

Appendix

Test Data

for BTEK241108034A01E04

Start date	2025/1/2	Finish date	2025/1/2
Temperature	20.6℃	Humidity	31%
RF specifications	5.8G_WIFI	Test Engineer	Zora



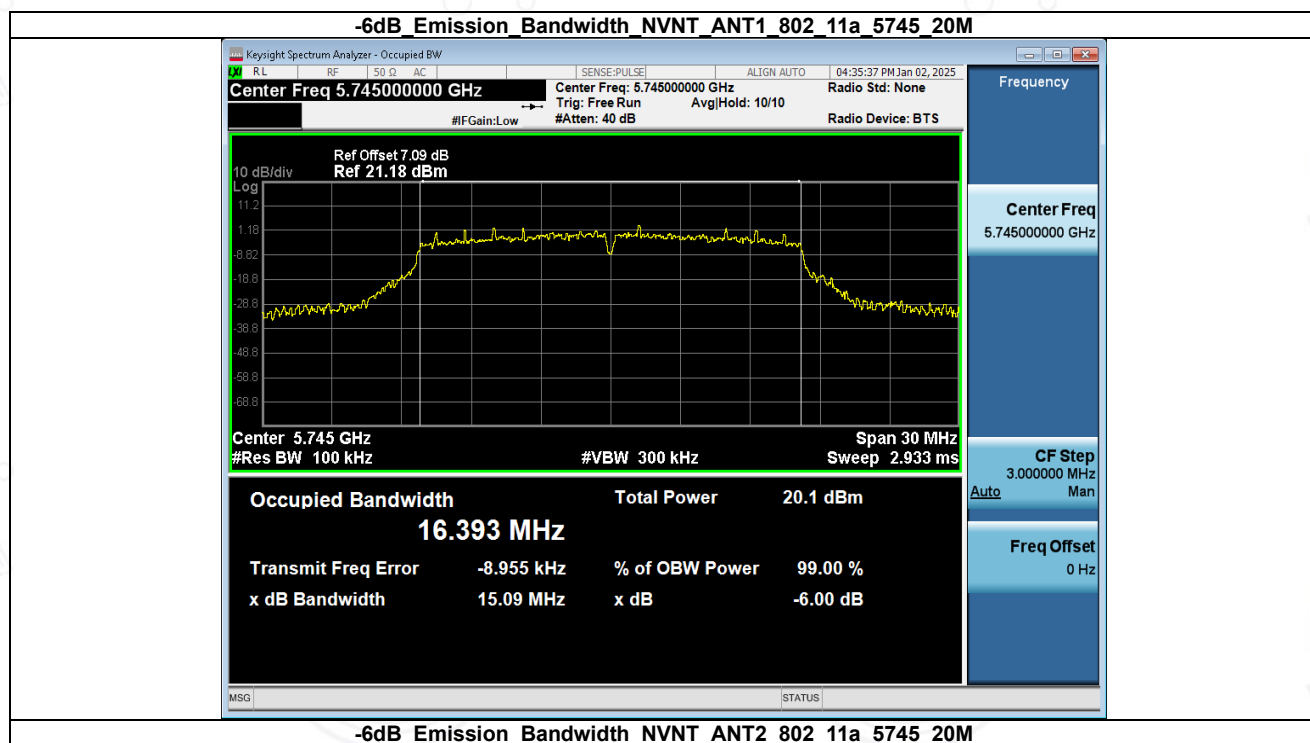
Table of Contents

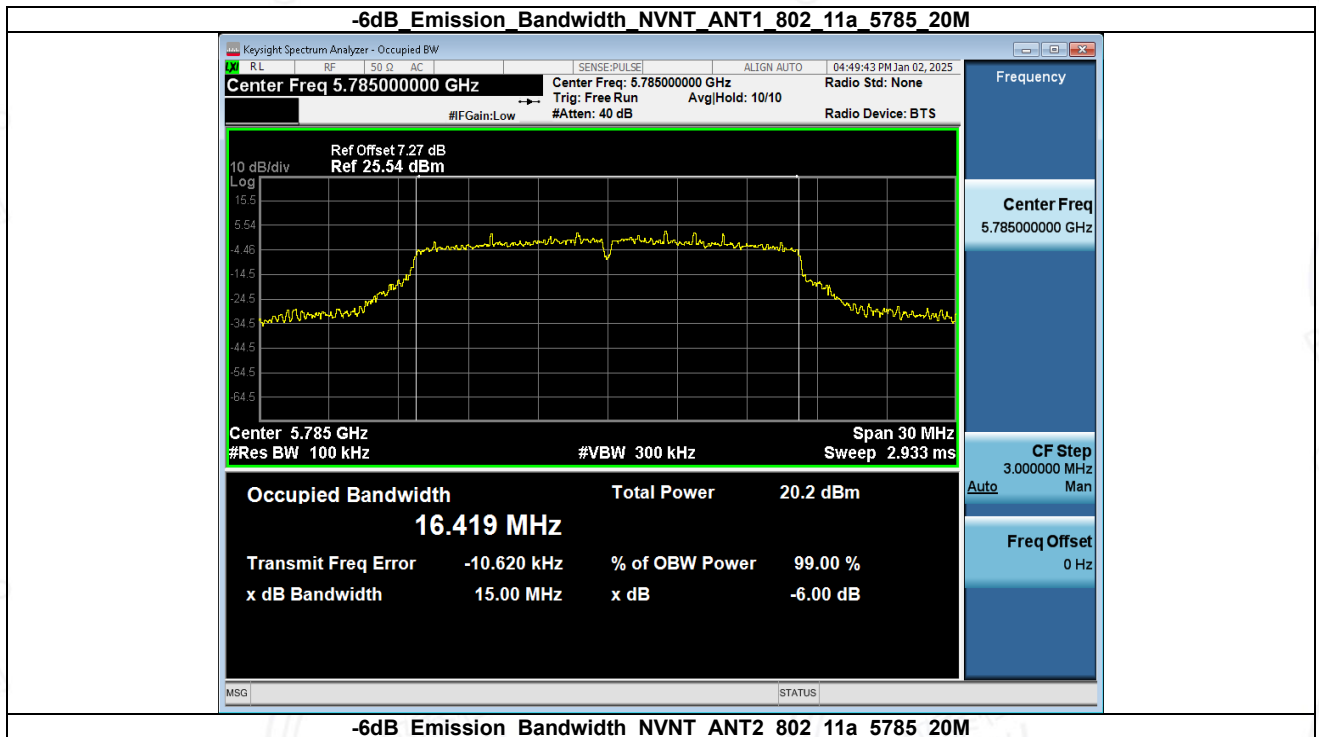
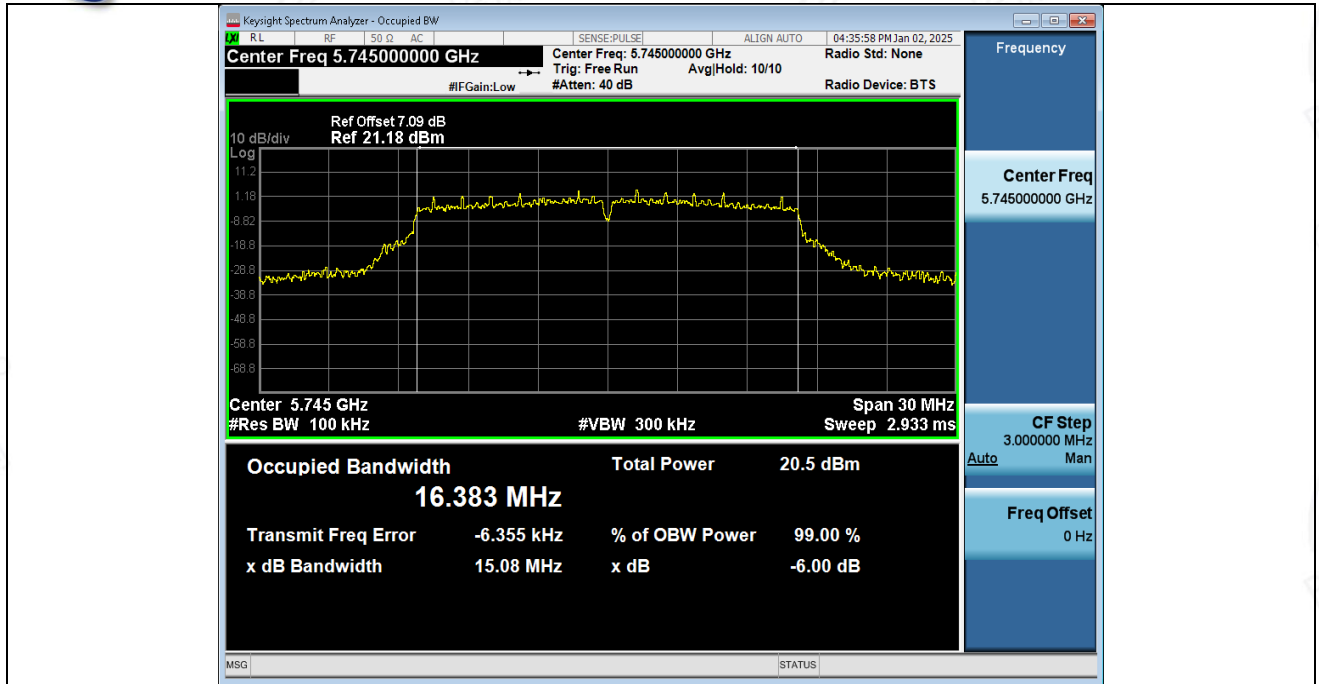
1. -6dB Emission Bandwidth.....	3
2. -26dB and 99% Emission Bandwidth.....	18
3. Duty Cycle.....	47
4. Maximum Conducted Output Power	62
5. Power Spectral Density.....	77
6. Bandedge.....	97
7. Spurious Emission.....	111
8. Frequency Stability	126

