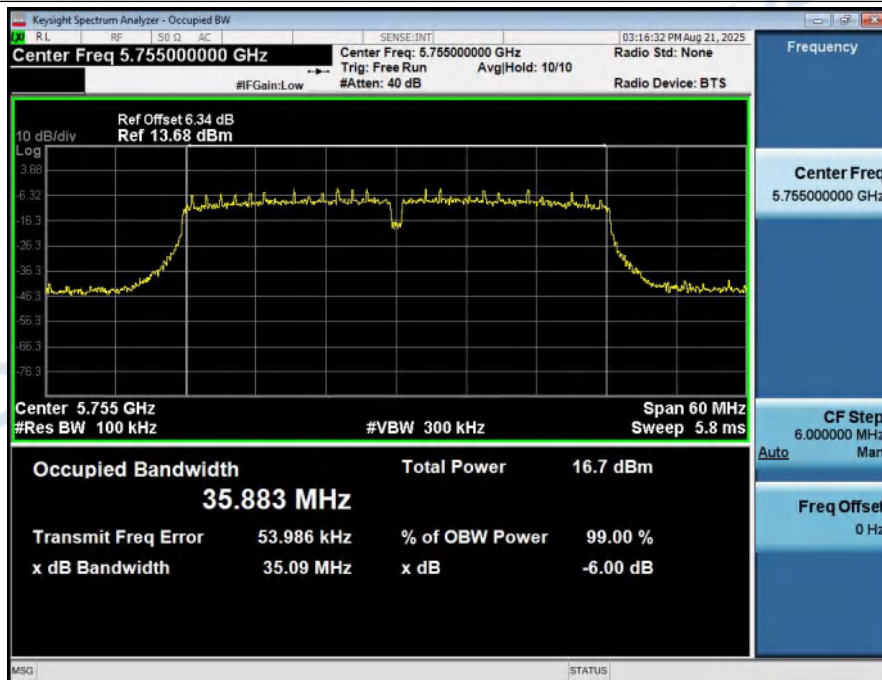
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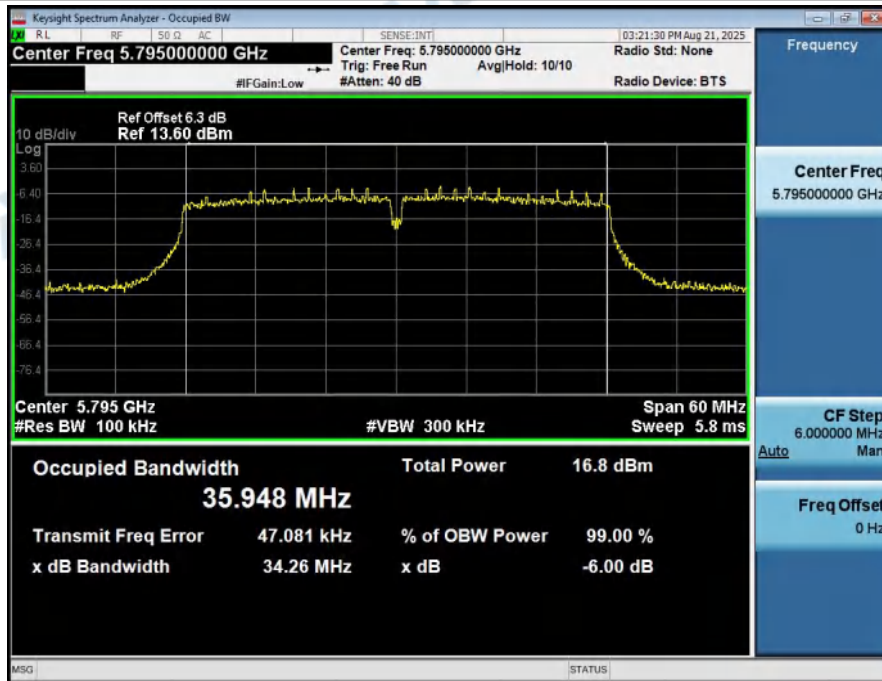
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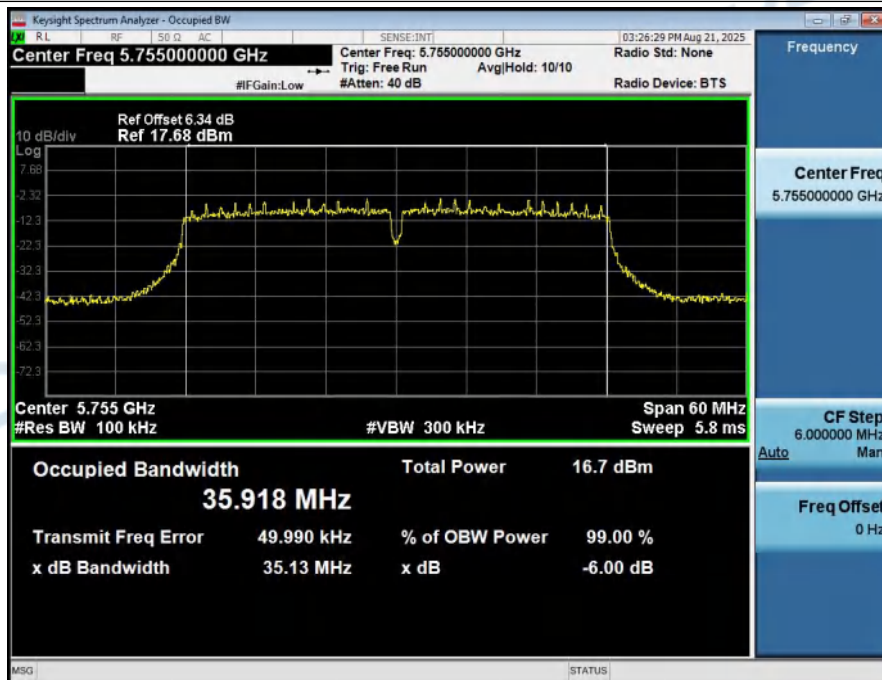
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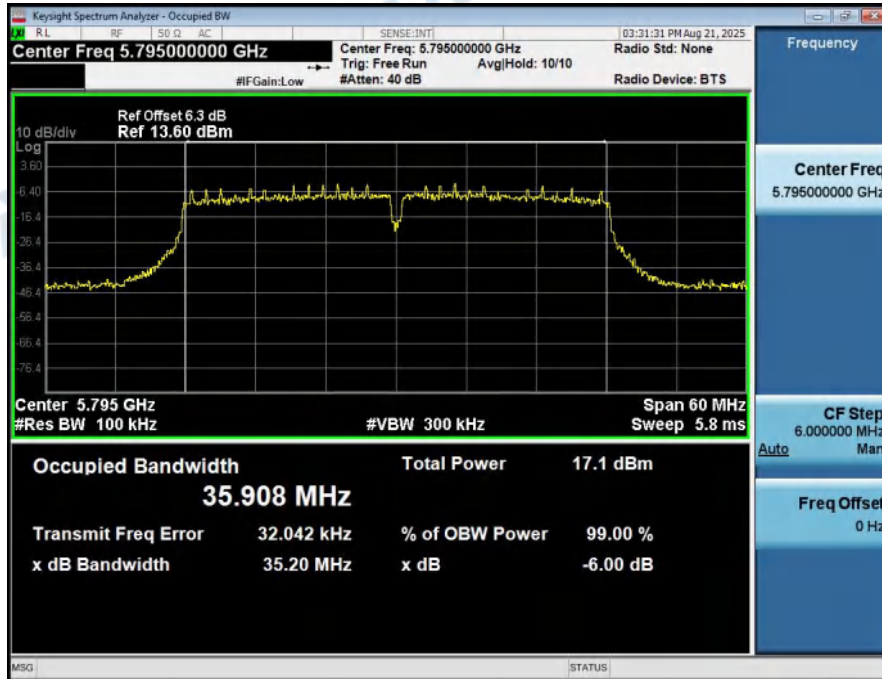
-6dB\_Emission\_Bandwidth\_NVNT\_ANT1\_802\_11n(HT40)\_5795\_40M



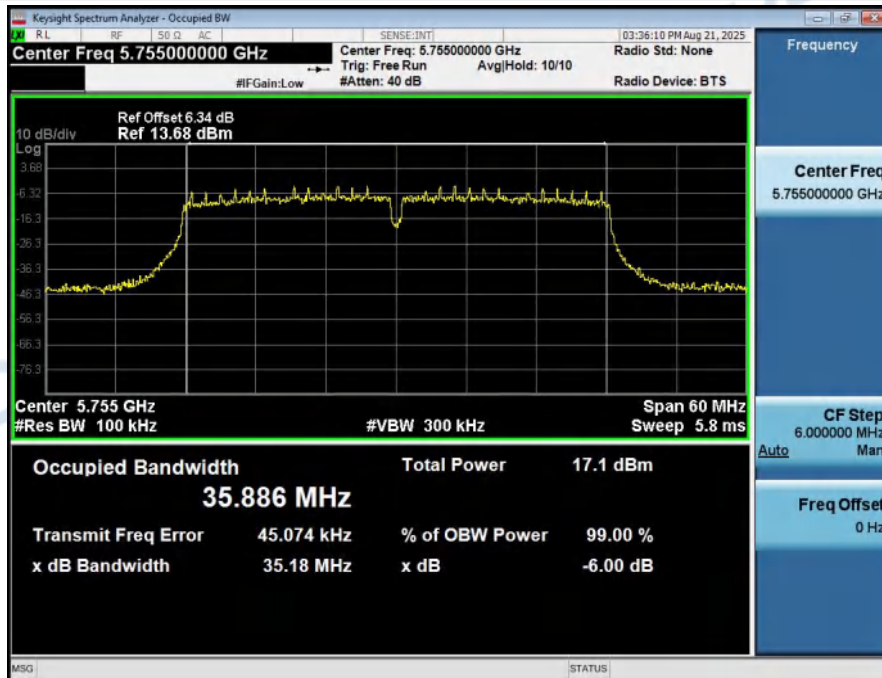
-6dB\_Emission\_Bandwidth\_NVNT\_ANT1\_802\_11ac(VHT40)\_5755\_40M



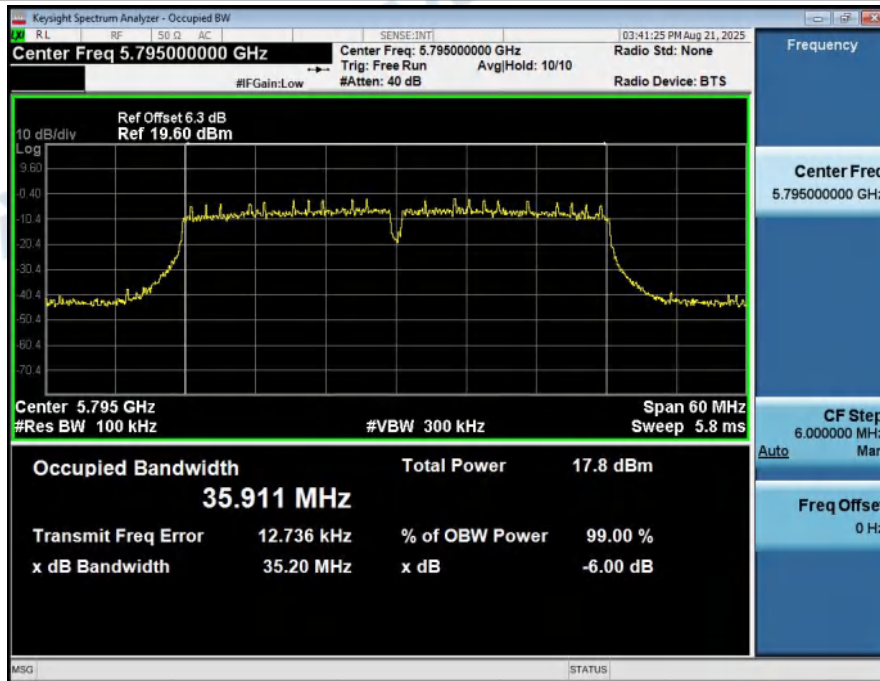
### -6dB\_Emission\_Bandwidth\_NVNT\_ANT1\_802\_11ac(VHT40)\_5795\_40M



### -6dB\_Emission\_Bandwidth\_NVNT\_ANT1\_802\_11ax(HE40)\_5755\_40M



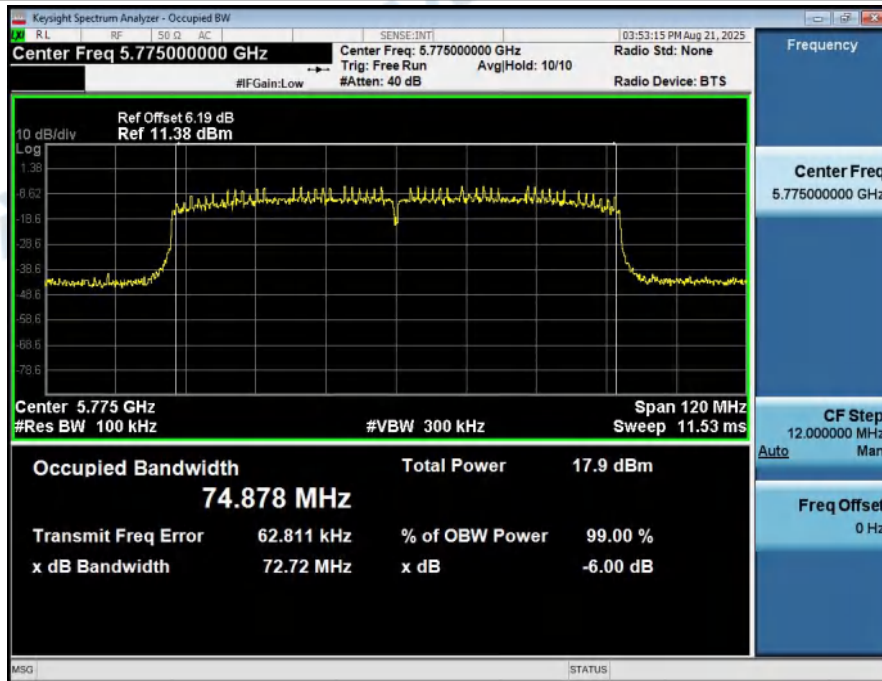
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### -6dB\_Emission\_Bandwidth\_NVNT\_ANT1\_802\_11ac(VHT80)\_5775\_80M



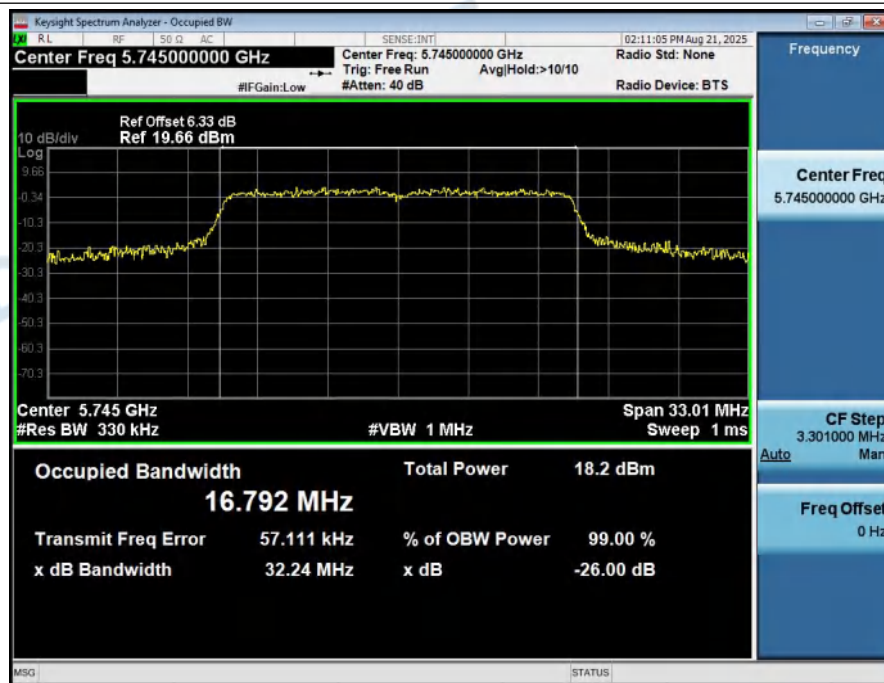
# -6dB\_Emission\_Bandwidth\_NVNT\_ANT1\_802\_11ax(HE80)\_5775\_80M



## 2. -26dB and 99% Emission Bandwidth

| Condition | Antenna | Modulation      | Frequency(MHz) | -26dB_Emission_Bandwidth(MHz) | Occupied Bandwidth(MHz) |
|-----------|---------|-----------------|----------------|-------------------------------|-------------------------|
| NVNT      | ANT1    | 802.11a         | 5745.00        | 29.13                         | 16.80                   |
| NVNT      | ANT1    | 802.11a         | 5785.00        | 18.33                         | 16.43                   |
| NVNT      | ANT1    | 802.11a         | 5825.00        | 18.23                         | 16.42                   |
| NVNT      | ANT1    | 802.11n(HT20)   | 5745.00        | 19.35                         | 17.59                   |
| NVNT      | ANT1    | 802.11n(HT20)   | 5785.00        | 19.39                         | 17.62                   |
| NVNT      | ANT1    | 802.11n(HT20)   | 5825.00        | 19.35                         | 17.59                   |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5745.00        | 19.36                         | 17.59                   |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5785.00        | 19.29                         | 17.61                   |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5825.00        | 19.41                         | 17.60                   |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5745.00        | 19.19                         | 17.58                   |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5785.00        | 19.27                         | 17.61                   |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5825.00        | 19.21                         | 17.59                   |
| NVNT      | ANT1    | 802.11n(HT40)   | 5755.00        | 40.99                         | 36.27                   |
| NVNT      | ANT1    | 802.11n(HT40)   | 5795.00        | 40.90                         | 36.26                   |
| NVNT      | ANT1    | 802.11ac(VHT40) | 5755.00        | 40.56                         | 36.21                   |
| NVNT      | ANT1    | 802.11ac(VHT40) | 5795.00        | 41.09                         | 36.20                   |
| NVNT      | ANT1    | 802.11ax(HE40)  | 5755.00        | 40.74                         | 36.14                   |
| NVNT      | ANT1    | 802.11ax(HE40)  | 5795.00        | 40.58                         | 36.12                   |
| NVNT      | ANT1    | 802.11ac(VHT80) | 5775.00        | 80.73                         | 74.94                   |
| NVNT      | ANT1    | 802.11ax(HE80)  | 5775.00        | 80.70                         | 74.87                   |

99%\_OCB\_NVNT\_ANT1\_802\_11a\_5745



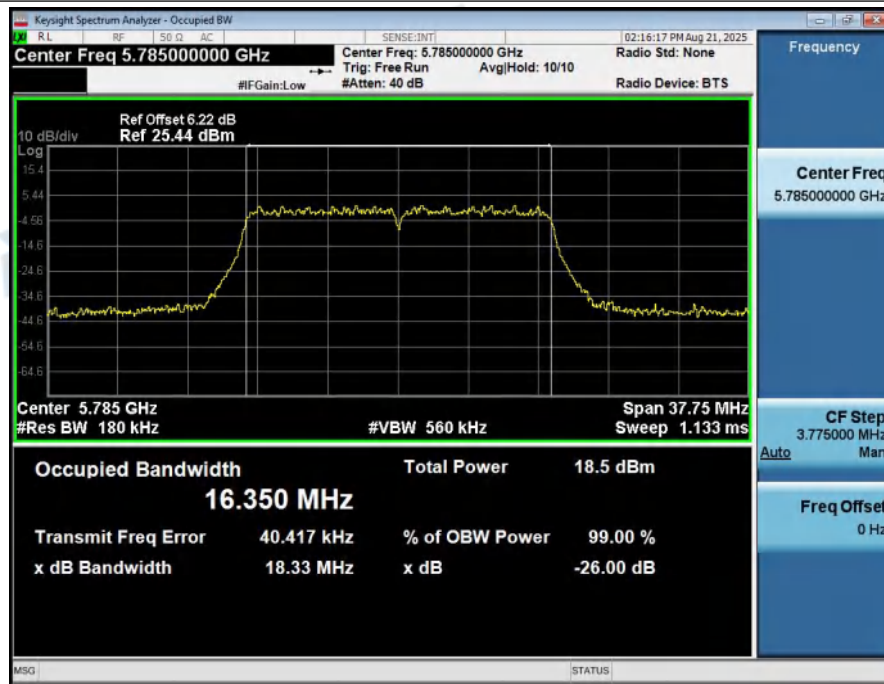
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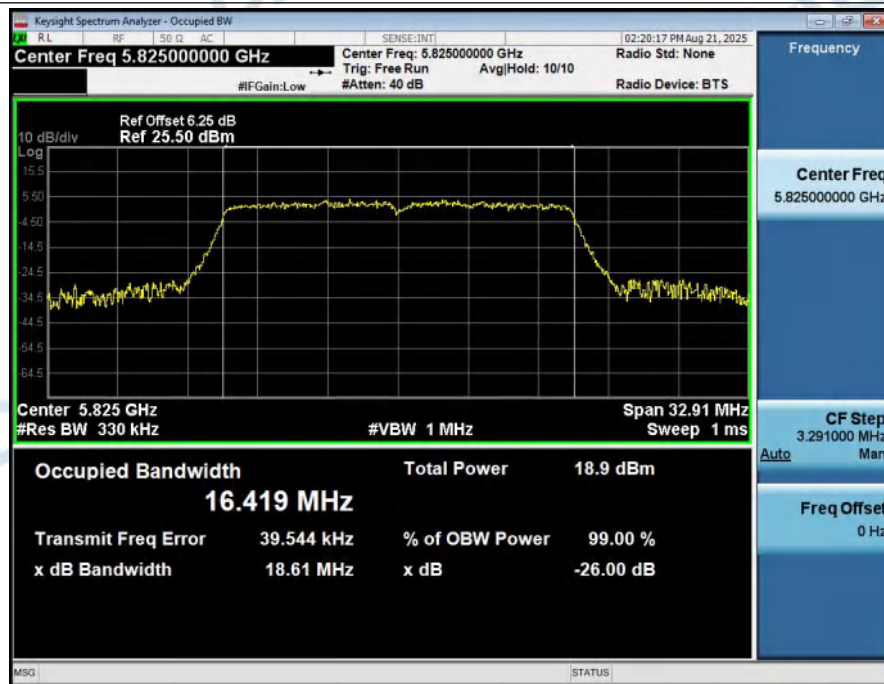
99%\_OCB\_NVNT\_ANT1\_802\_11a\_5785



