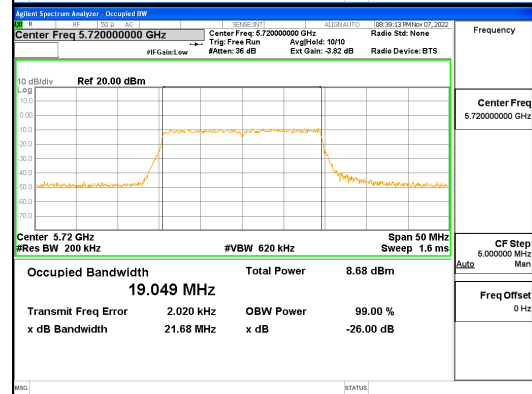
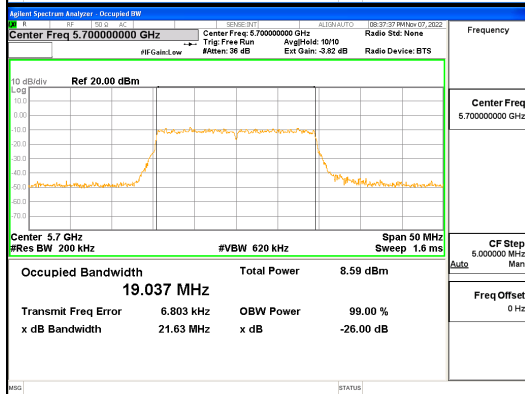
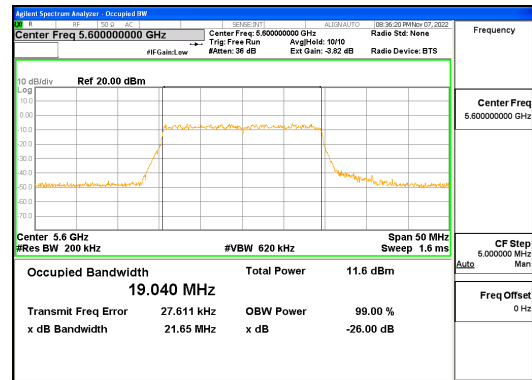
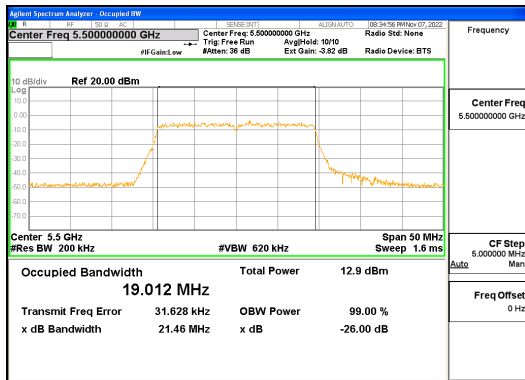


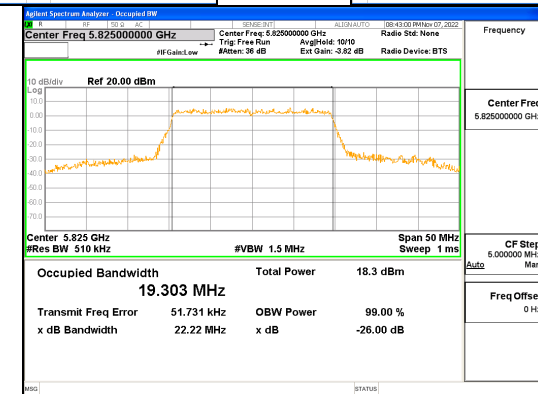
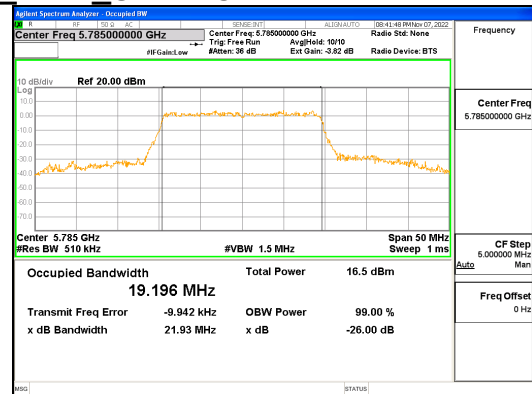
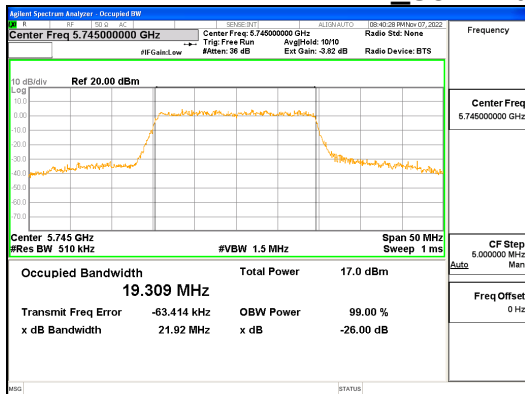


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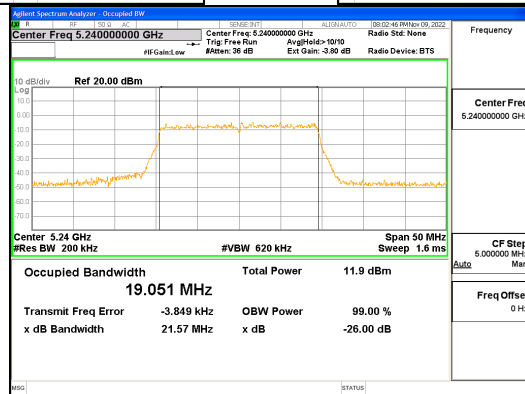
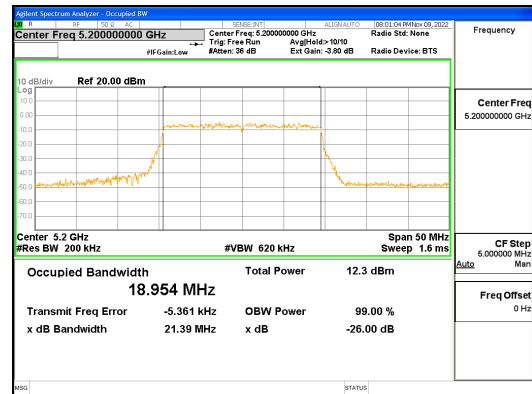
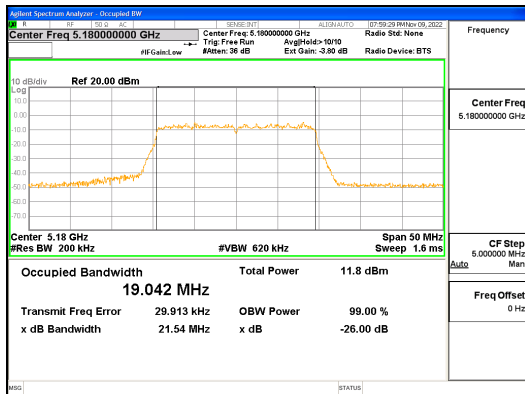


ANT1_802.11ax_HE20_242T_UNII 3

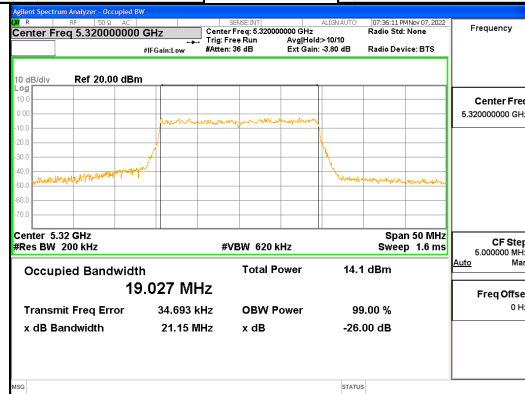
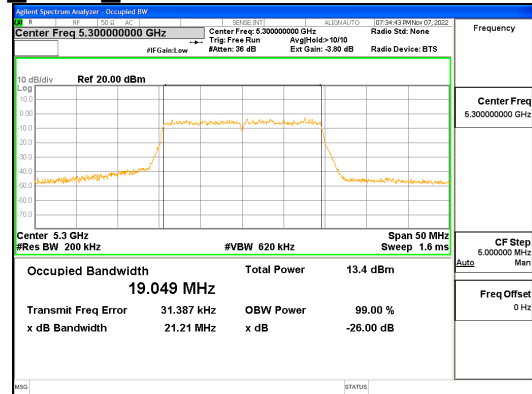
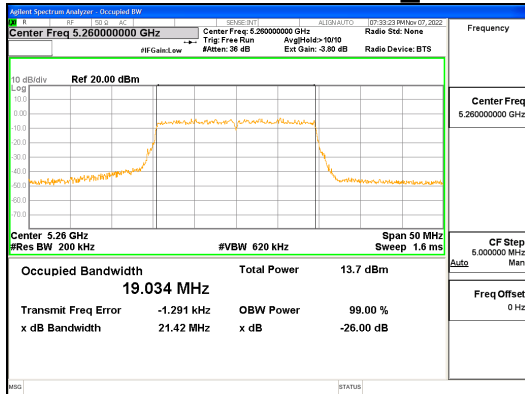


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ANT2_802.11ax_HE20_242T_UNII 1

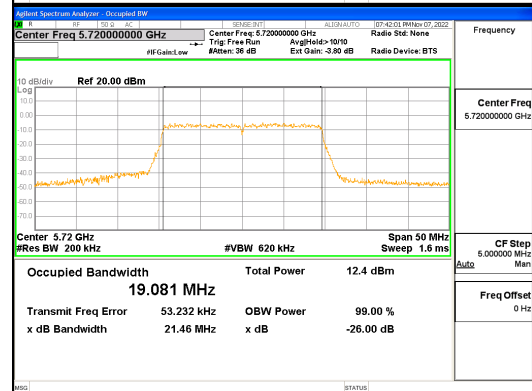
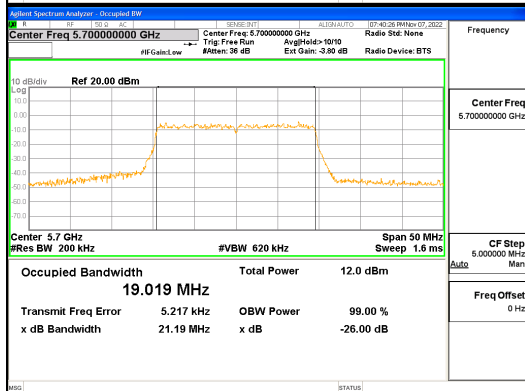
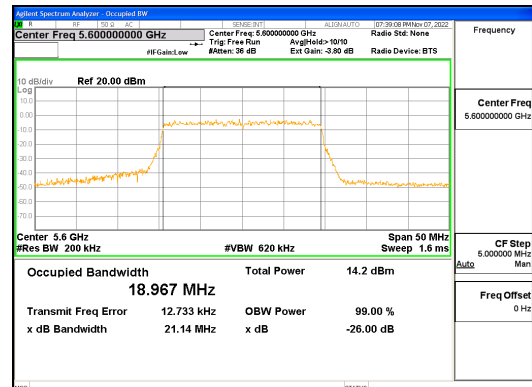
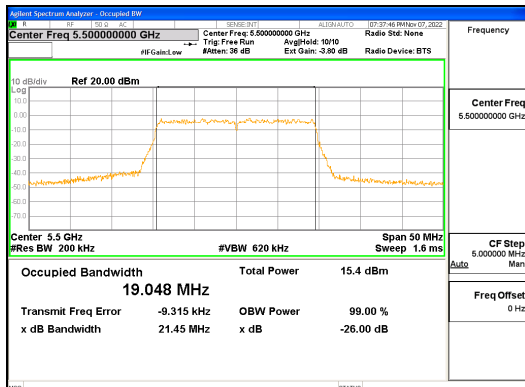


ANT2_802.11ax_HE20_242T_UNII 2A

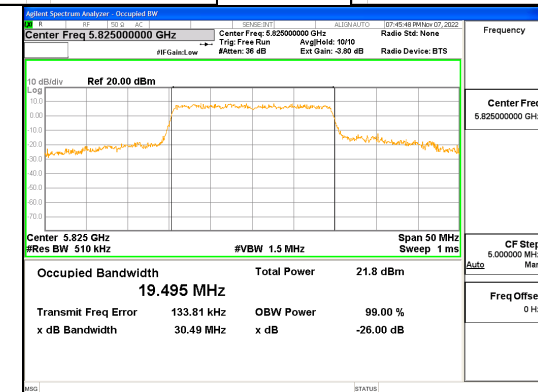
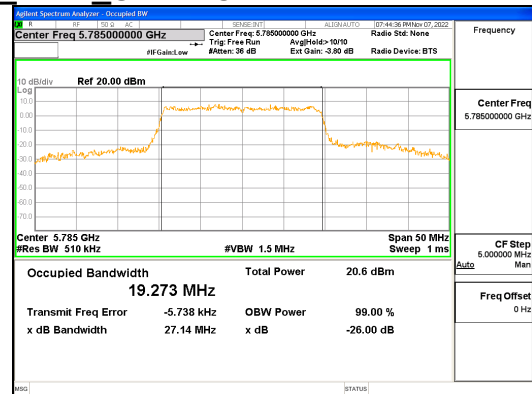
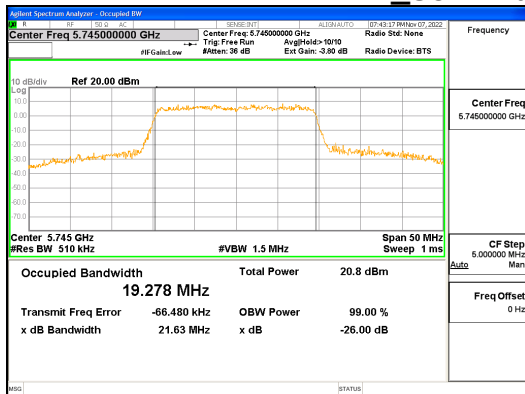


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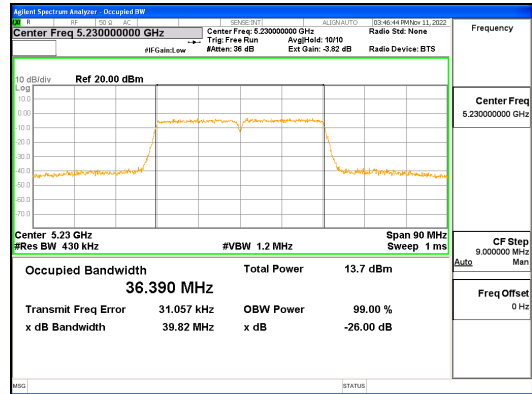
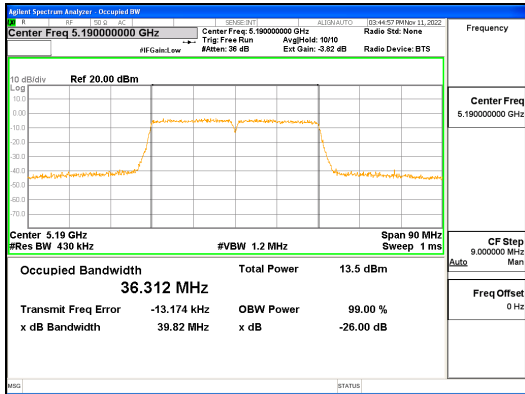
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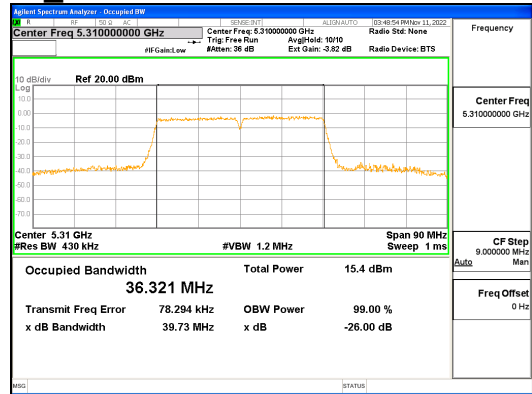
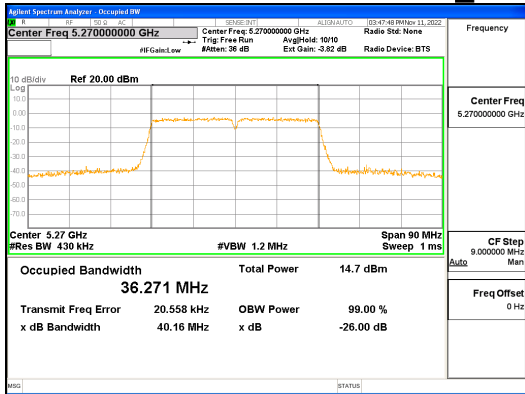
ANT2_802.11ax_HE20_242T_UNII 2C



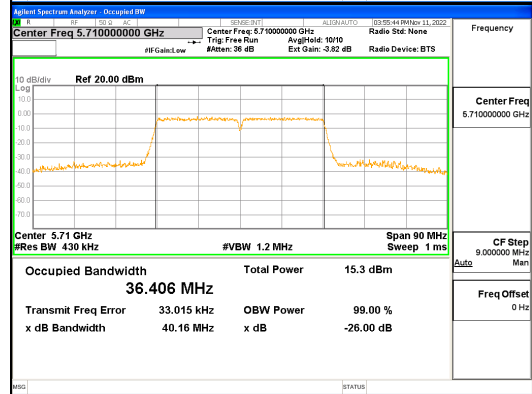
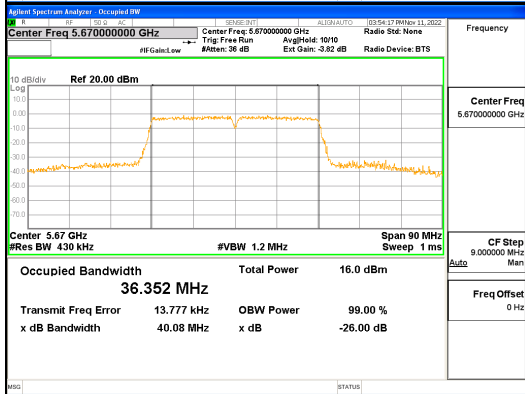
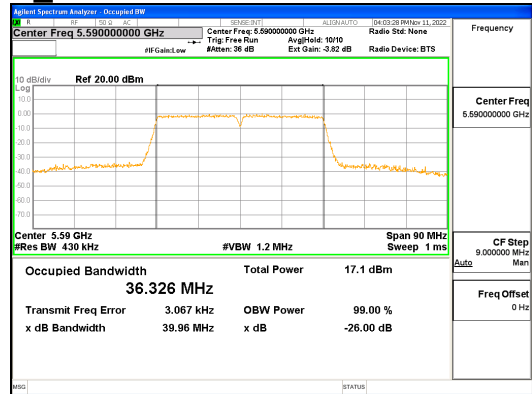
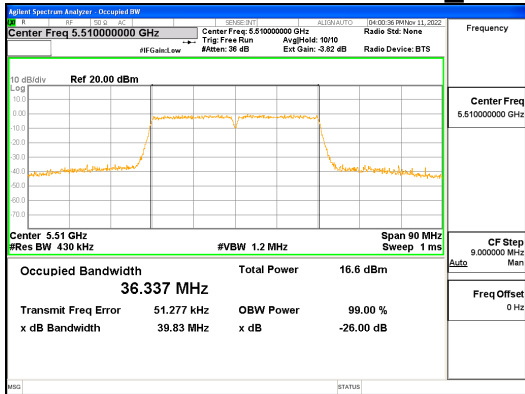
ANT2_802.11ax_HE20_242T_UNII 3



