

Appendix

Test Data

for BTEK241111036A01E04

Start date	2024/12/3	Finish date	2024/12/3
Temperature	22.5℃	Humidity	49%
RF specifications	5.8G WIFI	Test Engineer	Zora



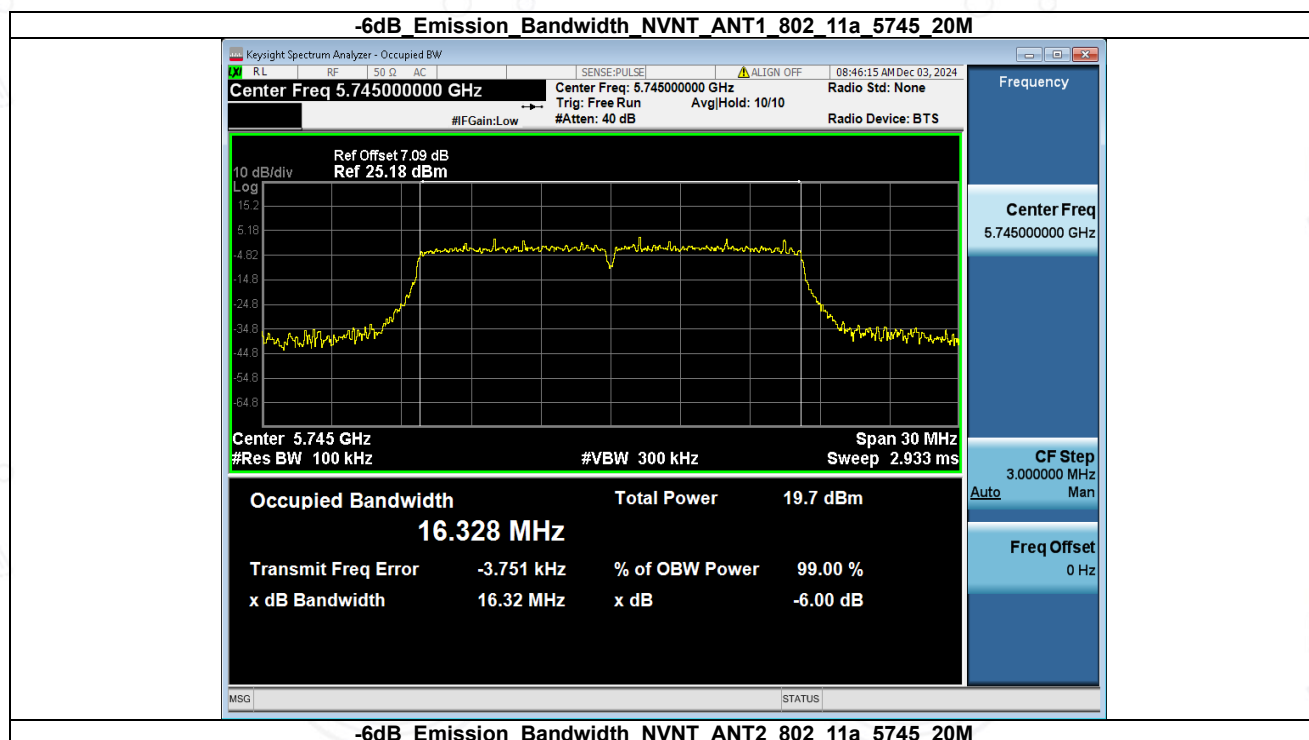
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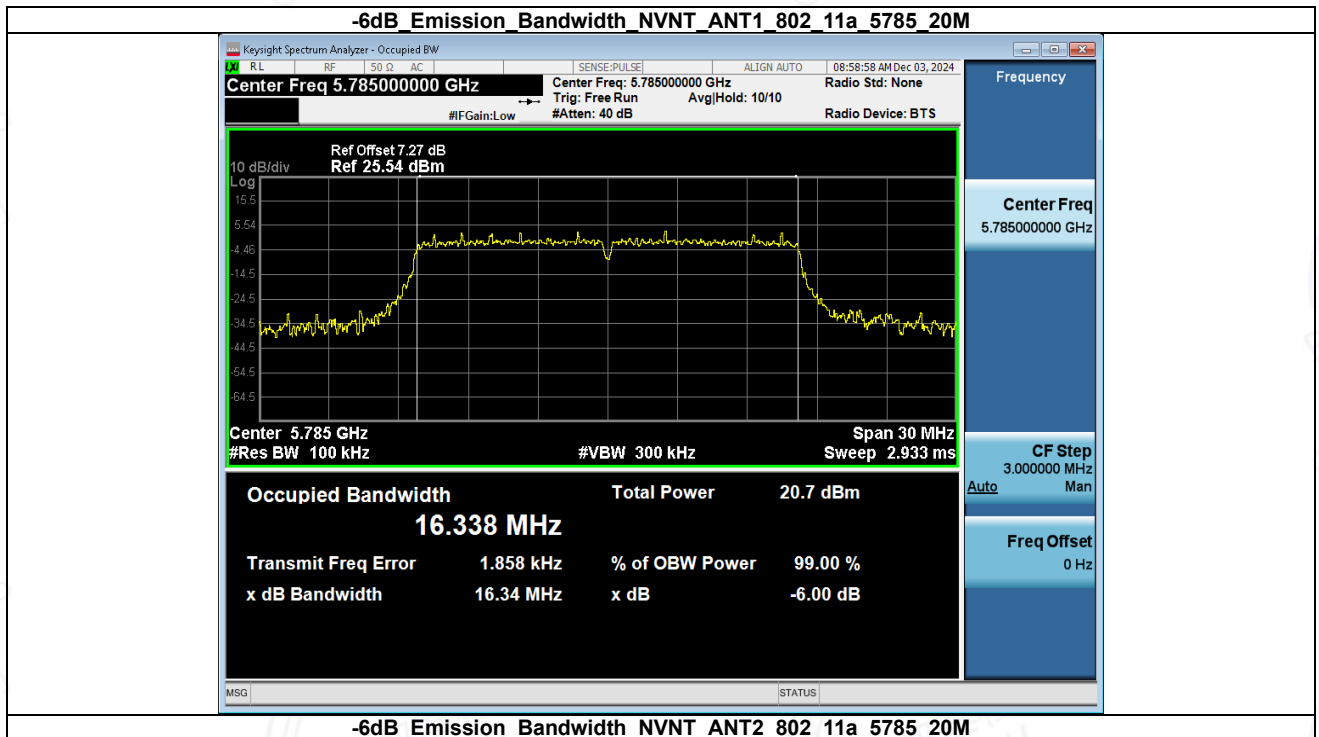
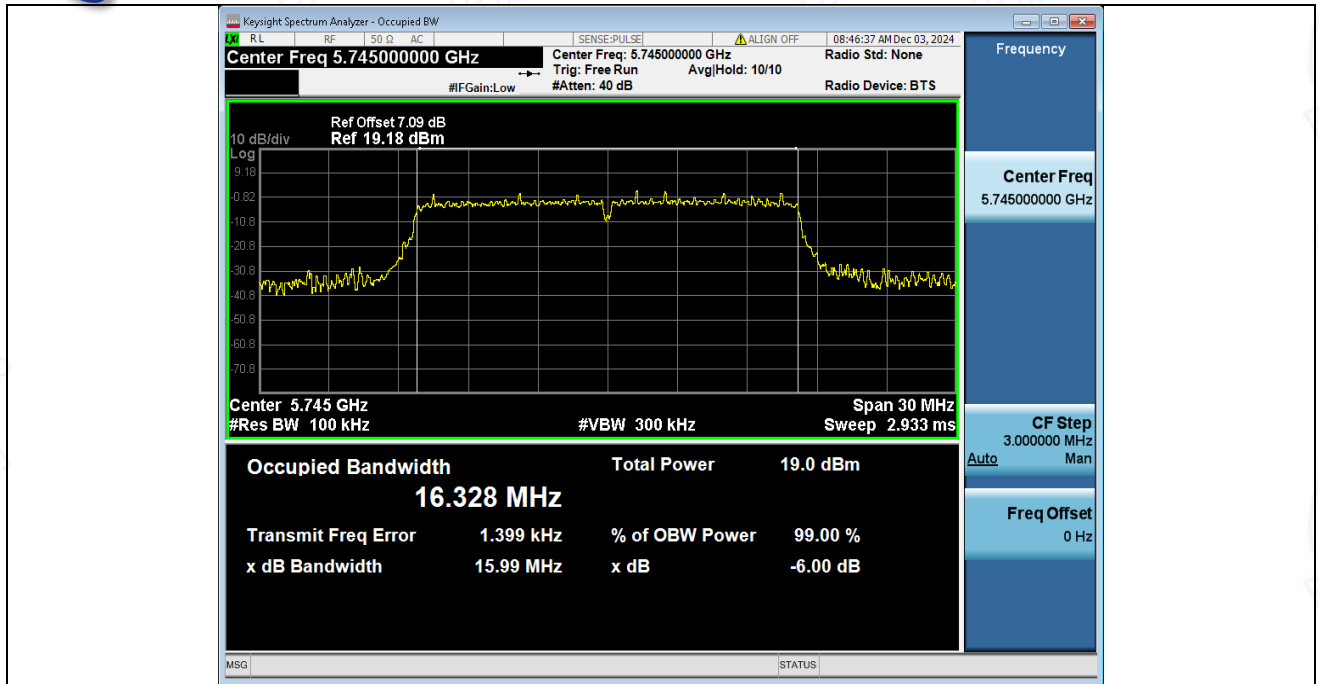
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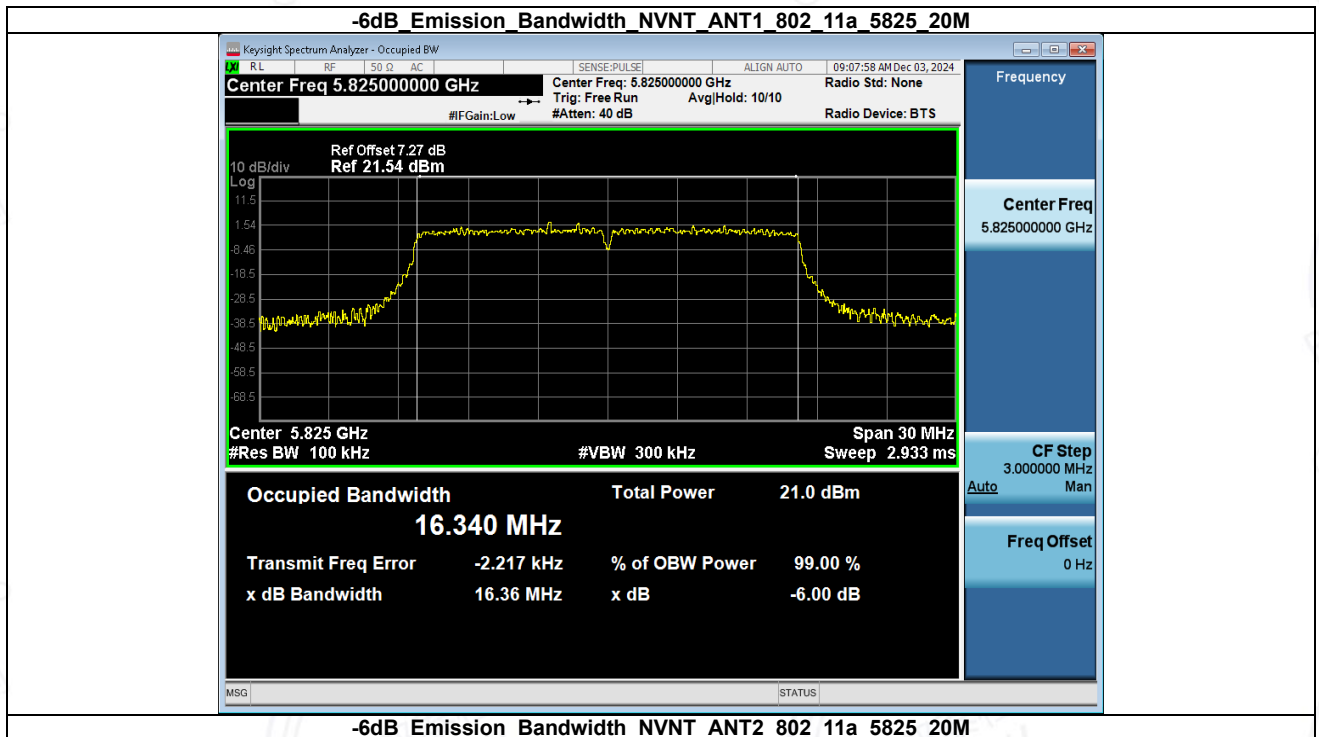


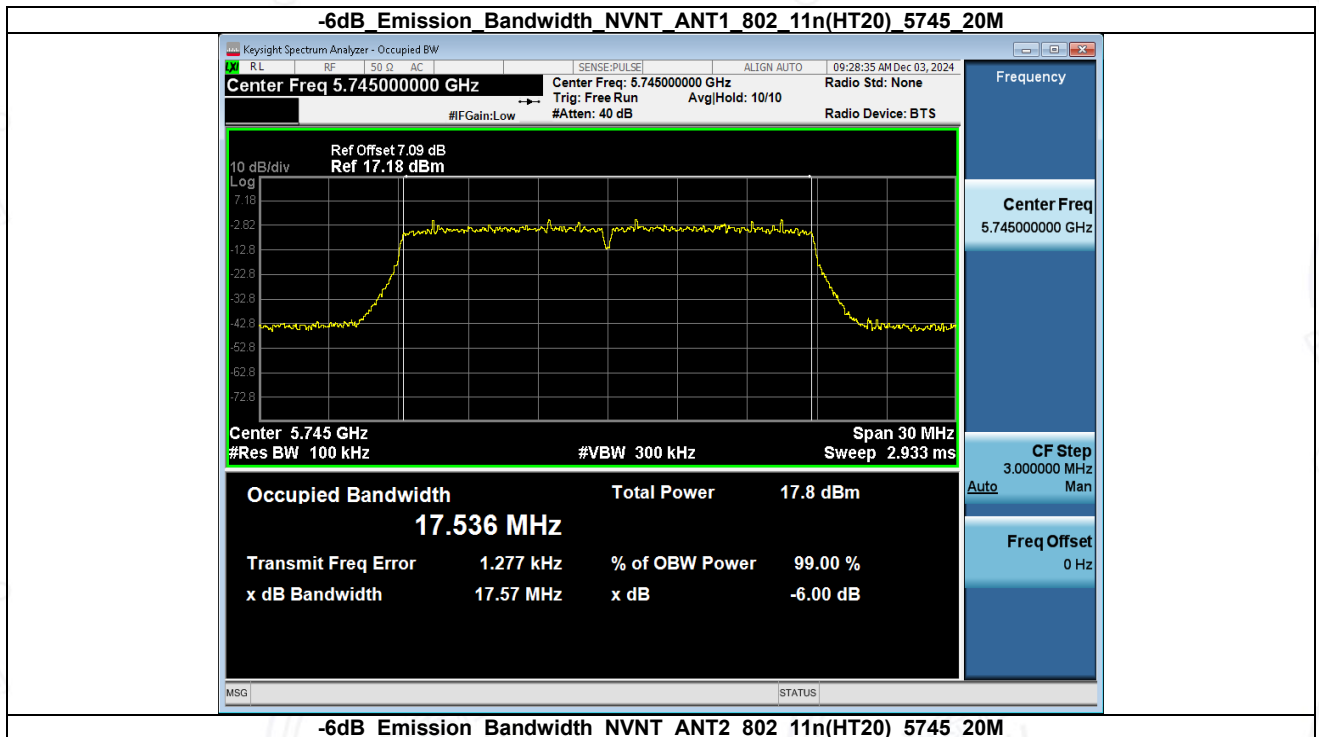
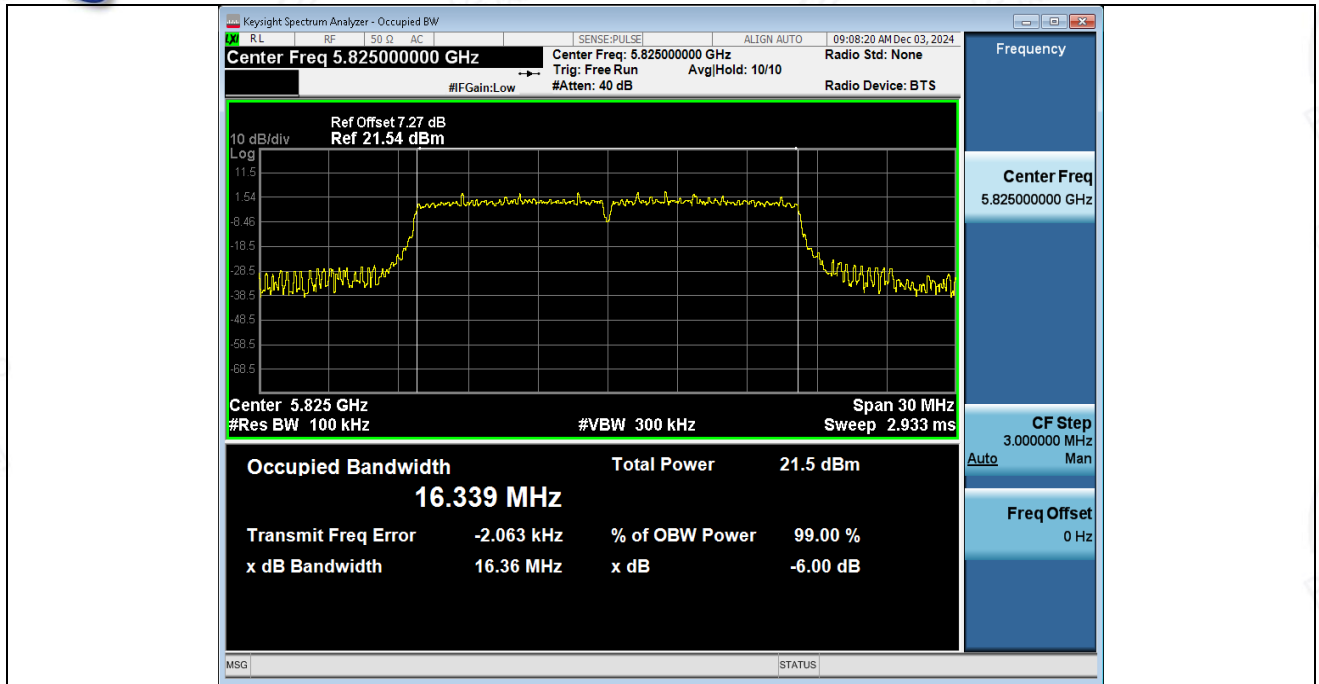
1. -6dB Emission Bandwidth

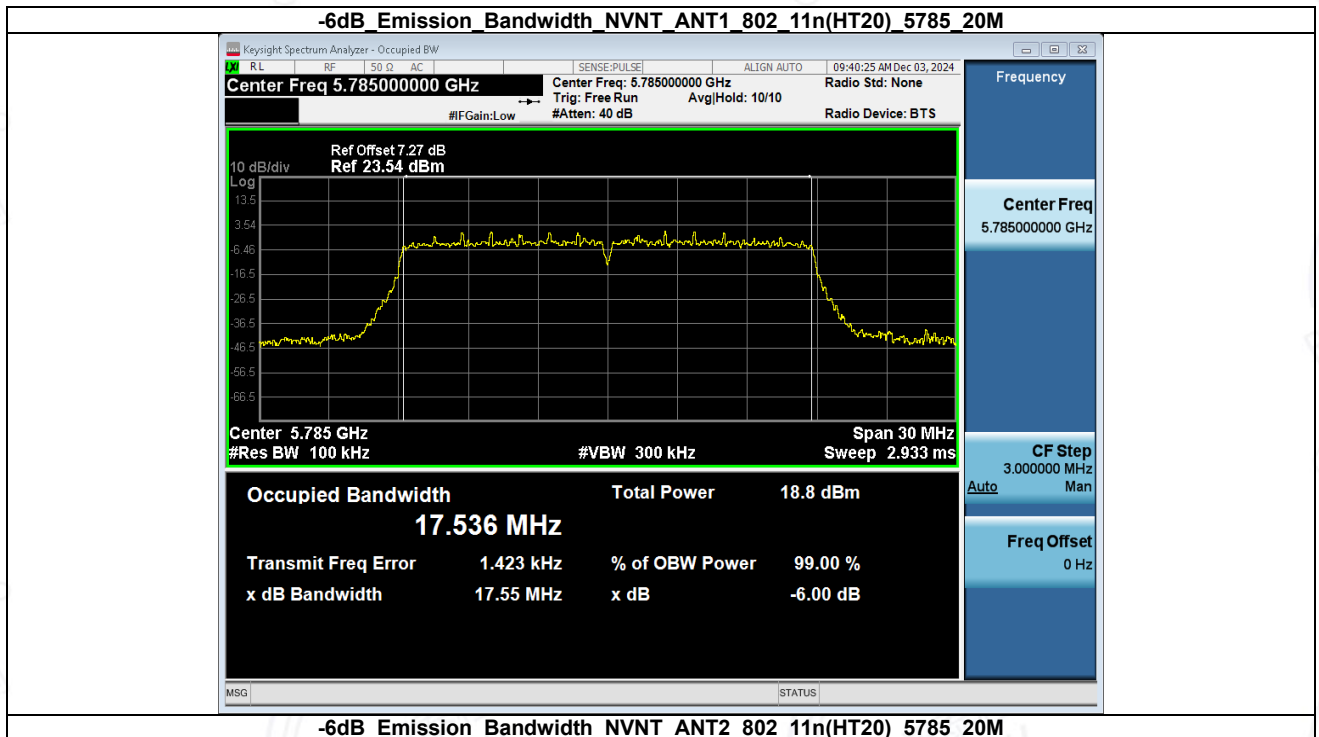
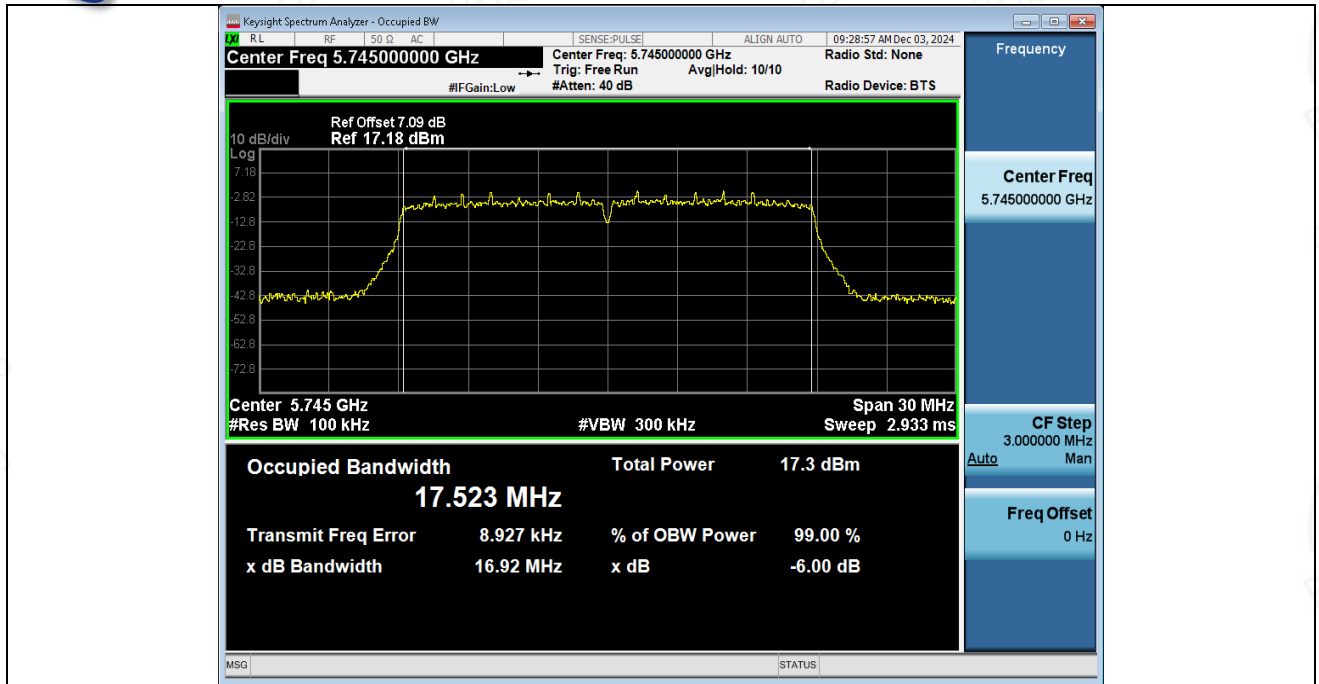
Condition	Antenna	Mode	Frequency(MHz)	-6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	802.11a	5745.00	16.320	0.500	Pass
NVNT	ANT2	802.11a	5745.00	15.988	0.500	Pass
NVNT	ANT1	802.11a	5785.00	16.337	0.500	Pass
NVNT	ANT2	802.11a	5785.00	16.353	0.500	Pass
NVNT	ANT1	802.11a	5825.00	16.361	0.500	Pass
NVNT	ANT2	802.11a	5825.00	16.355	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	17.570	0.500	Pass
NVNT	ANT2	802.11n(HT20)	5745.00	16.922	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	17.549	0.500	Pass
NVNT	ANT2	802.11n(HT20)	5785.00	17.587	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	17.582	0.500	Pass
NVNT	ANT2	802.11n(HT20)	5825.00	17.547	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	17.209	0.500	Pass
NVNT	ANT2	802.11ac(VHT20)	5745.00	17.176	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	17.561	0.500	Pass
NVNT	ANT2	802.11ac(VHT20)	5785.00	17.301	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	17.548	0.500	Pass
NVNT	ANT2	802.11ac(VHT20)	5825.00	17.126	0.500	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	35.162	0.500	Pass
NVNT	ANT2	802.11n(HT40)	5755.00	35.180	0.500	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	34.510	0.500	Pass
NVNT	ANT2	802.11n(HT40)	5795.00	35.068	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	35.408	0.500	Pass
NVNT	ANT2	802.11ac(VHT40)	5755.00	35.352	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	35.178	0.500	Pass
NVNT	ANT2	802.11ac(VHT40)	5795.00	33.960	0.500	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	73.795	0.500	Pass
NVNT	ANT2	802.11ac(VHT80)	5775.00	70.161	0.500	Pass

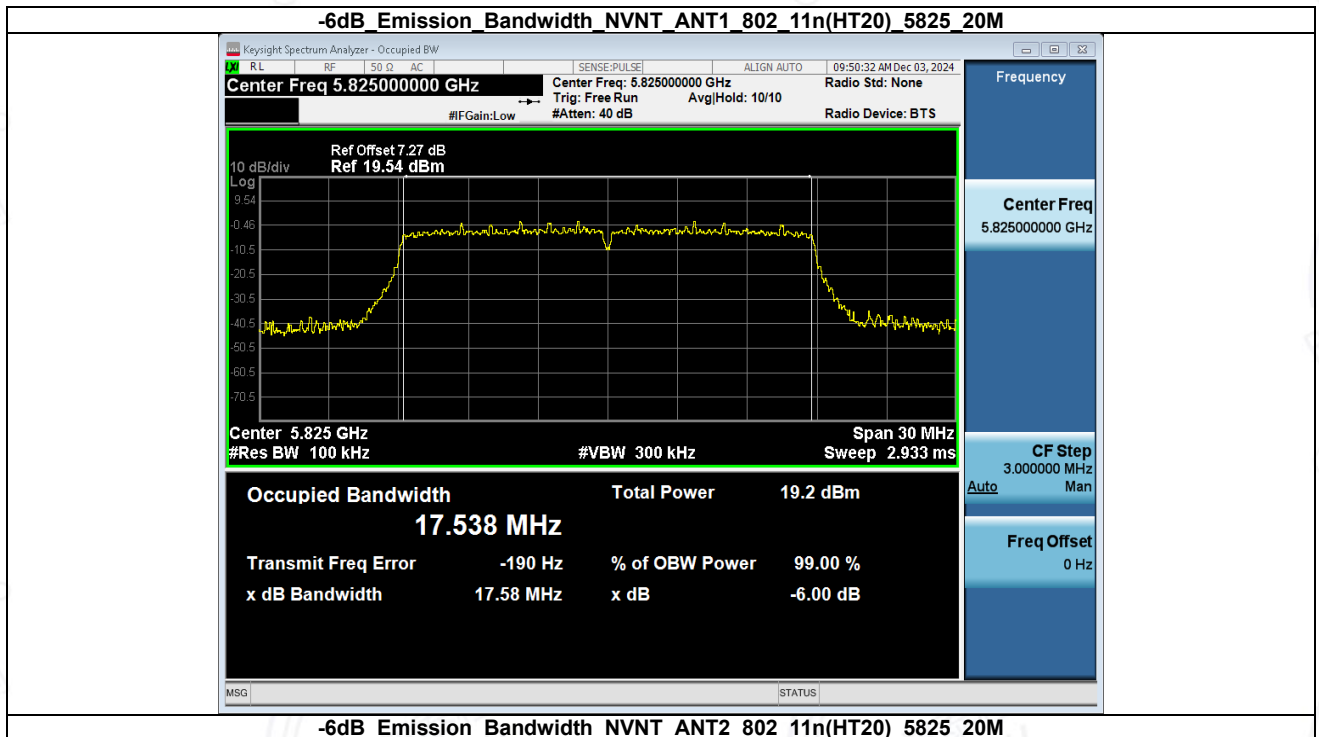
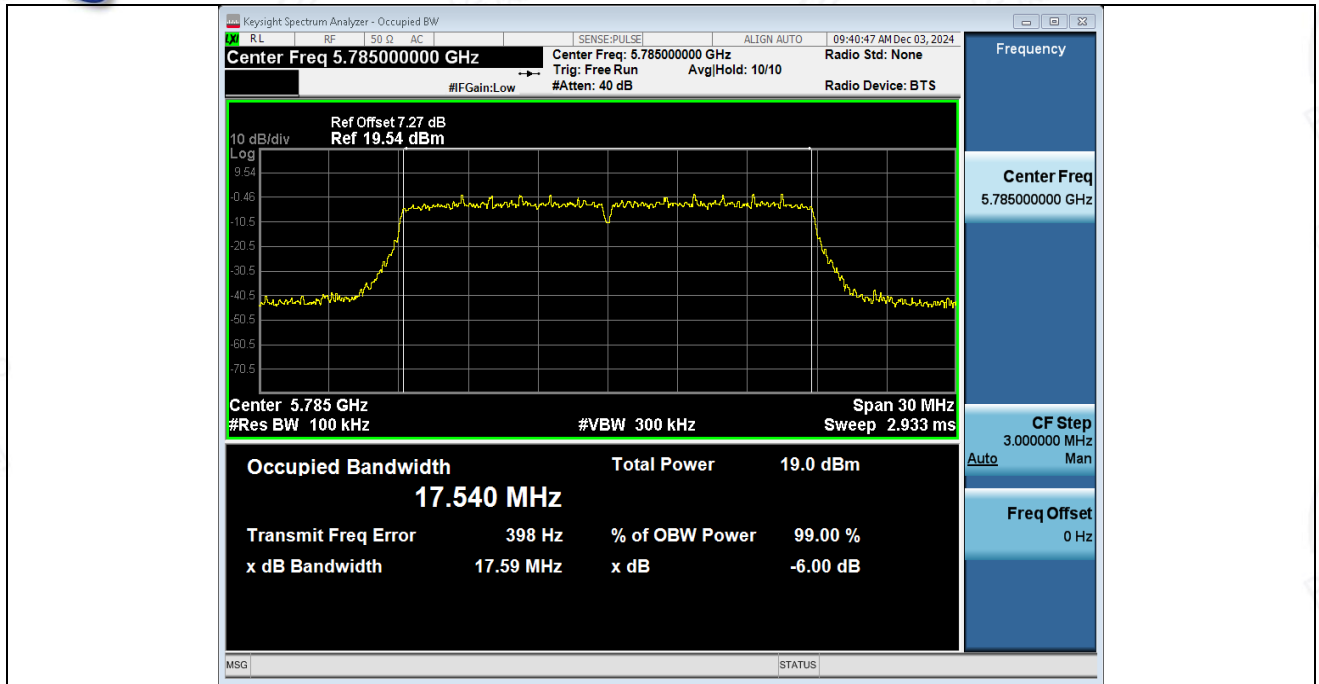


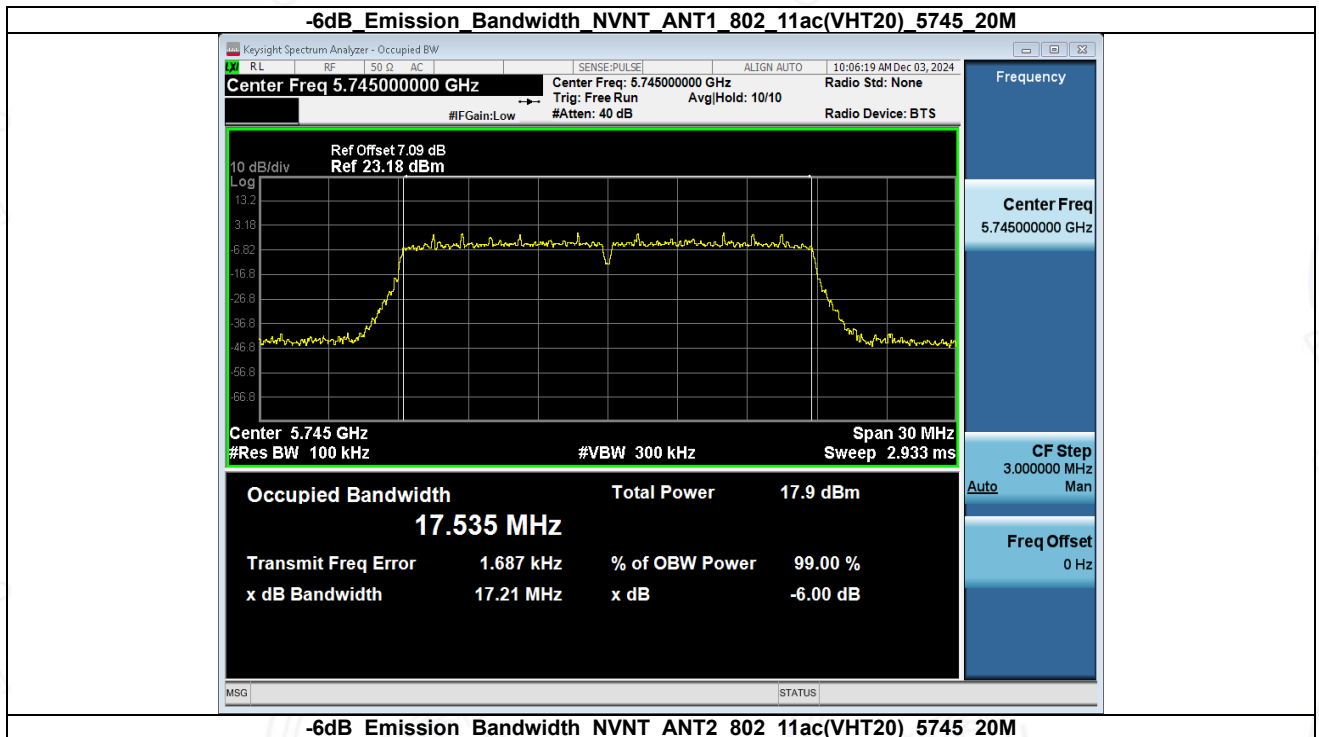
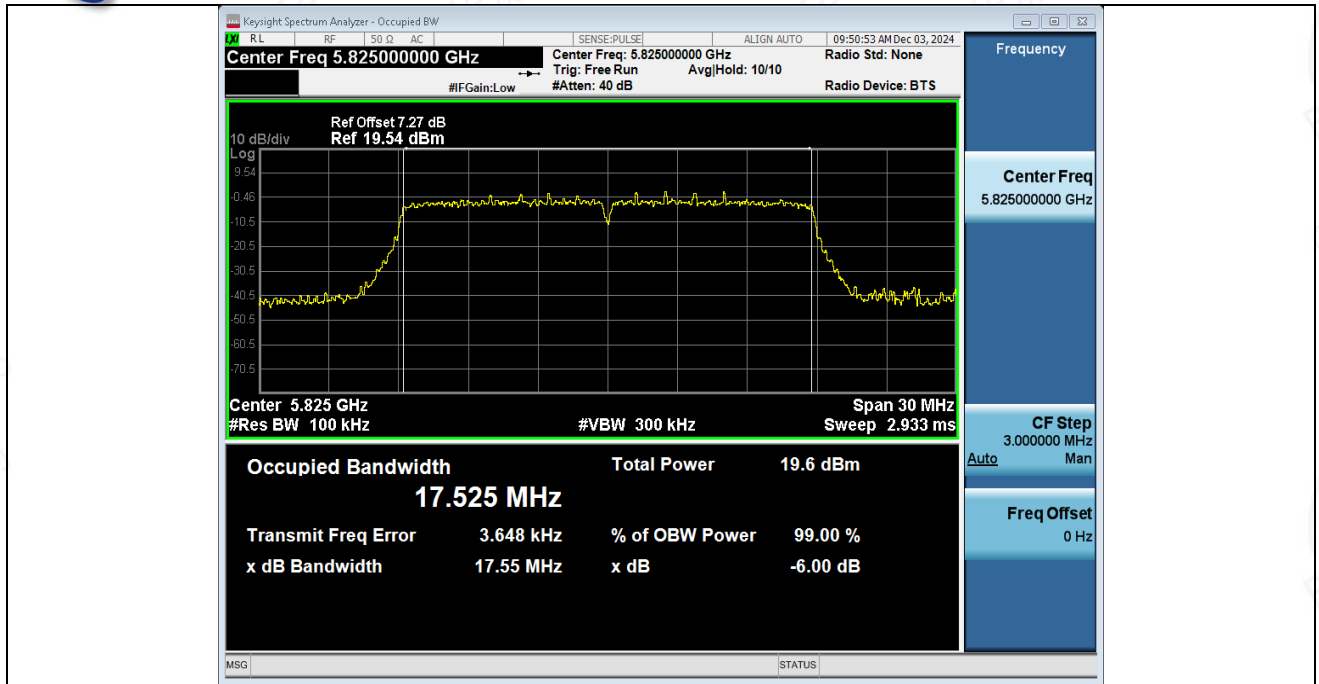


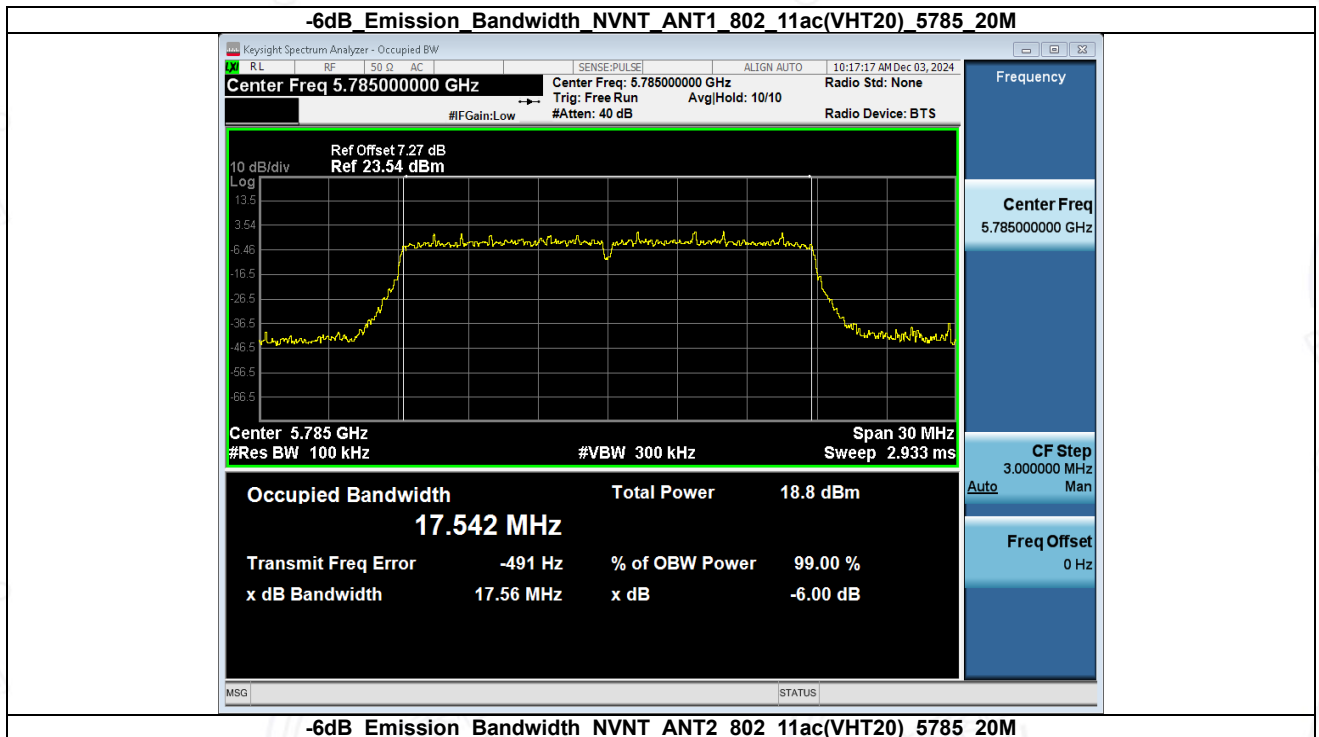
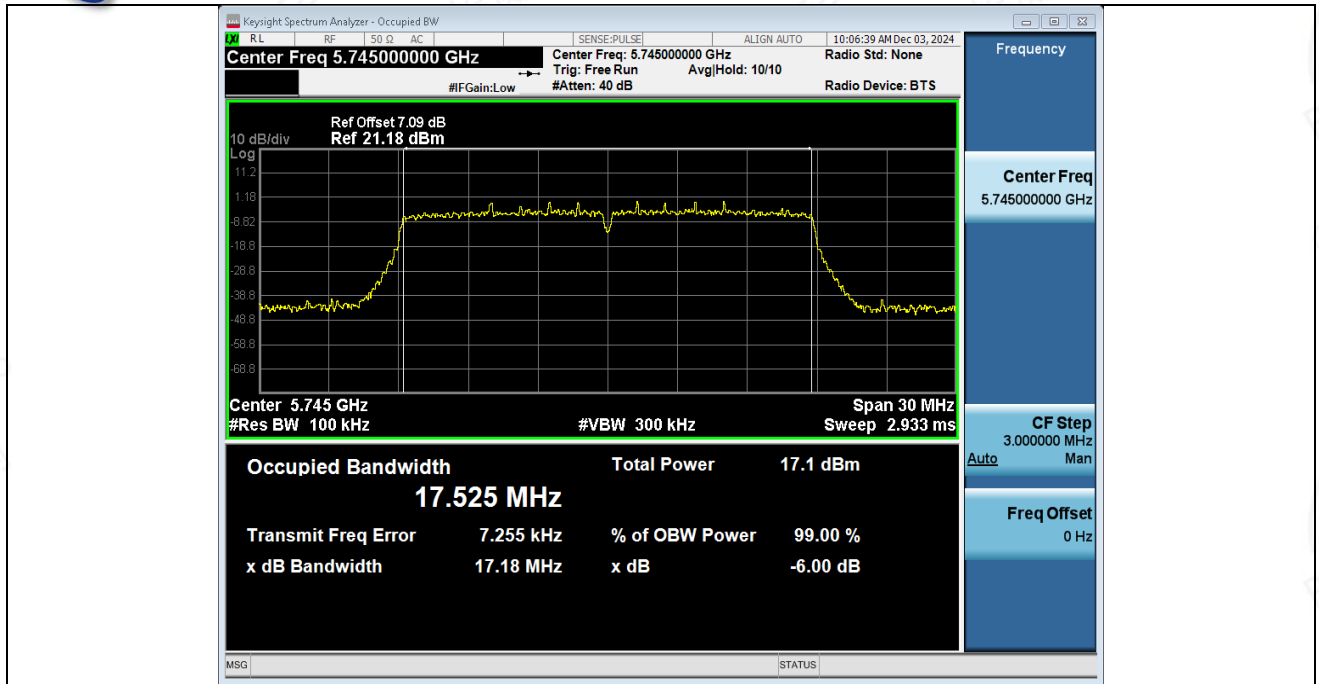


