

## Appendix A: Test Results of 5.1GHz Wi-Fi

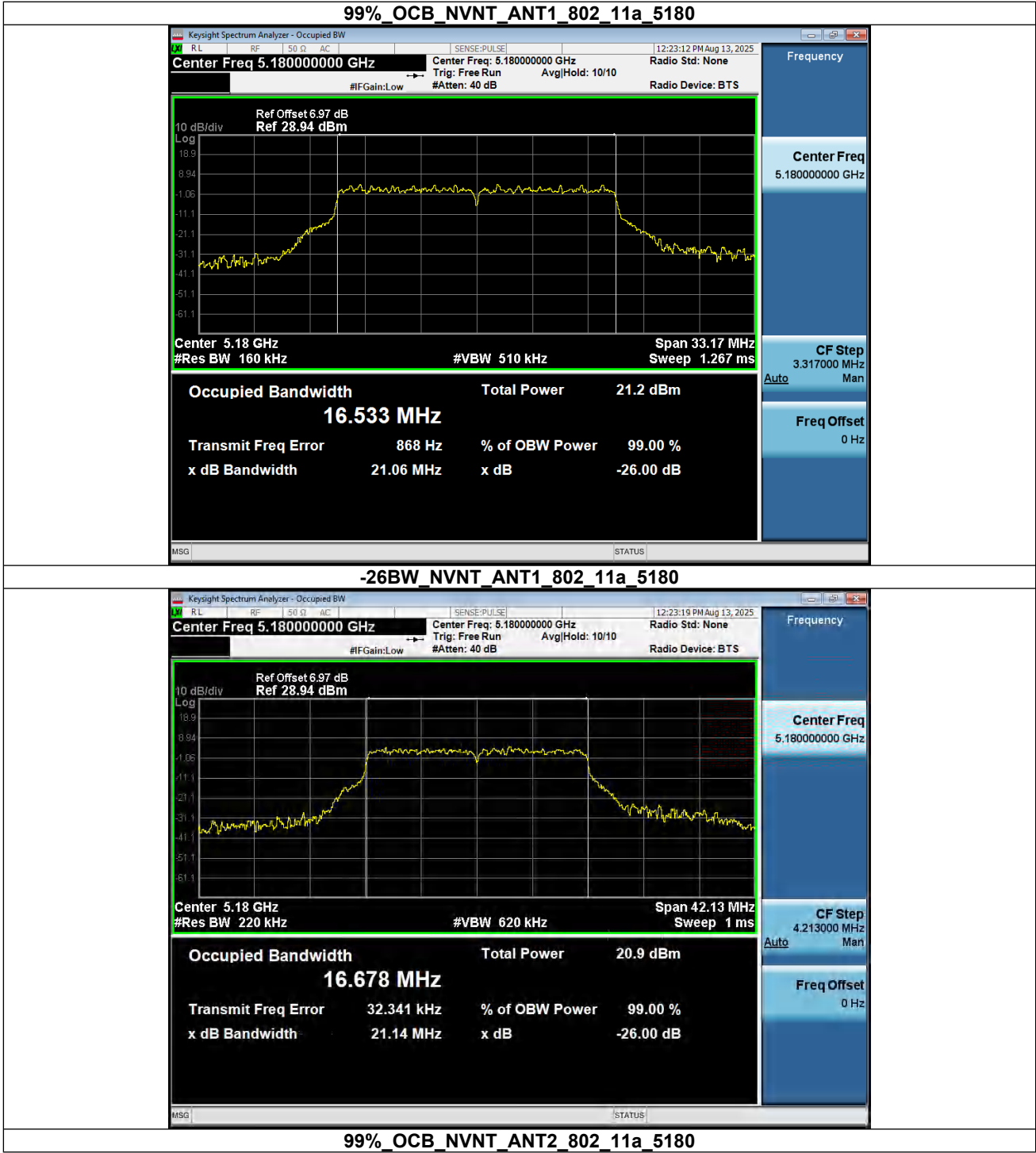
|                                                                                   |            |
|-----------------------------------------------------------------------------------|------------|
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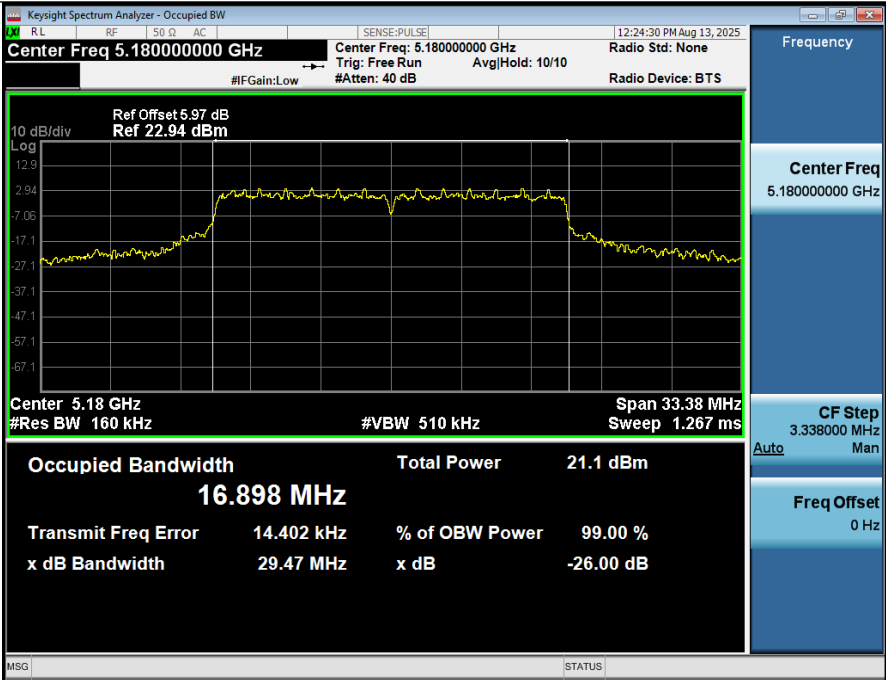
## Appendix A.1: Test Results of 26dB Bandwidth and 99% Bandwidth

### Test Result

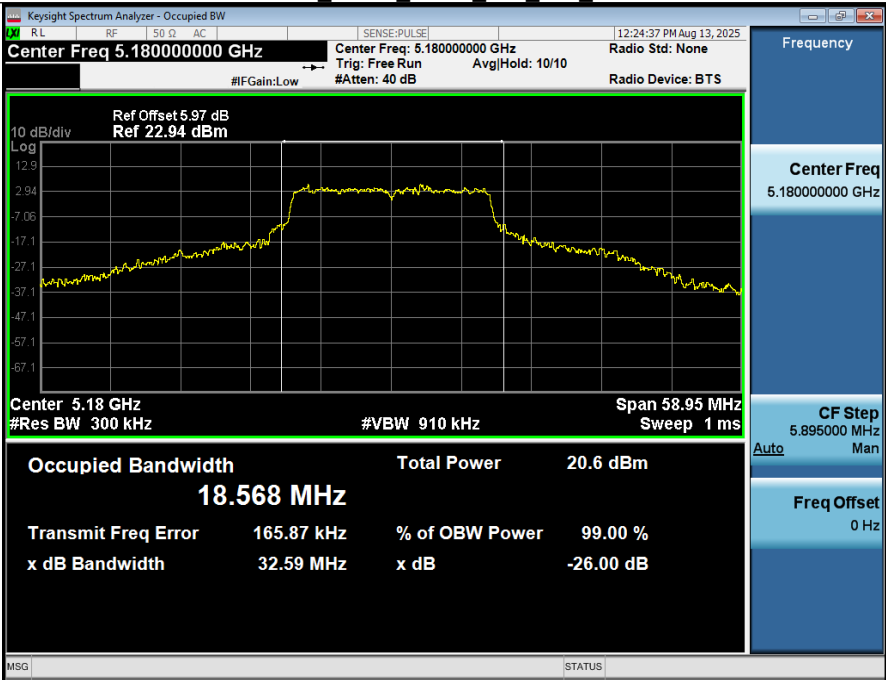
| Condition | Antenna | Modulation      | Frequency (MHz) | -26dB Emission Bandwidth (MHz) | Occupied Bandwidth (MHz) |
|-----------|---------|-----------------|-----------------|--------------------------------|--------------------------|
| NVNT      | ANT1    | 802.11a         | 5180.00         | 21.14                          | 16.53                    |
| NVNT      | ANT2    | 802.11a         | 5180.00         | 32.59                          | 16.90                    |
| NVNT      | ANT1    | 802.11a         | 5200.00         | 21.09                          | 16.55                    |
| NVNT      | ANT2    | 802.11a         | 5200.00         | 32.61                          | 16.93                    |
| NVNT      | ANT1    | 802.11a         | 5240.00         | 21.29                          | 16.55                    |
| NVNT      | ANT2    | 802.11a         | 5240.00         | 32.90                          | 17.03                    |
| NVNT      | ANT1    | 802.11n(HT20)   | 5180.00         | 21.97                          | 17.99                    |
| NVNT      | ANT2    | 802.11n(HT20)   | 5180.00         | 21.57                          | 17.88                    |
| NVNT      | ANT1    | 802.11n(HT20)   | 5200.00         | 21.72                          | 17.94                    |
| NVNT      | ANT2    | 802.11n(HT20)   | 5200.00         | 21.66                          | 17.90                    |
| NVNT      | ANT1    | 802.11n(HT20)   | 5240.00         | 21.93                          | 17.86                    |
| NVNT      | ANT2    | 802.11n(HT20)   | 5240.00         | 21.72                          | 17.92                    |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5180.00         | 21.52                          | 17.76                    |
| NVNT      | ANT2    | 802.11ac(VHT20) | 5180.00         | 21.21                          | 17.77                    |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5200.00         | 21.48                          | 17.79                    |
| NVNT      | ANT2    | 802.11ac(VHT20) | 5200.00         | 21.39                          | 17.78                    |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5240.00         | 21.47                          | 17.76                    |
| NVNT      | ANT2    | 802.11ac(VHT20) | 5240.00         | 21.46                          | 17.76                    |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5180.00         | 21.28                          | 18.96                    |
| NVNT      | ANT2    | 802.11ax(HE20)  | 5180.00         | 21.40                          | 19.05                    |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5200.00         | 21.29                          | 19.02                    |
| NVNT      | ANT2    | 802.11ax(HE20)  | 5200.00         | 21.18                          | 19.02                    |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5240.00         | 21.72                          | 19.03                    |
| NVNT      | ANT2    | 802.11ax(HE20)  | 5240.00         | 21.55                          | 19.02                    |
| NVNT      | ANT1    | 802.11n(HT40)   | 5190.00         | 40.00                          | 36.32                    |
| NVNT      | ANT2    | 802.11n(HT40)   | 5190.00         | 40.30                          | 36.30                    |
| NVNT      | ANT1    | 802.11n(HT40)   | 5230.00         | 40.13                          | 36.35                    |
| NVNT      | ANT2    | 802.11n(HT40)   | 5230.00         | 40.36                          | 36.30                    |
| NVNT      | ANT1    | 802.11ac(VHT40) | 5190.00         | 55.82                          | 36.44                    |
| NVNT      | ANT2    | 802.11ac(VHT40) | 5190.00         | 39.46                          | 36.34                    |
| NVNT      | ANT1    | 802.11ac(VHT40) | 5230.00         | 55.92                          | 36.35                    |
| NVNT      | ANT2    | 802.11ac(VHT40) | 5230.00         | 49.58                          | 36.38                    |
| NVNT      | ANT1    | 802.11ax(HE40)  | 5190.00         | 55.98                          | 36.39                    |
| NVNT      | ANT2    | 802.11ax(HE40)  | 5190.00         | 49.99                          | 36.32                    |
| NVNT      | ANT1    | 802.11ax(HE40)  | 5230.00         | 39.67                          | 36.37                    |
| NVNT      | ANT2    | 802.11ax(HE40)  | 5230.00         | 39.29                          | 36.23                    |
| NVNT      | ANT1    | 802.11ac(VHT80) | 5210.00         | 111.84                         | 75.96                    |
| NVNT      | ANT2    | 802.11ac(VHT80) | 5210.00         | 97.78                          | 76.01                    |
| NVNT      | ANT1    | 802.11ax(HE80)  | 5210.00         | 114.67                         | 75.90                    |
| NVNT      | ANT2    | 802.11ax(HE80)  | 5210.00         | 110.41                         | 75.93                    |

Test Graphs

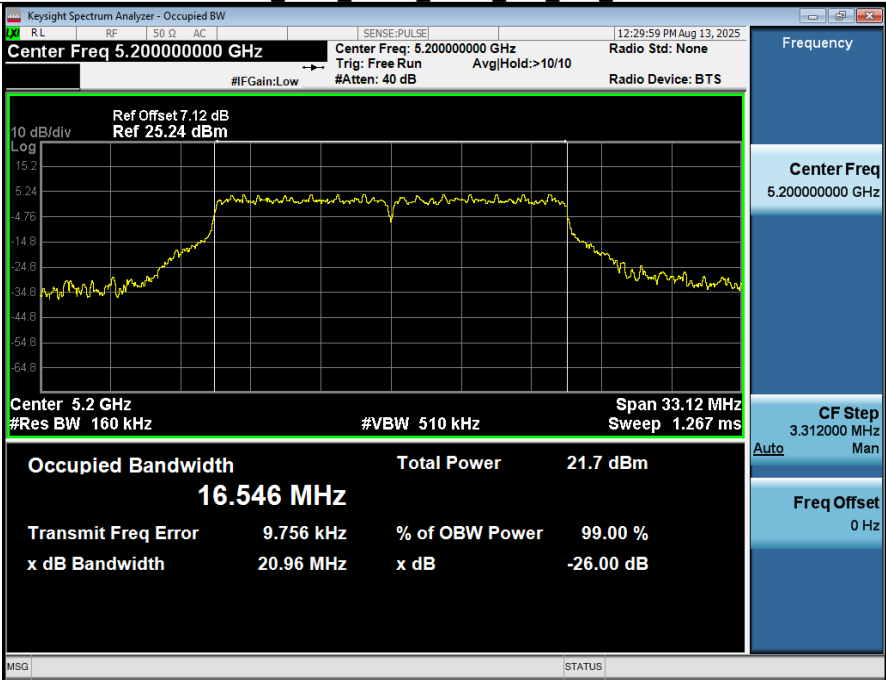




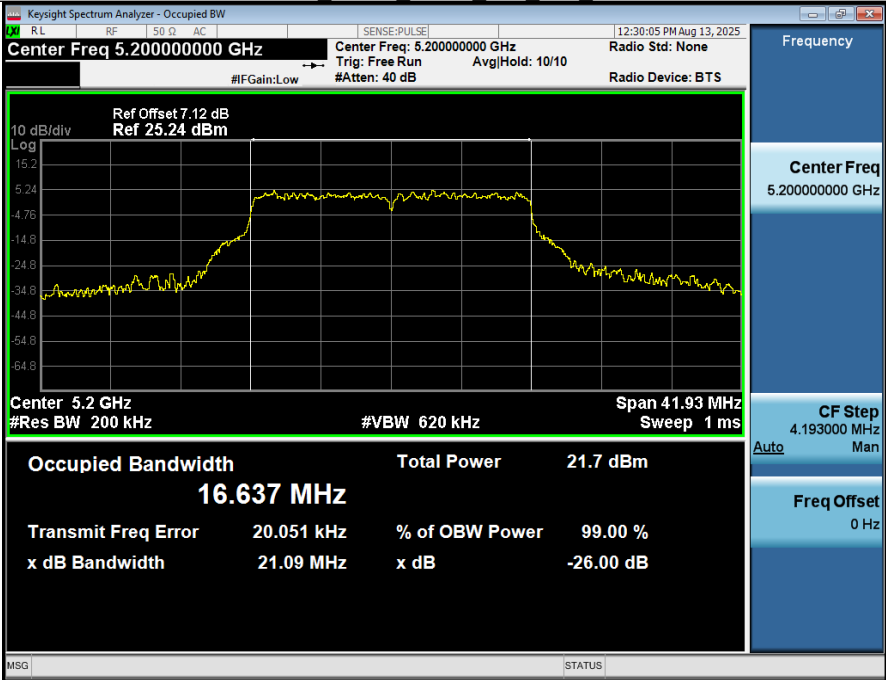
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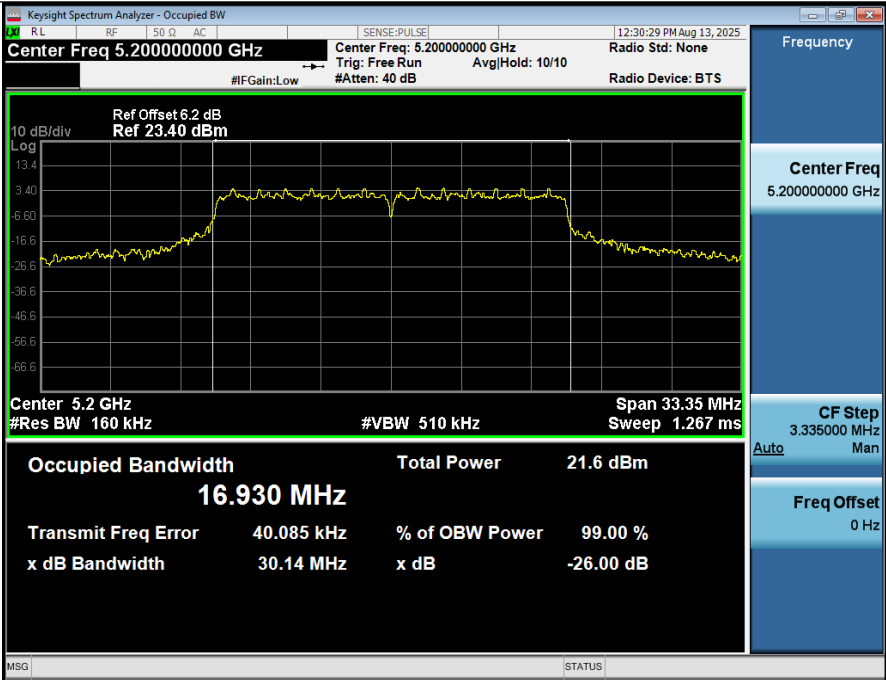
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-26BW\_NVNT\_ANT1\_802\_11a\_5200