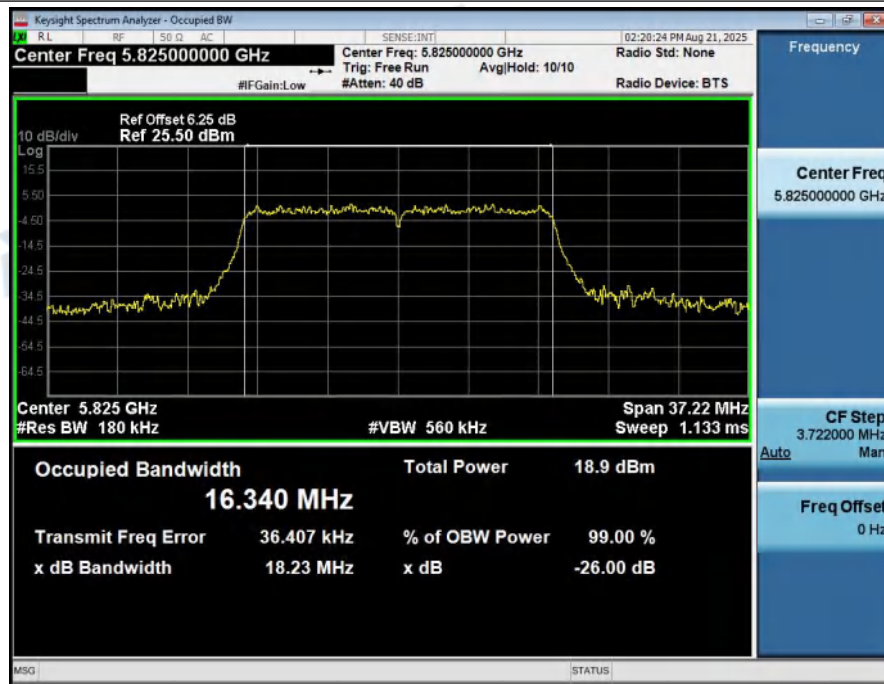
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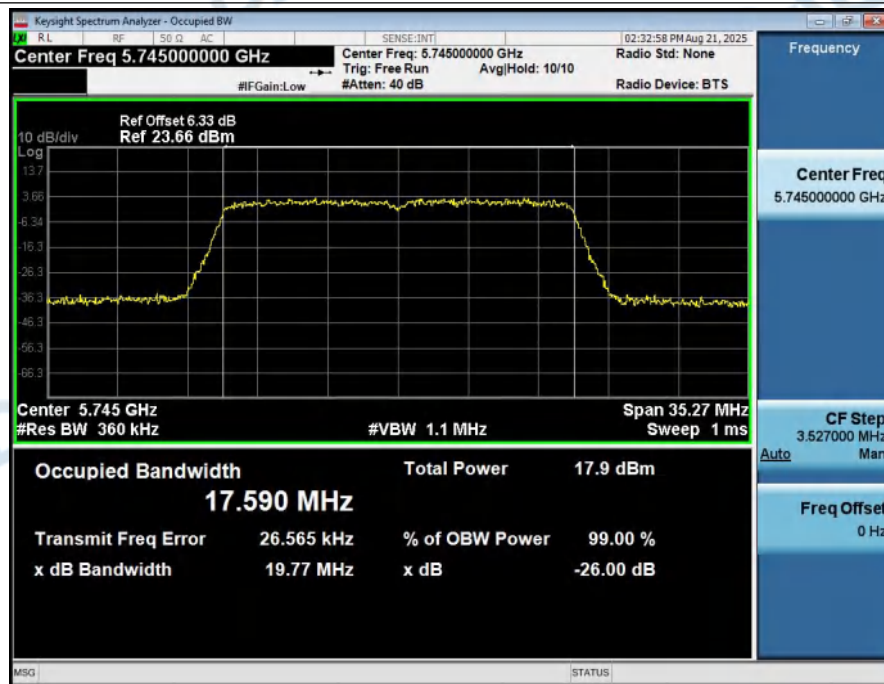
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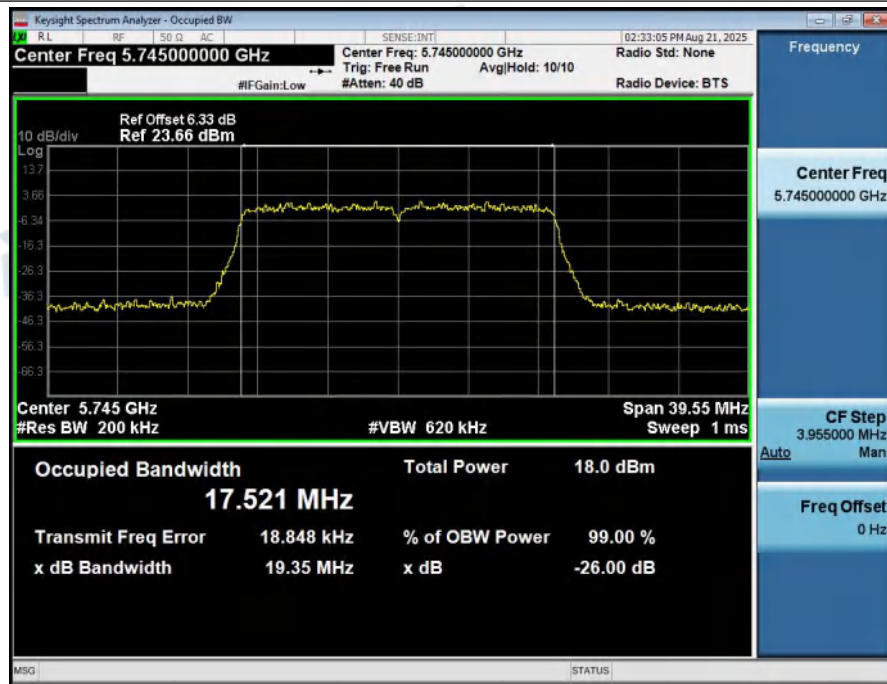
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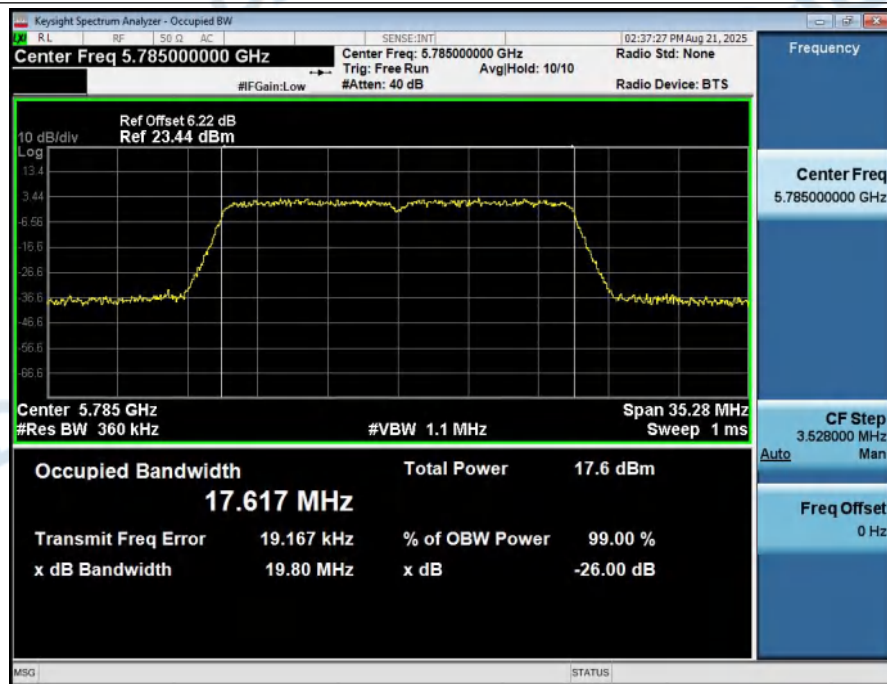
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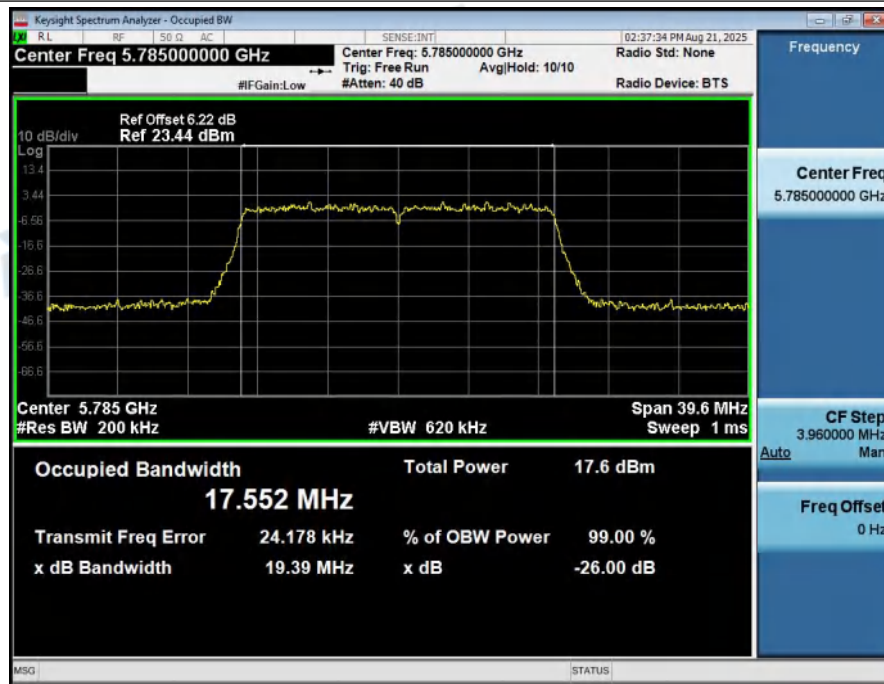
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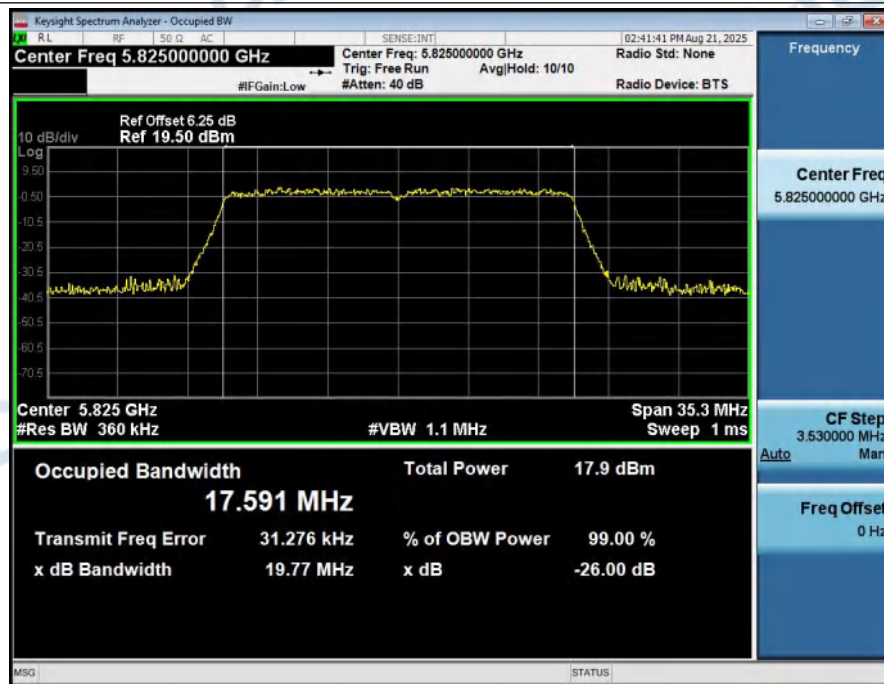
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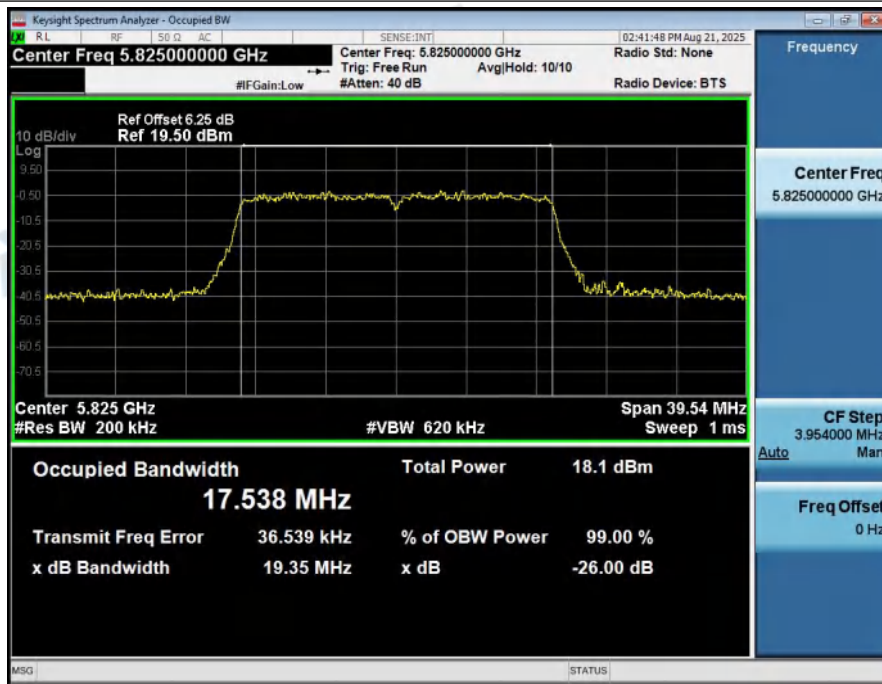
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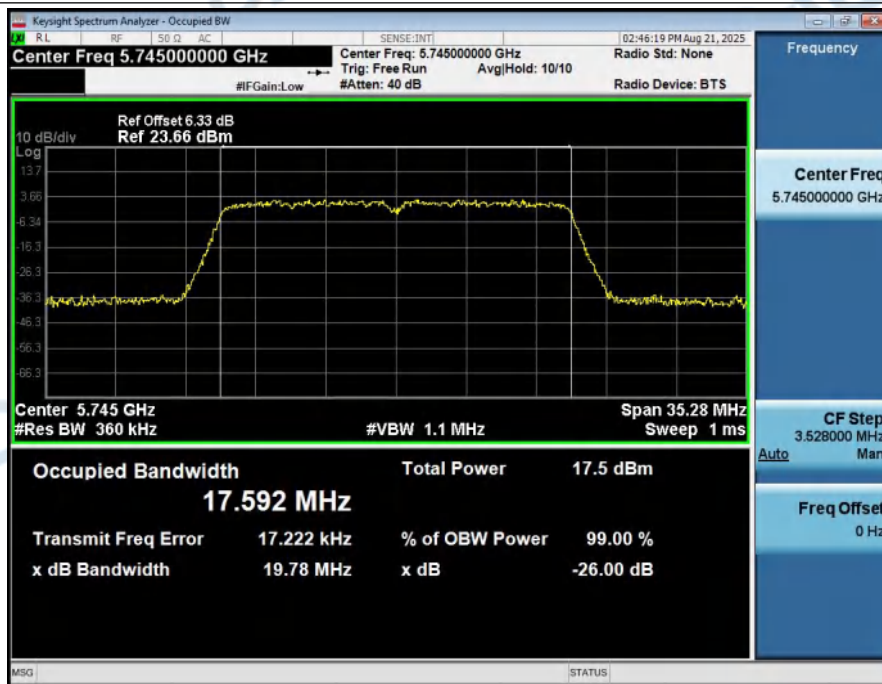
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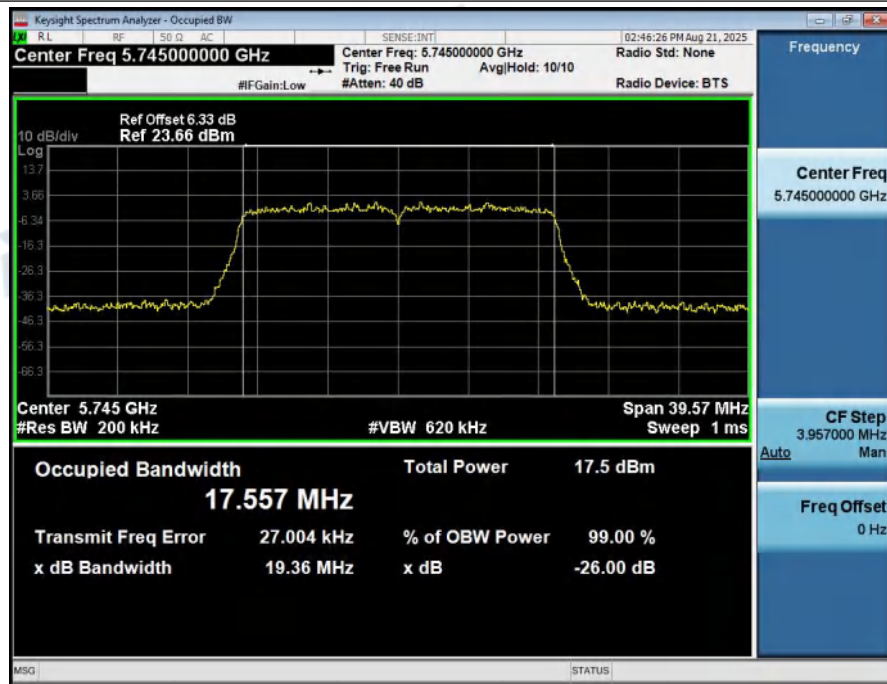
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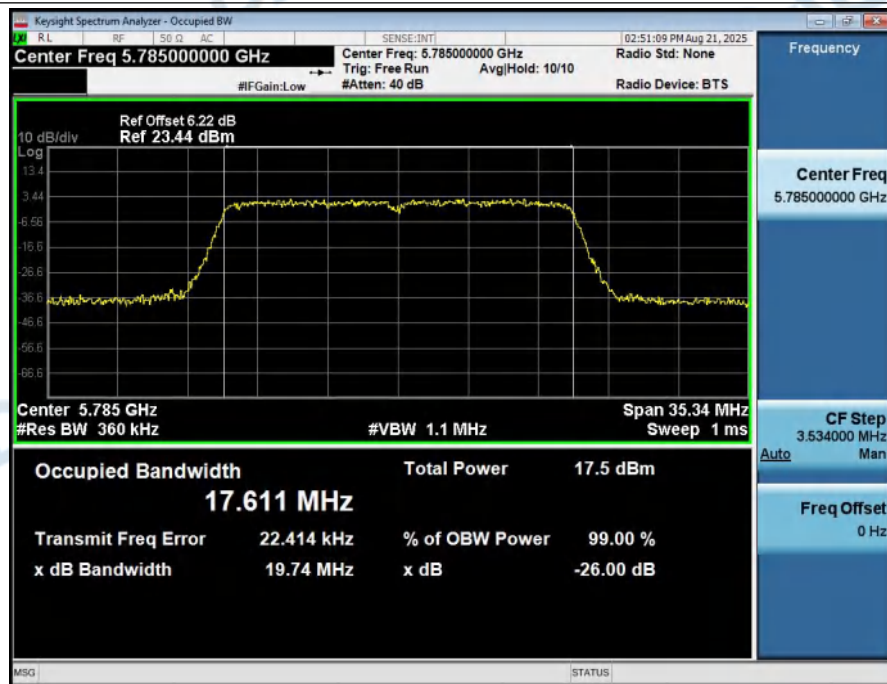
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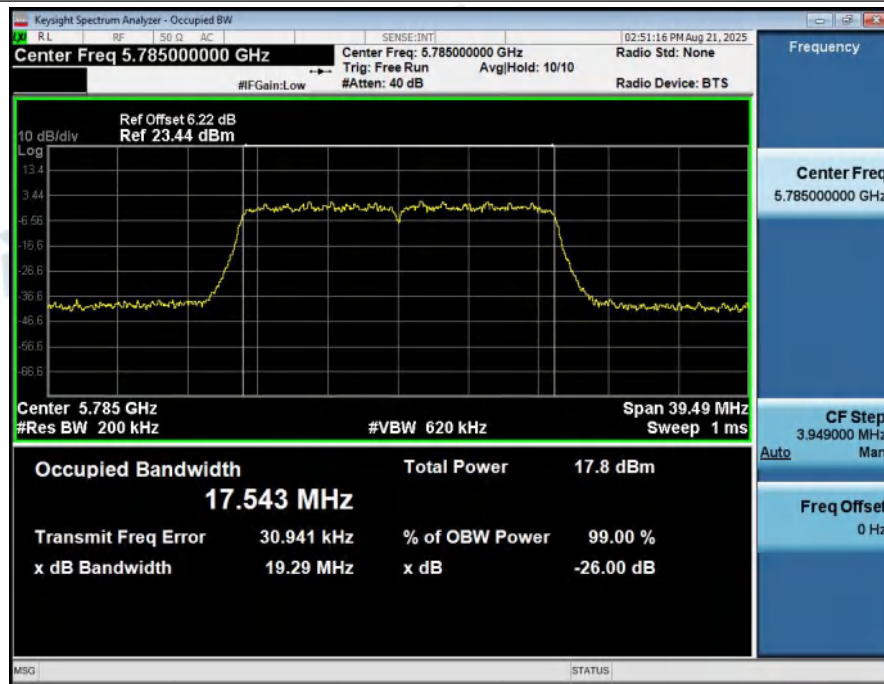
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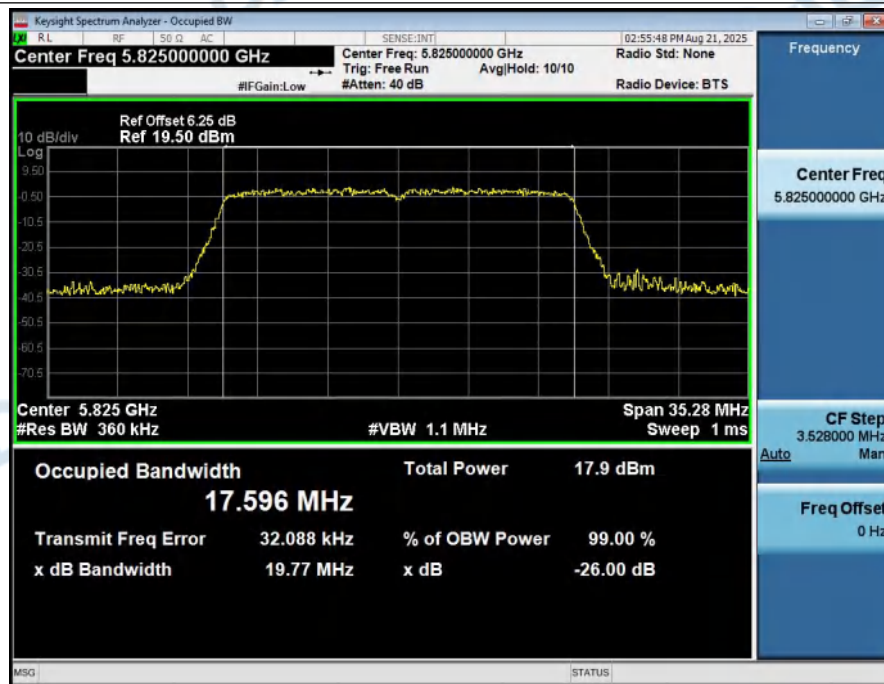
99%\_OCB\_NVNT\_ANT1\_802\_11ac(VHT20)\_5785