ANT1_802.11n_HT40_UNII 1



ANT1_802.11n_HT40_UNII 2A

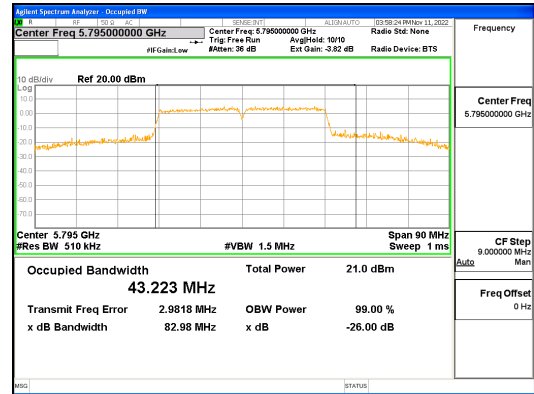
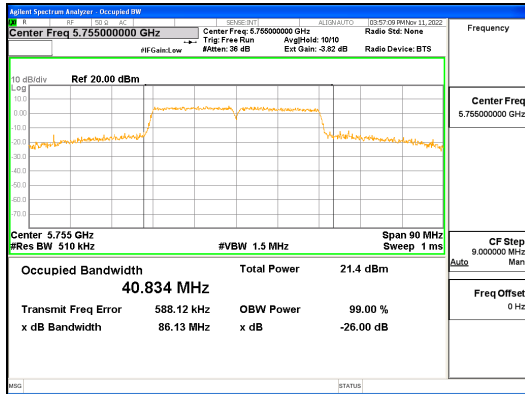


ANT1_802.11n_HT40_UNII 2C

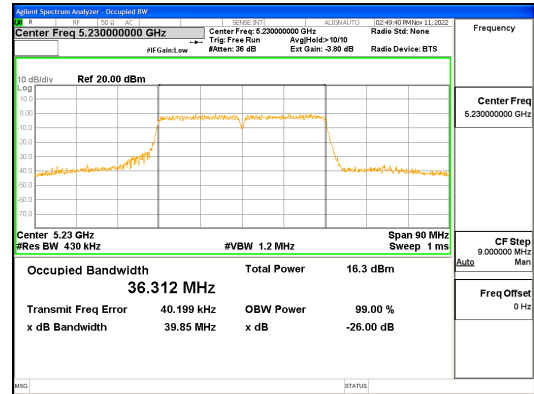
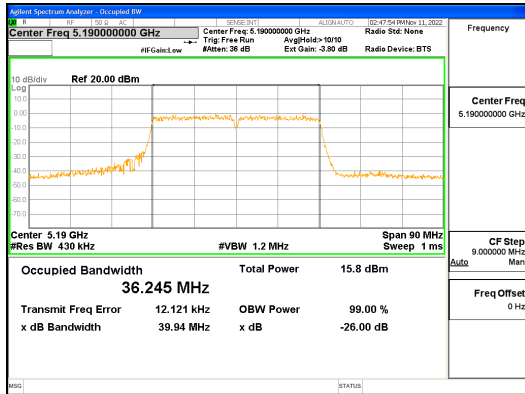


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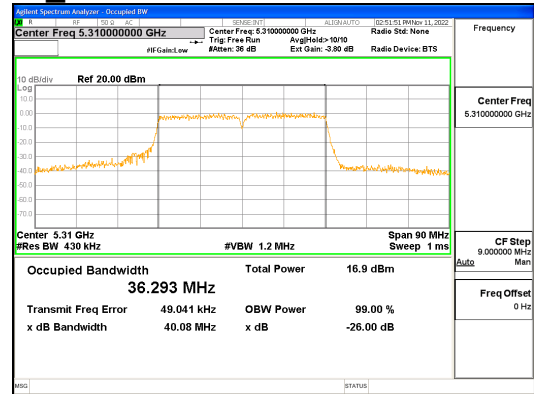
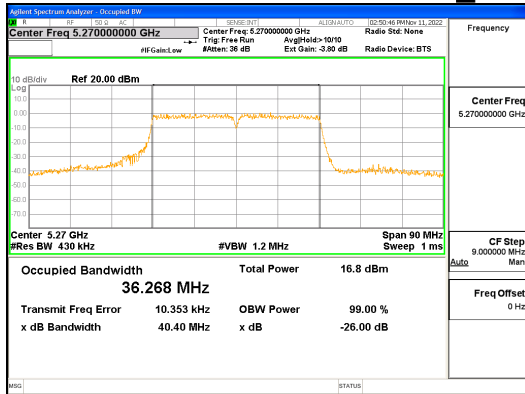
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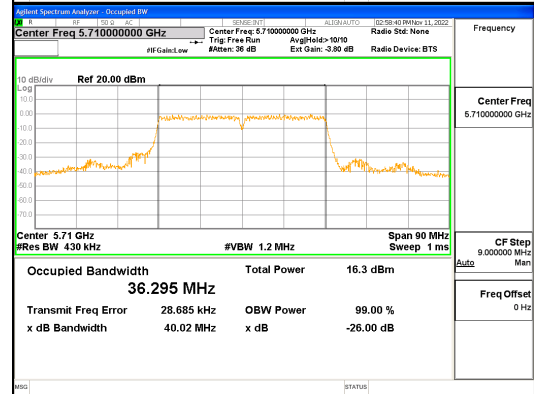
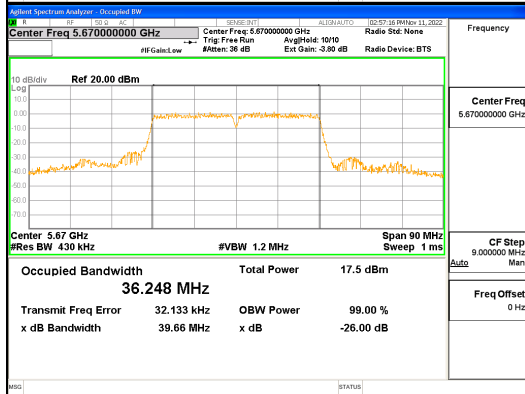
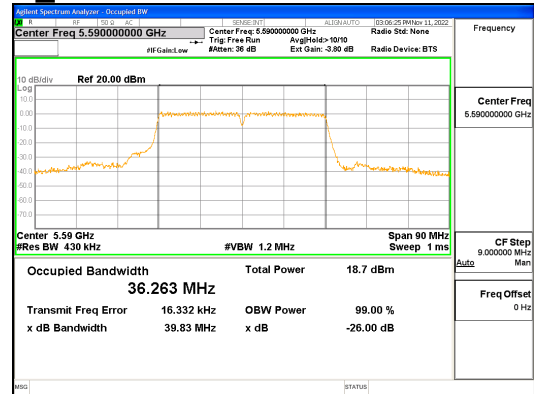
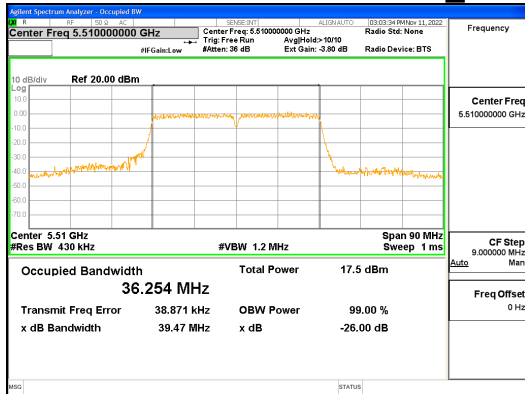
ANT1_802.11n_HT40_UNII 3



ANT2_802.11n_HT40_UNII 1



ANT2_802.11n_HT40_UNII 2A

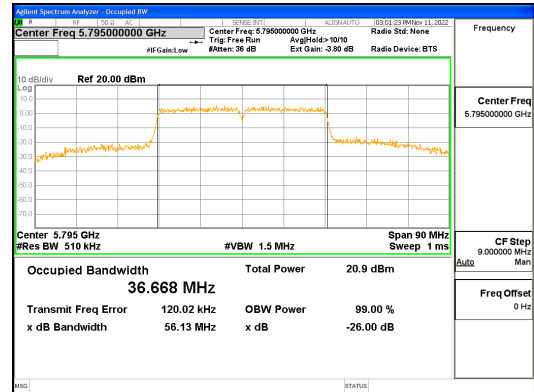
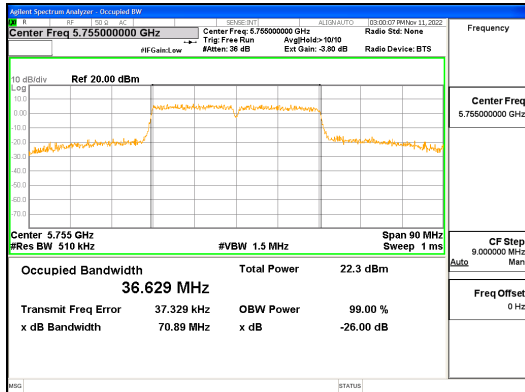


ANT2_802.11n_HT40_UNII 2C



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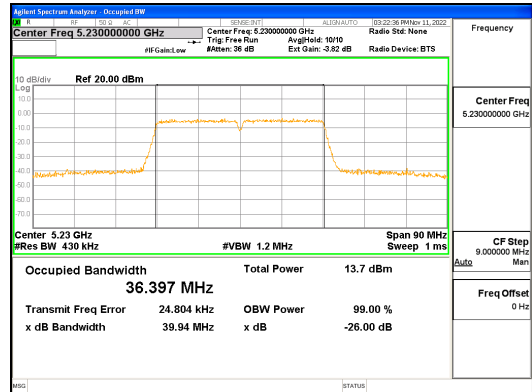
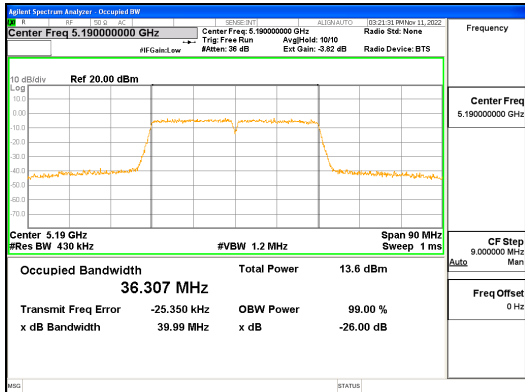


ANT2_802.11n_HT40_UNII 3

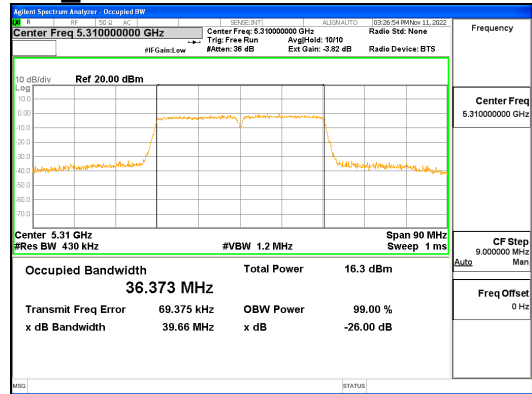
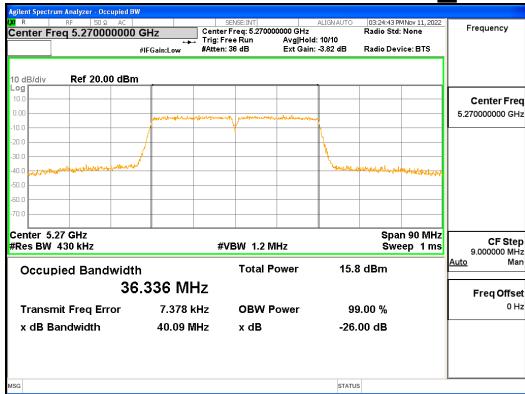


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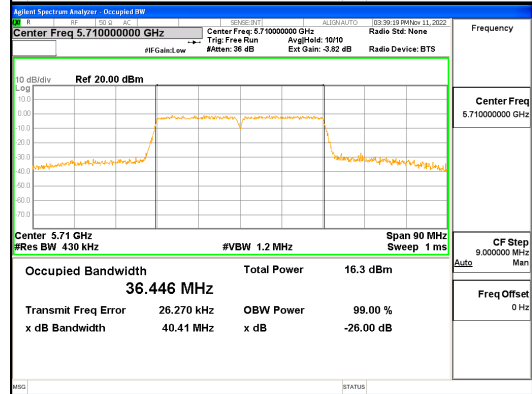
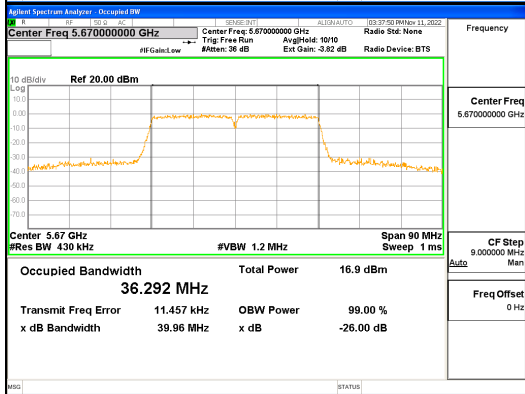
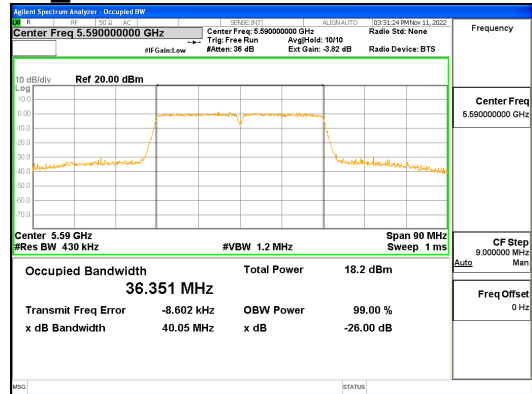
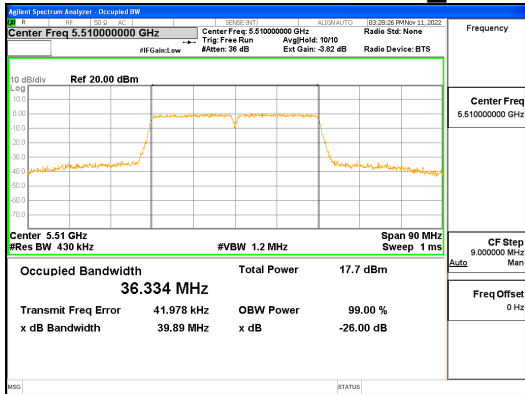
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ANT1_802.11ac_VHT40_UNII 1



ANT1_802.11ac_VHT40_UNII 2A

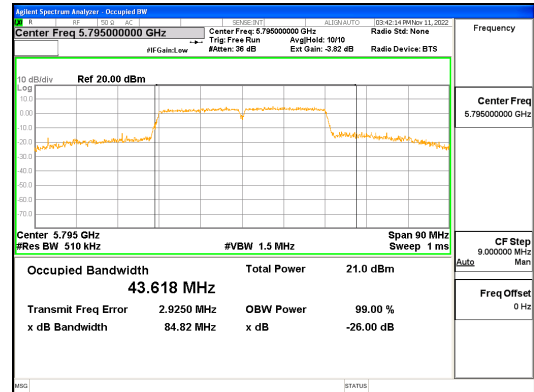
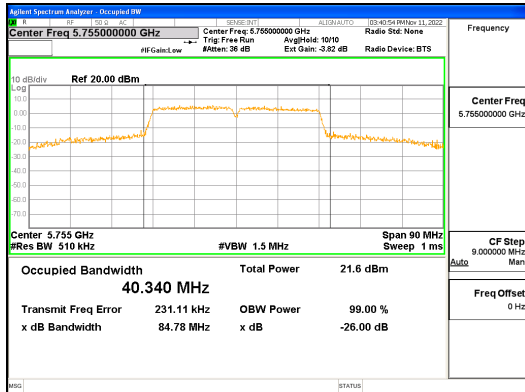


ANT1_802.11ac_VHT40_UNII 2C



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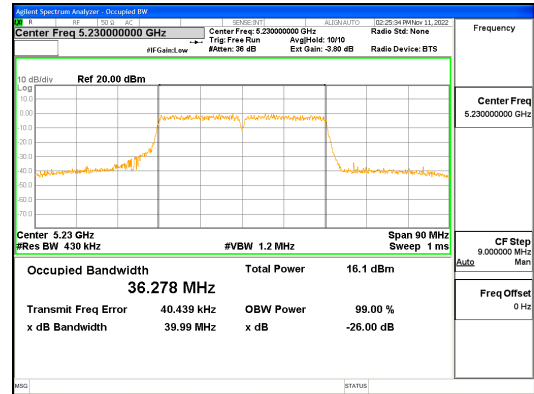
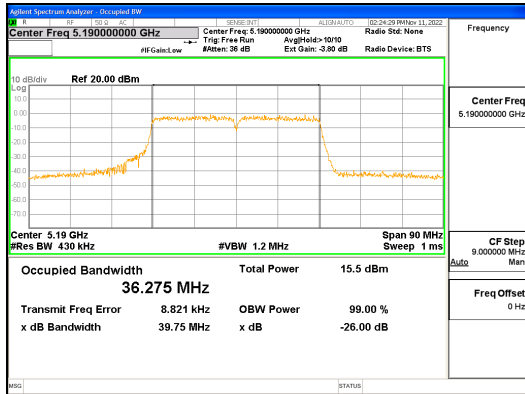


ANT1_802.11ac_VHT40_UNII 3

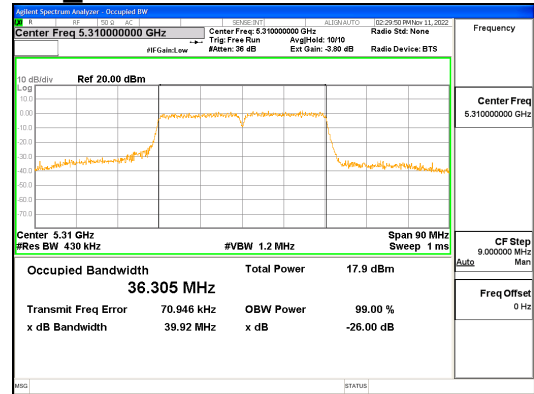
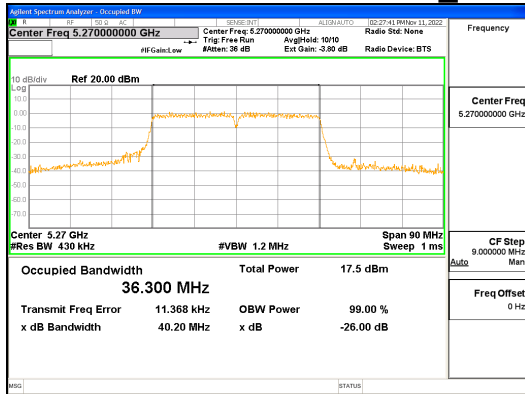