99%\_OCB\_NVNT\_ANT2\_802\_11a\_5200



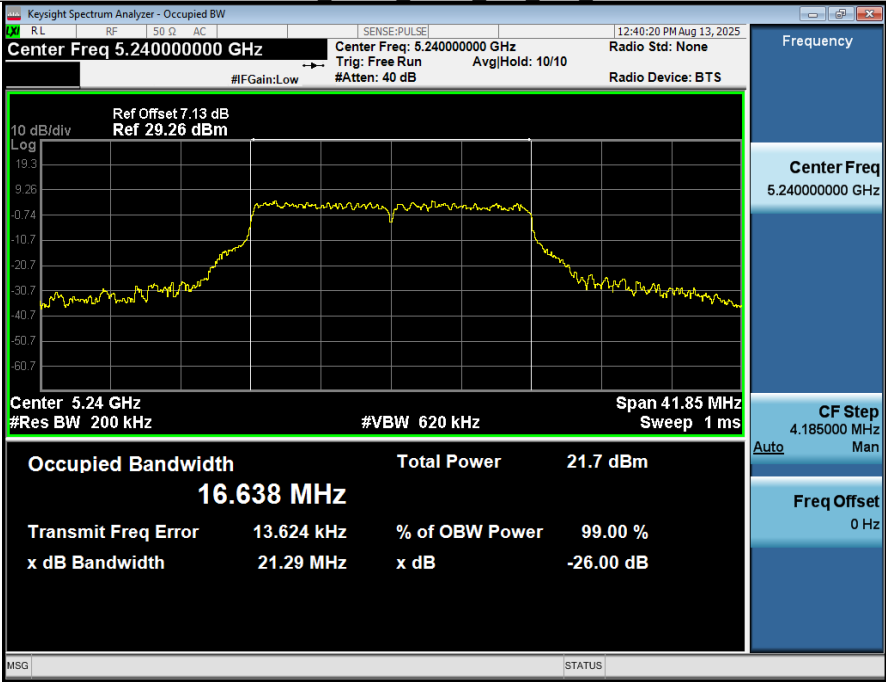
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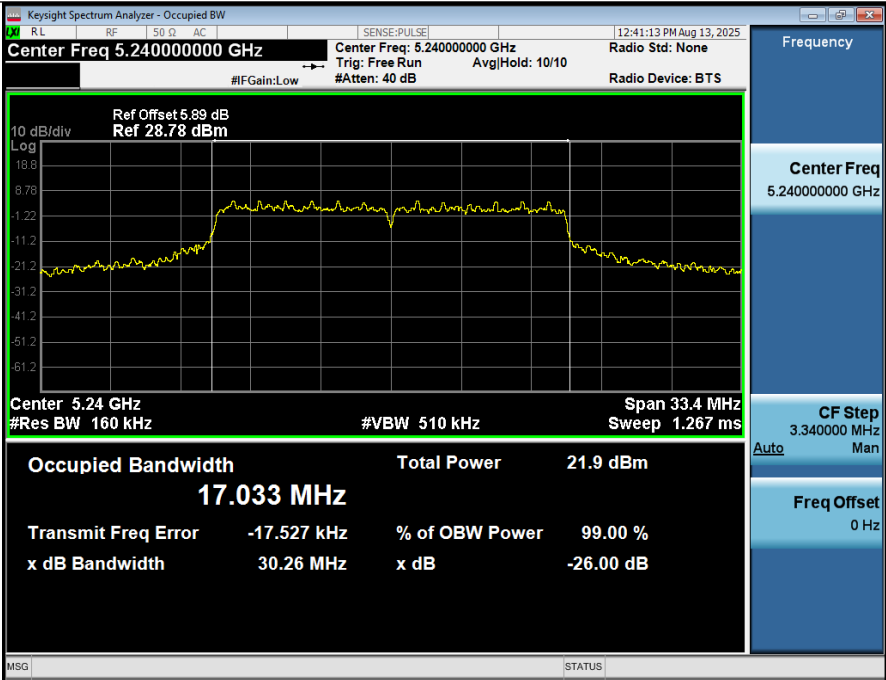
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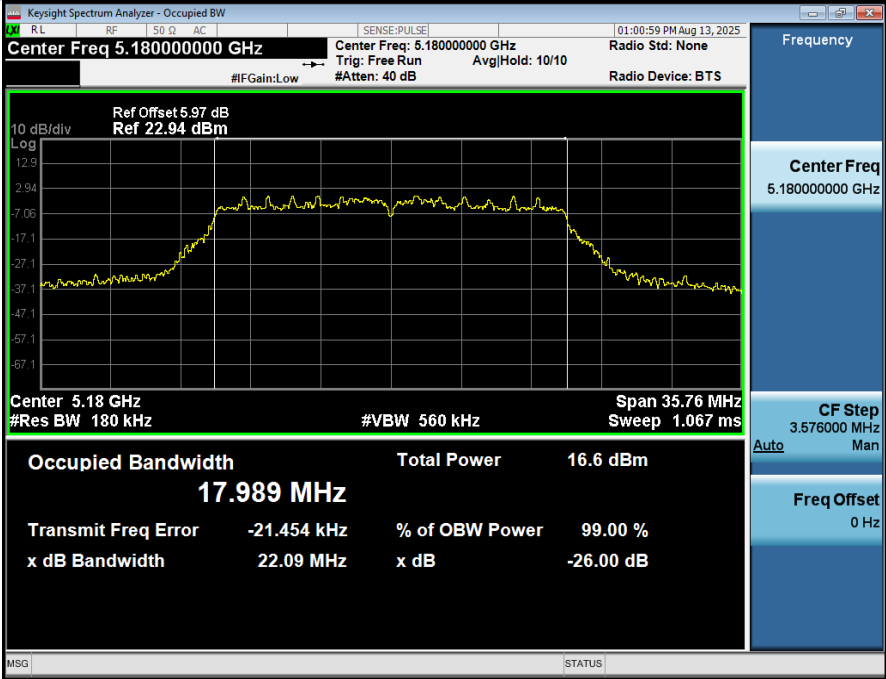
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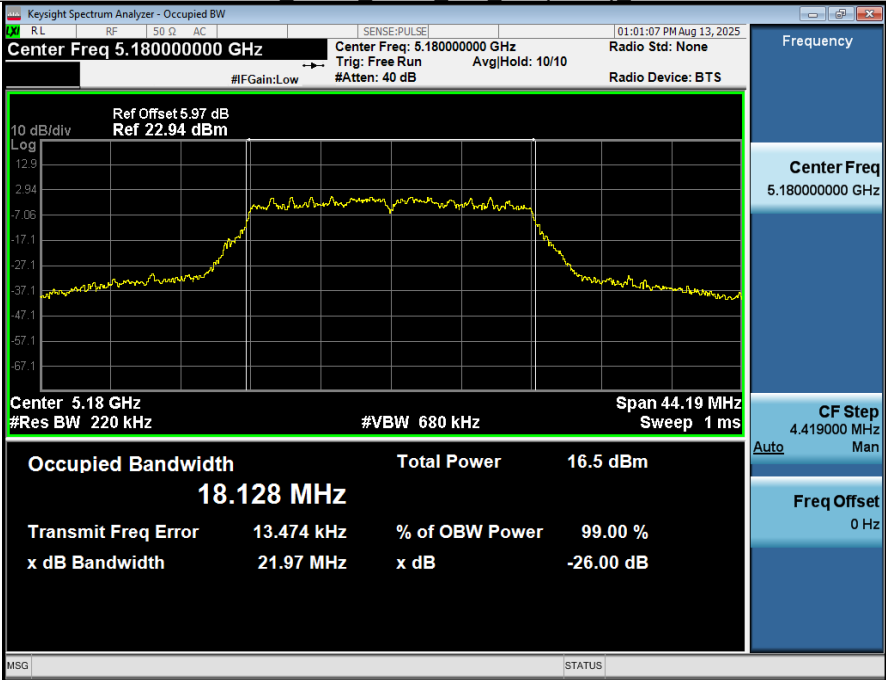
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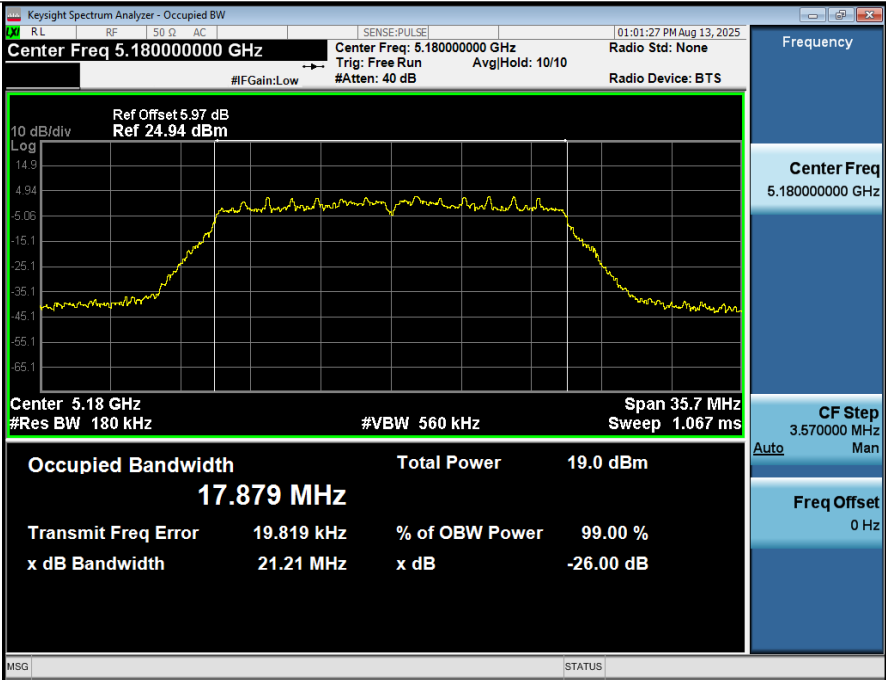
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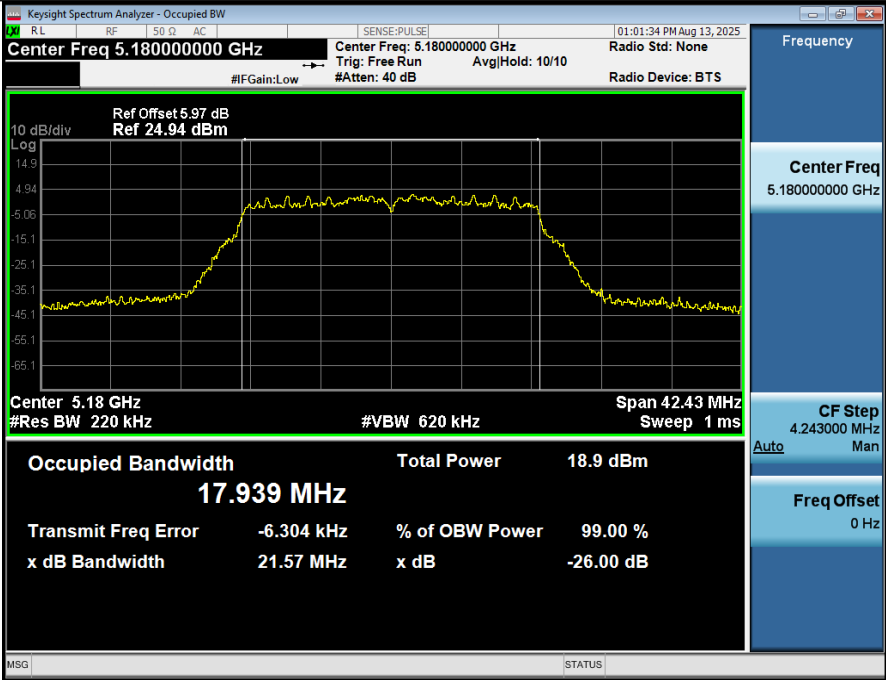
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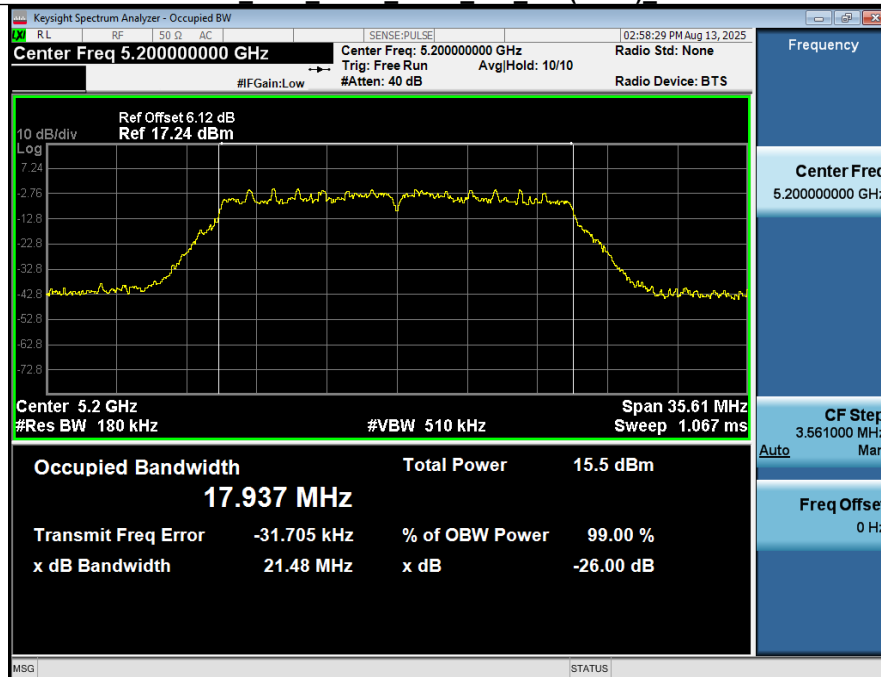
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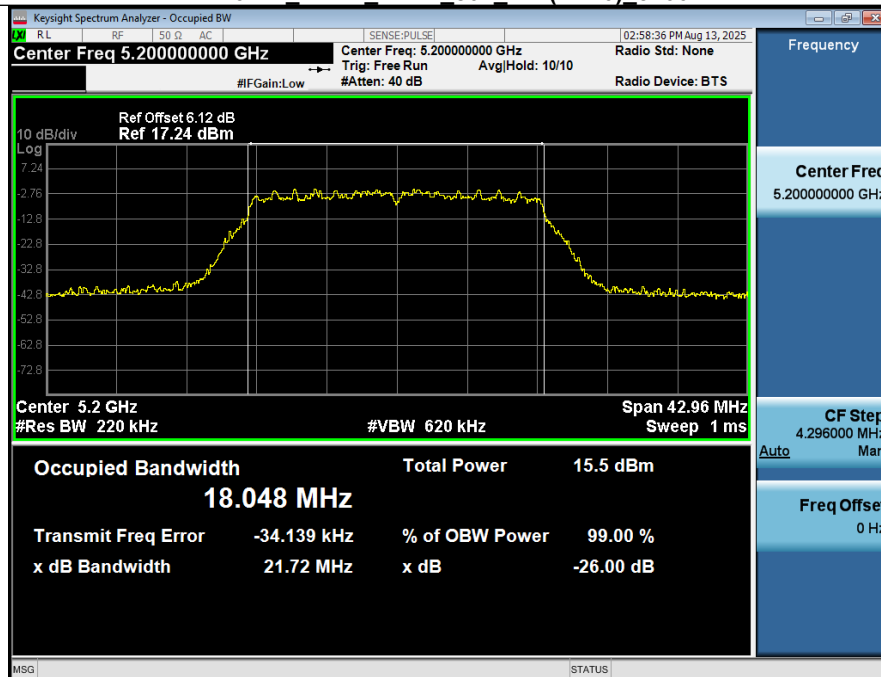
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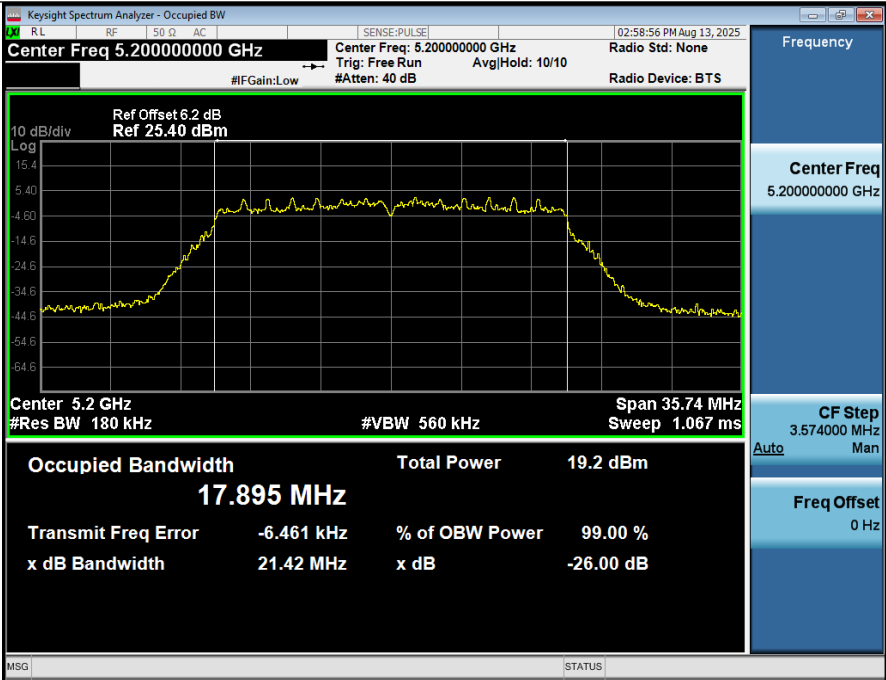
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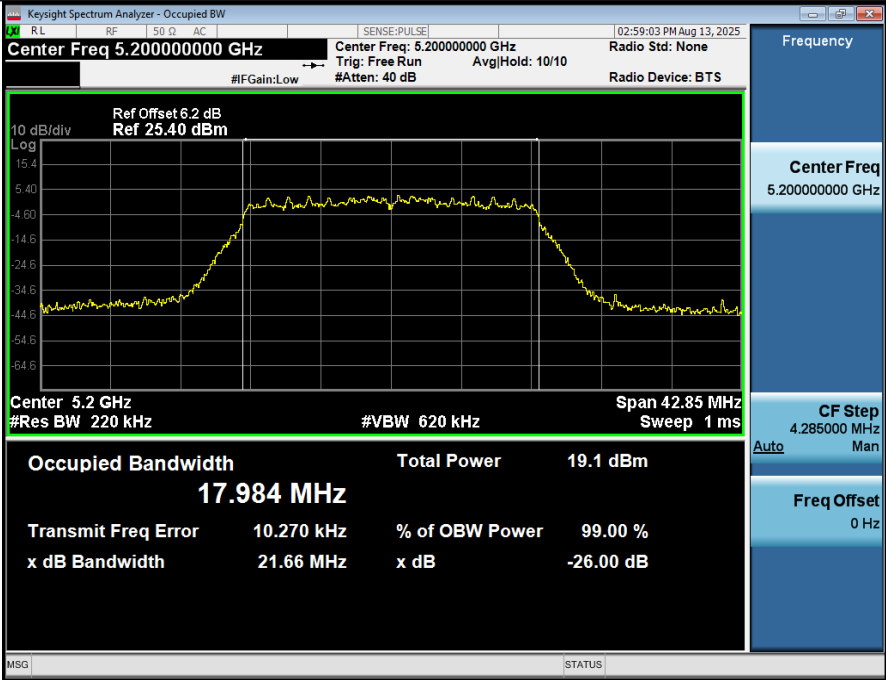
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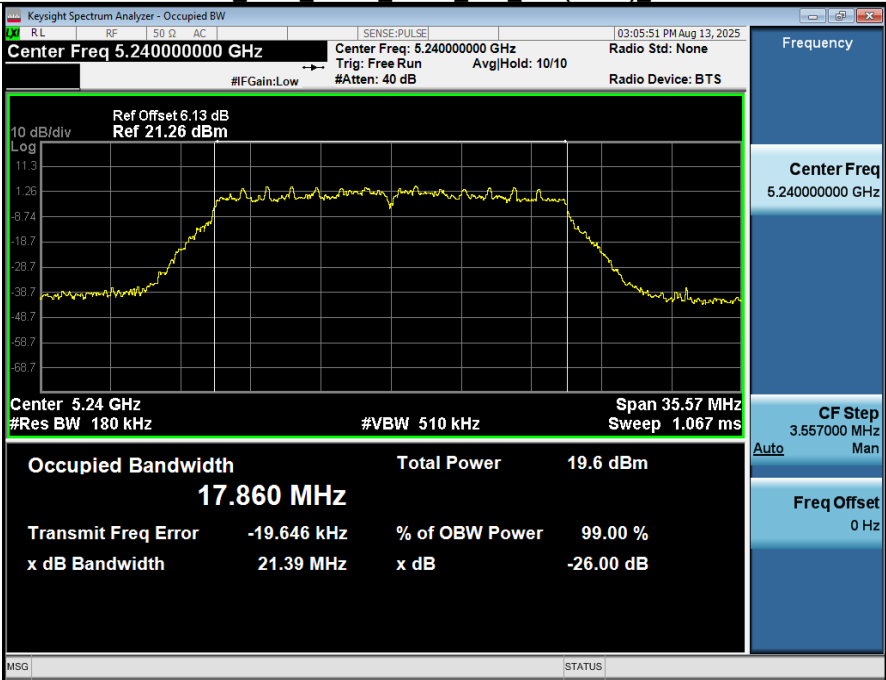
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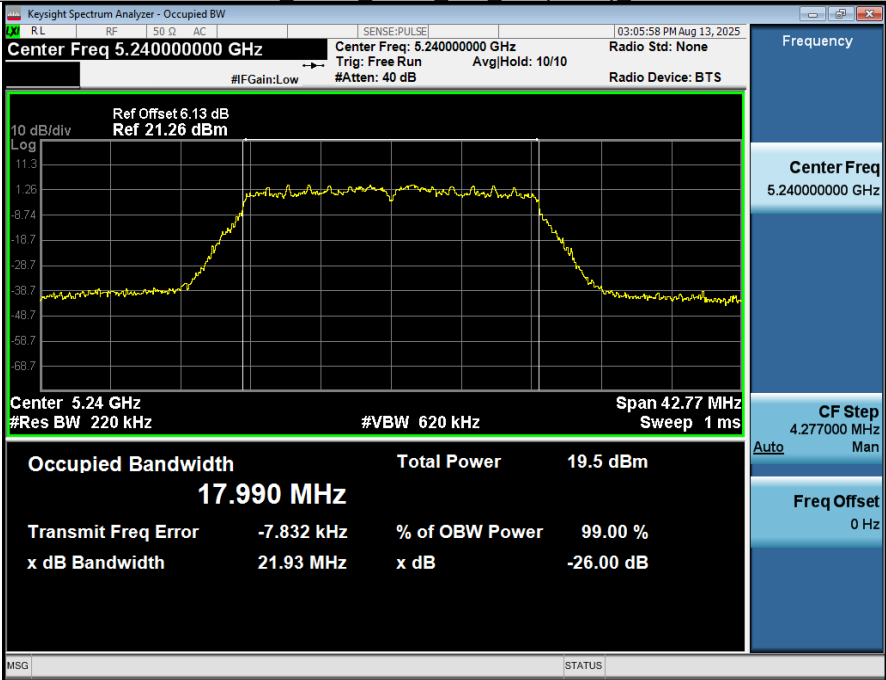
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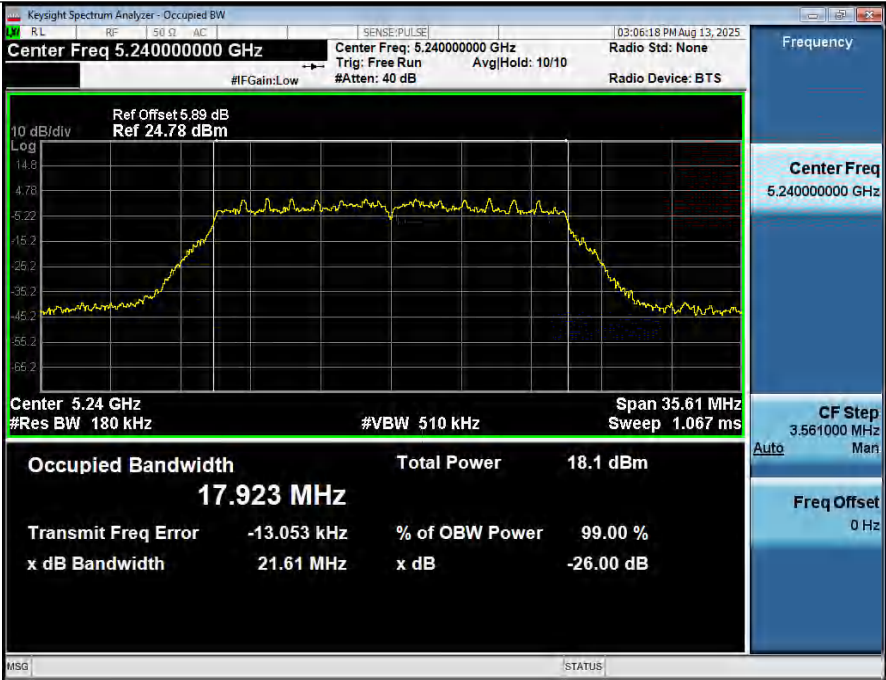
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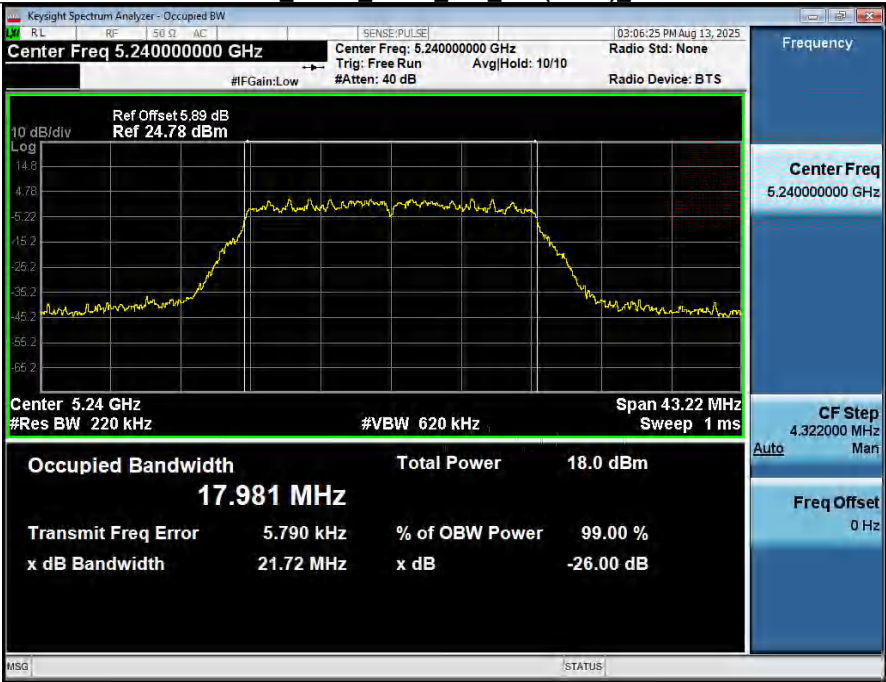
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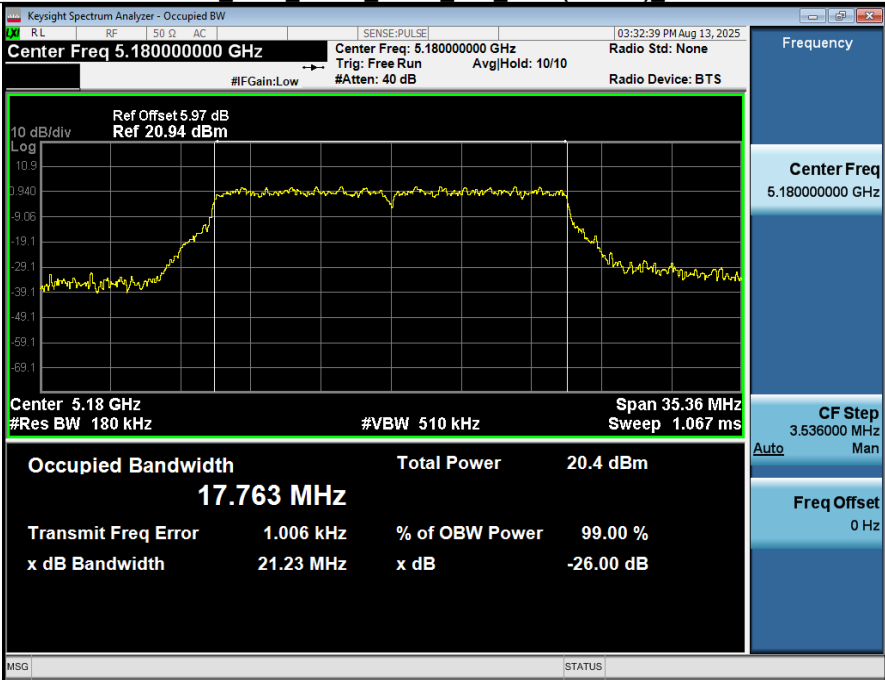
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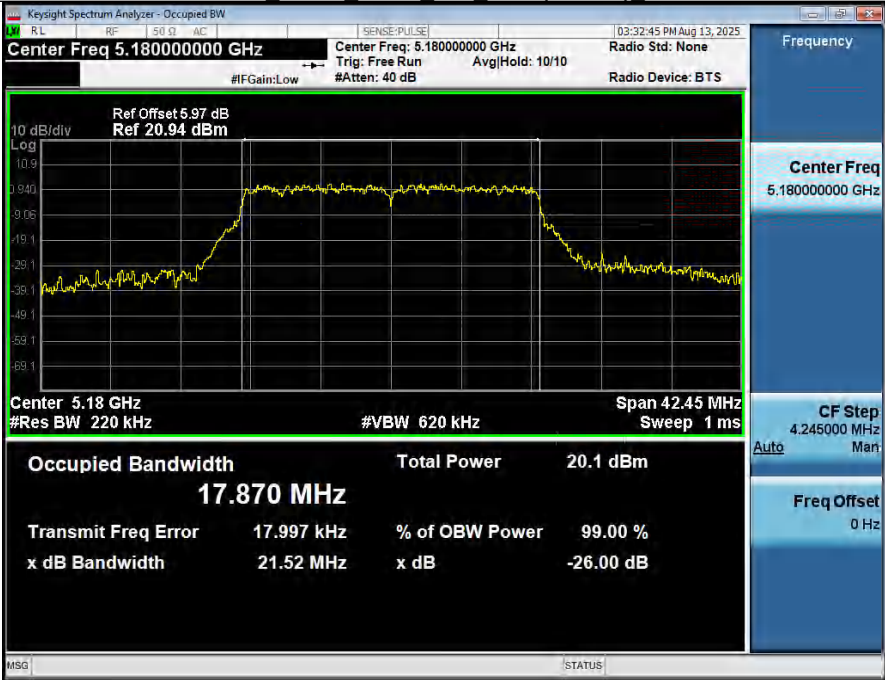
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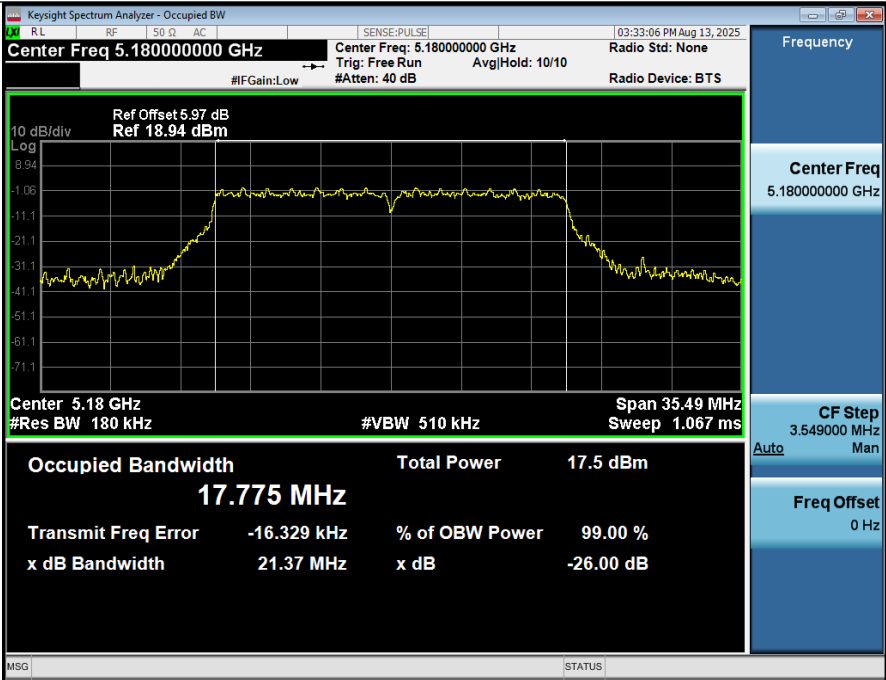
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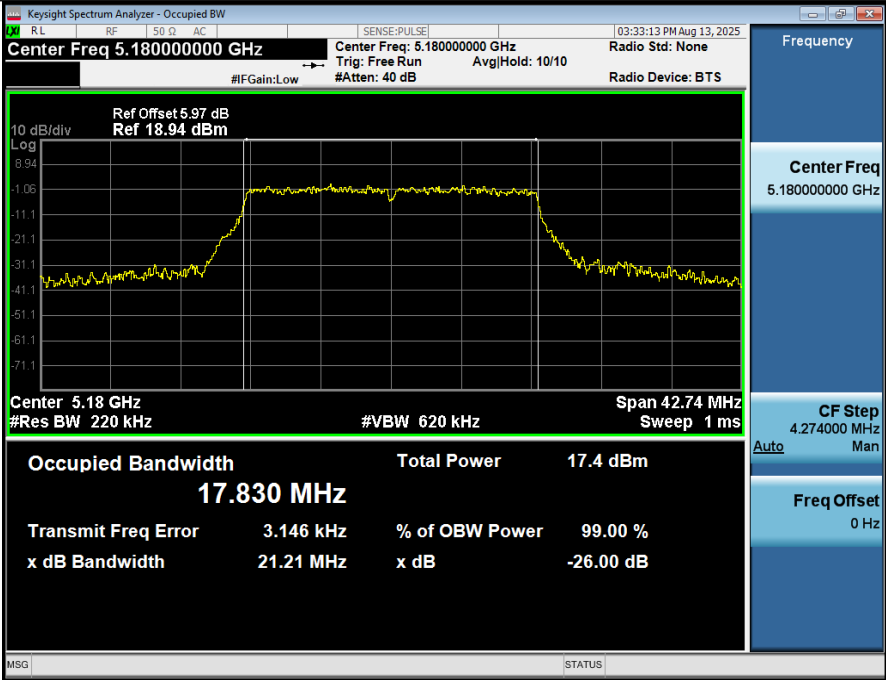
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99%\_OCB\_NVNT\_ANT2\_802\_11ac(VHT20)\_5180