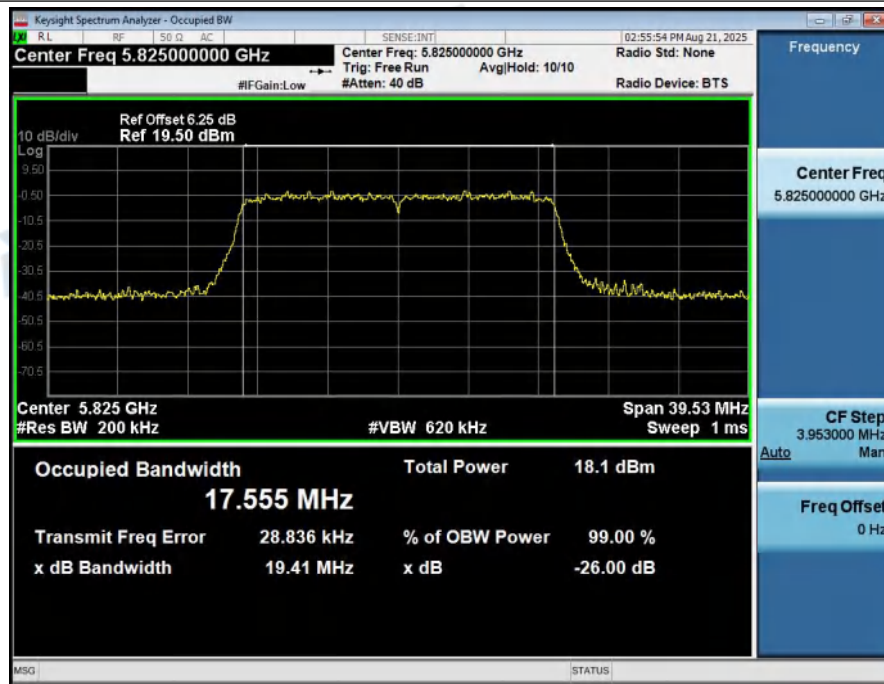
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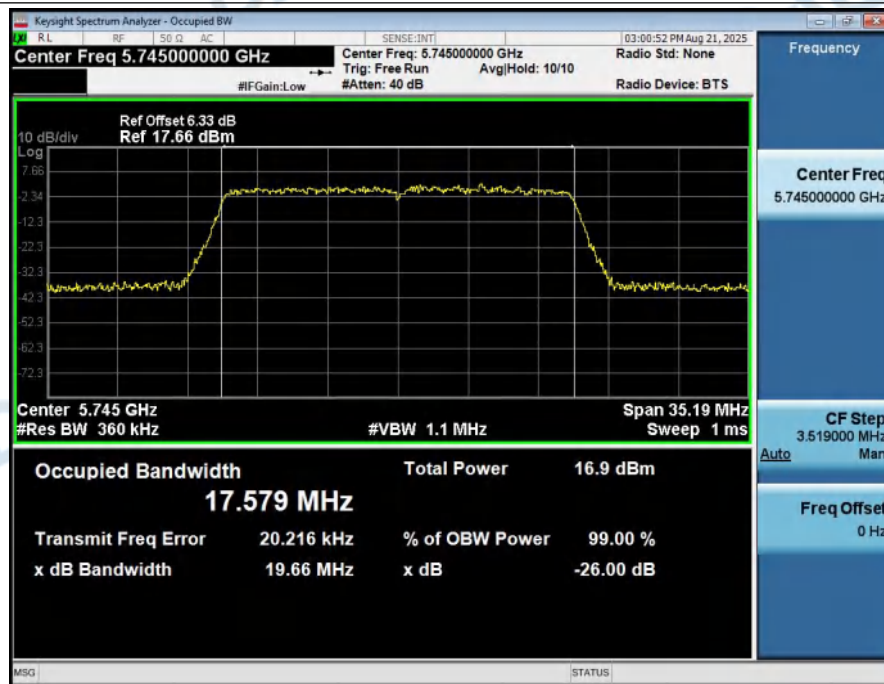
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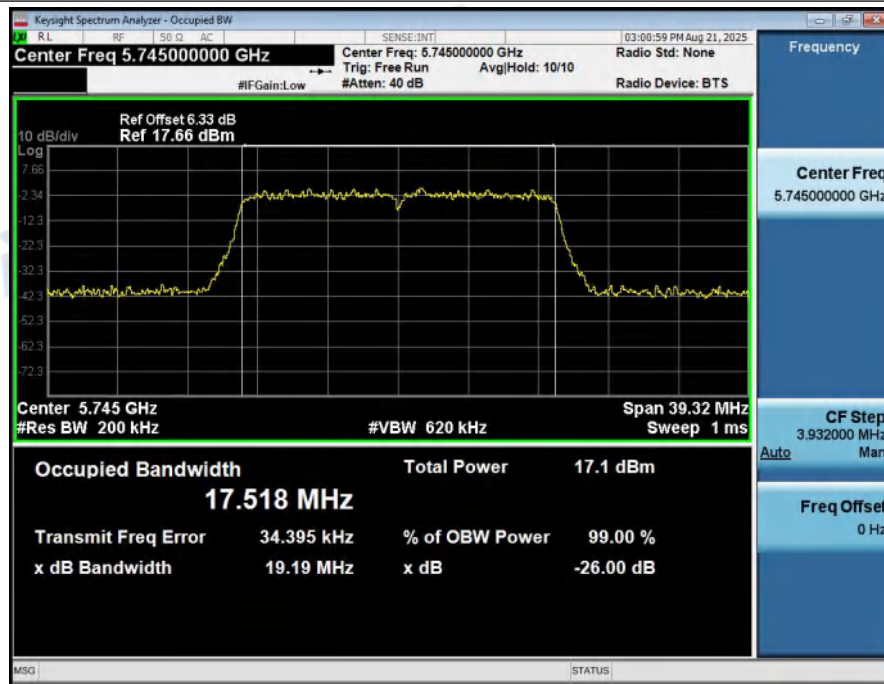
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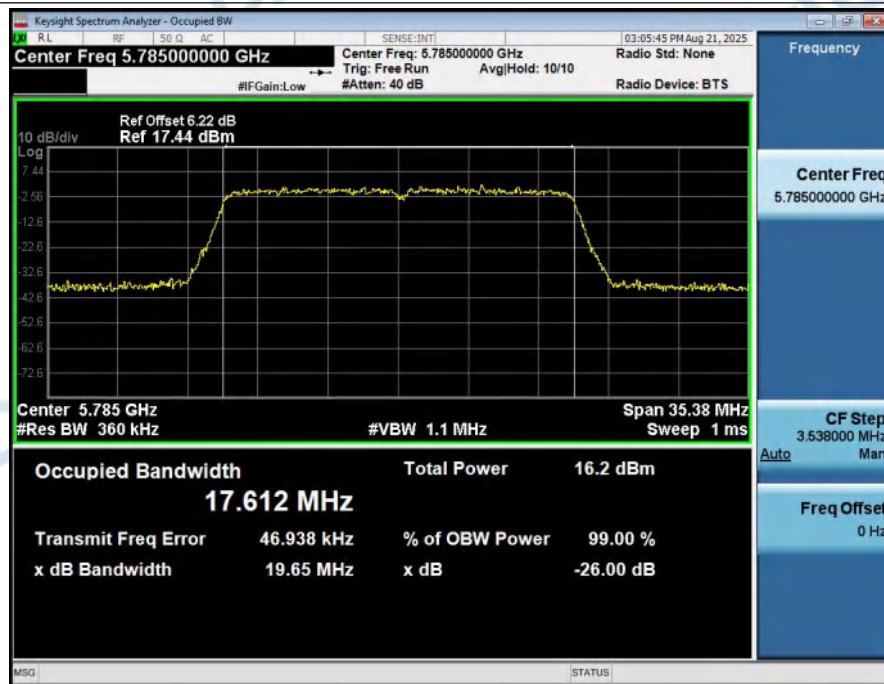
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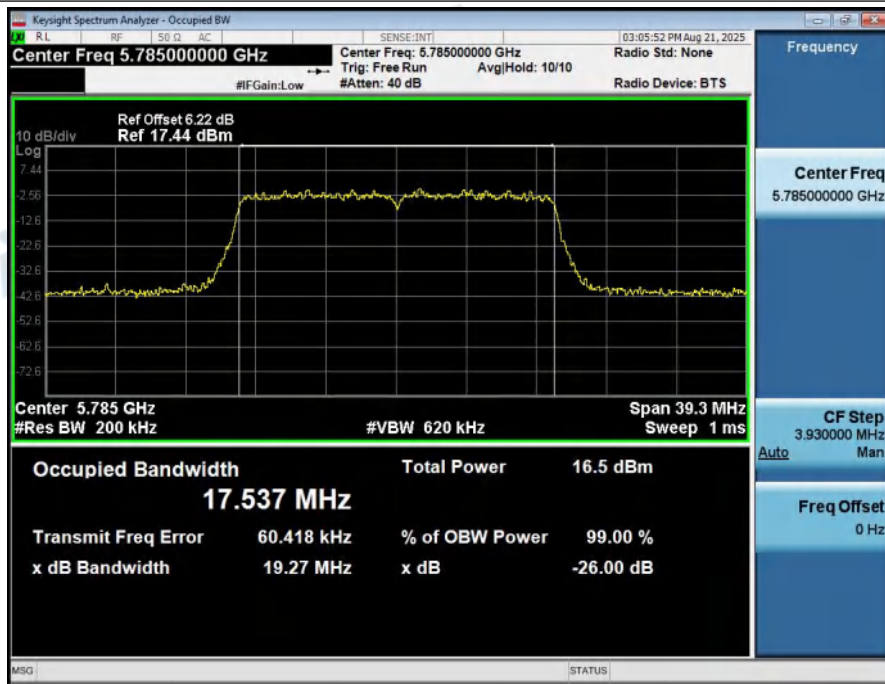
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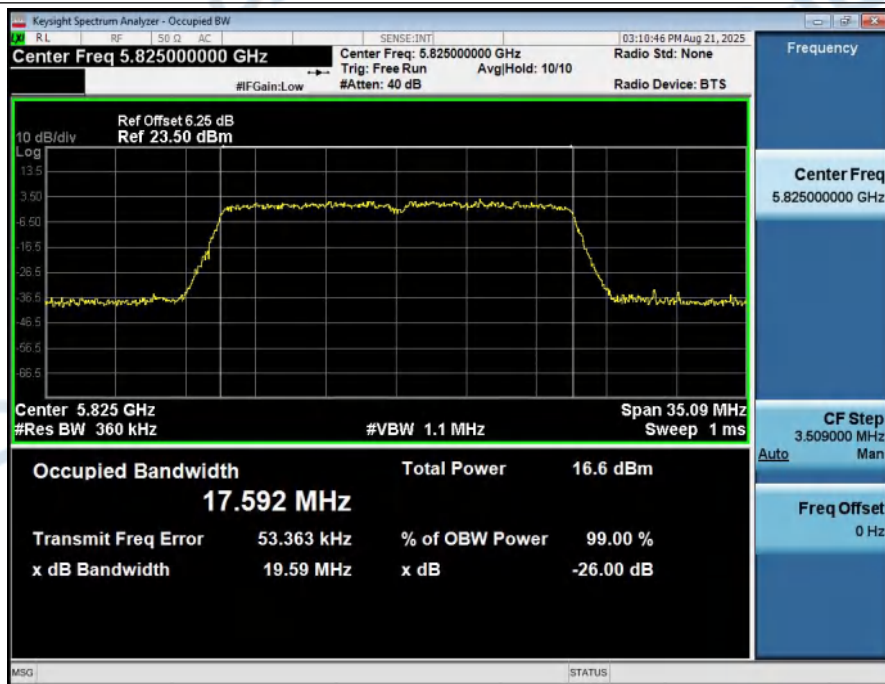
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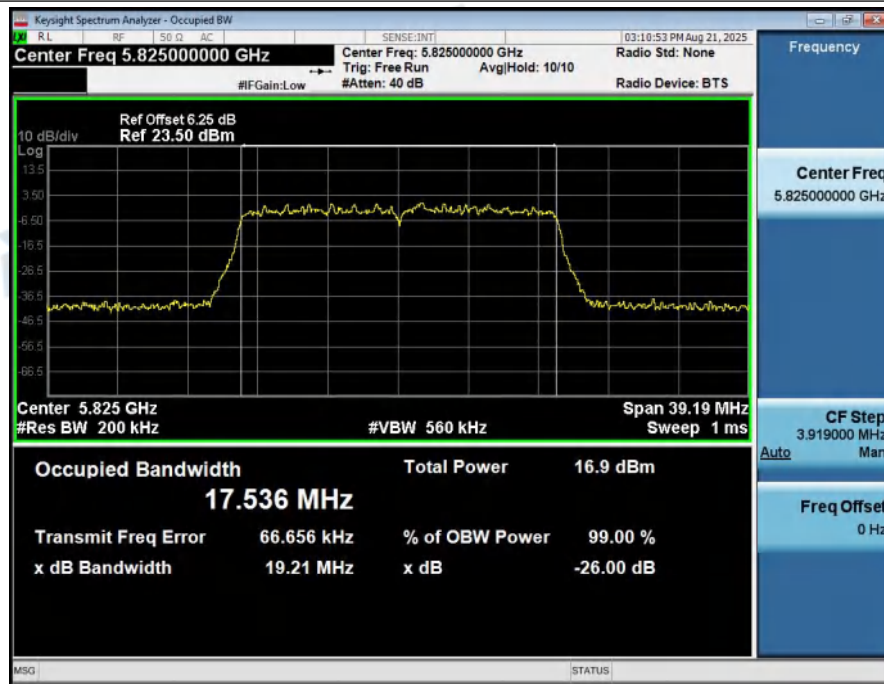
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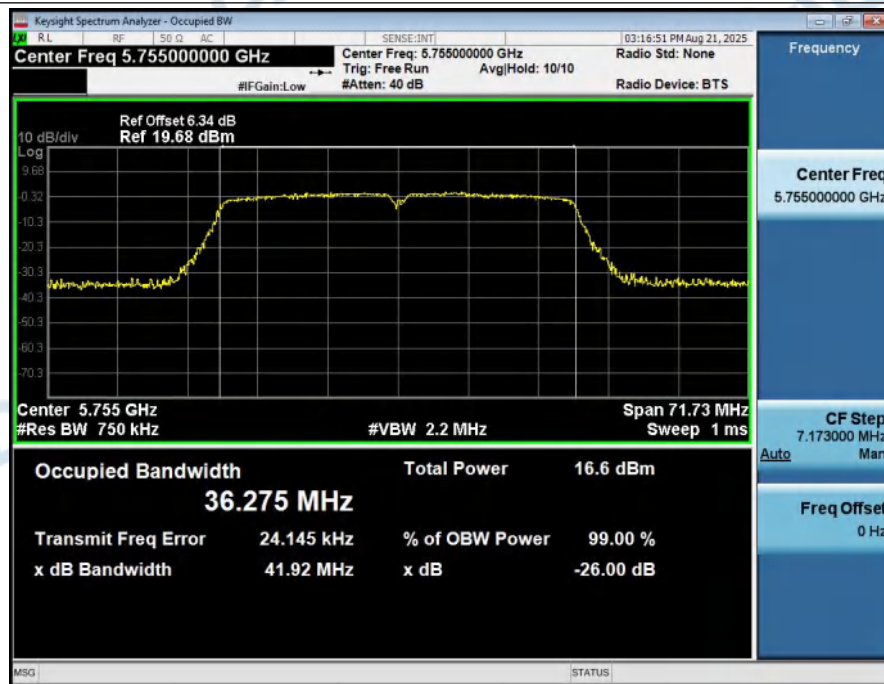
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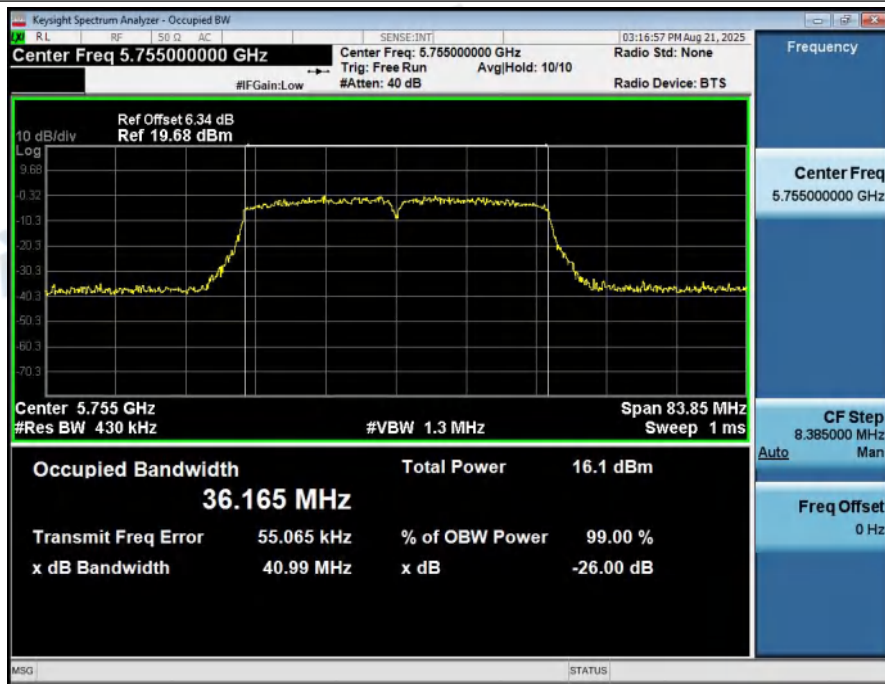
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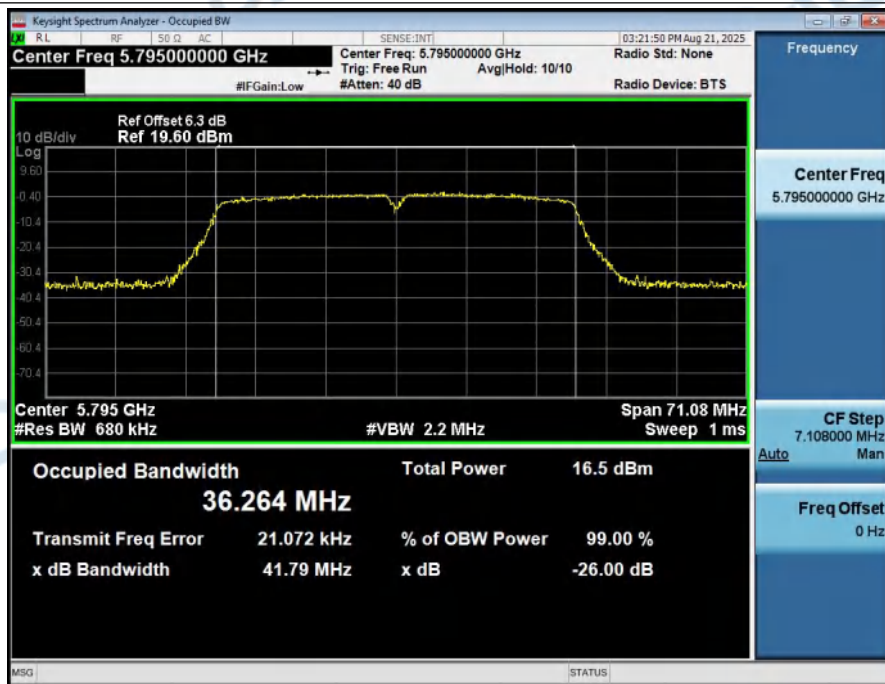
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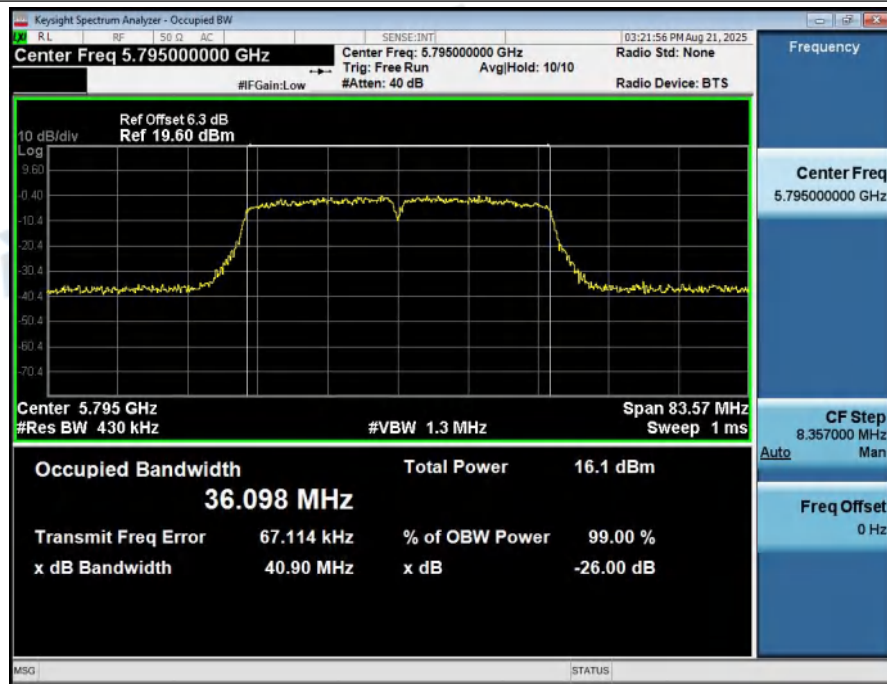
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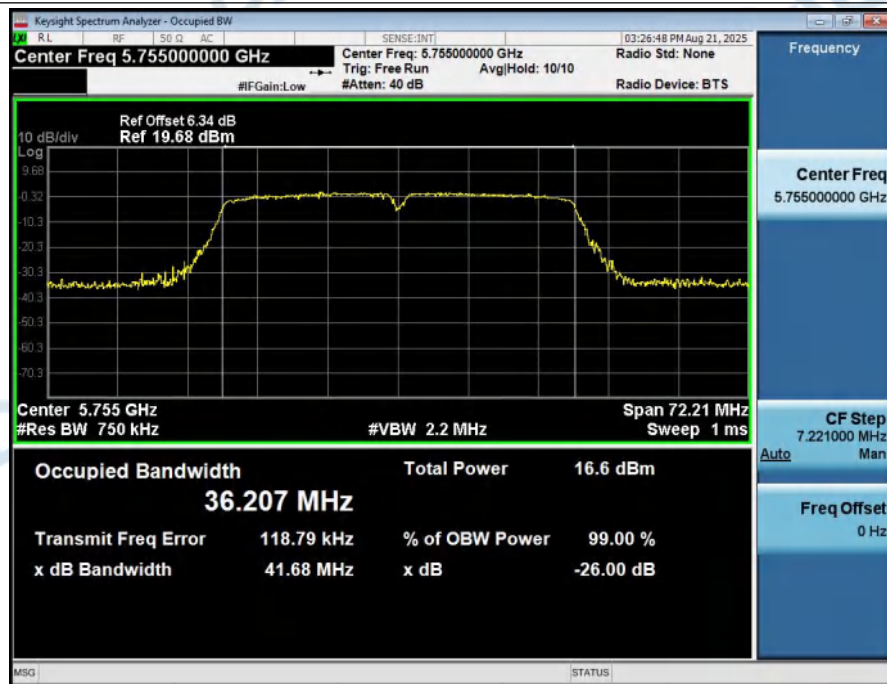
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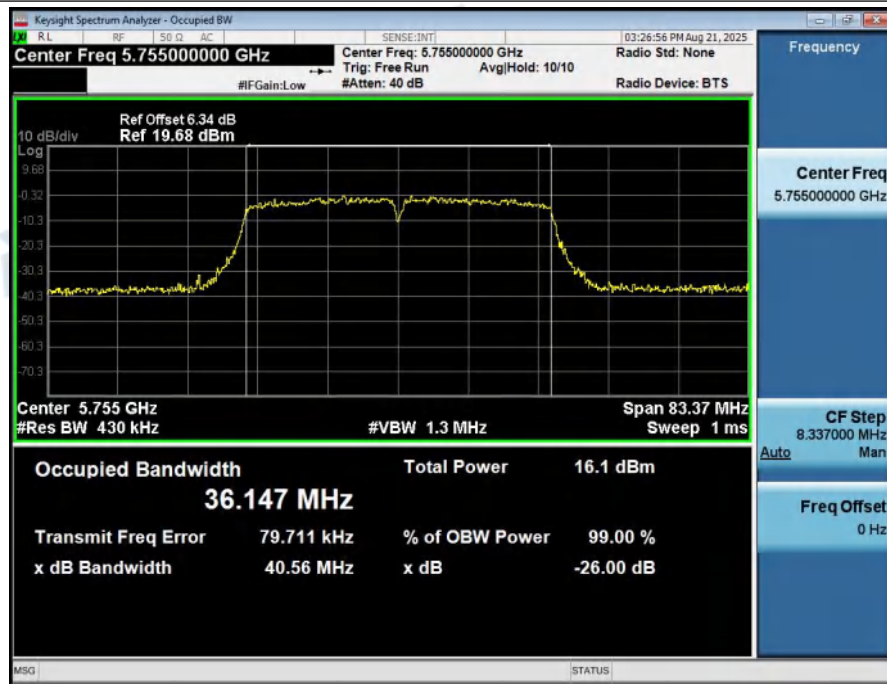
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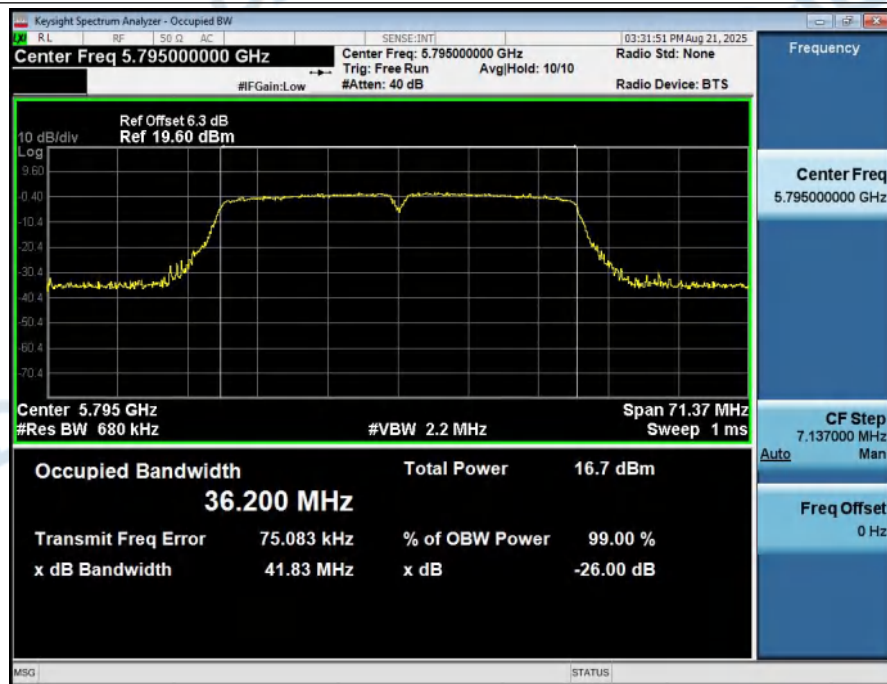
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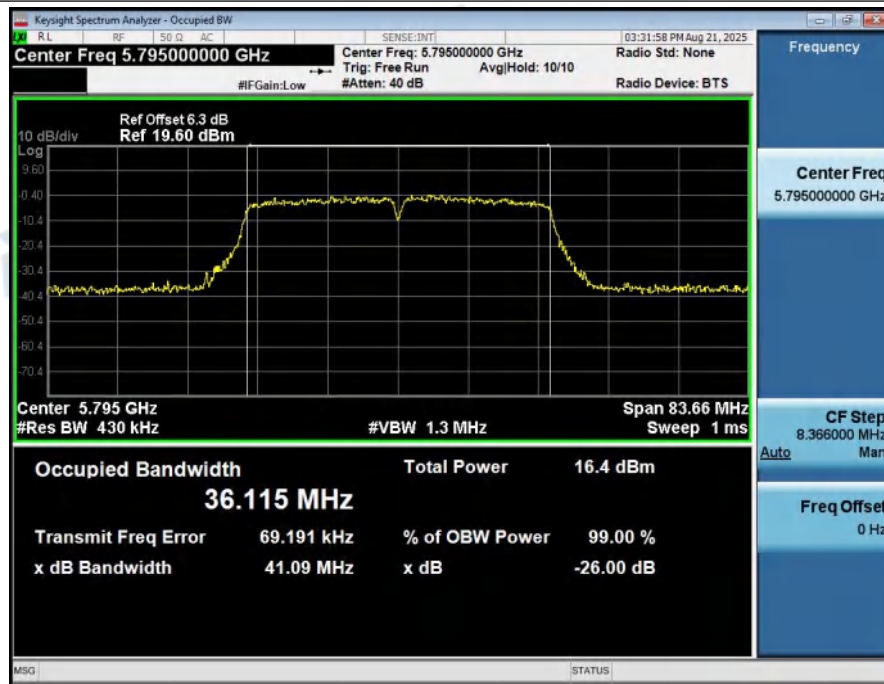
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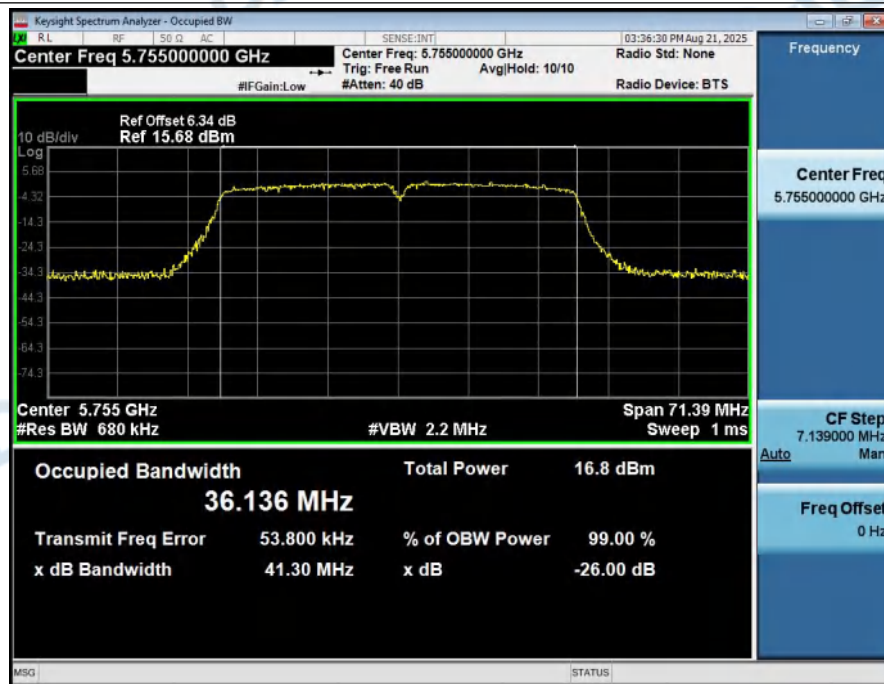
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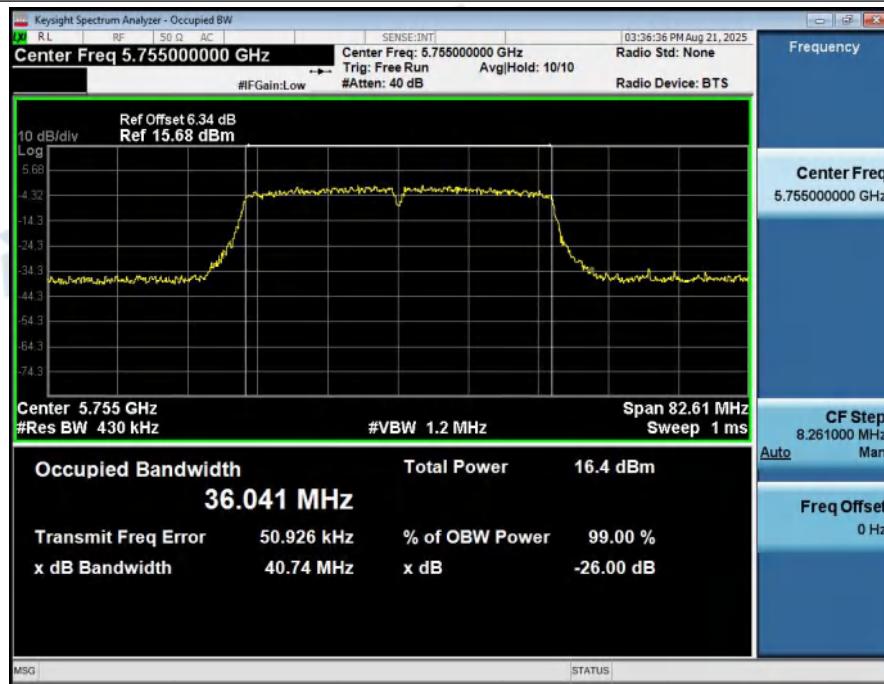
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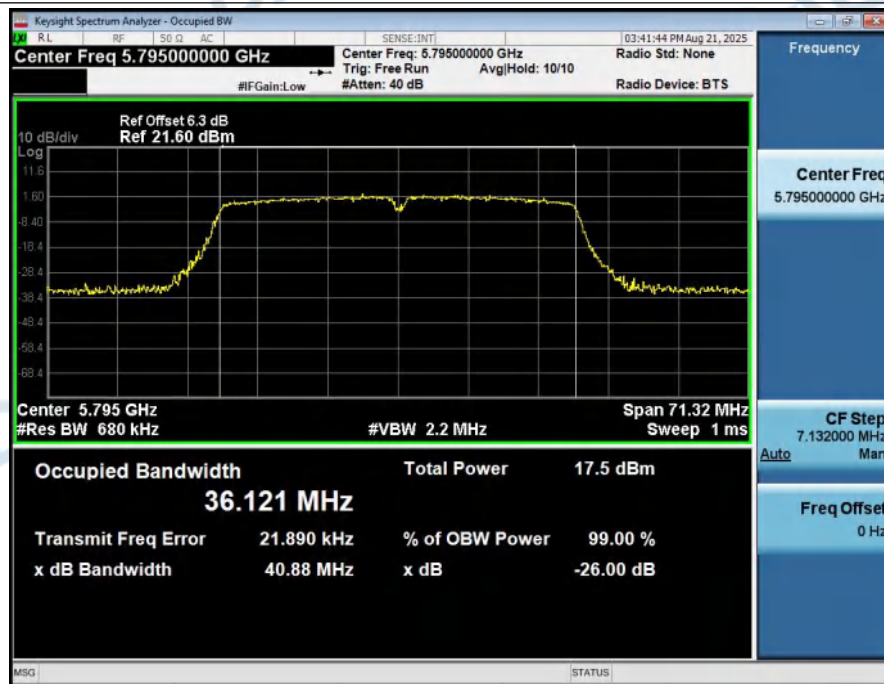
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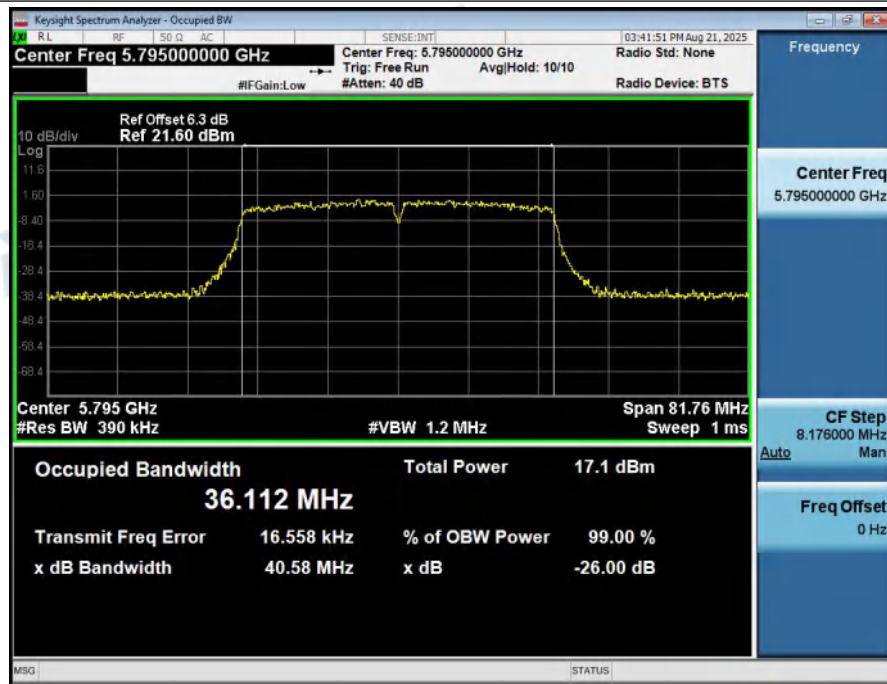
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### 99%\_OCB\_NVNT\_ANT1\_802\_11ax(HE40)\_5795