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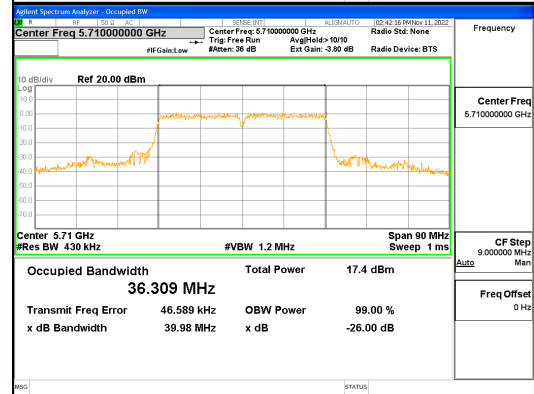
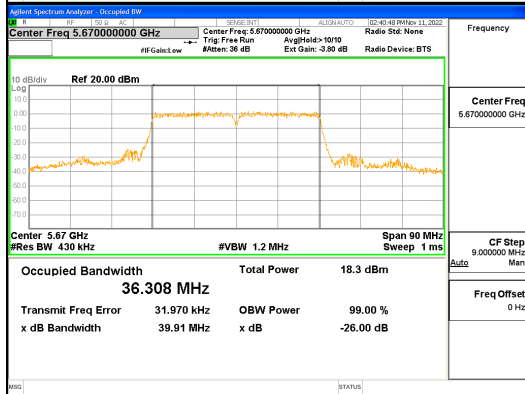
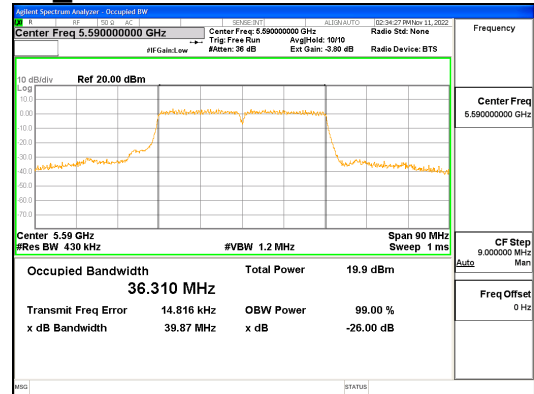
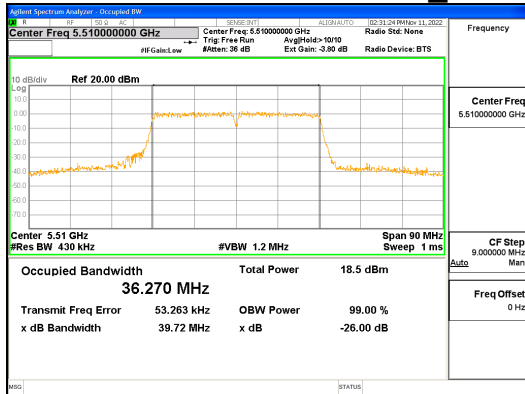
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ANT2_802.11ac_VHT40_UNII 1



ANT2_802.11ac_VHT40_UNII 2A

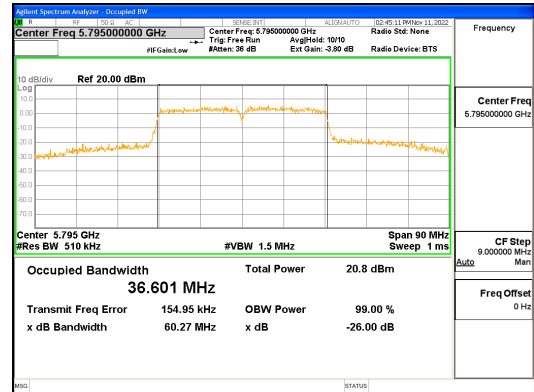
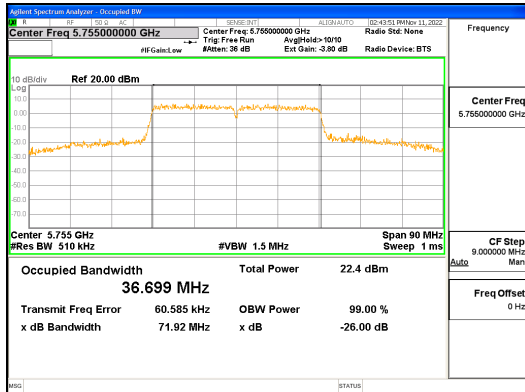


ANT2_802.11ac_VHT40_UNII 2C



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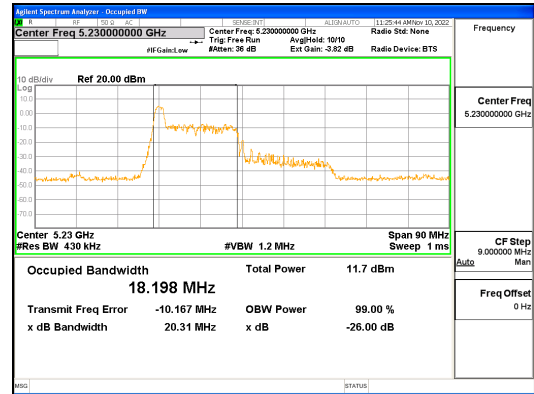
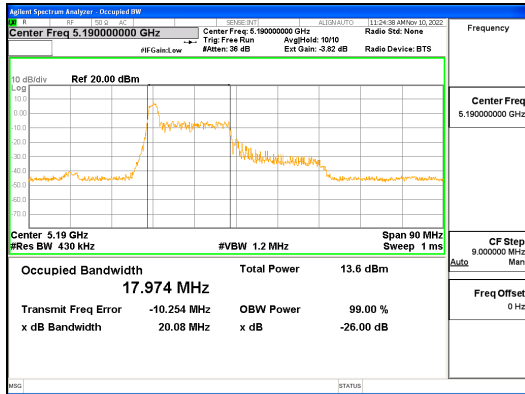


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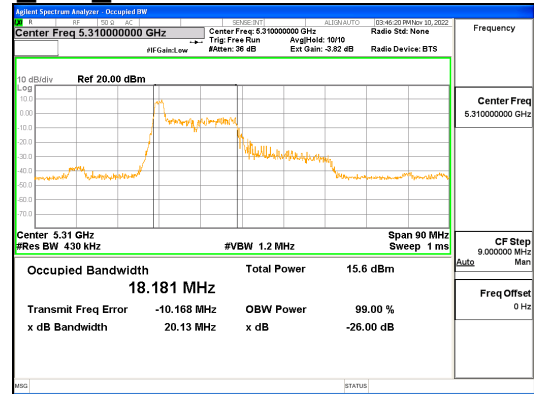
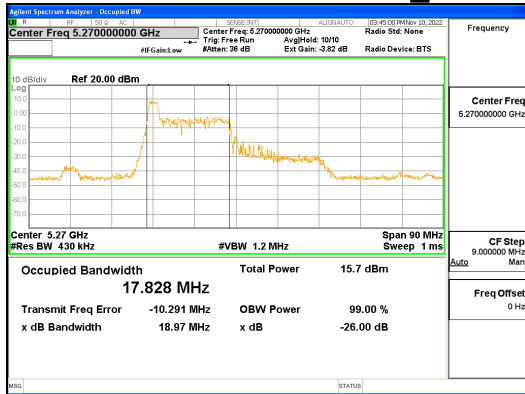


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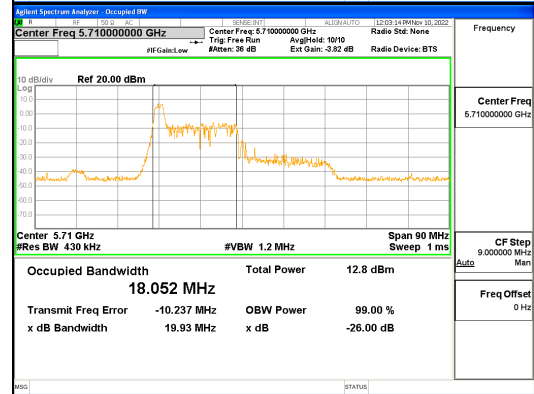
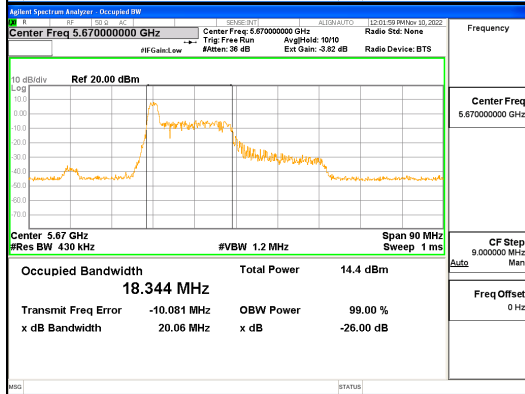
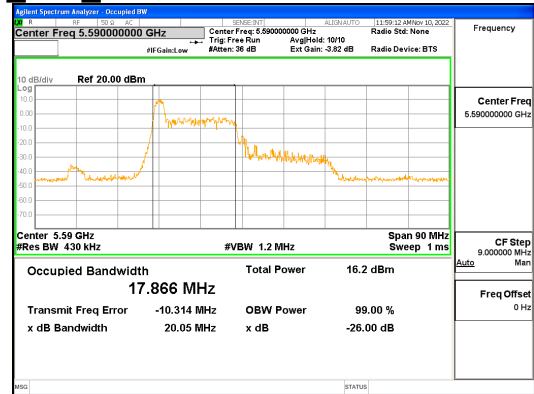
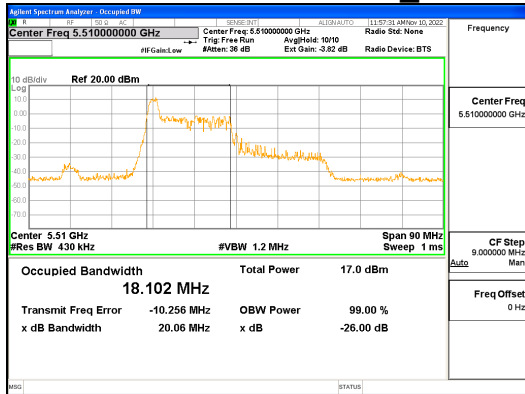
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ANT1_802.11ax_HE40_26T_UNII 1



ANT1_802.11ax_HE40_26T_UNII 2A

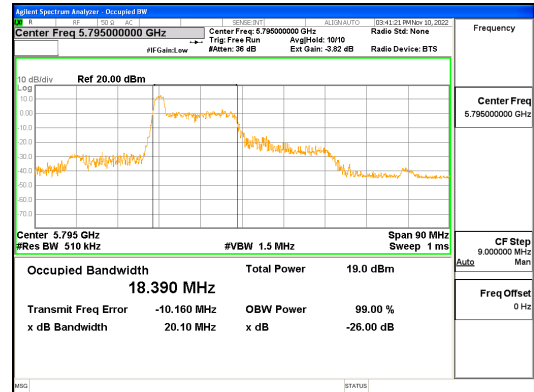
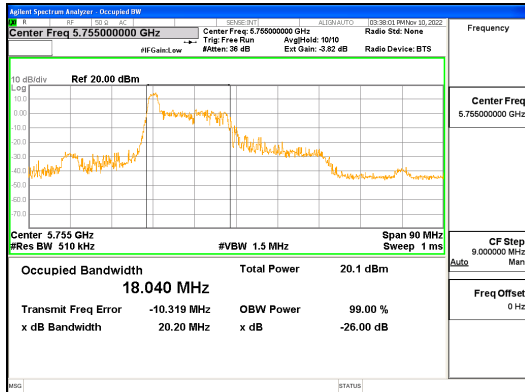


ANT1_802.11ax_HE40_26T_UNII 2C



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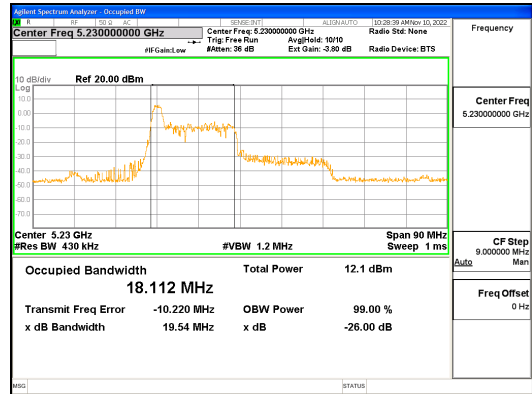
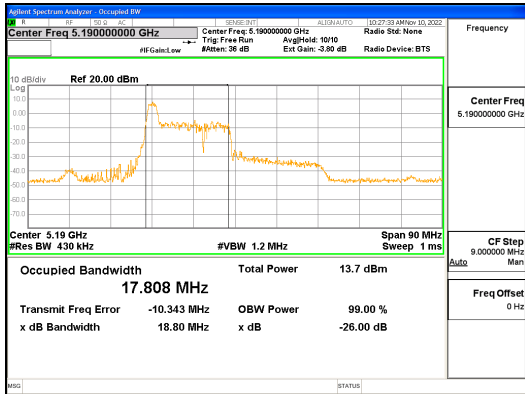


ANT1_802.11ax_HE40_26T_UNII 3

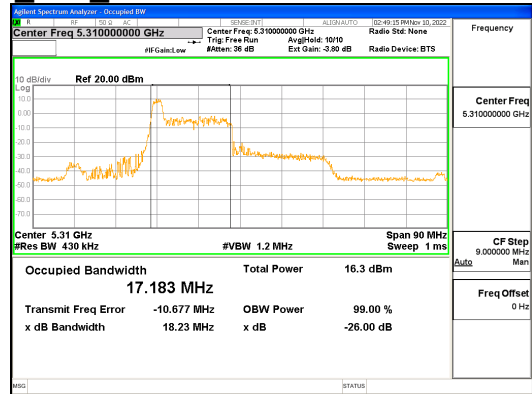
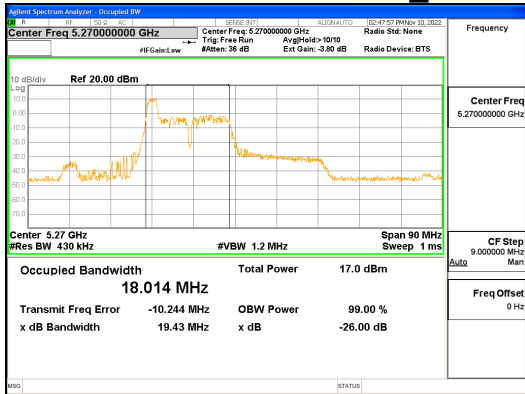


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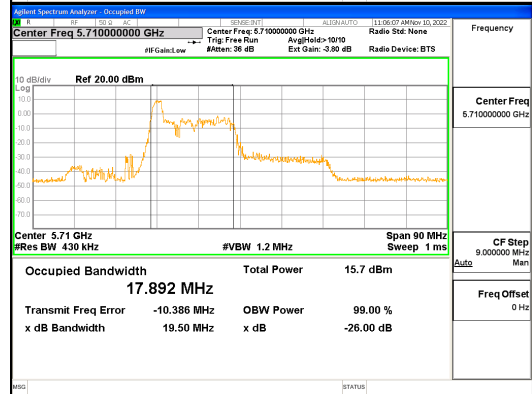
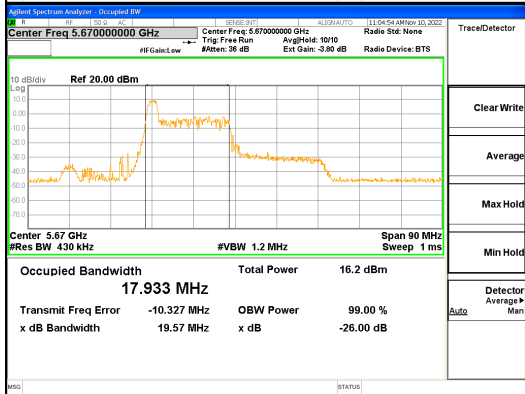
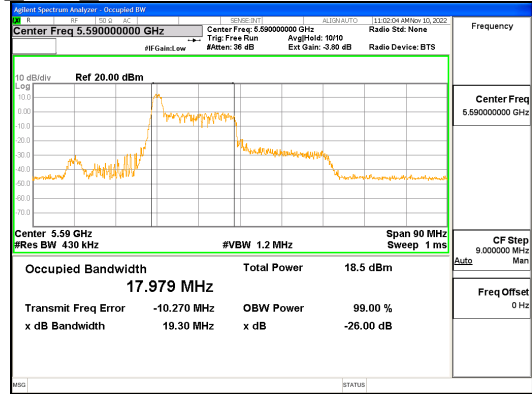
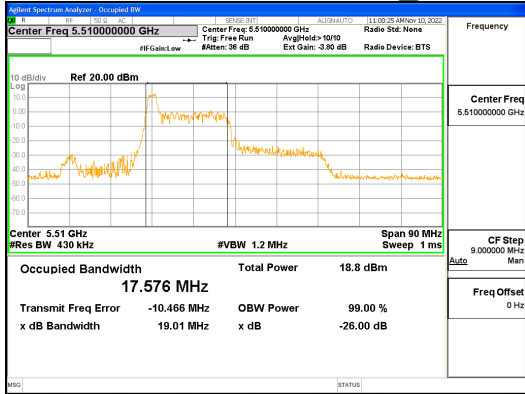
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ANT2_802.11ax_HE40_26T_UNII 1



ANT2_802.11ax_HE40_26T_UNII 2A

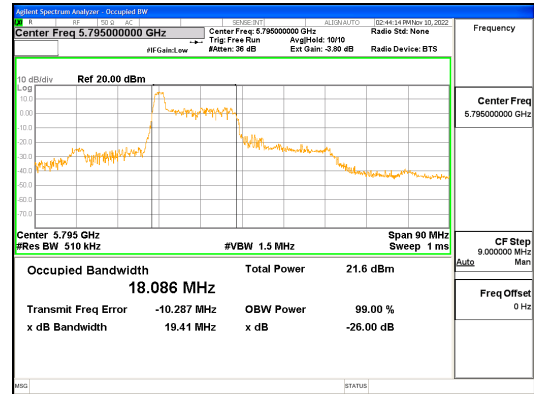
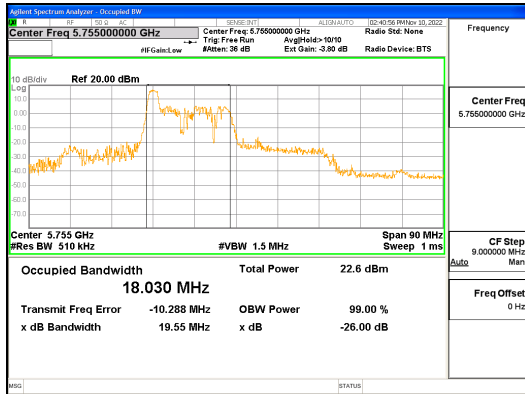