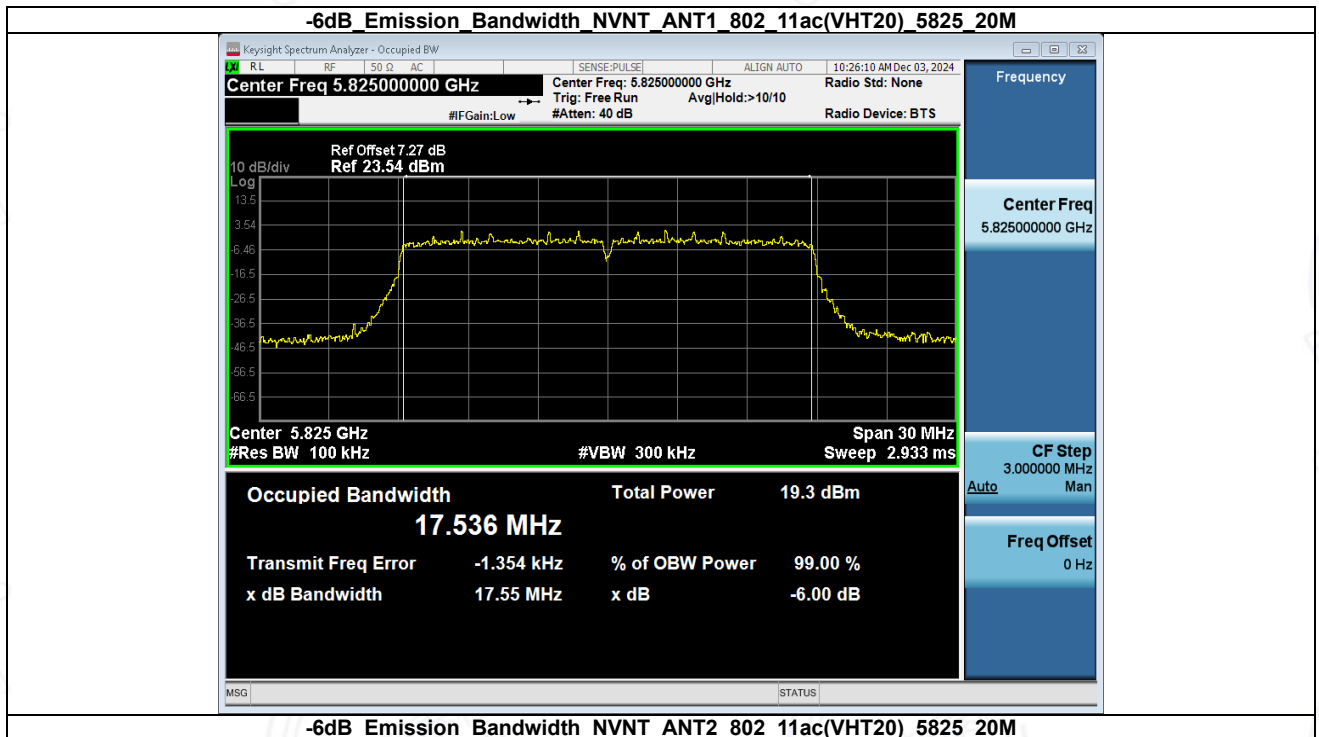
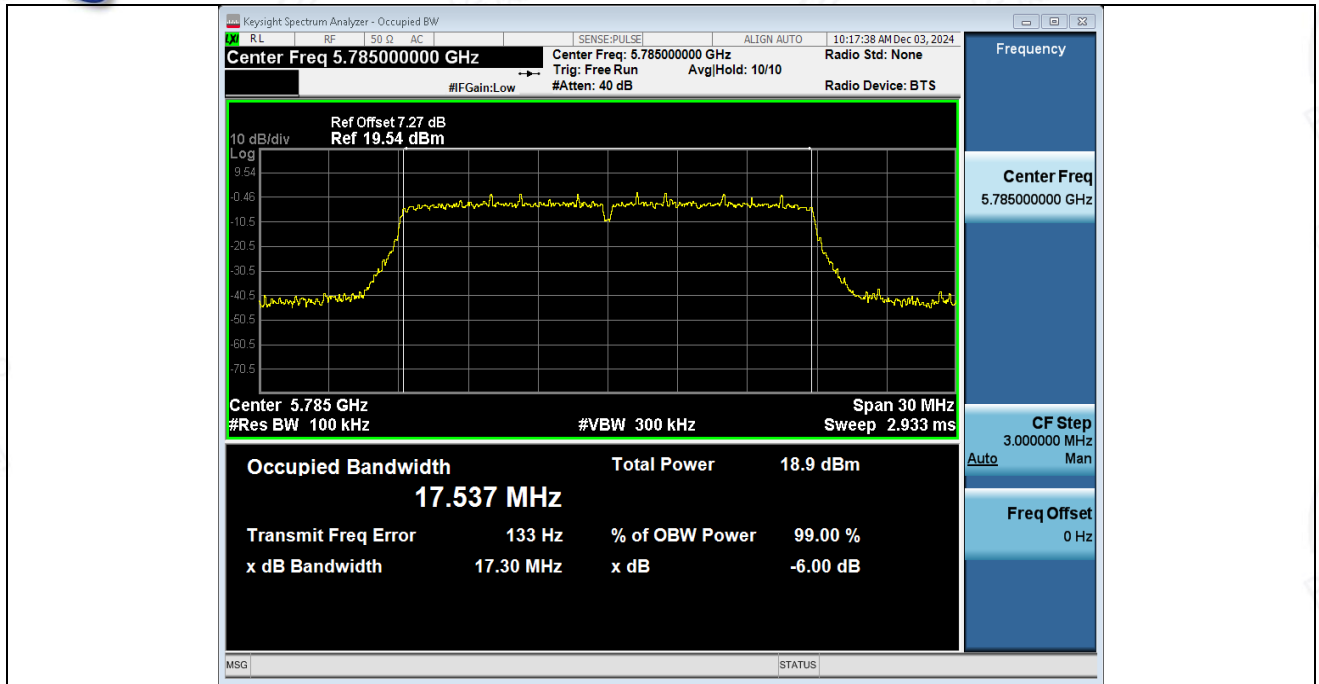


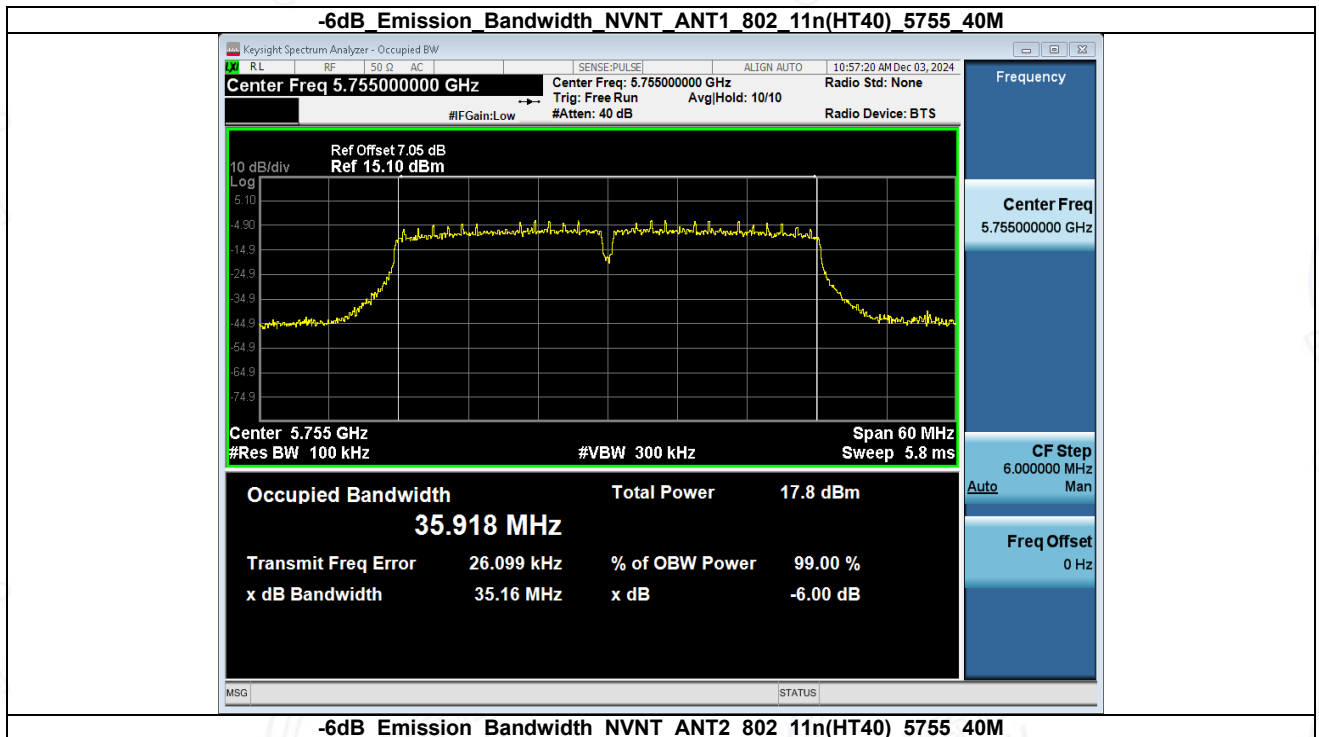
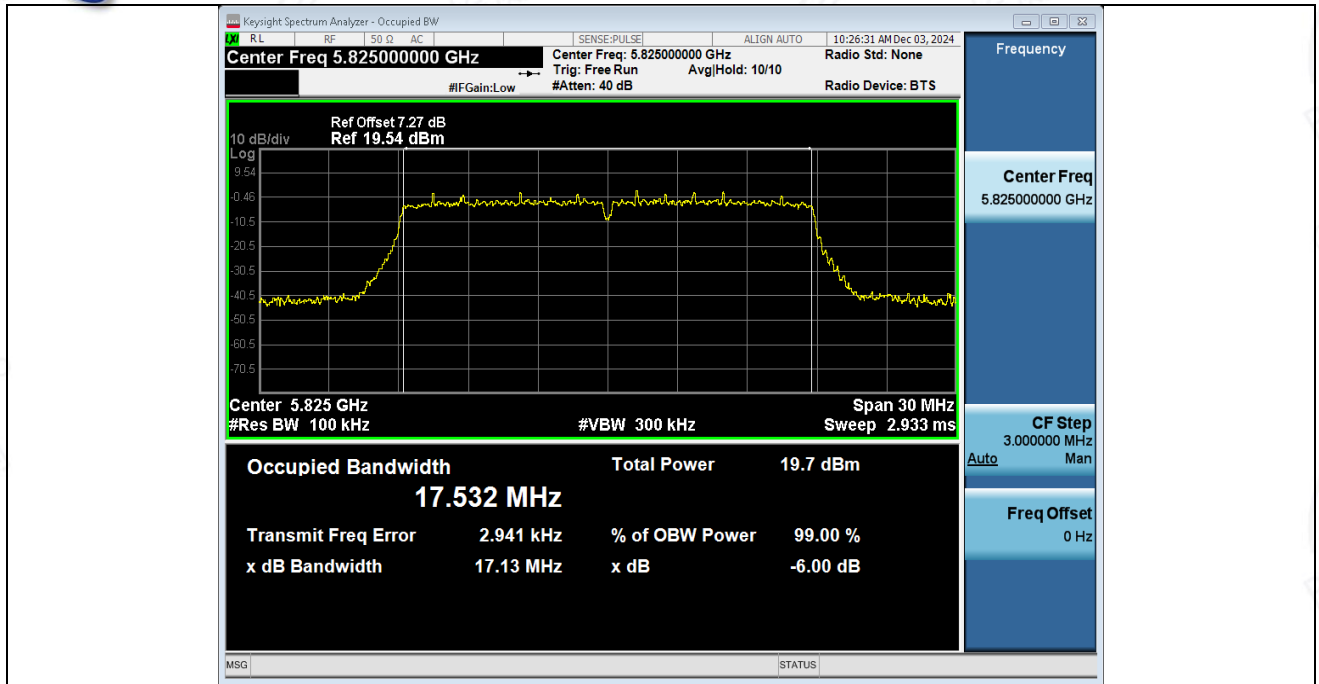


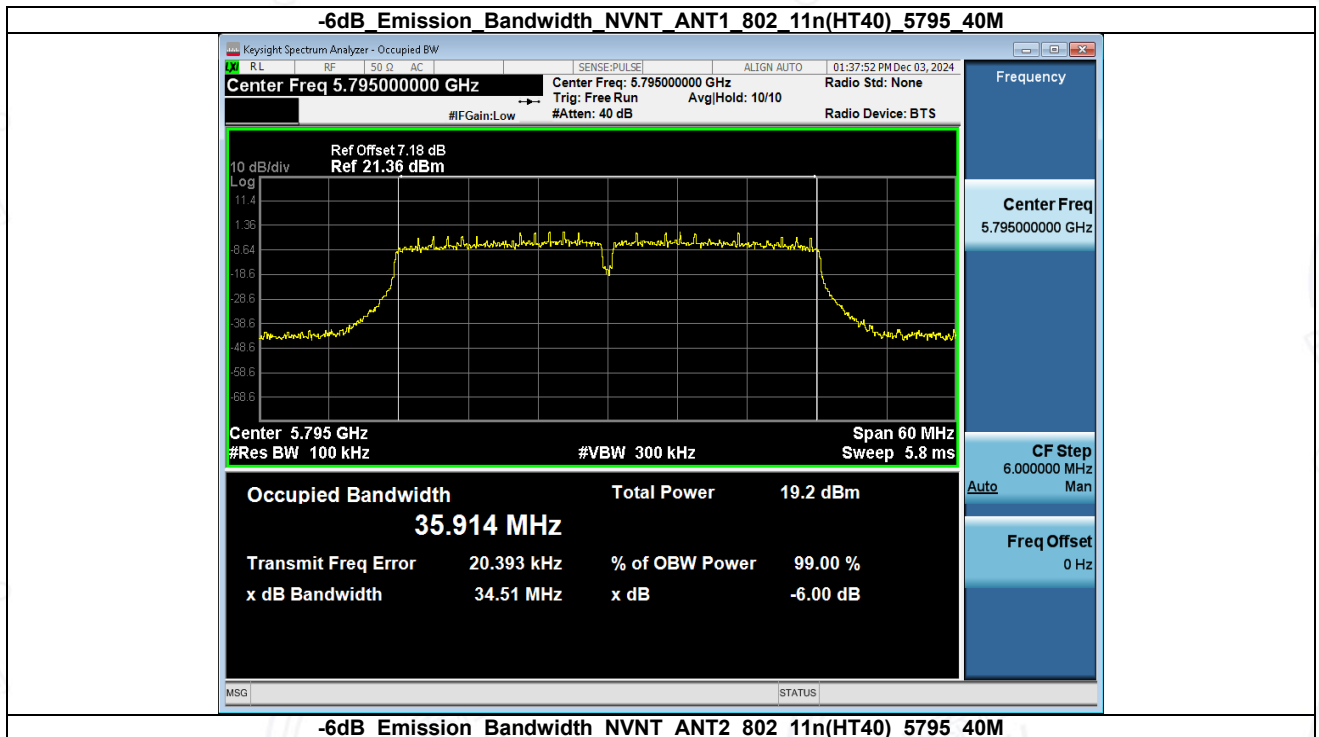
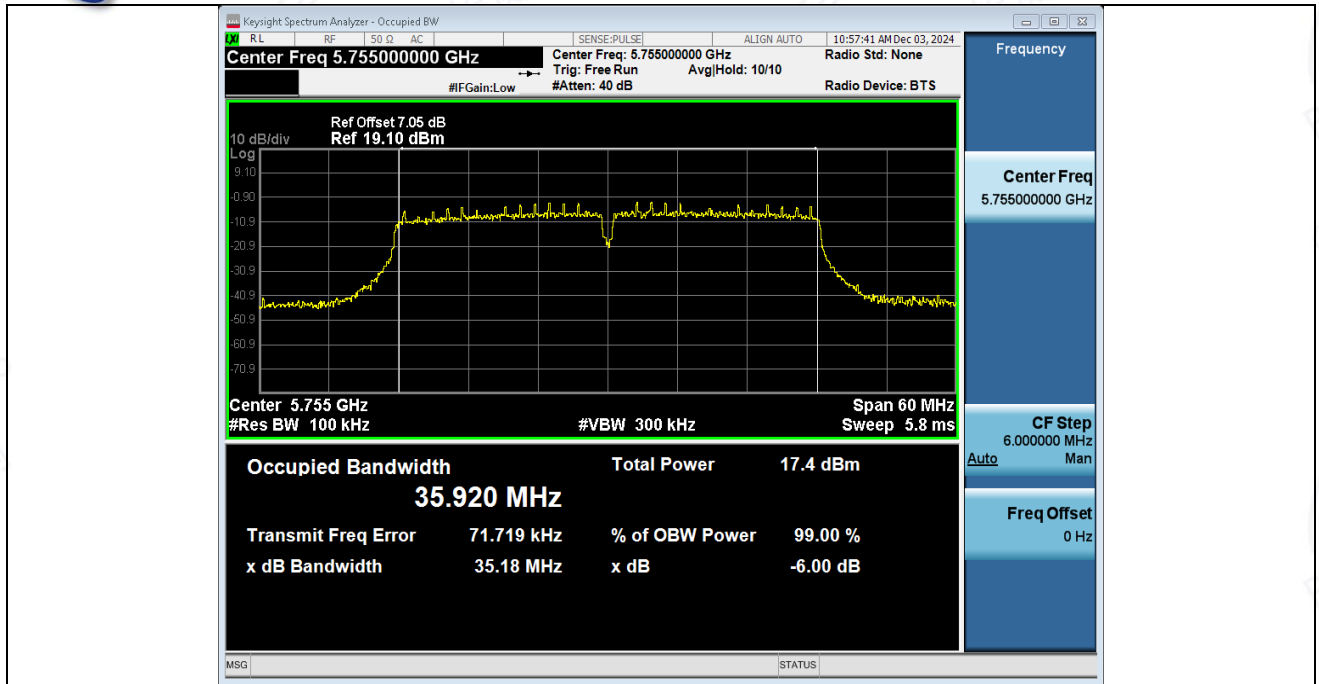


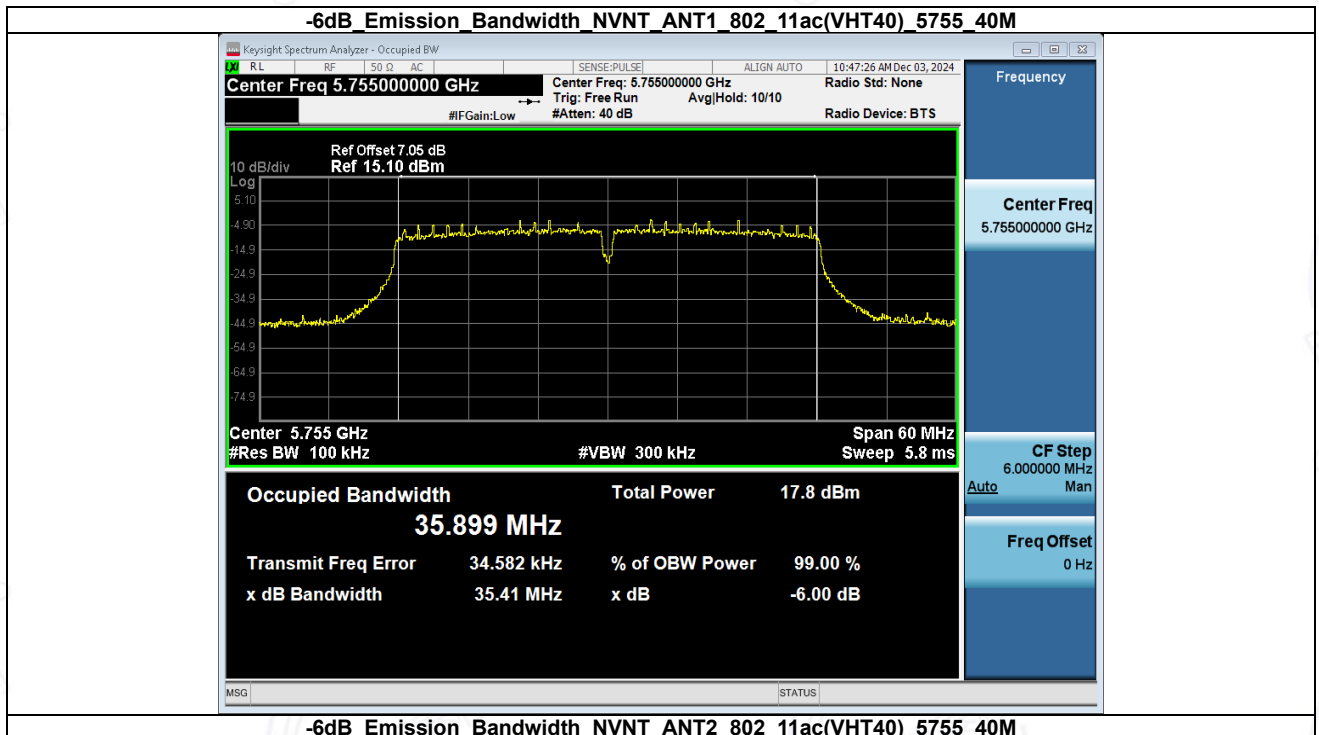
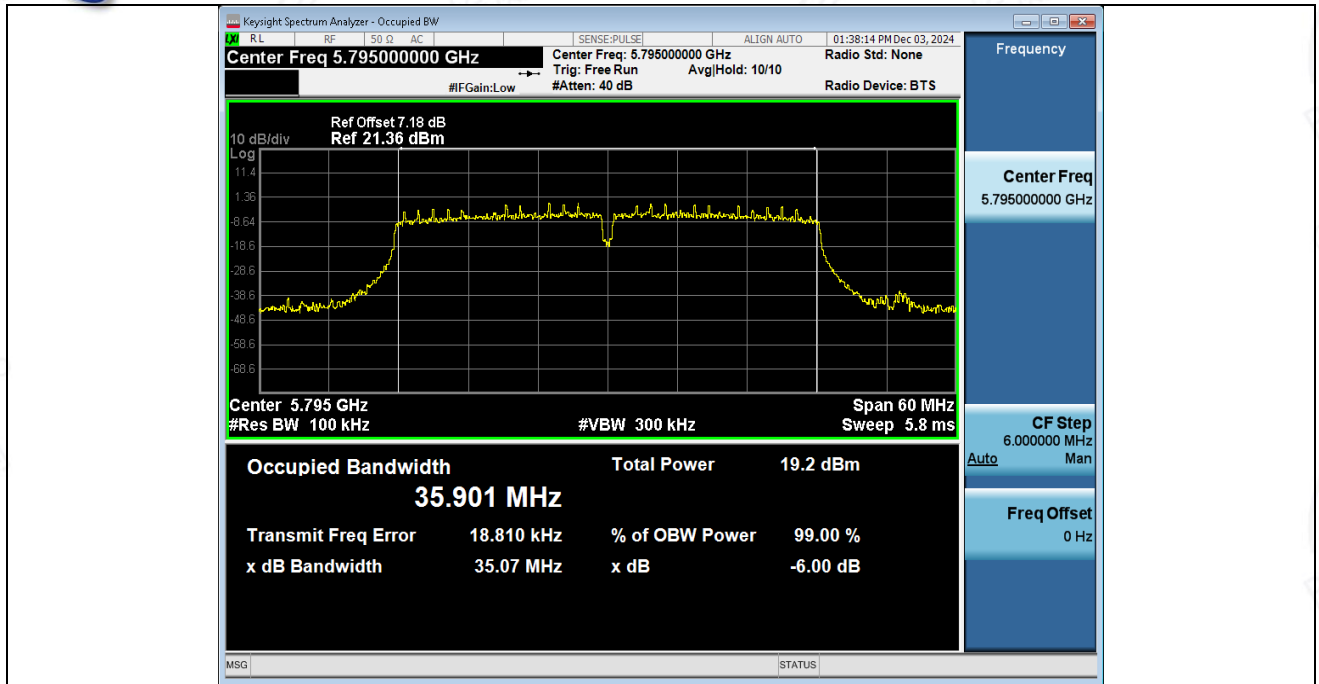


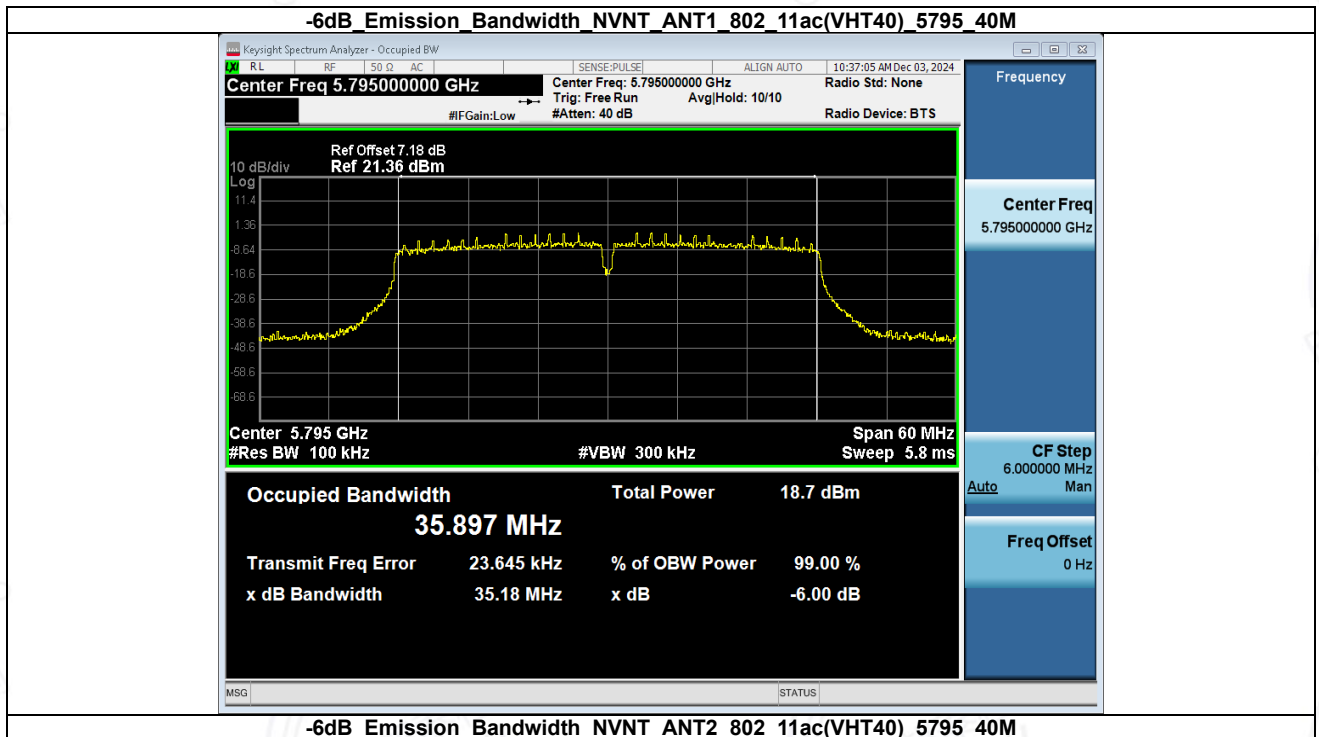
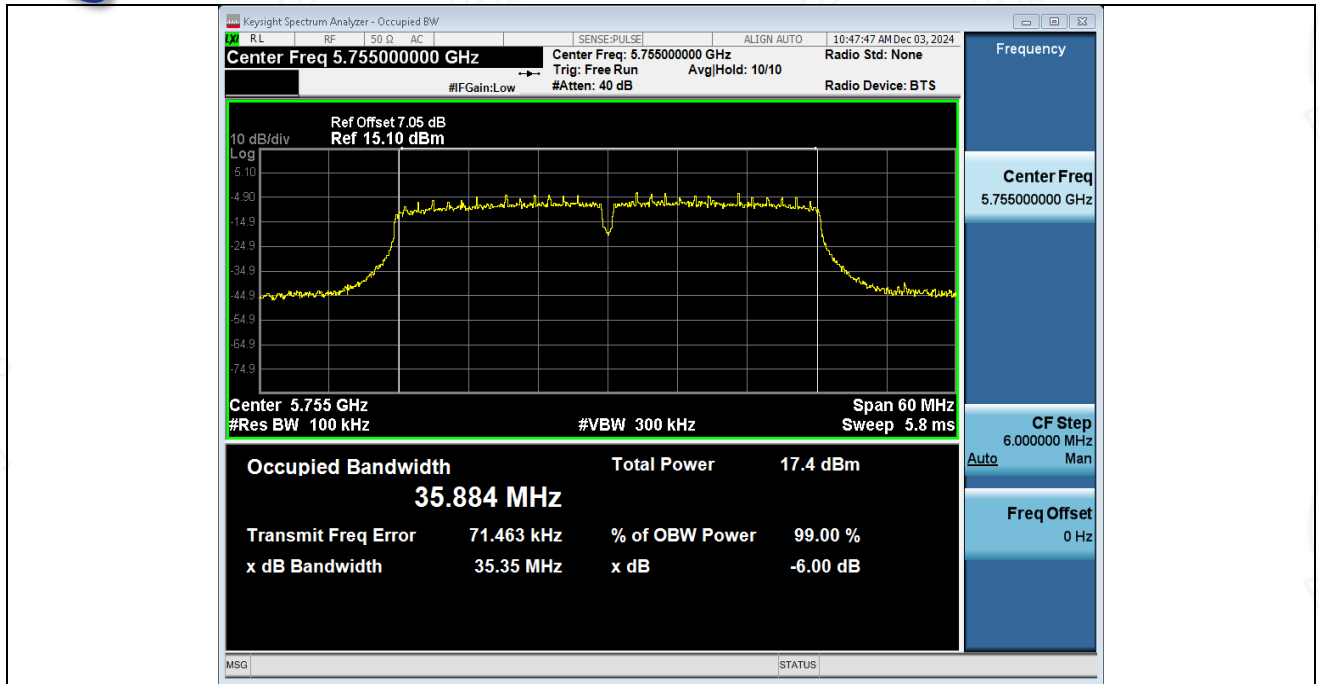


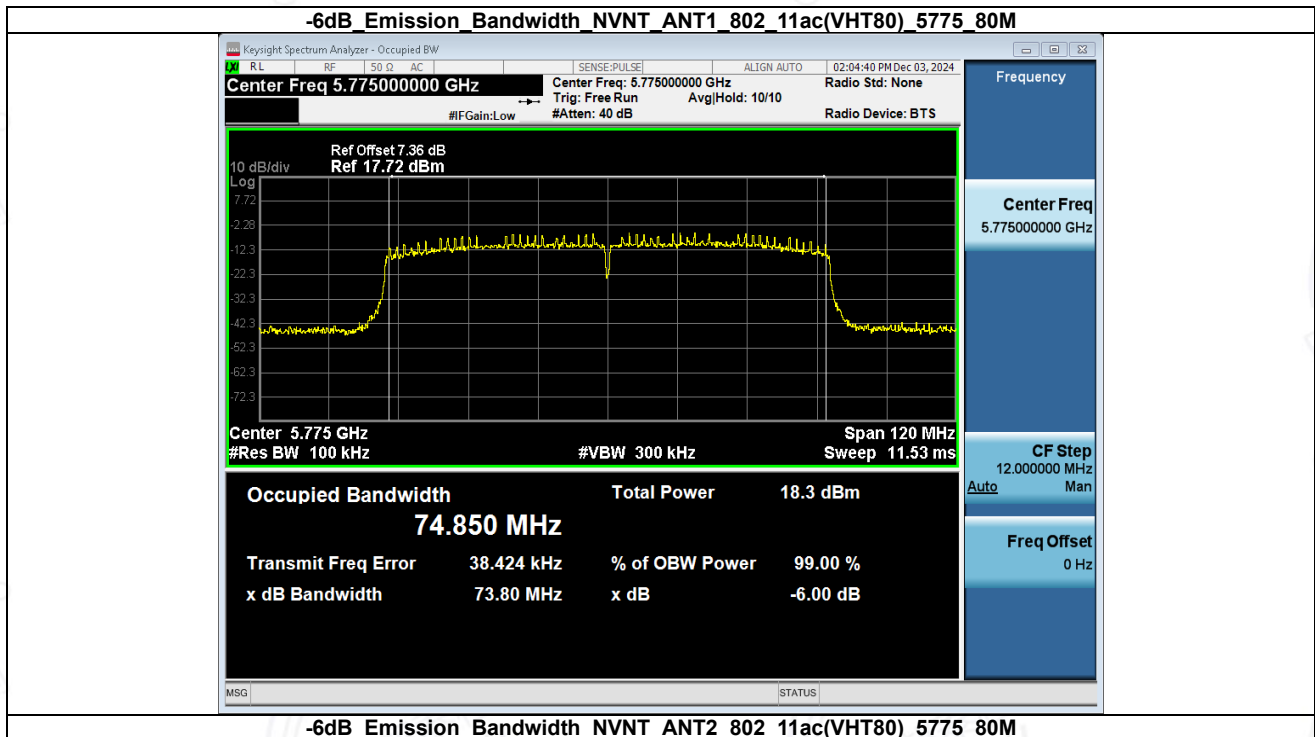
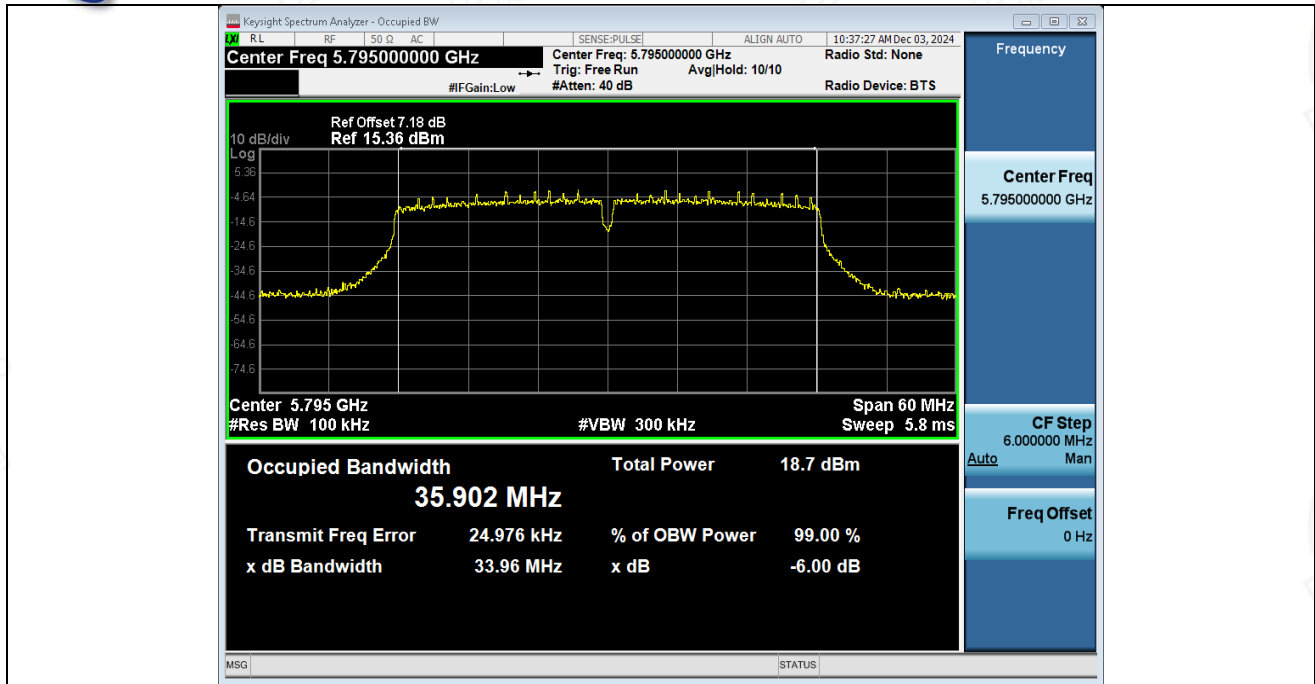


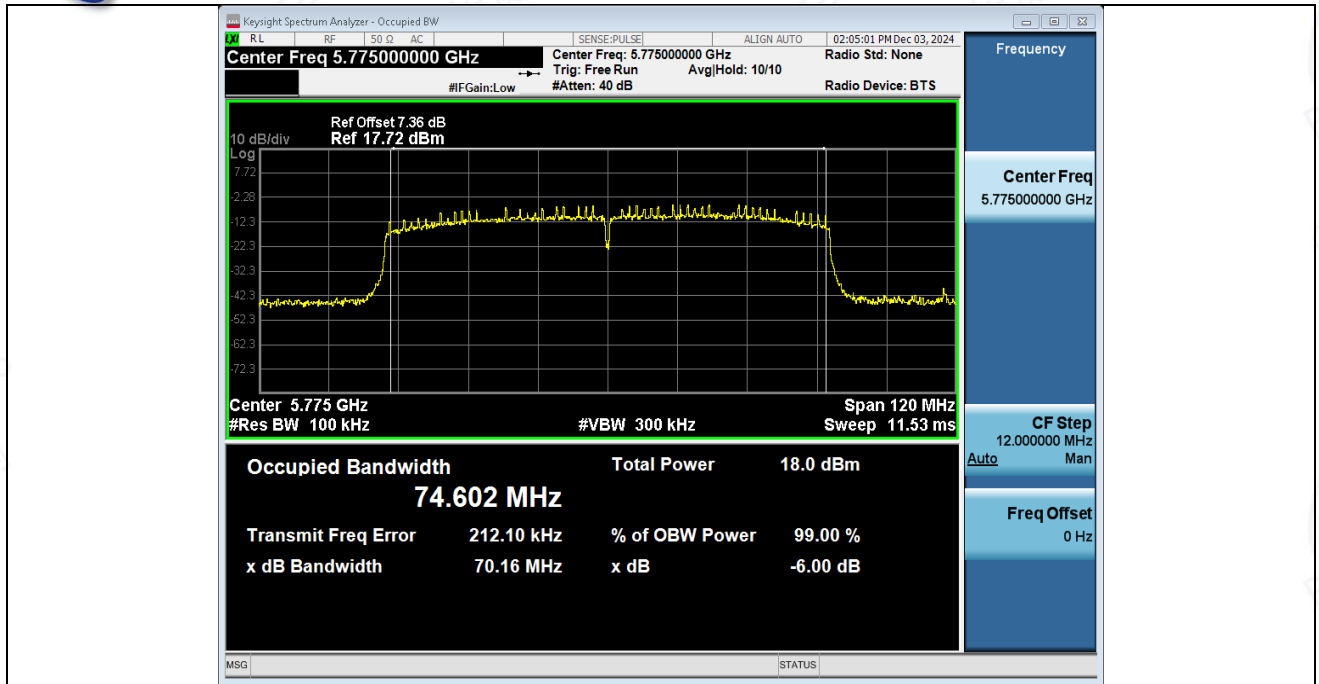






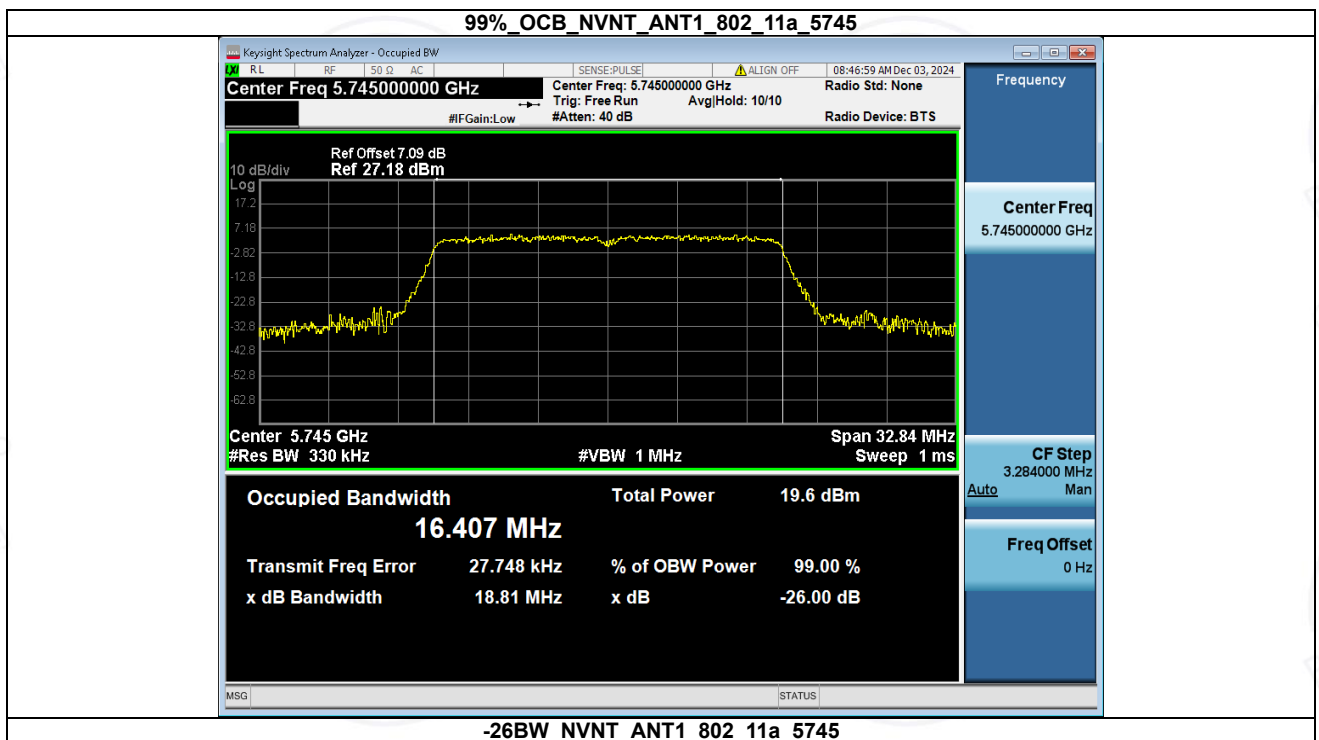


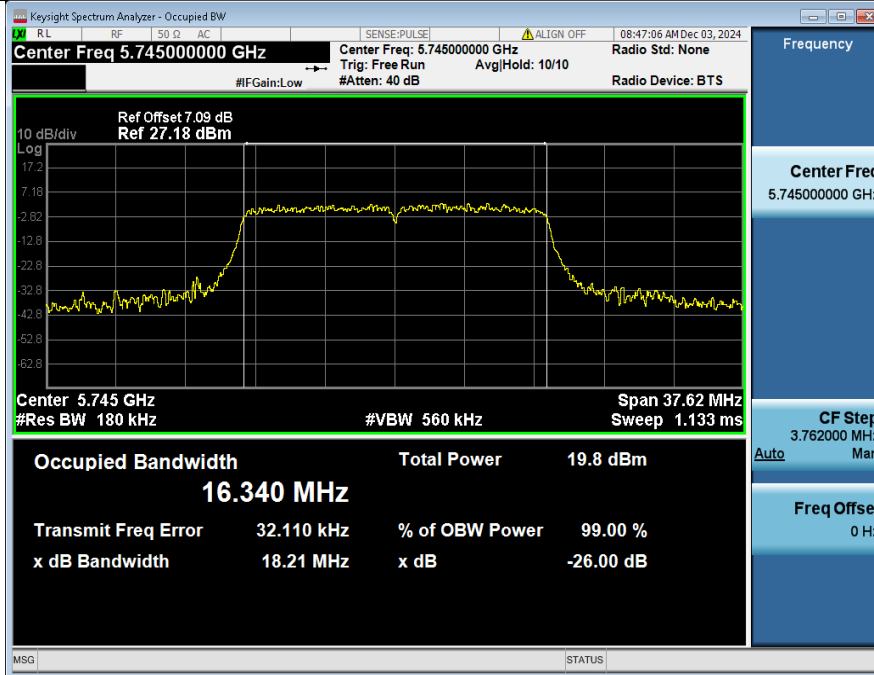




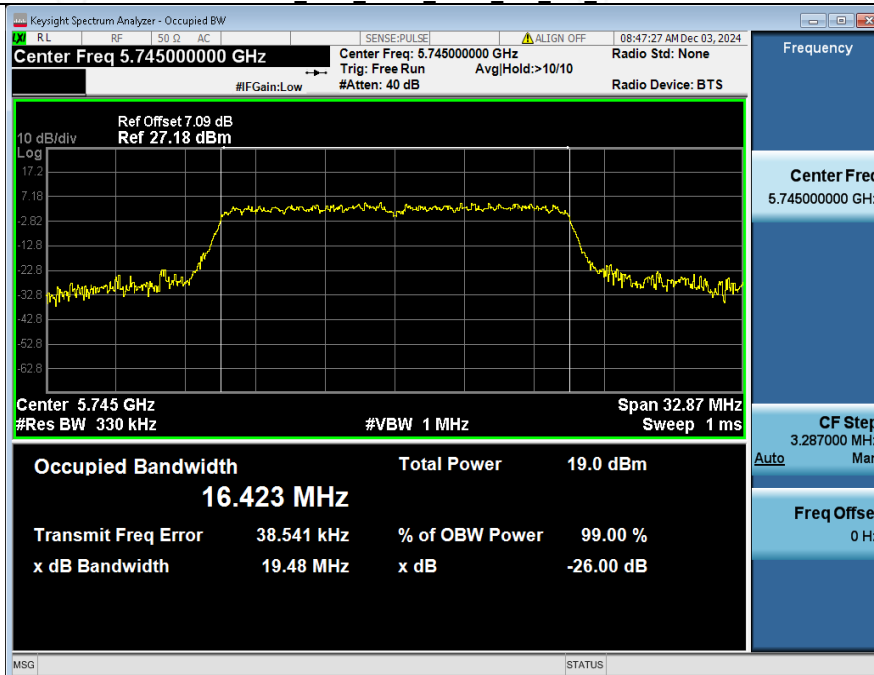
2. -26dB and 99% Emission Bandwidth

Condition	Antenna	Modulation	Frequency(MHz)	26dB Emission Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5745.00	18.21	16.41
NVNT	ANT2	802.11a	5745.00	18.18	16.42
NVNT	ANT1	802.11a	5785.00	18.35	16.44
NVNT	ANT2	802.11a	5785.00	18.27	16.43
NVNT	ANT1	802.11a	5825.00	18.35	16.43
NVNT	ANT2	802.11a	5825.00	18.14	16.43
NVNT	ANT1	802.11n(HT20)	5745.00	19.23	17.59
NVNT	ANT2	802.11n(HT20)	5745.00	19.31	17.58
NVNT	ANT1	802.11n(HT20)	5785.00	19.36	17.62
NVNT	ANT2	802.11n(HT20)	5785.00	19.48	17.59
NVNT	ANT1	802.11n(HT20)	5825.00	19.33	17.58
NVNT	ANT2	802.11n(HT20)	5825.00	19.31	17.57
NVNT	ANT1	802.11ac(VHT20)	5745.00	19.40	17.59
NVNT	ANT2	802.11ac(VHT20)	5745.00	19.46	17.56
NVNT	ANT1	802.11ac(VHT20)	5785.00	19.40	17.58
NVNT	ANT2	802.11ac(VHT20)	5785.00	19.39	17.60
NVNT	ANT1	802.11ac(VHT20)	5825.00	19.39	17.58
NVNT	ANT2	802.11ac(VHT20)	5825.00	19.33	17.59
NVNT	ANT1	802.11n(HT40)	5755.00	40.93	36.20
NVNT	ANT2	802.11n(HT40)	5755.00	40.62	36.34
NVNT	ANT1	802.11n(HT40)	5795.00	40.70	36.22
NVNT	ANT2	802.11n(HT40)	5795.00	40.36	36.26
NVNT	ANT1	802.11ac(VHT40)	5755.00	40.60	36.12
NVNT	ANT2	802.11ac(VHT40)	5755.00	40.35	36.15
NVNT	ANT1	802.11ac(VHT40)	5795.00	41.01	36.18
NVNT	ANT2	802.11ac(VHT40)	5795.00	40.09	36.12
NVNT	ANT1	802.11ac(VHT80)	5775.00	80.02	74.59
NVNT	ANT2	802.11ac(VHT80)	5775.00	79.64	74.39