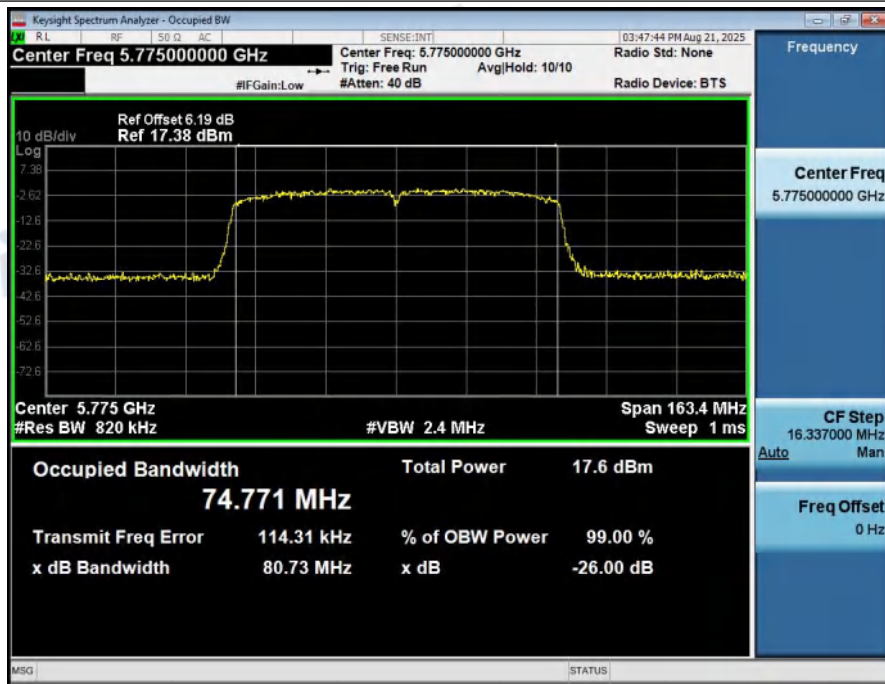
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99%\_OCB\_NVNT\_ANT1\_802\_11ac(VHT80)\_5775



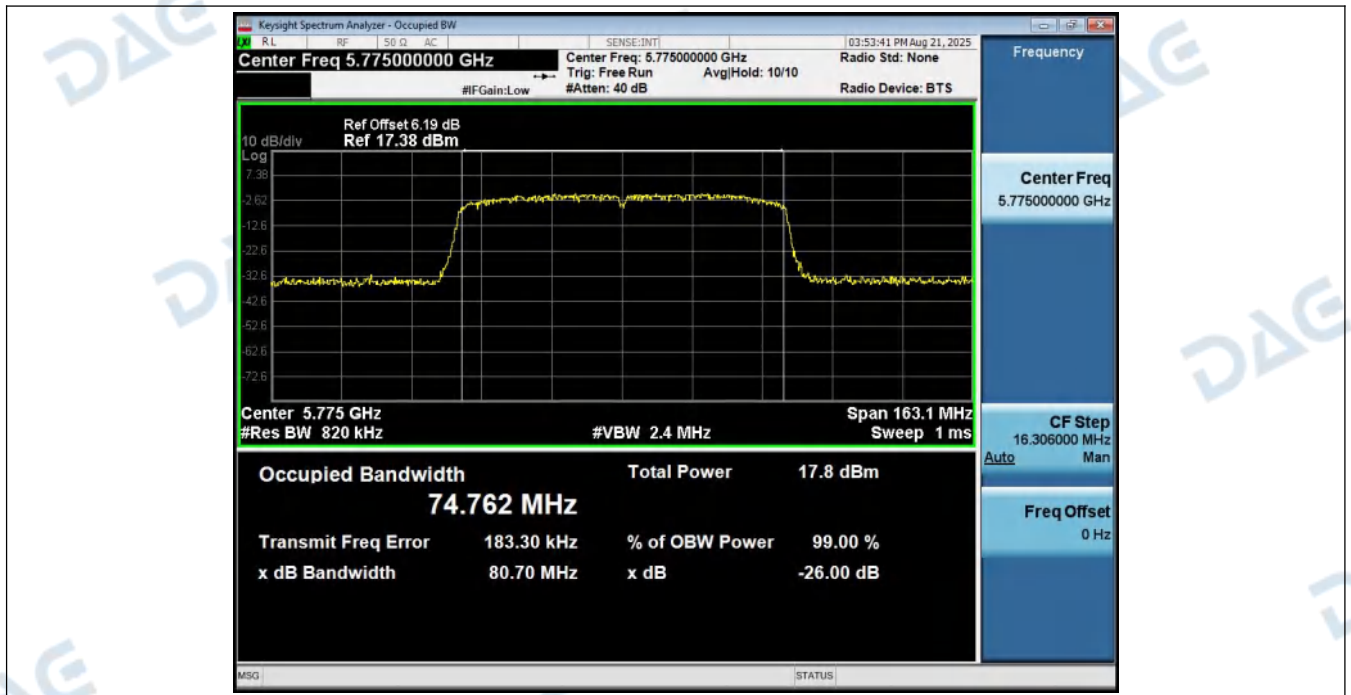
-26BW\_NVNT\_ANT1\_802\_11ac(VHT80)\_5775



99%\_OCB\_NVNT\_ANT1\_802\_11ax(HE80)\_5775



-26BW\_NVNT\_ANT1\_802\_11ax(HE80)\_5775



### 3. Duty Cycle

| Condition | Antenna | Modulation      | Frequency (MHz) | Duty cycle(%) | Duty_factor |
|-----------|---------|-----------------|-----------------|---------------|-------------|
| NVNT      | ANT1    | 802.11a         | 5745.00         | 72.34         | 1.41        |
| NVNT      | ANT1    | 802.11a         | 5785.00         | 73.12         | 1.36        |
| NVNT      | ANT1    | 802.11a         | 5825.00         | 72.34         | 1.41        |
| NVNT      | ANT1    | 802.11n(HT20)   | 5745.00         | 71.59         | 1.45        |
| NVNT      | ANT1    | 802.11n(HT20)   | 5785.00         | 71.91         | 1.43        |
| NVNT      | ANT1    | 802.11n(HT20)   | 5825.00         | 71.91         | 1.43        |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5745.00         | 71.91         | 1.43        |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5785.00         | 71.91         | 1.43        |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5825.00         | 71.91         | 1.43        |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5745.00         | 57.63         | 2.39        |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5785.00         | 55.93         | 2.52        |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5825.00         | 56.90         | 2.45        |
| NVNT      | ANT1    | 802.11n(HT40)   | 5755.00         | 56.14         | 2.51        |
| NVNT      | ANT1    | 802.11n(HT40)   | 5795.00         | 56.14         | 2.51        |
| NVNT      | ANT1    | 802.11ac(VHT40) | 5755.00         | 56.14         | 2.51        |
| NVNT      | ANT1    | 802.11ac(VHT40) | 5795.00         | 56.14         | 2.51        |
| NVNT      | ANT1    | 802.11ax(HE40)  | 5755.00         | 40.48         | 3.93        |
| NVNT      | ANT1    | 802.11ax(HE40)  | 5795.00         | 41.86         | 3.78        |
| NVNT      | ANT1    | 802.11ac(VHT80) | 5775.00         | 39.02         | 4.09        |
| NVNT      | ANT1    | 802.11ax(HE80)  | 5775.00         | 28.57         | 5.44        |

#### 4. Maximum Conducted Output Power

| Condition | Antenna | Modulation      | Frequency (MHz) | Conducted Power(dBm) | Duty factor(dB) | Total Power(dBm) | limit(dBm) | Result |
|-----------|---------|-----------------|-----------------|----------------------|-----------------|------------------|------------|--------|
| NVNT      | ANT1    | 802.11a         | 5745.00         | 11.18                | 1.41            | 12.59            | 30         | Pass   |
| NVNT      | ANT1    | 802.11a         | 5785.00         | 10.69                | 1.36            | 12.05            | 30         | Pass   |
| NVNT      | ANT1    | 802.11a         | 5825.00         | 11.23                | 1.41            | 12.64            | 30         | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | 5745.00         | 9.96                 | 1.45            | 11.41            | 30         | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | 5785.00         | 9.78                 | 1.43            | 11.21            | 30         | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | 5825.00         | 10.38                | 1.43            | 11.81            | 30         | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5745.00         | 9.70                 | 1.43            | 11.13            | 30         | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5785.00         | 9.73                 | 1.43            | 11.16            | 30         | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5825.00         | 10.31                | 1.43            | 11.74            | 30         | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5745.00         | 8.00                 | 2.39            | 10.39            | 30         | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5785.00         | 7.66                 | 2.52            | 10.18            | 30         | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5825.00         | 8.40                 | 2.45            | 10.85            | 30         | Pass   |
| NVNT      | ANT1    | 802.11n(HT40)   | 5755.00         | 7.23                 | 2.51            | 9.74             | 30         | Pass   |
| NVNT      | ANT1    | 802.11n(HT40)   | 5795.00         | 7.10                 | 2.51            | 9.61             | 30         | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT40) | 5755.00         | 7.47                 | 2.51            | 9.98             | 30         | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT40) | 5795.00         | 7.66                 | 2.51            | 10.17            | 30         | Pass   |
| NVNT      | ANT1    | 802.11ax(HE40)  | 5755.00         | 6.63                 | 3.93            | 10.56            | 30         | Pass   |
| NVNT      | ANT1    | 802.11ax(HE40)  | 5795.00         | 7.29                 | 3.78            | 11.07            | 30         | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT80) | 5775.00         | 6.49                 | 4.09            | 10.58            | 30         | Pass   |
| NVNT      | ANT1    | 802.11ax(HE80)  | 5775.00         | 5.29                 | 5.44            | 10.73            | 30         | Pass   |

## 5. Power Spectral Density

| Condition | Antenna | Modulation      | Frequency (MHz) | PSD_SA (dBm/RBW) | Duty factor (dB) | RB factor(dB) | PSD (dBm/500kHz) | Limit (dBm/500kHz) | Result |
|-----------|---------|-----------------|-----------------|------------------|------------------|---------------|------------------|--------------------|--------|
| NVNT      | ANT1    | 802.11a         | 5745.00         | 4.59             | 1.41             | -0.09         | 5.91             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11a         | 5785.00         | 3.54             | 1.36             | -0.09         | 4.81             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11a         | 5825.00         | 4.66             | 1.41             | -0.09         | 5.98             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | 5745.00         | 2.83             | 1.45             | -0.09         | 4.20             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | 5785.00         | 3.10             | 1.43             | -0.09         | 4.44             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | 5825.00         | 3.13             | 1.43             | -0.09         | 4.47             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5745.00         | 2.44             | 1.43             | -0.09         | 3.78             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5785.00         | 2.59             | 1.43             | -0.09         | 3.94             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5825.00         | 3.19             | 1.43             | -0.09         | 4.54             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5745.00         | 2.16             | 2.39             | -0.09         | 4.46             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5785.00         | 1.93             | 2.52             | -0.09         | 4.36             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5825.00         | 1.83             | 2.45             | -0.09         | 4.20             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11n(HT40)   | 5755.00         | -1.92            | 2.51             | -0.09         | 0.51             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11n(HT40)   | 5795.00         | -0.70            | 2.51             | -0.09         | 1.72             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT40) | 5755.00         | -1.70            | 2.51             | -0.09         | 0.72             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT40) | 5795.00         | -0.85            | 2.51             | -0.09         | 1.57             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11ax(HE40)  | 5755.00         | -0.31            | 3.93             | -0.09         | 3.53             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11ax(HE40)  | 5795.00         | 0.05             | 3.78             | -0.09         | 3.74             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT80) | 5775.00         | -3.74            | 4.09             | -0.09         | 0.26             | 30                 | Pass   |
| NVNT      | ANT1    | 802.11ax(HE80)  | 5775.00         | -3.37            | 5.44             | -0.09         | 1.99             | 30                 | Pass   |

Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11a\_5745



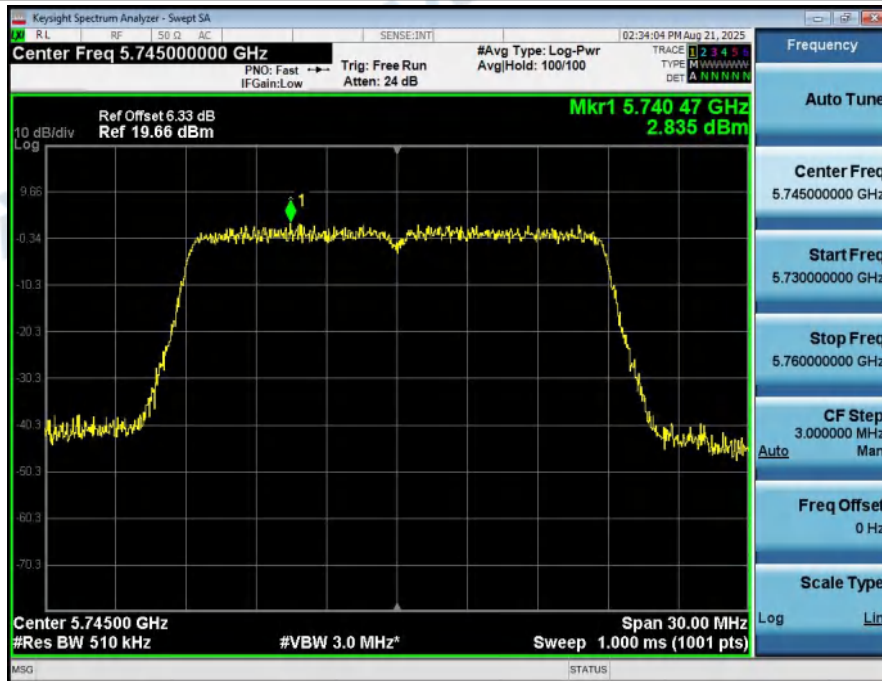
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Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11a\_5825



## Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11n(HT20)\_5745



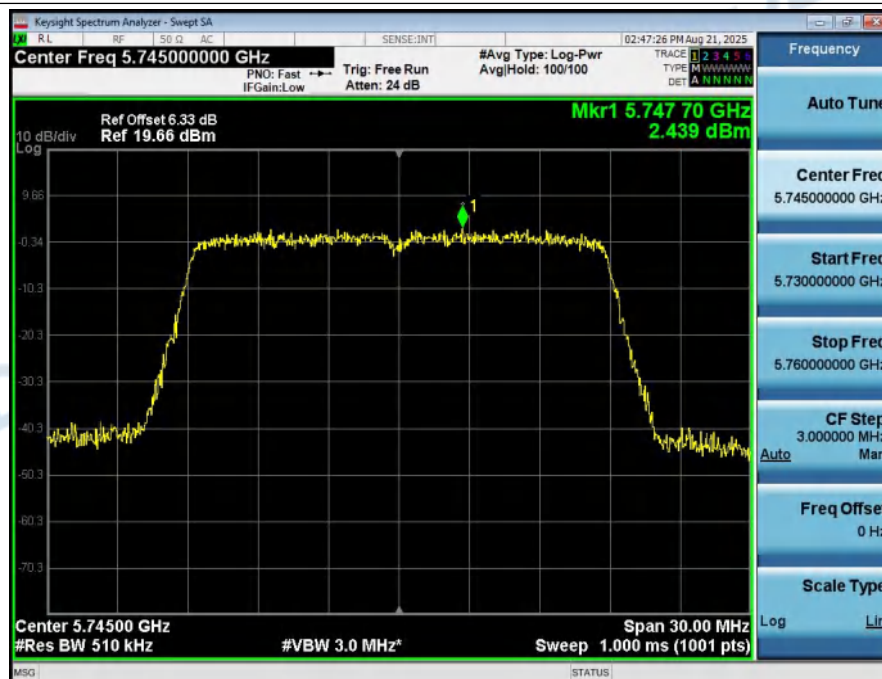
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Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11n(HT20)\_5825



Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11ac(VHT20)\_5745



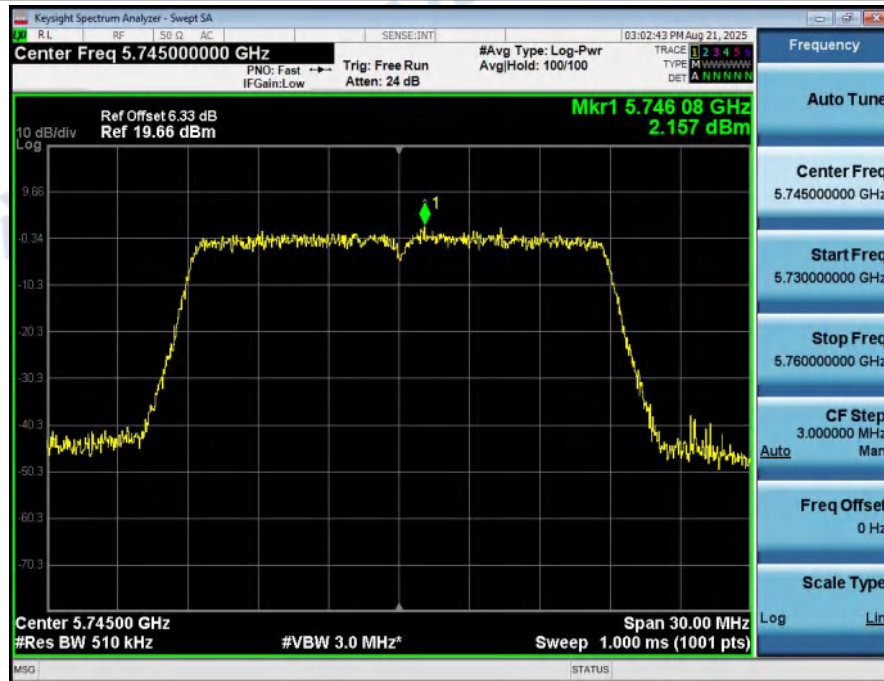
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Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11ax(HE20)\_5745



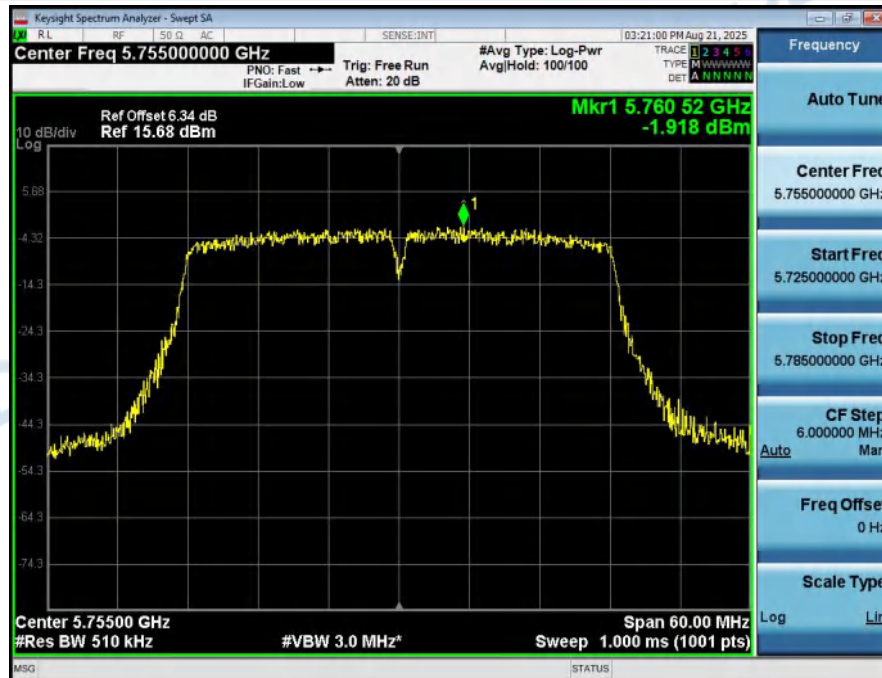
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Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11ax(HE20)\_5825



Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11n(HT40)\_5755



Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11n(HT40)\_5795



Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11ac(VHT40)\_5755



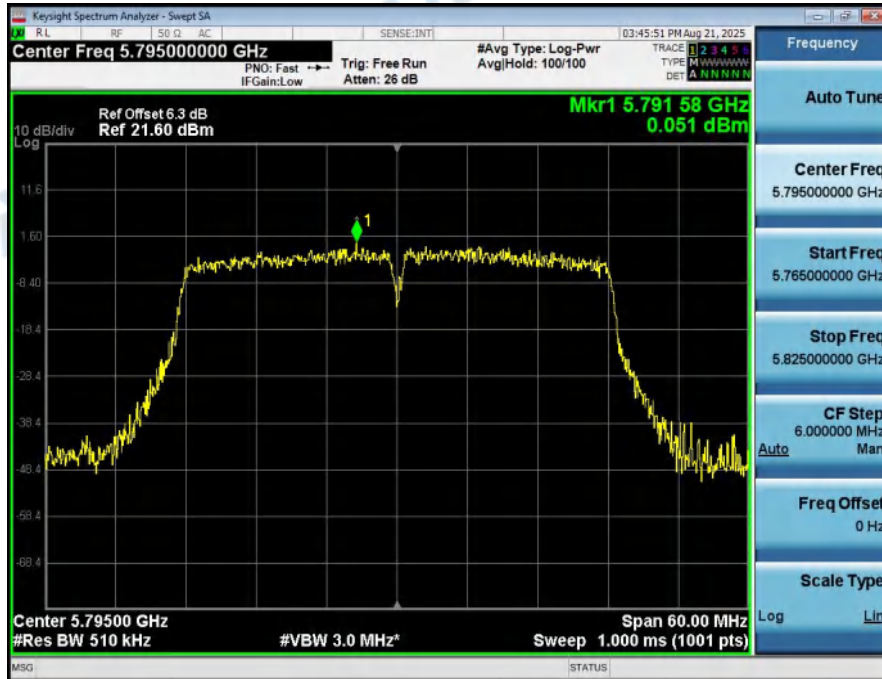
Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11ac(VHT40)\_5795



Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11ax(HE40)\_5755



### Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11ax(HE40)\_5795



### Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11ac(VHT80)\_5775



Power\_Spectral\_Density\_NVNT\_ANT1\_802\_11ax(HE80)\_5775

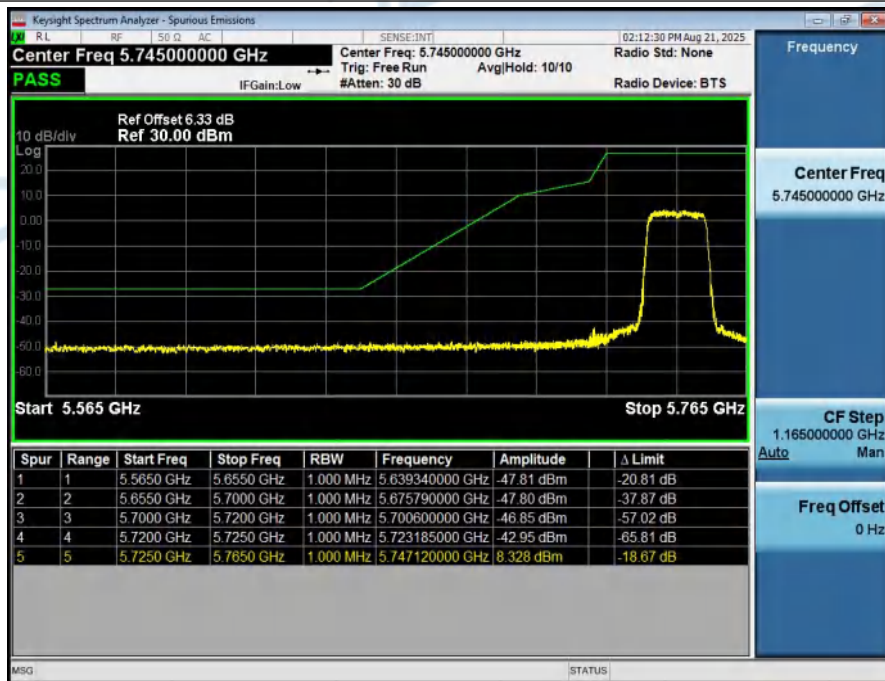


## 6. Bandedge

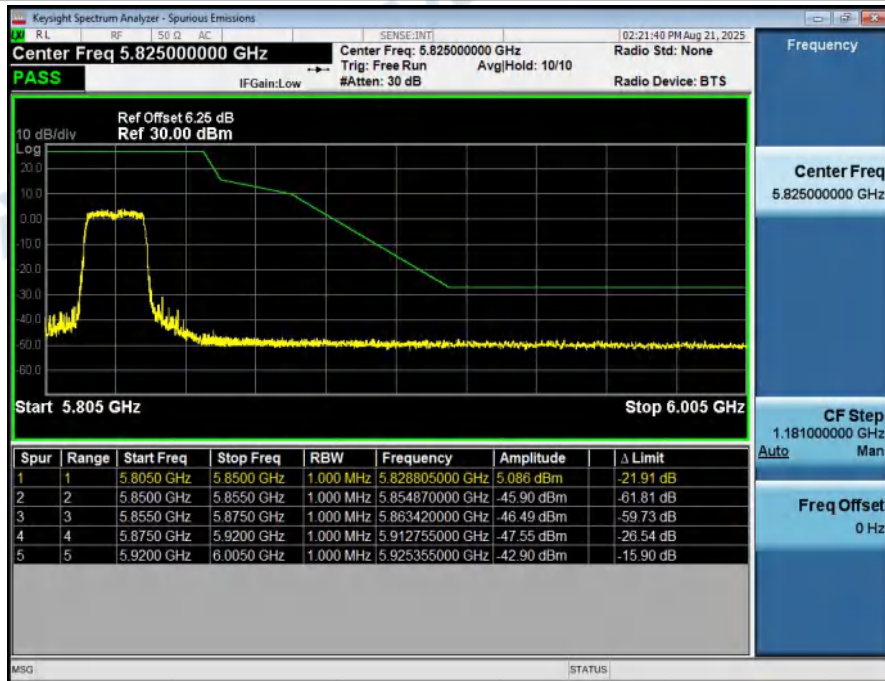
| Condition | Antenna | Modulation      | TX_Frequency (MHz) | Frequency Area(MHz) | Frequency(MHz) | Amplitude(dBm) | Limit(dBm) | Result |
|-----------|---------|-----------------|--------------------|---------------------|----------------|----------------|------------|--------|
| NVNT      | ANT1    | 802.11a         | LCH                | 5565-5655           | 5639.340       | -47.81         | -27.00     | Pass   |
| NVNT      | ANT1    | 802.11a         | LCH                | 5655-5700           | 5675.790       | -47.80         | -9.91      | Pass   |
| NVNT      | ANT1    | 802.11a         | LCH                | 5700-5720           | 5700.600       | -46.85         | 10.17      | Pass   |
| NVNT      | ANT1    | 802.11a         | LCH                | 5720-5725           | 5723.185       | -42.95         | 22.86      | Pass   |
| NVNT      | ANT1    | 802.11a         | HCH                | 5850-5855           | 5854.870       | -45.90         | 15.90      | Pass   |
| NVNT      | ANT1    | 802.11a         | HCH                | 5855-5875           | 5863.420       | -46.49         | 13.24      | Pass   |
| NVNT      | ANT1    | 802.11a         | HCH                | 5875-5920           | 5912.755       | -47.55         | -21.04     | Pass   |
| NVNT      | ANT1    | 802.11a         | HCH                | 5920-6005           | 5925.355       | -42.90         | -27.00     | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | LCH                | 5565-5655           | 5611.530       | -48.15         | -27.00     | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | LCH                | 5655-5700           | 5666.970       | -48.22         | -17.16     | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | LCH                | 5700-5720           | 5705.400       | -47.15         | 11.51      | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | LCH                | 5720-5725           | 5723.710       | -44.14         | 24.06      | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | HCH                | 5850-5855           | 5854.635       | -46.21         | 16.43      | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | HCH                | 5855-5875           | 5872.520       | -47.00         | 10.69      | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | HCH                | 5875-5920           | 5901.145       | -47.35         | -11.50     | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | HCH                | 5920-6005           | 5960.800       | -43.57         | -27.00     | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | LCH                | 5565-5655           | 5649.780       | -47.54         | -27.00     | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | LCH                | 5655-5700           | 5663.550       | -47.76         | -19.97     | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | LCH                | 5700-5720           | 5705.220       | -47.33         | 11.46      | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | LCH                | 5720-5725           | 5723.150       | -44.42         | 22.78      | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | HCH                | 5850-5855           | 5851.810       | -45.79         | 22.87      | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | HCH                | 5855-5875           | 5868.800       | -46.17         | 11.74      | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | HCH                | 5875-5920           | 5913.340       | -47.66         | -21.52     | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | HCH                | 5920-6005           | 5944.055       | -42.90         | -27.00     | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | LCH                | 5565-5655           | 5599.020       | -47.90         | -27.00     | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | LCH                | 5655-5700           | 5675.295       | -48.32         | -10.31     | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | LCH                | 5700-5720           | 5706.020       | -47.45         | 11.69      | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | LCH                | 5720-5725           | 5722.730       | -46.09         | 21.82      | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | HCH                | 5850-5855           | 5853.185       | -46.97         | 19.74      | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | HCH                | 5855-5875           | 5872.260       | -46.98         | 10.77      | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | HCH                | 5875-5920           | 5917.795       | -47.60         | -25.19     | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | HCH                | 5920-6005           | 5982.050       | -43.77         | -27.00     | Pass   |
| NVNT      | ANT1    | 802.11n(HT40)   | LCH                | 5595-5655           | 5645.460       | -48.07         | -27.00     | Pass   |
| NVNT      | ANT1    | 802.11n(HT40)   | LCH                | 5655-5700           | 5663.190       | -47.81         | -20.27     | Pass   |
| NVNT      | ANT1    | 802.11n(HT40)   | LCH                | 5700-5720           | 5700.820       | -47.14         | 10.23      | Pass   |
| NVNT      | ANT1    | 802.11n(HT40)   | LCH                | 5720-5725           | 5722.820       | -45.37         | 22.03      | Pass   |
| NVNT      | ANT1    | 802.11n(HT40)   | HCH                | 5850-5855           | 5854.875       | -46.88         | 15.88      | Pass   |
| NVNT      | ANT1    | 802.11n(HT40)   | HCH                | 5855-5875           | 5874.540       | -46.37         | 10.13      | Pass   |
| NVNT      | ANT1    | 802.11n(HT40)   | HCH                | 5875-5920           | 5919.955       | -47.39         | -26.96     | Pass   |
| NVNT      | ANT1    | 802.11n(HT40)   | HCH                | 5920-5955           | 5920.455       | -43.36         | -27.00     | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT40) | LCH                | 5595-5655           | 5596.680       | -47.90         | -27.00     | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT40) | LCH                | 5655-5700           | 5666.520       | -47.98         | -17.53     | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT40) | LCH                | 5700-5720           | 5708.240       | -47.25         | 12.31      | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT40) | LCH                | 5720-5725           | 5721.870       | -46.23         | 19.86      | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT40) | HCH                | 5850-5855           | 5854.525       | -46.53         | 16.68      | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT40) | HCH                | 5855-5875           | 5874.600       | -47.16         | 10.11      | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT40) | HCH                | 5875-5920           | 5917.885       | -47.20         | -25.26     | Pass   |

|      |      |                 |     |           |          |        |        |      |
|------|------|-----------------|-----|-----------|----------|--------|--------|------|
| NVNT | ANT1 | 802.11ac(VHT40) | HCH | 5920-5955 | 5952.585 | -43.28 | -27.00 | Pass |
| NVNT | ANT1 | 802.11ax(HE40)  | LCH | 5595-5655 | 5623.260 | -48.47 | -27.00 | Pass |
| NVNT | ANT1 | 802.11ax(HE40)  | LCH | 5655-5700 | 5668.950 | -47.84 | -15.53 | Pass |
| NVNT | ANT1 | 802.11ax(HE40)  | LCH | 5700-5720 | 5712.900 | -45.59 | 13.61  | Pass |
| NVNT | ANT1 | 802.11ax(HE40)  | LCH | 5720-5725 | 5721.370 | -44.78 | 18.72  | Pass |
| NVNT | ANT1 | 802.11ax(HE40)  | HCH | 5850-5855 | 5853.345 | -46.88 | 19.37  | Pass |
| NVNT | ANT1 | 802.11ax(HE40)  | HCH | 5855-5875 | 5874.800 | -45.38 | 10.06  | Pass |
| NVNT | ANT1 | 802.11ax(HE40)  | HCH | 5875-5920 | 5911.495 | -47.56 | -20.01 | Pass |
| NVNT | ANT1 | 802.11ax(HE40)  | HCH | 5920-5955 | 5921.400 | -41.94 | -27.00 | Pass |
| NVNT | ANT1 | 802.11ac(VHT80) | MCH | 5650-5655 | 5653.690 | -47.70 | -27.00 | Pass |
| NVNT | ANT1 | 802.11ac(VHT80) | MCH | 5655-5700 | 5669.130 | -47.80 | -15.38 | Pass |
| NVNT | ANT1 | 802.11ac(VHT80) | MCH | 5700-5720 | 5708.080 | -46.65 | 12.26  | Pass |
| NVNT | ANT1 | 802.11ac(VHT80) | MCH | 5720-5725 | 5720.095 | -45.95 | 15.82  | Pass |
| NVNT | ANT1 | 802.11ac(VHT80) | MCH | 5850-5855 | 5854.060 | -45.30 | 17.74  | Pass |
| NVNT | ANT1 | 802.11ac(VHT80) | MCH | 5855-5875 | 5869.560 | -46.53 | 11.52  | Pass |
| NVNT | ANT1 | 802.11ac(VHT80) | MCH | 5875-5920 | 5908.840 | -47.73 | -17.82 | Pass |
| NVNT | ANT1 | 802.11ac(VHT80) | MCH | 5920-5925 | 5921.035 | -43.79 | -27.00 | Pass |
| NVNT | ANT1 | 802.11ax(HE80)  | MCH | 5650-5655 | 5654.540 | -47.73 | -27.00 | Pass |
| NVNT | ANT1 | 802.11ax(HE80)  | MCH | 5655-5700 | 5661.075 | -47.79 | -22.01 | Pass |
| NVNT | ANT1 | 802.11ax(HE80)  | MCH | 5700-5720 | 5701.020 | -47.58 | 10.29  | Pass |
| NVNT | ANT1 | 802.11ax(HE80)  | MCH | 5720-5725 | 5721.045 | -47.32 | 17.98  | Pass |
| NVNT | ANT1 | 802.11ax(HE80)  | MCH | 5850-5855 | 5854.965 | -46.45 | 15.68  | Pass |
| NVNT | ANT1 | 802.11ax(HE80)  | MCH | 5855-5875 | 5871.020 | -46.75 | 11.11  | Pass |
| NVNT | ANT1 | 802.11ax(HE80)  | MCH | 5875-5920 | 5916.445 | -47.76 | -24.08 | Pass |
| NVNT | ANT1 | 802.11ax(HE80)  | MCH | 5920-5925 | 5922.285 | -42.93 | -27.00 | Pass |

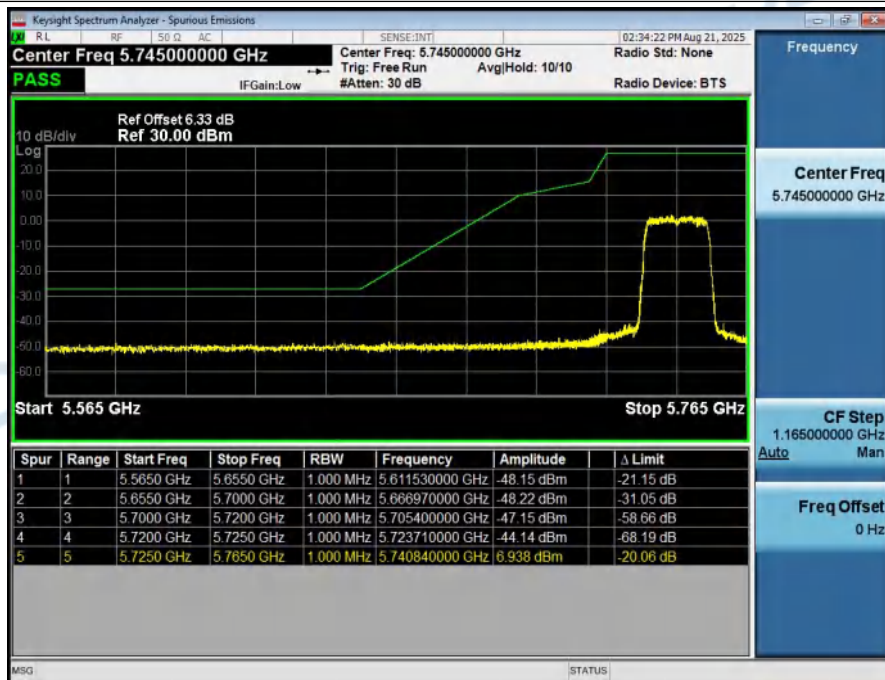
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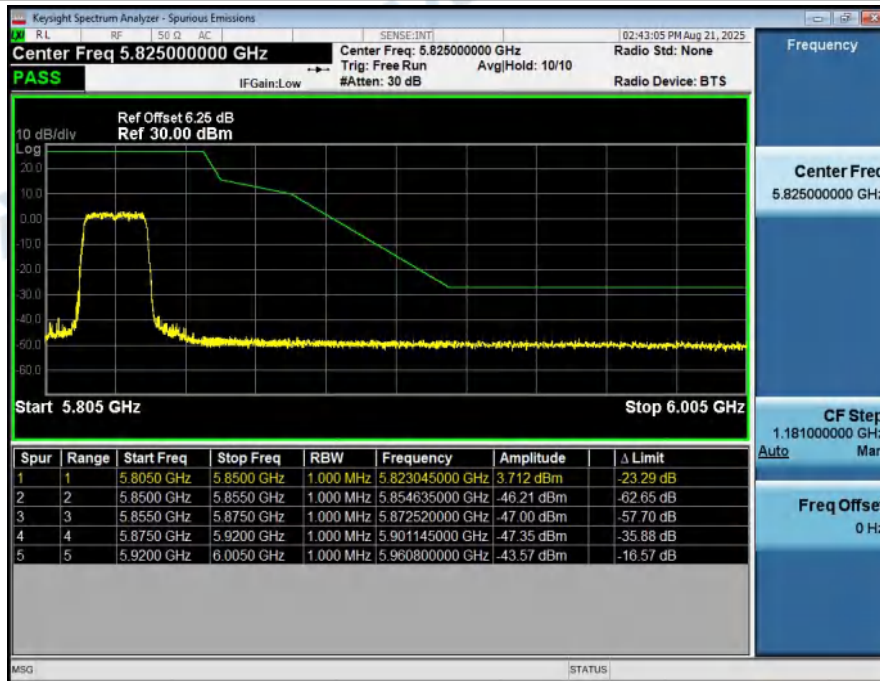
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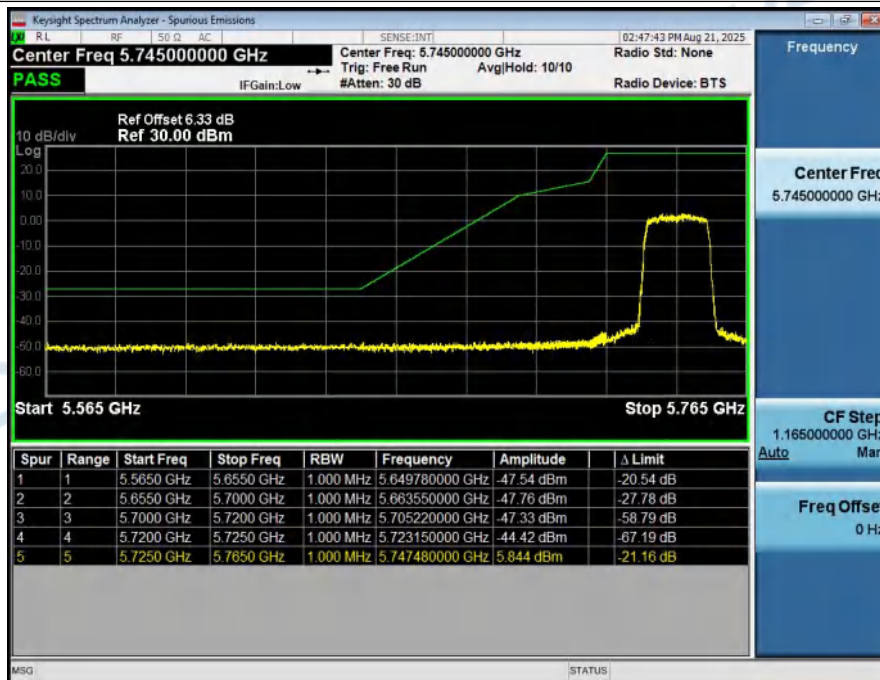
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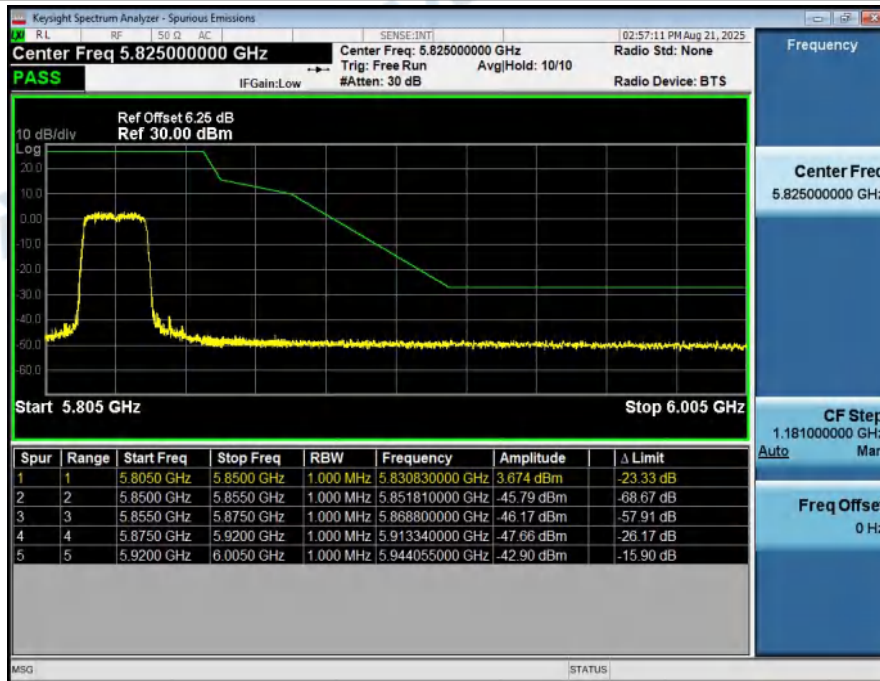
### Bandedge\_NVNT\_ANT1\_802\_11n(HT20)\_5825