ANT2_802.11ax_HE40_26T_UNII 2C



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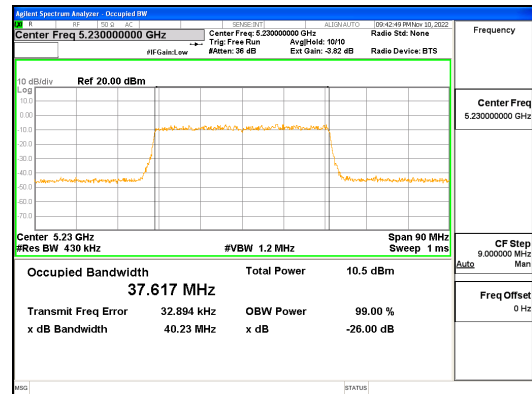
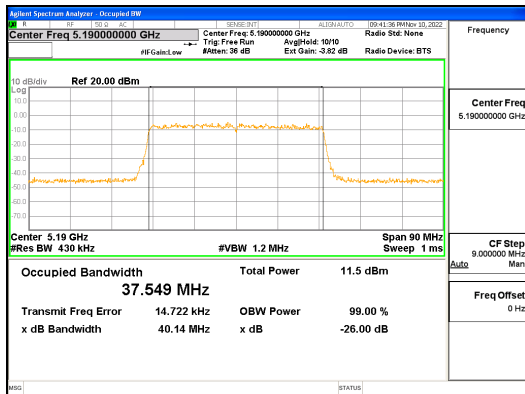


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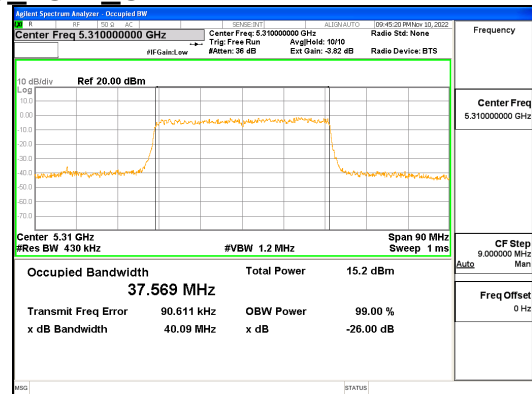
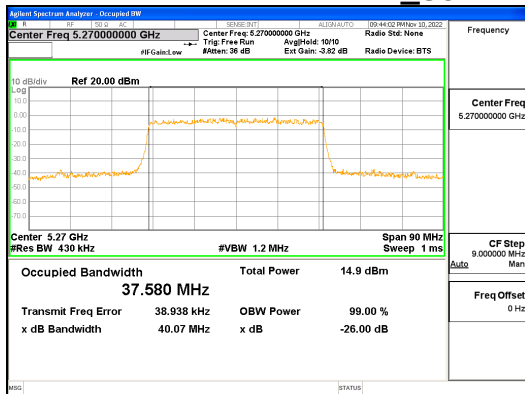


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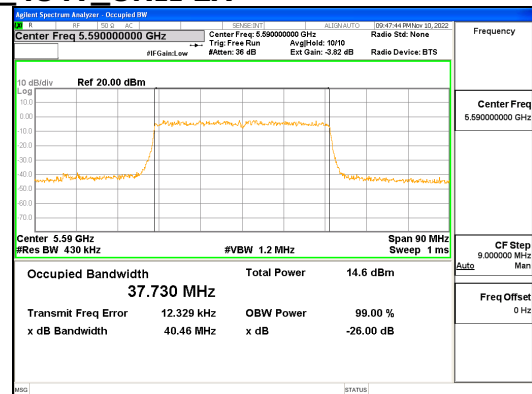
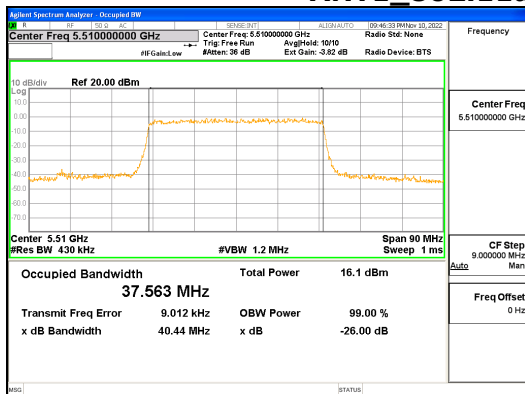
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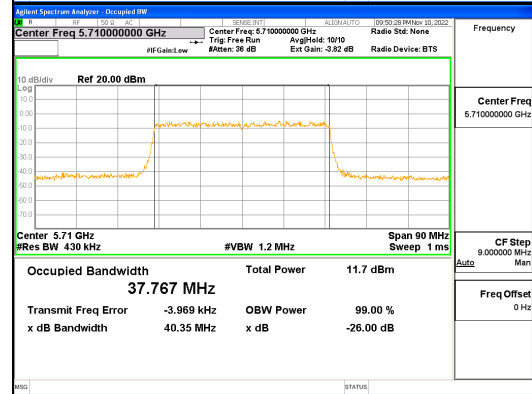
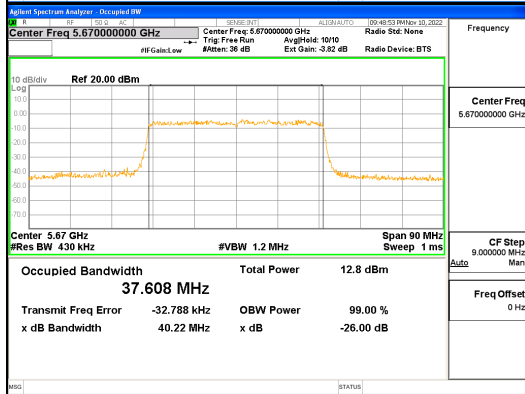
ANT1_802.11ax_HE40_484T_UNII 1



ANT1_802.11ax_HE40_484T_UNII 2A



ANT1_802.11ax_HE40_484T_UNII 2C

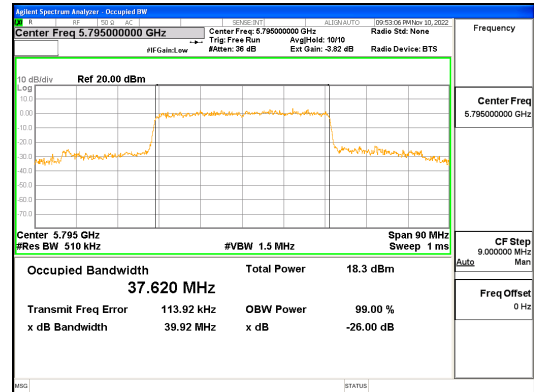
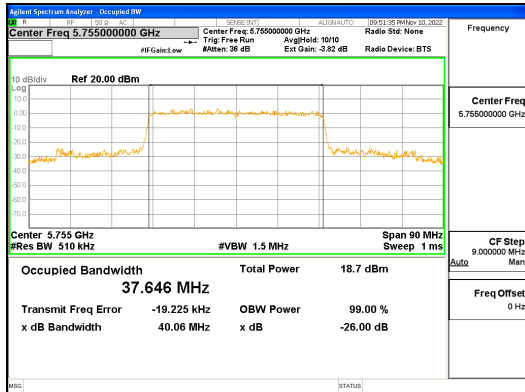


ANT1_802.11ax_HE40_484T_UNII 2C



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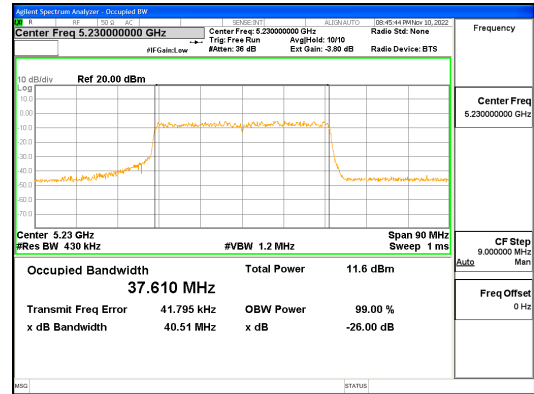
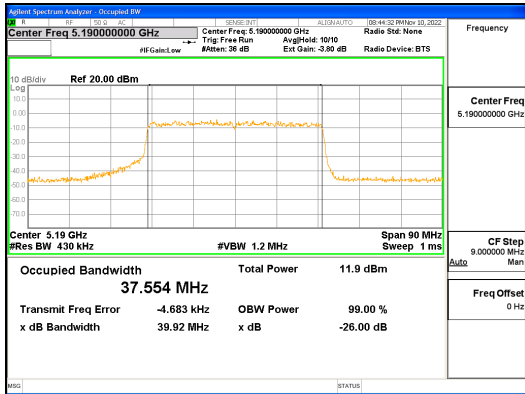


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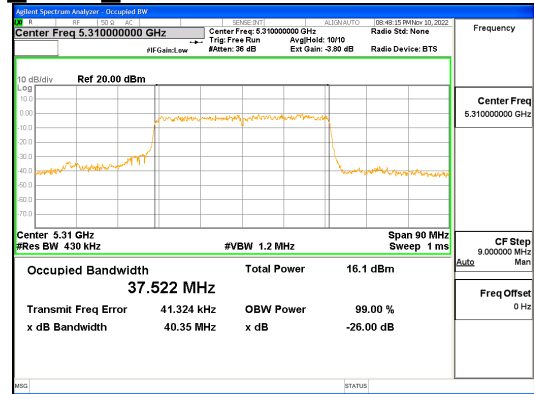
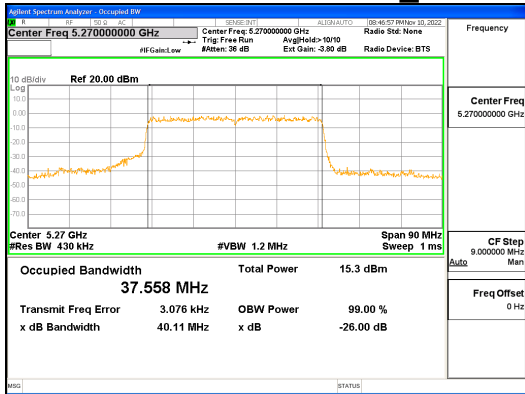


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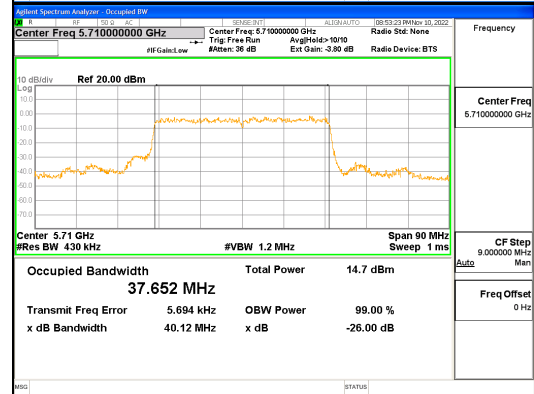
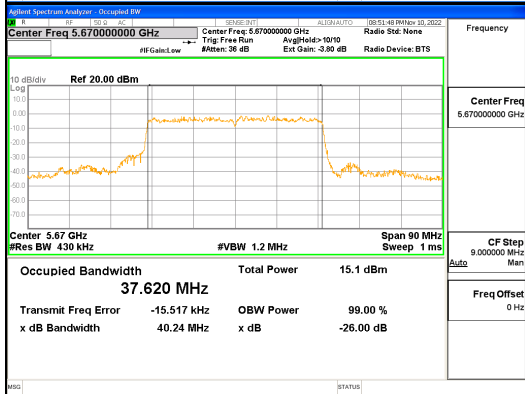
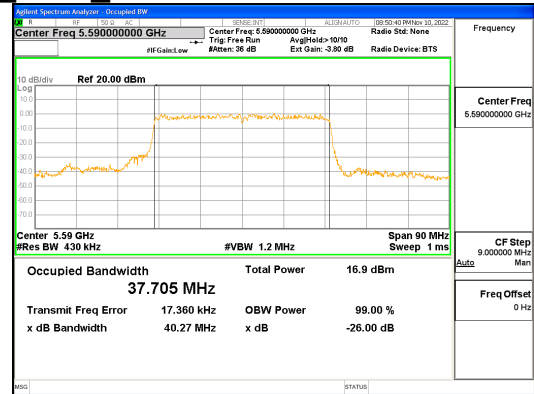
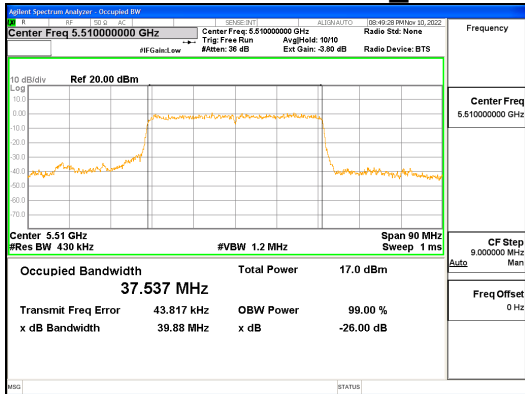
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ANT2_802.11ax_HE40_484T_UNII 2A

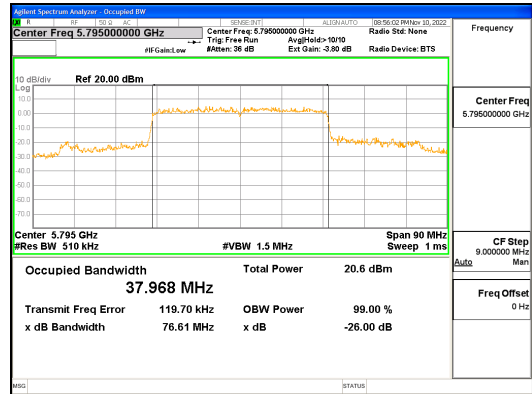
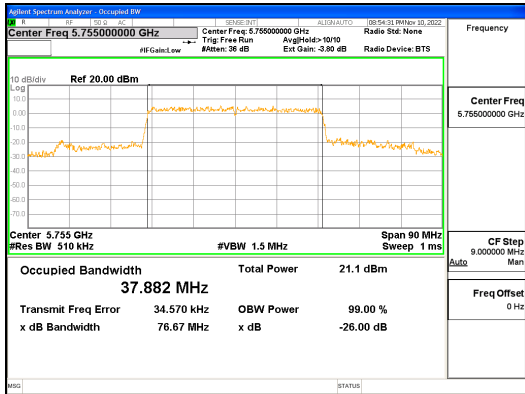