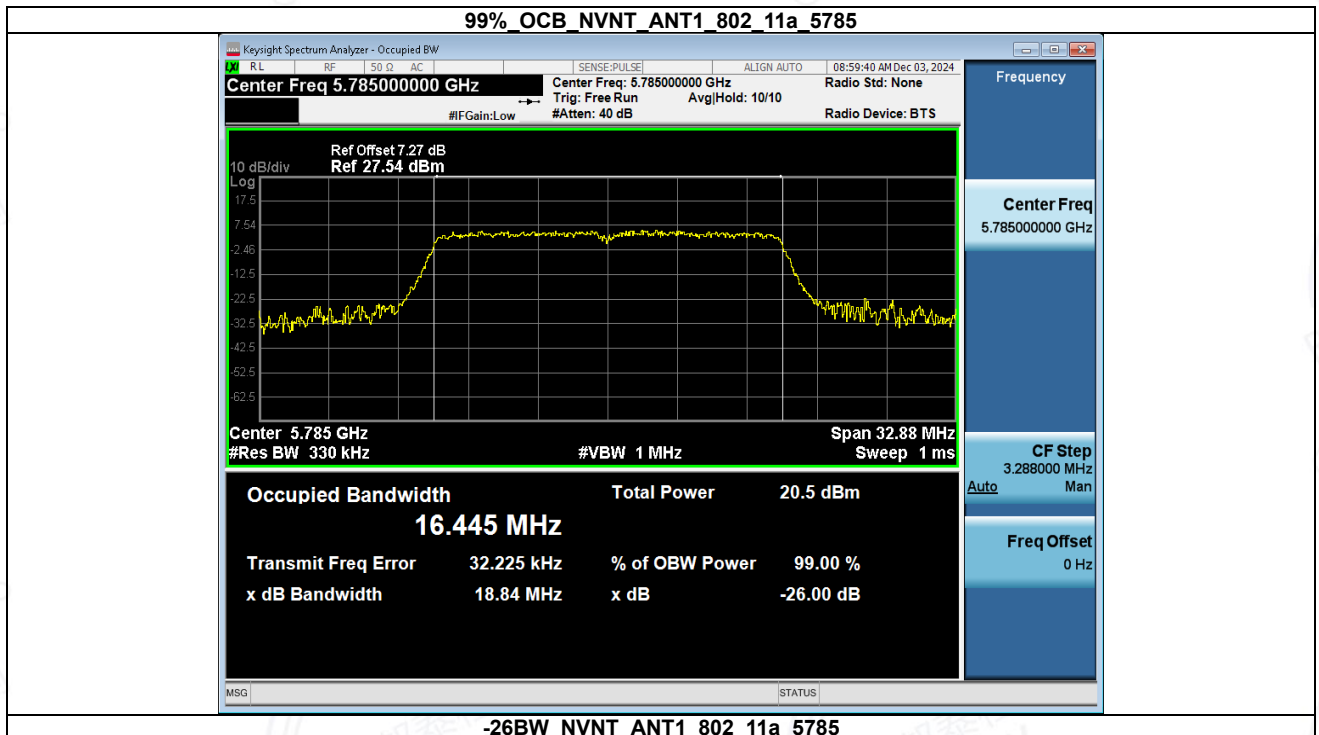
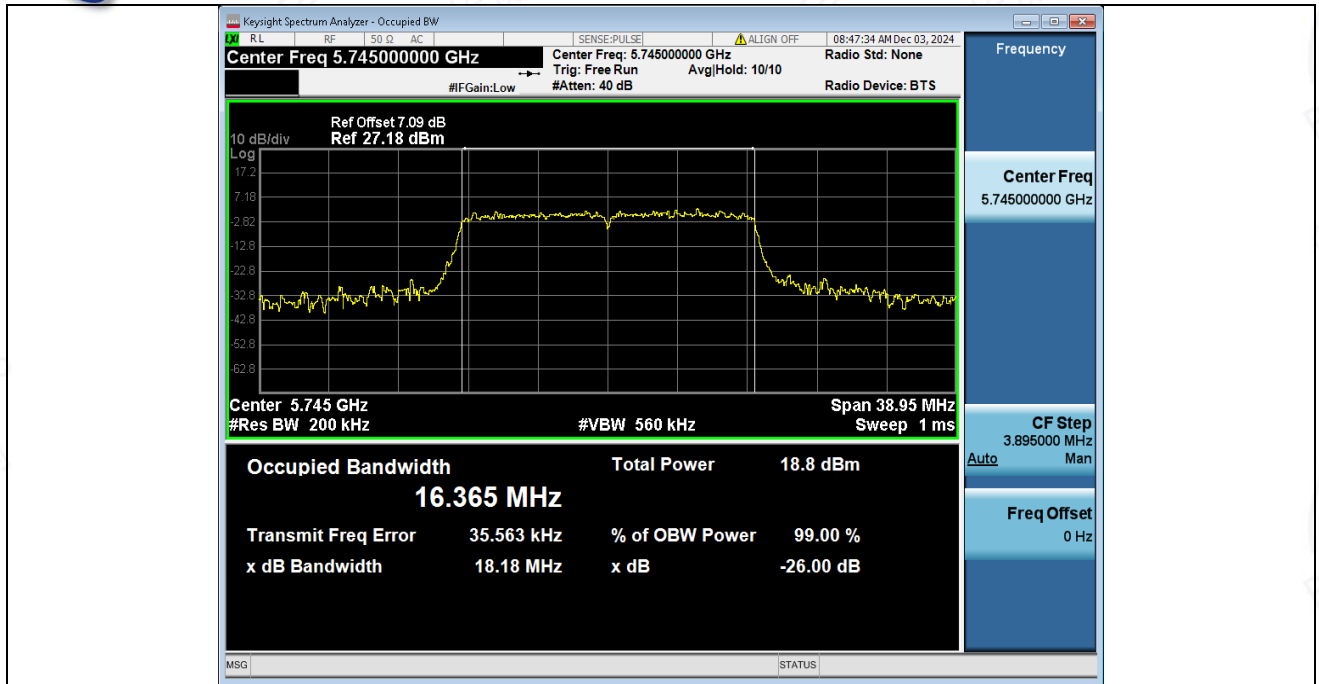


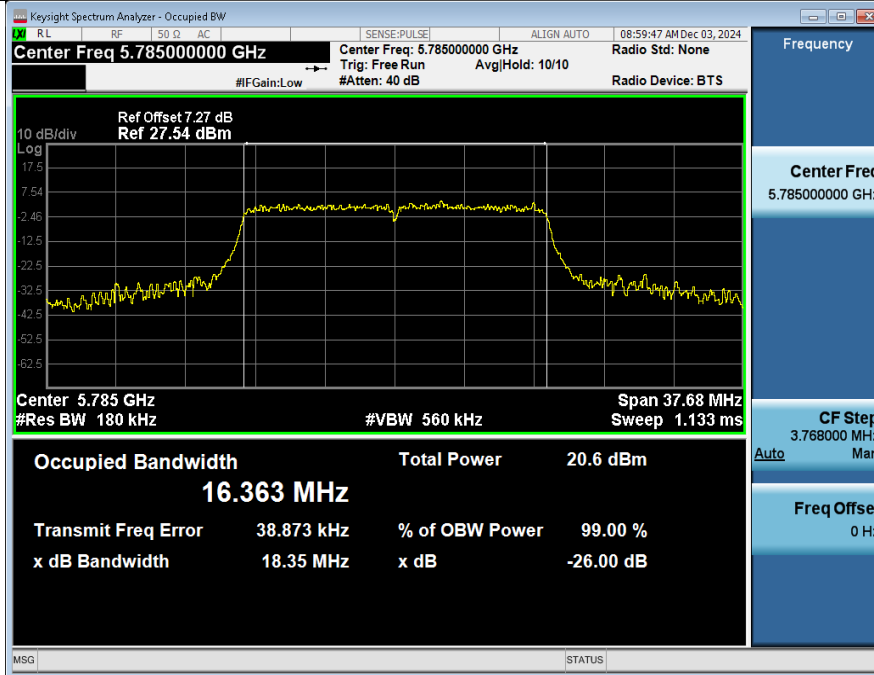
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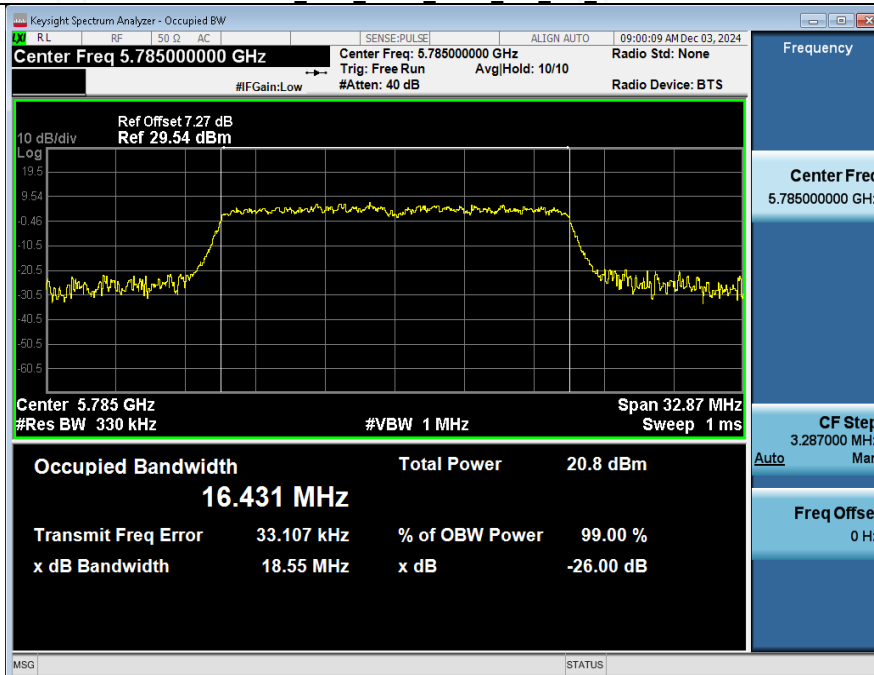
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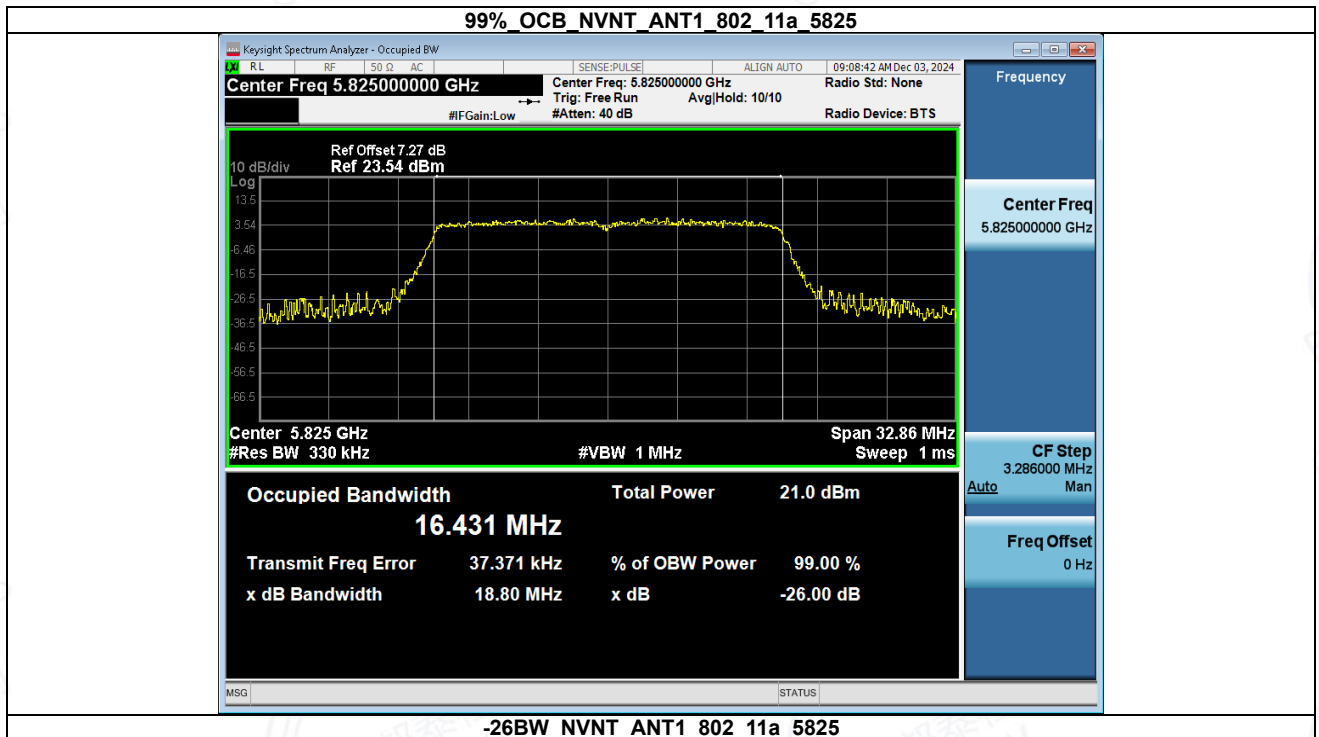
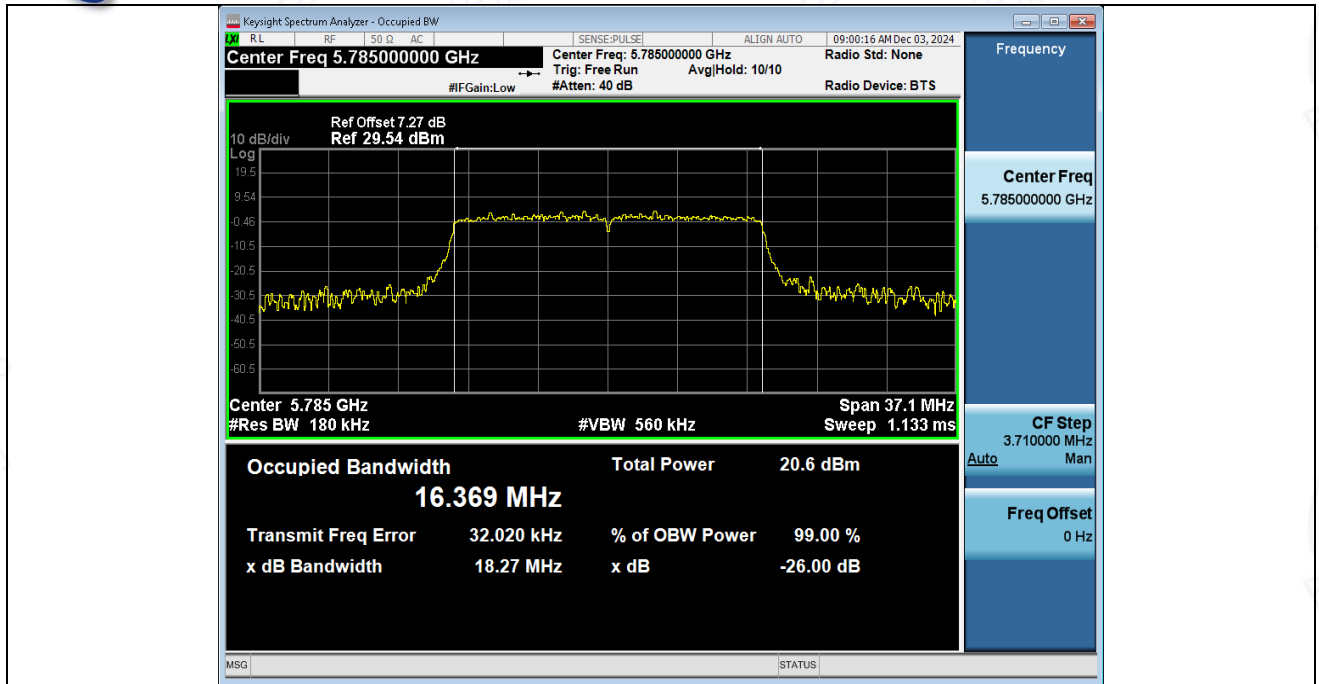


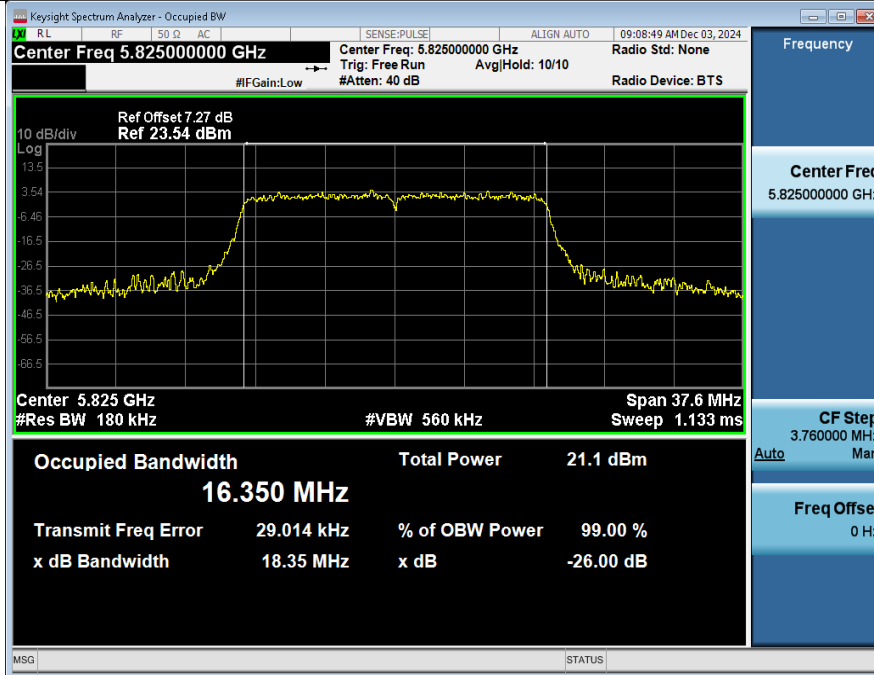
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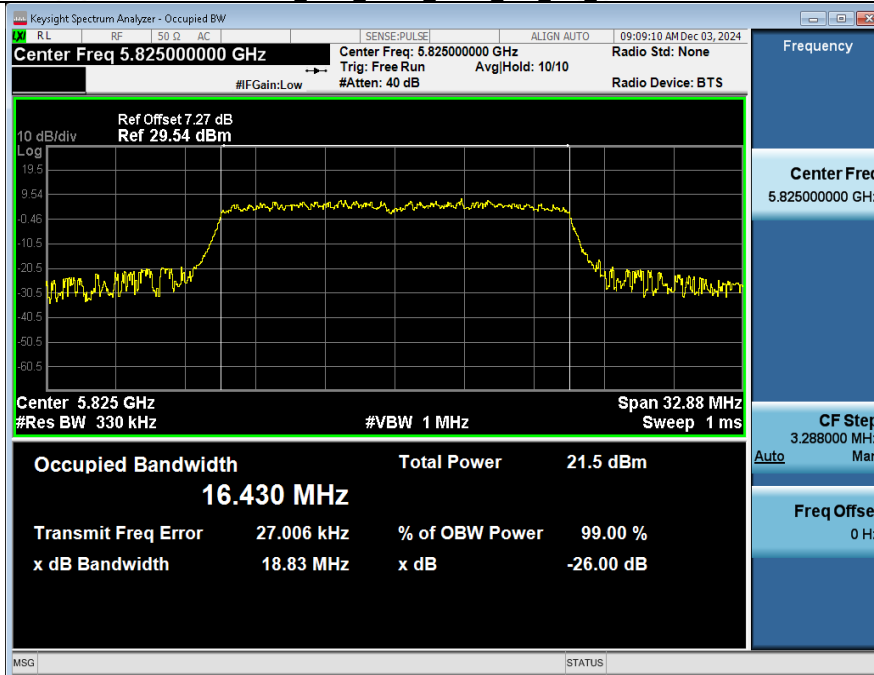
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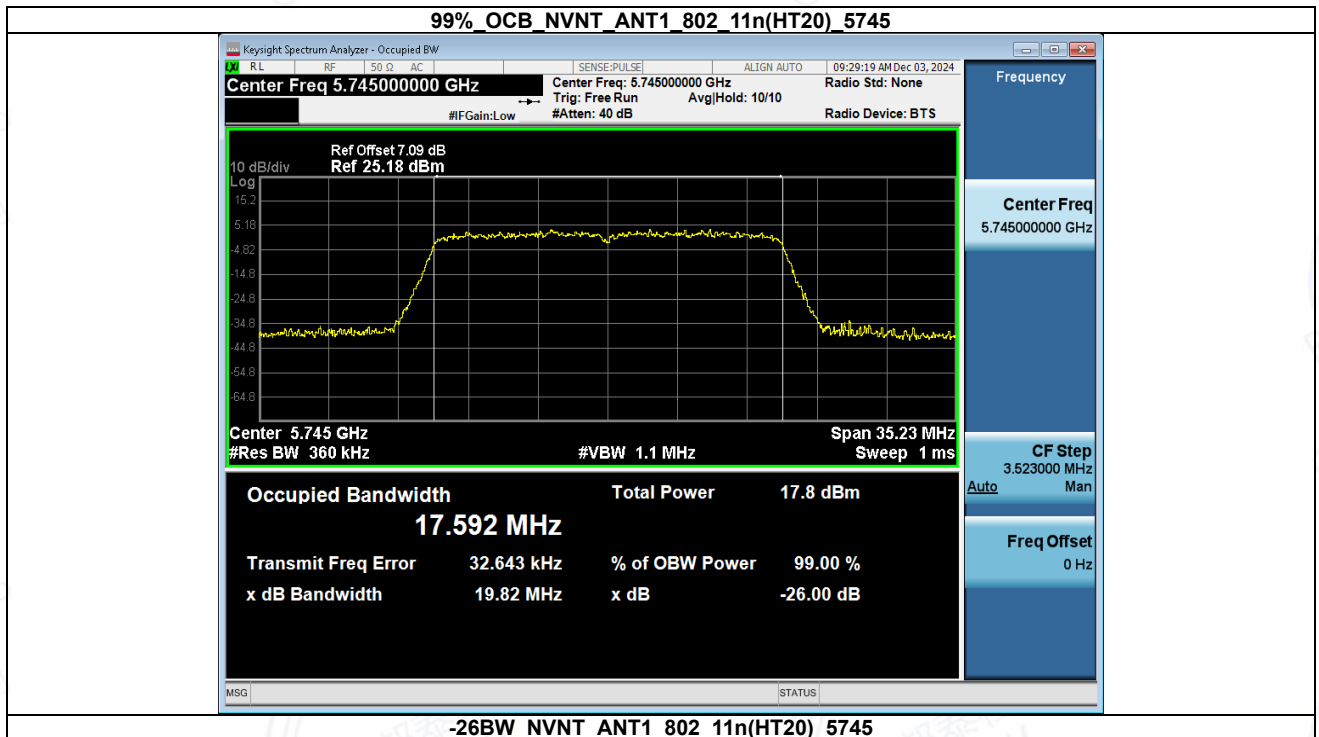
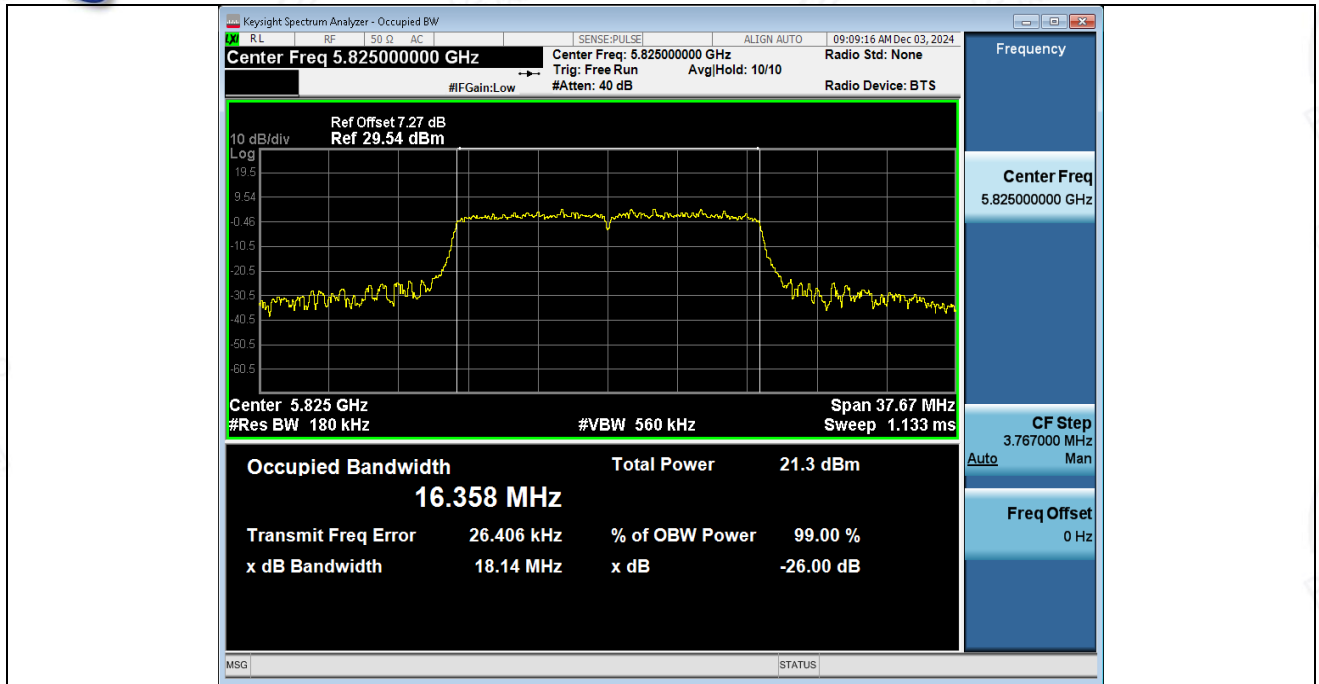


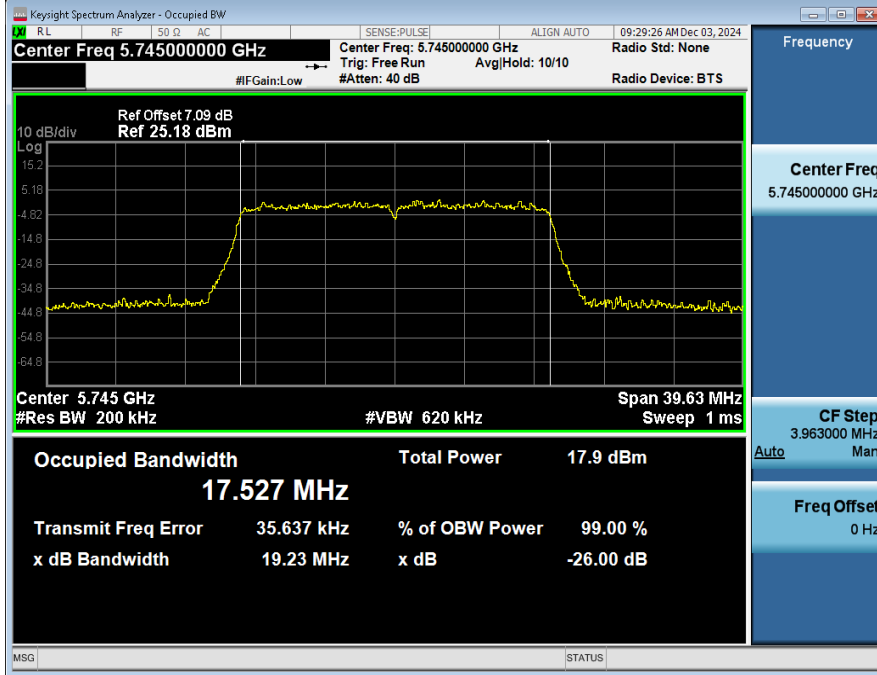
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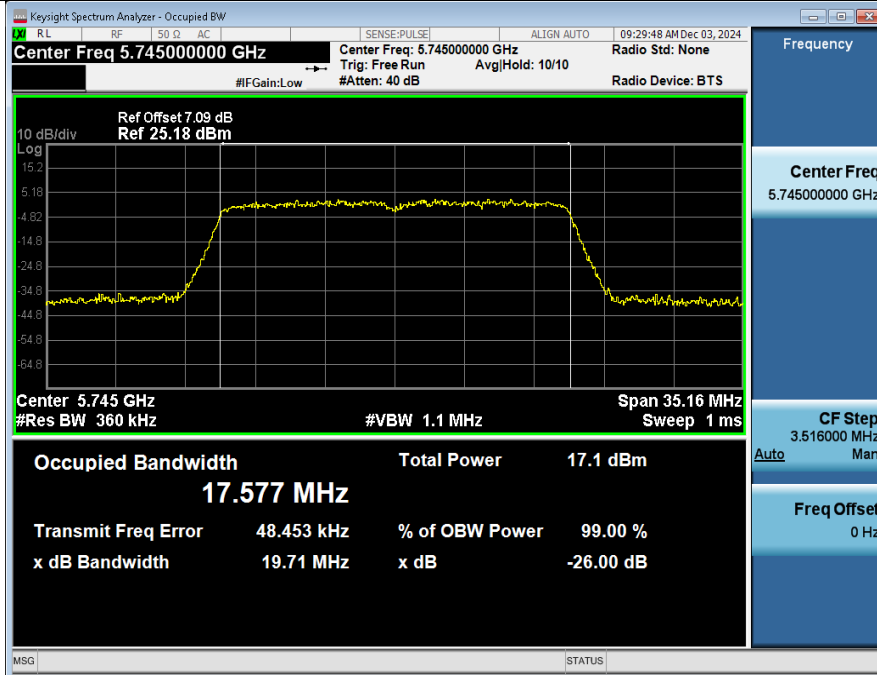
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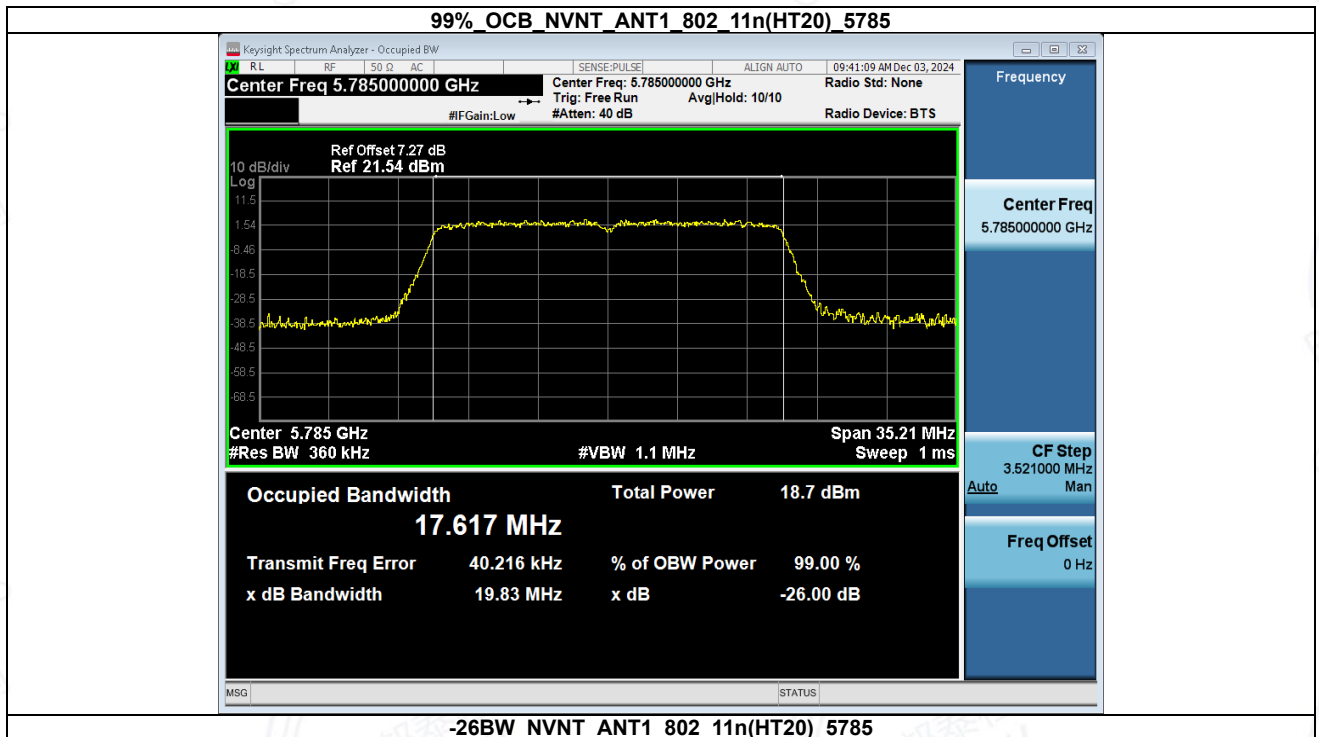
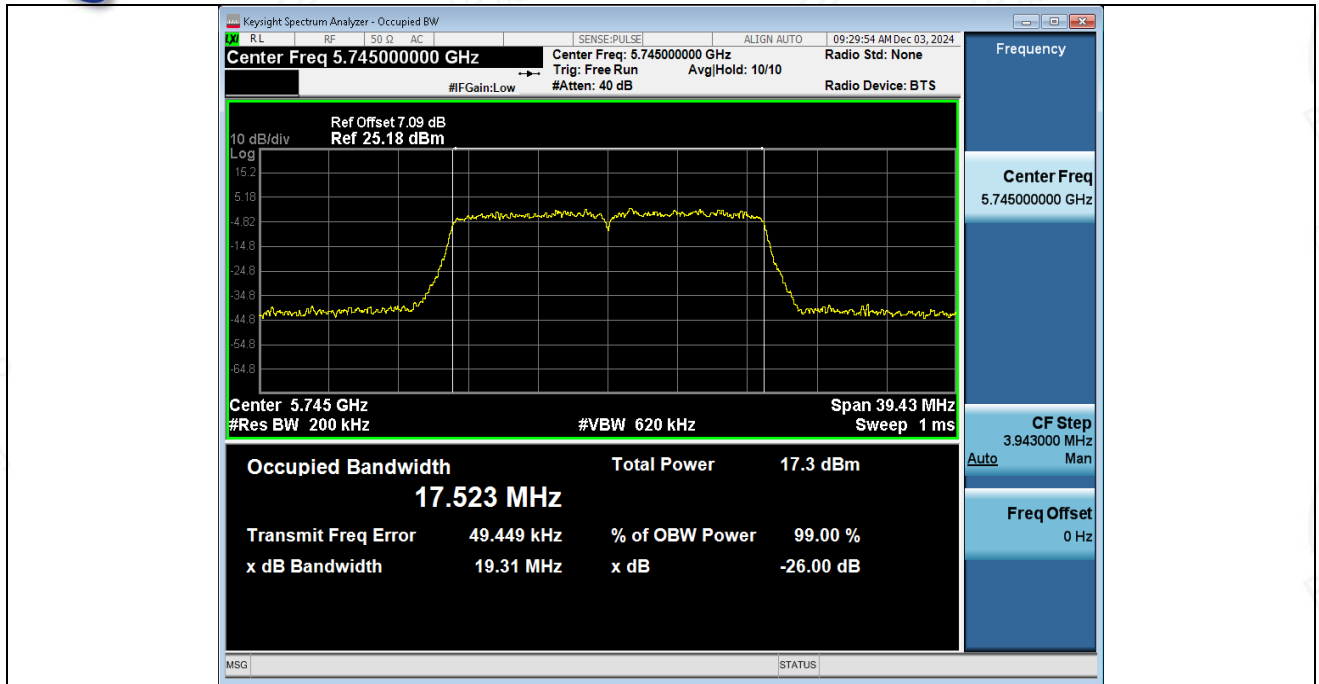


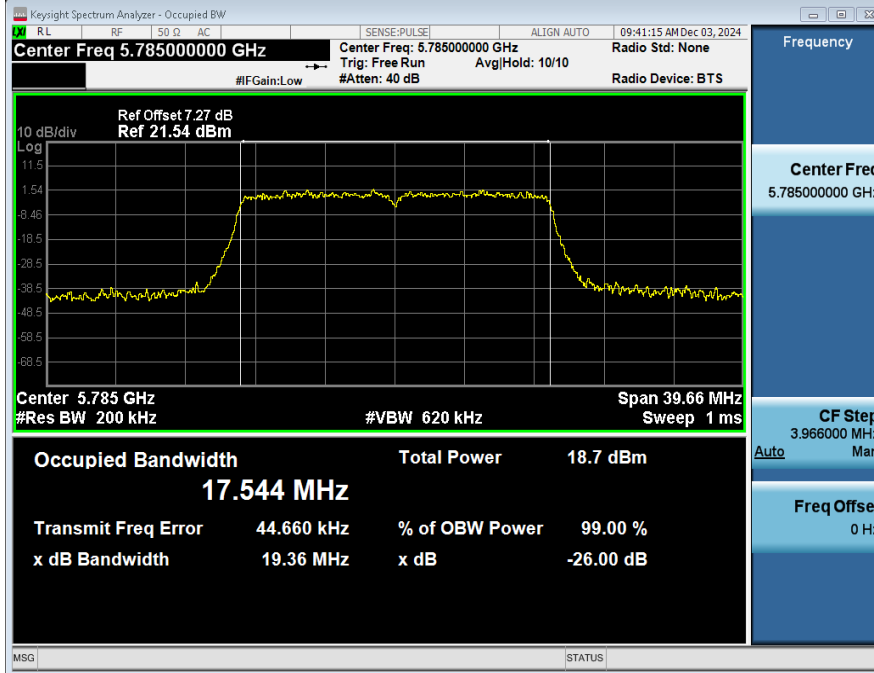
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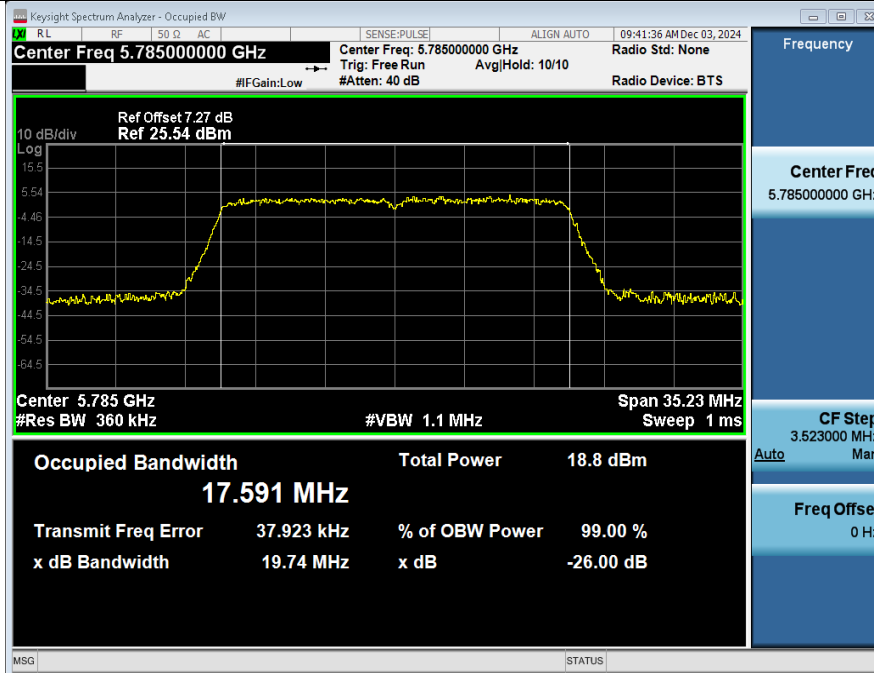
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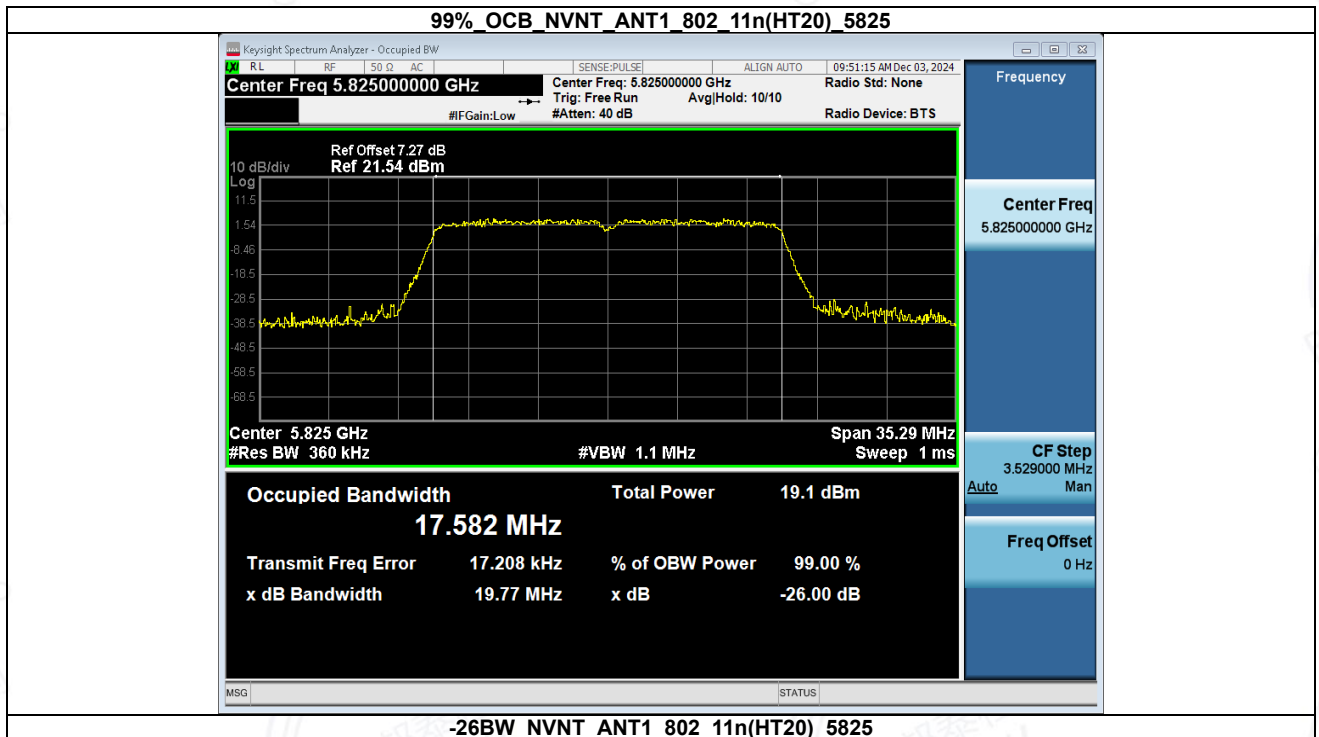
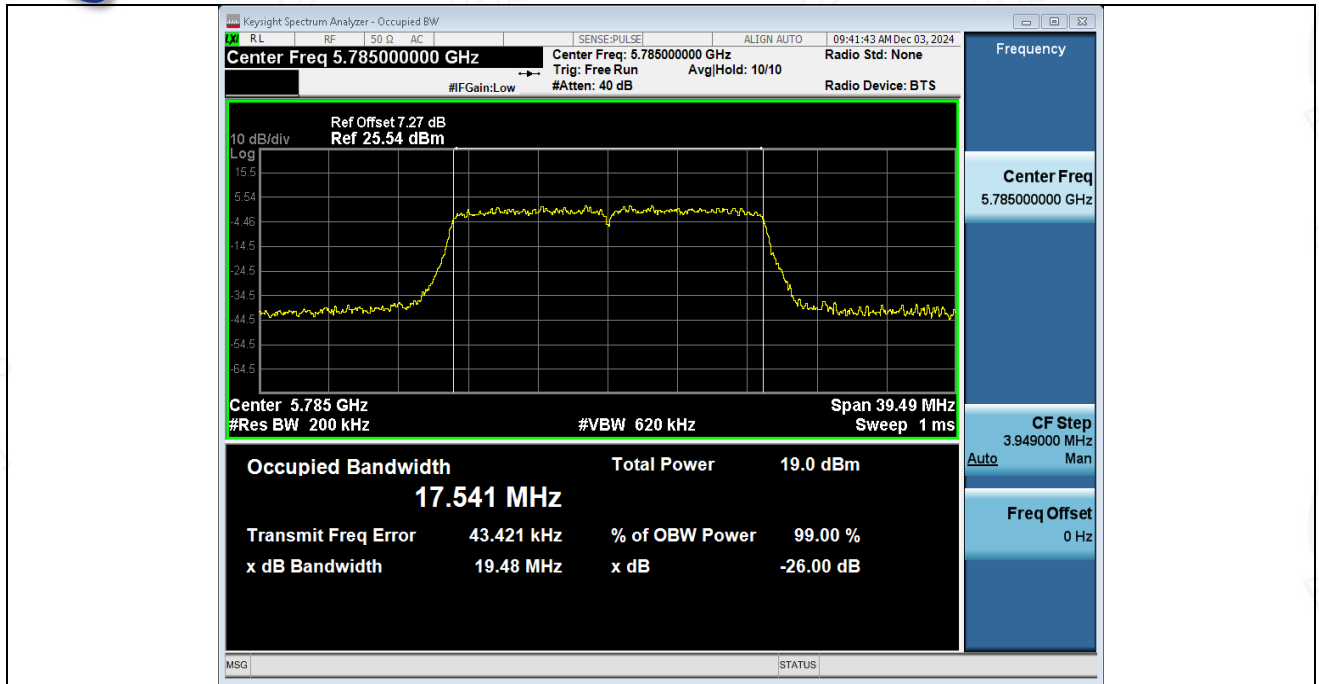