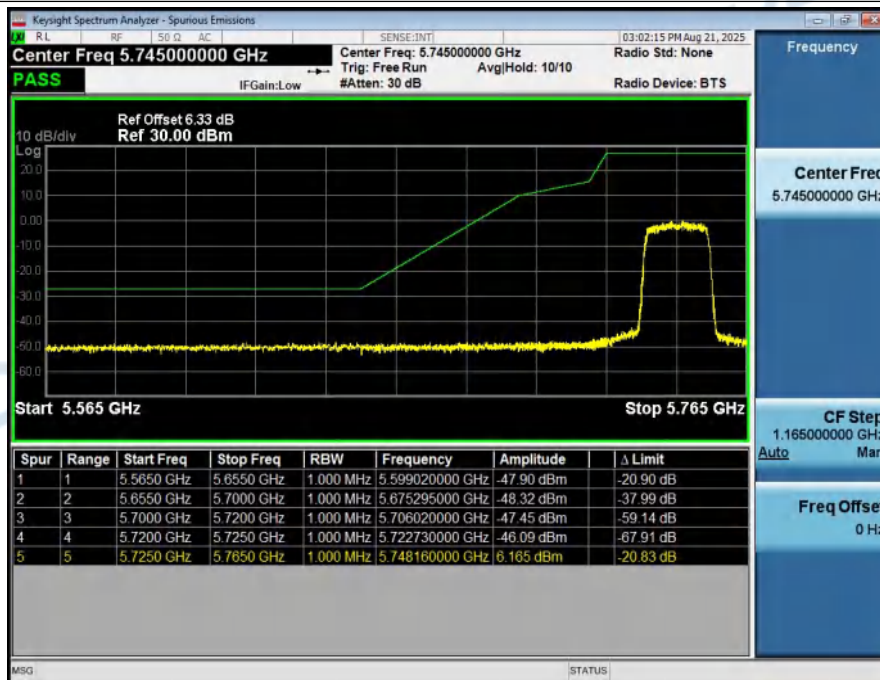
### Bandedge\_NVNT\_ANT1\_802\_11ac(VHT20)\_5745



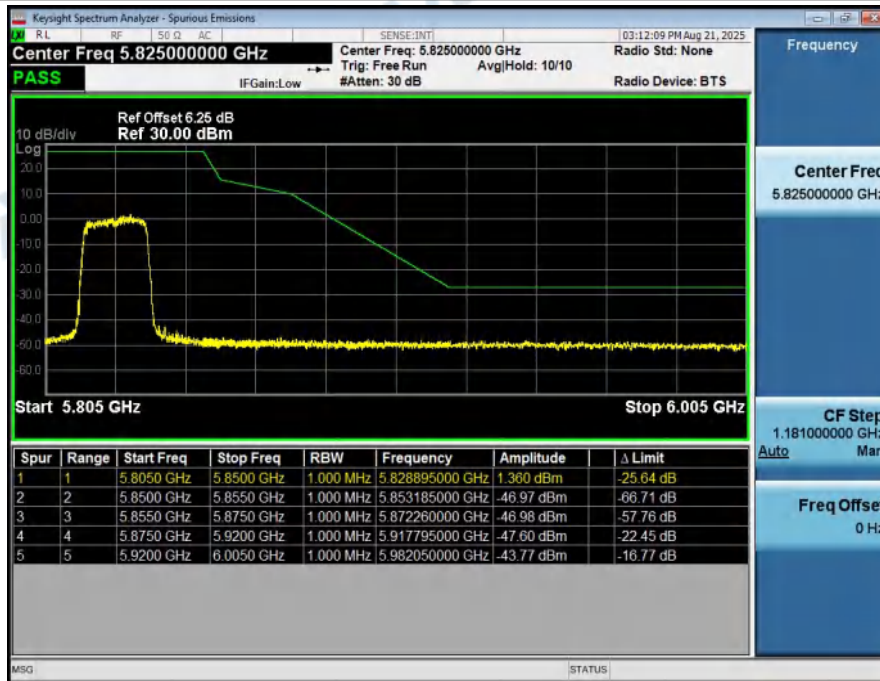
Bandedge\_NVNT\_ANT1\_802\_11ac(VHT20)\_5825



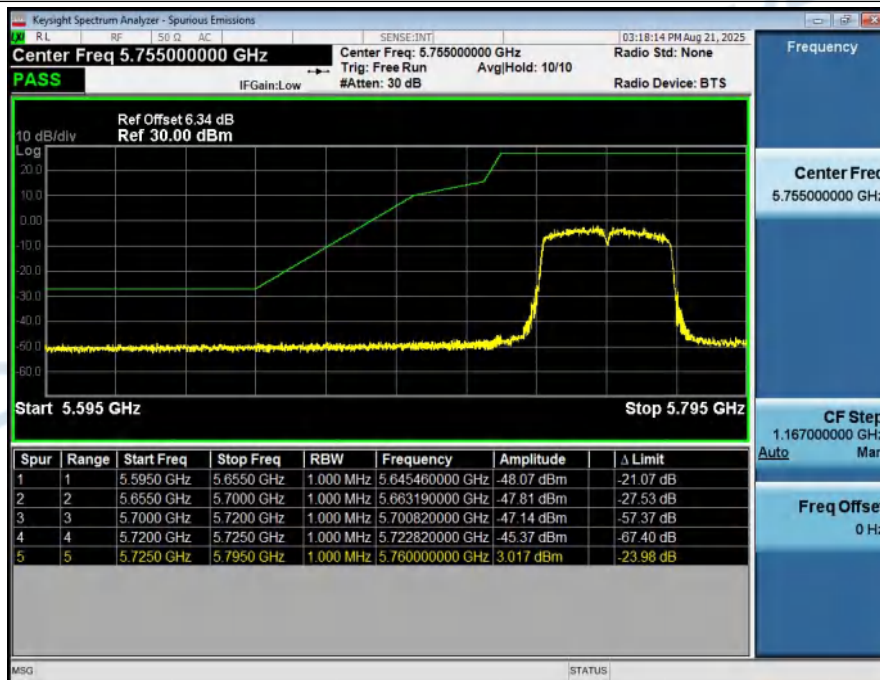
Bandedge\_NVNT\_ANT1\_802\_11ax(HE20)\_5745



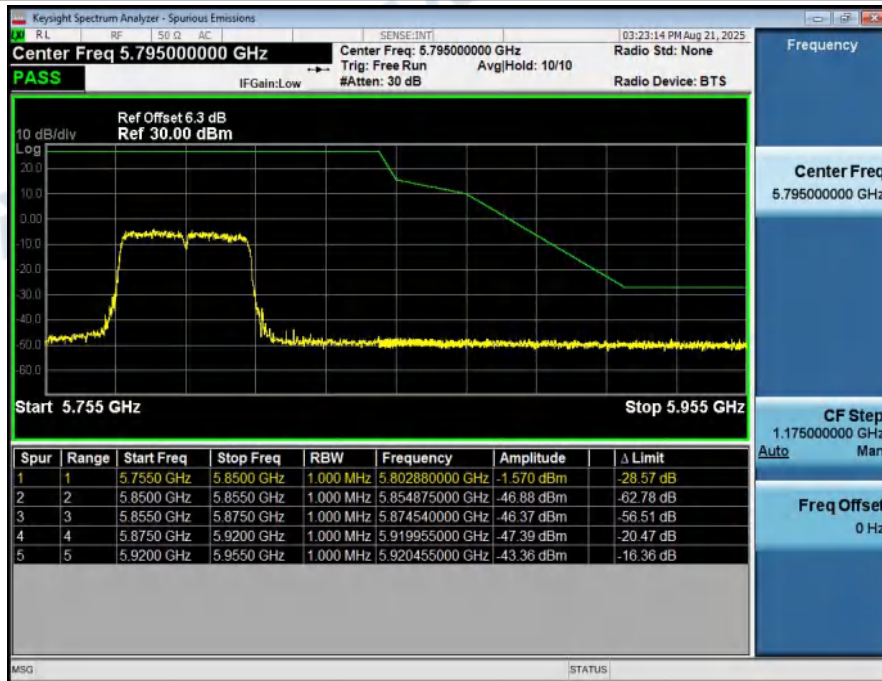
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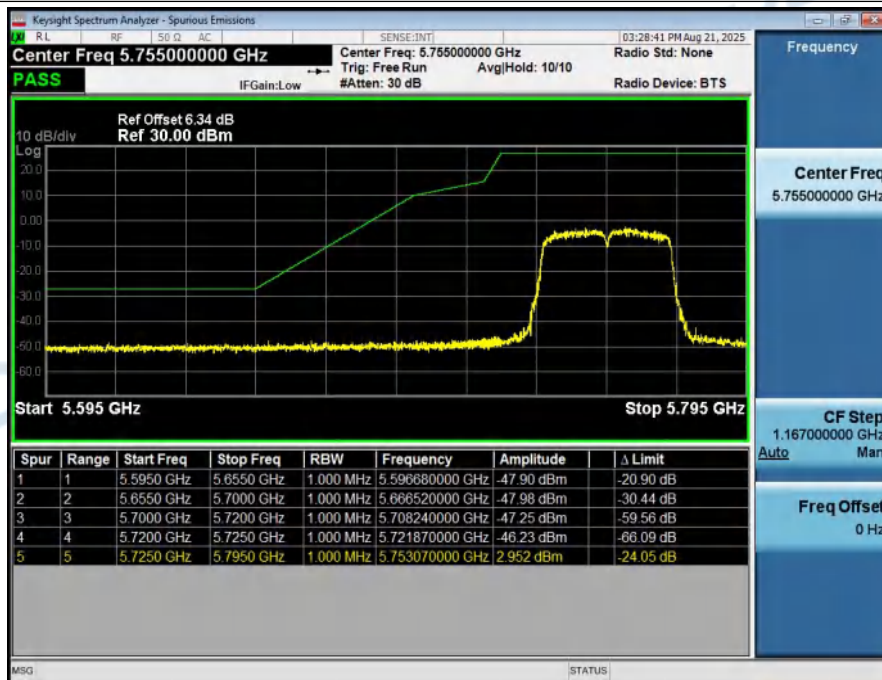
### Bandedge\_NVNT\_ANT1\_802\_11n(HT40)\_5755



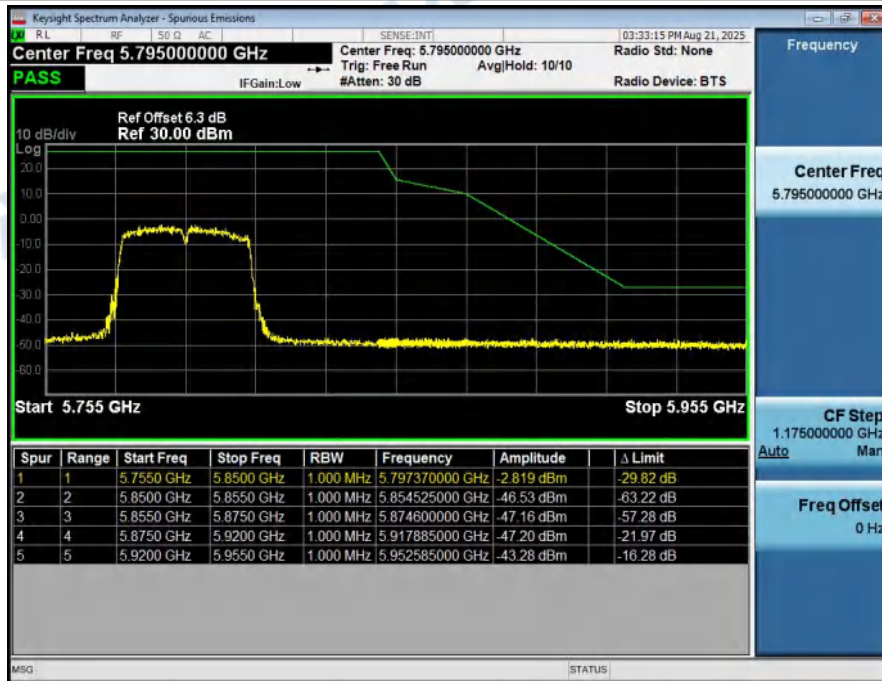
Bandedge\_NVNT\_ANT1\_802\_11n(HT40)\_5795



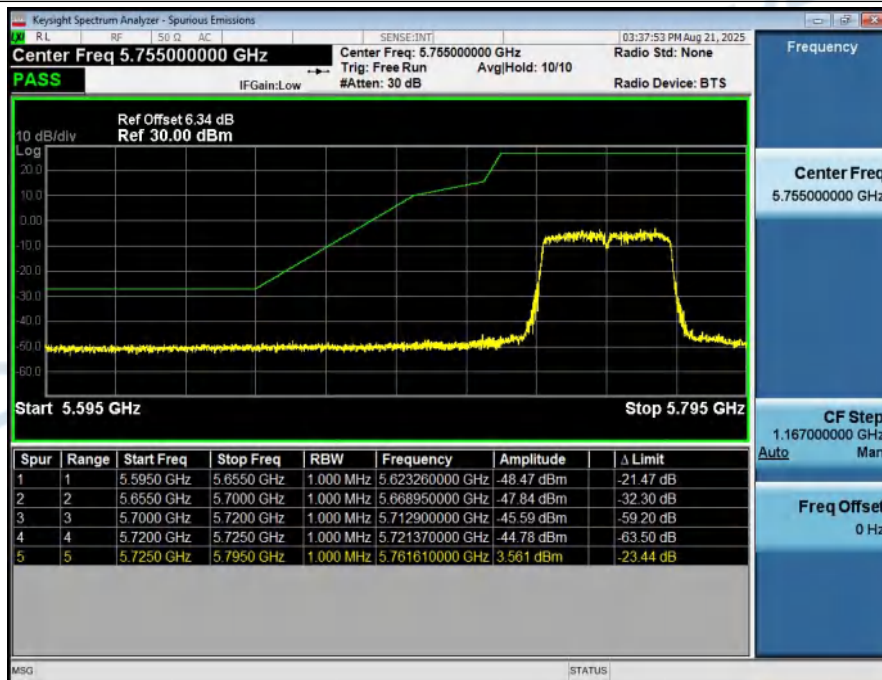
Bandedge\_NVNT\_ANT1\_802\_11ac(VHT40)\_5755



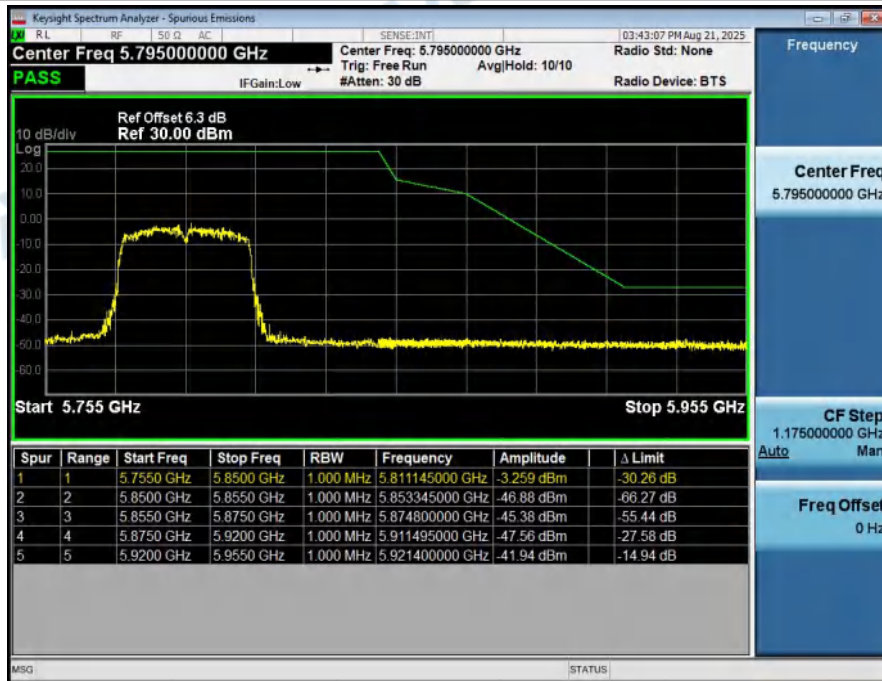
Bandedge\_NVNT\_ANT1\_802\_11ac(VHT40)\_5795



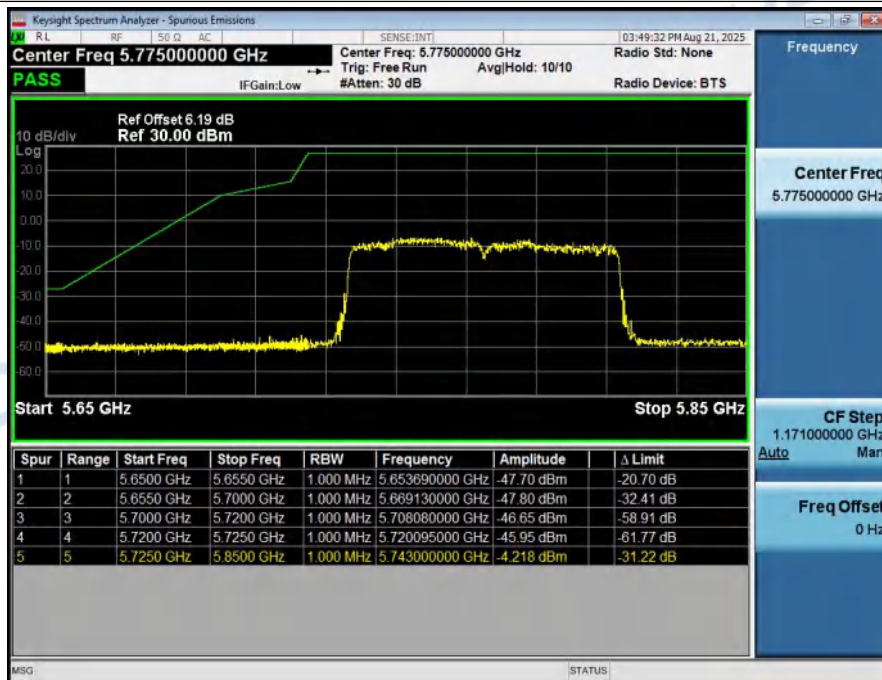
Bandedge\_NVNT\_ANT1\_802\_11ax(HE40)\_5755



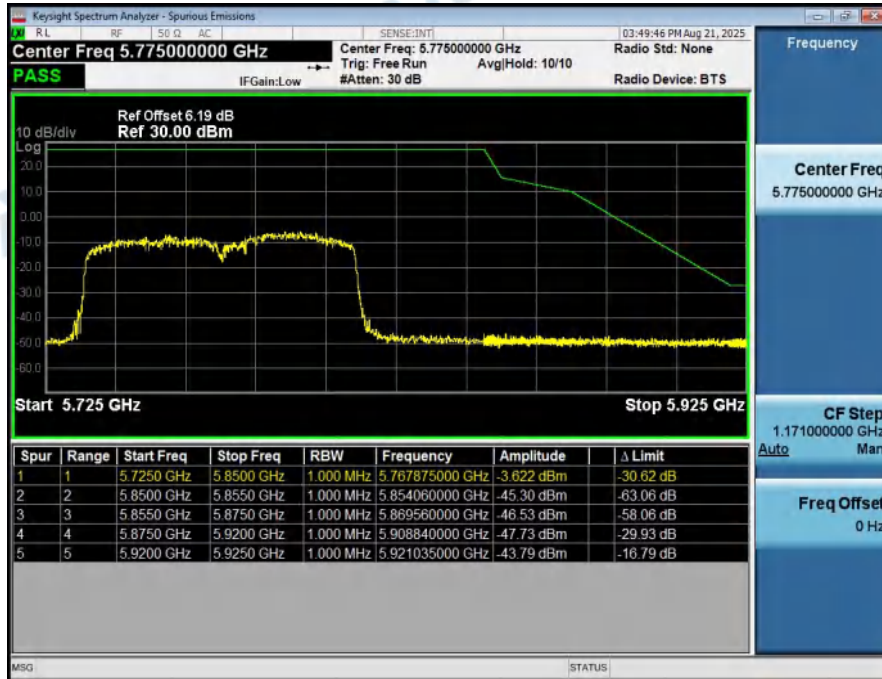
Bandedge\_NVNT\_ANT1\_802\_11ax(HE40)\_5795



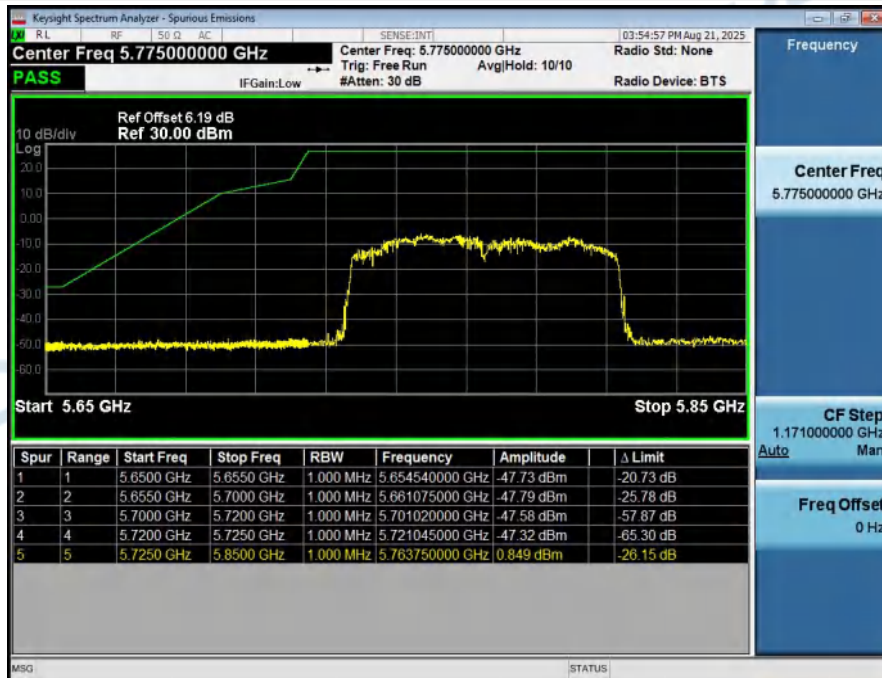
Bandedge\_NVNT\_ANT1\_802\_11ac(VHT80)\_5775\_low



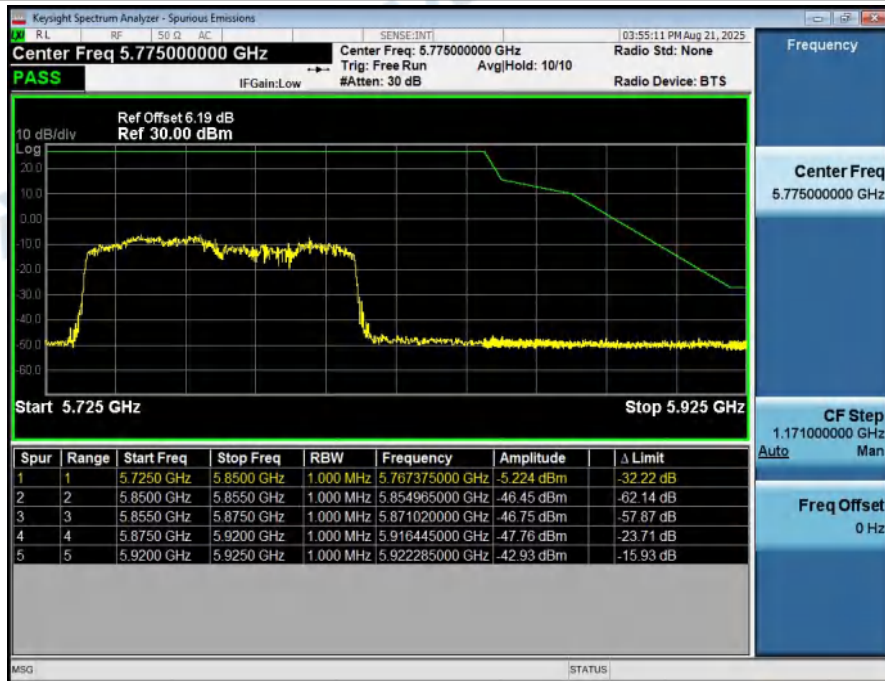
Bandedge\_NVNT\_ANT1\_802\_11ac(VHT80)\_5775\_up