ANT2_802.11ax_HE40_484T_UNII 2C

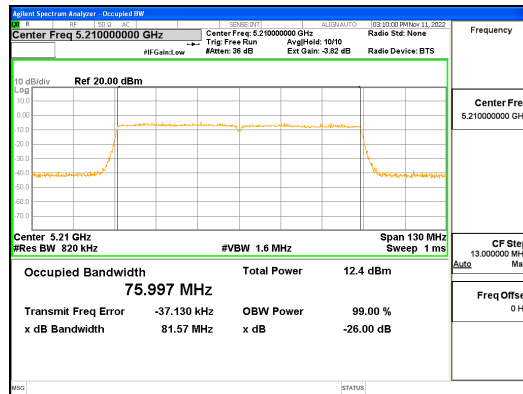


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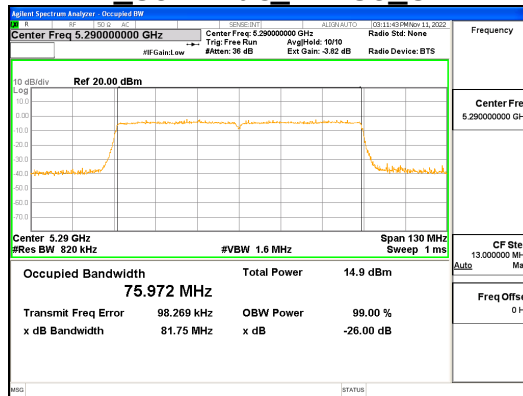
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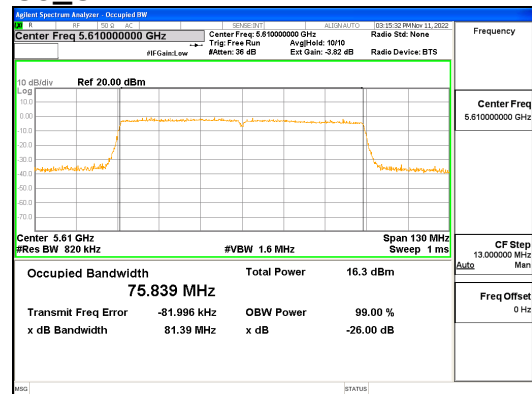
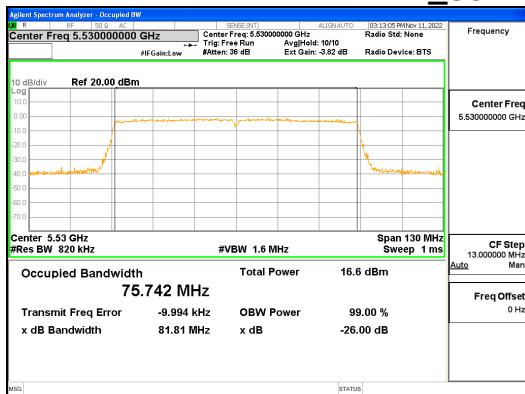
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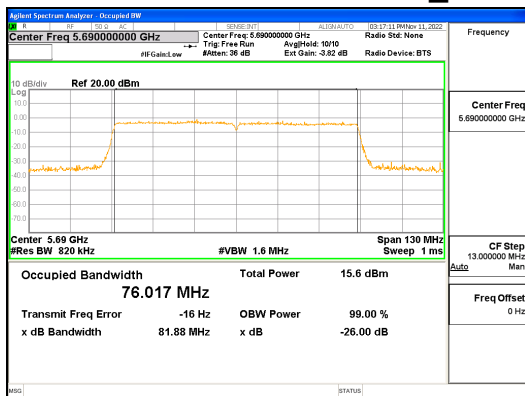
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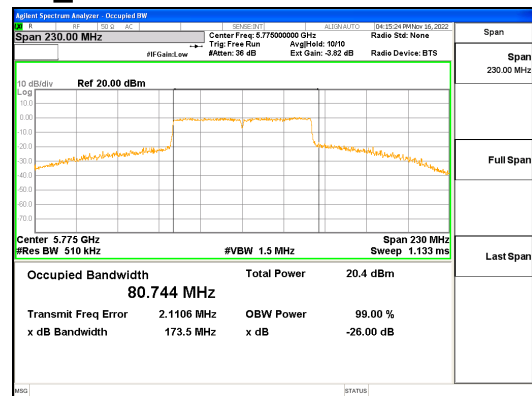
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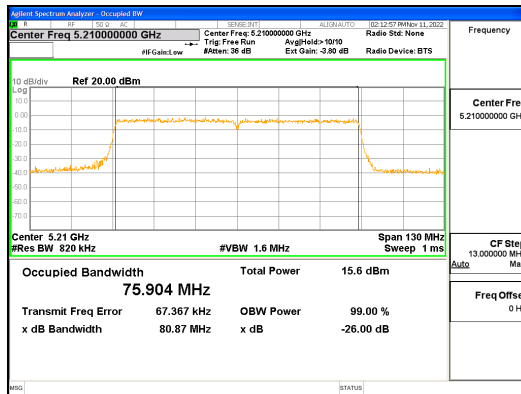
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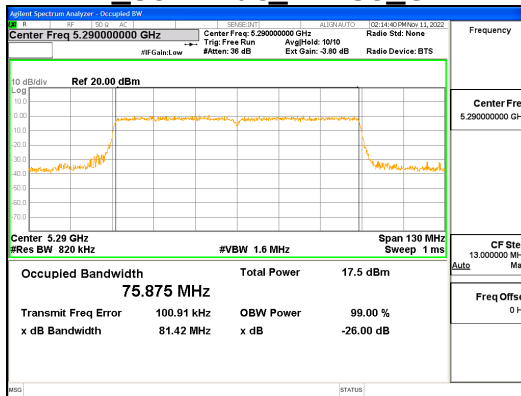
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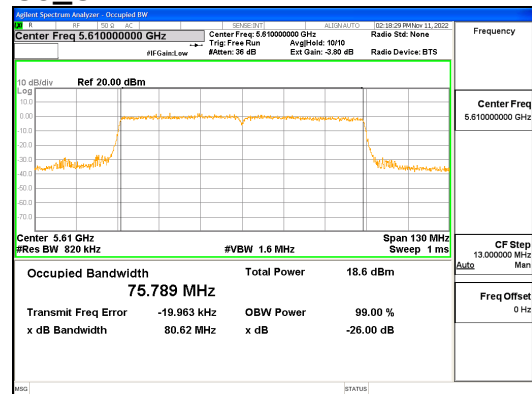
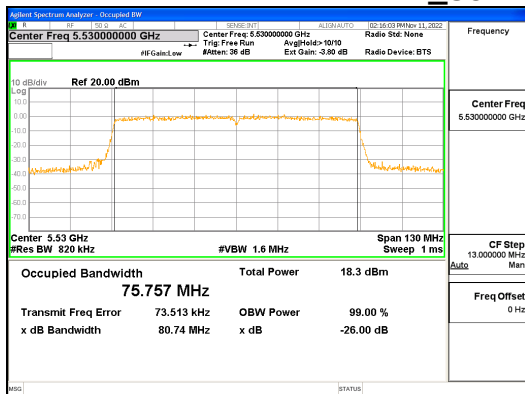
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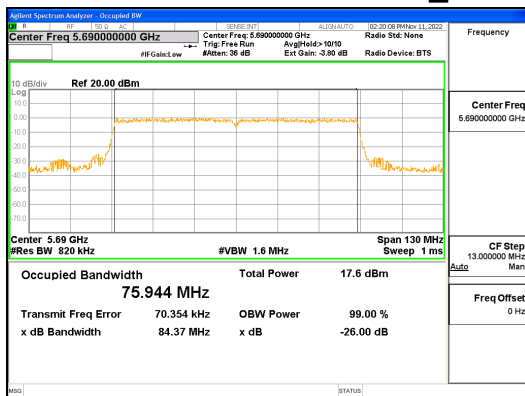
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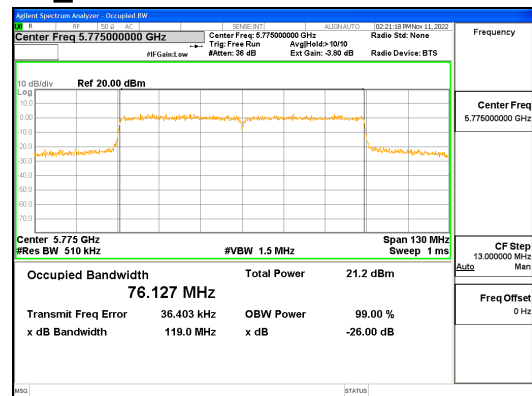
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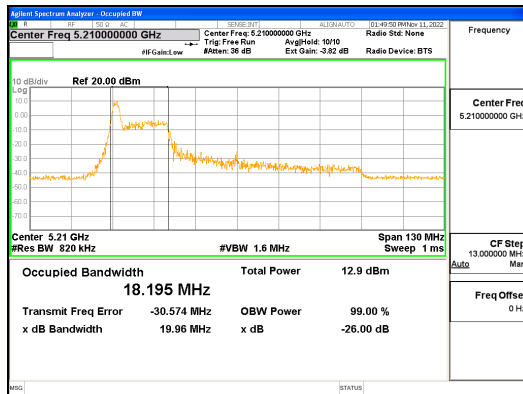
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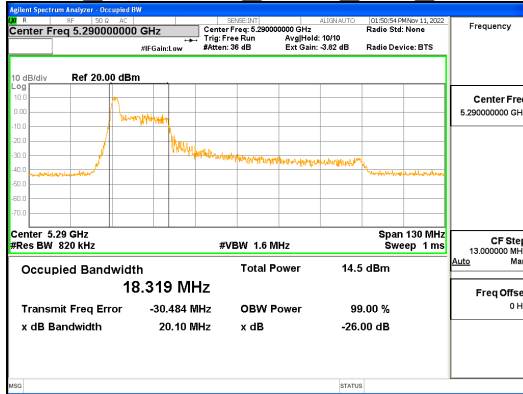
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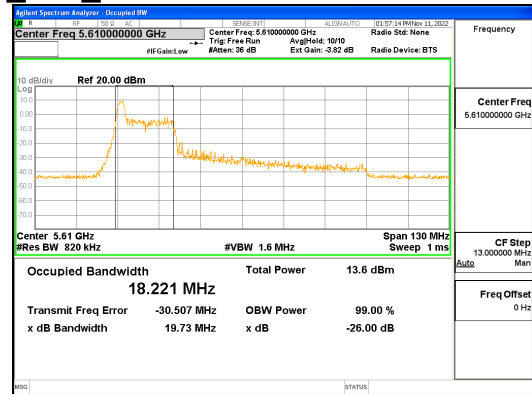
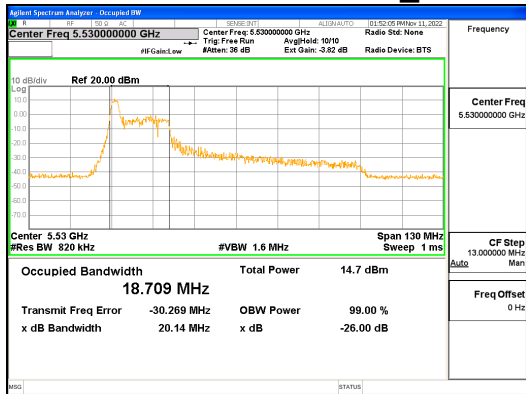
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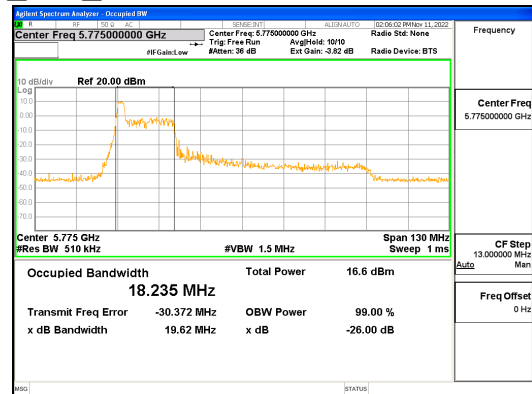
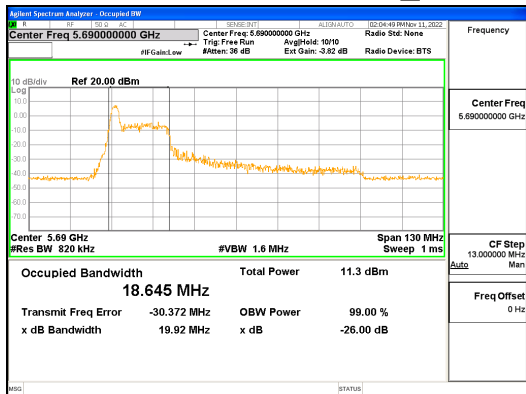
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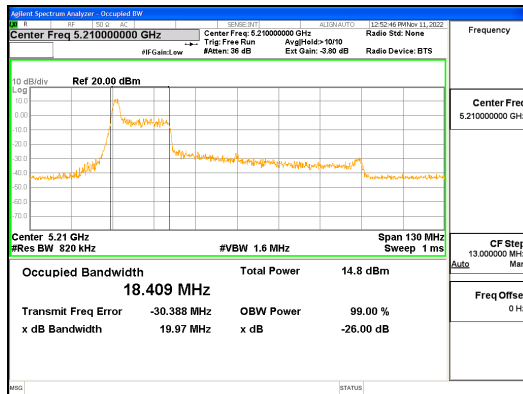


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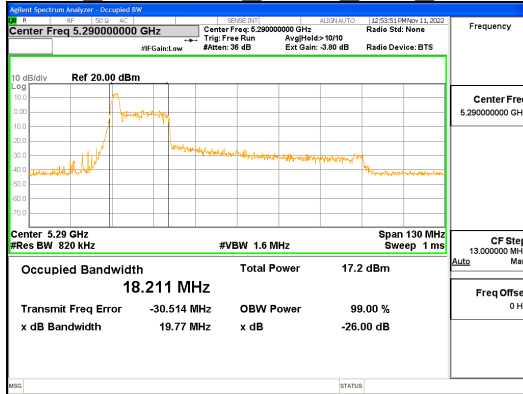


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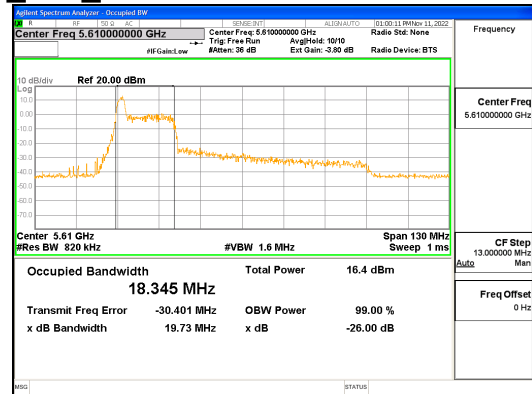
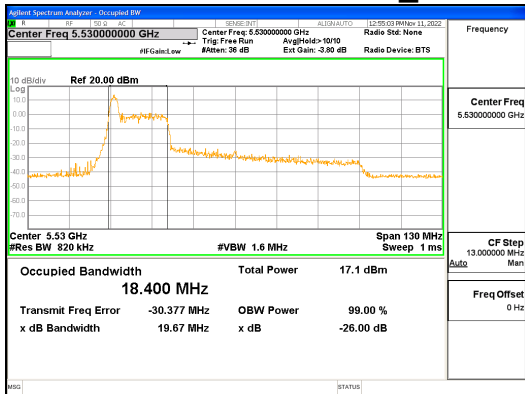
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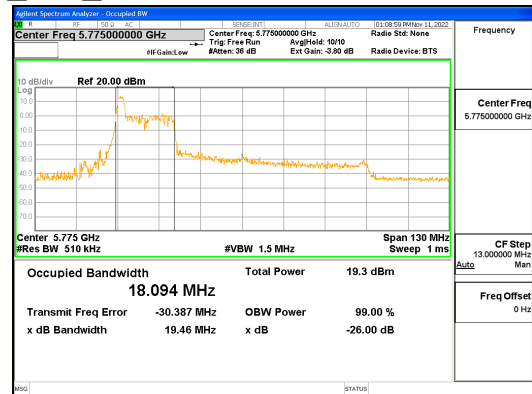
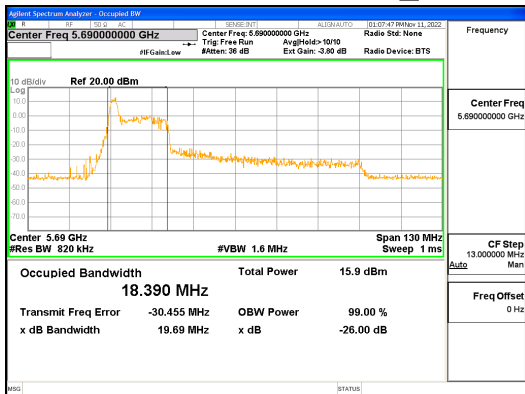
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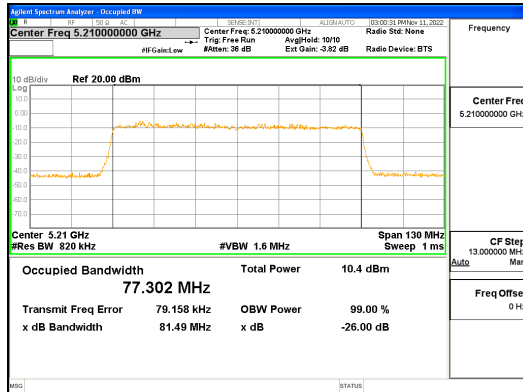


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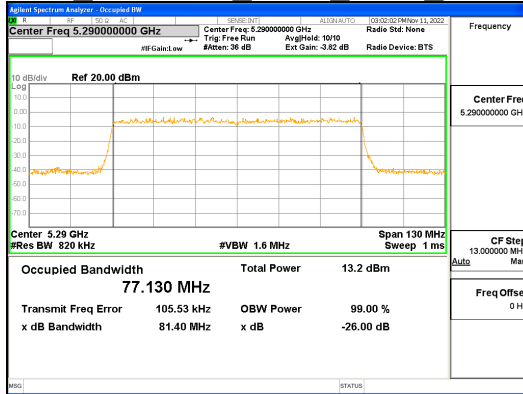


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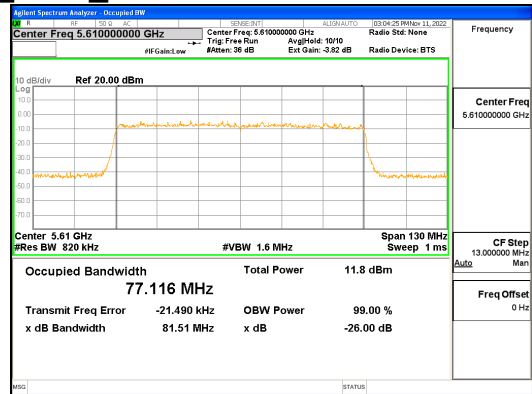
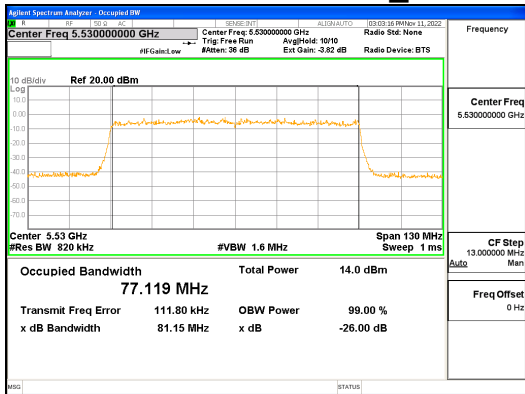
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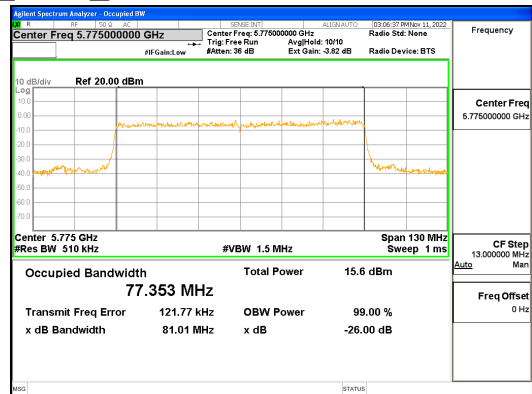
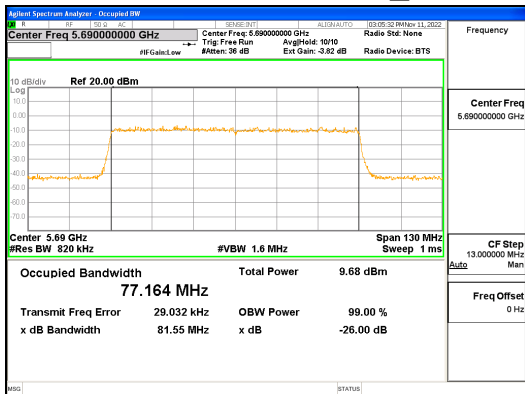
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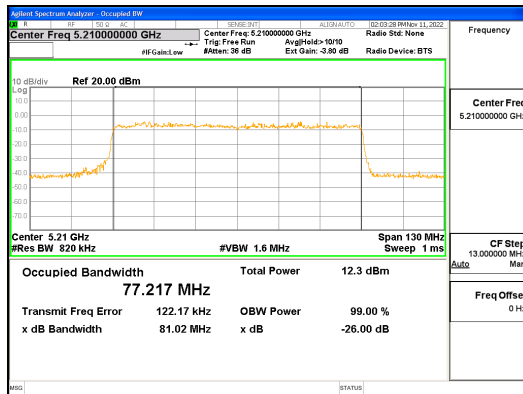


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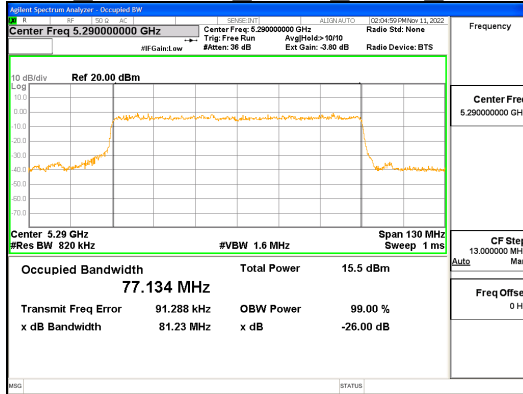