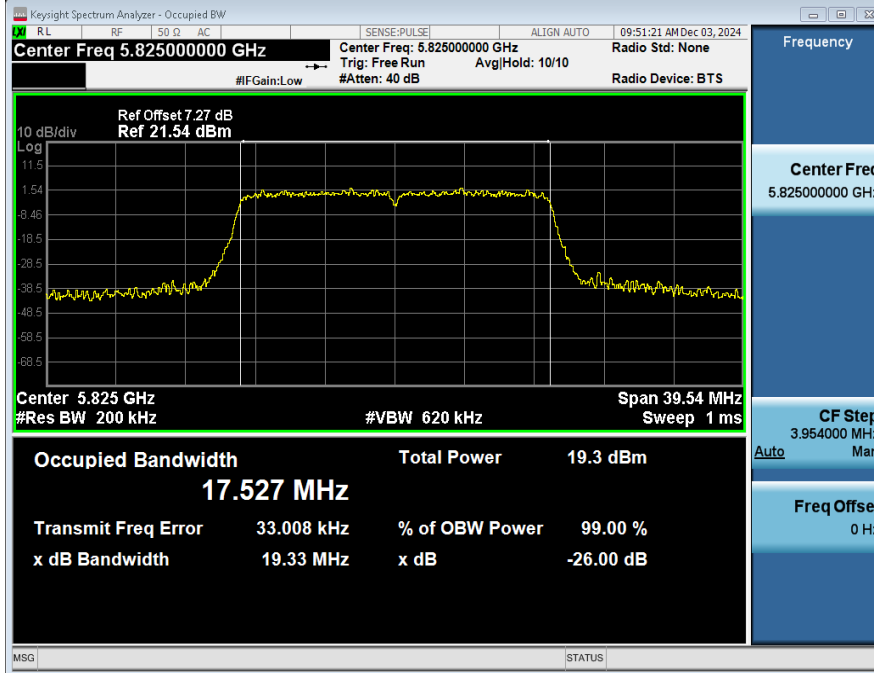
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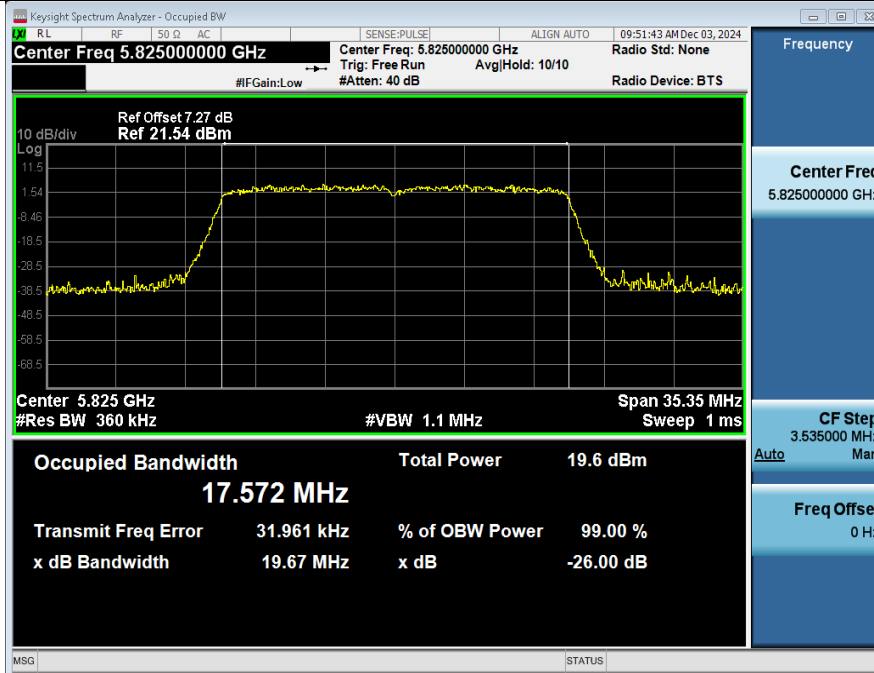
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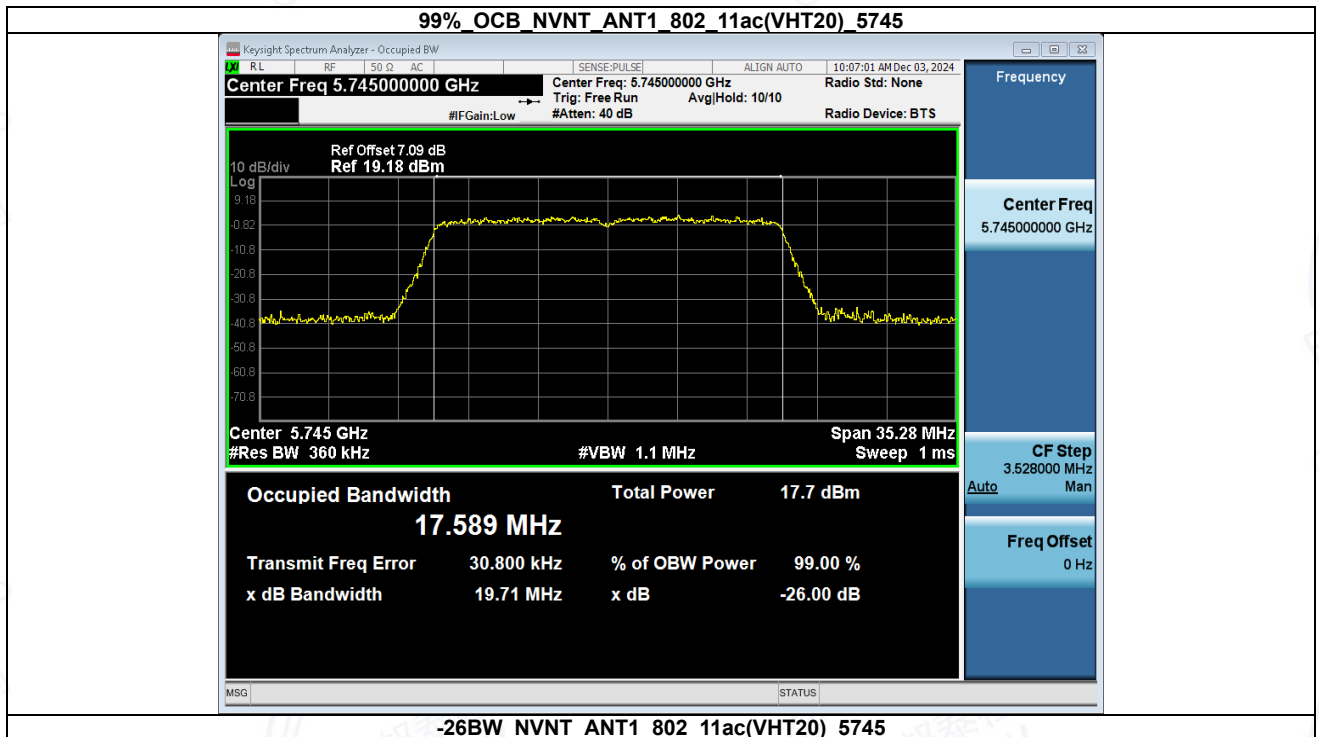
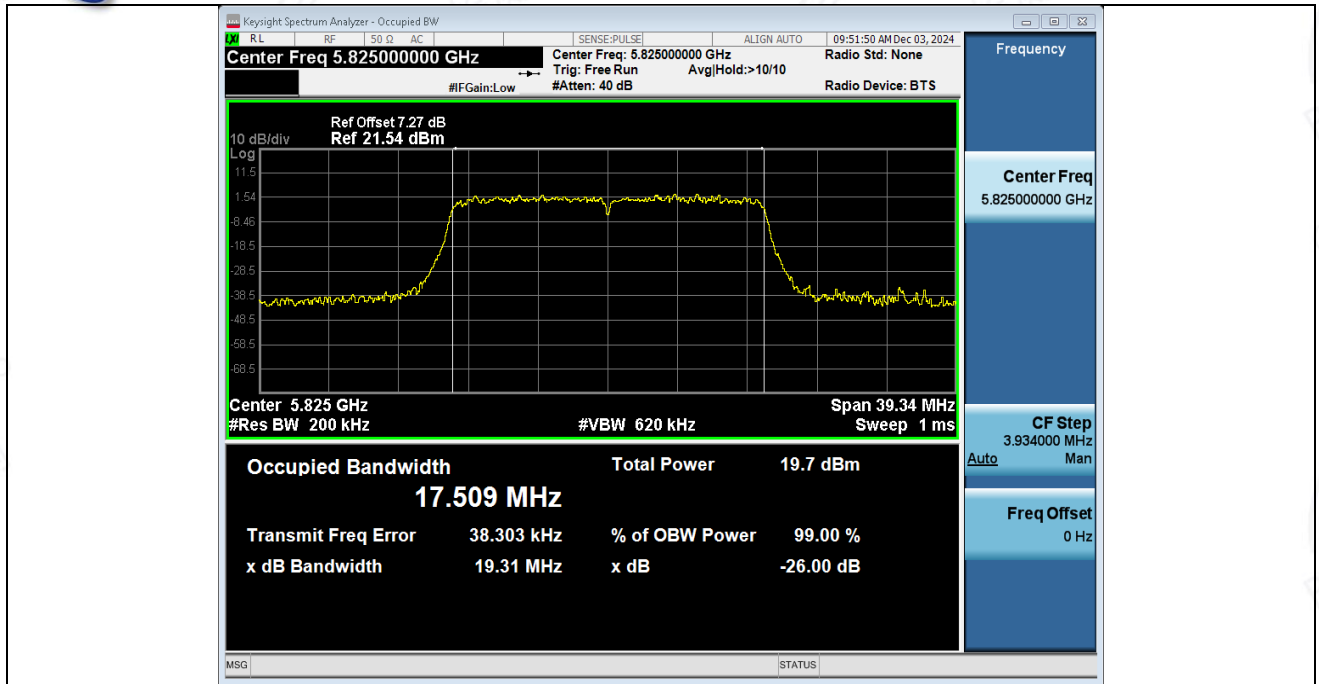


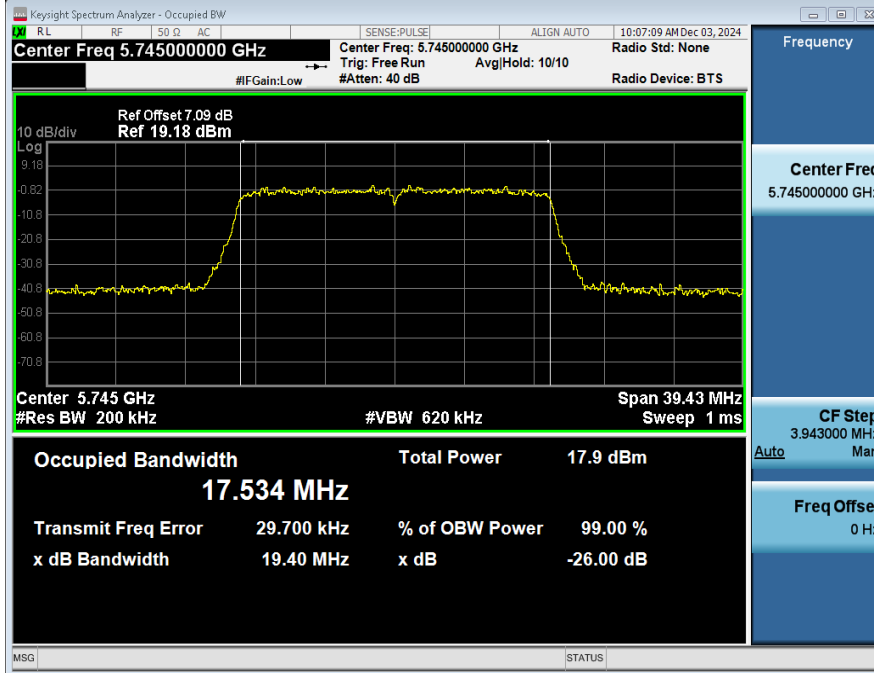
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-26BW_NVNT_ANT2_802_11n(HT20)_5825





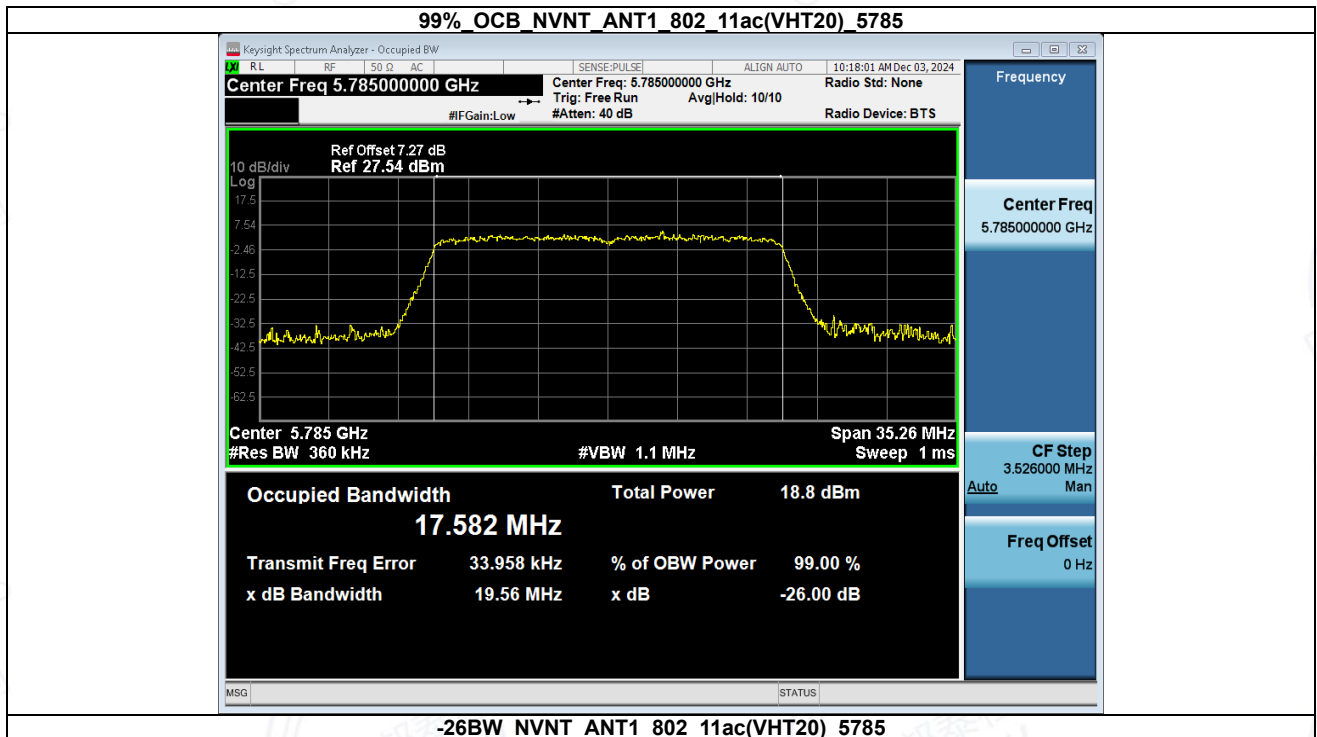
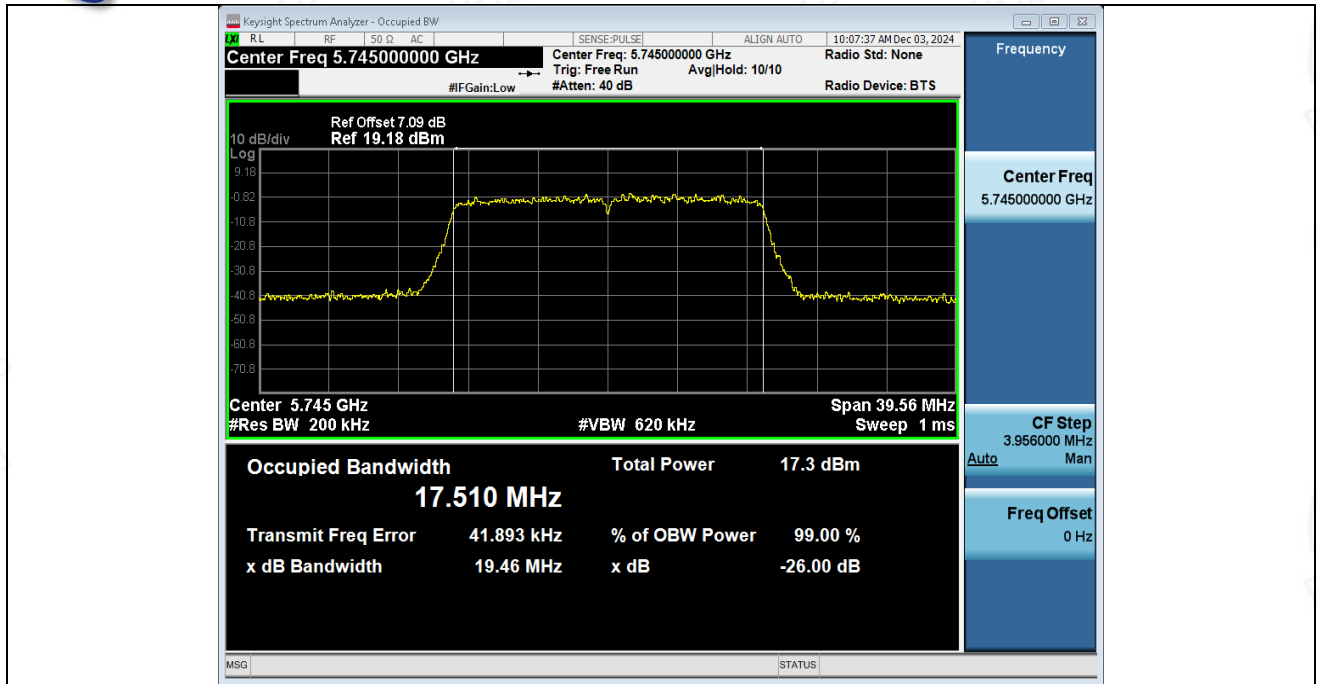


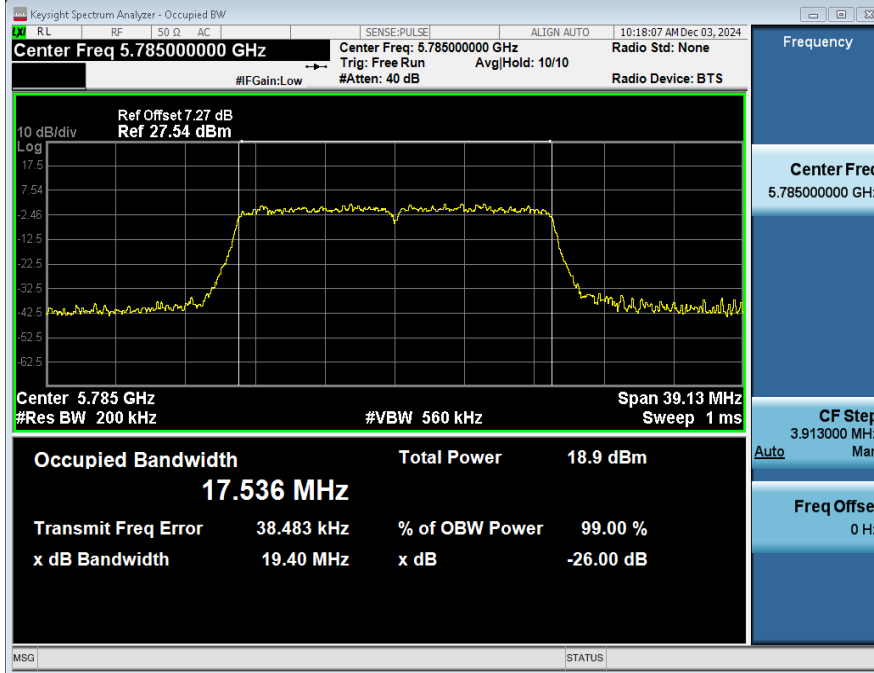
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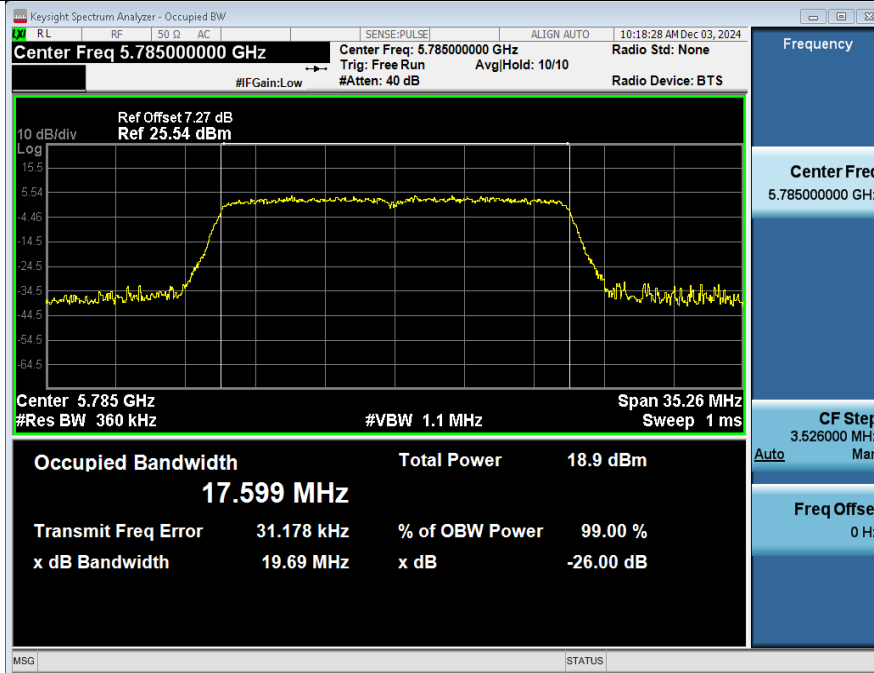
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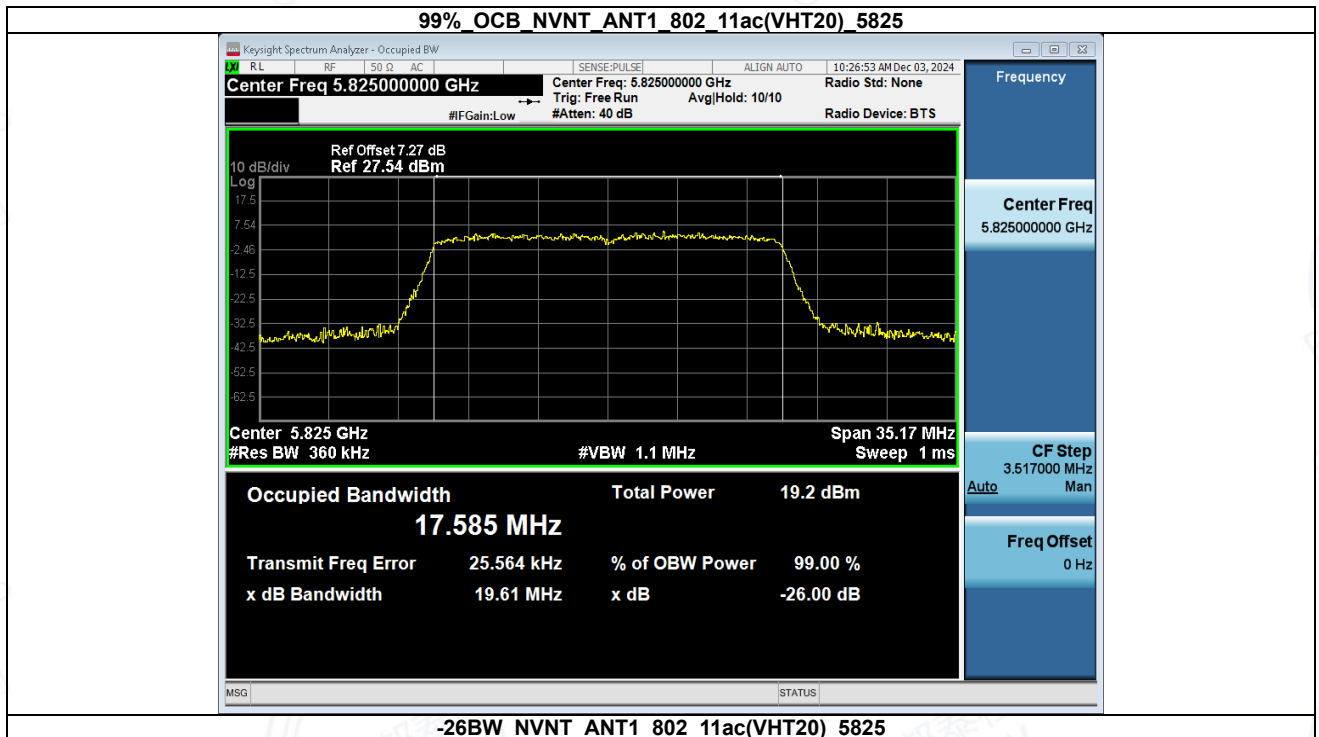
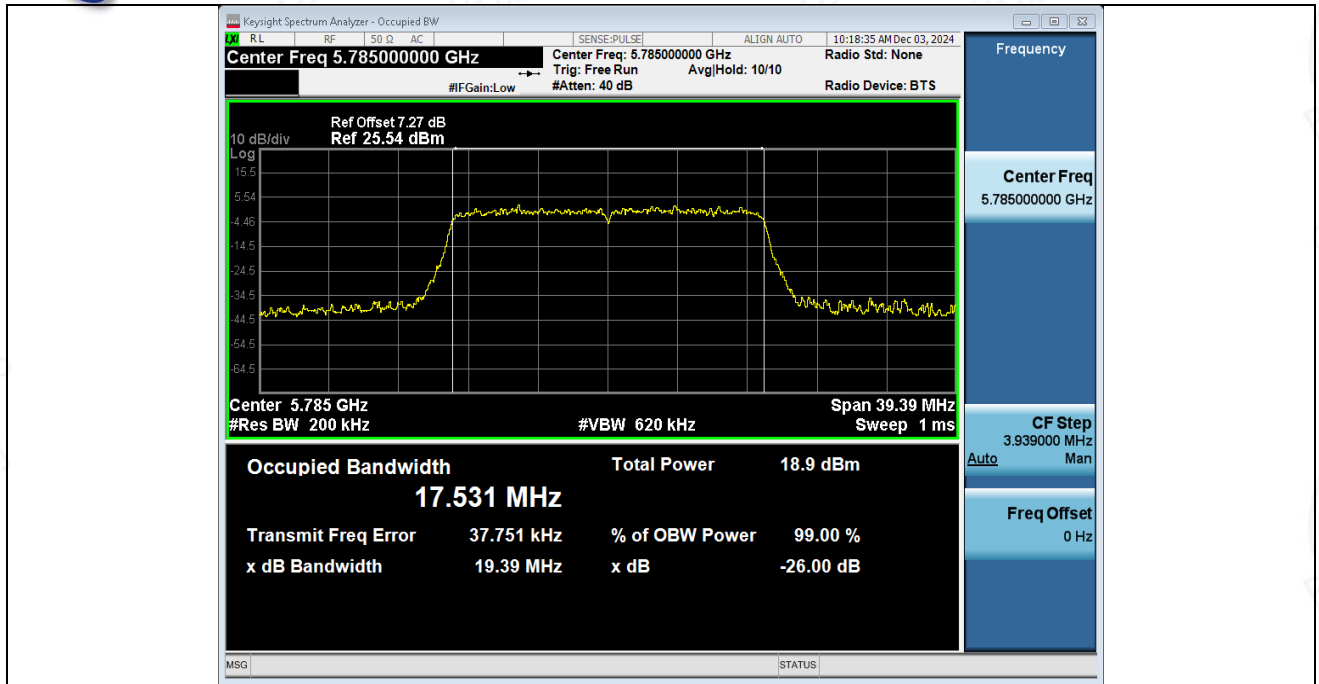


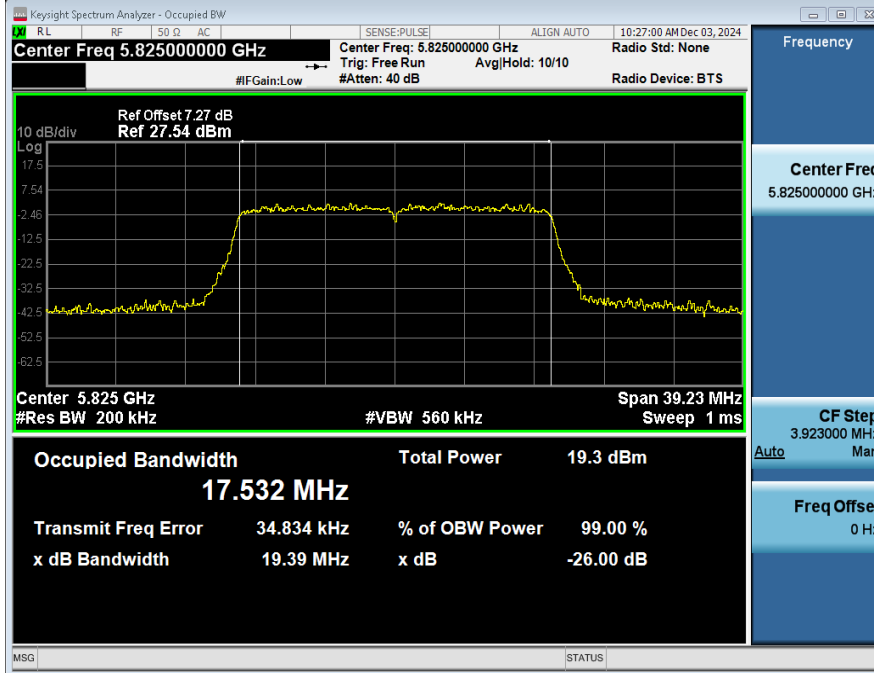
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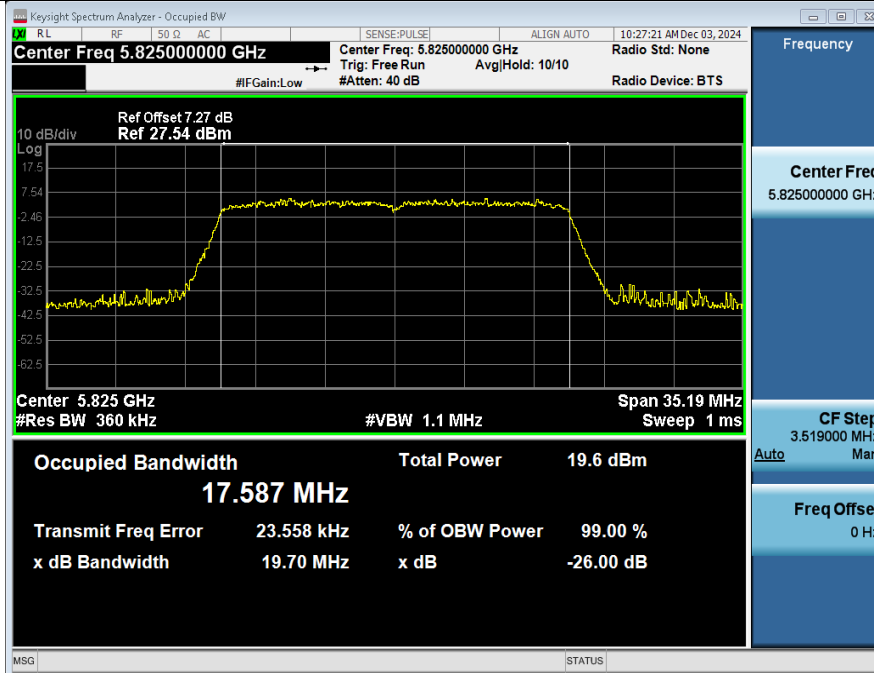
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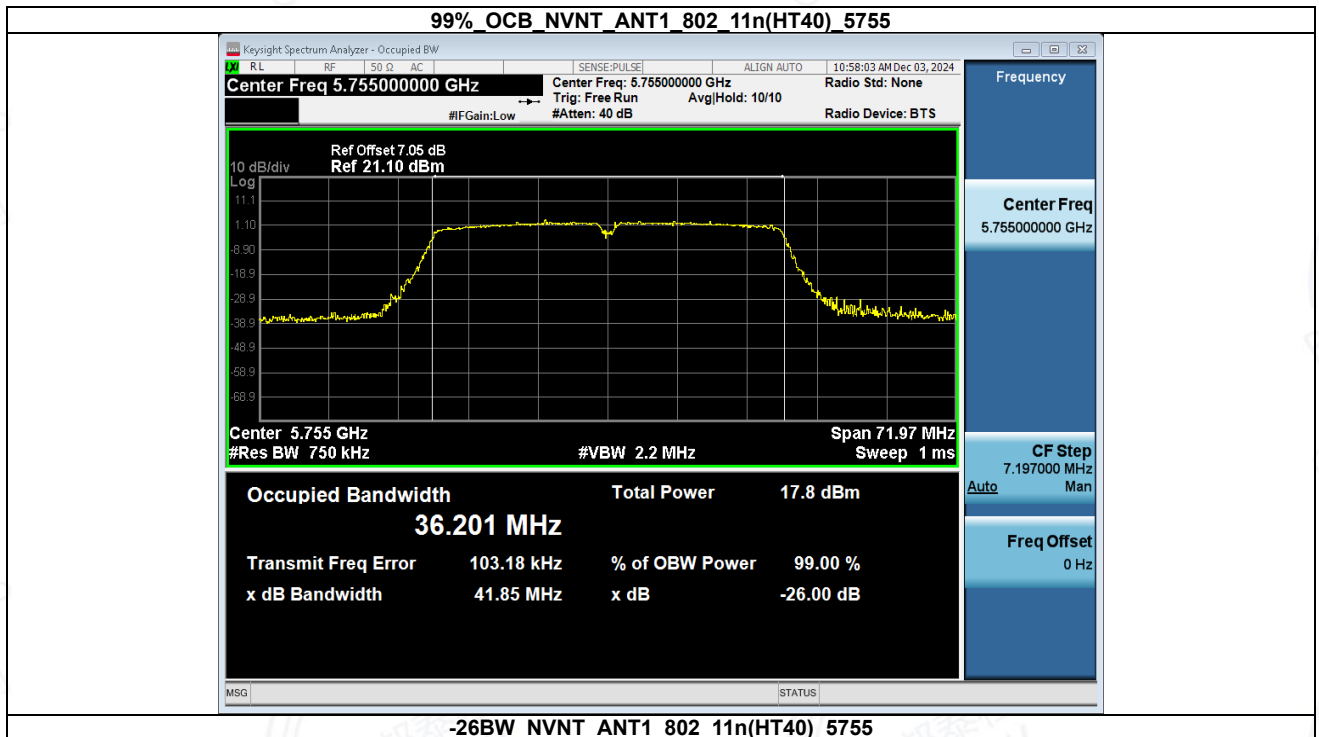
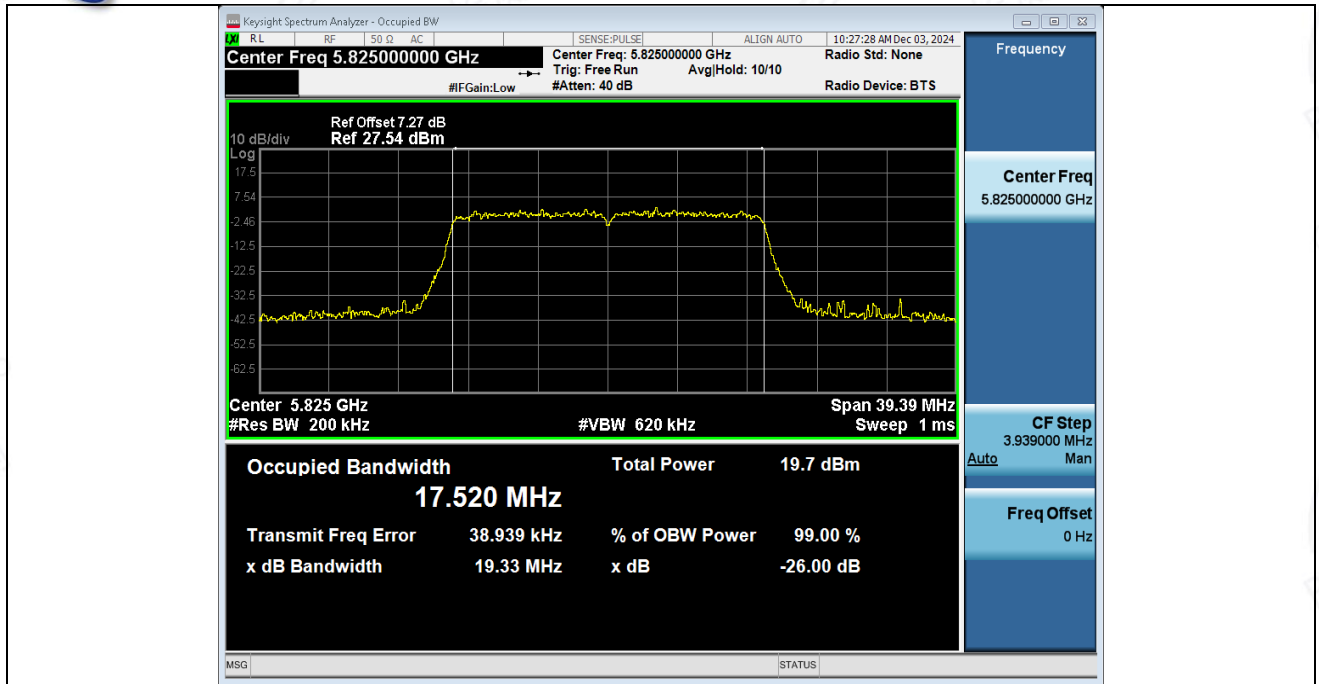