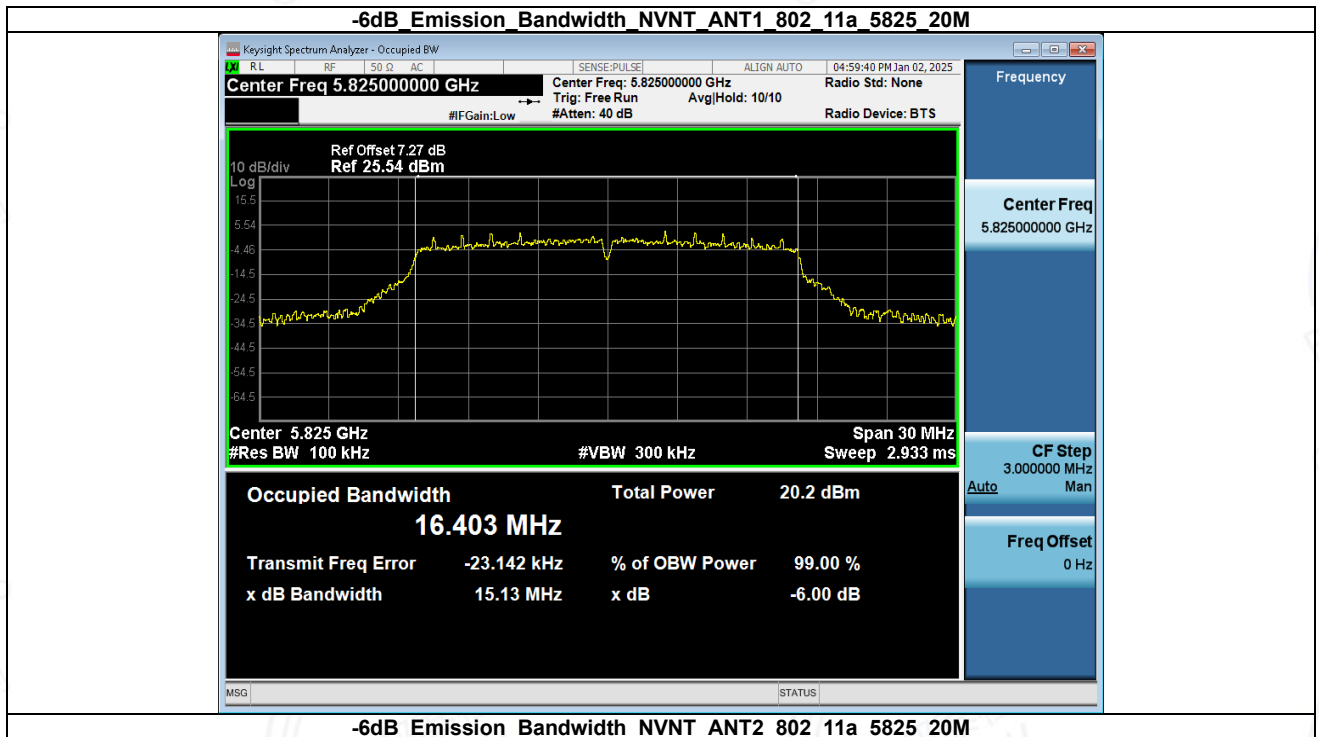
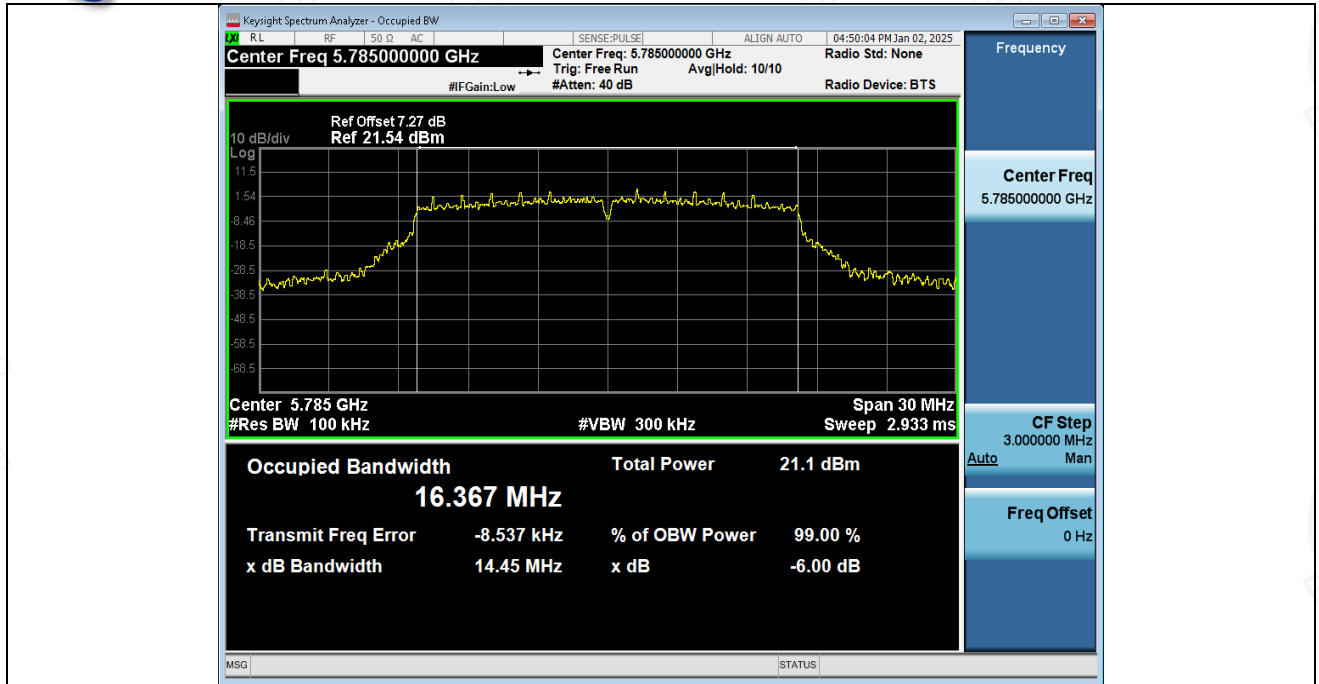