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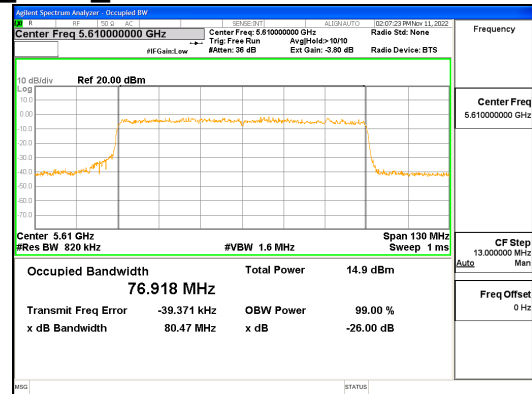
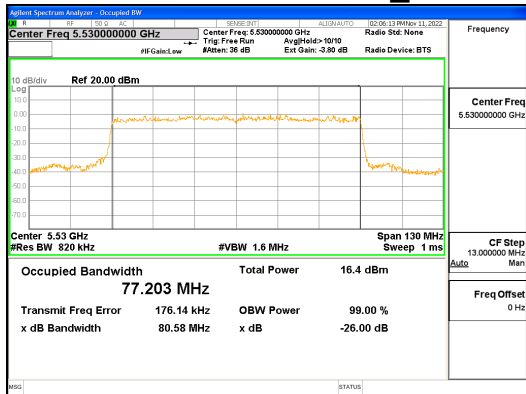
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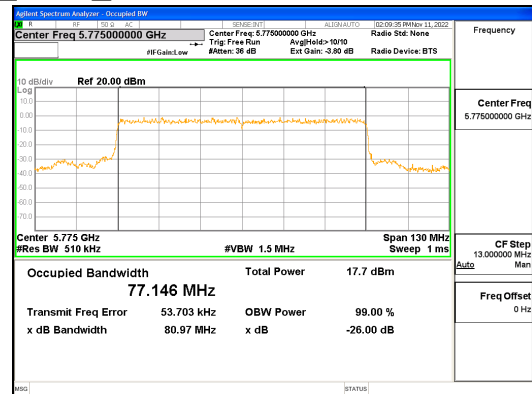
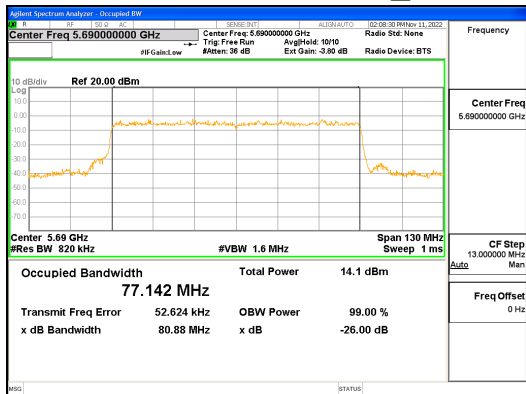
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ANT2_802.11ax_HE80_996T_UNII 2A



ANT2_802.11ax_HE80_996T_UNII 2C



ANT2_802.11ax_HE80_996T_UNII 2C

ANT2_802.11ax_HE80_996T_UNII 3

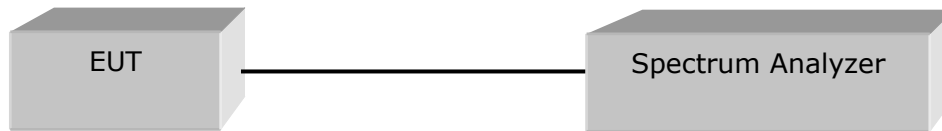
4.3 OUTPUT POWER

Test Procedures

<802.11a/n/ac mode>

KDB 789033 – Section E.2.d (Method SA-2, Maximum Conducted Output Power)
KDB 662911 D01, D02 (Multiple Transmitter Output)
ANSI C63.10-2013 – Section 12.3.2.4

The transmitter output is connected to a spectrum analyzer and the analyzer's internal channel power integration function is used to integrate the power over a bandwidth greater than or equal to the 99% bandwidth.



Test Settings :

Center frequency = the highest, middle and the lowest channels

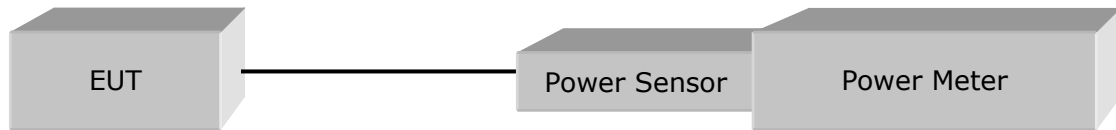
- a) RBW = 1 MHz
- b) VBW $\geq 3 \times$ RBW
- c) Sweep time = auto
- d) Detector = power averaging (rms)
- e) Trace mode = Average at least 100
- f) Duty cycle factor = $10\log(1/x)$

| Test mode | Duty Cycle Factor |
|----------------|-------------------|
| 802.11a | 0.65 dB |
| 802.11n_HT20 | 2.21 dB |
| 802.11n_HT40 | 2.55 dB |
| 802.11ac_VHT20 | 2.12 dB |
| 802.11ac_VHT40 | 2.46 dB |
| 802.11ac_VHT80 | 2.35 dB |

<802.11ax mode>

KDB 789033 – Section E.3.a (Method PM, Maximum Conducted Output Power)
KDB 662911 D01, D02 (Multiple Transmitter Output)
ANSI C63.10-2013 – Section 12.3.3.1

The transmitter output is connected to a average power meter.



Test Settings :

Center frequency = the highest, middle and the lowest channels

- a) Measure the average power of the transmitter.
- b) Duty cycle factor = $10\log(1/x)$

| Test mode | Duty Cycle Factor |
|-----------------------|-------------------|
| 802.11ax HE20/40 26T | 0.13 dB |
| 802.11ax HE20/40 52T | 0.12 dB |
| 802.11ax HE20/40 106T | 0.15 dB |
| 802.11ax HE20/40 242T | 0.29 dB |
| 802.11ax HE40 484T | 0.49 dB |
| 802.11ax HE80 26T | 0.14 dB |
| 802.11ax HE80 52T | 0.12 dB |
| 802.11ax HE80 106T | 0.20 dB |
| 802.11ax HE80 242T | 0.34 dB |
| 802.11ax HE80 484T | 0.27 dB |
| 802.11ax HE80 996T | 0.77 dB |



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Limit

| Operating Mode | ANT Configuration | ANT Gain (dBi) | Mode | Band | Limit (dBm) |
|----------------|-------------------|----------------|---------------|---------|-------------|
| SISO | ANT1, ANT2 | 0.82, 0.77 | 802.11a | UNII 1 | 24.00 |
| | | | | UNII 2A | 24.00 |
| | | | | UNII 2C | 24.00 |
| | | | | UNII 3 | 30.00 |
| MIMO (2Tx) | ANT1 + ANT2 | 3.81 | 802.11n/ac/ax | UNII 1 | 24.00 |
| | | | | UNII 2A | 24.00 |
| | | | | UNII 2C | 24.00 |
| | | | | UNII 3 | 30.00 |

Test Data

ANT1

| Test Mode | Frequency (MHz) | Measured Output Power (dBm) | Duty cycle Factor (dB) | Result Output Power (dBm) | Limit (dBm) | Margin (dB) |
|-------------------------|-----------------|-----------------------------|------------------------|---------------------------|-------------|-------------|
| 802.11a | 5 180 | 11.73 | 0.65 | 12.38 | 24.00 | 11.62 |
| | 5 200 | 11.66 | 0.65 | 12.31 | 24.00 | 11.69 |
| | 5 240 | 12.24 | 0.65 | 12.89 | 24.00 | 11.11 |
| | 5 260 | 14.28 | 0.65 | 14.93 | 24.00 | 9.07 |
| | 5 300 | 14.75 | 0.65 | 15.40 | 24.00 | 8.60 |
| | 5 320 | 15.36 | 0.65 | 16.01 | 24.00 | 7.99 |
| | 5 500 | 12.63 | 0.65 | 13.28 | 24.00 | 10.72 |
| | 5 600 | 12.56 | 0.65 | 13.21 | 24.00 | 10.79 |
| | 5 700 | 11.36 | 0.65 | 12.01 | 24.00 | 11.99 |
| | 5 720 | 11.16 | 0.65 | 11.81 | 24.00 | 12.19 |
| | 5 745 | 15.99 | 0.65 | 16.64 | 30.00 | 13.36 |
| | 5 785 | 14.79 | 0.65 | 15.44 | 30.00 | 14.56 |
| | 5 825 | 15.52 | 0.65 | 16.17 | 30.00 | 13.83 |
| Measurement uncertainty | | ± 1.5 dB | | | | |

ANT2

| Test Mode | Frequency (MHz) | Measured Output Power (dBm) | Duty cycle Factor (dB) | Result Output Power (dBm) | Limit (dBm) | Margin (dB) |
|-------------------------|-----------------|-----------------------------|------------------------|---------------------------|-------------|-------------|
| 802.11a | 5 180 | 11.83 | 0.65 | 12.48 | 24.00 | 11.52 |
| | 5 200 | 12.08 | 0.65 | 12.73 | 24.00 | 11.27 |
| | 5 240 | 13.05 | 0.65 | 13.70 | 24.00 | 10.30 |
| | 5 260 | 16.05 | 0.65 | 16.70 | 24.00 | 7.30 |
| | 5 300 | 16.01 | 0.65 | 16.66 | 24.00 | 7.34 |
| | 5 320 | 16.39 | 0.65 | 17.04 | 24.00 | 6.96 |
| | 5 500 | 13.14 | 0.65 | 13.79 | 24.00 | 10.21 |
| | 5 600 | 13.61 | 0.65 | 14.26 | 24.00 | 9.74 |
| | 5 700 | 12.23 | 0.65 | 12.88 | 24.00 | 11.12 |
| | 5 720 | 11.92 | 0.65 | 12.57 | 24.00 | 11.43 |
| | 5 745 | 16.36 | 0.65 | 17.01 | 30.00 | 12.99 |
| | 5 785 | 14.55 | 0.65 | 15.20 | 30.00 | 14.80 |
| | 5 825 | 14.35 | 0.65 | 15.00 | 30.00 | 15.00 |
| Measurement uncertainty | | ± 1.5 dB | | | | |

ANT1 + ANT2

| Test Mode | Frequency (MHz) | Measured Output Power (dBm) | Duty cycle Factor (dB) | Result Output Power (dBm) | Limit (dBm) | Margin (dB) |
|--------------------|-----------------|-----------------------------|------------------------|---------------------------|-------------|-------------|
| 802.11n _HT20 | 5 180 | 13.71 | 2.21 | 15.92 | 24.00 | 8.08 |
| | 5 200 | 13.58 | 2.21 | 15.79 | 24.00 | 8.21 |
| | 5 240 | 14.18 | 2.21 | 16.39 | 24.00 | 7.61 |
| | 5 260 | 15.51 | 2.21 | 17.72 | 24.00 | 6.28 |
| | 5 300 | 15.42 | 2.21 | 17.63 | 24.00 | 6.37 |
| | 5 320 | 15.96 | 2.21 | 18.17 | 24.00 | 5.83 |
| | 5 500 | 16.02 | 2.21 | 18.23 | 24.00 | 5.77 |
| | 5 600 | 16.14 | 2.21 | 18.35 | 24.00 | 5.65 |
| | 5 700 | 14.55 | 2.21 | 16.76 | 24.00 | 7.24 |
| | 5 720 | 14.26 | 2.21 | 16.47 | 24.00 | 7.53 |
| | 5 745 | 17.36 | 2.21 | 19.57 | 30.00 | 10.43 |
| | 5 785 | 16.67 | 2.21 | 18.88 | 30.00 | 11.12 |
| | 5 825 | 17.17 | 2.21 | 19.38 | 30.00 | 10.62 |
| 802.11ac _VHT20 | 5 180 | 13.61 | 2.12 | 15.73 | 24.00 | 8.27 |
| | 5 200 | 13.58 | 2.12 | 15.70 | 24.00 | 8.30 |
| | 5 240 | 14.21 | 2.12 | 16.33 | 24.00 | 7.67 |
| | 5 260 | 18.02 | 2.12 | 20.14 | 24.00 | 3.86 |
| | 5 300 | 17.38 | 2.12 | 19.50 | 24.00 | 4.50 |
| | 5 320 | 17.93 | 2.12 | 20.05 | 24.00 | 3.95 |
| | 5 500 | 15.85 | 2.12 | 17.97 | 24.00 | 6.03 |
| | 5 600 | 15.96 | 2.12 | 18.08 | 24.00 | 5.92 |
| | 5 700 | 14.40 | 2.12 | 16.52 | 24.00 | 7.48 |
| | 5 720 | 14.03 | 2.12 | 16.15 | 24.00 | 7.85 |
| | 5 745 | 17.37 | 2.12 | 19.49 | 30.00 | 10.51 |
| | 5 785 | 16.31 | 2.12 | 18.43 | 30.00 | 11.57 |
| 5 825 | 17.53 | 2.12 | 19.65 | 30.00 | 10.35 | |
| 802.11n _HT40 | 5 190 | 10.64 | 2.55 | 13.19 | 24.00 | 10.81 |
| | 5 230 | 11.15 | 2.55 | 13.70 | 24.00 | 10.30 |
| | 5 270 | 11.94 | 2.55 | 14.49 | 24.00 | 9.51 |
| | 5 310 | 12.12 | 2.55 | 14.67 | 24.00 | 9.33 |
| | 5 510 | 12.97 | 2.55 | 15.52 | 24.00 | 8.48 |
| | 5 590 | 13.36 | 2.55 | 15.91 | 24.00 | 8.09 |
| | 5 670 | 12.87 | 2.55 | 15.42 | 24.00 | 8.58 |
| | 5 710 | 11.93 | 2.55 | 14.48 | 24.00 | 9.52 |



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| | | | | | | |
|-------------------------|-------|----------|------|-------|-------|-------|
| | 5 755 | 16.37 | 2.55 | 18.92 | 30.00 | 11.08 |
| | 5 795 | 16.04 | 2.55 | 18.59 | 30.00 | 11.41 |
| 802.11ac _VHT40 | 5 190 | 10.55 | 2.46 | 13.01 | 24.00 | 10.99 |
| | 5 230 | 10.92 | 2.46 | 13.38 | 24.00 | 10.62 |
| | 5 270 | 12.79 | 2.46 | 15.25 | 24.00 | 8.75 |
| | 5 310 | 13.26 | 2.46 | 15.72 | 24.00 | 8.28 |
| | 5 510 | 14.31 | 2.46 | 16.77 | 24.00 | 7.23 |
| | 5 590 | 14.59 | 2.46 | 17.05 | 24.00 | 6.95 |
| | 5 670 | 13.86 | 2.46 | 16.32 | 24.00 | 7.68 |
| | 5 710 | 12.95 | 2.46 | 15.41 | 24.00 | 8.59 |
| | 5 755 | 16.71 | 2.46 | 19.17 | 30.00 | 10.83 |
| | 5 795 | 16.06 | 2.46 | 18.52 | 30.00 | 11.48 |
| 802.11ac _VHT80 | 5 210 | 10.67 | 2.35 | 13.02 | 24.00 | 10.98 |
| | 5 290 | 12.62 | 2.35 | 14.97 | 24.00 | 9.03 |
| | 5 530 | 13.98 | 2.35 | 16.33 | 24.00 | 7.67 |
| | 5 610 | 14.21 | 2.35 | 16.56 | 24.00 | 7.44 |
| | 5 690 | 12.90 | 2.35 | 15.25 | 24.00 | 8.75 |
| | 5 775 | 16.39 | 2.35 | 18.74 | 30.00 | 11.26 |
| Measurement uncertainty | | ± 1.5 dB | | | | |



| Test Mode | Frequency (MHz) | Measured Output Power (dBm) | Duty cycle Factor (dB) | Result Output Power (dBm) | Limit (dBm) | Margin (dB) |
|----------------------------|-----------------|-----------------------------|------------------------|---------------------------|-------------|-------------|
| 802.11ax _HE20 _26T | 5 180 | 8.41 | 0.13 | 8.54 | 24.00 | 15.46 |
| | 5 200 | 8.38 | 0.13 | 8.51 | 24.00 | 15.49 |
| | 5 240 | 8.20 | 0.13 | 8.33 | 24.00 | 15.67 |
| | 5 260 | 8.83 | 0.13 | 8.96 | 24.00 | 15.04 |
| | 5 300 | 9.18 | 0.13 | 9.31 | 24.00 | 14.69 |
| | 5 320 | 9.75 | 0.13 | 9.88 | 24.00 | 14.12 |
| | 5 500 | 10.73 | 0.13 | 10.86 | 24.00 | 13.14 |
| | 5 600 | 9.30 | 0.13 | 9.43 | 24.00 | 14.57 |
| | 5 700 | 7.29 | 0.13 | 7.42 | 24.00 | 16.58 |
| | 5 720 | 7.26 | 0.13 | 7.39 | 24.00 | 16.61 |
| | 5 745 | 14.67 | 0.13 | 14.80 | 30.00 | 15.20 |
| | 5 785 | 15.25 | 0.13 | 15.38 | 30.00 | 14.62 |
| | 5 825 | 15.68 | 0.13 | 15.81 | 30.00 | 14.19 |
| 802.11ax _HE20 _52T | 5 180 | 8.18 | 0.12 | 8.30 | 24.00 | 15.70 |
| | 5 200 | 8.37 | 0.12 | 8.49 | 24.00 | 15.51 |
| | 5 240 | 7.53 | 0.12 | 7.65 | 24.00 | 16.35 |
| | 5 260 | 8.50 | 0.12 | 8.62 | 24.00 | 15.38 |
| | 5 300 | 8.92 | 0.12 | 9.04 | 24.00 | 14.96 |
| | 5 320 | 9.73 | 0.12 | 9.85 | 24.00 | 14.15 |
| | 5 500 | 10.72 | 0.12 | 10.84 | 24.00 | 13.16 |
| | 5 600 | 9.24 | 0.12 | 9.36 | 24.00 | 14.64 |
| | 5 700 | 7.20 | 0.12 | 7.32 | 24.00 | 16.68 |
| | 5 720 | 7.23 | 0.12 | 7.35 | 24.00 | 16.65 |
| | 5 745 | 15.26 | 0.12 | 15.38 | 30.00 | 14.62 |
| | 5 785 | 15.05 | 0.12 | 15.17 | 30.00 | 14.83 |
| | 5 825 | 15.57 | 0.12 | 15.69 | 30.00 | 14.31 |
| 802.11ax _HE20 _106T | 5 180 | 8.45 | 0.15 | 8.60 | 24.00 | 15.40 |
| | 5 200 | 8.48 | 0.15 | 8.63 | 24.00 | 15.37 |
| | 5 240 | 8.20 | 0.15 | 8.35 | 24.00 | 15.65 |
| | 5 260 | 8.84 | 0.15 | 8.99 | 24.00 | 15.01 |
| | 5 300 | 9.33 | 0.15 | 9.48 | 24.00 | 14.52 |
| | 5 320 | 9.85 | 0.15 | 10.00 | 24.00 | 14.00 |
| | 5 500 | 10.75 | 0.15 | 10.90 | 24.00 | 13.10 |
| | 5 600 | 9.27 | 0.15 | 9.42 | 24.00 | 14.58 |
| | 5 700 | 7.28 | 0.15 | 7.43 | 24.00 | 16.57 |