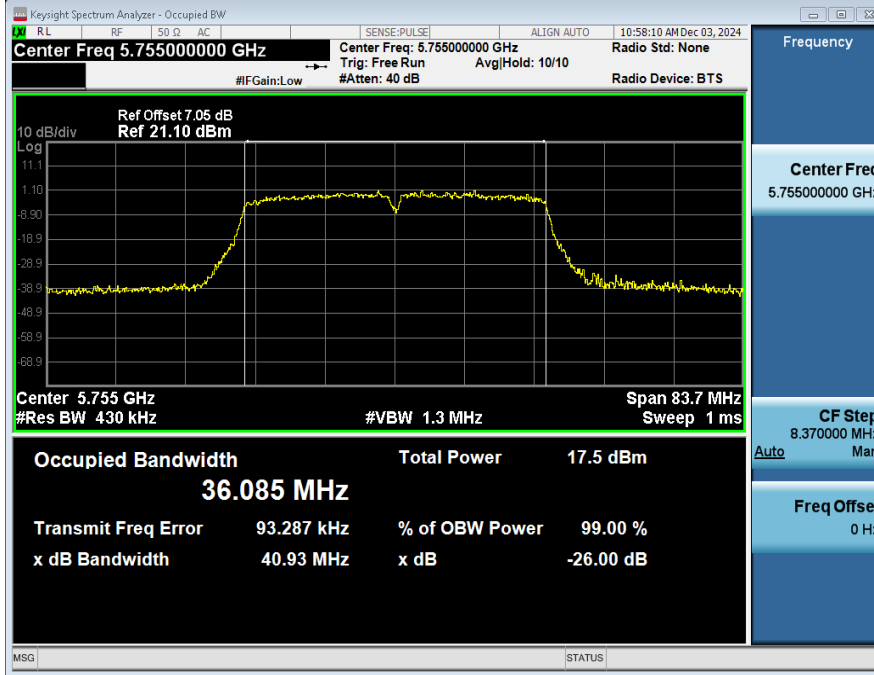
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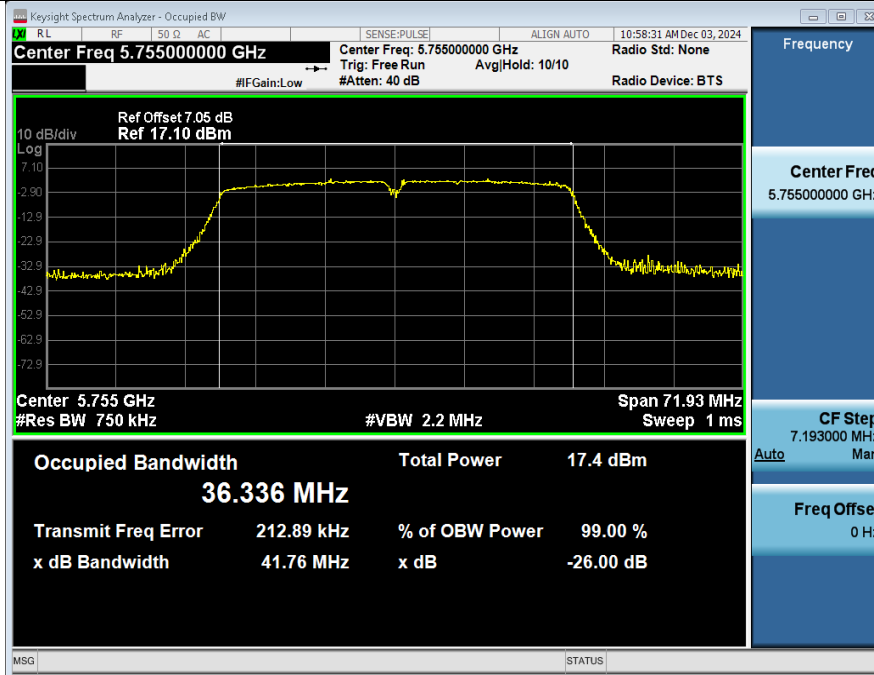
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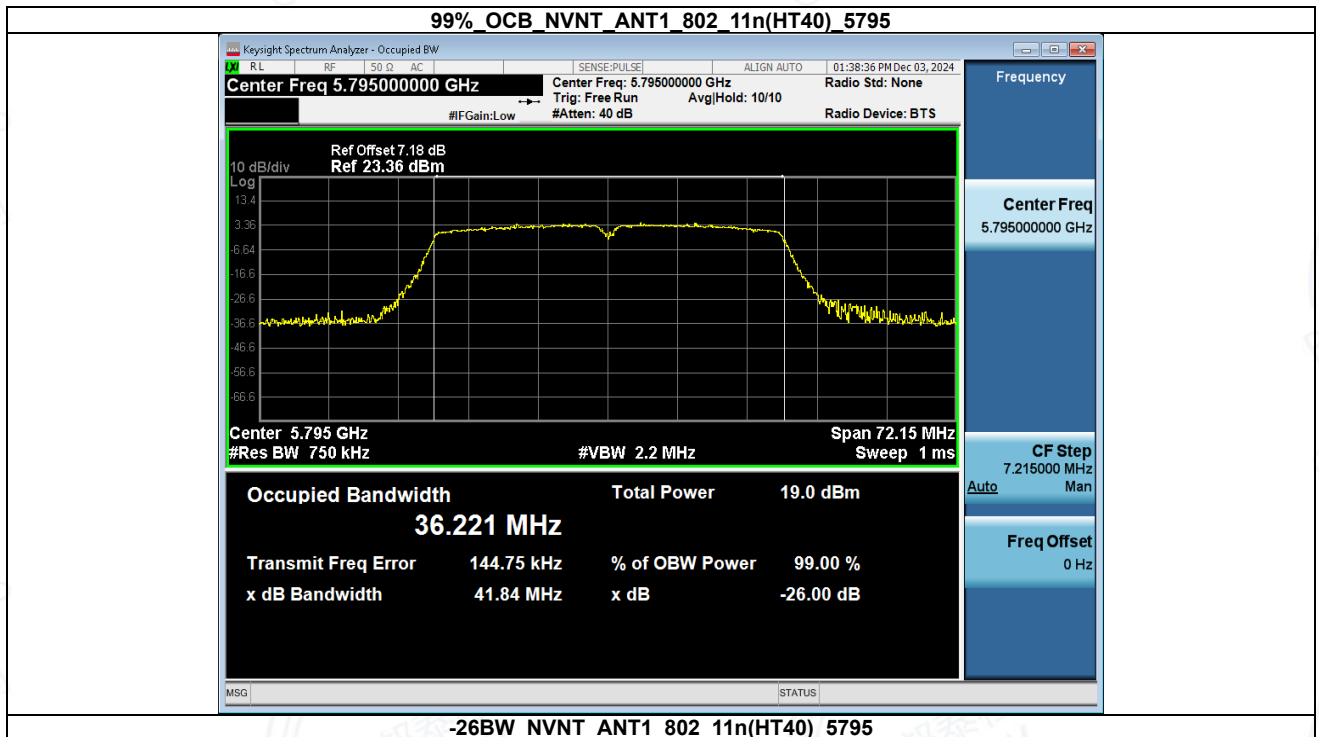
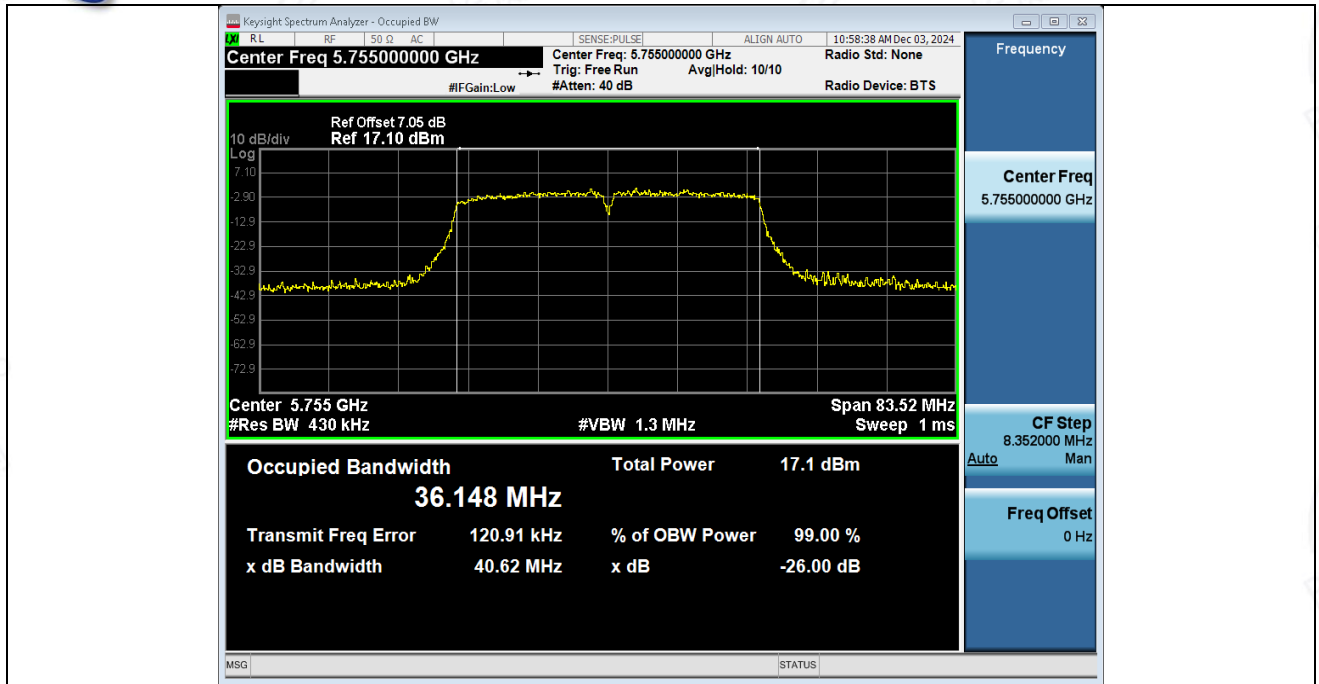


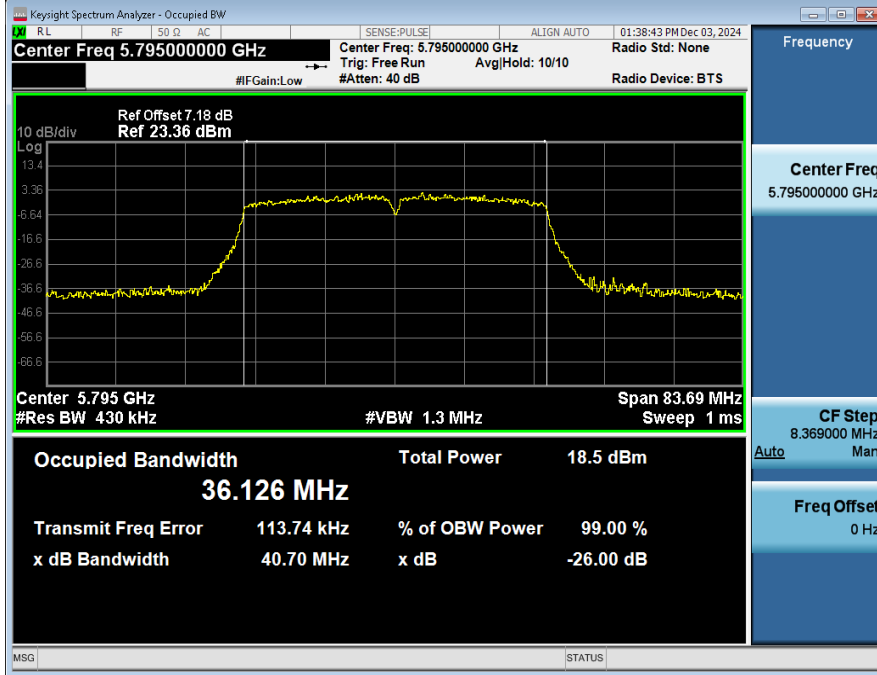
99%_OCB_NVNT_ANT2_802_11n(HT40)_5755



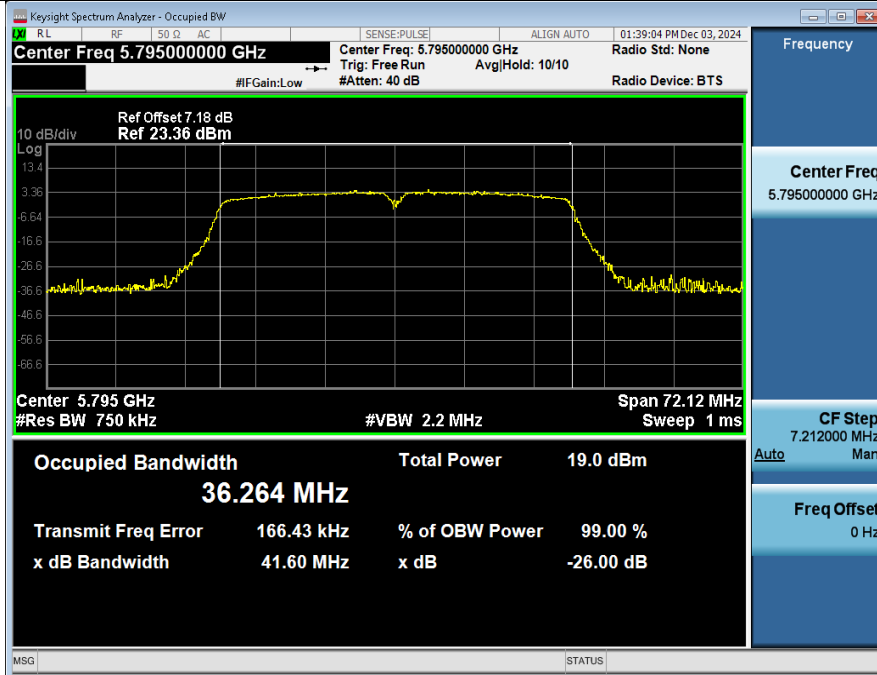
-26BW_NVNT_ANT2_802_11n(HT40)_5755





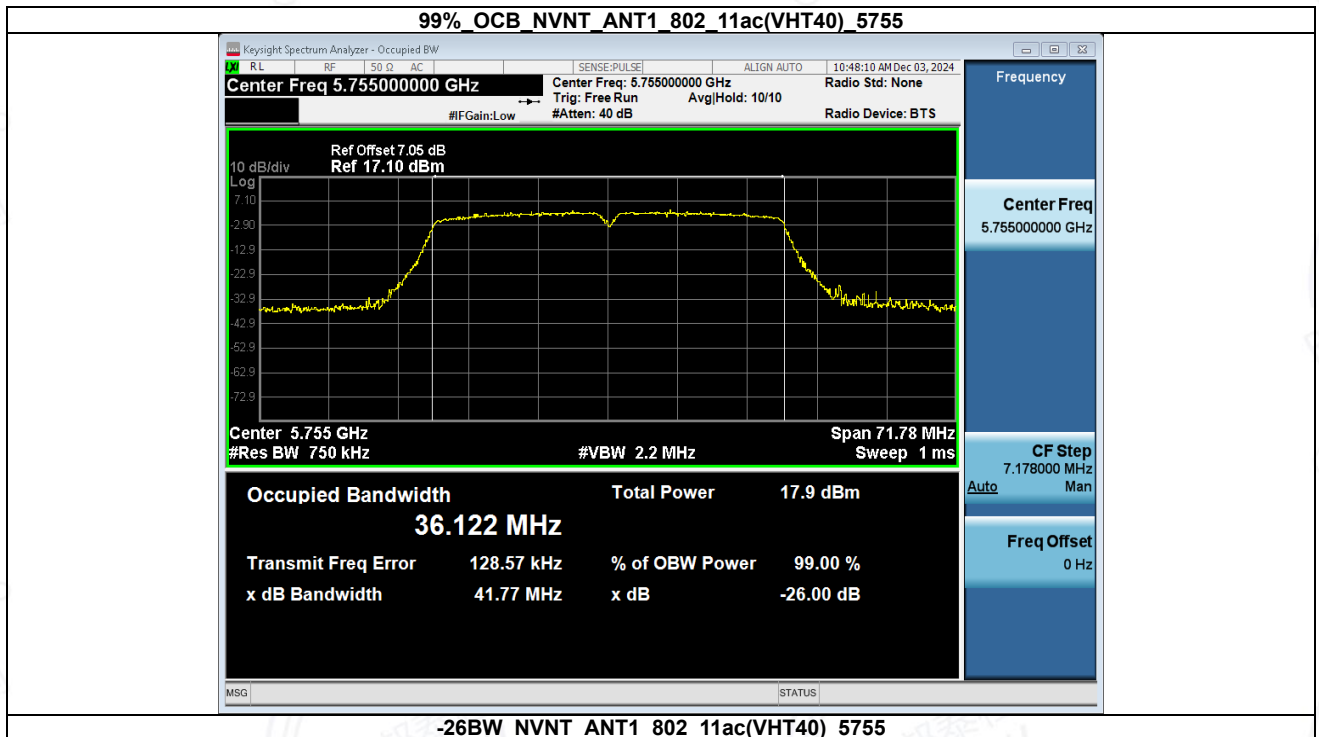
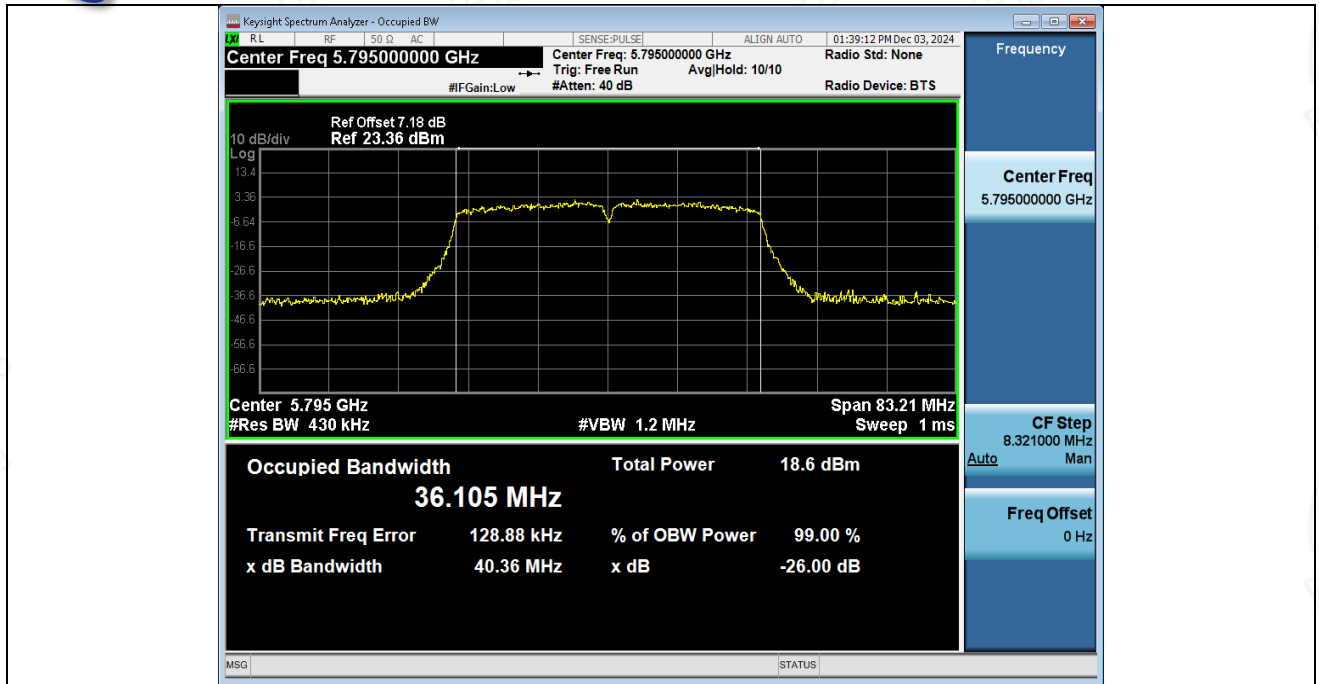


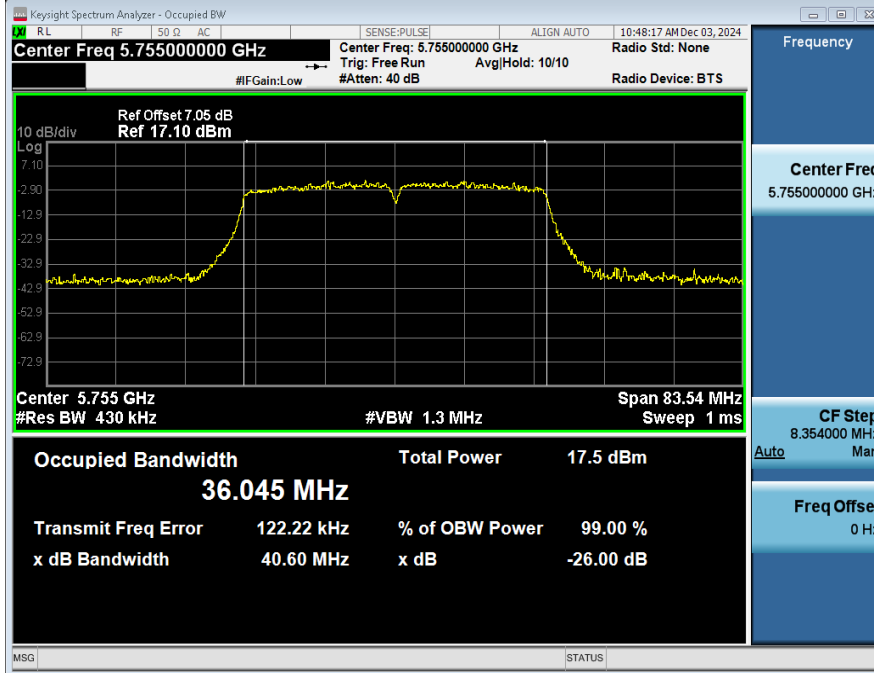
99%_OCB_NVNT_ANT2_802_11n(HT40)_5795



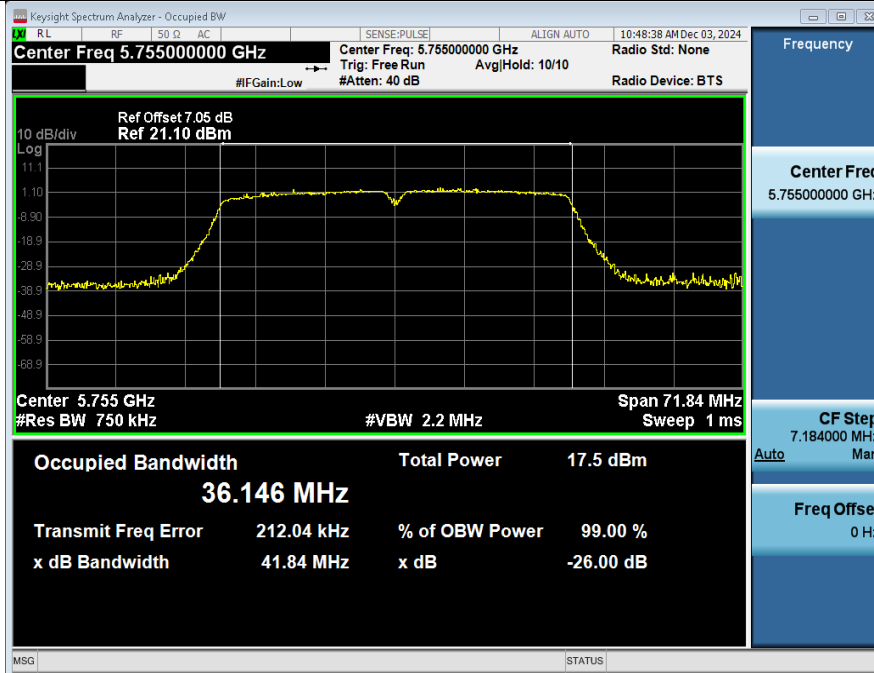
-26BW_NVNT_ANT2_802_11n(HT40)_5795





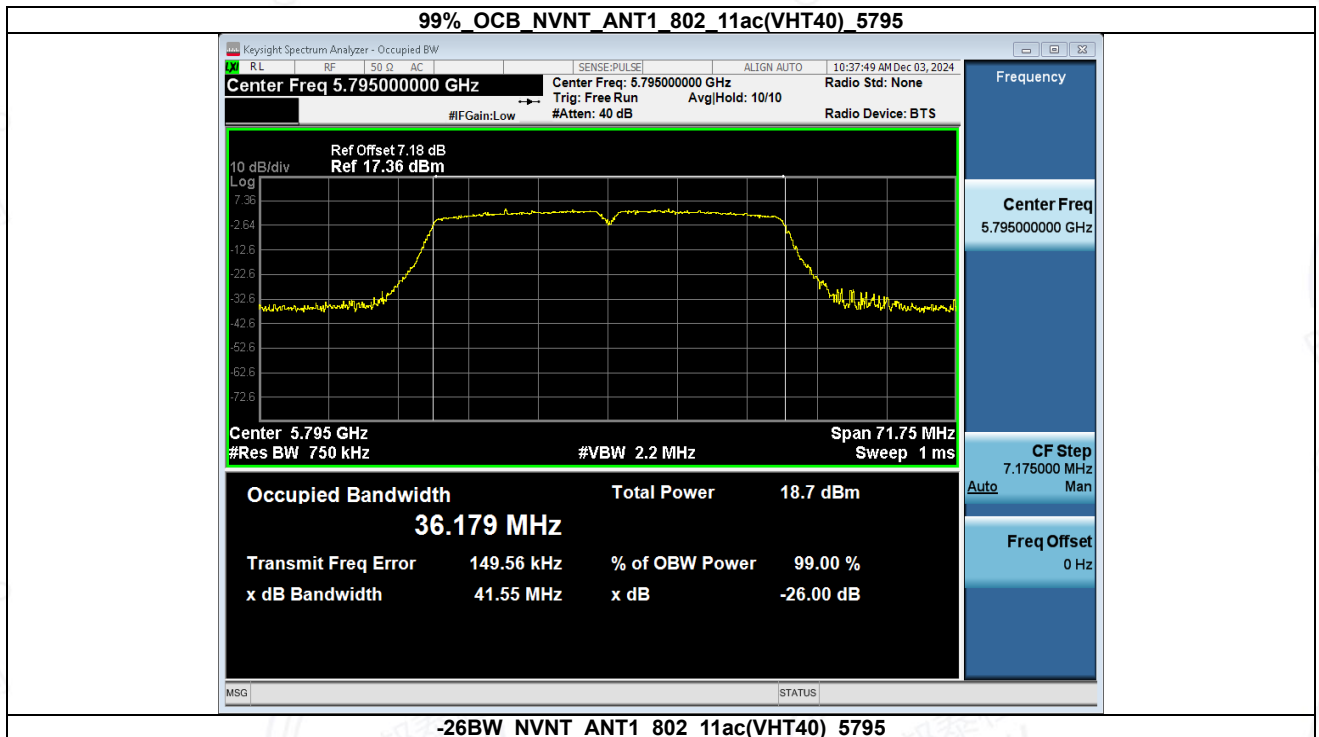
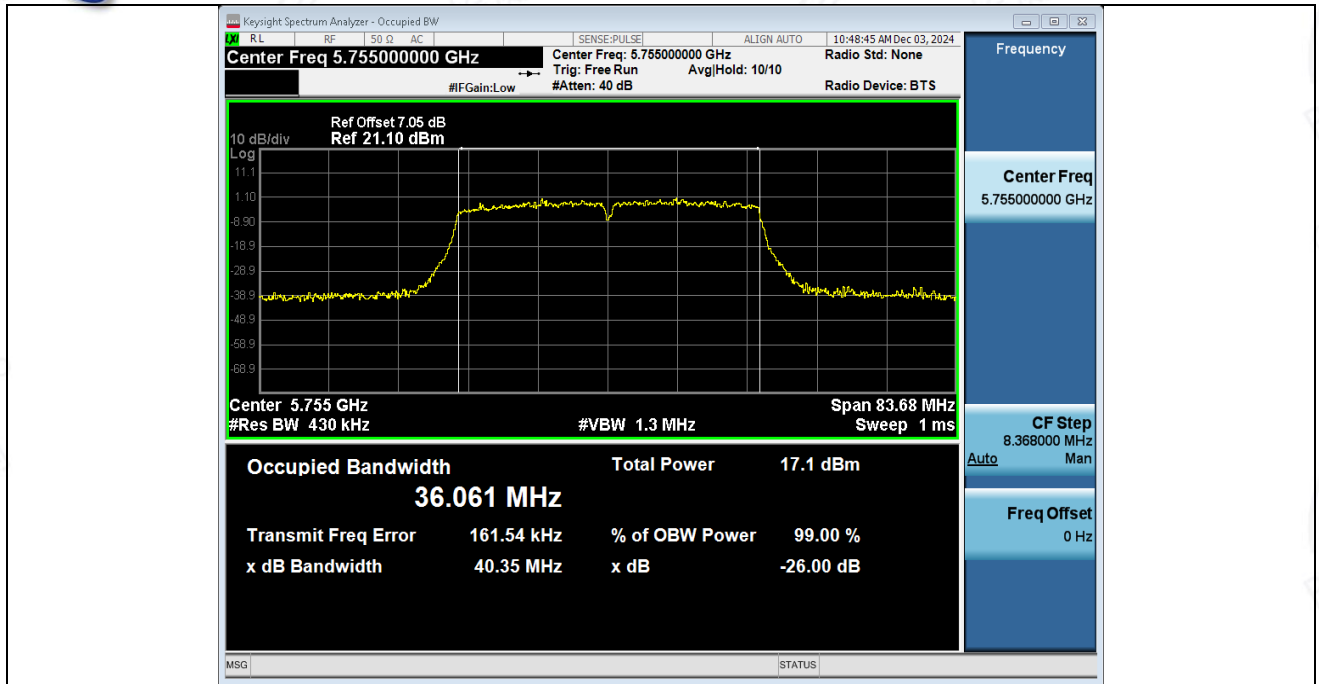


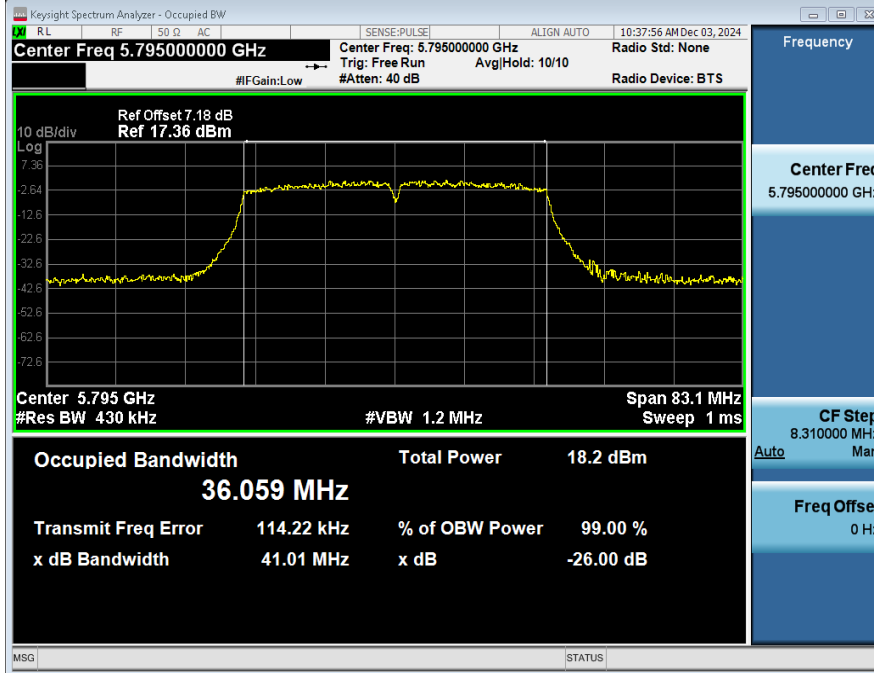
99%_OCB_NVNT_ANT2_802_11ac(VHT40)_5755



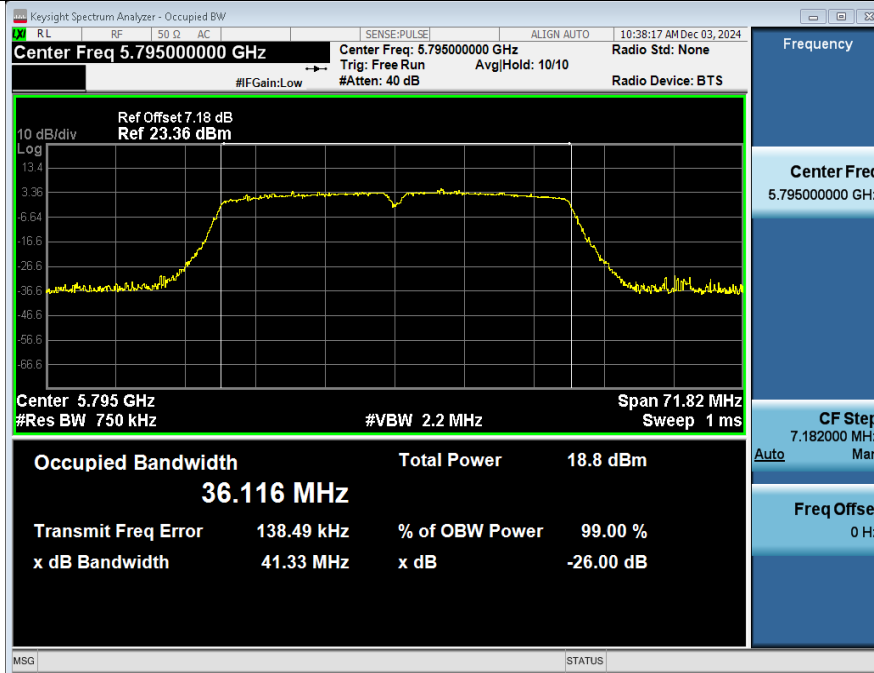
-26BW_NVNT_ANT2_802_11ac(VHT40)_5755





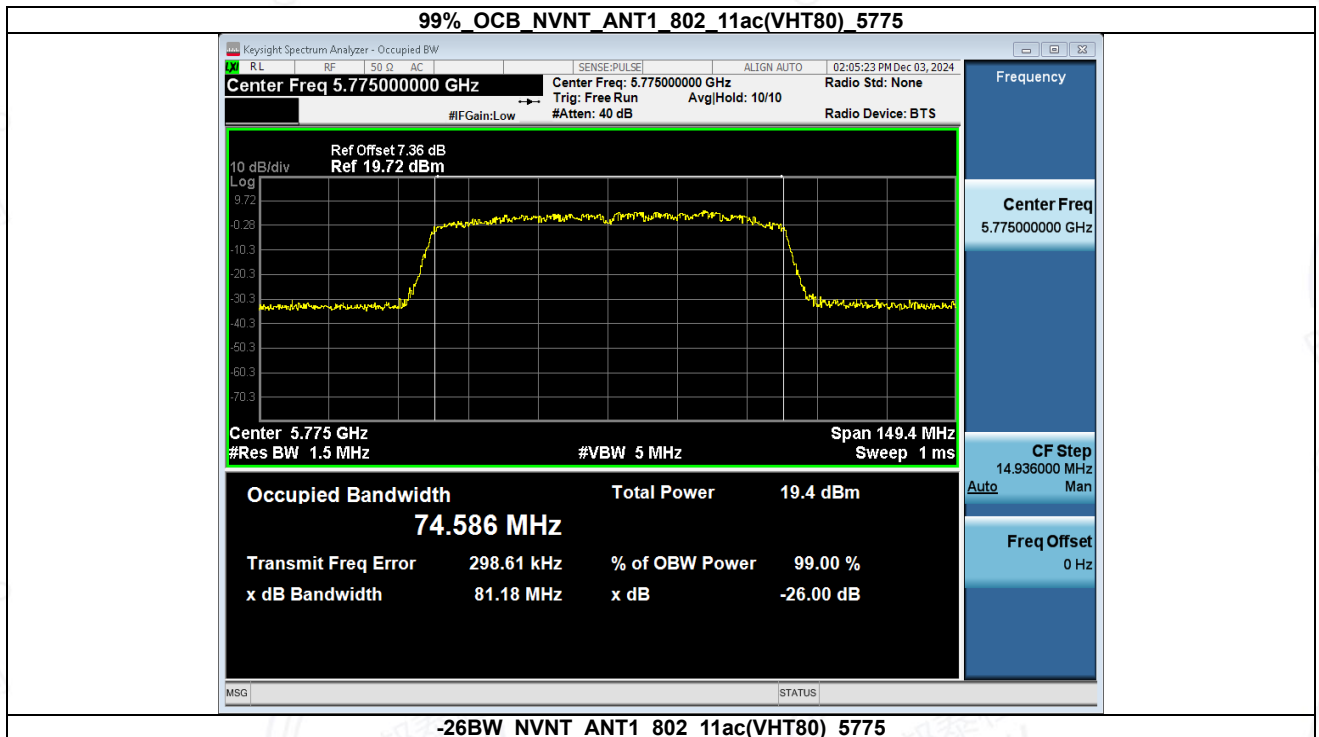
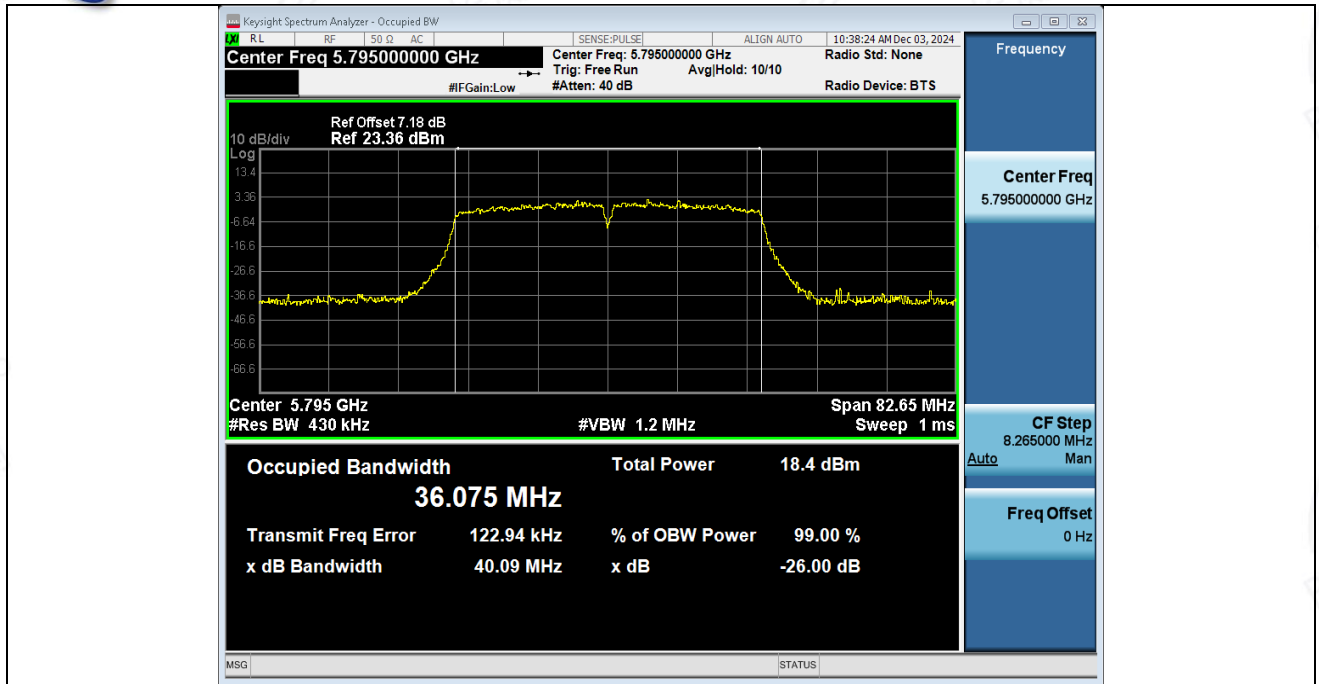


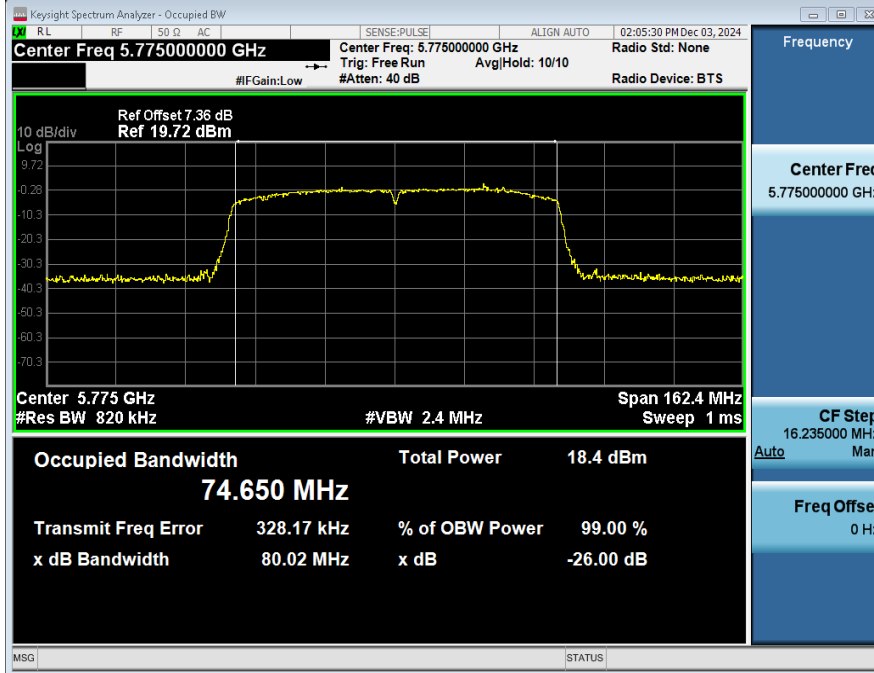
99%_OCB_NVNT_ANT2_802_11ac(VHT40)_5795



-26BW_NVNT_ANT2_802_11ac(VHT40)_5795





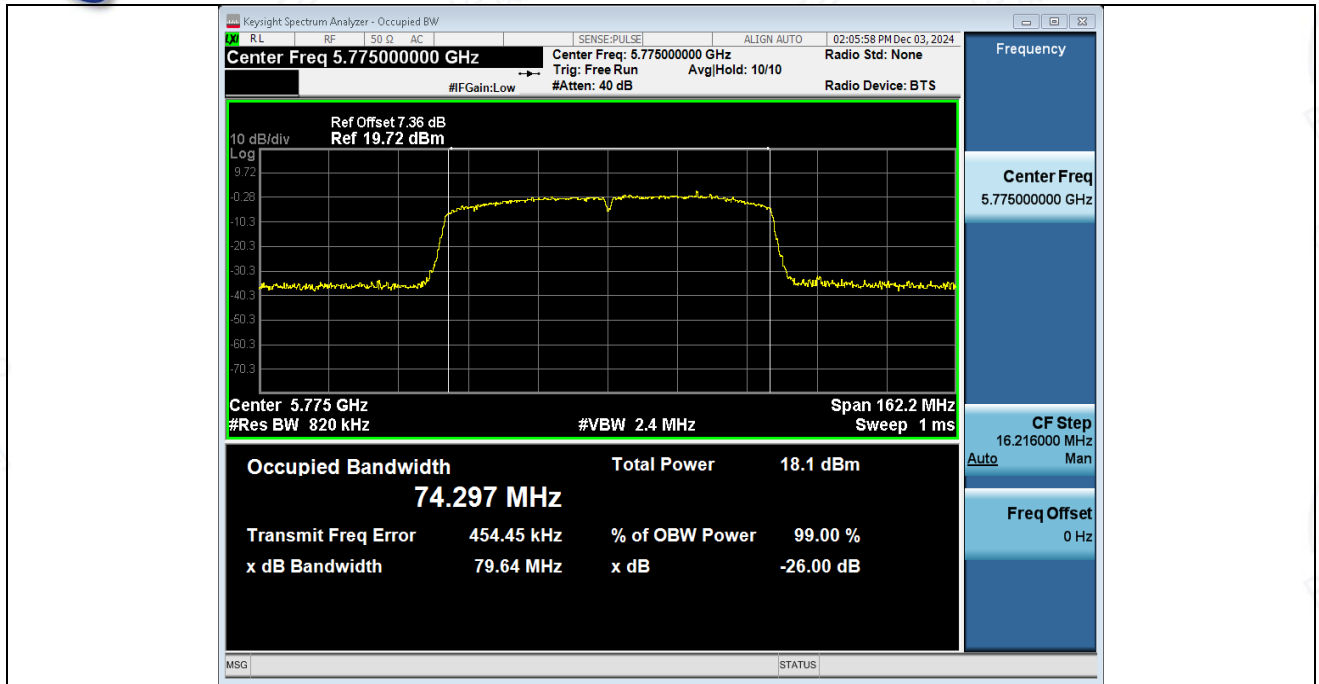


99%_OCB_NVNT_ANT2_802_11ac(VHT80)_5775



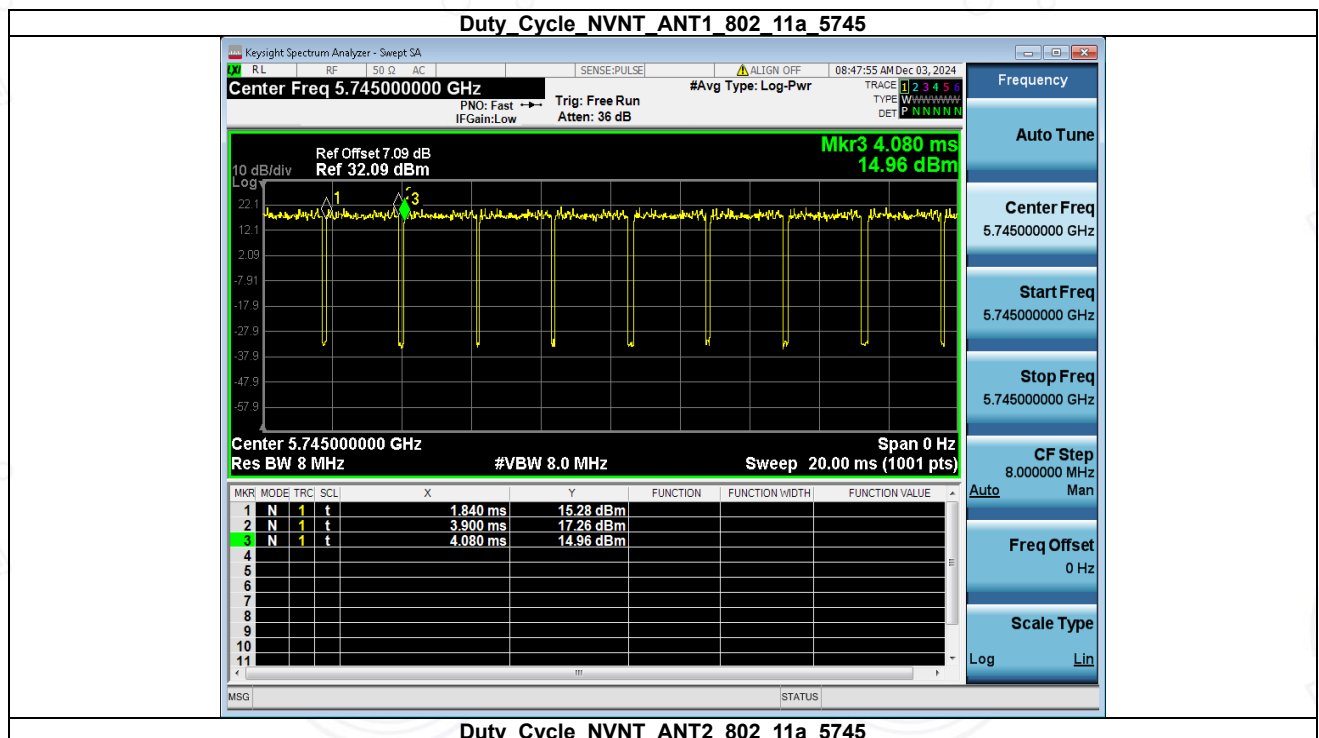
-26BW_NVNT_ANT2_802_11ac(VHT80)_5775

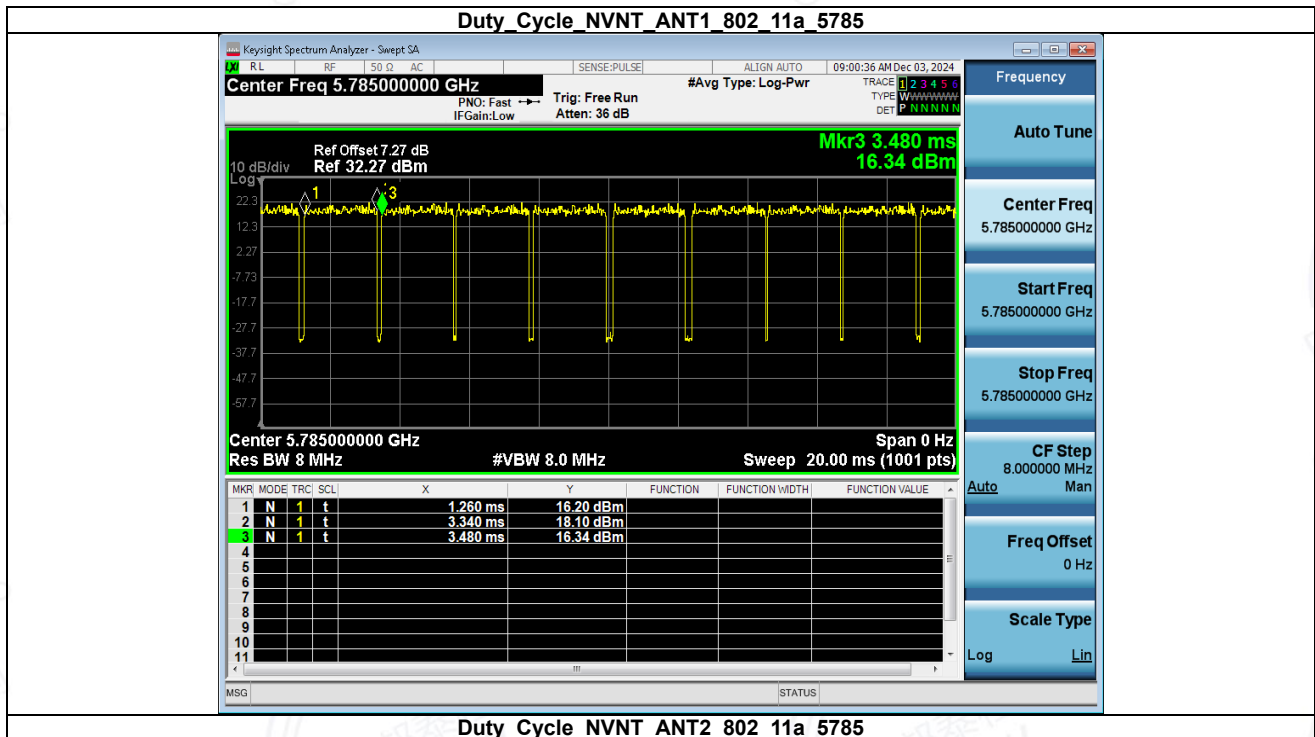
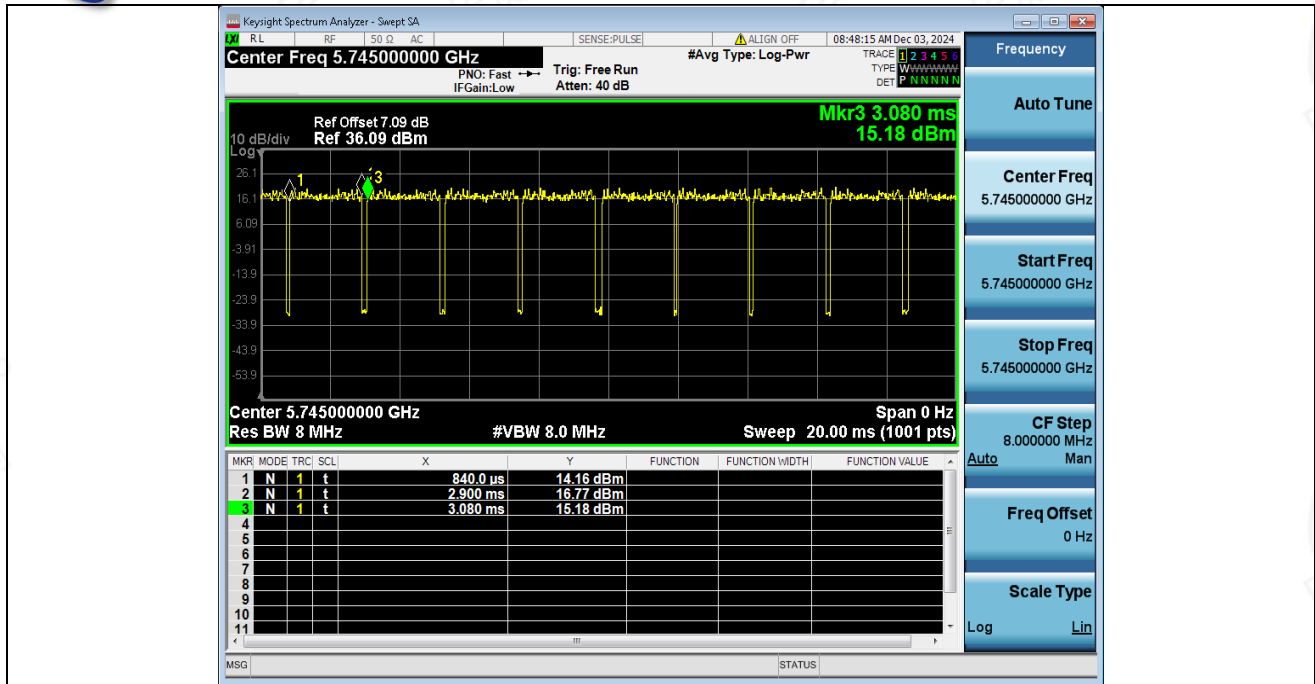