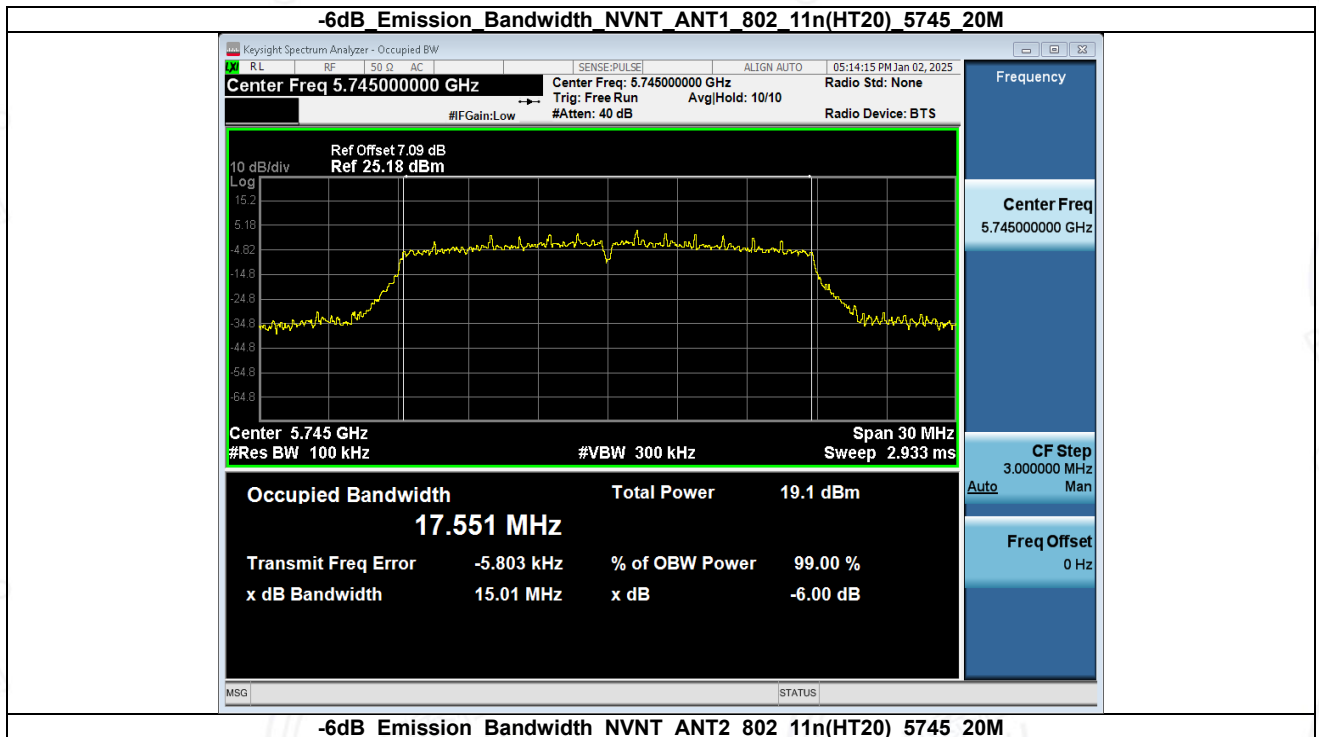
1. -6dB Emission Bandwidth

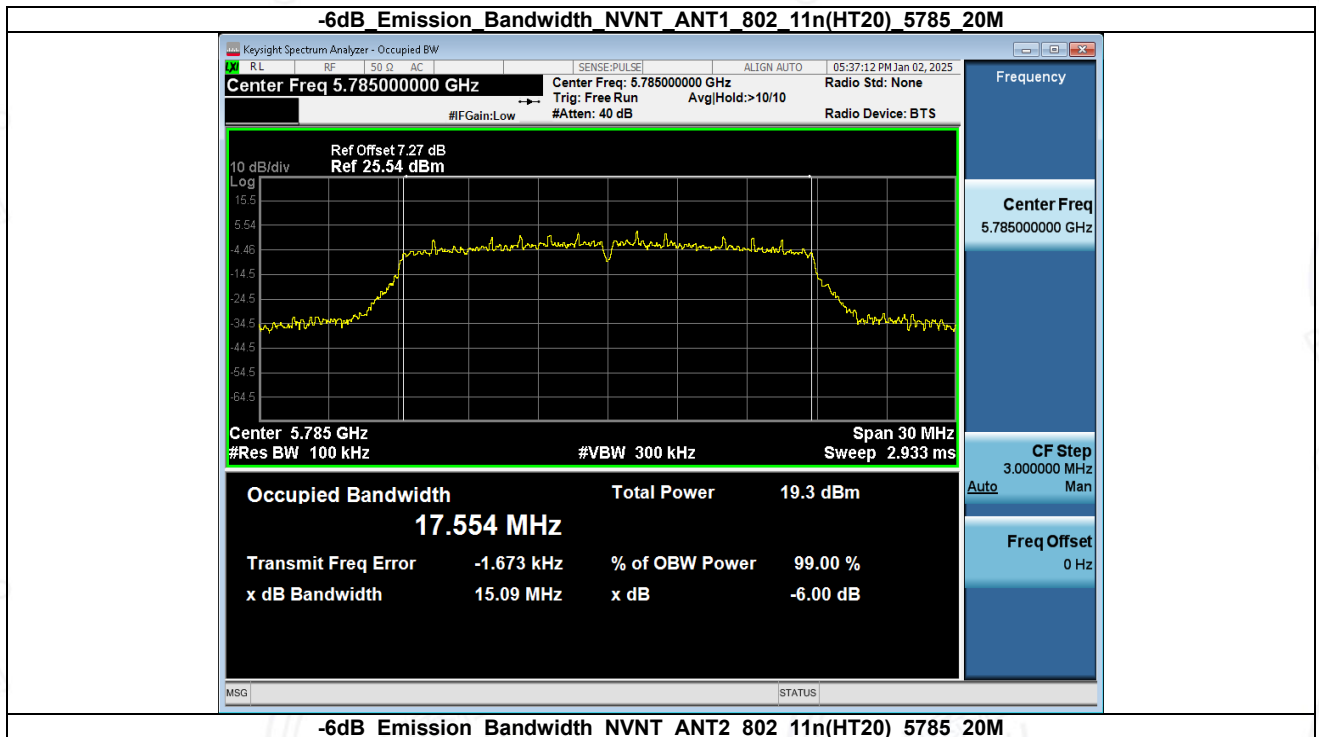
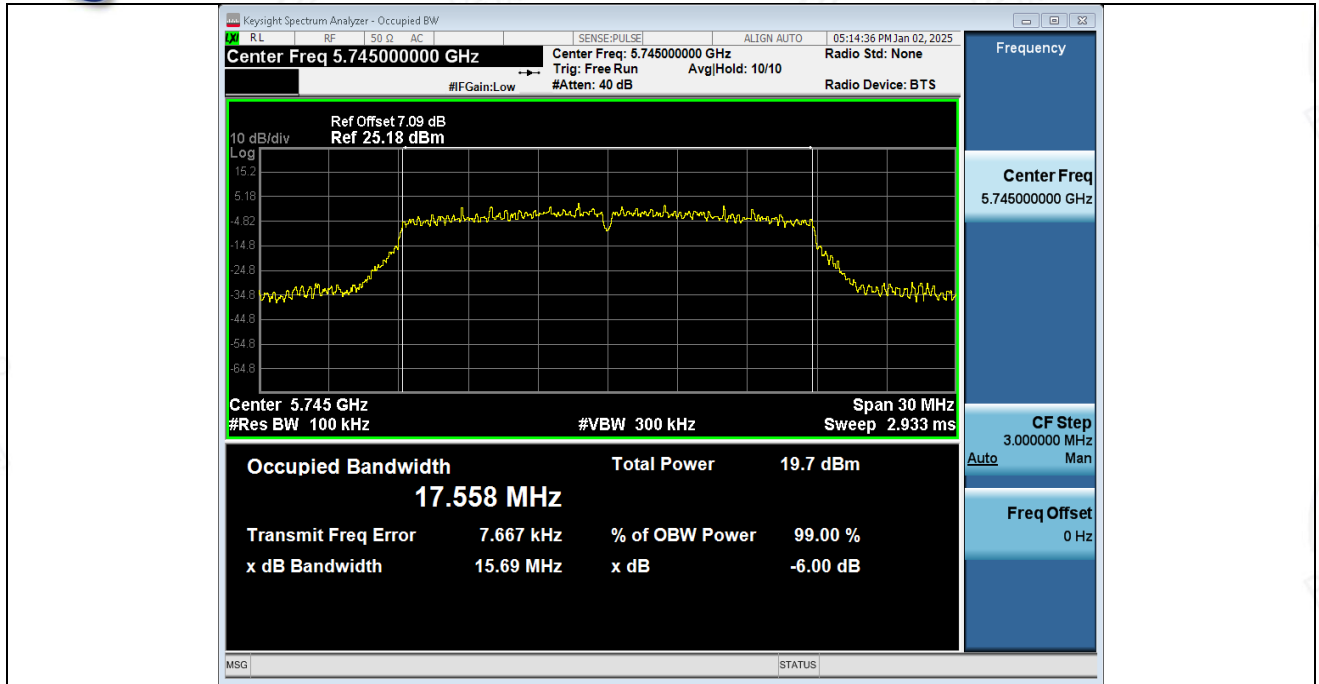
Condition	Antenna	Mode	Frequency(MHz)	-6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	802.11a	5745.00	15.092	0.500	Pass
NVNT	ANT2	802.11a	5745.00	15.082	0.500	Pass
NVNT	ANT1	802.11a	5785.00	15.004	0.500	Pass
NVNT	ANT2	802.11a	5785.00	14.450	0.500	Pass
NVNT	ANT1	802.11a	5825.00	15.135	0.500	Pass
NVNT	ANT2	802.11a	5825.00	15.123	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	15.007	0.500	Pass
NVNT	ANT2	802.11n(HT20)	5745.00	15.692	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	15.095	0.500	Pass
NVNT	ANT2	802.11n(HT20)	5785.00	15.724	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	15.140	0.500	Pass
NVNT	ANT2	802.11n(HT20)	5825.00	15.100	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	15.970	0.500	Pass
NVNT	ANT2	802.11ac(VHT20)	5745.00	15.690	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	15.095	0.500	Pass
NVNT	ANT2	802.11ac(VHT20)	5785.00	15.029	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	15.155	0.500	Pass
NVNT	ANT2	802.11ac(VHT20)	5825.00	15.103	0.500	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	35.138	0.500	Pass
NVNT	ANT2	802.11n(HT40)	5755.00	35.129	0.500	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	35.071	0.500	Pass
NVNT	ANT2	802.11n(HT40)	5795.00	35.146	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	35.176	0.500	Pass
NVNT	ANT2	802.11ac(VHT40)	5755.00	35.116	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	35.150	0.500	Pass
NVNT	ANT2	802.11ac(VHT40)	5795.00	35.054	0.500	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	75.261	0.500	Pass
NVNT	ANT2	802.11ac(VHT80)	5775.00	75.259	0.500	Pass