Bandedge\_NVNT\_ANT1\_802\_11ax(HE80)\_5775\_low



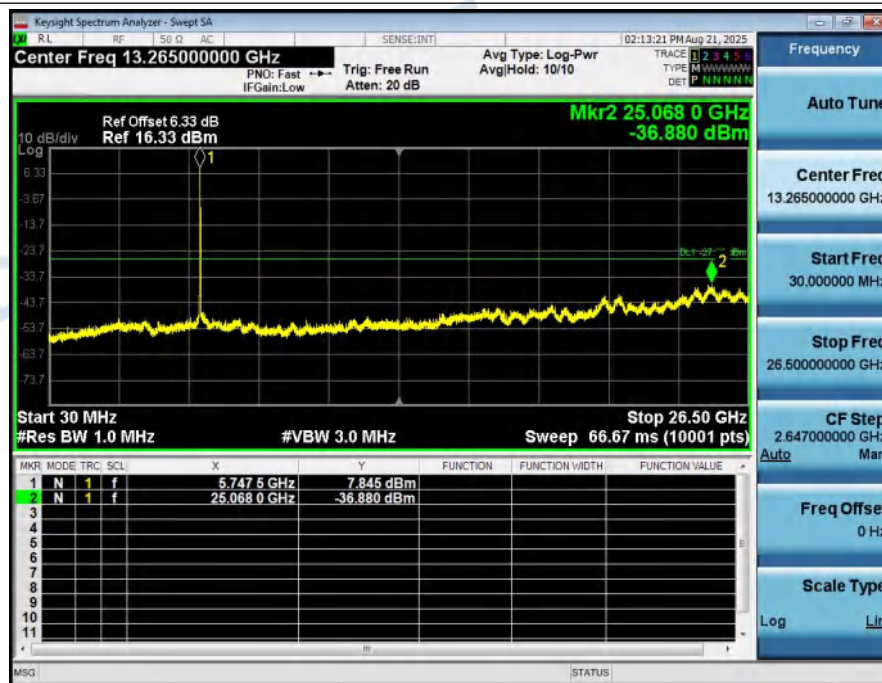
Bandedge\_NVNT\_ANT1\_802\_11ax(HE80)\_5775\_up



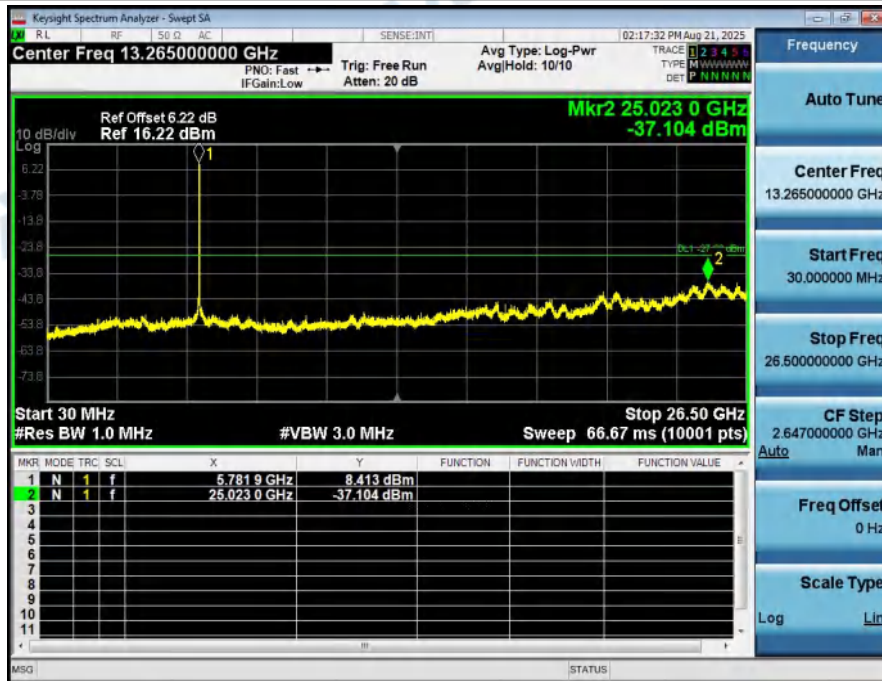
## 7. Spurious Emission

| Condition | Antenna | Modulation      | TX_Frequency (MHz) | Max. Mark Frequency(MHz) | Spurious level(dBm) | limit(dBm) | Result |
|-----------|---------|-----------------|--------------------|--------------------------|---------------------|------------|--------|
| NVNT      | ANT1    | 802.11a         | 5745.00            | 25067.97                 | -36.88              | -27        | Pass   |
| NVNT      | ANT1    | 802.11a         | 5785.00            | 25022.97                 | -37.10              | -27        | Pass   |
| NVNT      | ANT1    | 802.11a         | 5825.00            | 25155.32                 | -37.07              | -27        | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | 5745.00            | 24991.21                 | -36.64              | -27        | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | 5785.00            | 24985.92                 | -37.08              | -27        | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | 5825.00            | 25036.21                 | -36.63              | -27        | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5745.00            | 25020.33                 | -36.82              | -27        | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5785.00            | 25062.68                 | -37.62              | -27        | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5825.00            | 24988.56                 | -36.74              | -27        | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5745.00            | 25025.62                 | -36.64              | -27        | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5785.00            | 24970.03                 | -36.47              | -27        | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5825.00            | 26121.48                 | -37.38              | -27        | Pass   |
| NVNT      | ANT1    | 802.11n(HT40)   | 5755.00            | 25044.15                 | -36.76              | -27        | Pass   |
| NVNT      | ANT1    | 802.11n(HT40)   | 5795.00            | 25052.09                 | -37.48              | -27        | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT40) | 5755.00            | 25044.15                 | -37.01              | -27        | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT40) | 5795.00            | 25015.03                 | -37.02              | -27        | Pass   |
| NVNT      | ANT1    | 802.11ax(HE40)  | 5755.00            | 25070.62                 | -37.33              | -27        | Pass   |
| NVNT      | ANT1    | 802.11ax(HE40)  | 5795.00            | 25120.91                 | -37.52              | -27        | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT80) | 5775.00            | 25075.91                 | -37.23              | -27        | Pass   |
| NVNT      | ANT1    | 802.11ax(HE80)  | 5775.00            | 25118.27                 | -36.31              | -27        | Pass   |

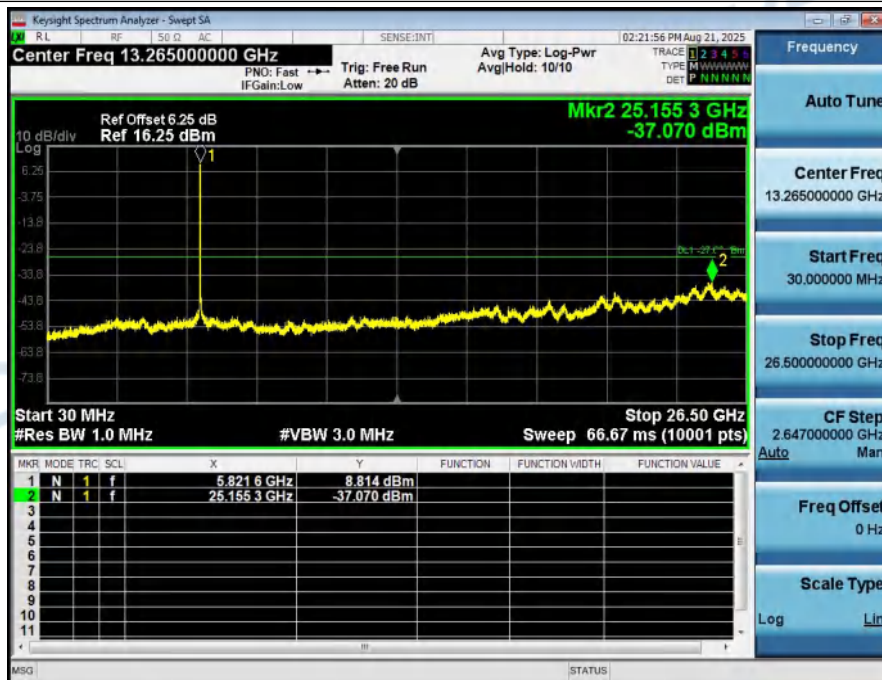
Spurious\_Emission\_NVNT\_ANT1\_802\_11a\_5745



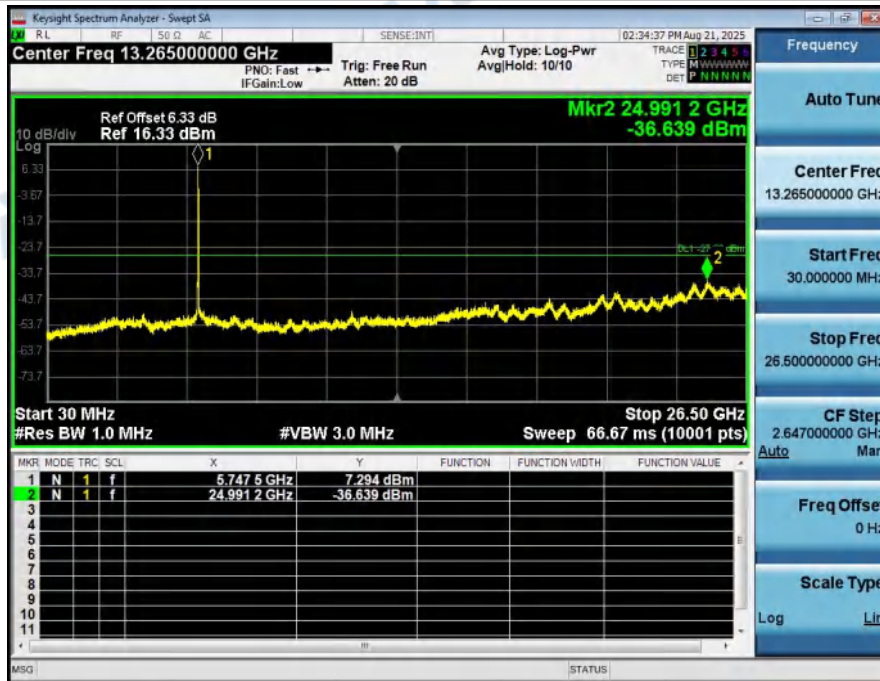
Spurious\_Emission\_NVNT\_ANT1\_802\_11a\_5785



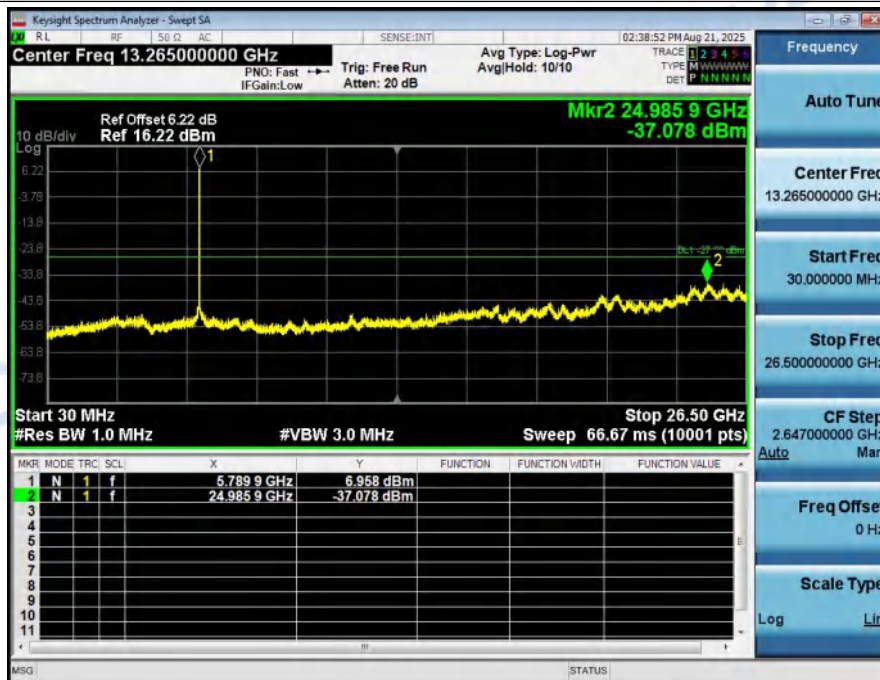
Spurious\_Emission\_NVNT\_ANT1\_802\_11a\_5825



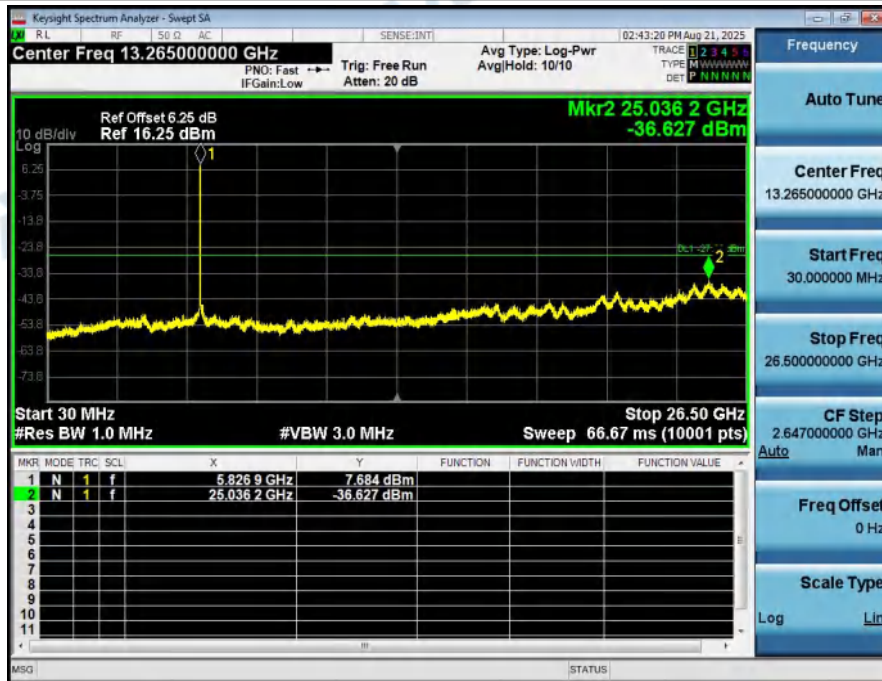
### Spurious\_Emission\_NVNT\_ANT1\_802\_11n(HT20)\_5745



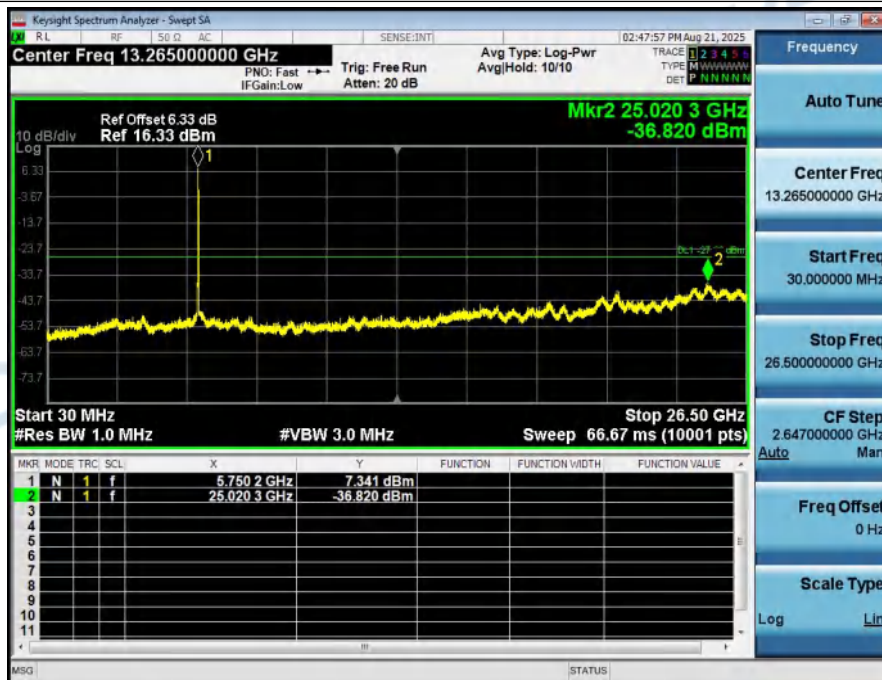
### Spurious\_Emission\_NVNT\_ANT1\_802\_11n(HT20)\_5785



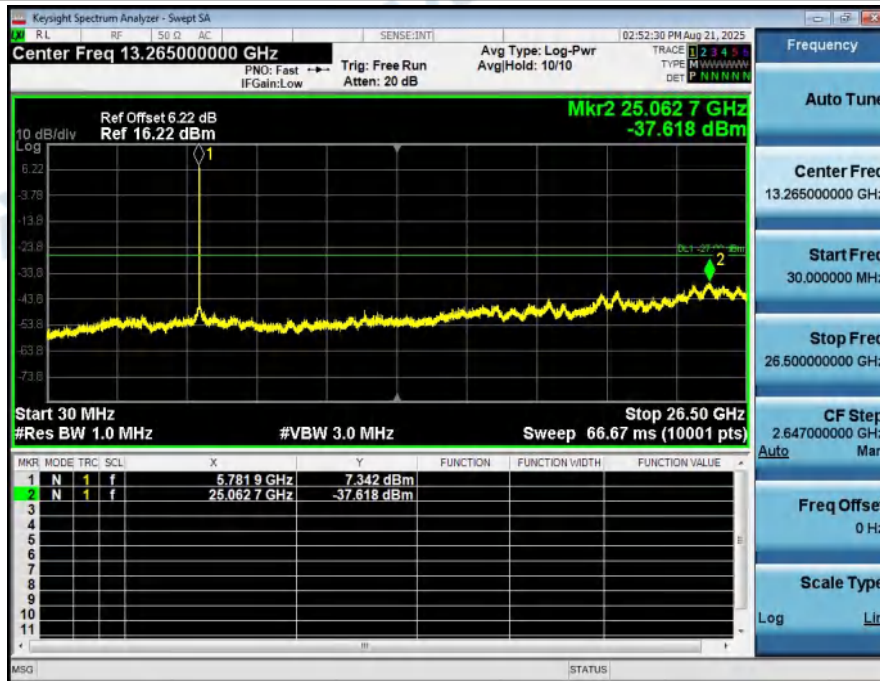
Spurious\_Emission\_NVNT\_ANT1\_802\_11n(HT20)\_5825



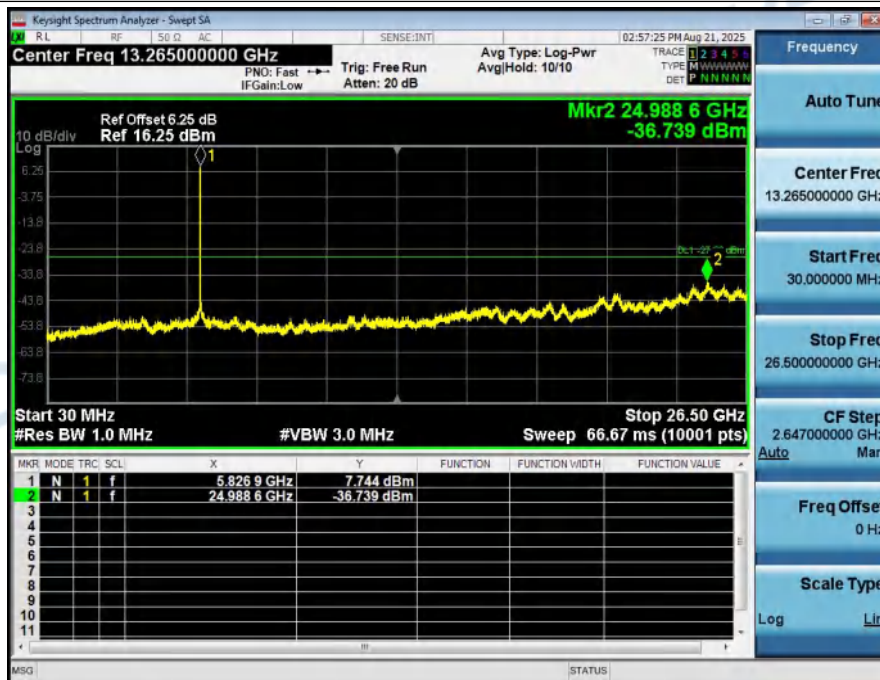
Spurious\_Emission\_NVNT\_ANT1\_802\_11ac(VHT20)\_5745



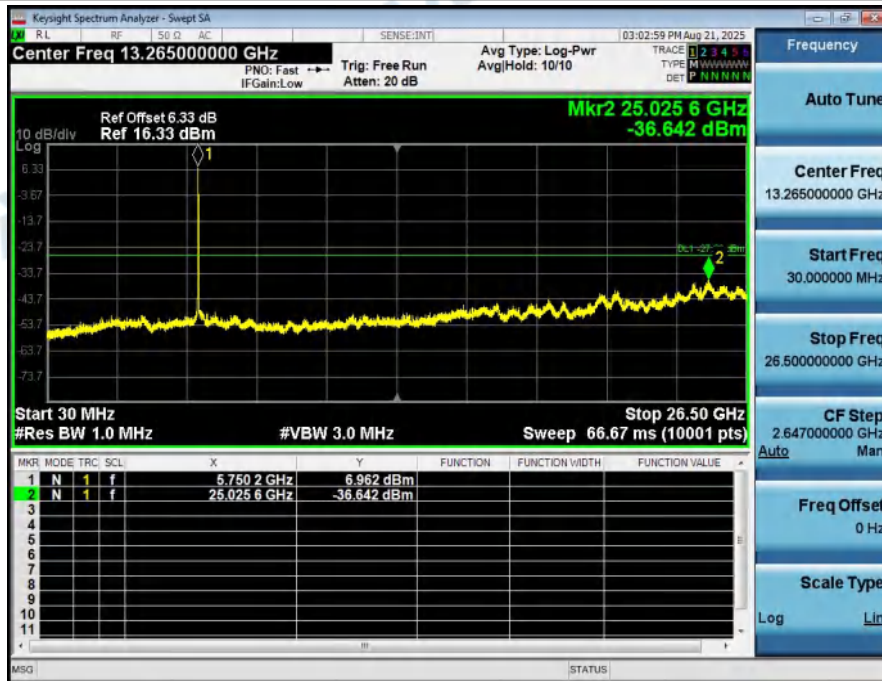
Spurious\_Emission\_NVNT\_ANT1\_802\_11ac(VHT20)\_5785



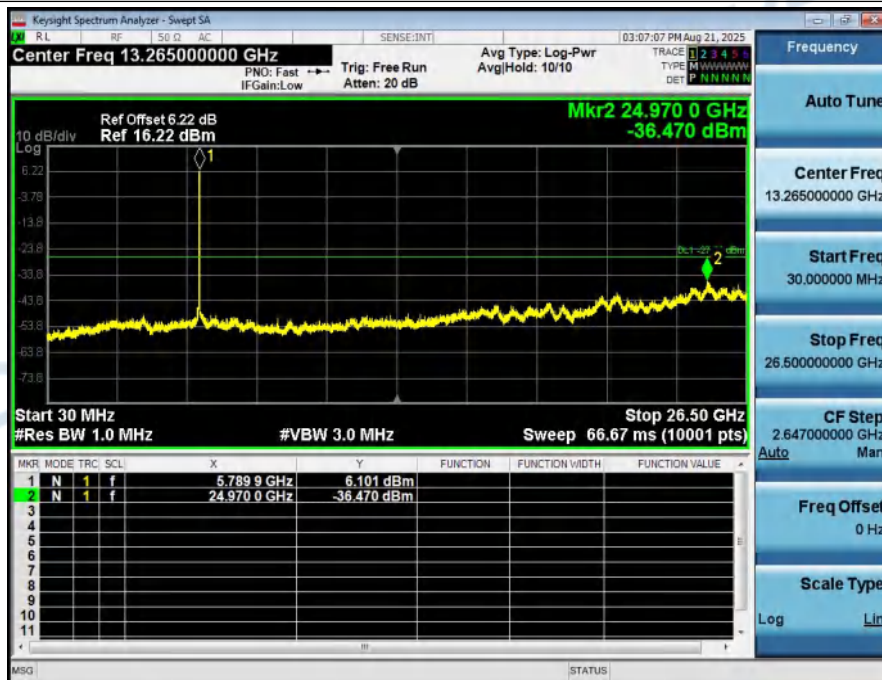
Spurious\_Emission\_NVNT\_ANT1\_802\_11ac(VHT20)\_5825