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| | | | | | | |
|----------------------------|---------------------------|-------|------|-------|-------|-------|
| | 5 720 | 7.28 | 0.15 | 7.43 | 24.00 | 16.57 |
| | 5 745 | 15.07 | 0.15 | 15.22 | 30.00 | 14.78 |
| | 5 785 | 14.81 | 0.15 | 14.96 | 30.00 | 15.04 |
| | 5 825 | 15.39 | 0.15 | 15.54 | 30.00 | 14.46 |
| 802.11ax _HE20 _242T | 5 180 | 8.25 | 0.29 | 8.54 | 24.00 | 15.46 |
| | 5 200 | 8.43 | 0.29 | 8.72 | 24.00 | 15.28 |
| | 5 240 | 8.00 | 0.29 | 8.29 | 24.00 | 15.71 |
| | 5 260 | 8.70 | 0.29 | 8.99 | 24.00 | 15.01 |
| | 5 300 | 9.36 | 0.29 | 9.65 | 24.00 | 14.35 |
| | 5 320 | 9.81 | 0.29 | 10.10 | 24.00 | 13.90 |
| | 5 500 | 10.71 | 0.29 | 11.00 | 24.00 | 13.00 |
| | 5 600 | 9.05 | 0.29 | 9.34 | 24.00 | 14.66 |
| | 5 700 | 7.15 | 0.29 | 7.44 | 24.00 | 16.56 |
| | 5 720 | 7.29 | 0.29 | 7.58 | 24.00 | 16.42 |
| | 5 745 | 14.56 | 0.29 | 14.85 | 30.00 | 15.15 |
| | 5 785 | 15.08 | 0.29 | 15.37 | 30.00 | 14.63 |
| | 5 825 | 15.69 | 0.29 | 15.98 | 30.00 | 14.02 |
| | 802.11ax _HE40 _26T | 5 190 | 8.12 | 0.13 | 8.25 | 24.00 |
| 5 230 | | 8.33 | 0.13 | 8.46 | 24.00 | 15.54 |
| 5 270 | | 11.13 | 0.13 | 11.26 | 24.00 | 12.74 |
| 5 310 | | 11.31 | 0.13 | 11.44 | 24.00 | 12.56 |
| 5 510 | | 13.14 | 0.13 | 13.27 | 24.00 | 10.73 |
| 5 590 | | 12.88 | 0.13 | 13.01 | 24.00 | 10.99 |
| 5 670 | | 10.61 | 0.13 | 10.74 | 24.00 | 13.26 |
| 5 710 | | 9.71 | 0.13 | 9.84 | 24.00 | 14.16 |
| 5 755 | | 17.35 | 0.13 | 17.48 | 30.00 | 12.52 |
| 5 795 | | 16.19 | 0.13 | 16.32 | 30.00 | 13.68 |
| 802.11ax _HE40 _52T | 5 190 | 8.28 | 0.12 | 8.40 | 24.00 | 15.60 |
| | 5 230 | 8.45 | 0.12 | 8.57 | 24.00 | 15.43 |
| | 5 270 | 11.28 | 0.12 | 11.40 | 24.00 | 12.60 |
| | 5 310 | 11.42 | 0.12 | 11.54 | 24.00 | 12.46 |
| | 5 510 | 13.68 | 0.12 | 13.80 | 24.00 | 10.20 |
| | 5 590 | 12.67 | 0.12 | 12.79 | 24.00 | 11.21 |
| | 5 670 | 11.22 | 0.12 | 11.34 | 24.00 | 12.66 |
| | 5 710 | 9.96 | 0.12 | 10.08 | 24.00 | 13.92 |
| | 5 755 | 15.46 | 0.12 | 15.58 | 30.00 | 14.42 |
| | 5 795 | 15.14 | 0.12 | 15.26 | 30.00 | 14.74 |



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|----------------------------|-------|-------|------|-------|-------|-------|
| 802.11ax _HE40 _106T | 5 190 | 8.51 | 0.15 | 8.66 | 24.00 | 15.34 |
| | 5 230 | 8.58 | 0.15 | 8.73 | 24.00 | 15.27 |
| | 5 270 | 11.60 | 0.15 | 11.75 | 24.00 | 12.25 |
| | 5 310 | 12.10 | 0.15 | 12.25 | 24.00 | 11.75 |
| | 5 510 | 13.83 | 0.15 | 13.98 | 24.00 | 10.02 |
| | 5 590 | 13.10 | 0.15 | 13.25 | 24.00 | 10.75 |
| | 5 670 | 11.24 | 0.15 | 11.39 | 24.00 | 12.61 |
| | 5 710 | 10.12 | 0.15 | 10.27 | 24.00 | 13.73 |
| | 5 755 | 15.80 | 0.15 | 15.95 | 30.00 | 14.05 |
| | 5 795 | 16.49 | 0.15 | 16.64 | 30.00 | 13.36 |
| 802.11ax _HE40 _242T | 5 190 | 8.61 | 0.29 | 8.90 | 24.00 | 15.10 |
| | 5 230 | 8.70 | 0.29 | 8.99 | 24.00 | 15.01 |
| | 5 270 | 11.30 | 0.29 | 11.59 | 24.00 | 12.41 |
| | 5 310 | 11.75 | 0.29 | 12.04 | 24.00 | 11.96 |
| | 5 510 | 13.93 | 0.29 | 14.22 | 24.00 | 9.78 |
| | 5 590 | 13.26 | 0.29 | 13.55 | 24.00 | 10.45 |
| | 5 670 | 11.49 | 0.29 | 11.78 | 24.00 | 12.22 |
| | 5 710 | 10.43 | 0.29 | 10.72 | 24.00 | 13.28 |
| | 5 755 | 17.57 | 0.29 | 17.86 | 30.00 | 12.14 |
| | 5 795 | 16.21 | 0.29 | 16.50 | 30.00 | 13.50 |
| 802.11ax _HE40 _484T | 5 190 | 9.05 | 0.49 | 9.54 | 24.00 | 14.46 |
| | 5 230 | 8.71 | 0.49 | 9.20 | 24.00 | 14.80 |
| | 5 270 | 11.76 | 0.49 | 12.25 | 24.00 | 11.75 |
| | 5 310 | 12.56 | 0.49 | 13.05 | 24.00 | 10.95 |
| | 5 510 | 14.12 | 0.49 | 14.61 | 24.00 | 9.39 |
| | 5 590 | 13.06 | 0.49 | 13.55 | 24.00 | 10.45 |
| | 5 670 | 11.38 | 0.49 | 11.87 | 24.00 | 12.13 |
| | 5 710 | 10.55 | 0.49 | 11.04 | 24.00 | 12.96 |
| | 5 755 | 16.75 | 0.49 | 17.24 | 30.00 | 12.76 |
| | 5 795 | 15.52 | 0.49 | 16.01 | 30.00 | 13.99 |



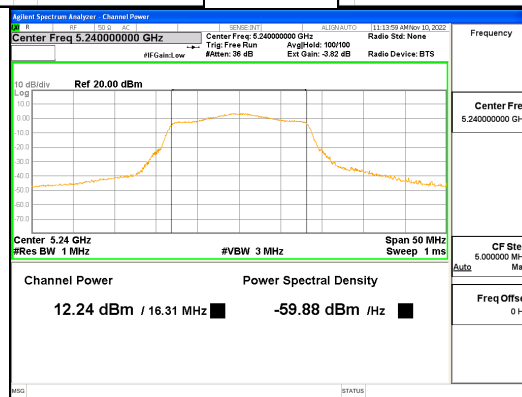
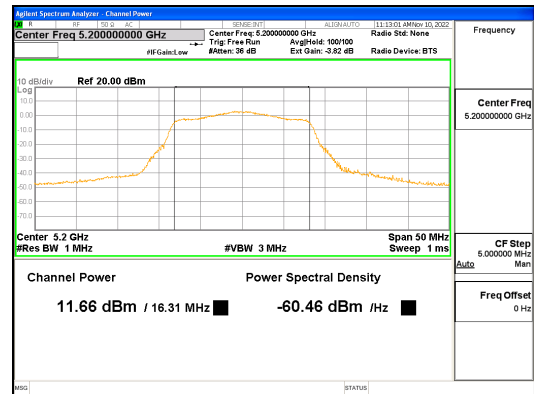
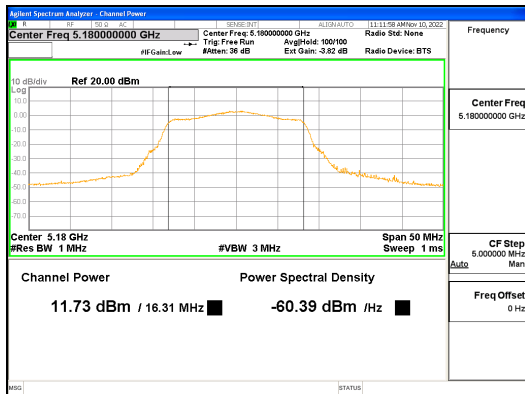
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|----------------------------|-------|----------|------|-------|-------|-------|
| 802.11ax _HE80 _26T | 5 210 | 8.03 | 0.14 | 8.17 | 24.00 | 15.83 |
| | 5 290 | 11.14 | 0.14 | 11.28 | 24.00 | 12.72 |
| | 5 530 | 11.36 | 0.14 | 11.50 | 24.00 | 12.50 |
| | 5 610 | 10.90 | 0.14 | 11.04 | 24.00 | 12.96 |
| | 5 690 | 9.28 | 0.14 | 9.42 | 24.00 | 14.58 |
| | 5 775 | 13.48 | 0.14 | 13.62 | 30.00 | 16.38 |
| 802.11ax _HE80 _52T | 5 210 | 7.81 | 0.12 | 7.93 | 24.00 | 16.07 |
| | 5 290 | 10.88 | 0.12 | 11.00 | 24.00 | 13.00 |
| | 5 530 | 11.45 | 0.12 | 11.57 | 24.00 | 12.43 |
| | 5 610 | 10.67 | 0.12 | 10.79 | 24.00 | 13.21 |
| | 5 690 | 9.61 | 0.12 | 9.73 | 24.00 | 14.27 |
| | 5 775 | 12.76 | 0.12 | 12.88 | 30.00 | 17.12 |
| 802.11ax _HE80 _106T | 5 210 | 8.52 | 0.20 | 8.72 | 24.00 | 15.28 |
| | 5 290 | 11.15 | 0.20 | 11.35 | 24.00 | 12.65 |
| | 5 530 | 11.93 | 0.20 | 12.13 | 24.00 | 11.87 |
| | 5 610 | 11.04 | 0.20 | 11.24 | 24.00 | 12.76 |
| | 5 690 | 9.13 | 0.20 | 9.33 | 24.00 | 14.67 |
| | 5 775 | 13.35 | 0.20 | 13.55 | 30.00 | 16.45 |
| 802.11ax _HE80 _242T | 5 210 | 8.51 | 0.34 | 8.85 | 24.00 | 15.15 |
| | 5 290 | 10.38 | 0.34 | 10.72 | 24.00 | 13.28 |
| | 5 530 | 12.15 | 0.34 | 12.49 | 24.00 | 11.51 |
| | 5 610 | 10.95 | 0.34 | 11.29 | 24.00 | 12.71 |
| | 5 690 | 9.36 | 0.34 | 9.70 | 24.00 | 14.30 |
| | 5 775 | 13.26 | 0.34 | 13.60 | 30.00 | 16.40 |
| 802.11ax _HE80 _484T | 5 210 | 8.69 | 0.27 | 8.96 | 24.00 | 15.04 |
| | 5 290 | 11.38 | 0.27 | 11.65 | 24.00 | 12.35 |
| | 5 530 | 12.39 | 0.27 | 12.66 | 24.00 | 11.34 |
| | 5 610 | 10.93 | 0.27 | 11.20 | 24.00 | 12.80 |
| | 5 690 | 9.58 | 0.27 | 9.85 | 24.00 | 14.15 |
| | 5 775 | 13.25 | 0.27 | 13.52 | 30.00 | 16.48 |
| 802.11ax _HE80 _996T | 5 210 | 8.56 | 0.77 | 9.33 | 24.00 | 14.67 |
| | 5 290 | 11.51 | 0.77 | 12.28 | 24.00 | 11.72 |
| | 5 530 | 12.19 | 0.77 | 12.96 | 24.00 | 11.04 |
| | 5 610 | 10.55 | 0.77 | 11.32 | 24.00 | 12.68 |
| | 5 690 | 9.30 | 0.77 | 10.07 | 24.00 | 13.93 |
| | 5 775 | 12.96 | 0.77 | 13.73 | 30.00 | 16.27 |
| Measurement uncertainty | | ± 1.5 dB | | | | |

See next pages for actual measured spectrum plots.

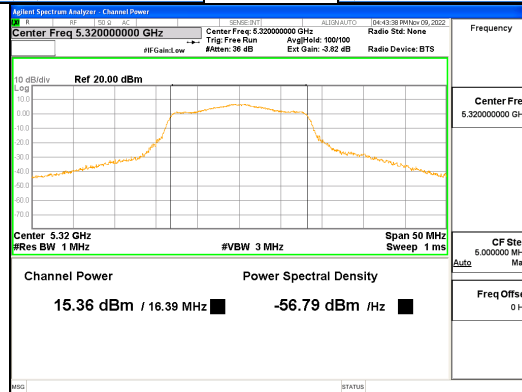
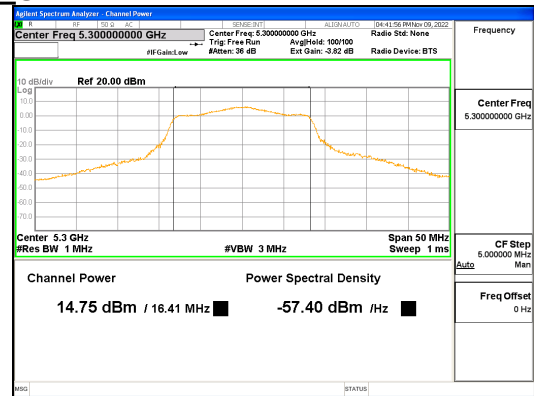
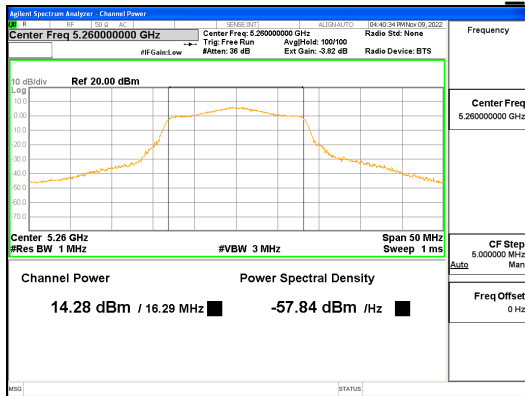


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ANT1_802.11a_UNII 1

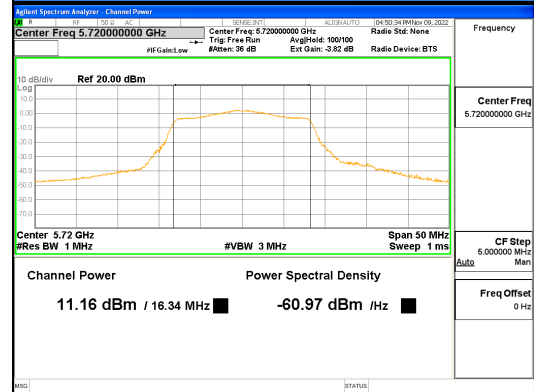
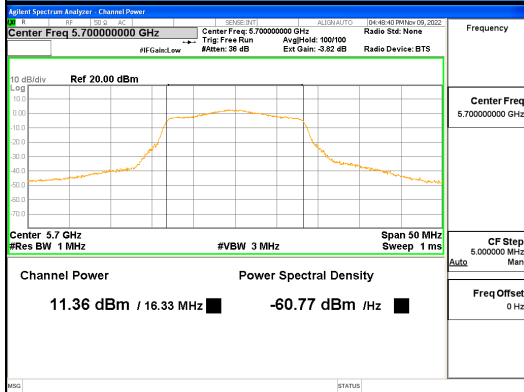
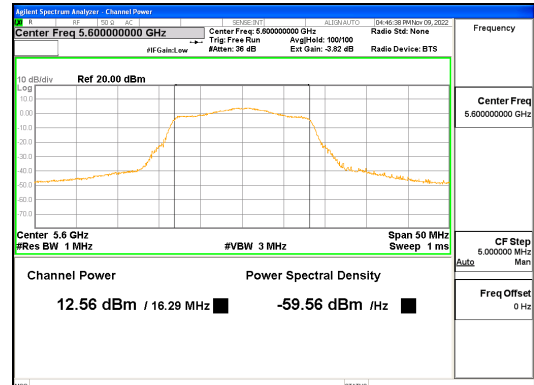
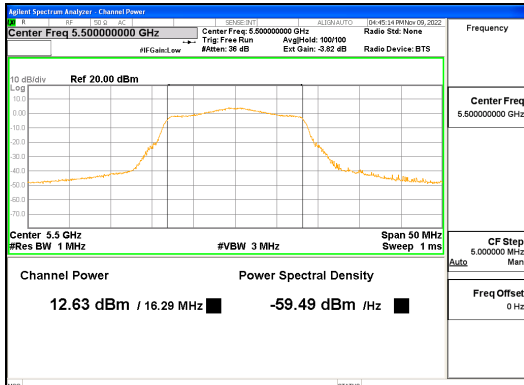


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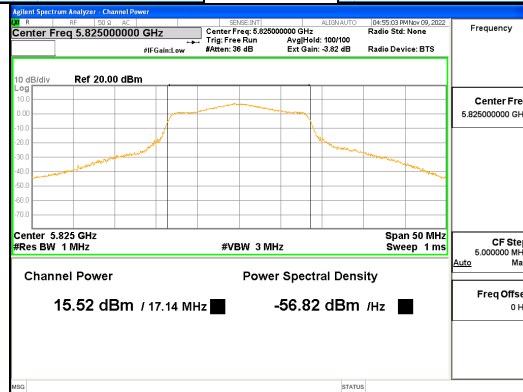
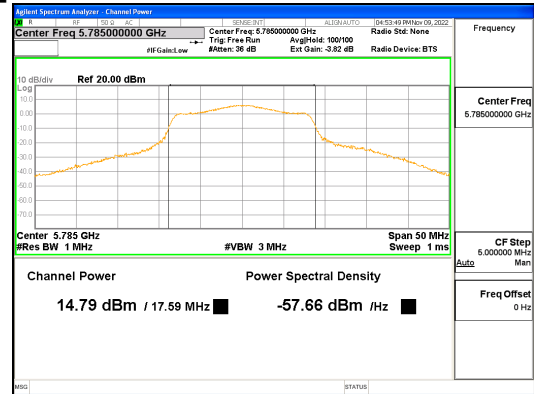
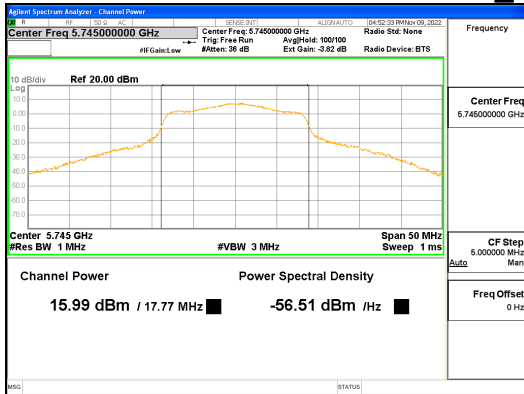