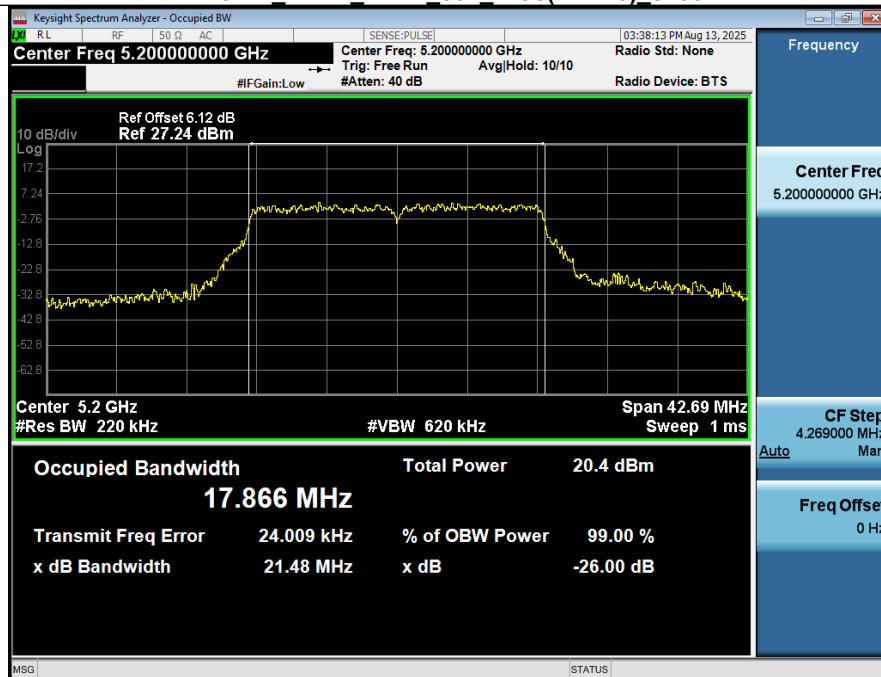
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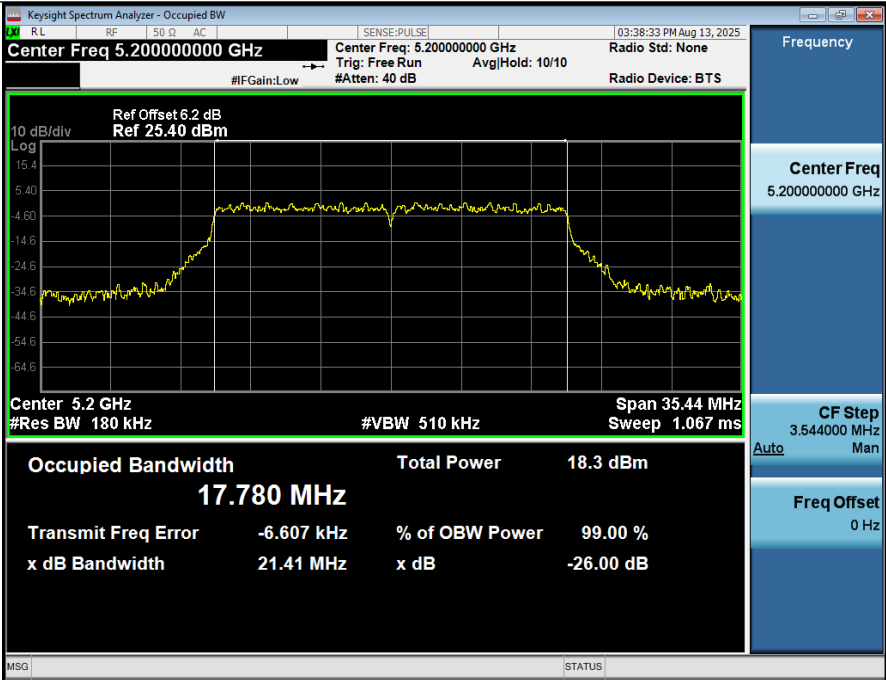
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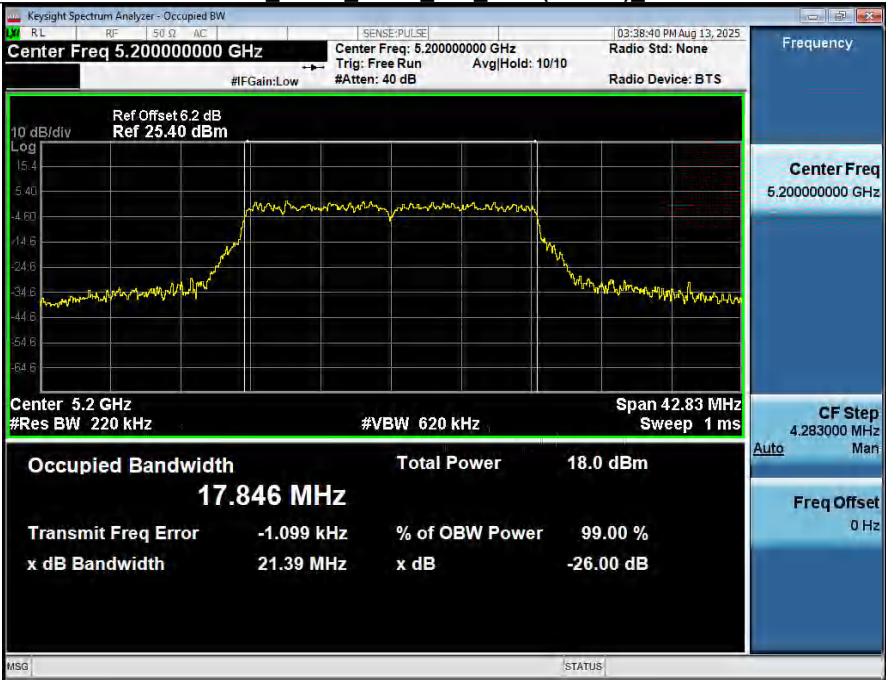
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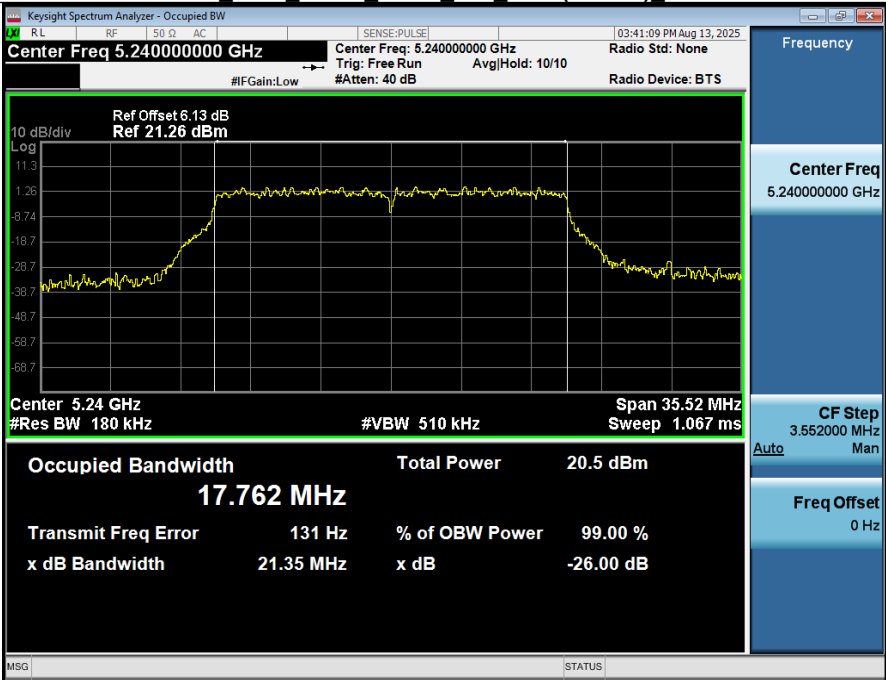
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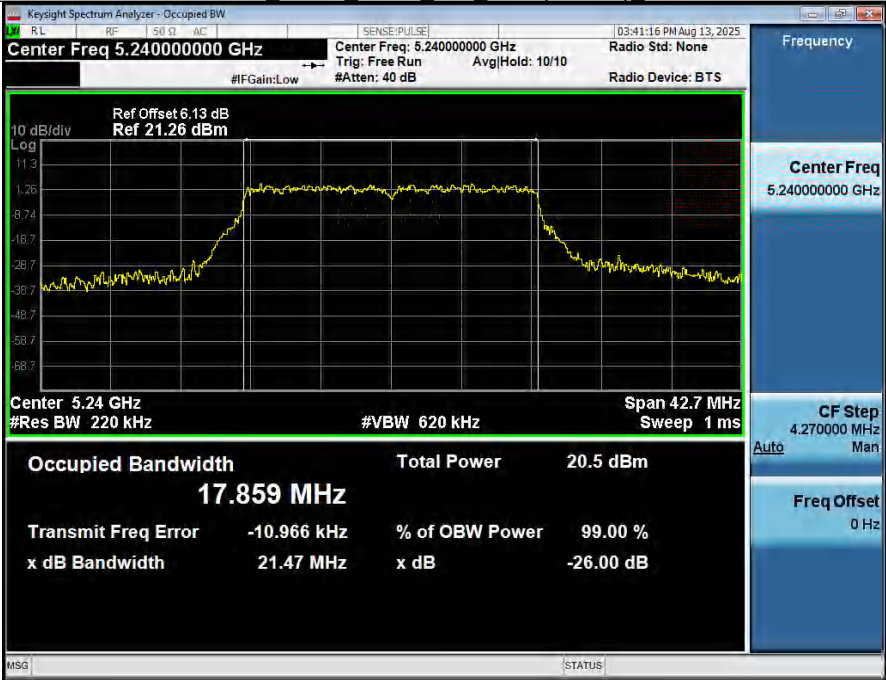
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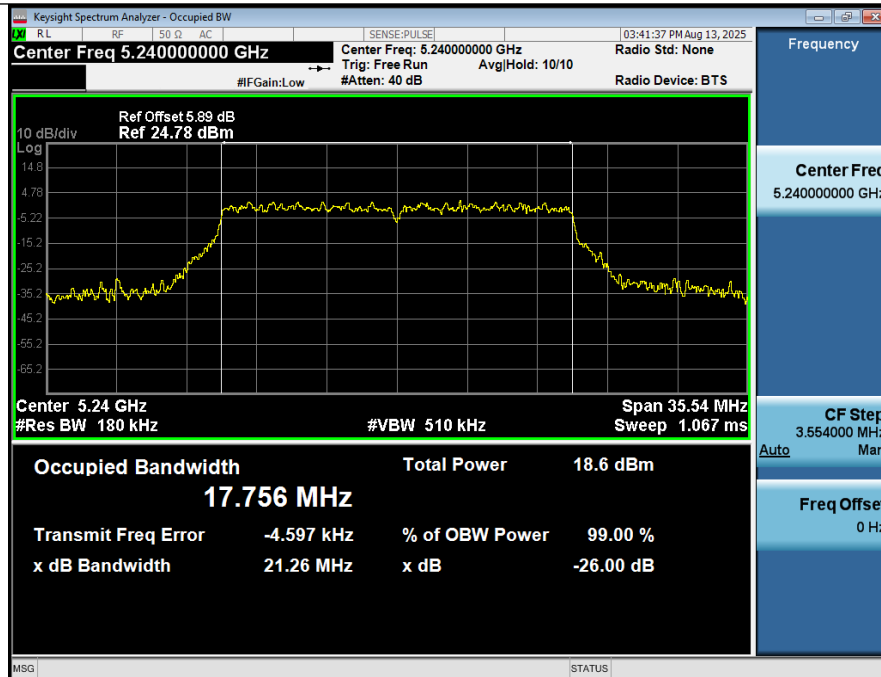
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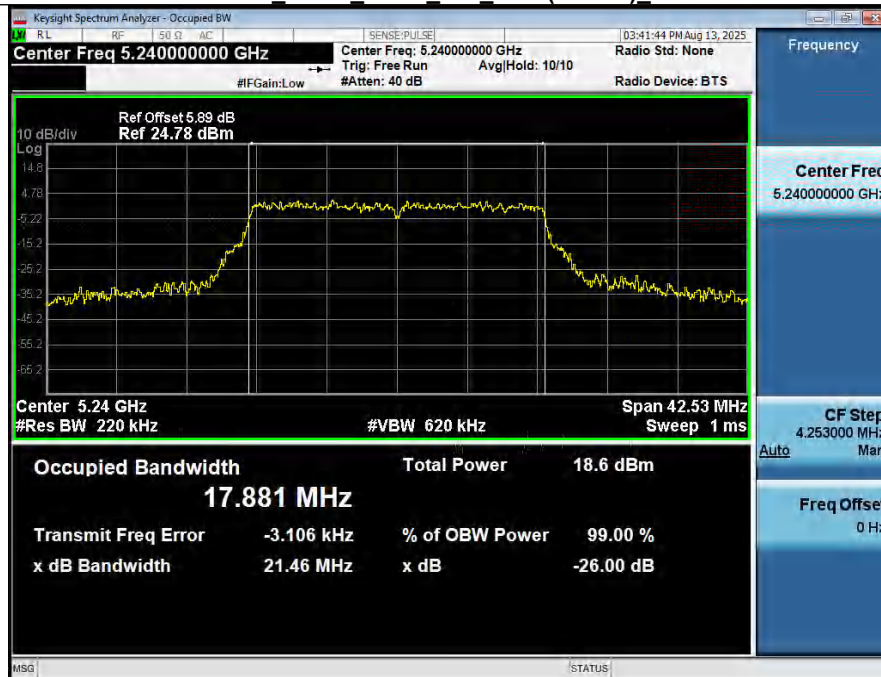
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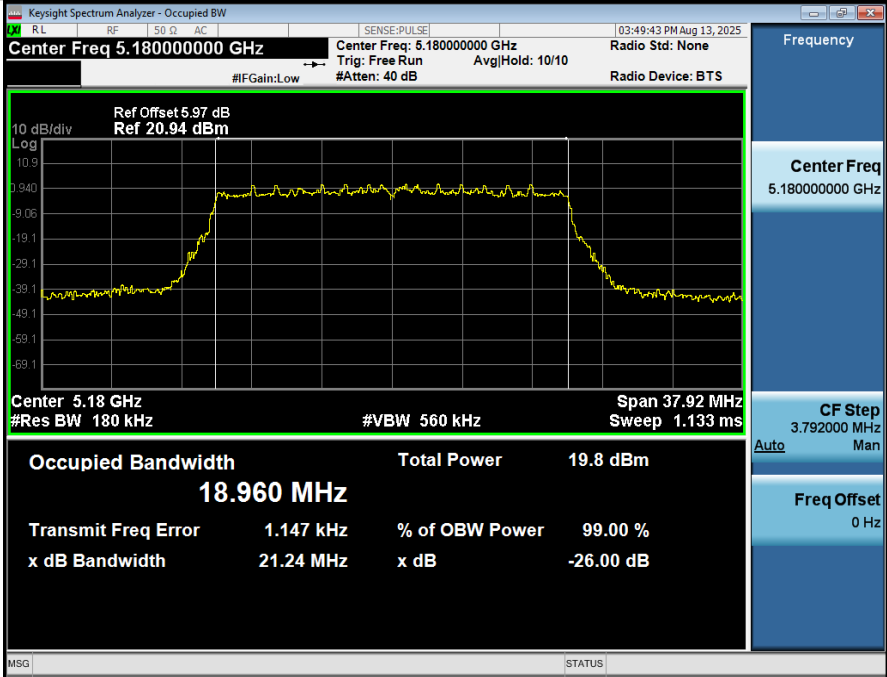
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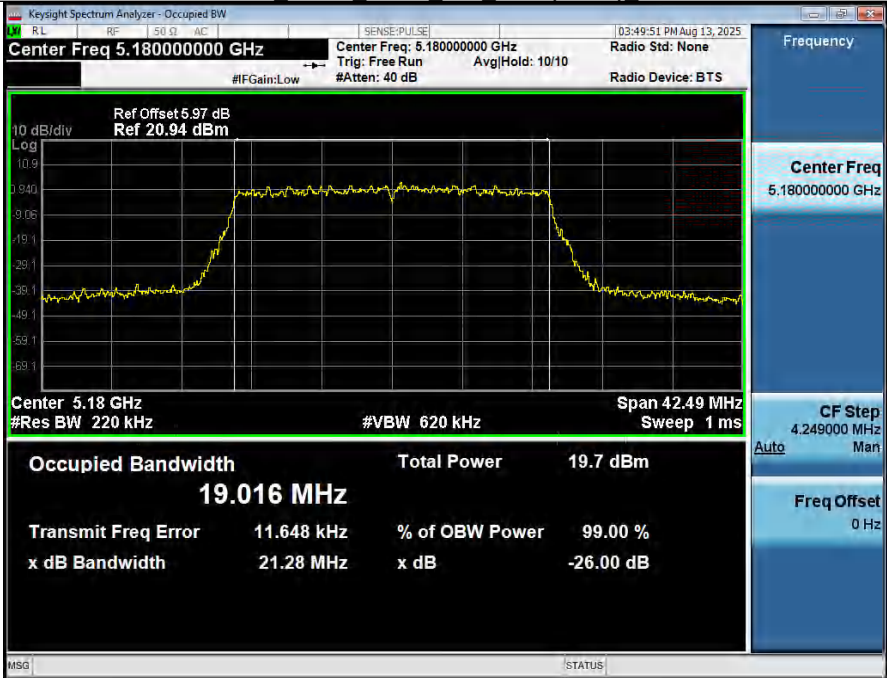
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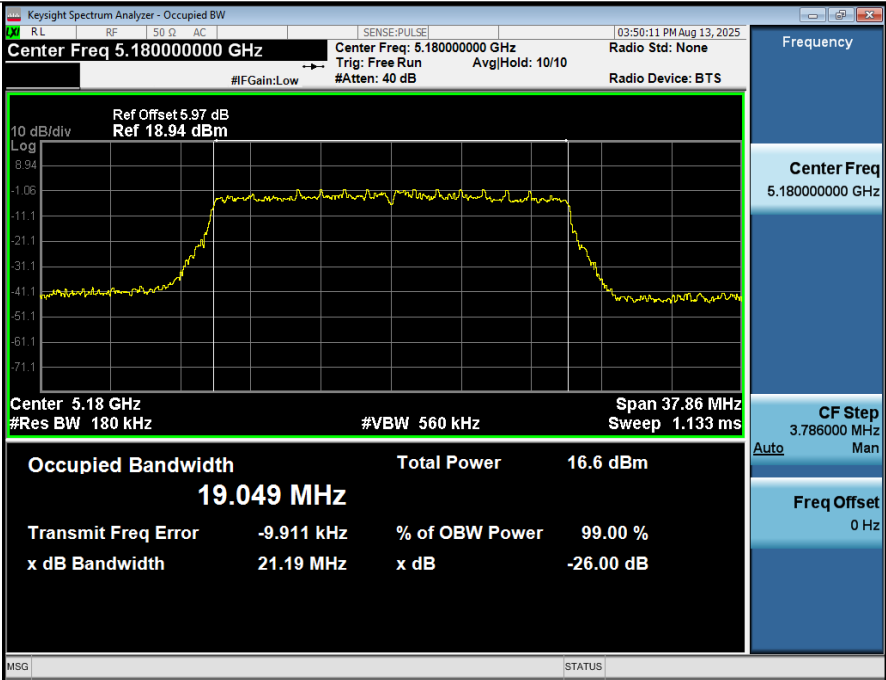
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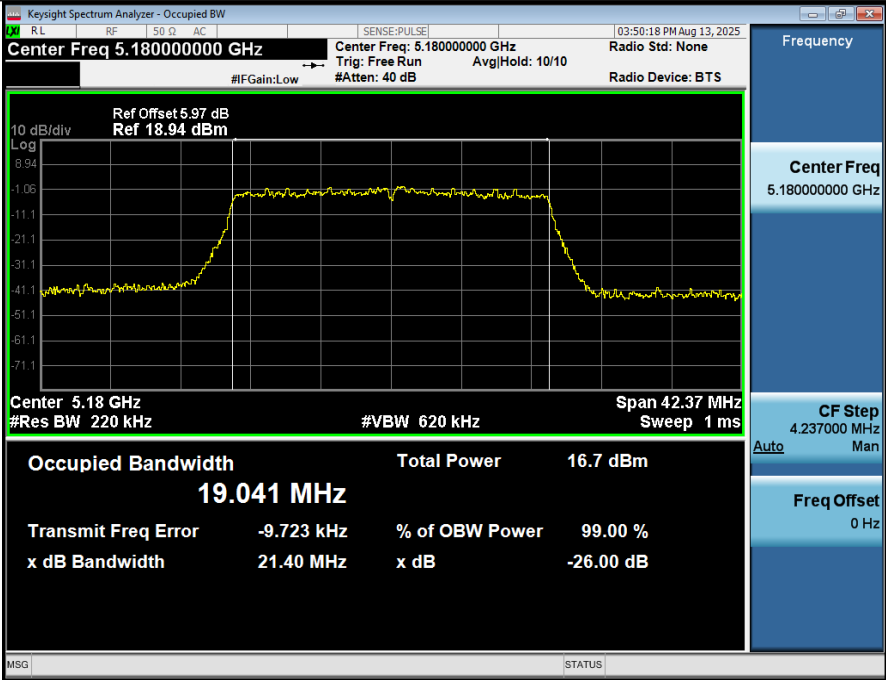
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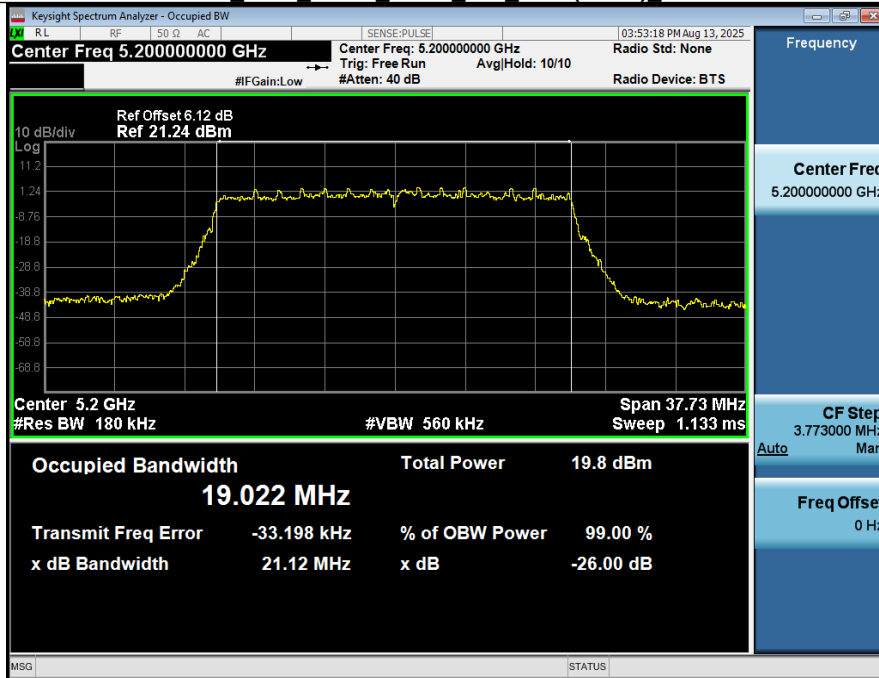
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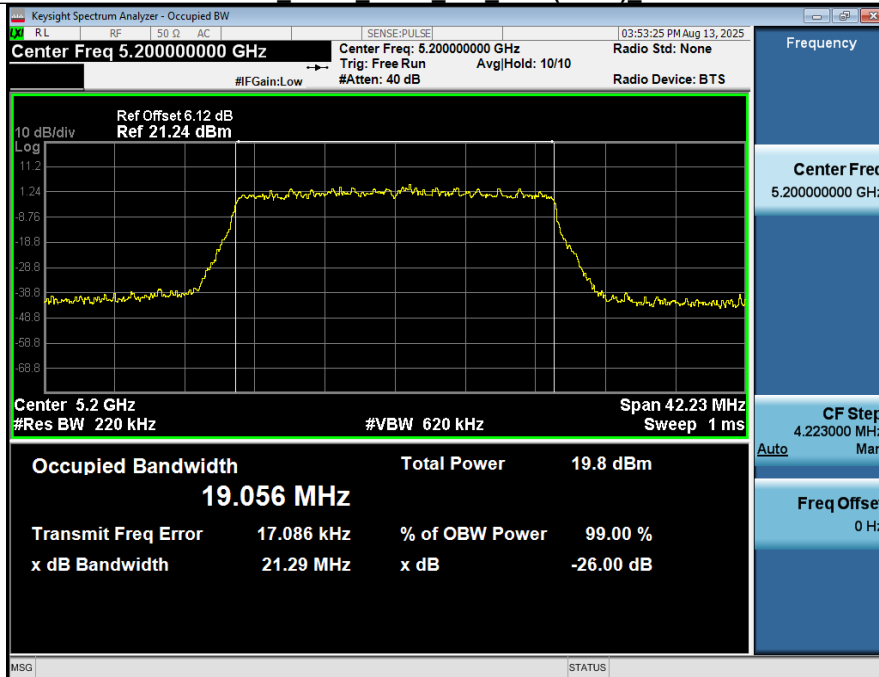
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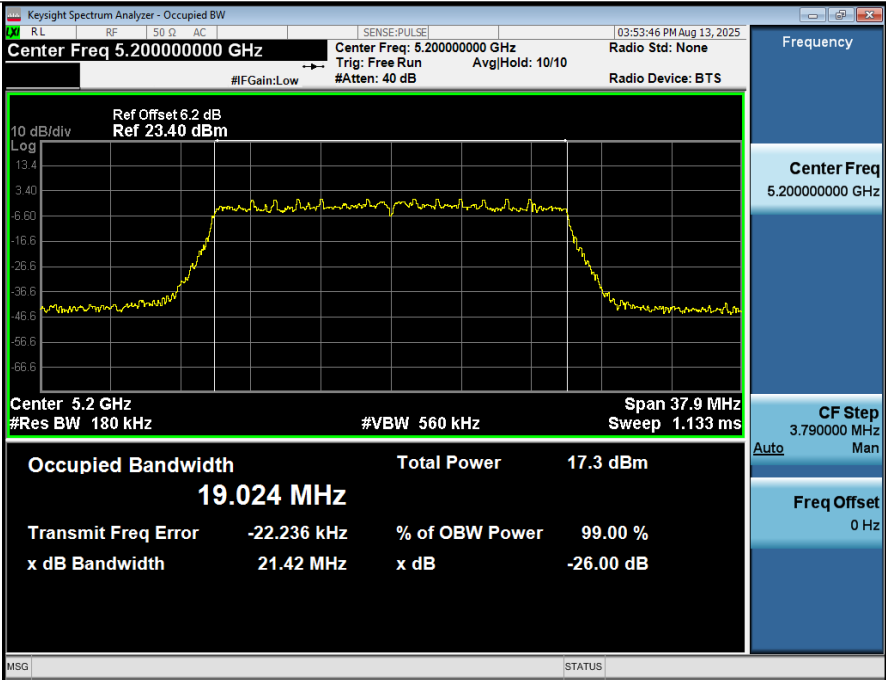
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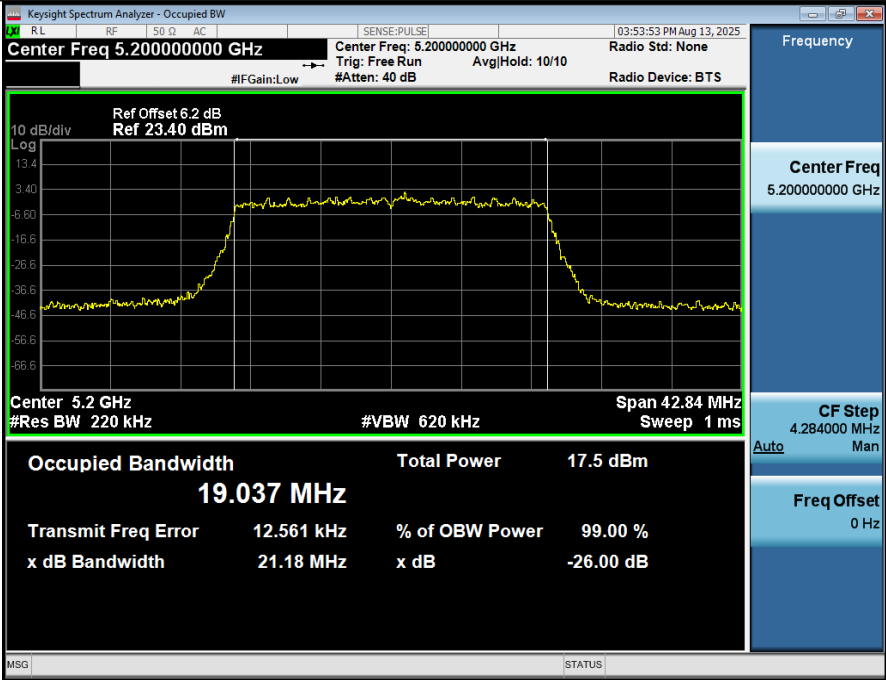
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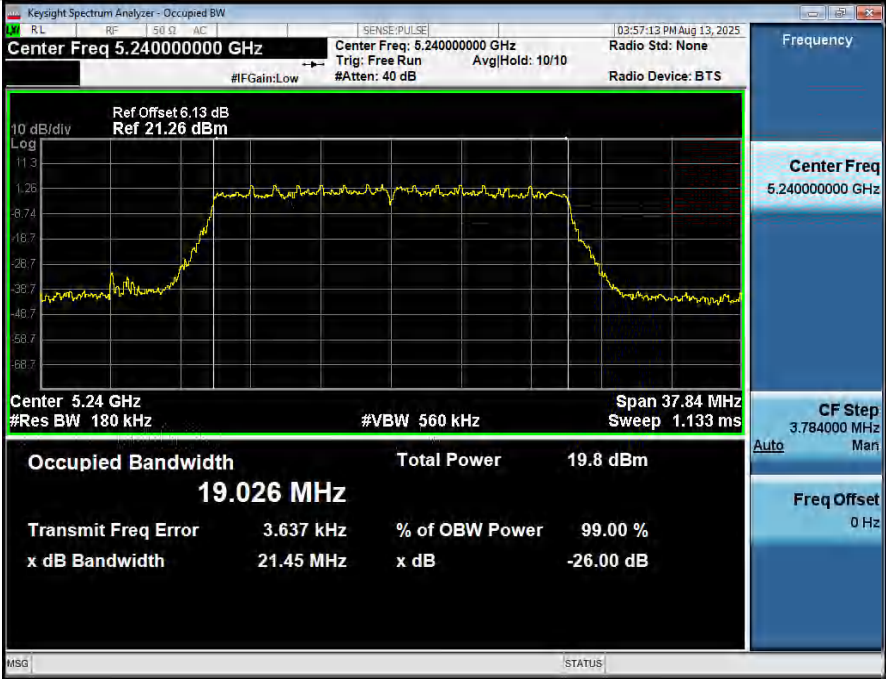
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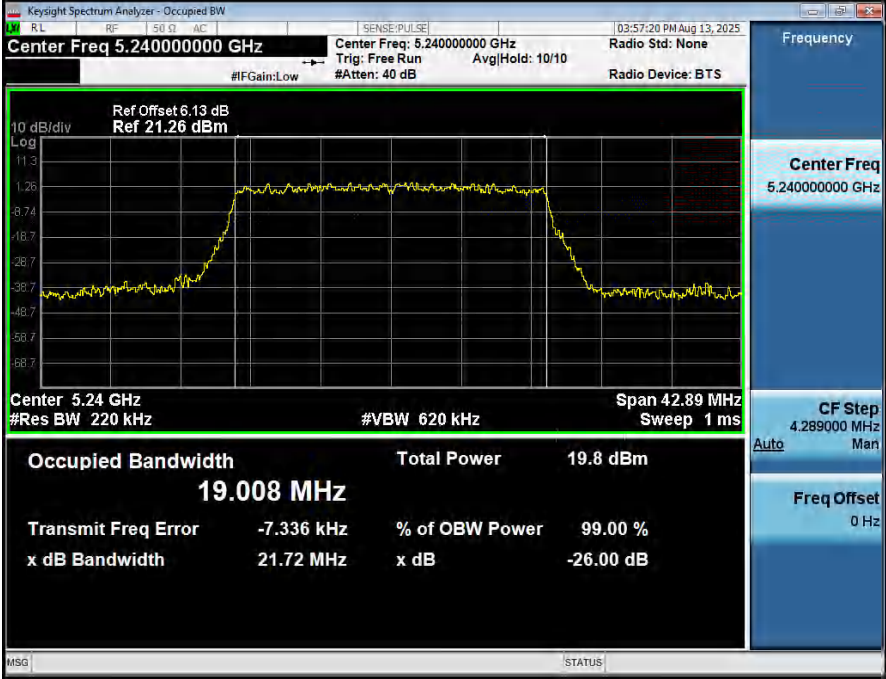
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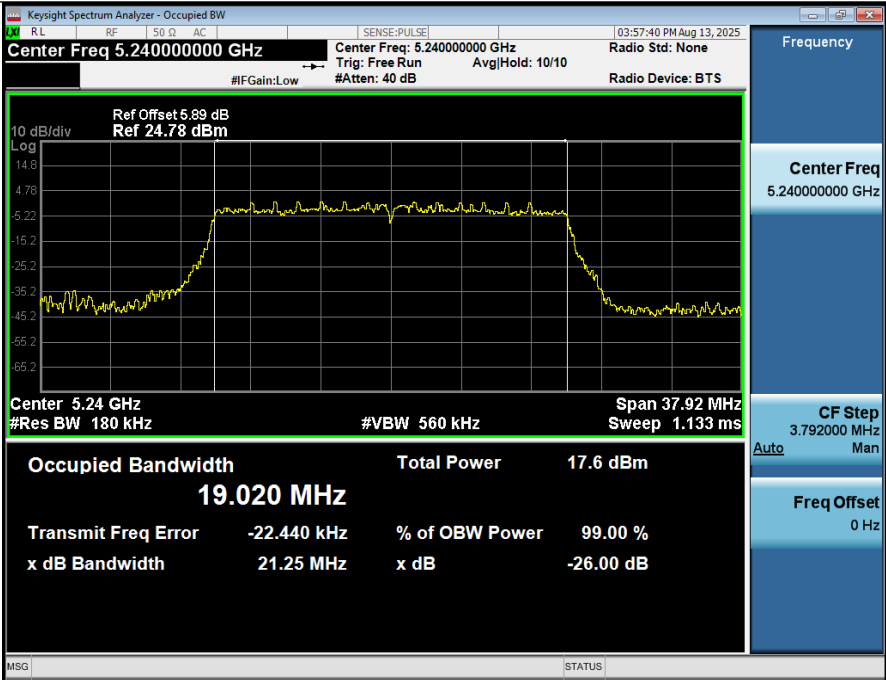
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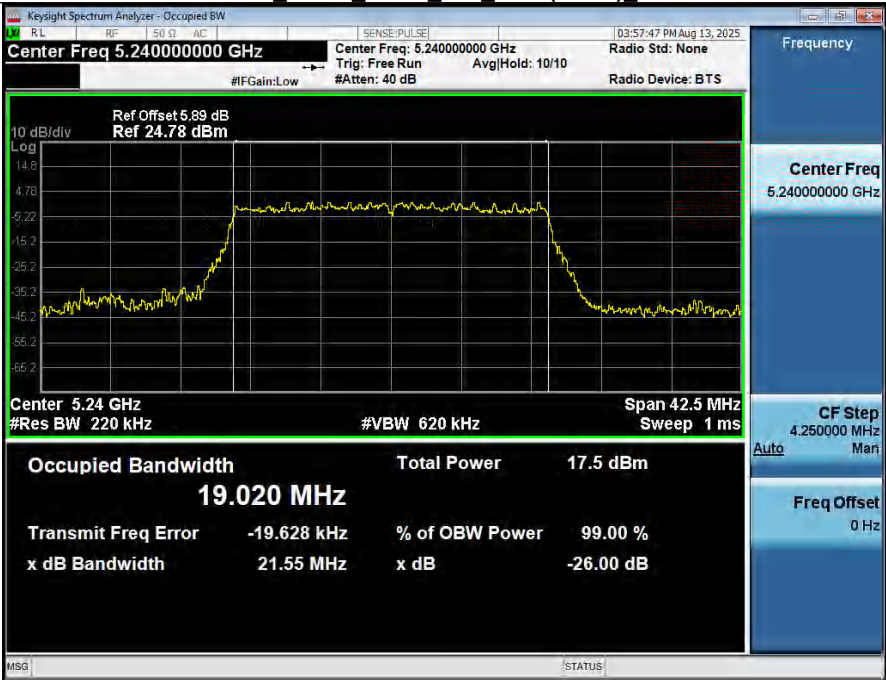
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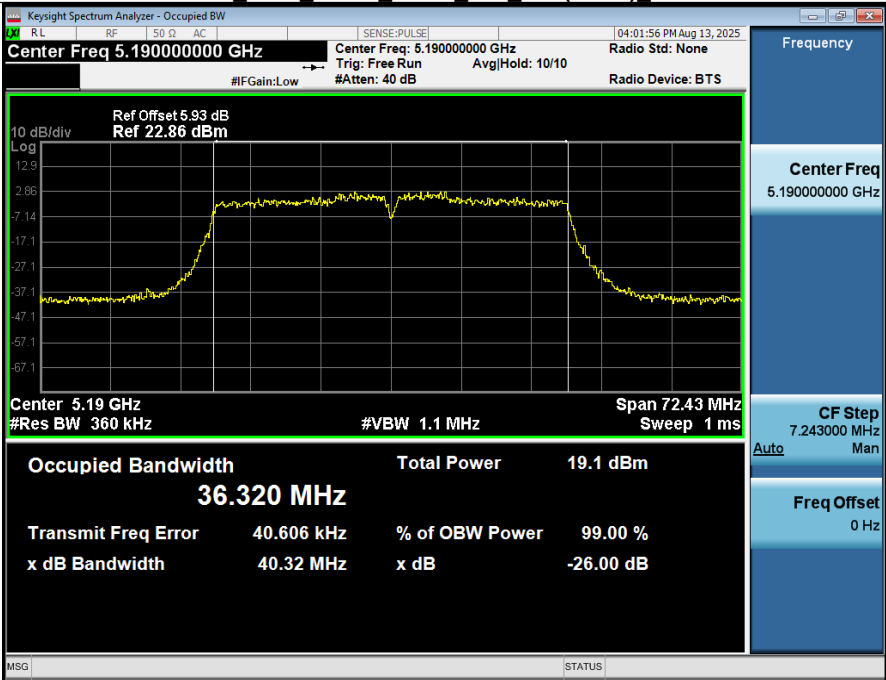
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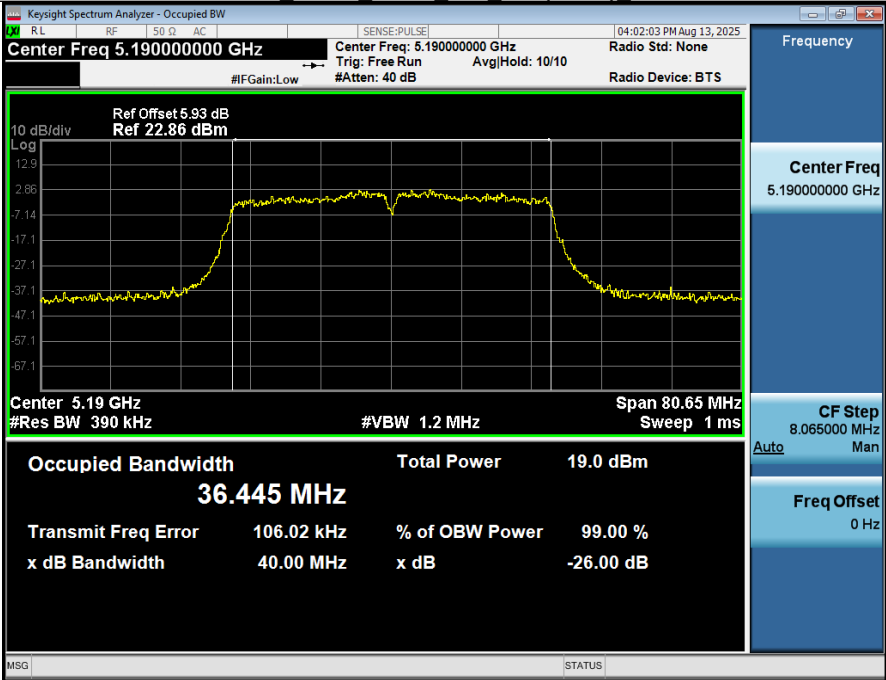
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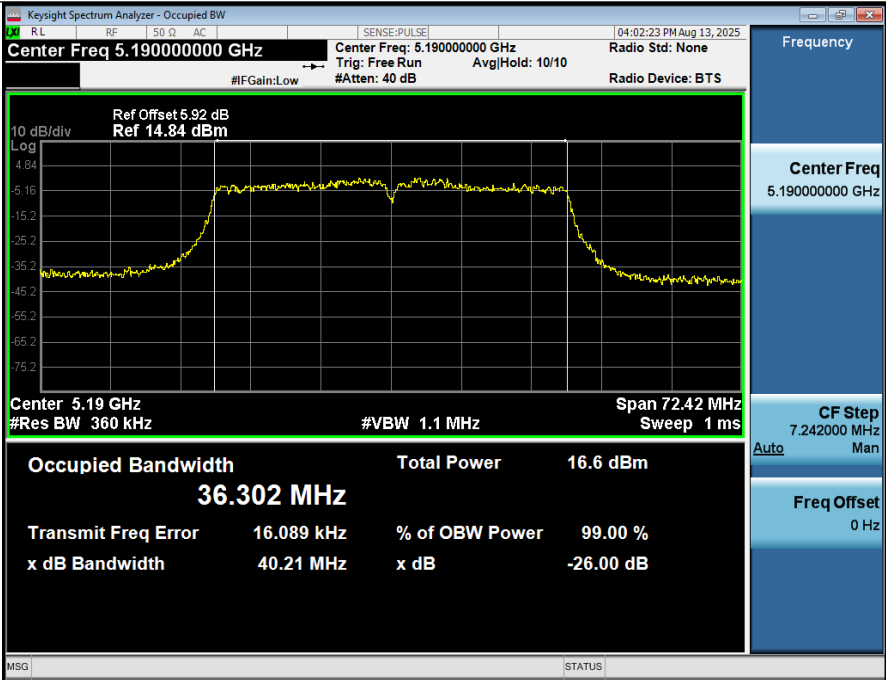
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-26BW NVNT ANT1 802 11n(HT40) 5190