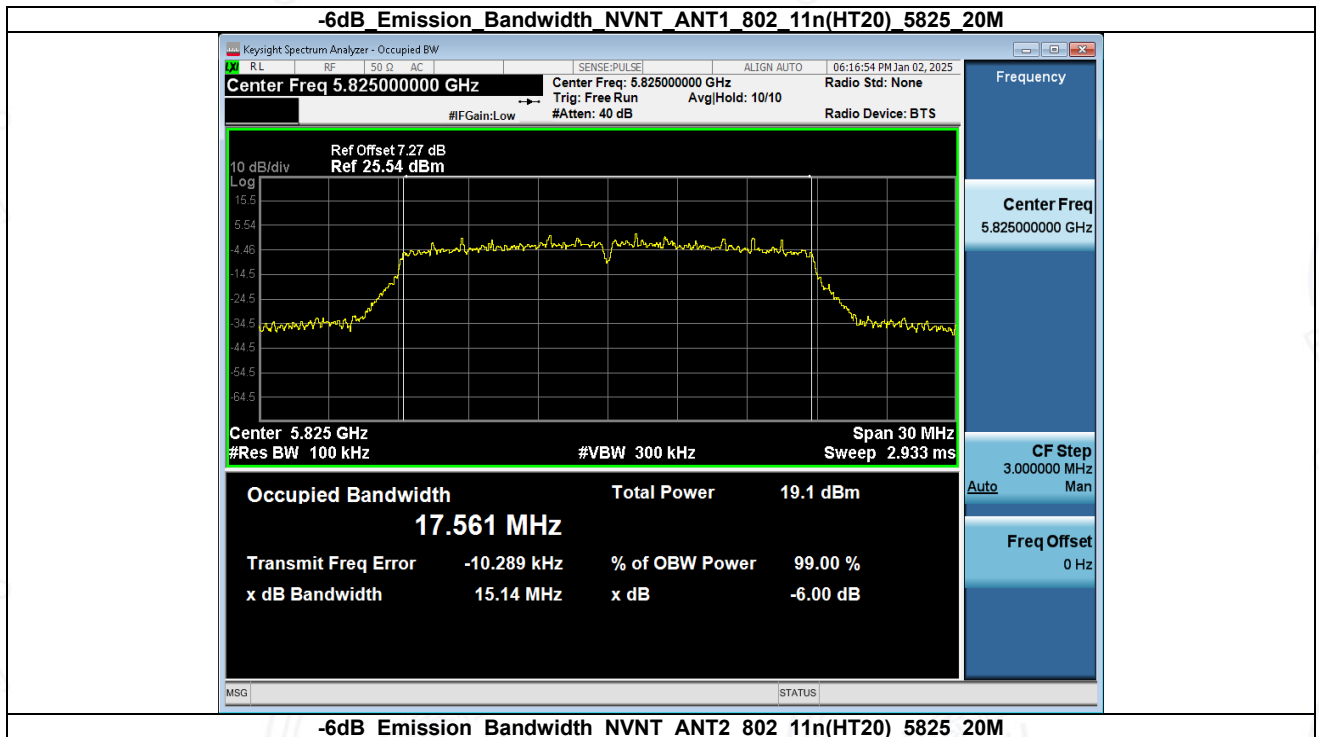
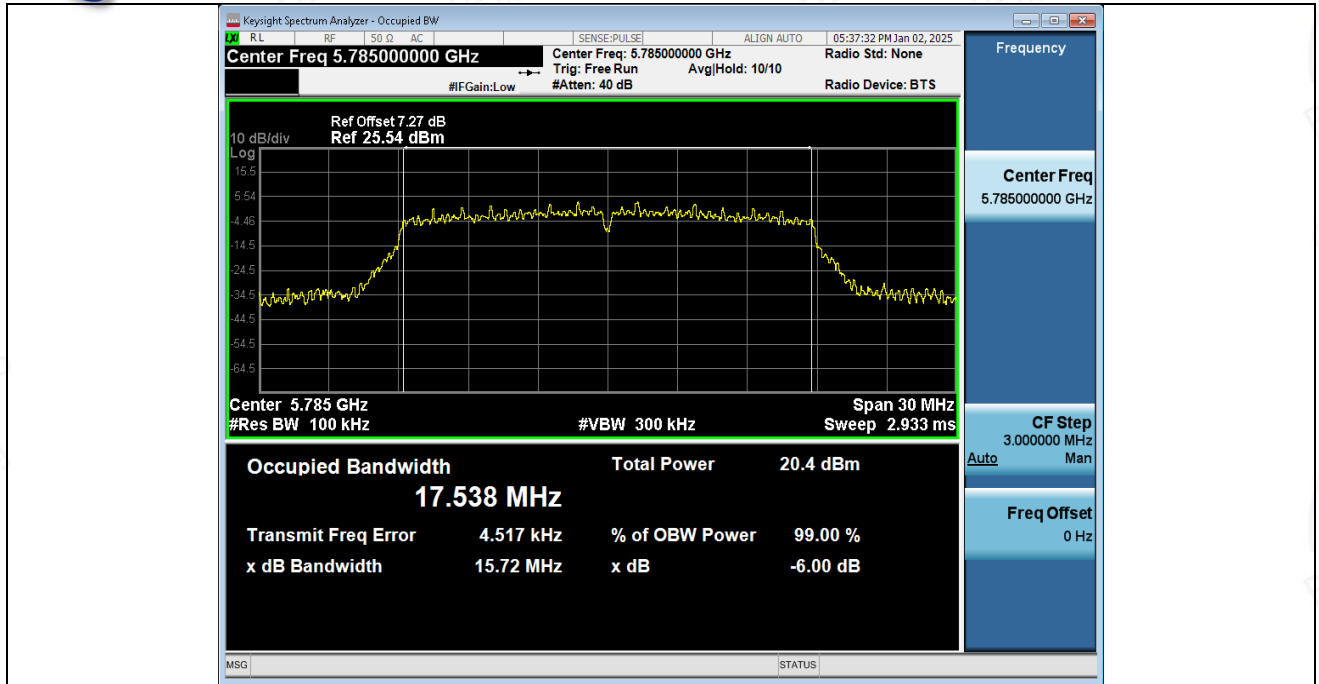