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ANT1_802.11a_UNII 2C

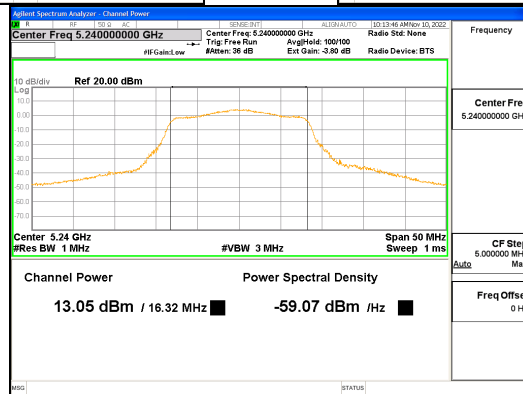
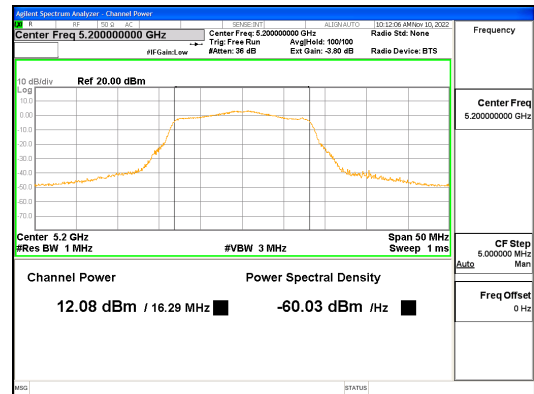
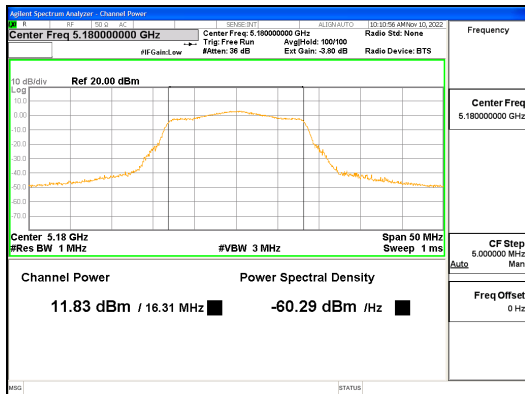


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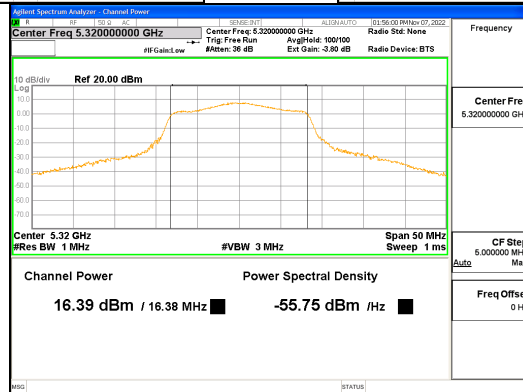
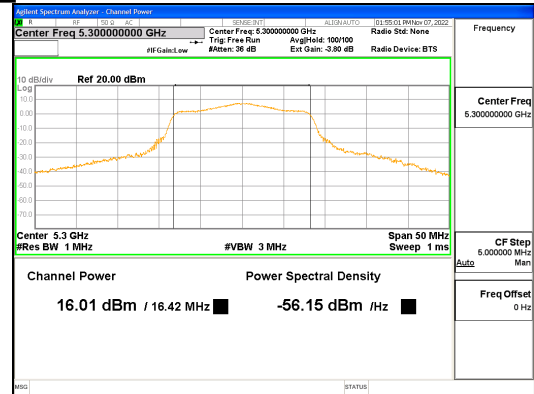
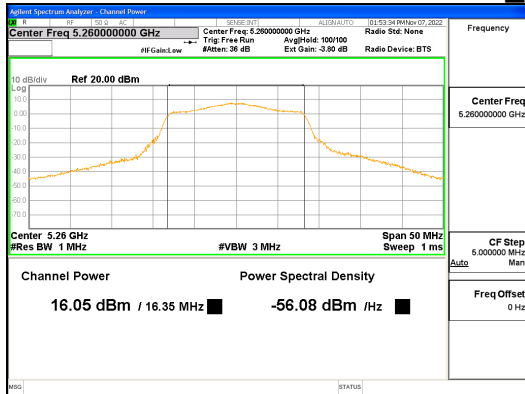


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ANT2_802.11a_UNII 1

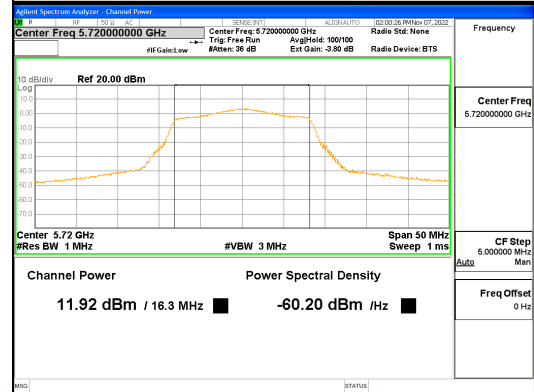
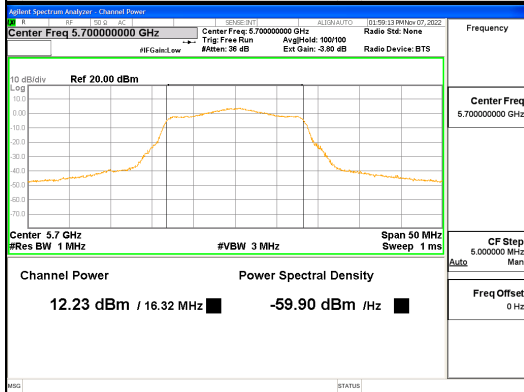
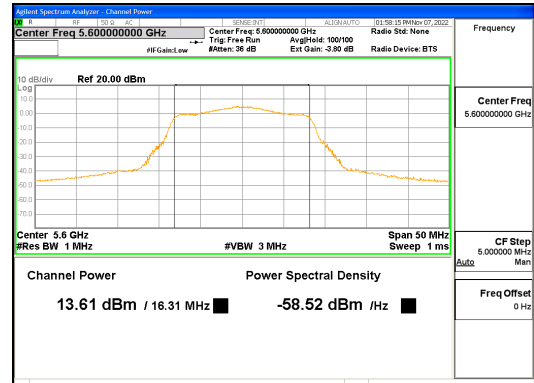
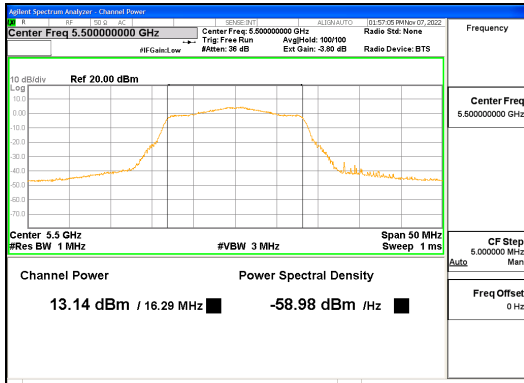


ANT2_802.11a_UNII 2A

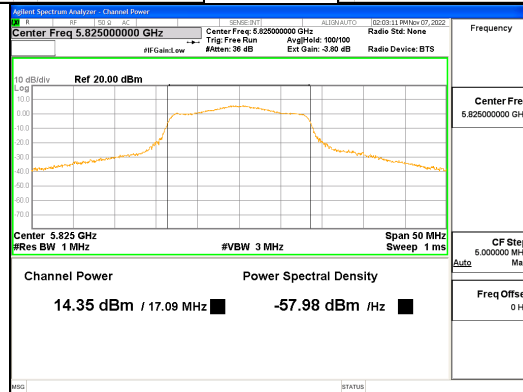
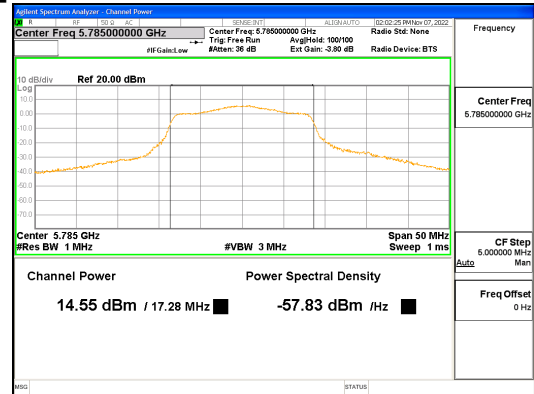
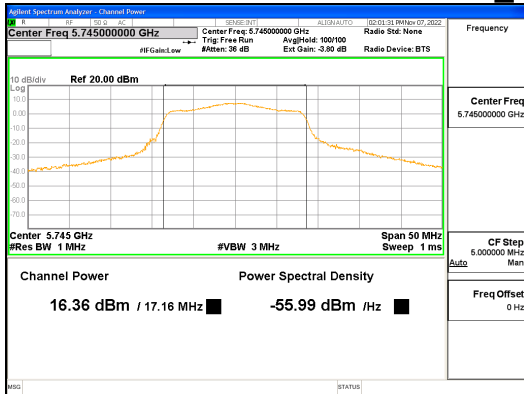


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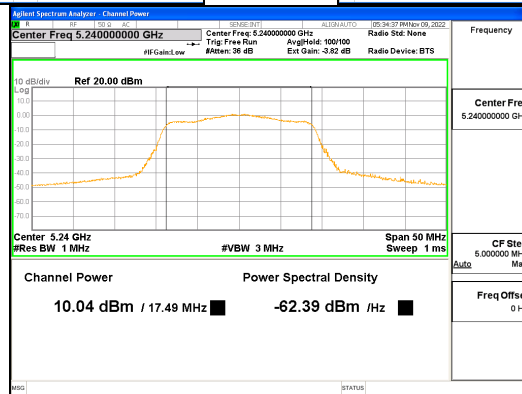
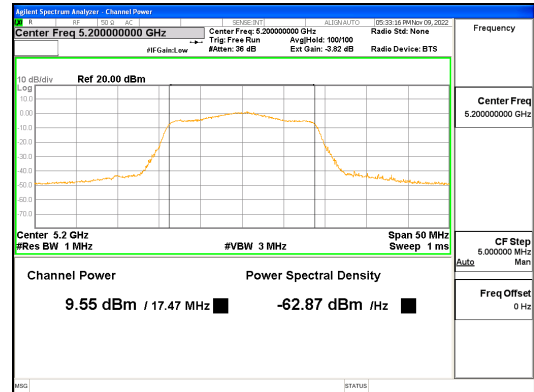
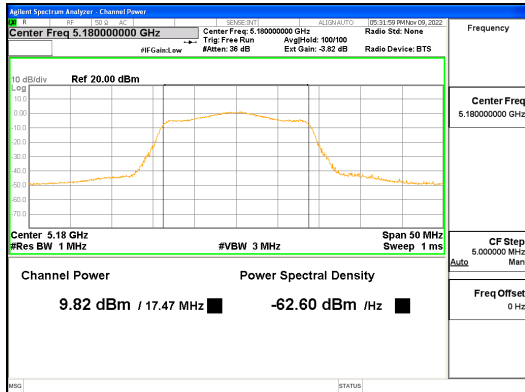


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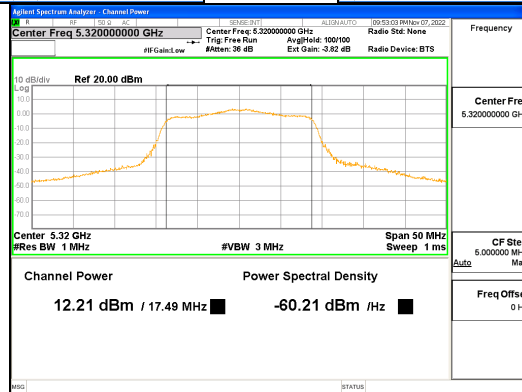
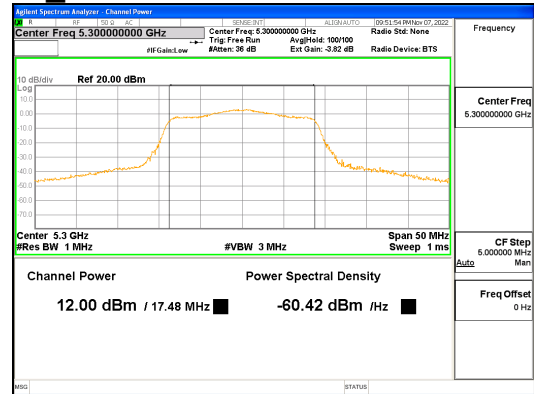
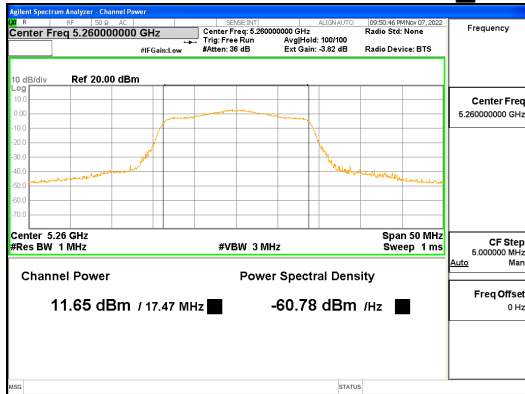


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ANT1_802.11n_HT20_UNII 1

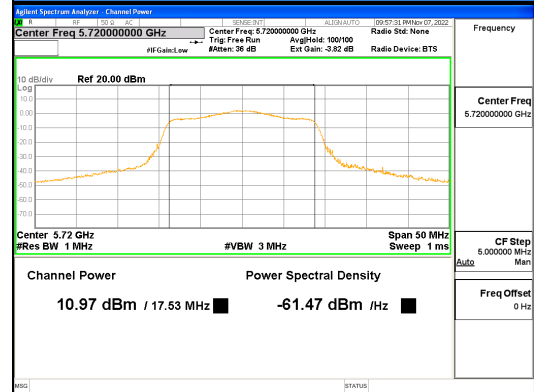
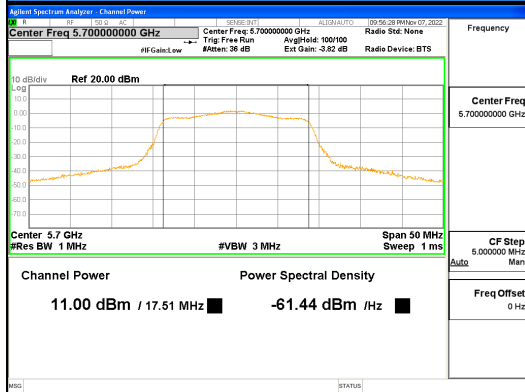
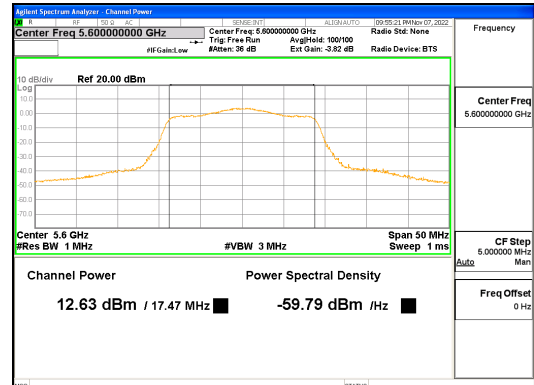
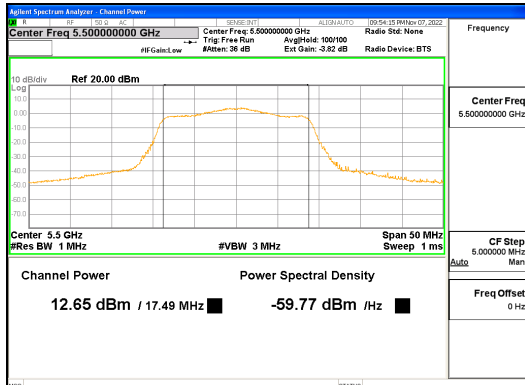


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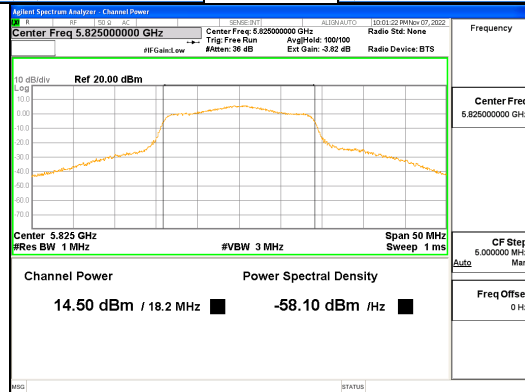
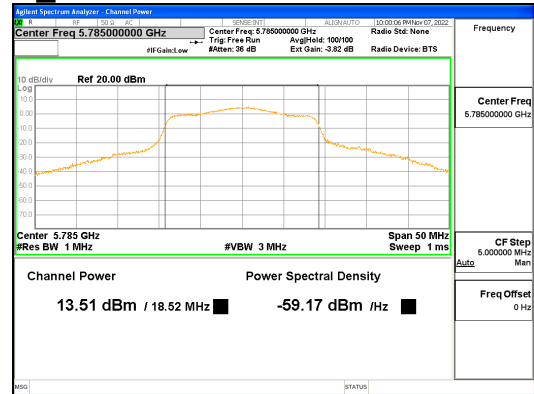
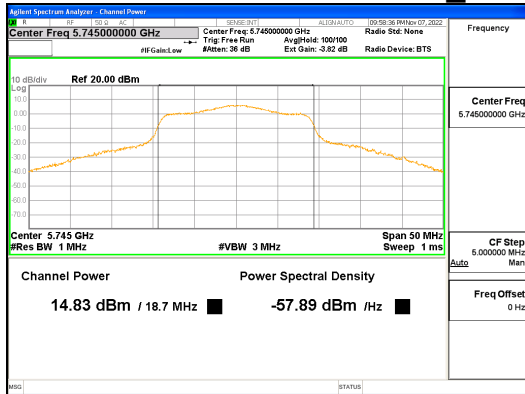


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