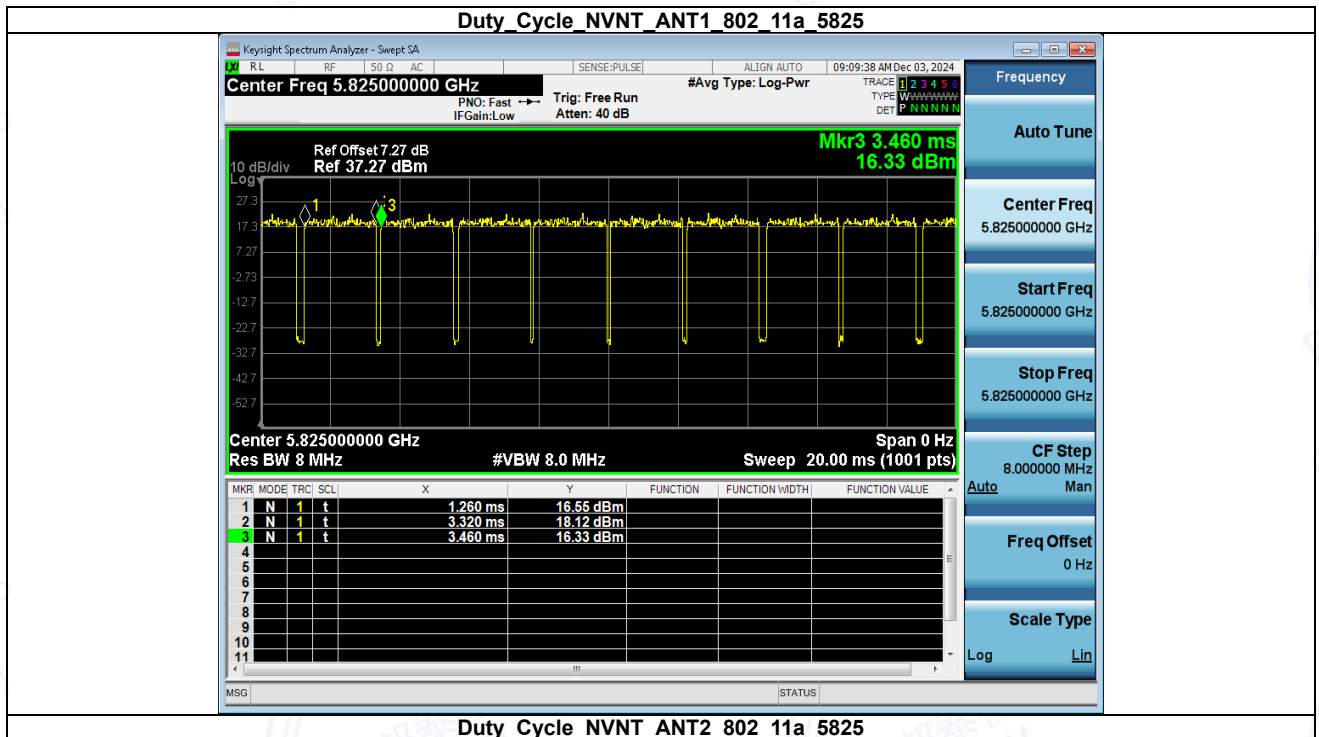
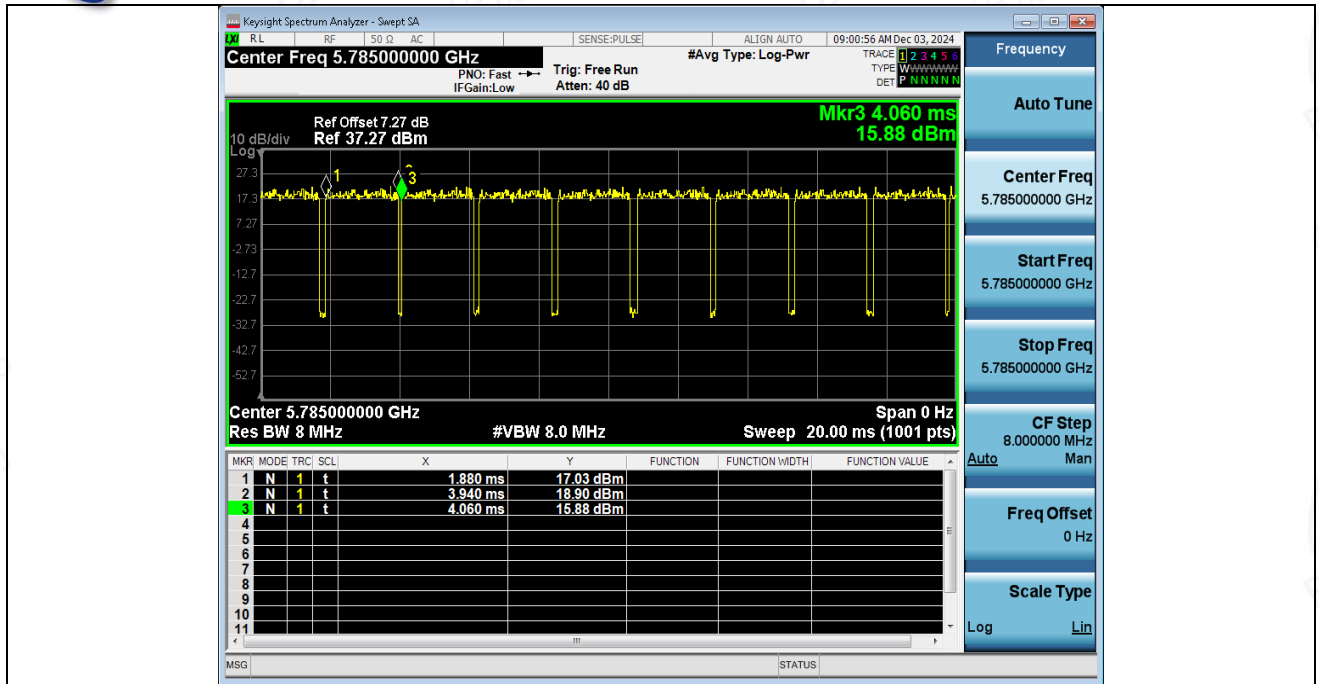


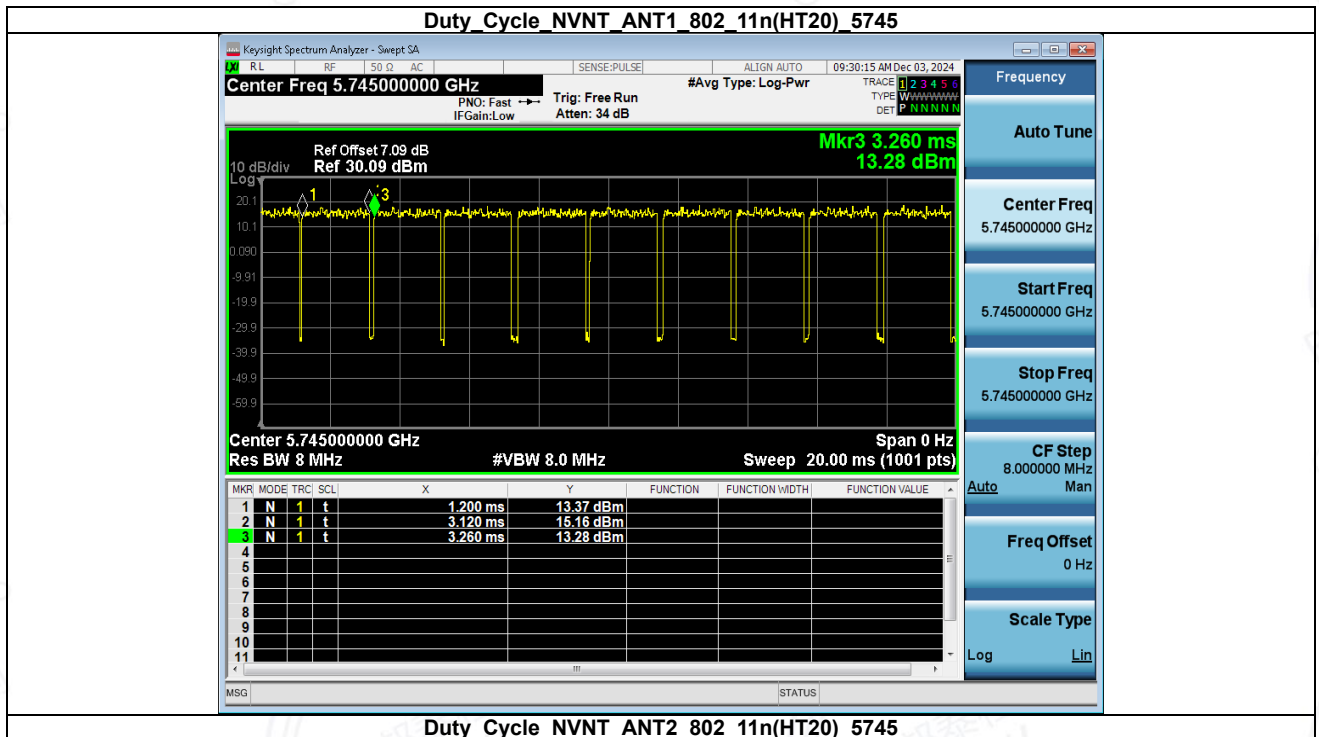
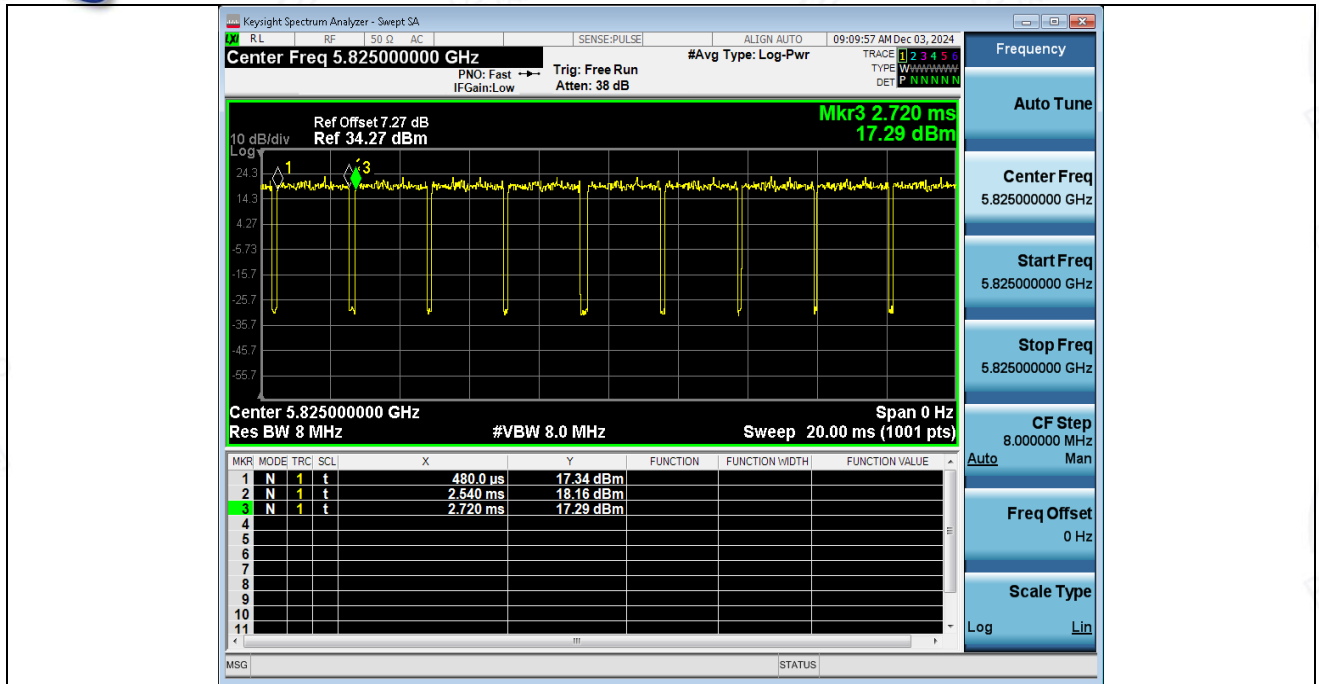
3. Duty Cycle

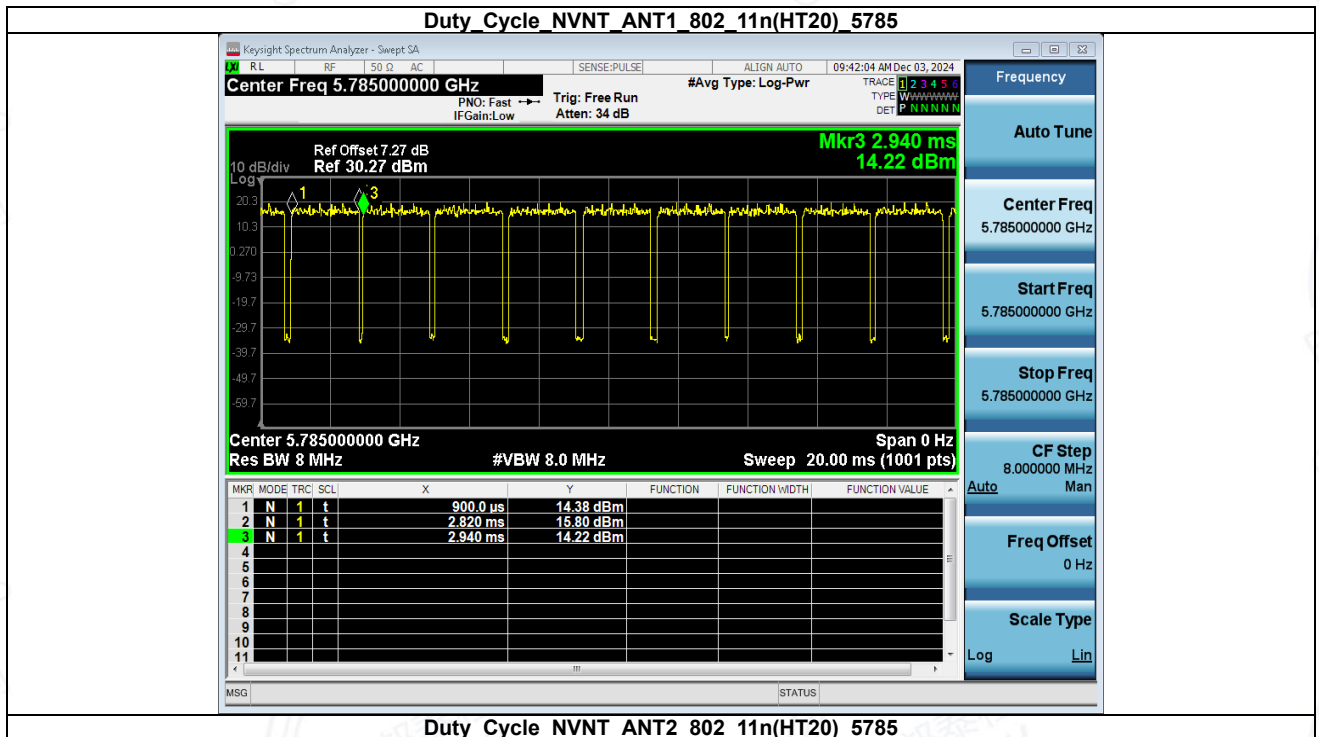
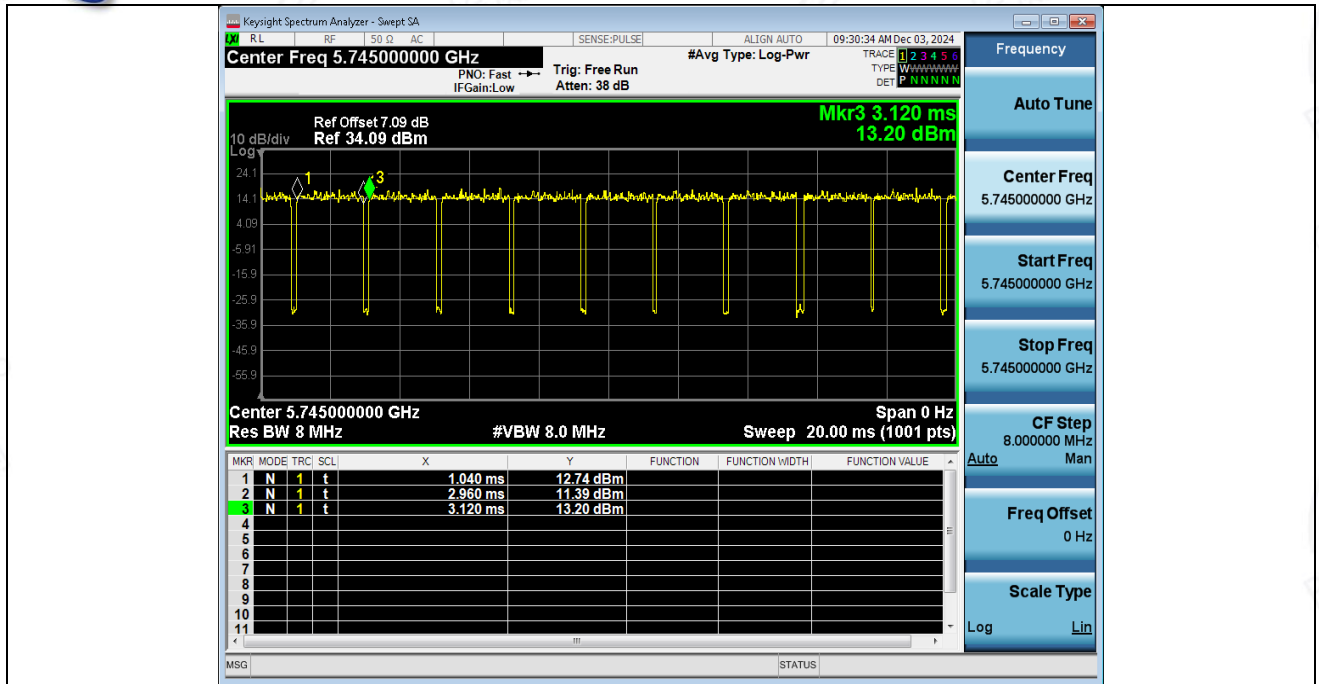
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5745.00	91.96	0.36
NVNT	ANT2	802.11a	5745.00	91.96	0.36
NVNT	ANT1	802.11a	5785.00	93.69	0.28
NVNT	ANT2	802.11a	5785.00	94.50	0.25
NVNT	ANT1	802.11a	5825.00	93.64	0.29
NVNT	ANT2	802.11a	5825.00	91.96	0.36
NVNT	ANT1	802.11n(HT20)	5745.00	93.20	0.31
NVNT	ANT2	802.11n(HT20)	5745.00	92.31	0.35
NVNT	ANT1	802.11n(HT20)	5785.00	94.12	0.26
NVNT	ANT2	802.11n(HT20)	5785.00	94.12	0.26
NVNT	ANT1	802.11n(HT20)	5825.00	94.12	0.26
NVNT	ANT2	802.11n(HT20)	5825.00	94.12	0.26
NVNT	ANT1	802.11ac(VHT20)	5745.00	90.57	0.43
NVNT	ANT2	802.11ac(VHT20)	5745.00	88.99	0.51
NVNT	ANT1	802.11ac(VHT20)	5785.00	93.20	0.31
NVNT	ANT2	802.11ac(VHT20)	5785.00	88.89	0.51
NVNT	ANT1	802.11ac(VHT20)	5825.00	90.65	0.43
NVNT	ANT2	802.11ac(VHT20)	5825.00	92.31	0.35
NVNT	ANT1	802.11n(HT40)	5755.00	90.38	0.44
NVNT	ANT2	802.11n(HT40)	5755.00	82.46	0.84
NVNT	ANT1	802.11n(HT40)	5795.00	88.68	0.52
NVNT	ANT2	802.11n(HT40)	5795.00	82.76	0.82
NVNT	ANT1	802.11ac(VHT40)	5755.00	84.21	0.75
NVNT	ANT2	802.11ac(VHT40)	5755.00	87.27	0.59
NVNT	ANT1	802.11ac(VHT40)	5795.00	87.27	0.59
NVNT	ANT2	802.11ac(VHT40)	5795.00	67.61	1.70
NVNT	ANT1	802.11ac(VHT80)	5775.00	76.67	1.15
NVNT	ANT2	802.11ac(VHT80)	5775.00	74.19	1.30

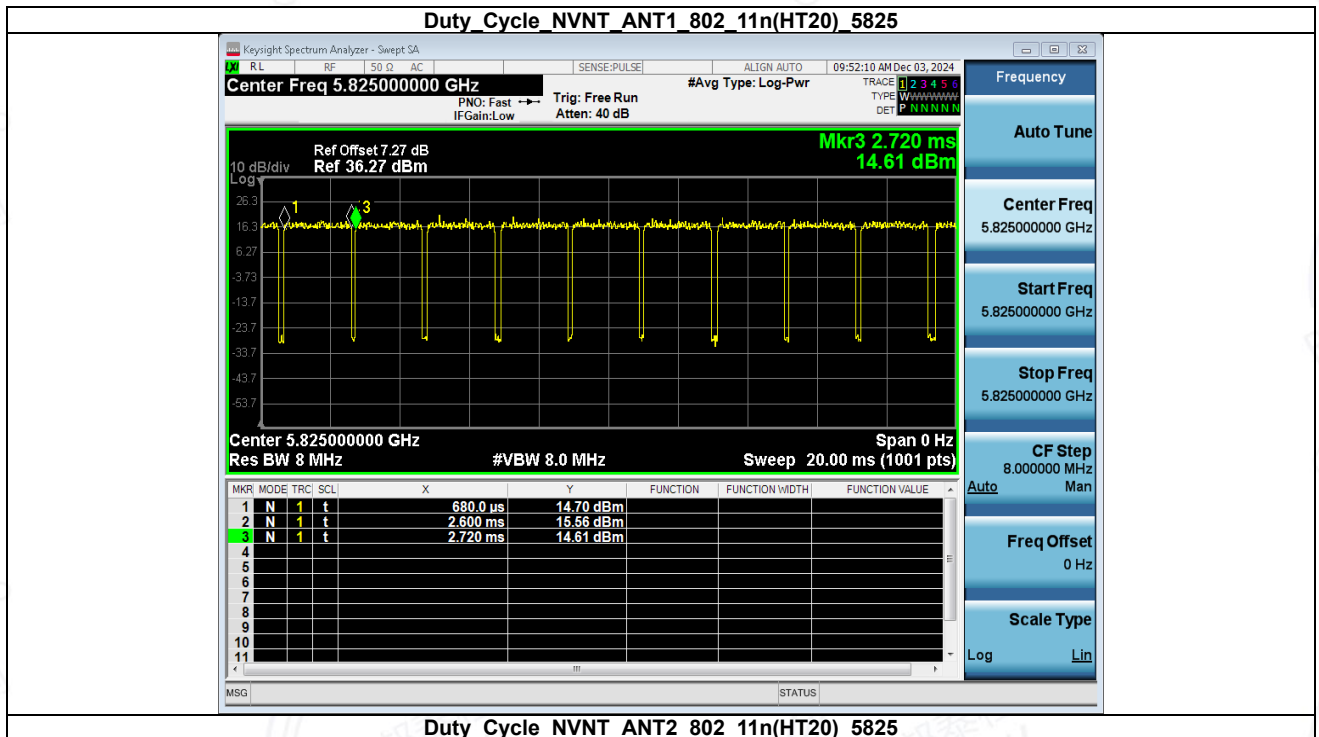
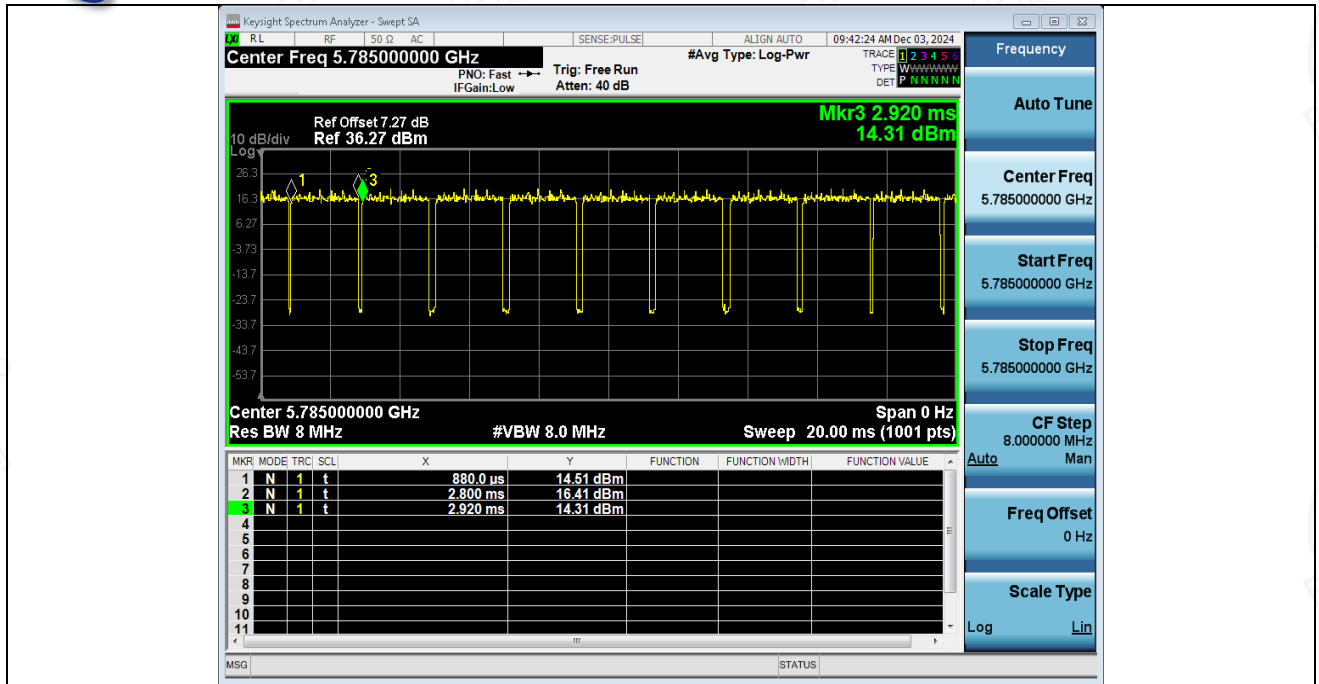


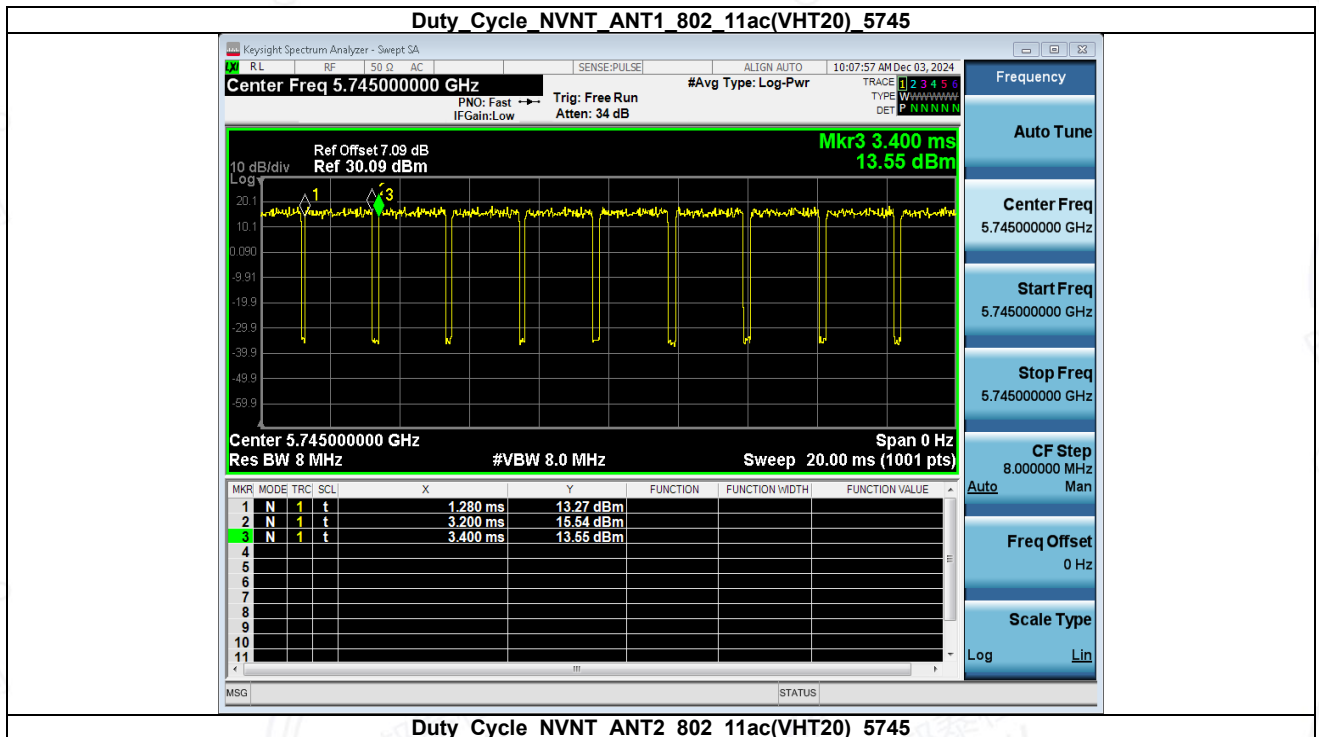
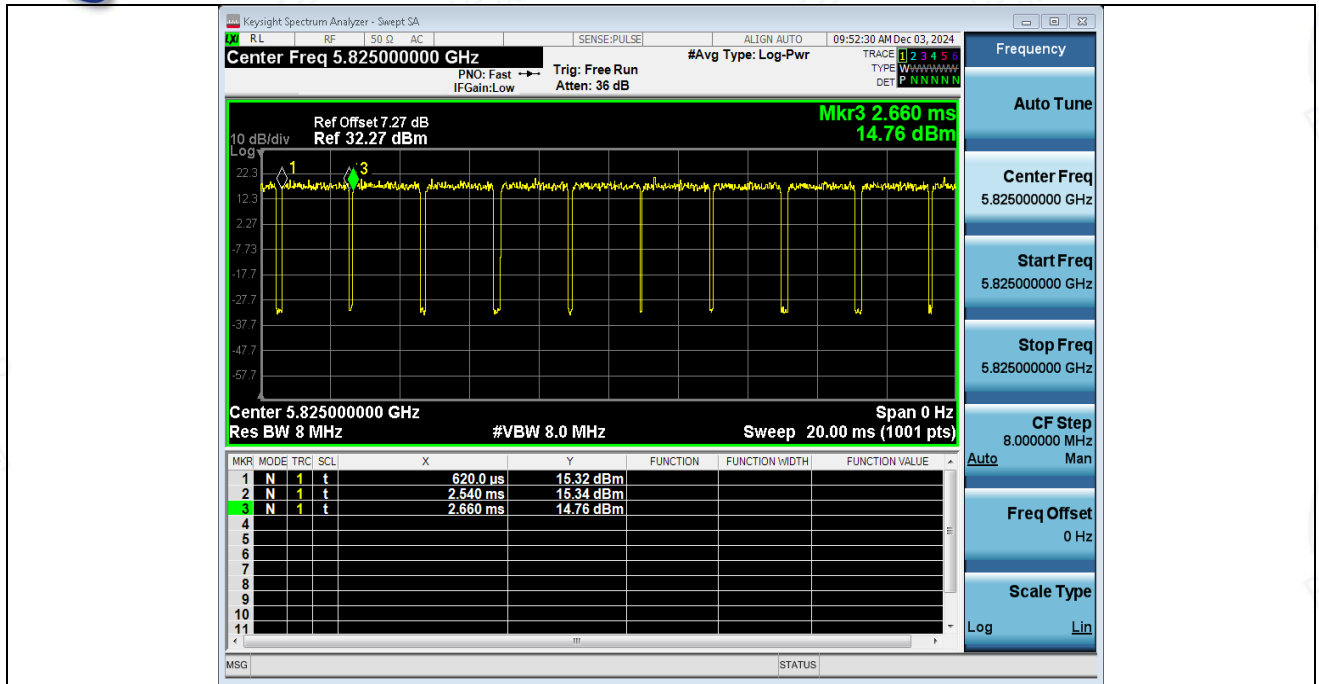


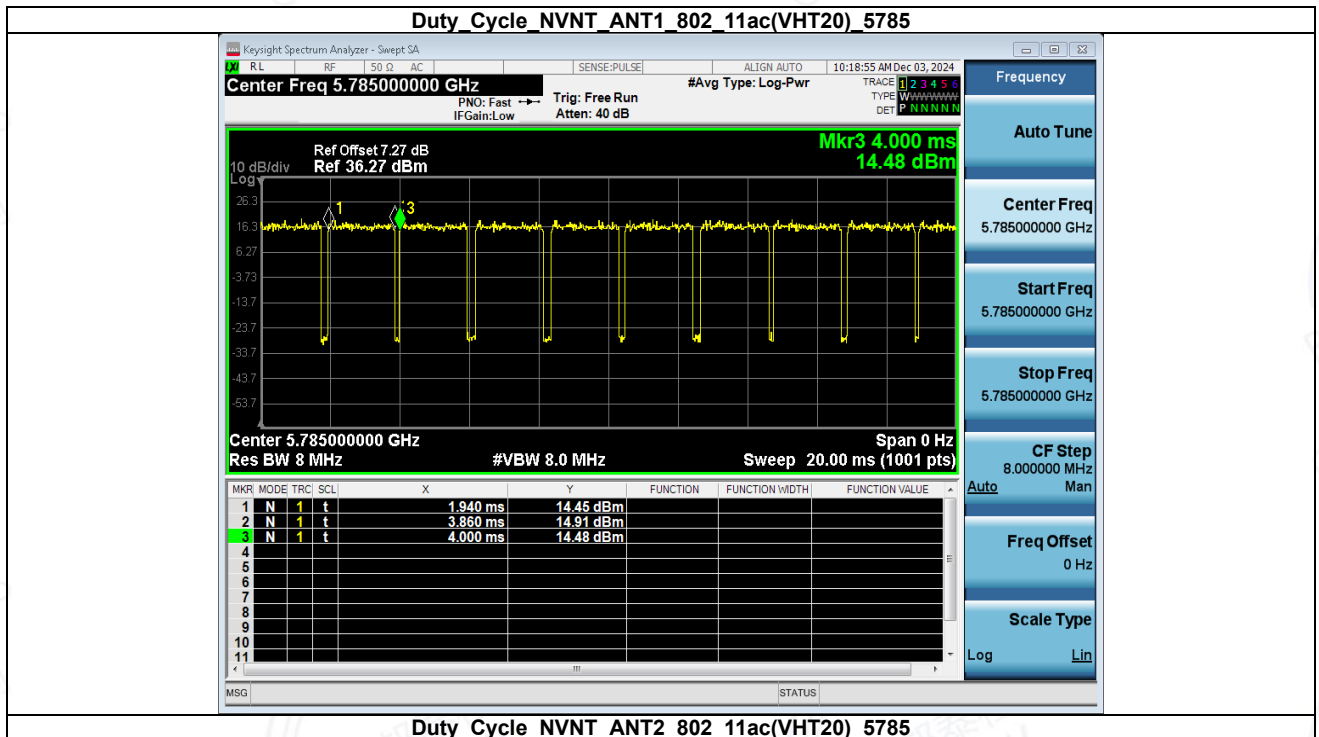
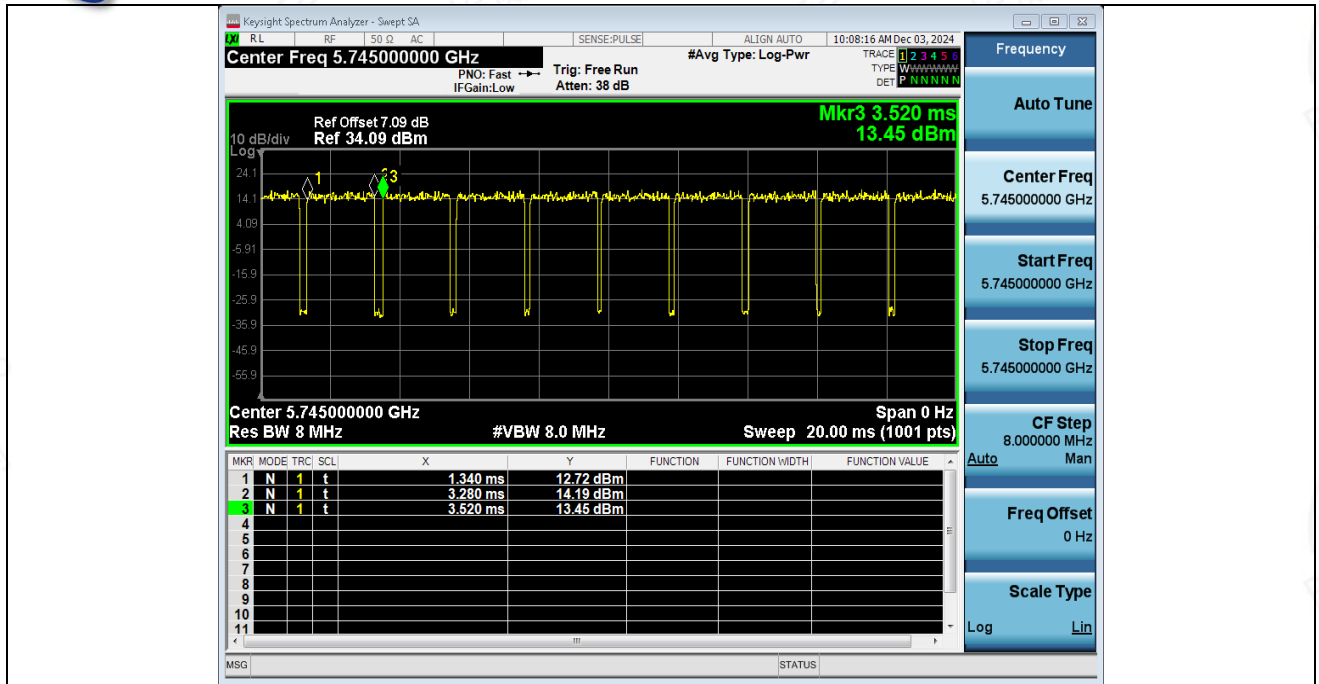