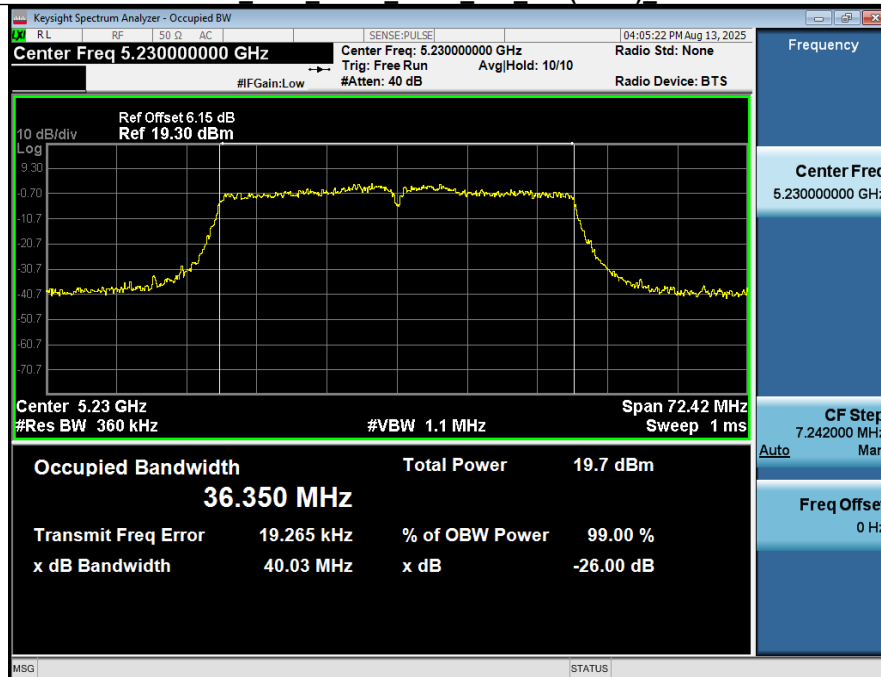
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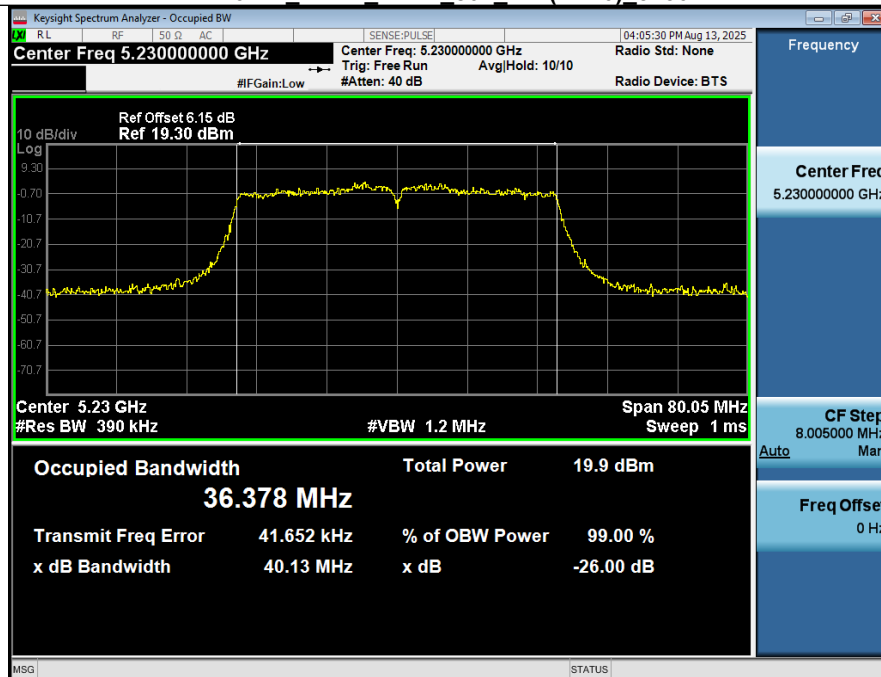
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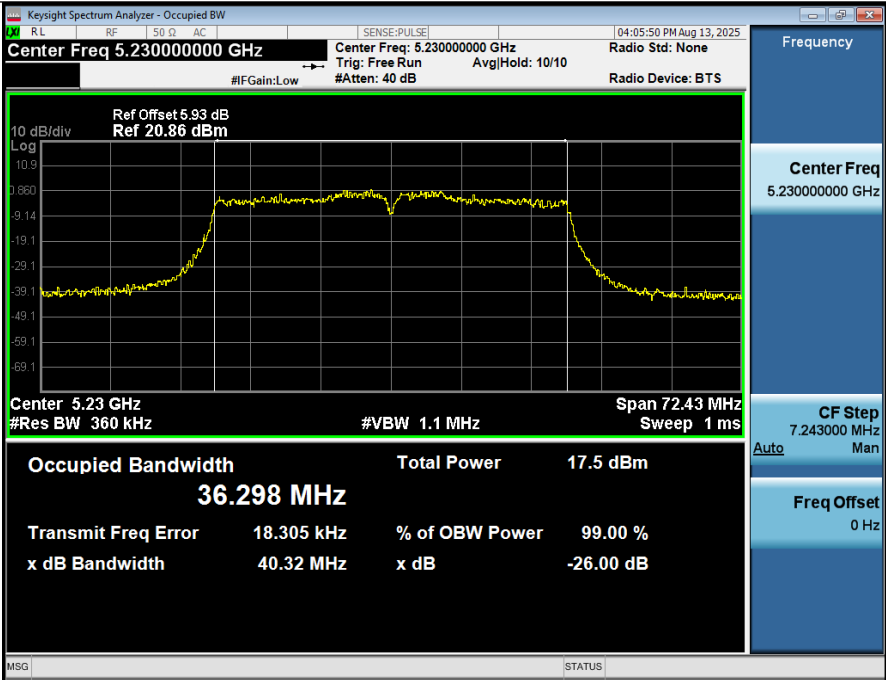
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**-26BW\_NVNT\_ANT1\_802\_11n(HT40)\_5230**