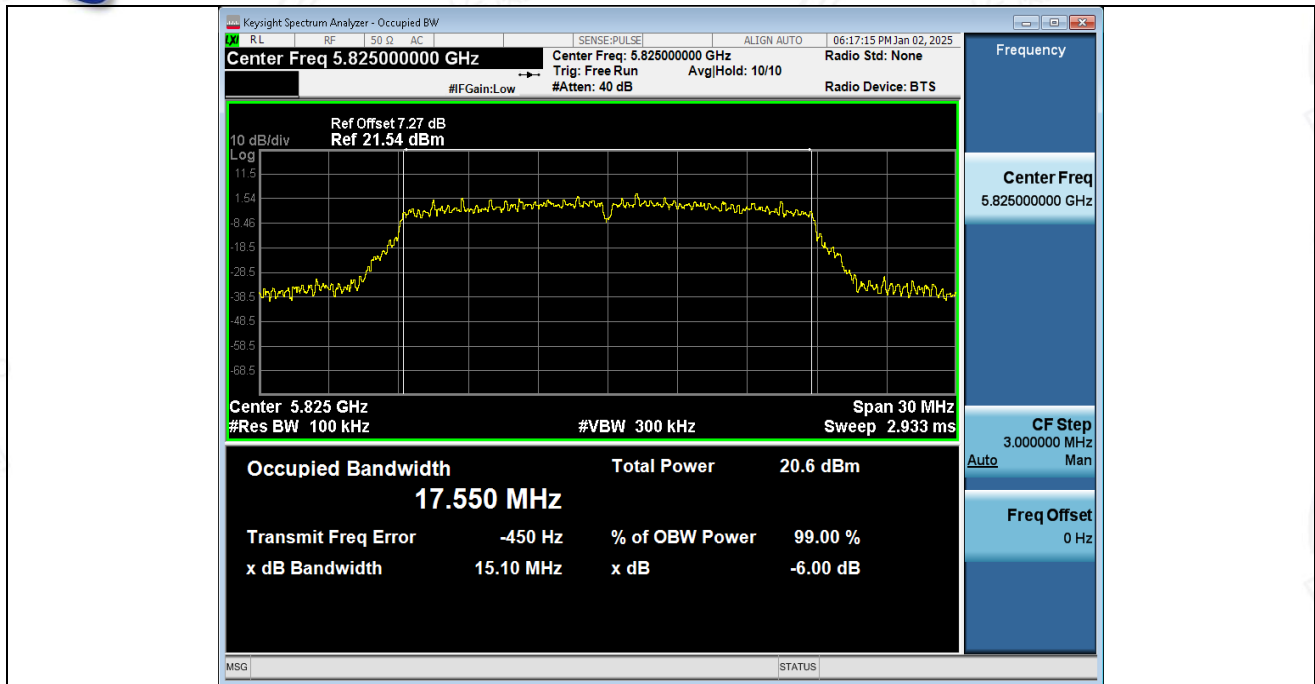




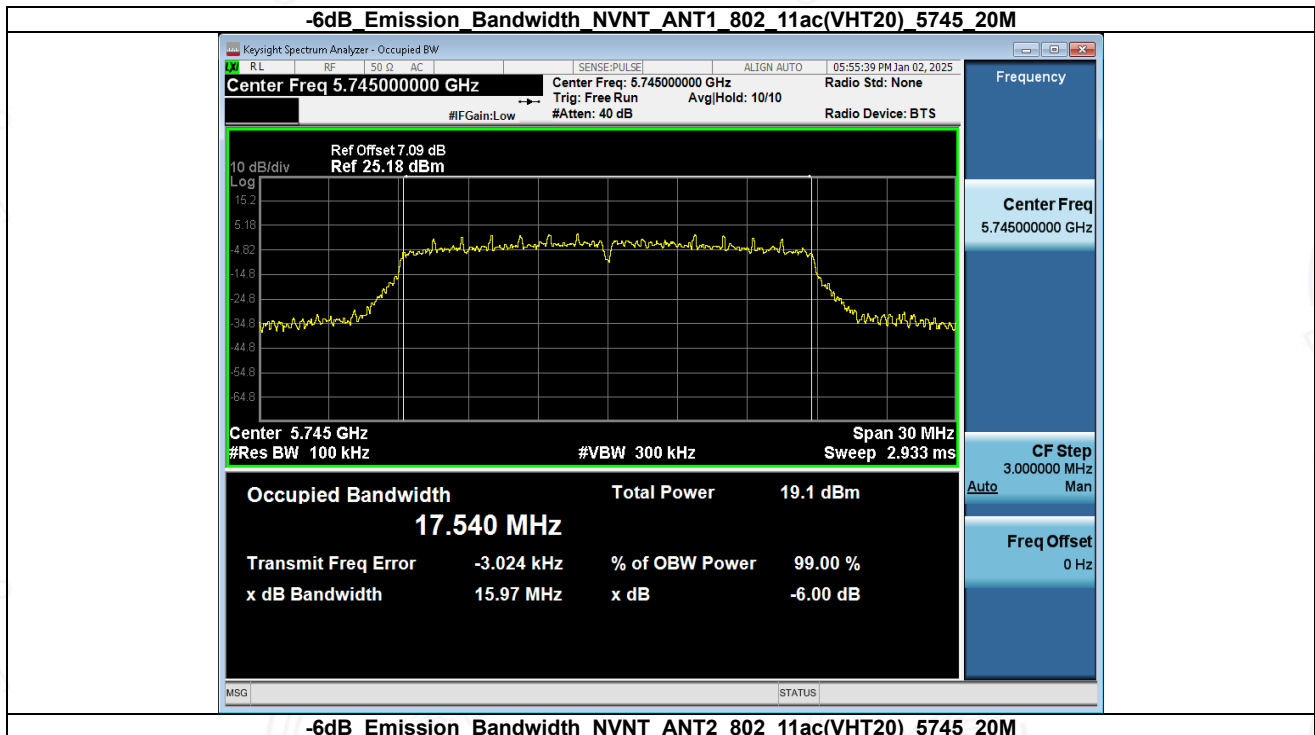






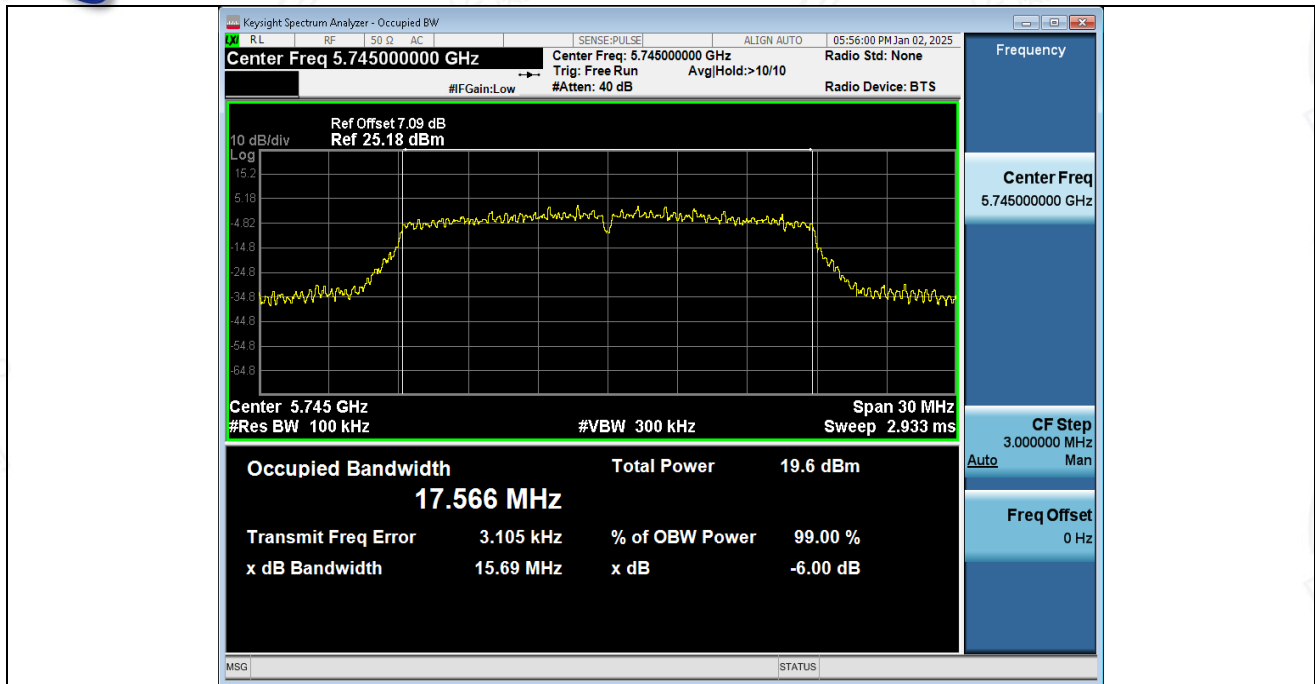


-6dB Emission Bandwidth NVNT_ANT1_802_11ac(VHT20)_5745_20M