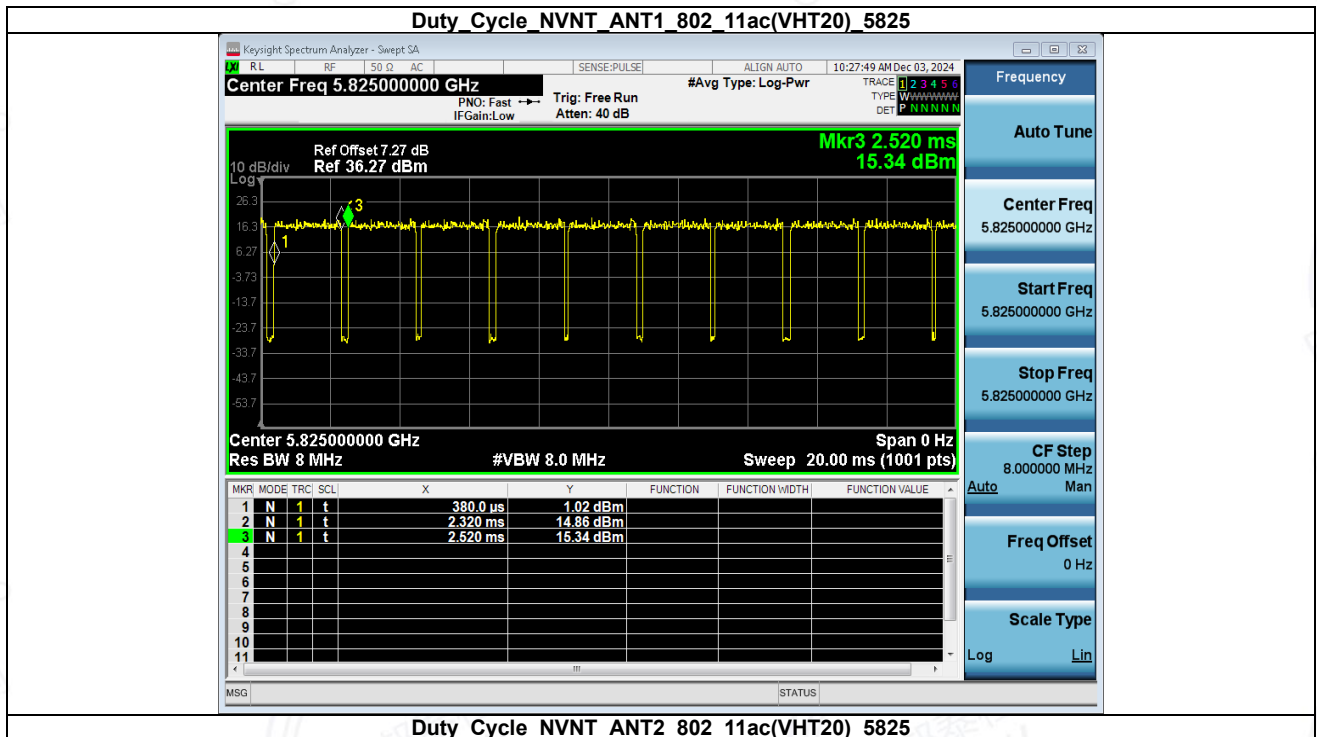
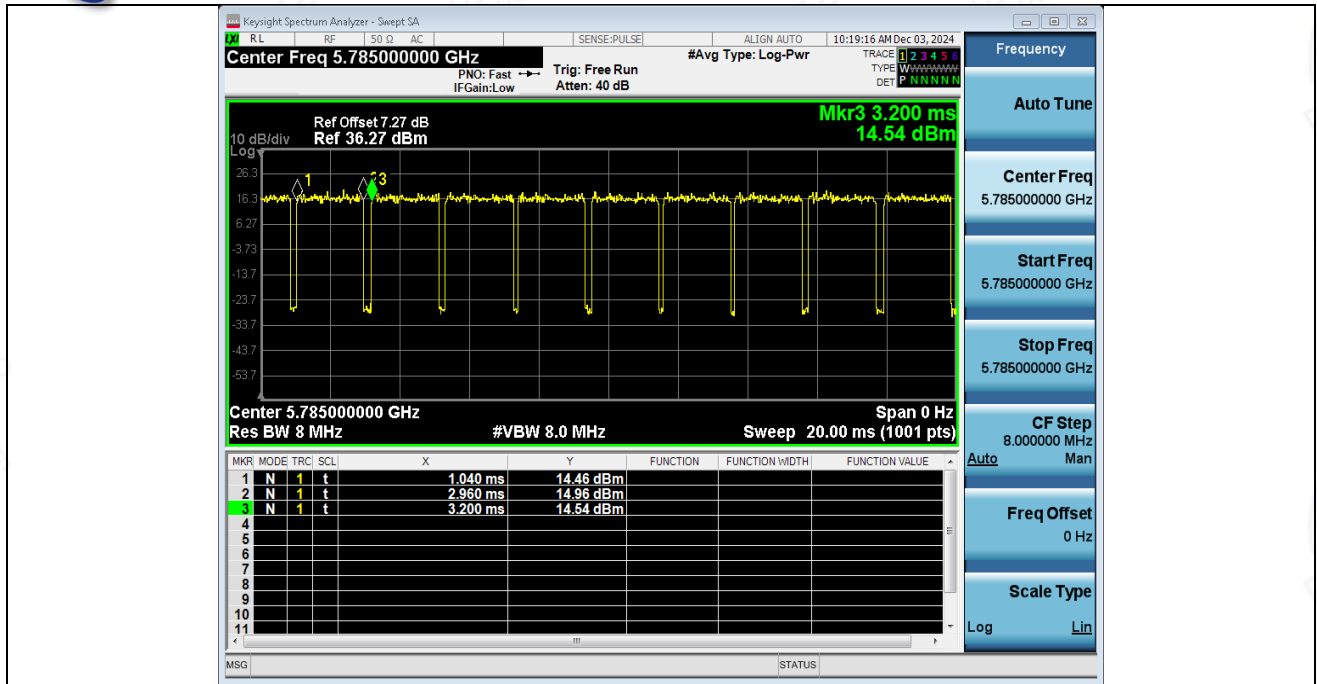


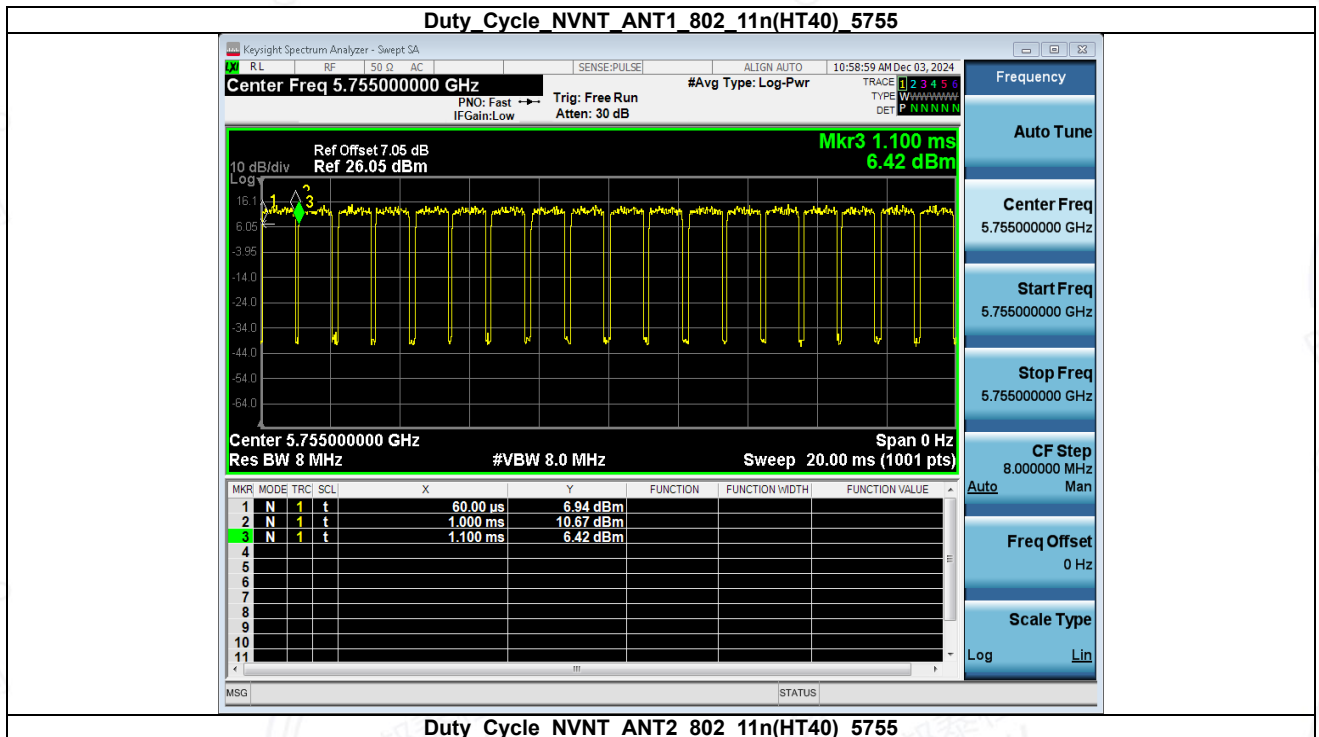
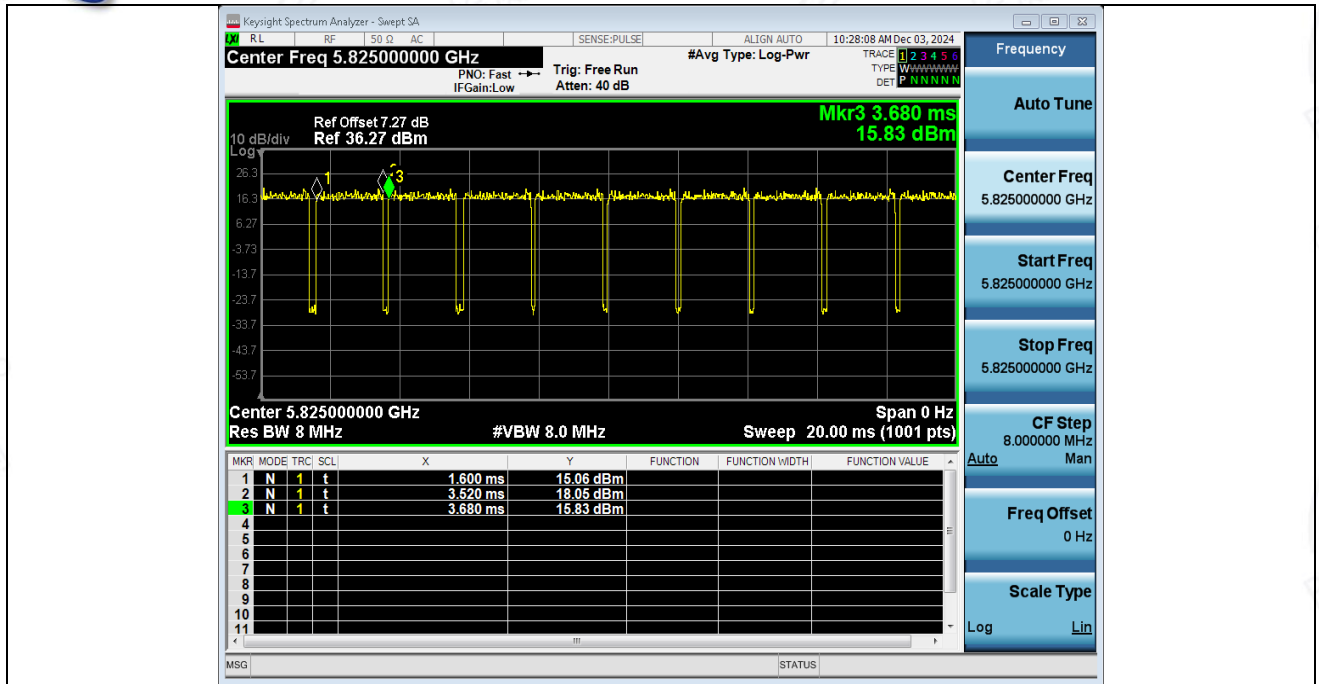


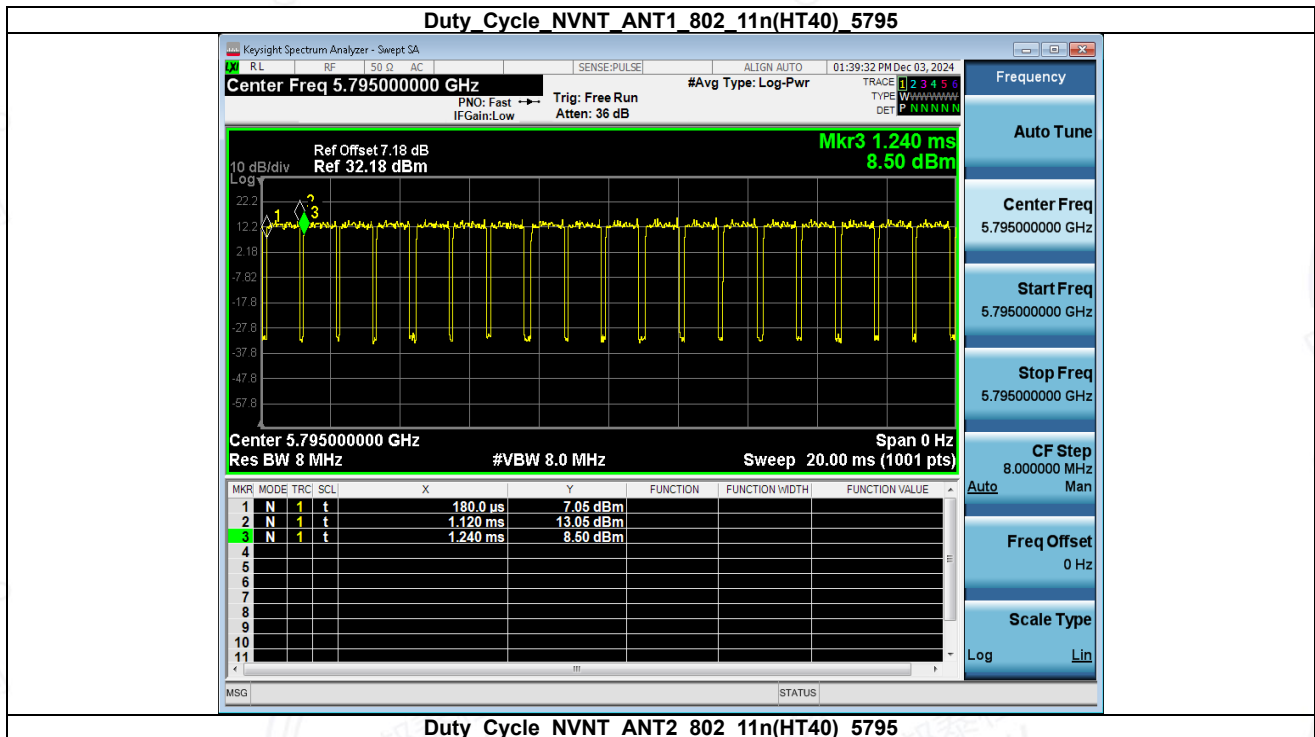
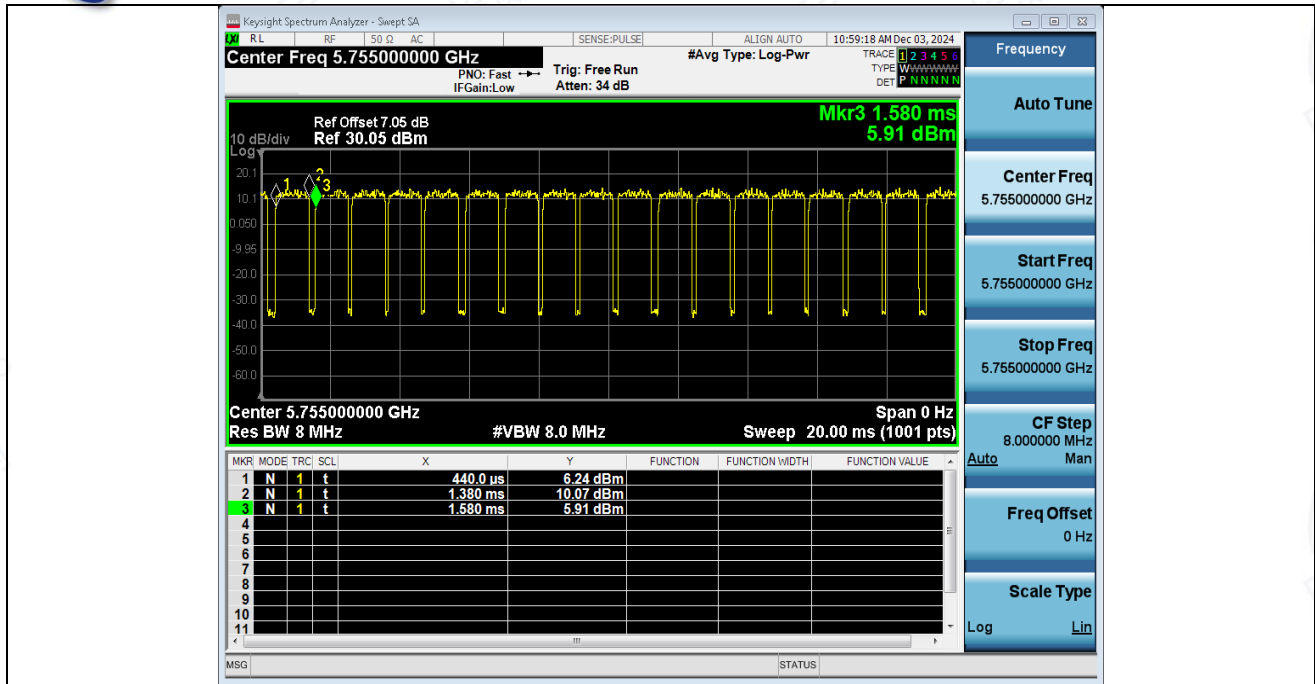


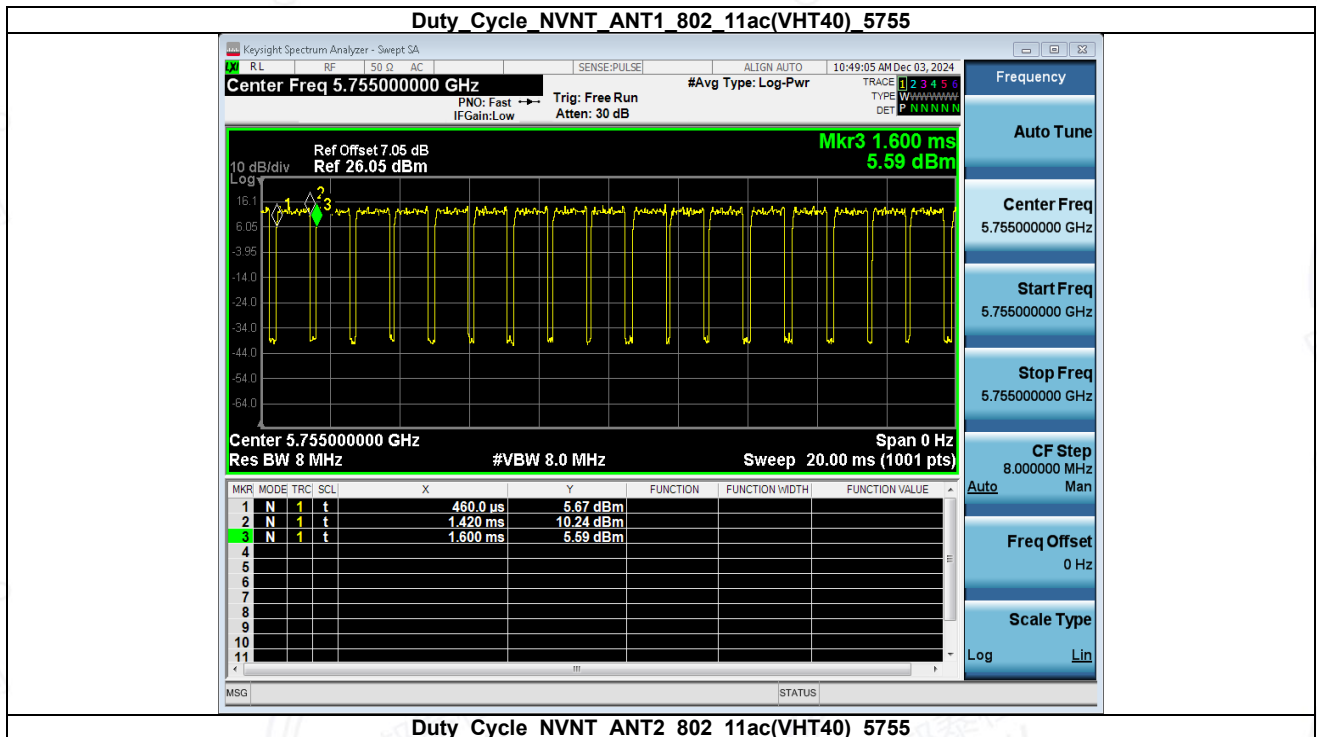
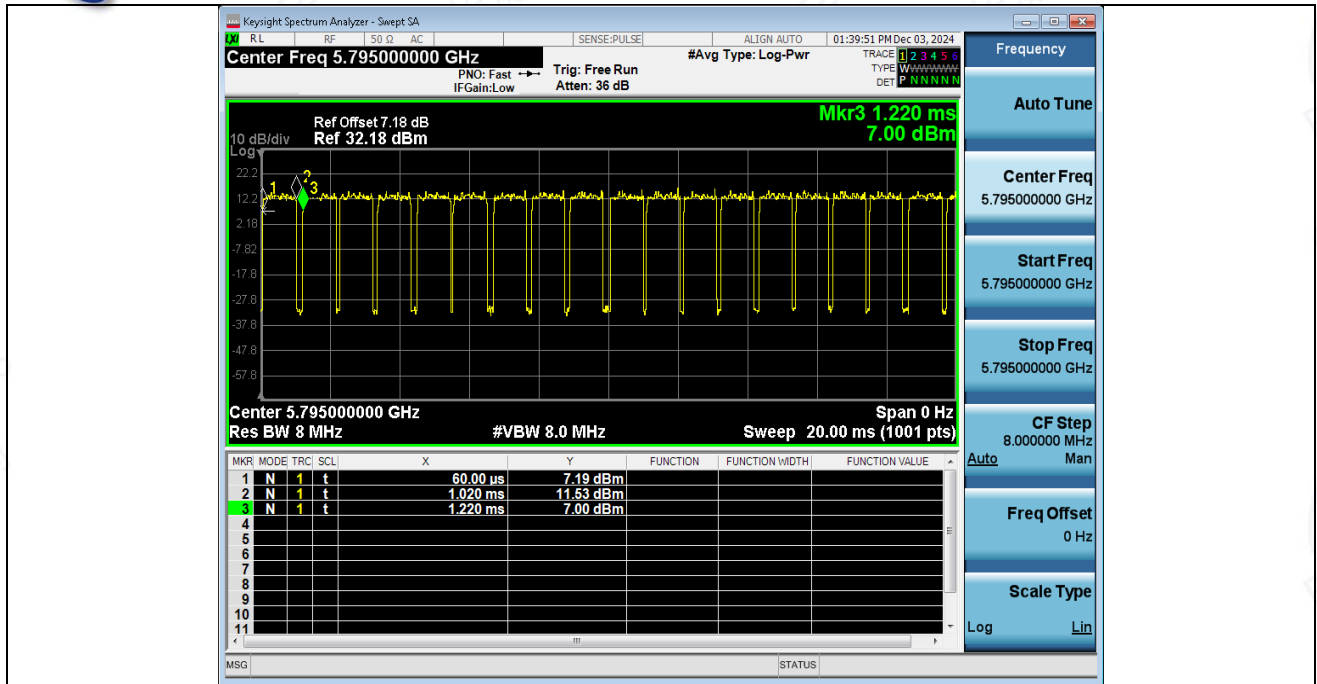


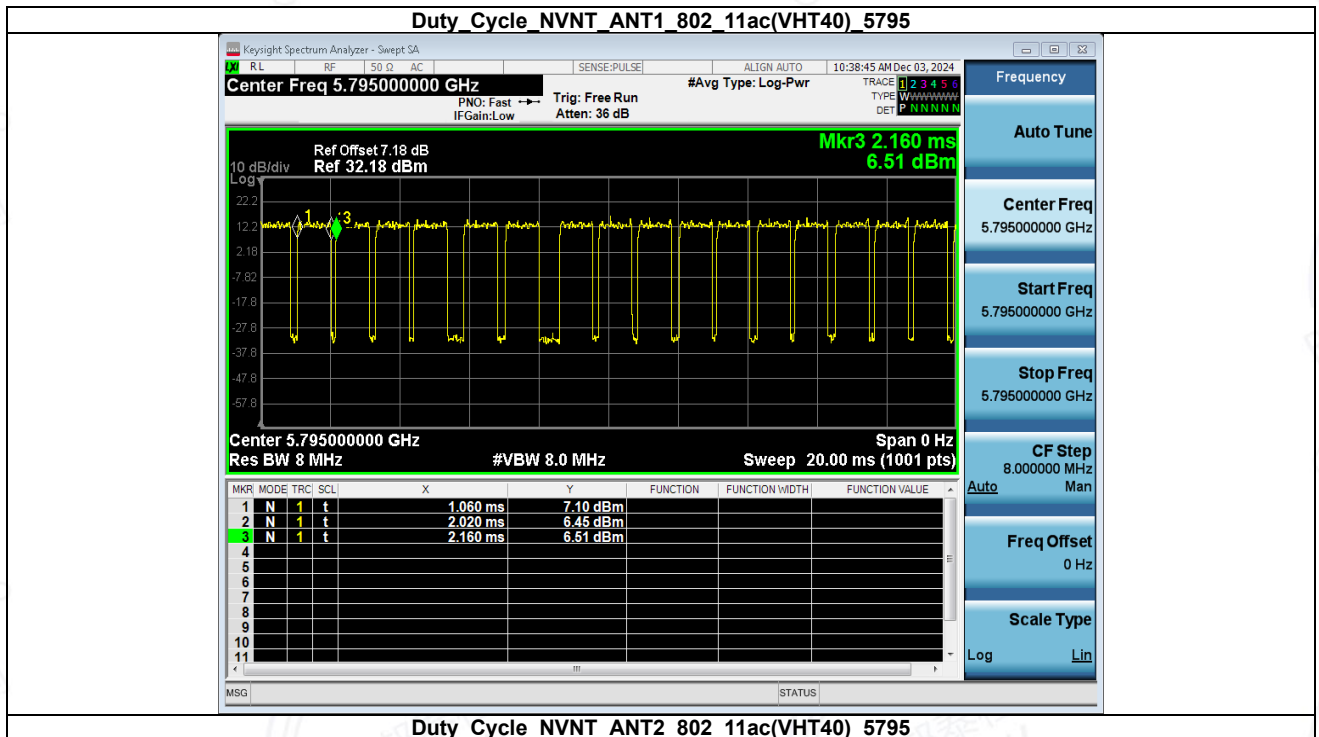
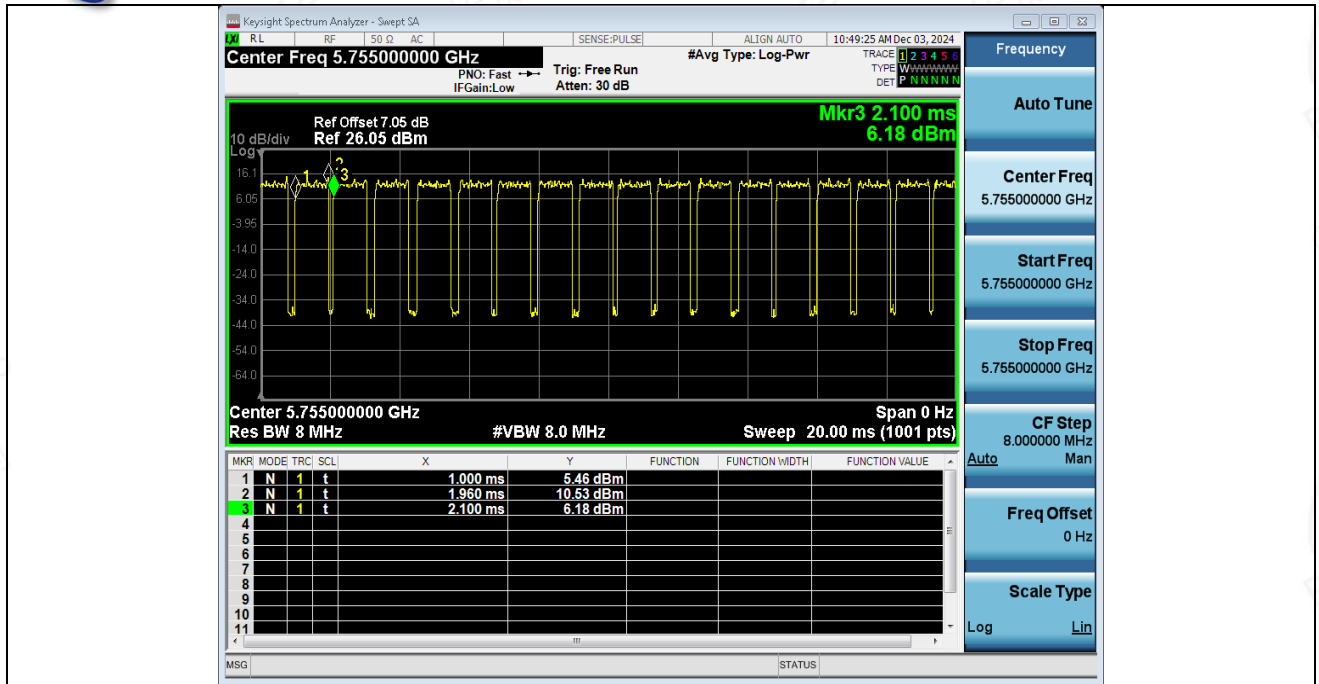


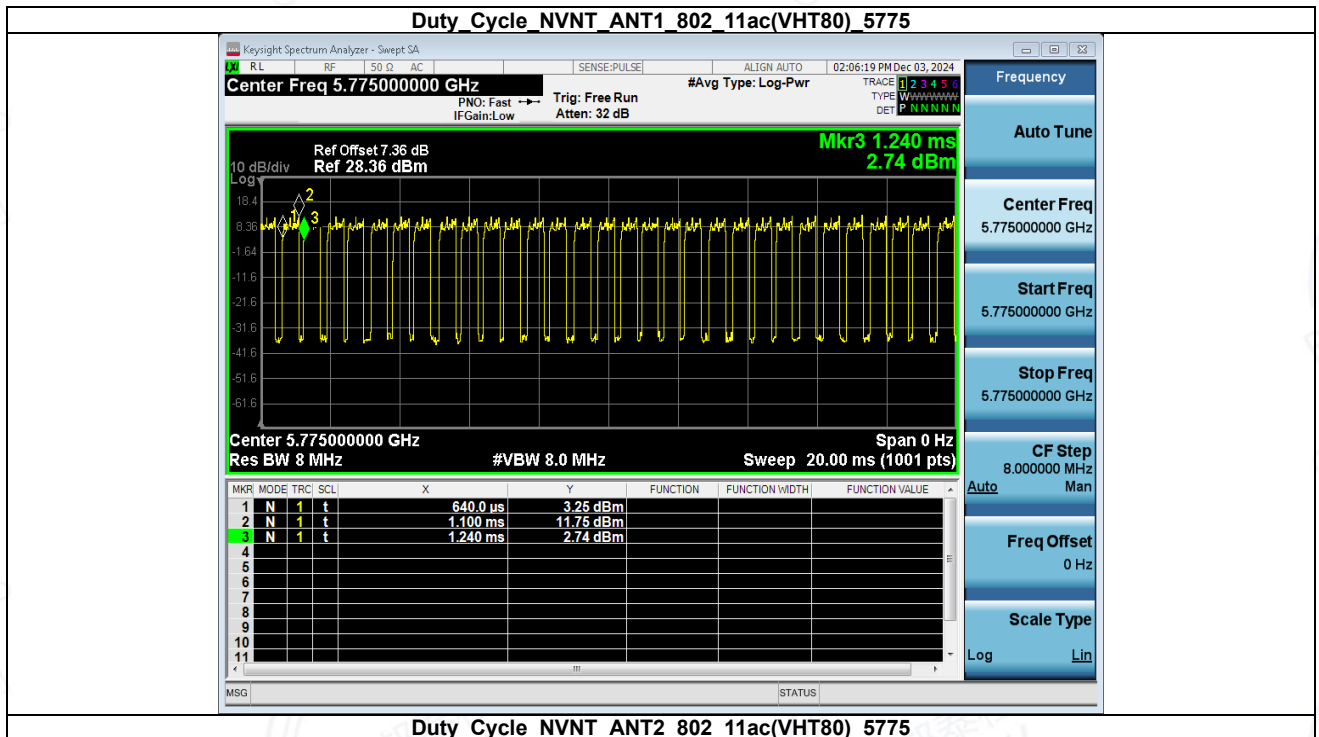
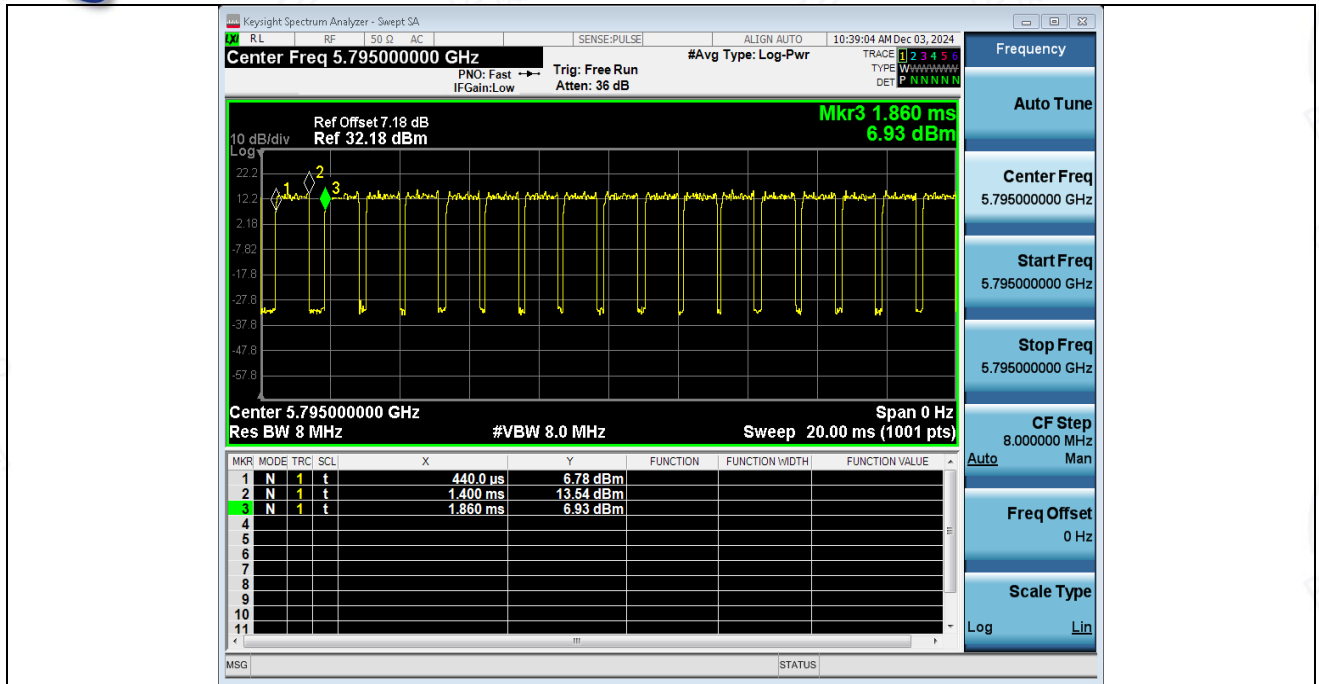


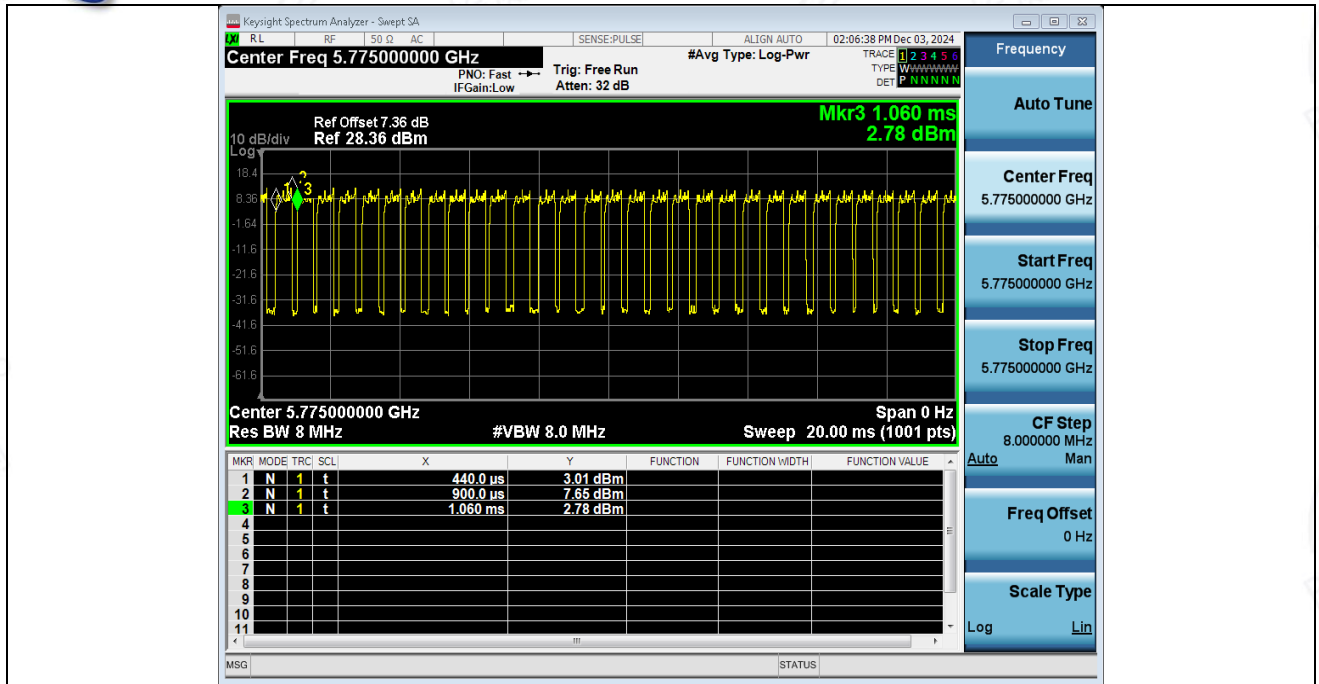








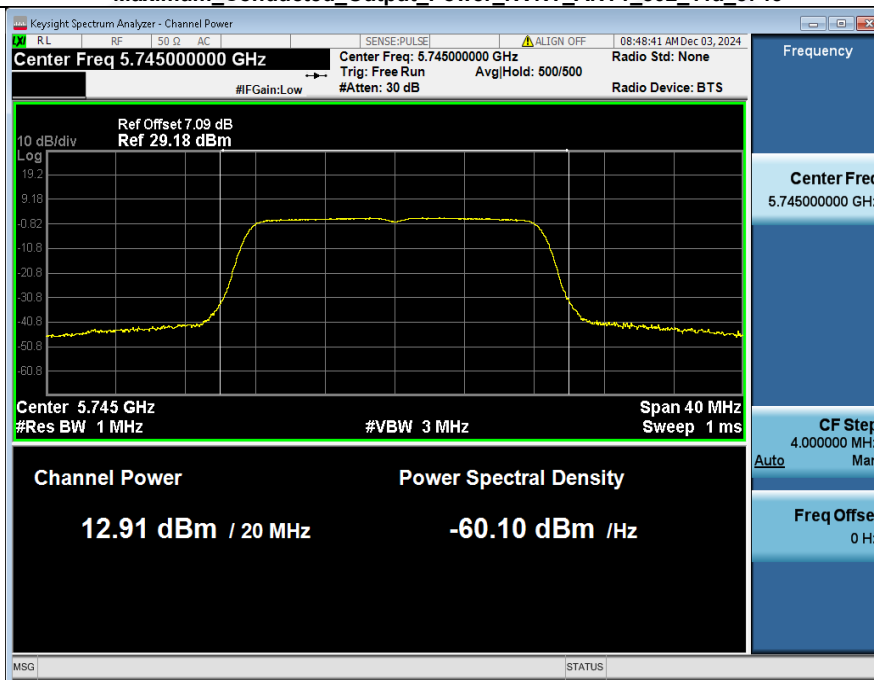




4. Maximum Conducted Output Power

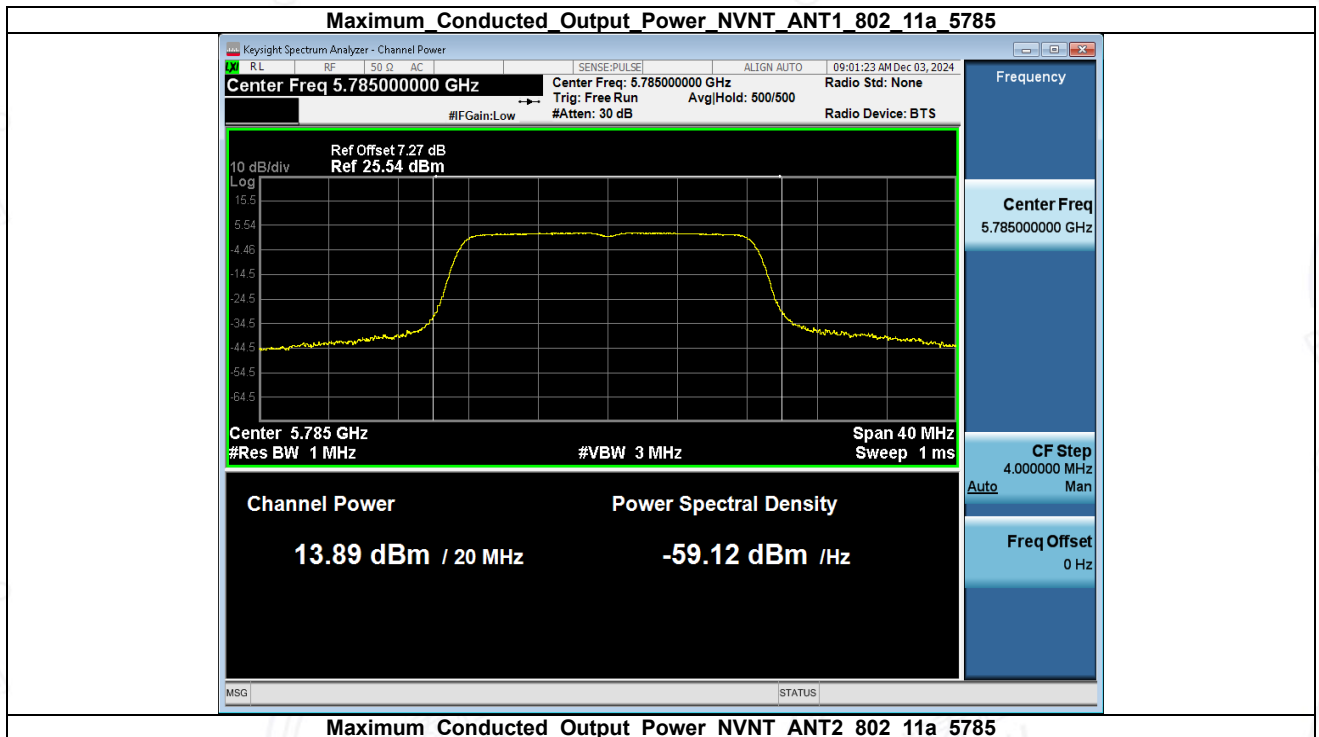
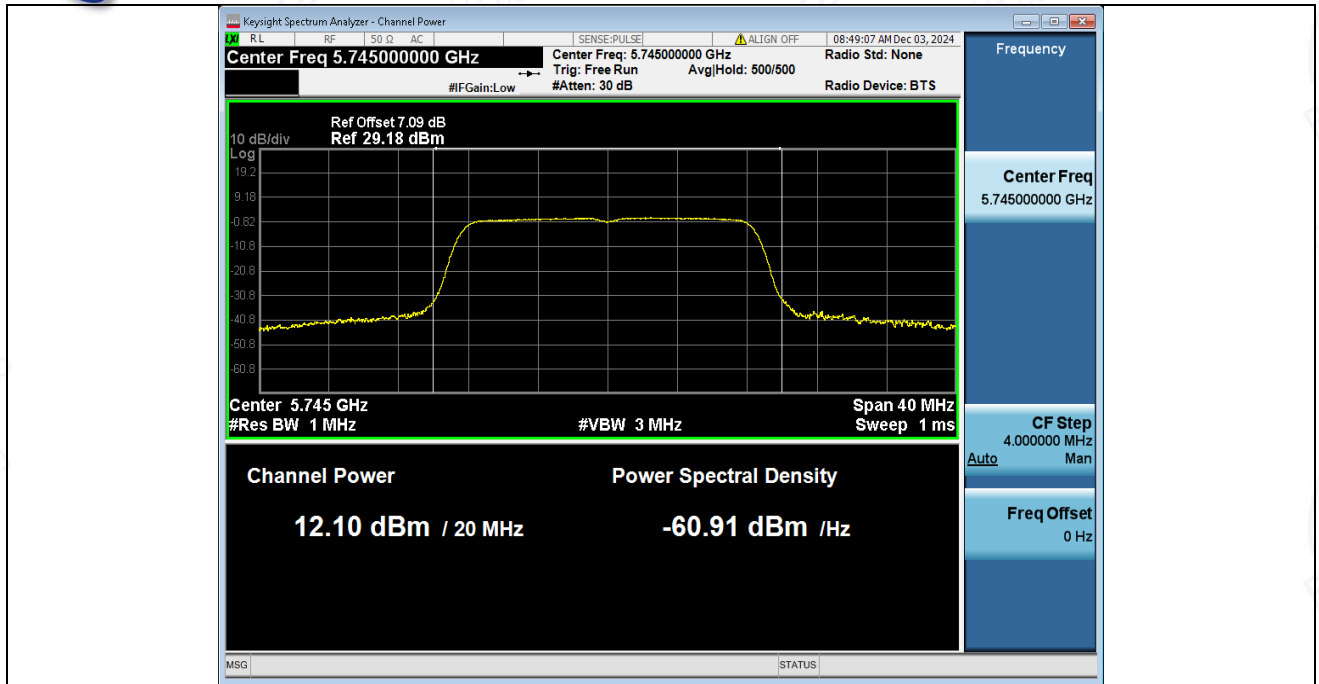
Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5745.00	12.91	0.36	13.27	30	Pass
NVNT	ANT2	802.11a	5745.00	12.10	0.36	12.46	30	Pass
NVNT	ANT1	802.11a	5785.00	13.89	0.28	14.17	30	Pass
NVNT	ANT2	802.11a	5785.00	13.96	0.25	14.21	30	Pass
NVNT	ANT1	802.11a	5825.00	14.31	0.29	14.60	30	Pass
NVNT	ANT2	802.11a	5825.00	14.65	0.36	15.01	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	11.06	0.31	11.37	30	Pass
NVNT	ANT2	802.11n(HT20)	5745.00	10.39	0.35	10.74	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	11.95	0.26	12.21	30	Pass
NVNT	ANT2	802.11n(HT20)	5785.00	12.01	0.26	12.27	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	12.50	0.26	12.76	30	Pass
NVNT	ANT2	802.11n(HT20)	5825.00	12.84	0.26	13.10	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	11.02	0.43	11.45	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5745.00	10.32	0.51	10.83	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	11.94	0.31	12.25	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5785.00	12.05	0.51	12.56	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	12.42	0.43	12.85	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5825.00	12.86	0.35	13.21	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	10.38	0.44	10.82	30	Pass
NVNT	ANT2	802.11n(HT40)	5755.00	10.00	0.84	10.84	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	11.16	0.52	11.68	30	Pass
NVNT	ANT2	802.11n(HT40)	5795.00	11.47	0.82	12.29	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	10.27	0.75	11.02	30	Pass
NVNT	ANT2	802.11ac(VHT40)	5755.00	9.86	0.59	10.45	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	11.14	0.59	11.73	30	Pass
NVNT	ANT2	802.11ac(VHT40)	5795.00	11.18	1.70	12.88	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	9.65	1.15	10.80	30	Pass
NVNT	ANT2	802.11ac(VHT80)	5775.00	9.34	1.30	10.64	30	Pass