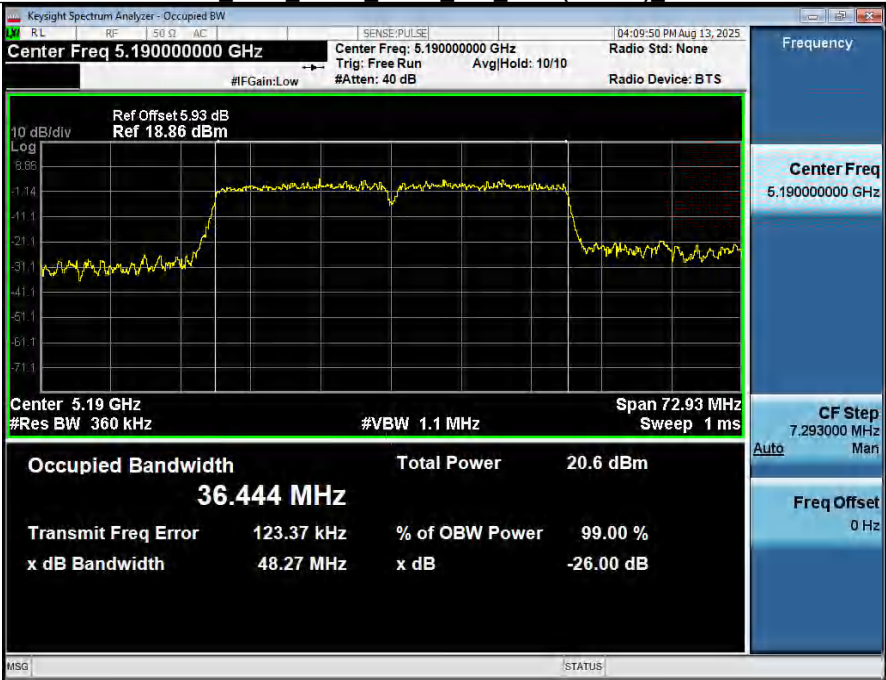
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-26BW NVNT ANT2 802 11n(HT40) 5230