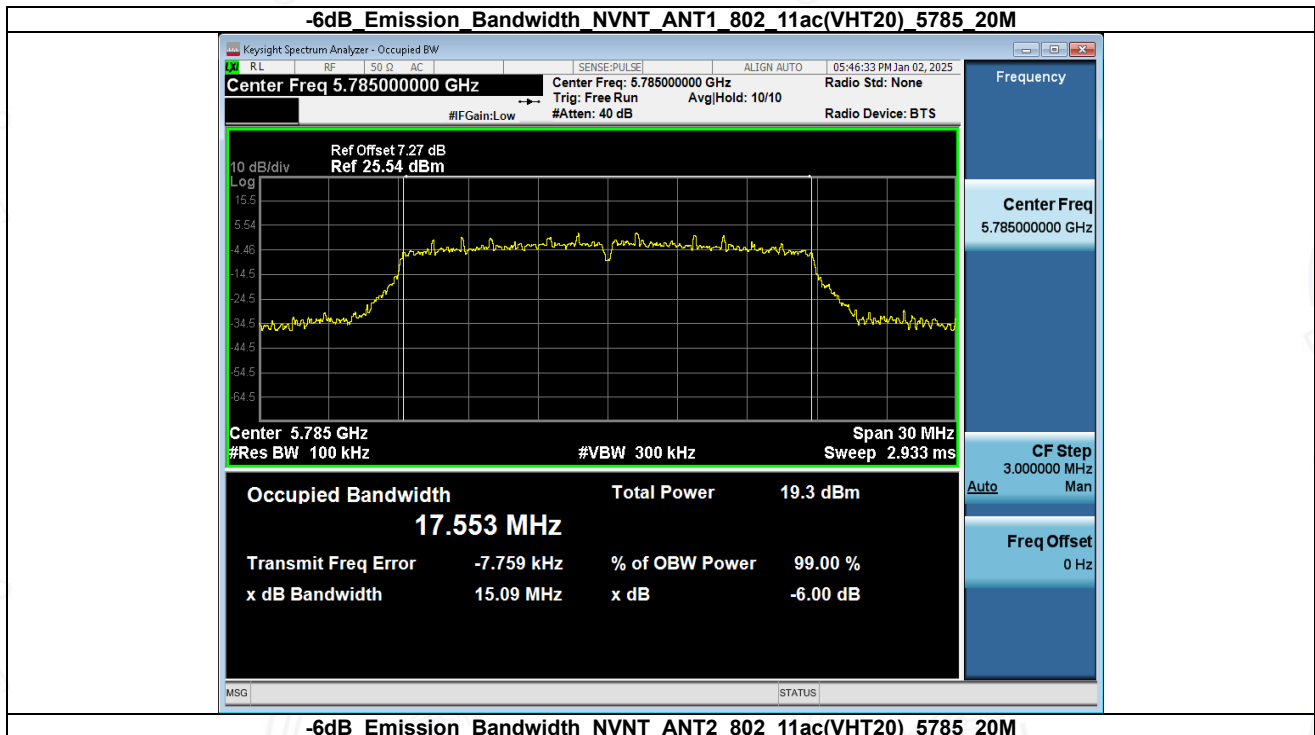


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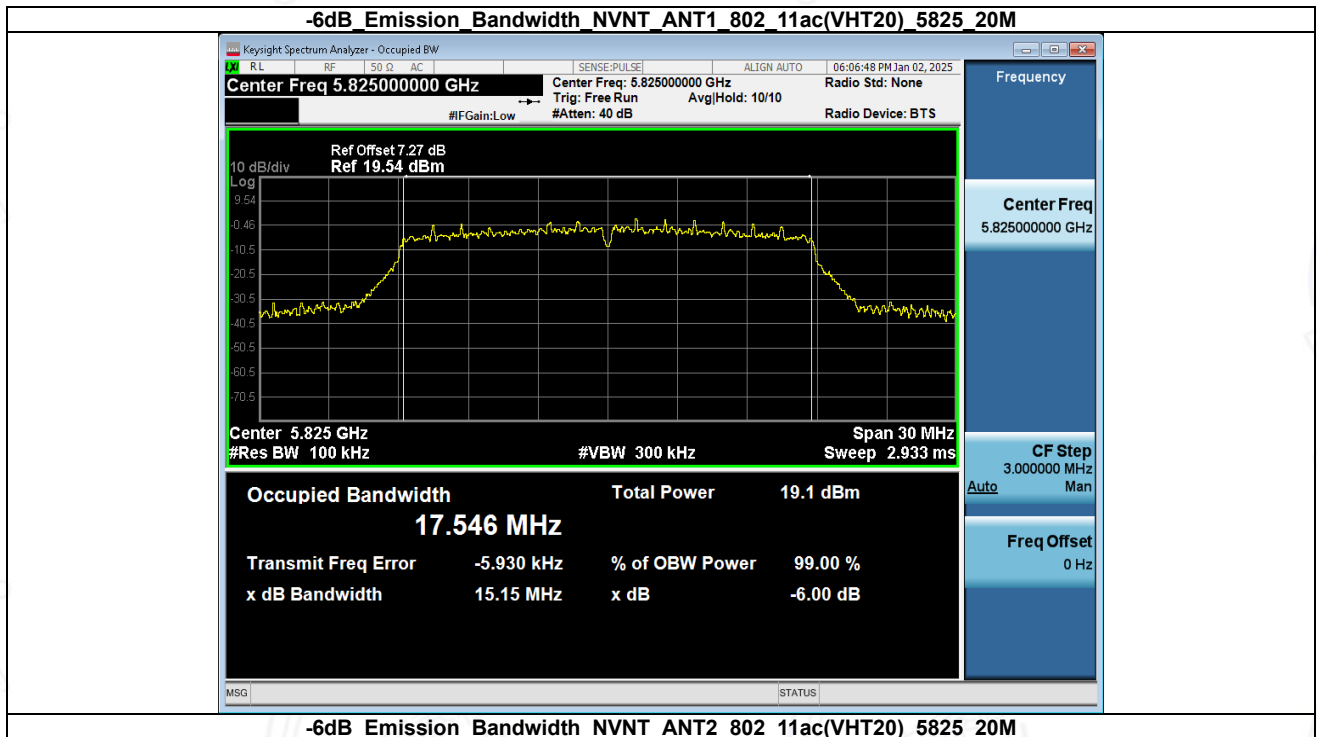
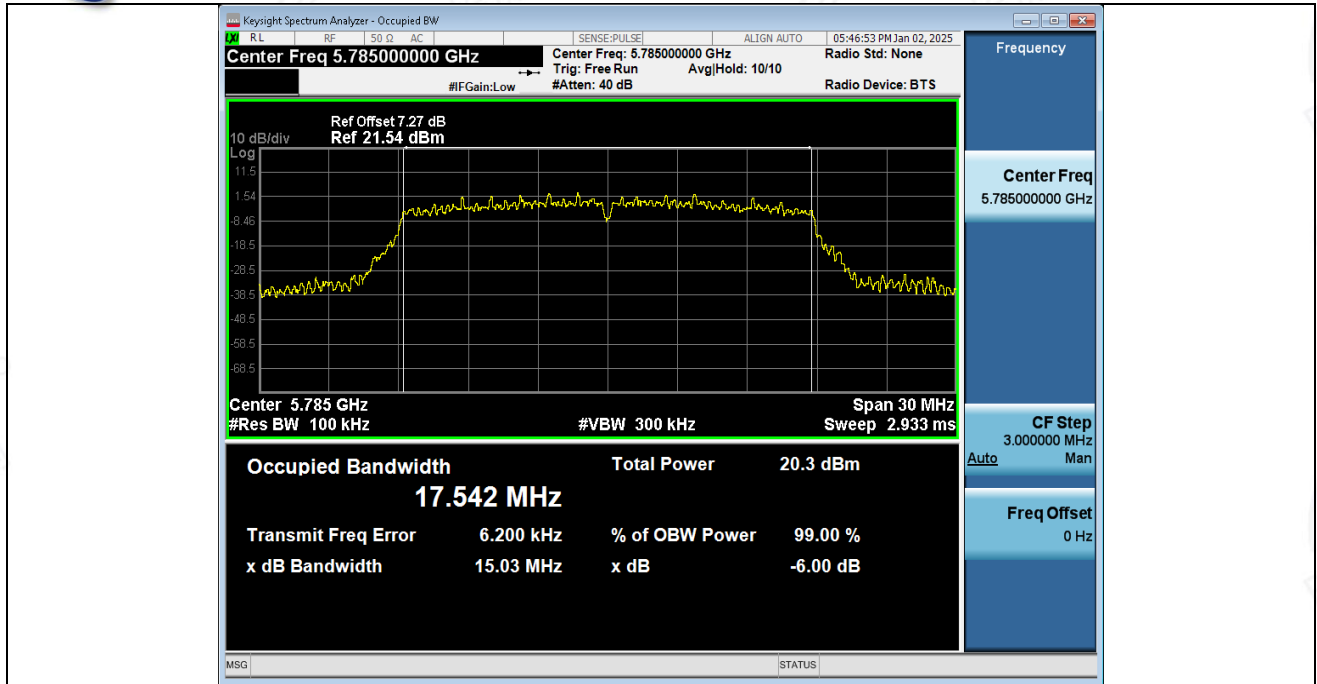