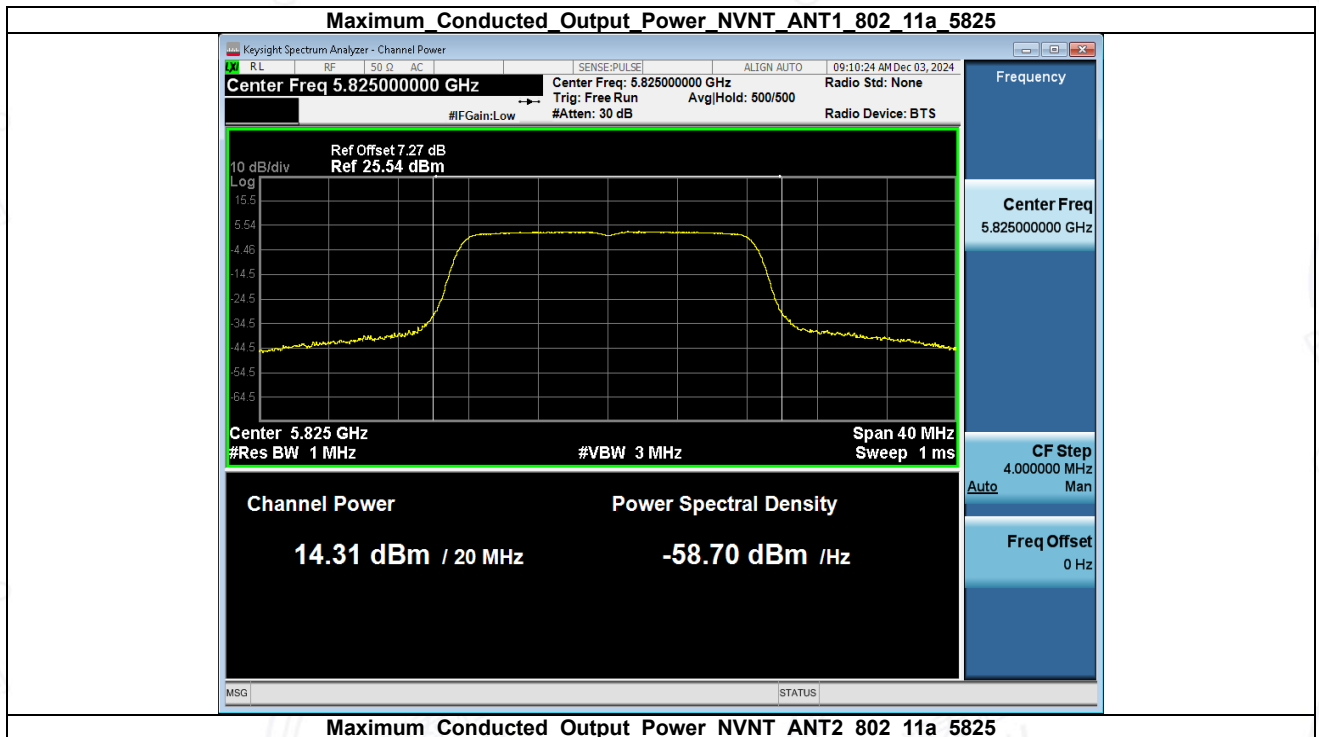
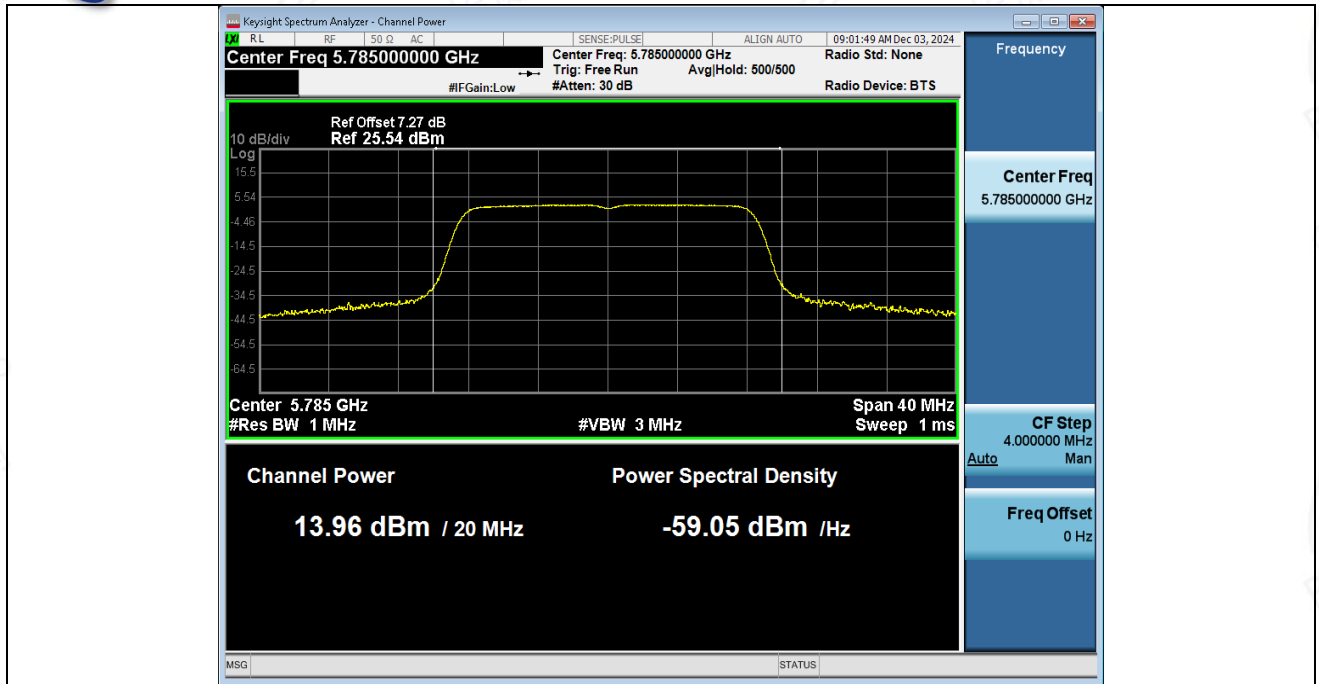
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11a_5745

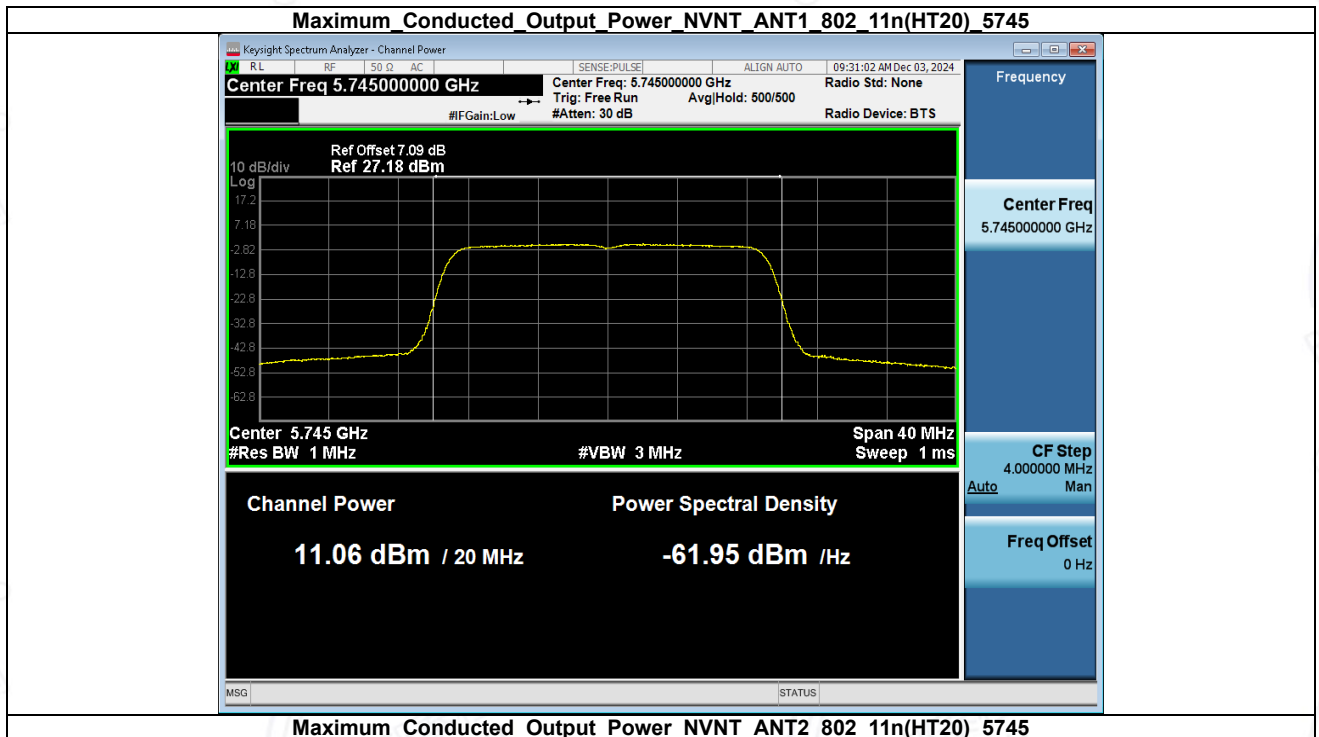
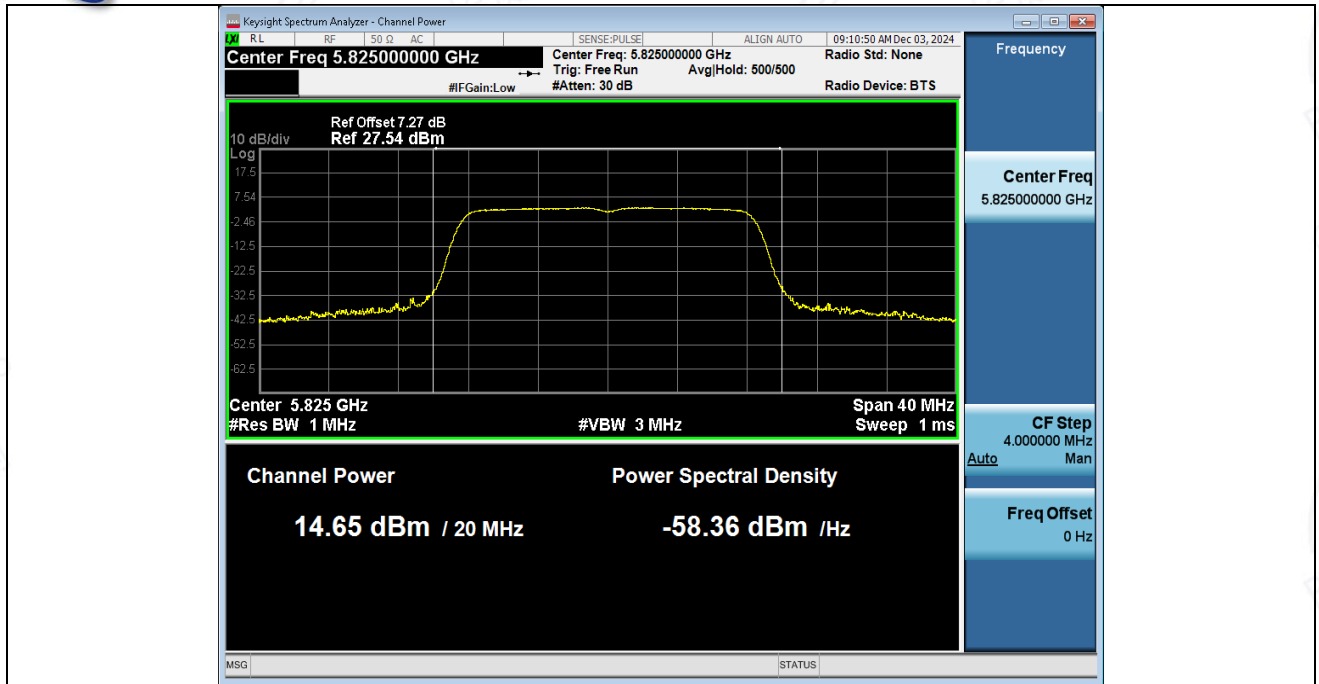


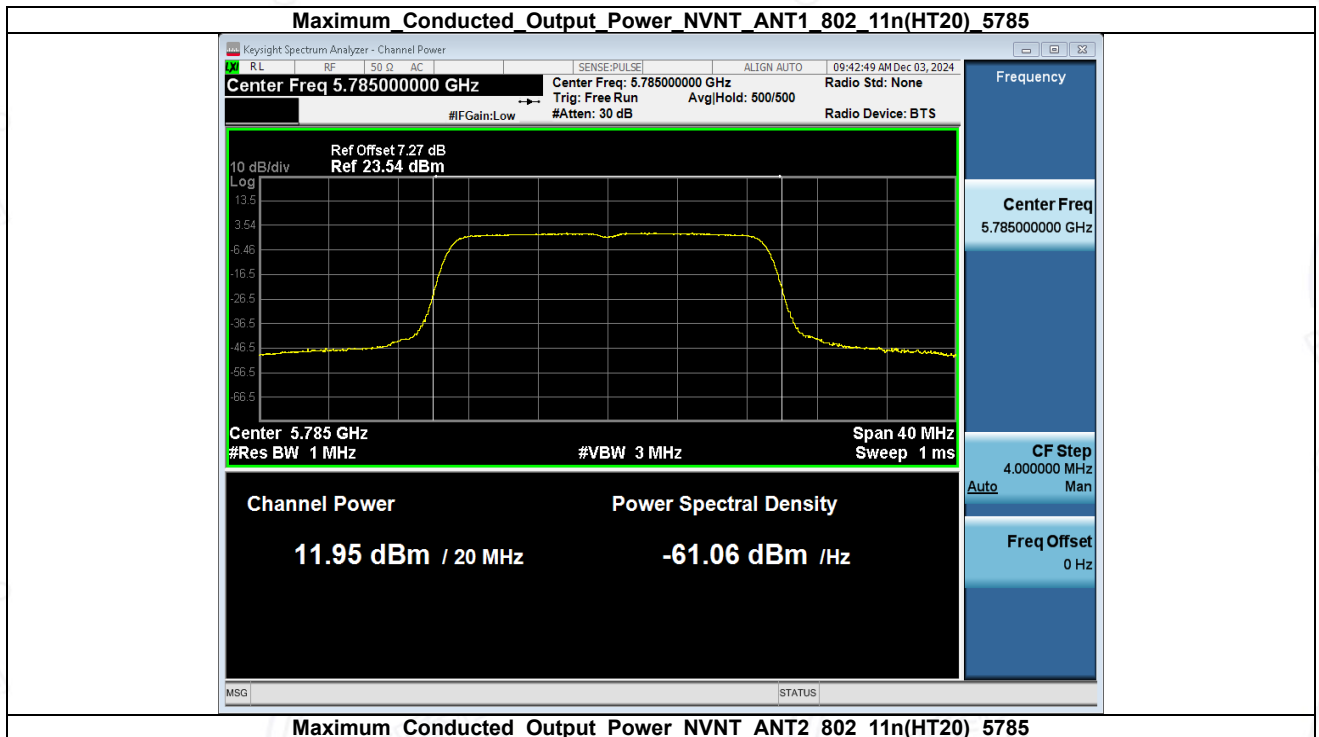
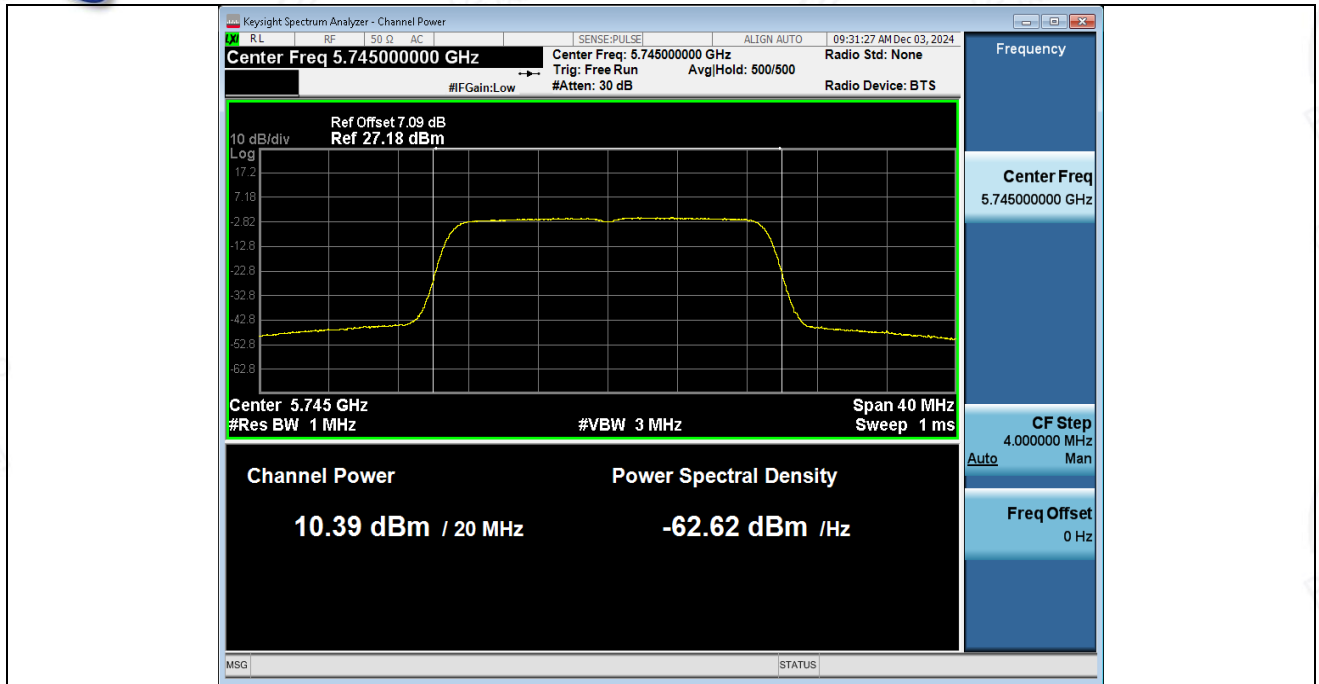
Maximum_Conducted_Output_Power_NVNT_ANT2_802_11a_5745

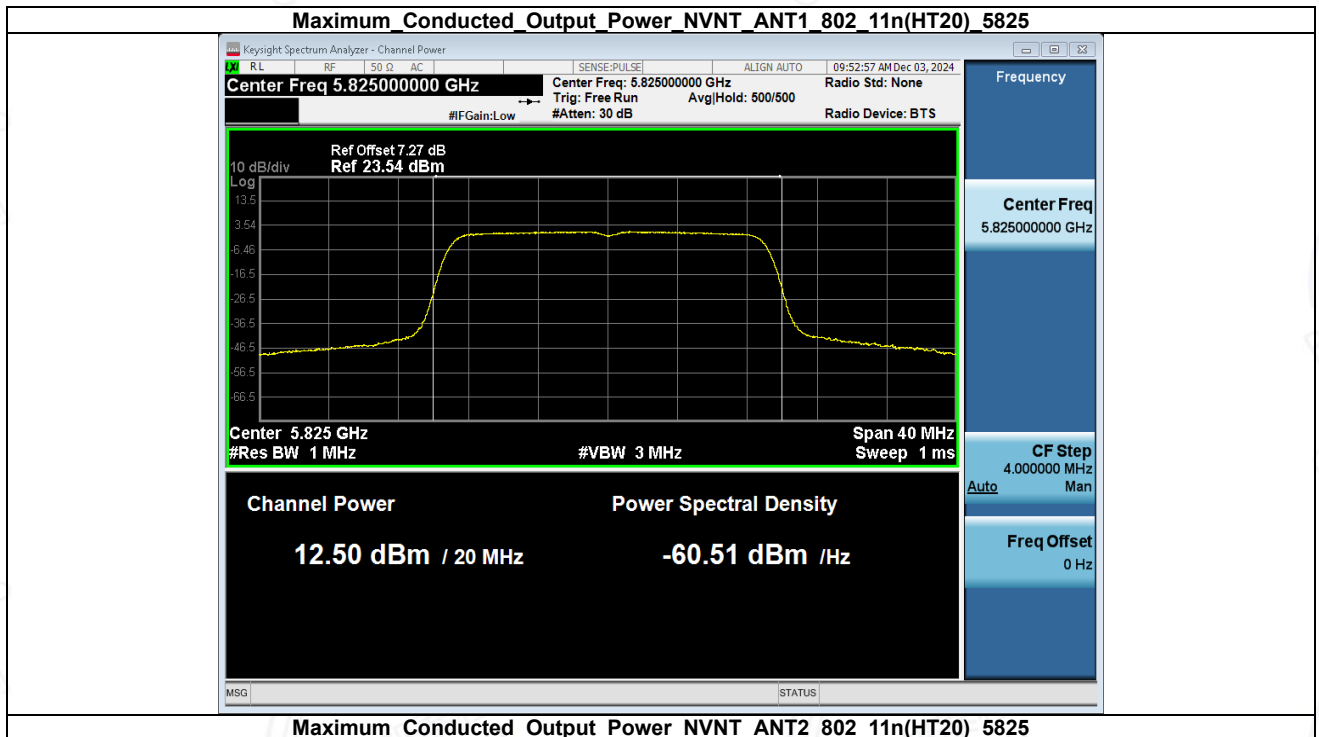
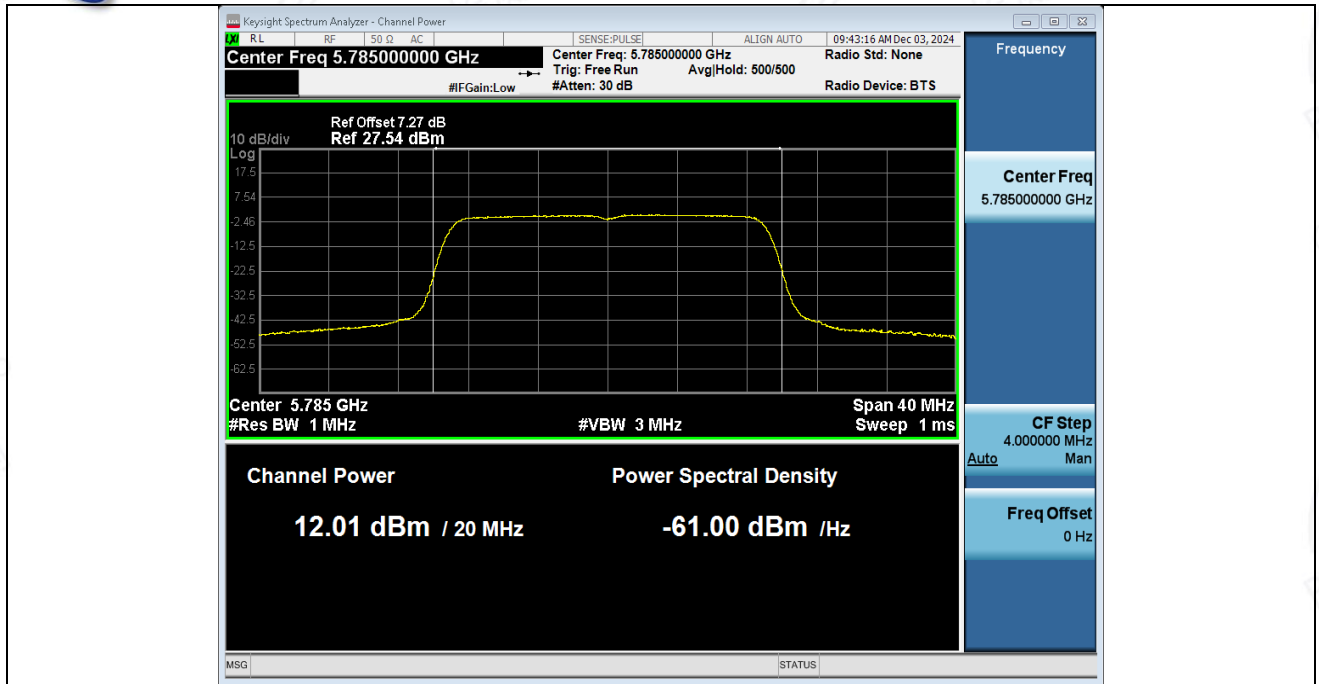


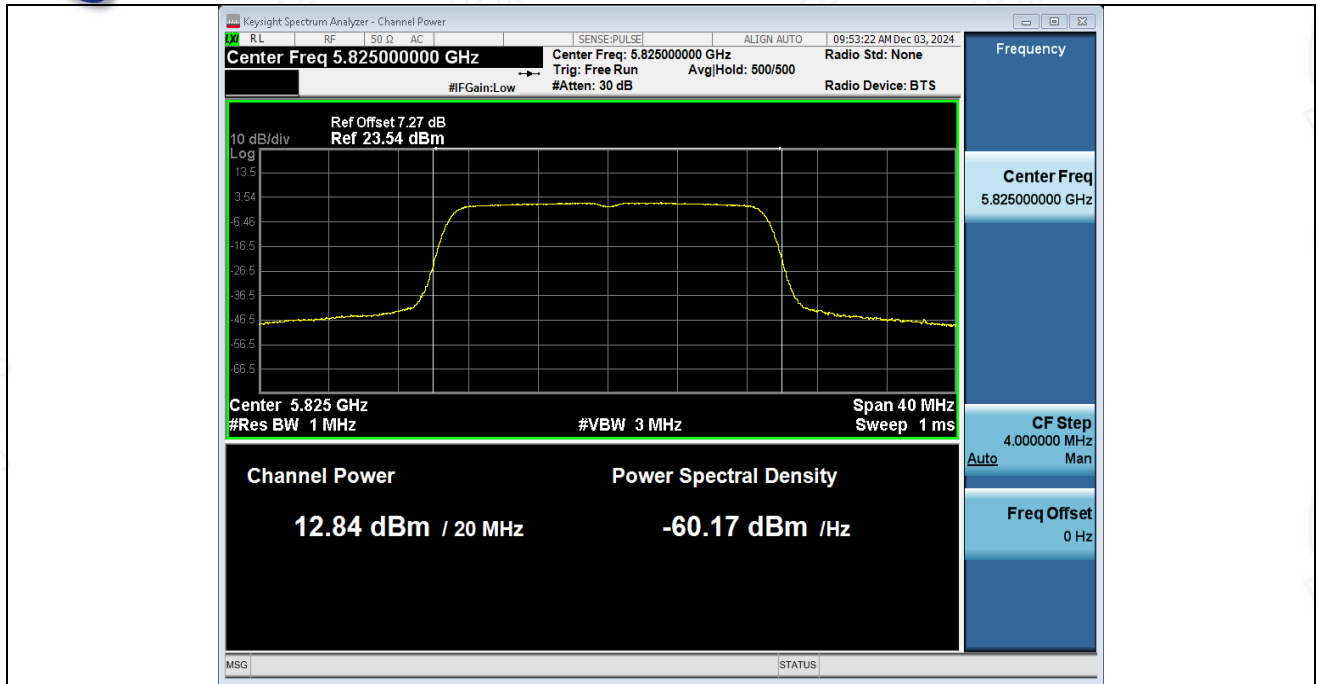




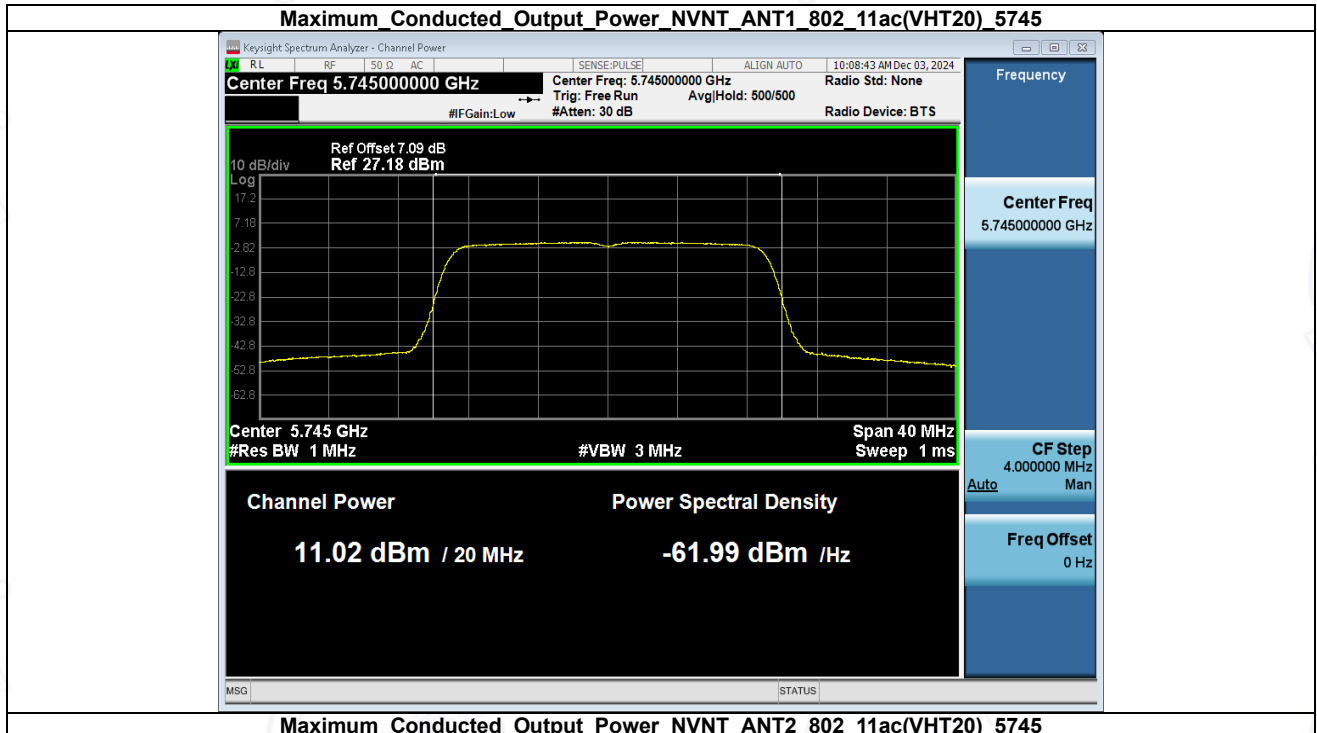


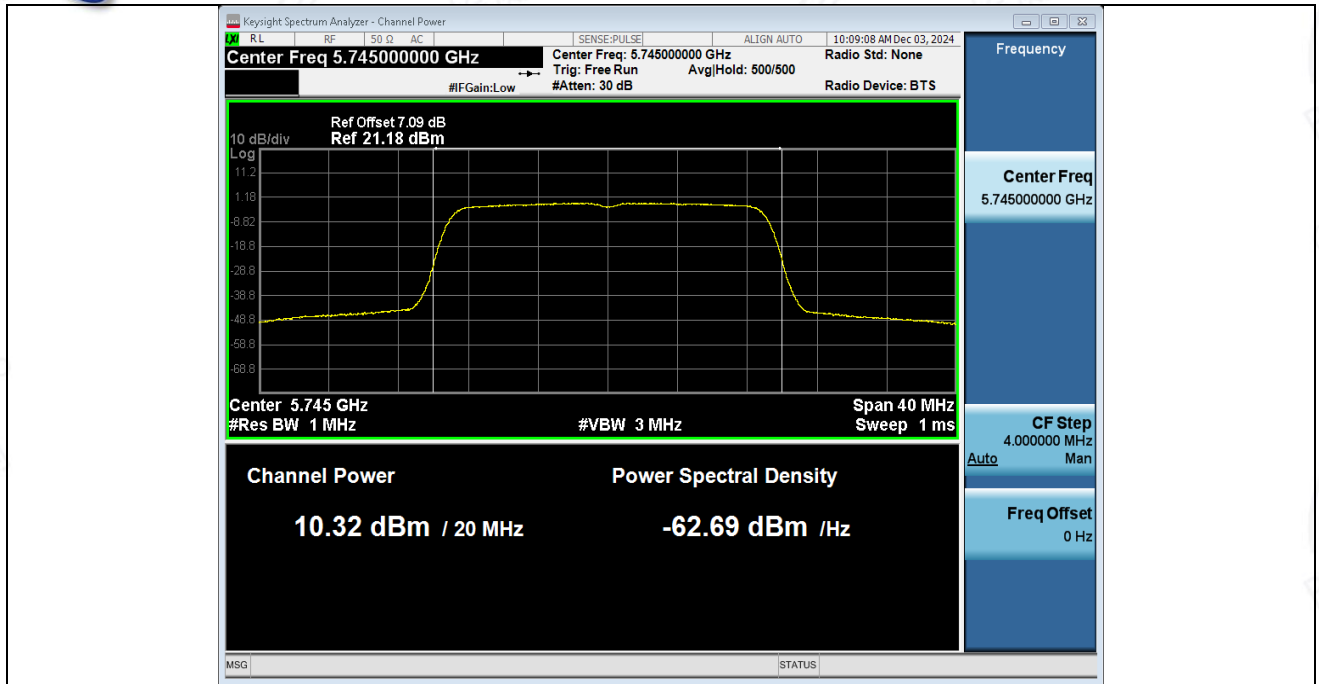




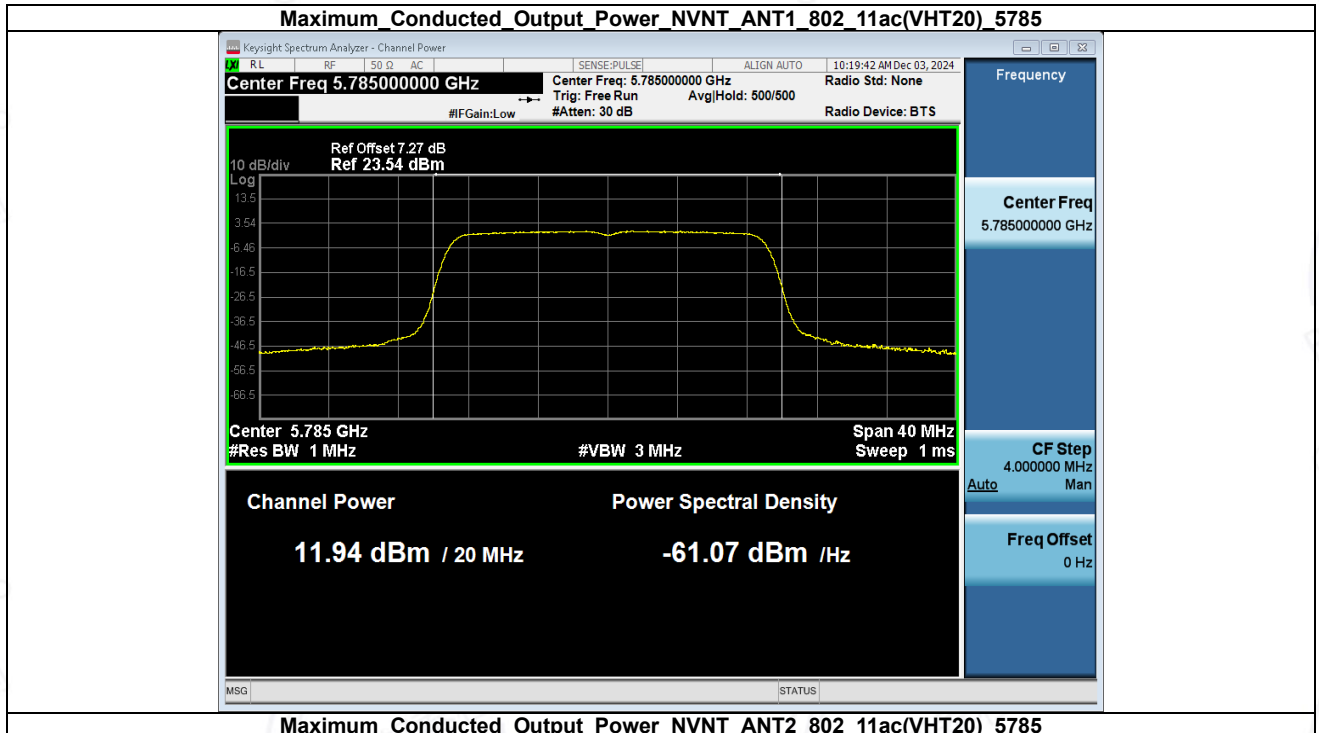


Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT20)_5745



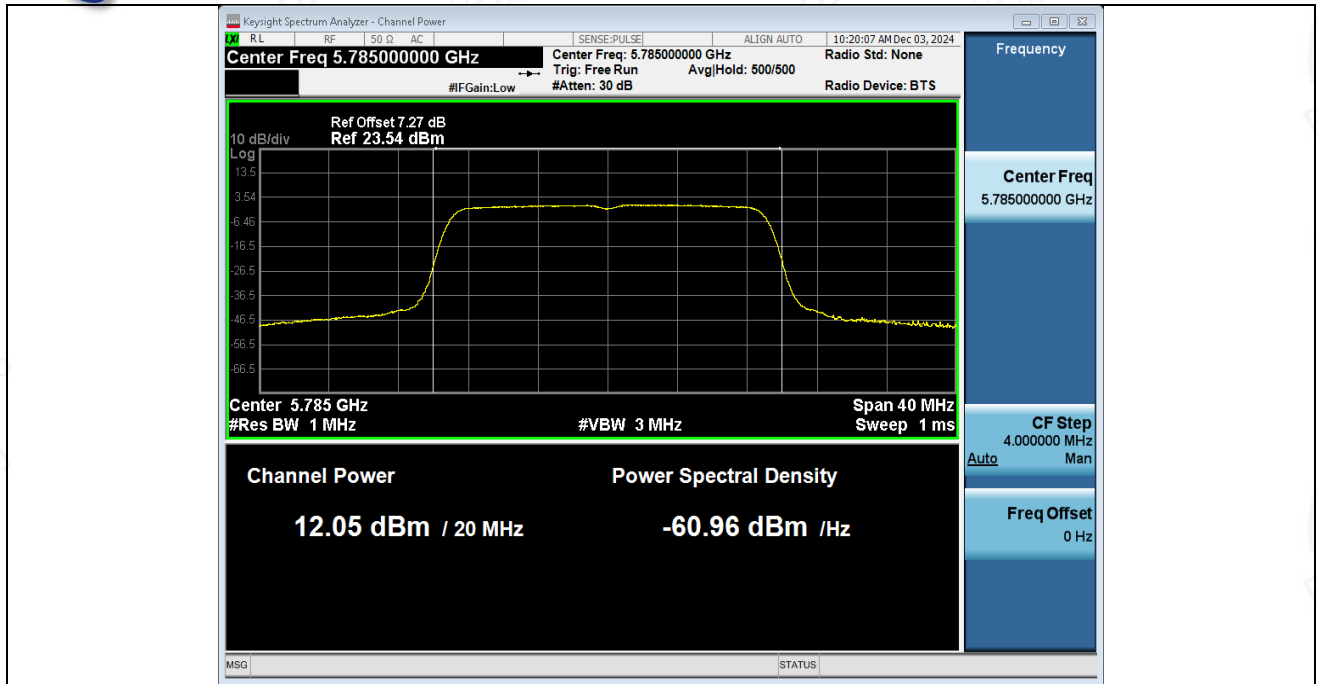


Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT20)_5785

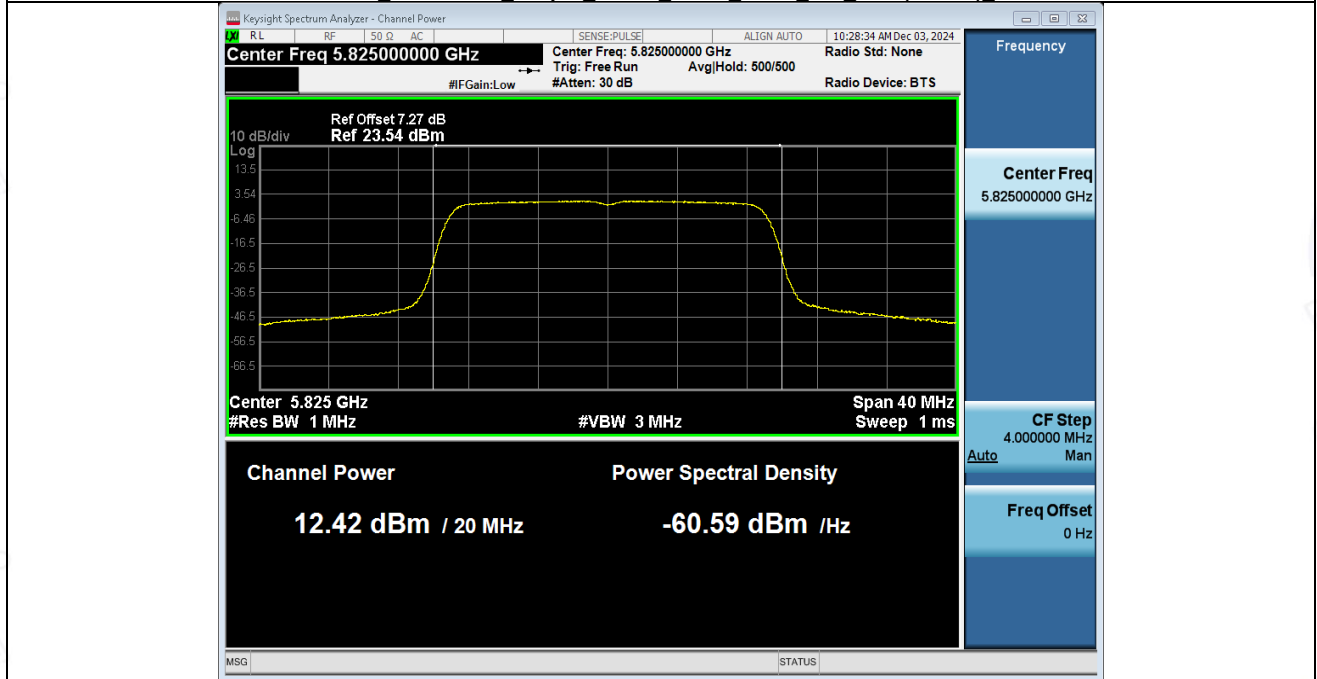


Maximum_Conducted_Output_Power_NVNT_ANT2_802_11ac(VHT20)_5785





Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT20)_5825



Maximum_Conducted_Output_Power_NVNT_ANT2_802_11ac(VHT20)_5825