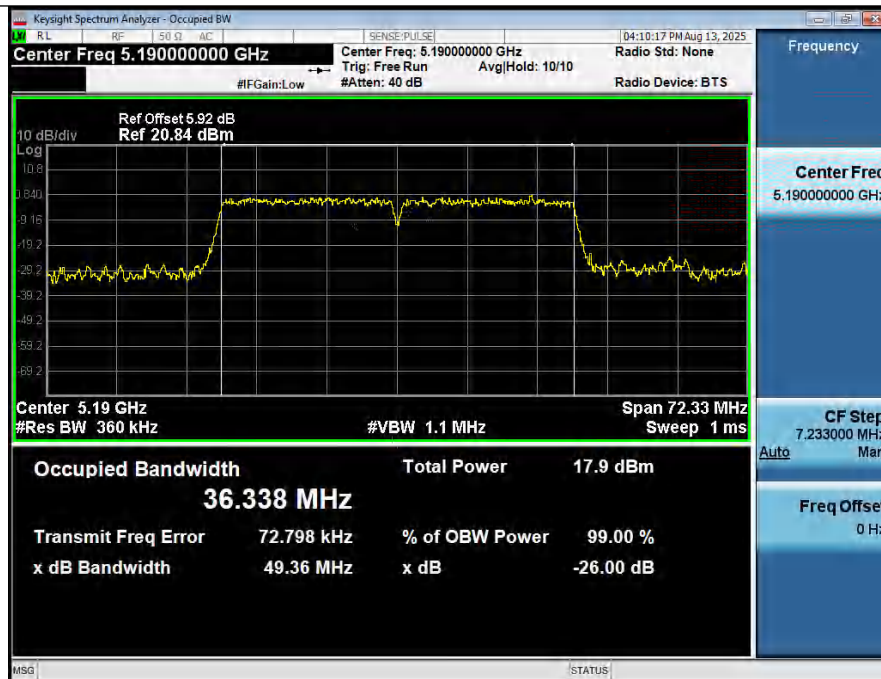
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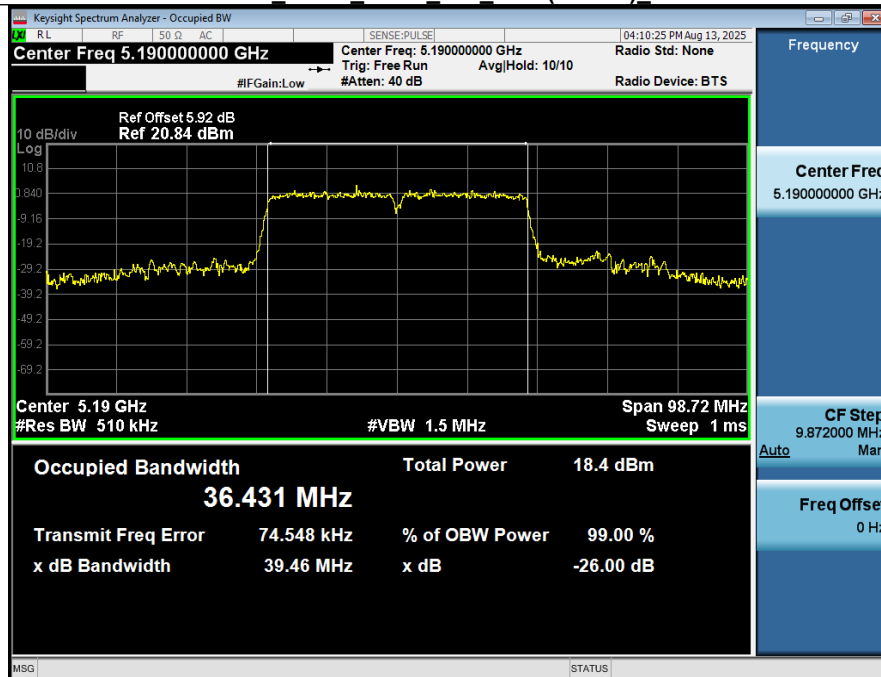
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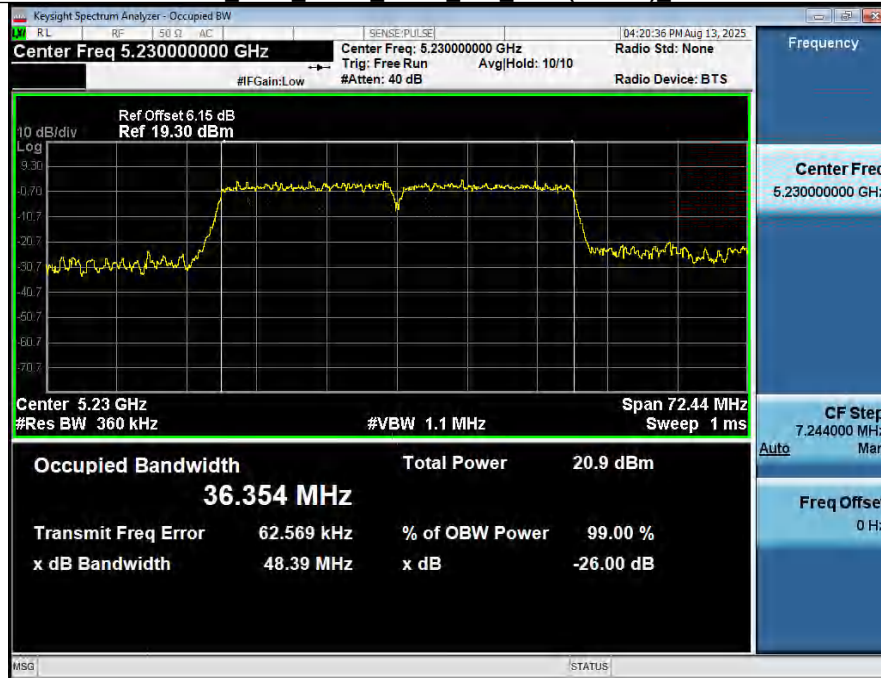
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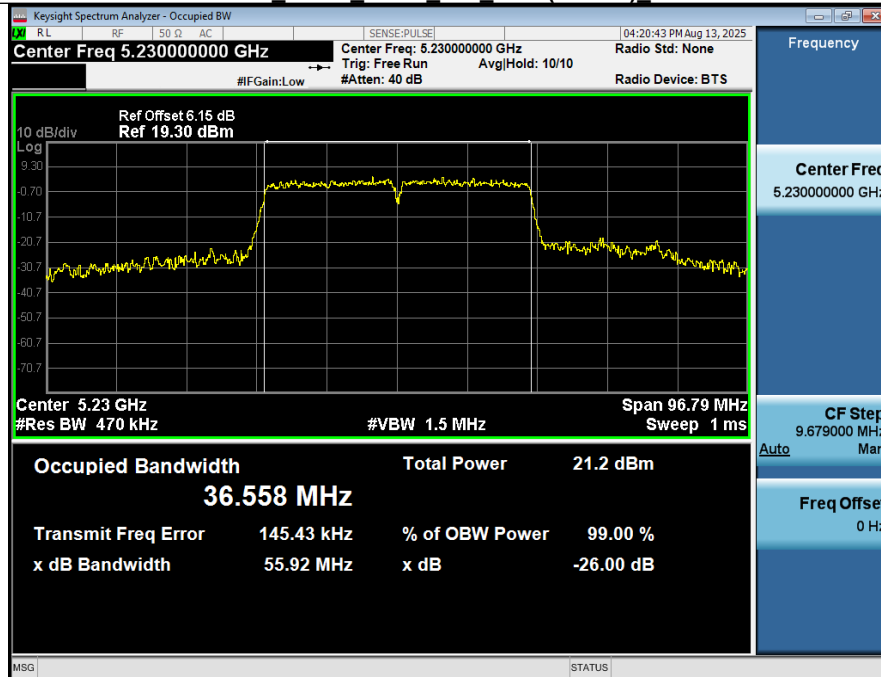
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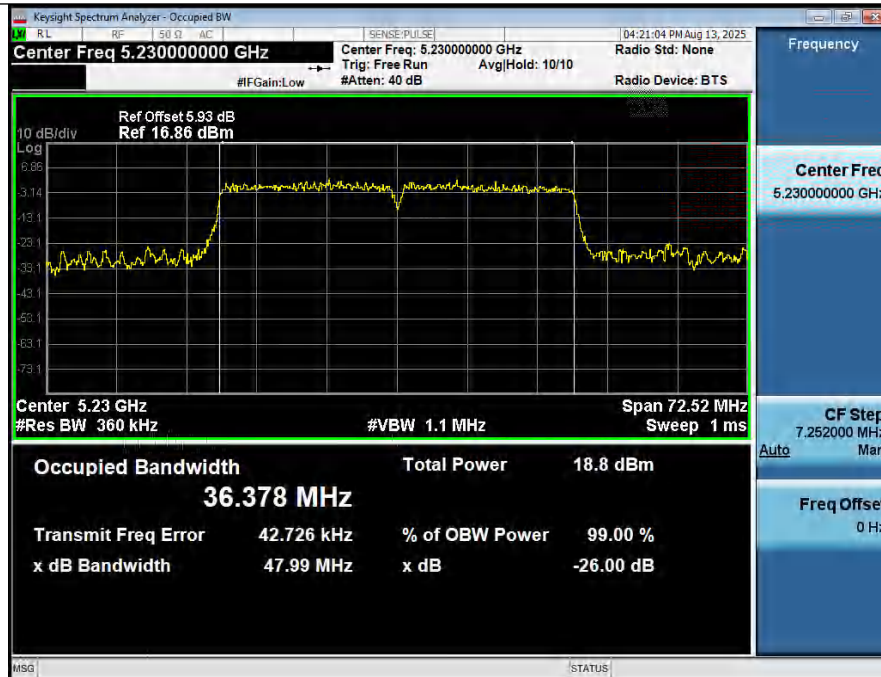
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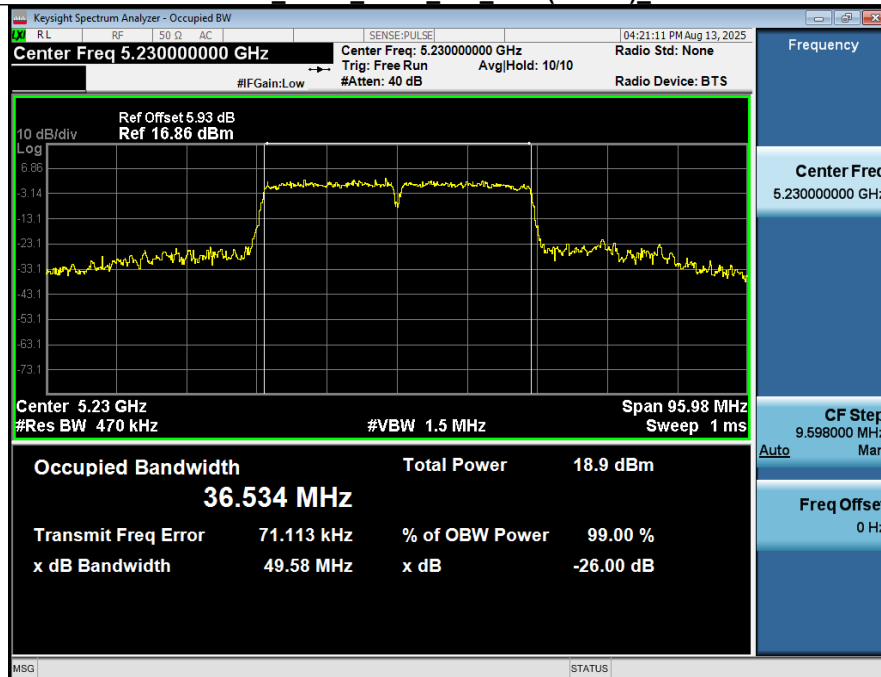
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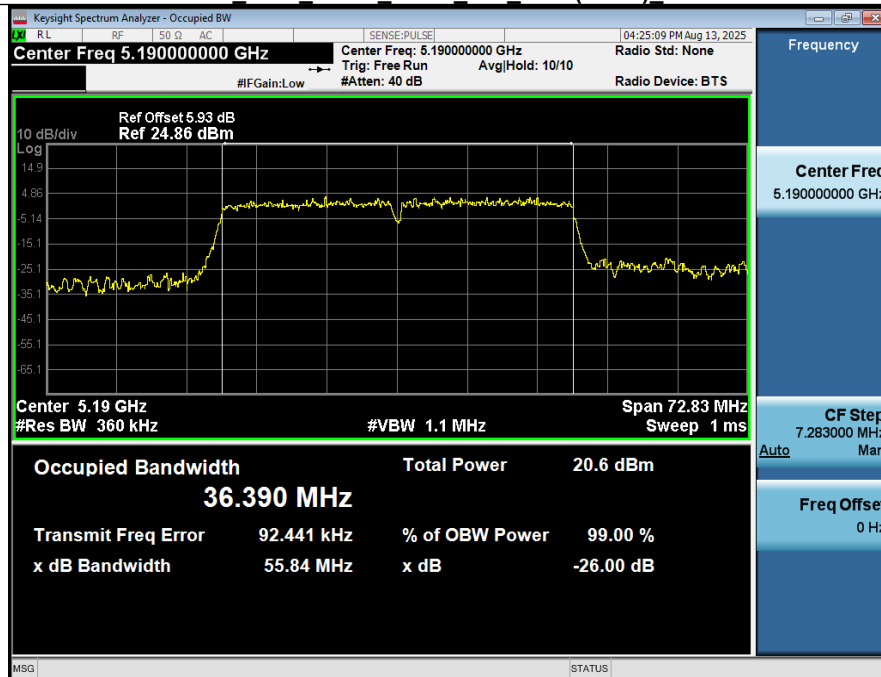
99%\_OCB\_NVNT\_ANT2\_802\_11ac(VHT40)\_5230