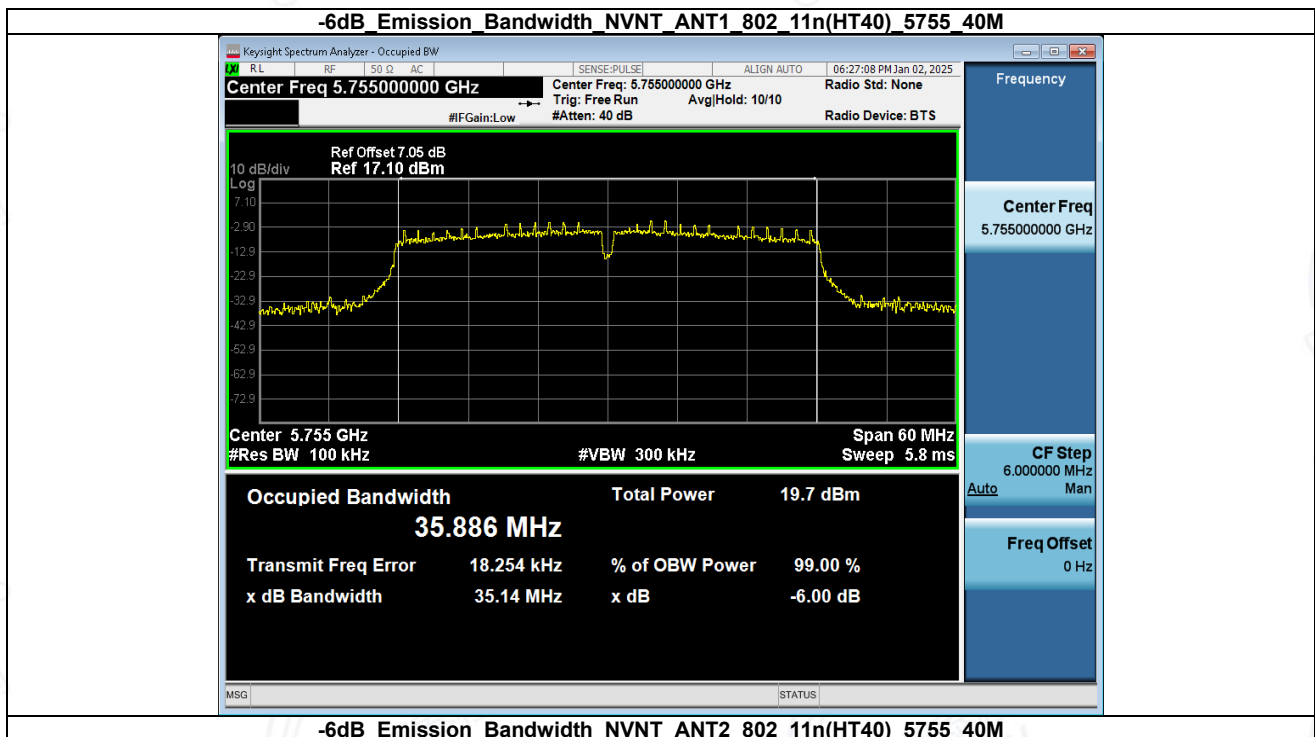
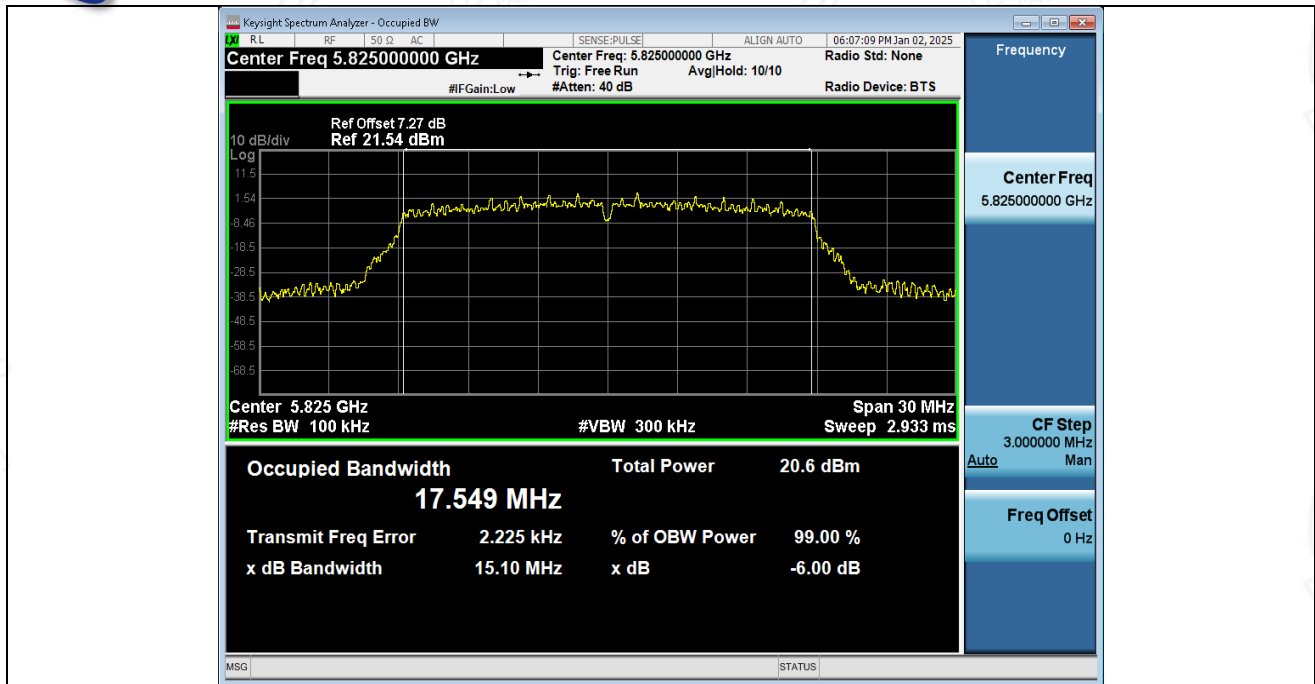
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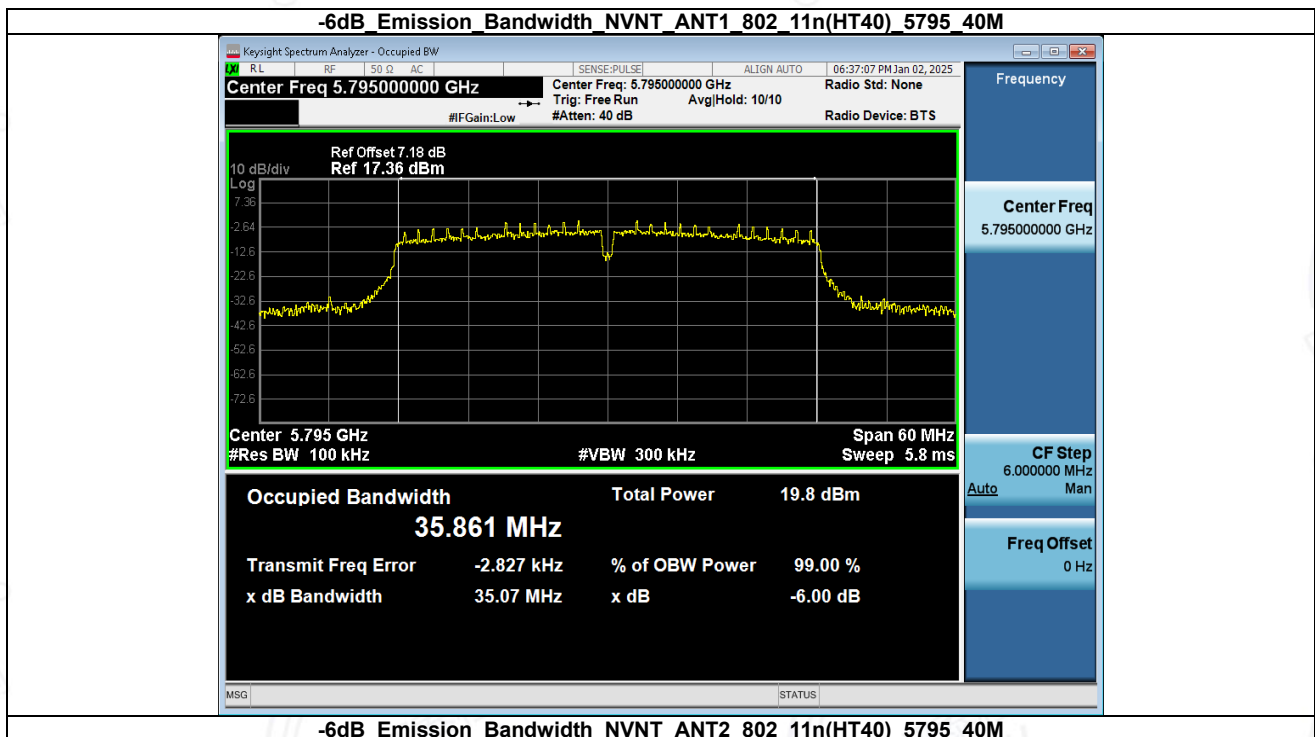
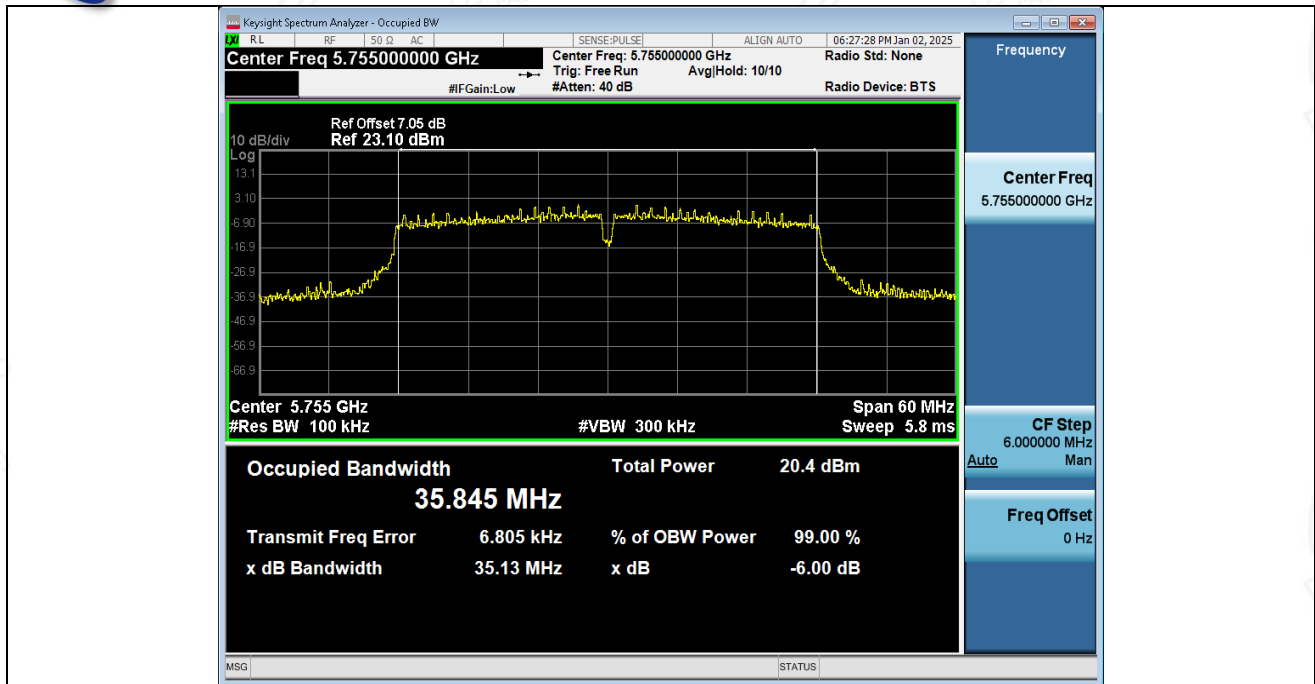