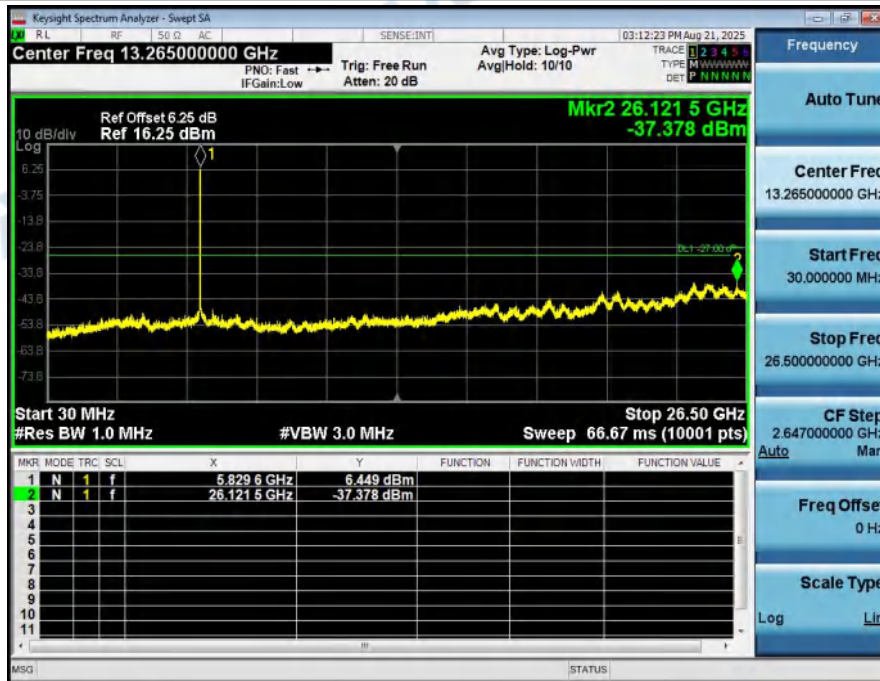
Spurious\_Emission\_NVNT\_ANT1\_802\_11ax(HE20)\_5745



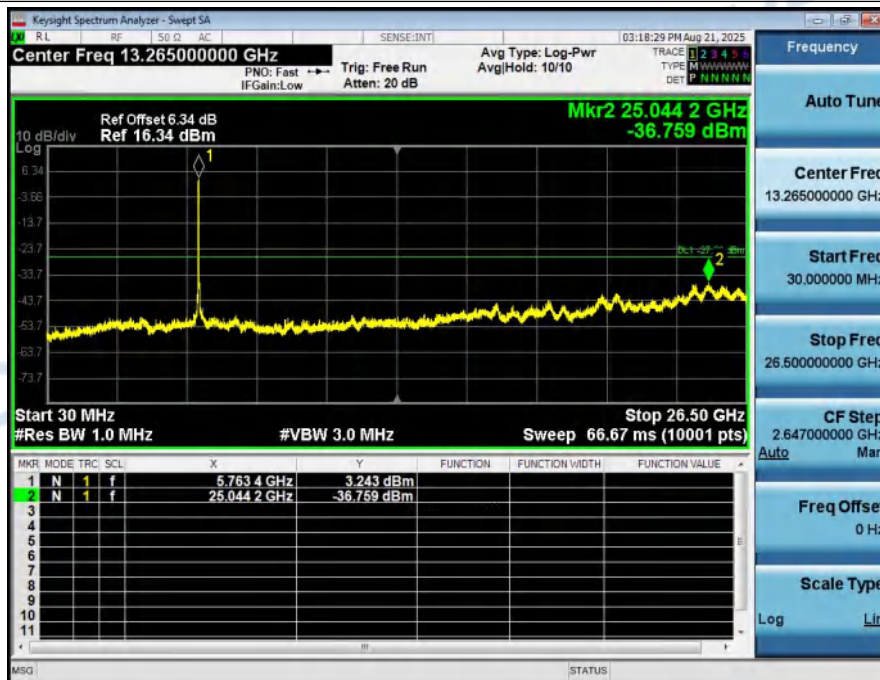
Spurious\_Emission\_NVNT\_ANT1\_802\_11ax(HE20)\_5785



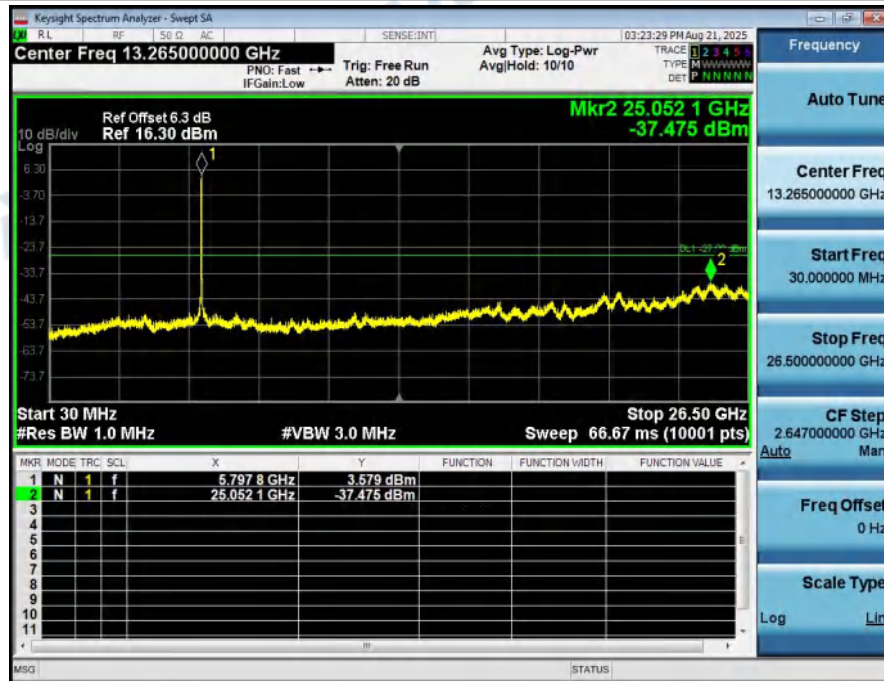
### Spurious\_Emission\_NVNT\_ANT1\_802\_11ax(HE20)\_5825



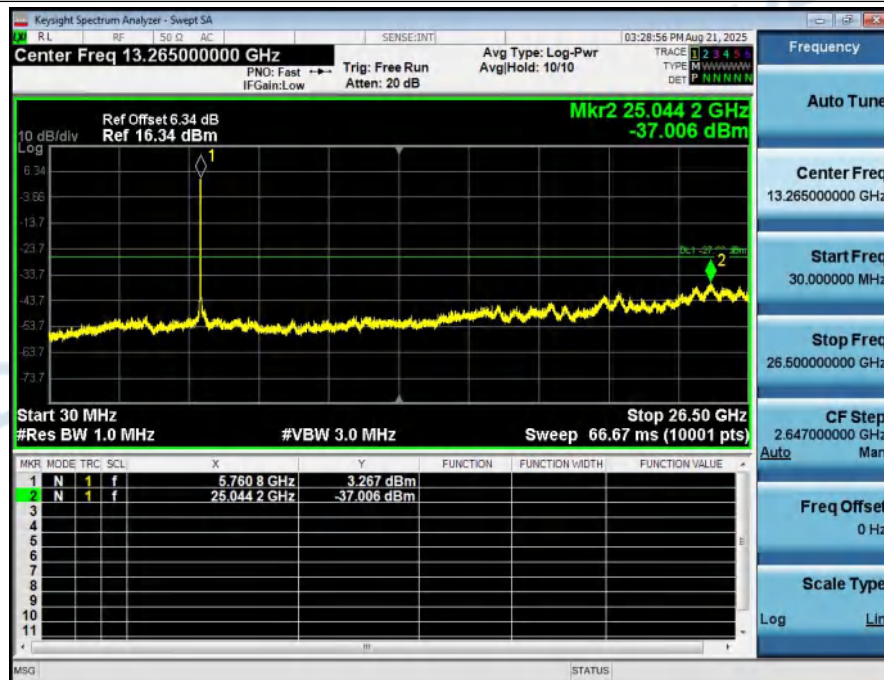
### Spurious\_Emission\_NVNT\_ANT1\_802\_11n(HT40)\_5755



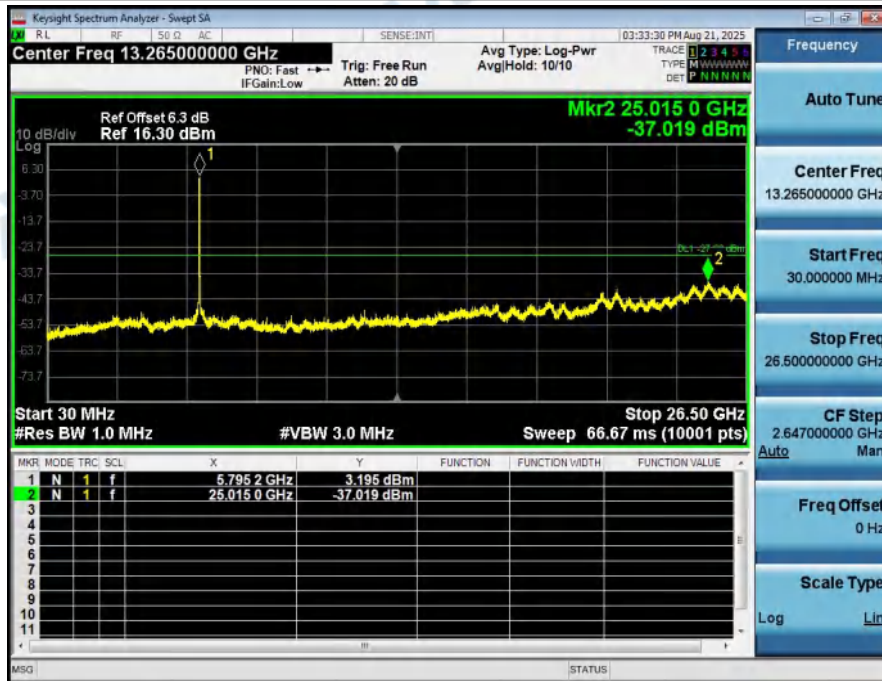
Spurious\_Emission\_NVNT\_ANT1\_802\_11n(HT40)\_5795



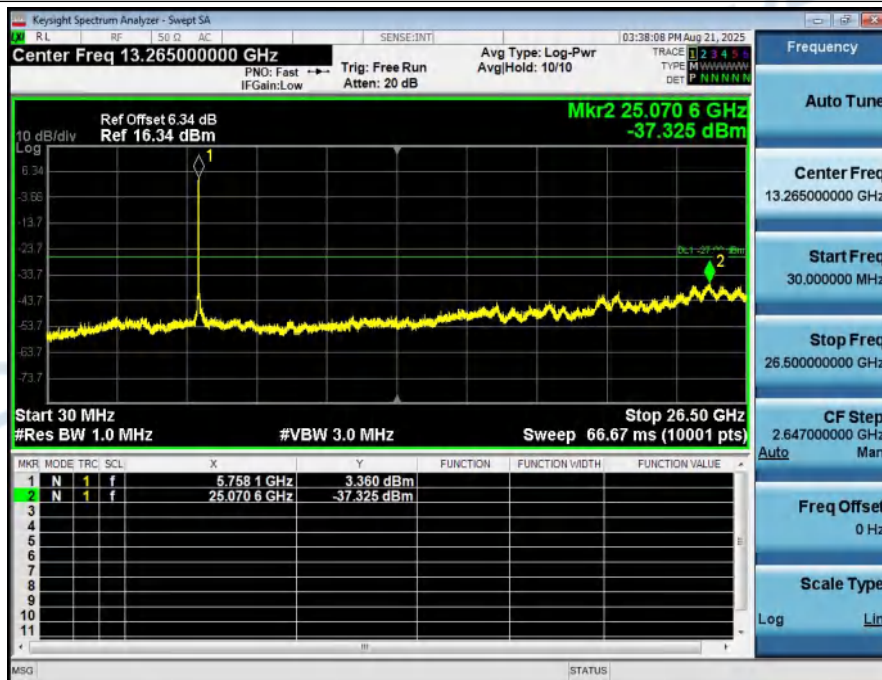
Spurious\_Emission\_NVNT\_ANT1\_802\_11ac(VHT40)\_5755



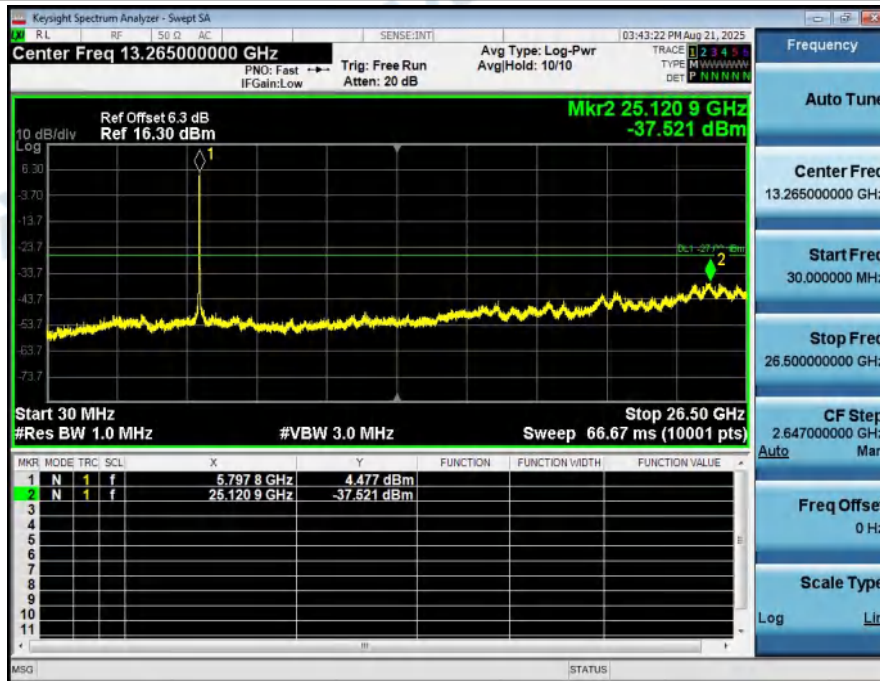
Spurious\_Emission\_NVNT\_ANT1\_802\_11ac(VHT40)\_5795



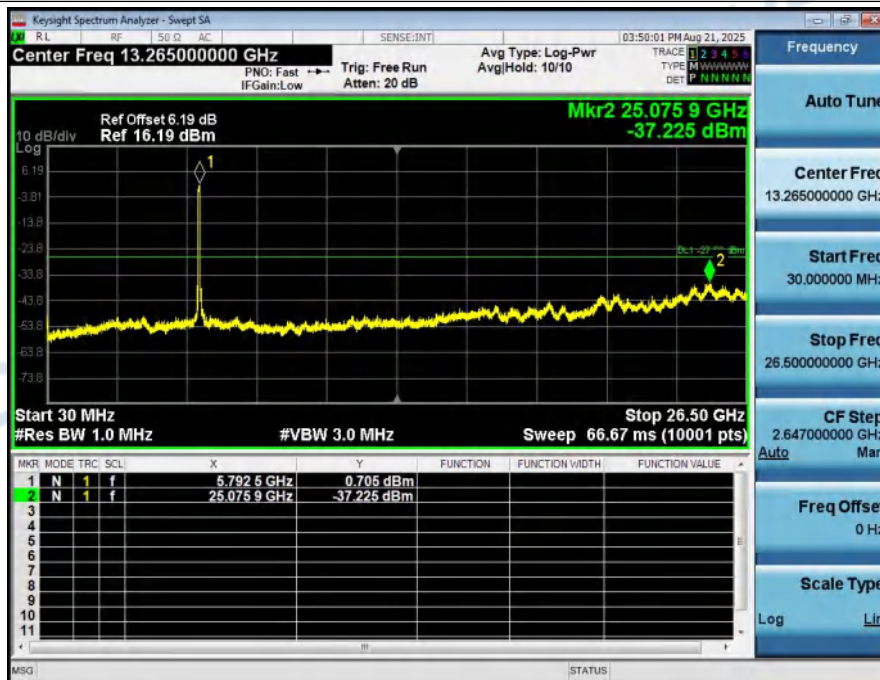
Spurious\_Emission\_NVNT\_ANT1\_802\_11ax(HE40)\_5755



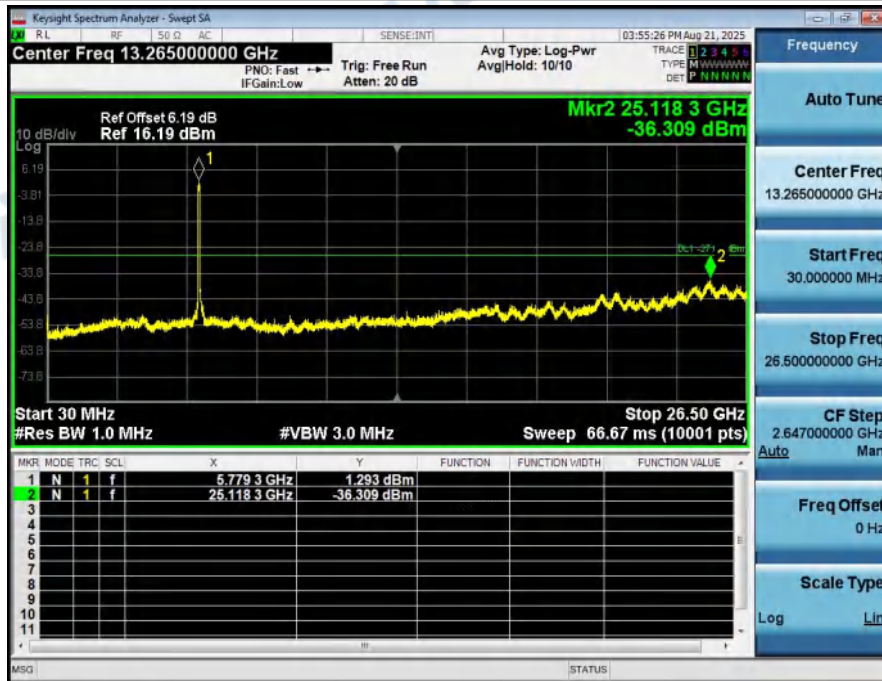
### Spurious\_Emission\_NVNT\_ANT1\_802\_11ax(HE40)\_5795



### Spurious\_Emission\_NVNT\_ANT1\_802\_11ac(VHT80)\_5775



Spurious\_Emission\_NVNT\_ANT1\_802\_11ax(HE80)\_5775



## 8. Frequency Stability

| Condition           | Antenna | Modulation | Frequency (MHz) | Fc(MHz)  | Fi(MHz)  | Fh(MHz)  | Limit(MHz) | Result |
|---------------------|---------|------------|-----------------|----------|----------|----------|------------|--------|
| 55degrees C&&3.80V  | ANT1    | 802.11a    | 5745.00         | 5745.030 | 5736.676 | 5753.384 | 5725~5850  | Pass   |
| 45degrees C&&3.80V  | ANT1    | 802.11a    | 5745.00         | 5745.026 | 5736.828 | 5753.224 | 5725~5850  | Pass   |
| 35degrees C&&3.80V  | ANT1    | 802.11a    | 5745.00         | 5745.028 | 5736.916 | 5753.140 | 5725~5850  | Pass   |
| 25degrees C&&3.80V  | ANT1    | 802.11a    | 5745.00         | 5745.032 | 5736.984 | 5753.080 | 5725~5850  | Pass   |
| 15degrees C&&3.80V  | ANT1    | 802.11a    | 5745.00         | 5745.024 | 5737.044 | 5753.004 | 5725~5850  | Pass   |
| 5degrees C&&3.80V   | ANT1    | 802.11a    | 5745.00         | 5745.026 | 5737.096 | 5752.956 | 5725~5850  | Pass   |
| -5degrees C&&3.80V  | ANT1    | 802.11a    | 5745.00         | 5745.018 | 5737.156 | 5752.880 | 5725~5850  | Pass   |
| -15degrees C&&3.80V | ANT1    | 802.11a    | 5745.00         | 5745.032 | 5737.204 | 5752.860 | 5725~5850  | Pass   |
| 25degrees C&&4.37V  | ANT1    | 802.11a    | 5745.00         | 5745.030 | 5737.252 | 5752.808 | 5725~5850  | Pass   |
| 25degrees C&&3.80V  | ANT1    | 802.11a    | 5745.00         | 5745.024 | 5737.304 | 5752.744 | 5725~5850  | Pass   |
| 25degrees C&&3.23V  | ANT1    | 802.11a    | 5745.00         | 5745.014 | 5737.340 | 5752.688 | 5725~5850  | Pass   |
| 55degrees C&&3.80V  | ANT1    | 802.11a    | 5785.00         | 5785.032 | 5776.680 | 5793.384 | 5725~5850  | Pass   |
| 45degrees C&&3.80V  | ANT1    | 802.11a    | 5785.00         | 5785.034 | 5776.840 | 5793.228 | 5725~5850  | Pass   |
| 35degrees C&&3.80V  | ANT1    | 802.11a    | 5785.00         | 5785.036 | 5776.916 | 5793.156 | 5725~5850  | Pass   |
| 25degrees C&&3.80V  | ANT1    | 802.11a    | 5785.00         | 5785.036 | 5776.988 | 5793.084 | 5725~5850  | Pass   |
| 15degrees C&&3.80V  | ANT1    | 802.11a    | 5785.00         | 5785.040 | 5777.056 | 5793.024 | 5725~5850  | Pass   |
| 5degrees C&&3.80V   | ANT1    | 802.11a    | 5785.00         | 5785.034 | 5777.116 | 5792.952 | 5725~5850  | Pass   |
| -5degrees C&&3.80V  | ANT1    | 802.11a    | 5785.00         | 5785.040 | 5777.180 | 5792.900 | 5725~5850  | Pass   |
| -15degrees C&&3.80V | ANT1    | 802.11a    | 5785.00         | 5785.044 | 5777.228 | 5792.860 | 5725~5850  | Pass   |
| 25degrees C&&4.37V  | ANT1    | 802.11a    | 5785.00         | 5785.056 | 5777.280 | 5792.832 | 5725~5850  | Pass   |
| 25degrees C&&3.80V  | ANT1    | 802.11a    | 5785.00         | 5785.052 | 5777.332 | 5792.772 | 5725~5850  | Pass   |
| 25degrees C&&3.23V  | ANT1    | 802.11a    | 5785.00         | 5785.052 | 5777.376 | 5792.728 | 5725~5850  | Pass   |
| 55degrees C&&3.80V  | ANT1    | 802.11a    | 5825.00         | 5825.036 | 5816.680 | 5833.392 | 5725~5850  | Pass   |
| 45degrees C&&3.80V  | ANT1    | 802.11a    | 5825.00         | 5825.040 | 5816.844 | 5833.236 | 5725~5850  | Pass   |
| 35degrees C&&3.80V  | ANT1    | 802.11a    | 5825.00         | 5825.038 | 5816.928 | 5833.148 | 5725~5850  | Pass   |
| 25degrees C&&3.80V  | ANT1    | 802.11a    | 5825.00         | 5825.038 | 5816.988 | 5833.088 | 5725~5850  | Pass   |
| 15degrees C&&3.80V  | ANT1    | 802.11a    | 5825.00         | 5825.040 | 5817.052 | 5833.028 | 5725~5850  | Pass   |
| 5degrees C&&3.80V   | ANT1    | 802.11a    | 5825.00         | 5825.034 | 5817.104 | 5832.964 | 5725~5850  | Pass   |
| -5degrees C&&3.80V  | ANT1    | 802.11a    | 5825.00         | 5825.026 | 5817.148 | 5832.904 | 5725~5850  | Pass   |
| -15degrees C&&3.80V | ANT1    | 802.11a    | 5825.00         | 5825.022 | 5817.200 | 5832.844 | 5725~5850  | Pass   |
| 25degrees C&&4.37V  | ANT1    | 802.11a    | 5825.00         | 5825.026 | 5817.244 | 5832.808 | 5725~5850  | Pass   |
| 25degrees C&&3.80V  | ANT1    | 802.11a    | 5825.00         | 5825.036 | 5817.300 | 5832.772 | 5725~5850  | Pass   |
| 25degrees C&&3.23V  | ANT1    | 802.11a    | 5825.00         | 5825.034 | 5817.344 | 5832.724 | 5725~5850  | Pass   |

# Appendix---5.8G--ANT2