-26BW NVNT ANT2 802 11ac(VHT40) 5230



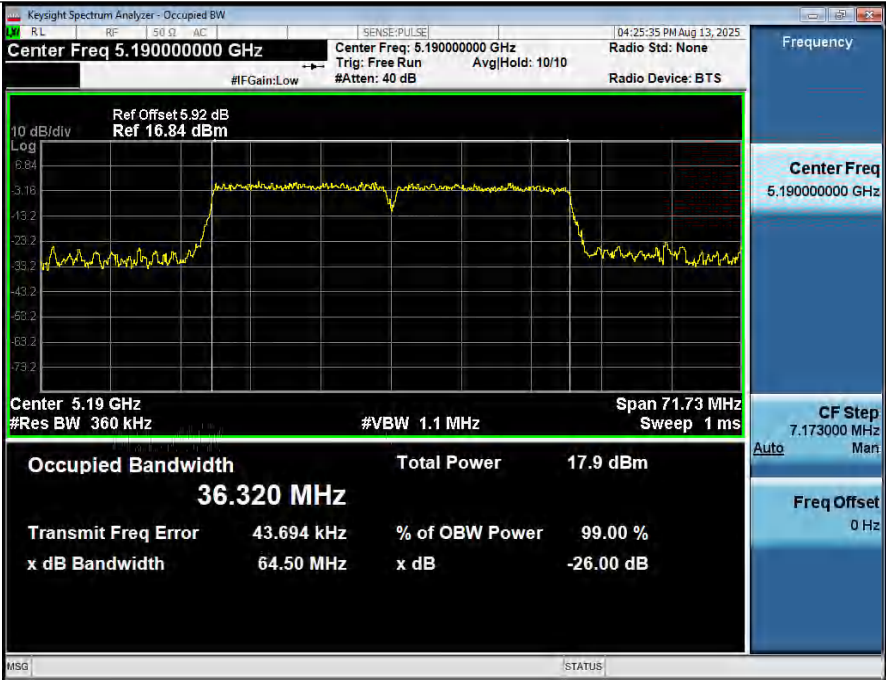
99% OCB NVNT ANT1\_802\_11ax(HE40)\_5190



-26BW NVNT ANT1\_802\_11ax(HE40)\_5190



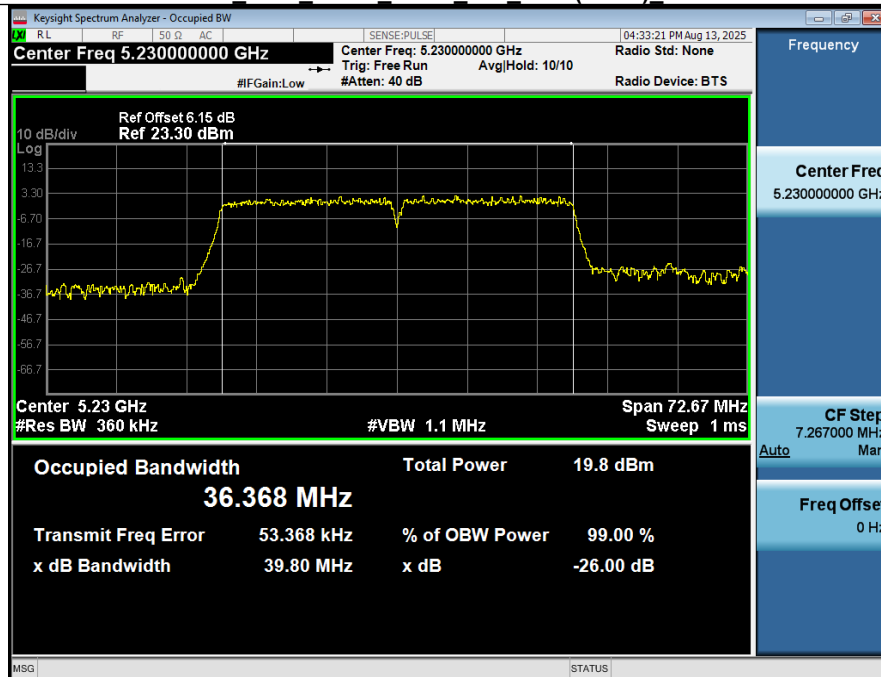
99% OCB NVNT ANT2\_802\_11ax(HE40)\_5190



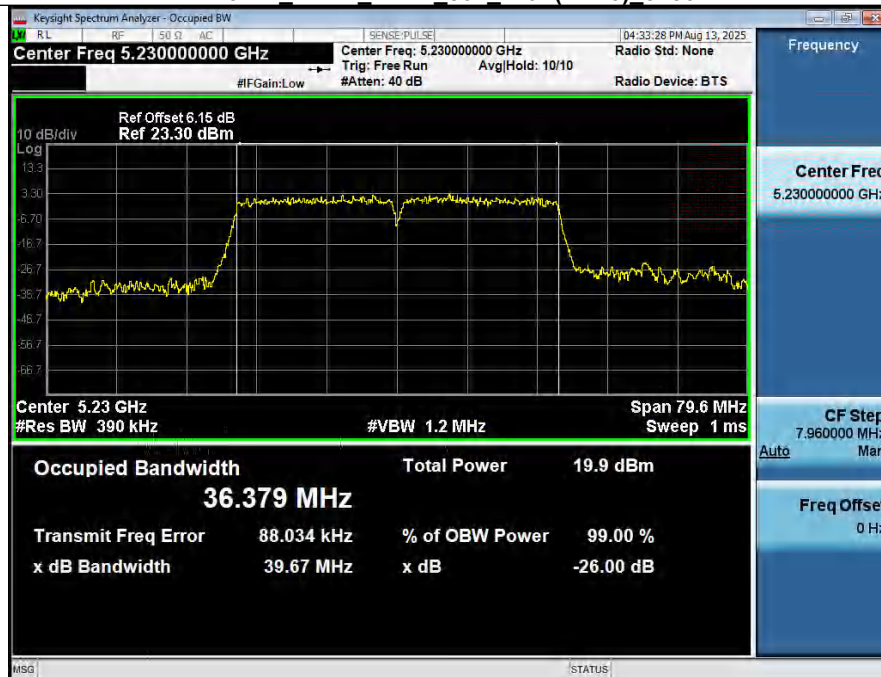
-26BW NVNT ANT2 802 11ax(HE40) 5190



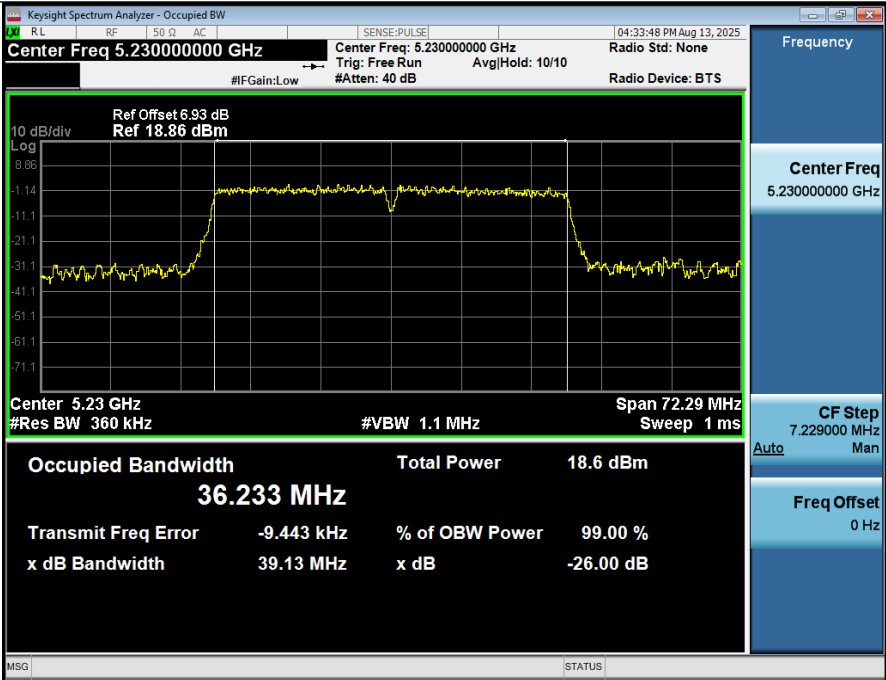
99% OCB NVNT ANT1\_802\_11ax(HE40)\_5230



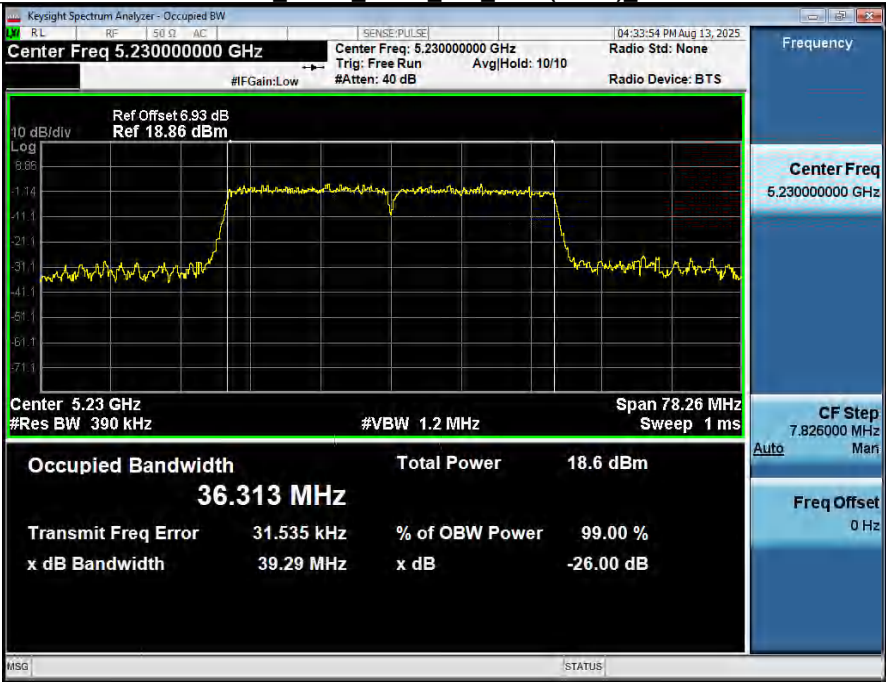
-26BW NVNT ANT1\_802\_11ax(HE40)\_5230



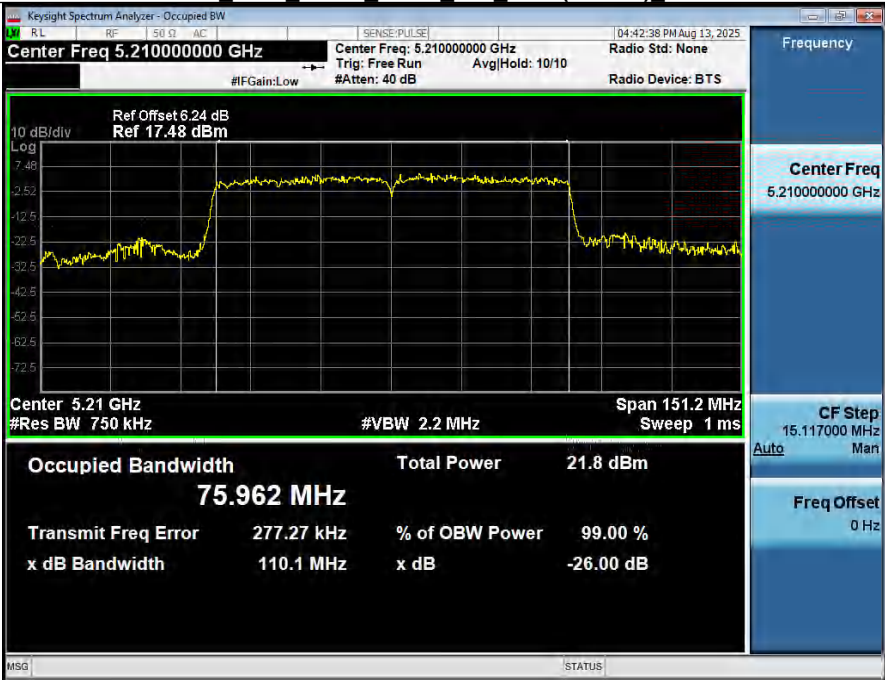
99% OCB NVNT ANT2\_802\_11ax(HE40)\_5230



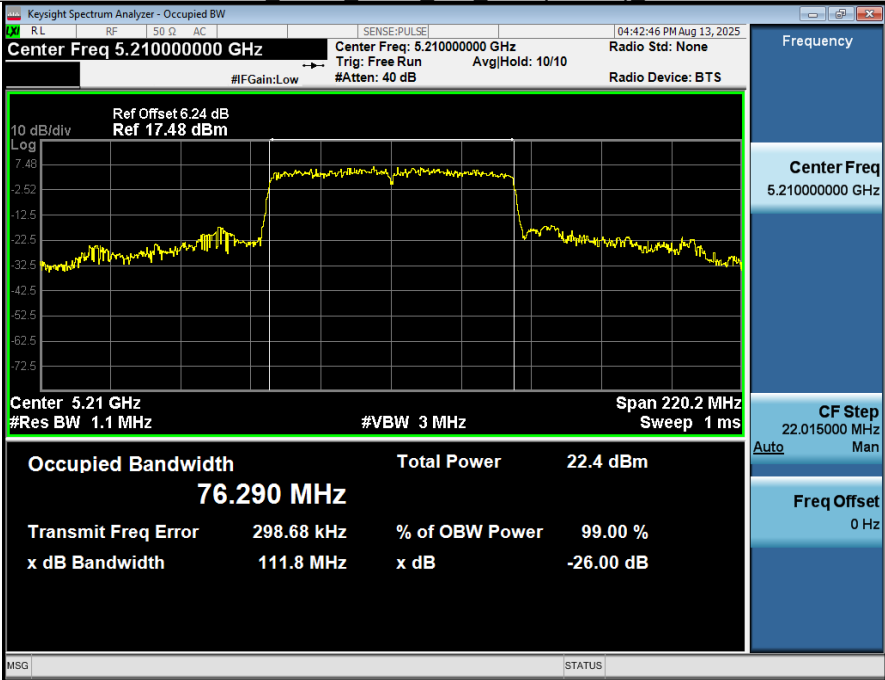
-26BW NVNT ANT2 802 11ax(HE40) 5230



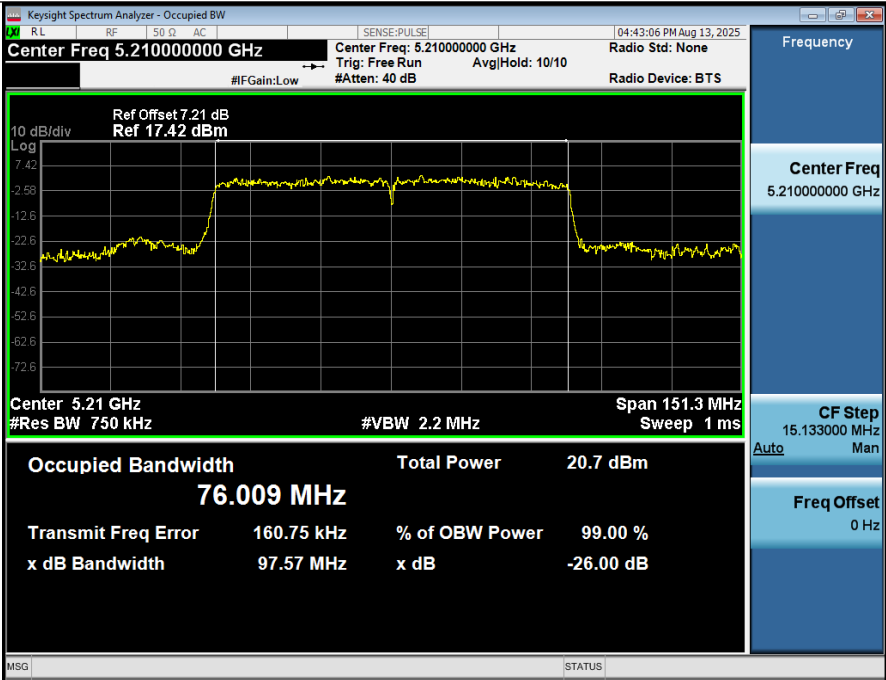
99% OCB NVNT ANT1 802 11ac(VHT80) 5210



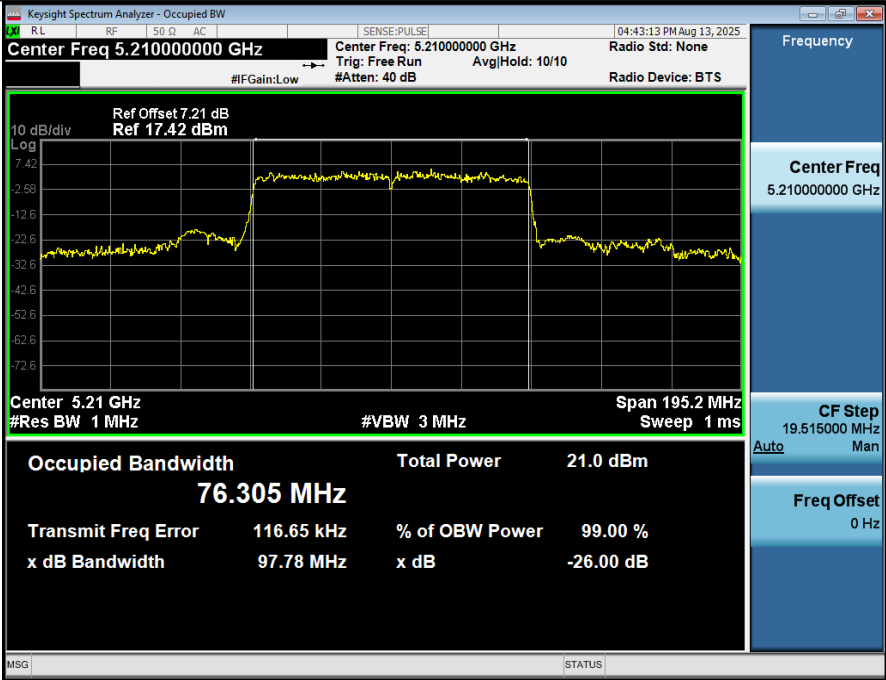
-26BW NVNT ANT1 802 11ac(VHT80) 5210



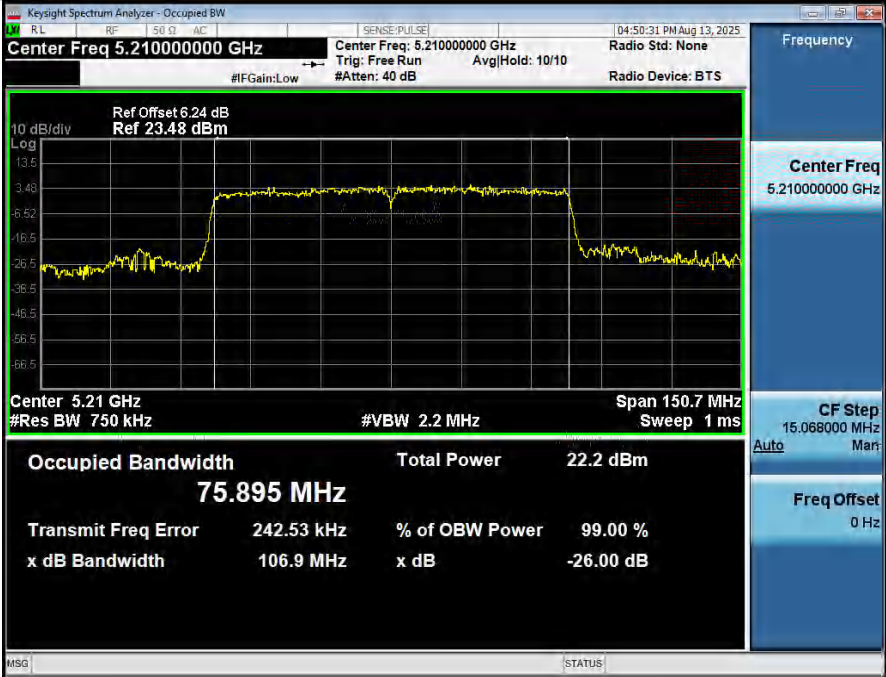
99%\_OCB\_NVNT\_ANT2\_802\_11ac(VHT80)\_5210



-26BW NVNT ANT2 802 11ac(VHT80) 5210



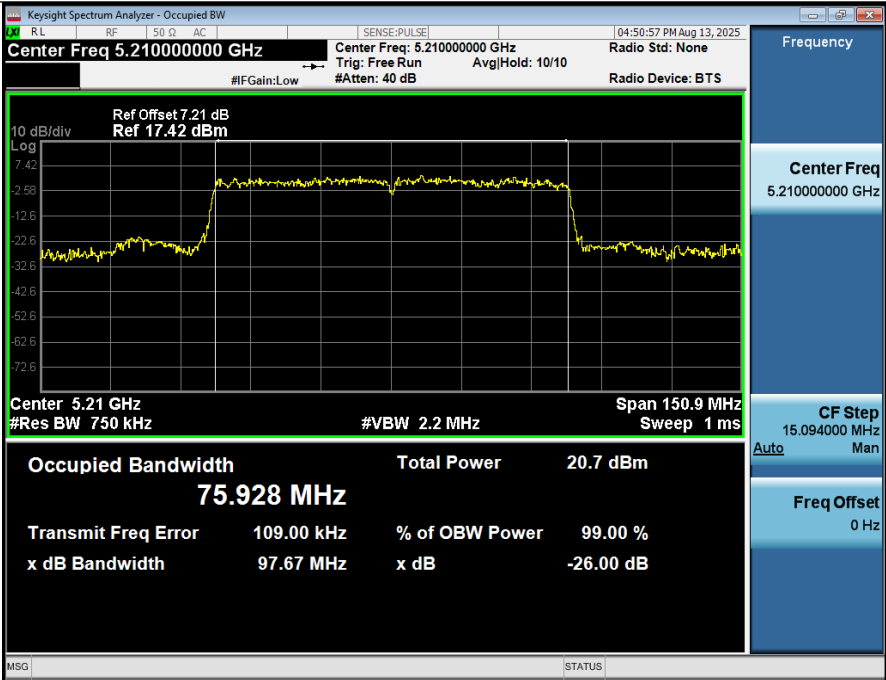
99%\_OCB\_NVNT\_ANT1\_802\_11ax(HE80)\_5210



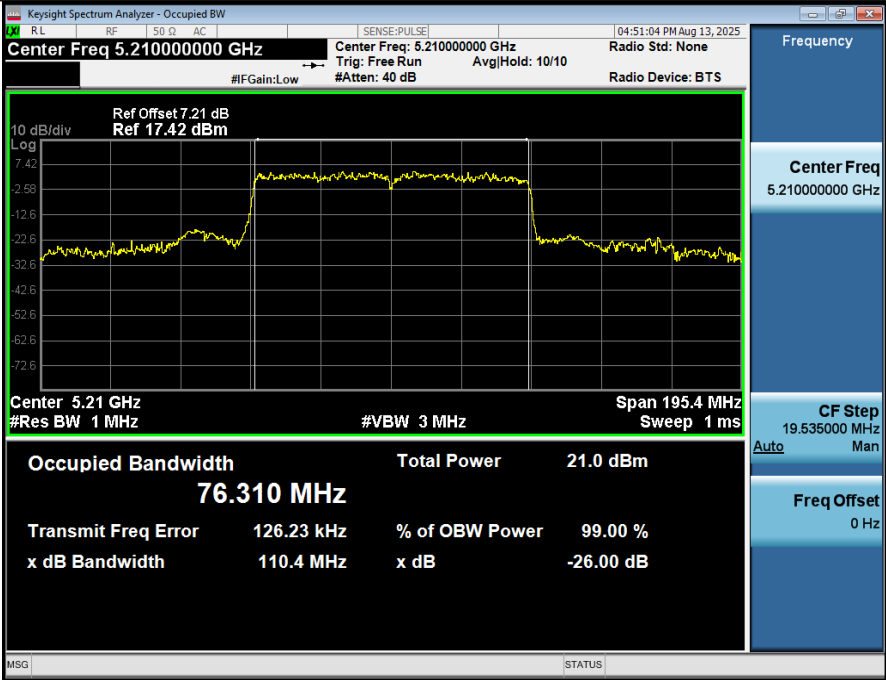
-26BW\_NVNT\_ANT1\_802\_11ax(HE80)\_5210



99%\_OCB\_NVNT\_ANT2\_802\_11ax(HE80)\_5210



**-26BW NVNT ANT2 802 11ax(HE80) 5210**



## Appendix A.2: Test Results of Maximum output power

Test Result, SISO mode

| Condition | Antenna | Modulation      | Frequency (MHz) | Total Power(dBm) | limit(dBm) | Result |
|-----------|---------|-----------------|-----------------|------------------|------------|--------|
| NVNT      | ANT1    | 802.11a         | 5180.00         | 13.63            | 24         | Pass   |
| NVNT      | ANT2    | 802.11a         | 5180.00         | 13.47            | 24         | Pass   |
| NVNT      | ANT1    | 802.11a         | 5200.00         | 13.69            | 24         | Pass   |
| NVNT      | ANT2    | 802.11a         | 5200.00         | 13.67            | 24         | Pass   |
| NVNT      | ANT1    | 802.11a         | 5240.00         | 13.71            | 24         | Pass   |
| NVNT      | ANT2    | 802.11a         | 5240.00         | 13.86            | 24         | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | 5180.00         | 11.16            | 24         | Pass   |
| NVNT      | ANT2    | 802.11n(HT20)   | 5180.00         | 11.46            | 24         | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | 5200.00         | 11.81            | 24         | Pass   |
| NVNT      | ANT2    | 802.11n(HT20)   | 5200.00         | 11.28            | 24         | Pass   |
| NVNT      | ANT1    | 802.11n(HT20)   | 5240.00         | 11.62            | 24         | Pass   |
| NVNT      | ANT2    | 802.11n(HT20)   | 5240.00         | 11.52            | 24         | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5180.00         | 11.46            | 24         | Pass   |
| NVNT      | ANT2    | 802.11ac(VHT20) | 5180.00         | 11.64            | 24         | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5200.00         | 11.77            | 24         | Pass   |
| NVNT      | ANT2    | 802.11ac(VHT20) | 5200.00         | 11.51            | 24         | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT20) | 5240.00         | 11.34            | 24         | Pass   |
| NVNT      | ANT2    | 802.11ac(VHT20) | 5240.00         | 11.55            | 24         | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5180.00         | 11.33            | 24         | Pass   |
| NVNT      | ANT2    | 802.11ax(HE20)  | 5180.00         | 11.31            | 24         | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5200.00         | 11.44            | 24         | Pass   |
| NVNT      | ANT2    | 802.11ax(HE20)  | 5200.00         | 11.91            | 24         | Pass   |
| NVNT      | ANT1    | 802.11ax(HE20)  | 5240.00         | 11.16            | 24         | Pass   |
| NVNT      | ANT2    | 802.11ax(HE20)  | 5240.00         | 11.58            | 24         | Pass   |
| NVNT      | ANT1    | 802.11n(HT40)   | 5190.00         | 11.45            | 24         | Pass   |
| NVNT      | ANT2    | 802.11n(HT40)   | 5190.00         | 11.62            | 24         | Pass   |
| NVNT      | ANT1    | 802.11n(HT40)   | 5230.00         | 11.58            | 24         | Pass   |
| NVNT      | ANT2    | 802.11n(HT40)   | 5230.00         | 11.09            | 24         | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT40) | 5190.00         | 11.24            | 24         | Pass   |
| NVNT      | ANT2    | 802.11ac(VHT40) | 5190.00         | 11.80            | 24         | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT40) | 5230.00         | 11.26            | 24         | Pass   |
| NVNT      | ANT2    | 802.11ac(VHT40) | 5230.00         | 11.43            | 24         | Pass   |
| NVNT      | ANT1    | 802.11ax(HE40)  | 5190.00         | 11.13            | 24         | Pass   |
| NVNT      | ANT2    | 802.11ax(HE40)  | 5190.00         | 11.84            | 24         | Pass   |
| NVNT      | ANT1    | 802.11ax(HE40)  | 5230.00         | 11.37            | 24         | Pass   |
| NVNT      | ANT2    | 802.11ax(HE40)  | 5230.00         | 11.06            | 24         | Pass   |
| NVNT      | ANT1    | 802.11ac(VHT80) | 5210.00         | 11.93            | 24         | Pass   |
| NVNT      | ANT2    | 802.11ac(VHT80) | 5210.00         | 11.72            | 24         | Pass   |
| NVNT      | ANT1    | 802.11ax(HE80)  | 5210.00         | 11.59            | 24         | Pass   |
| NVNT      | ANT2    | 802.11ax(HE80)  | 5210.00         | 11.72            | 24         | Pass   |