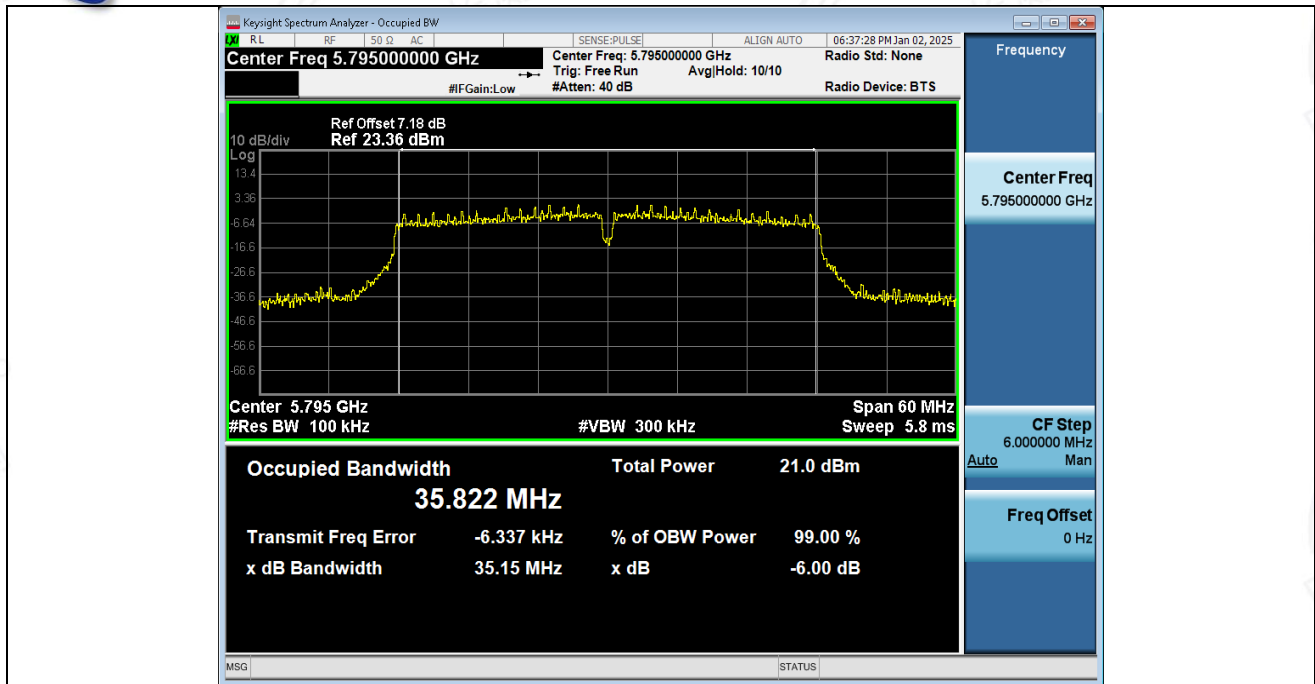
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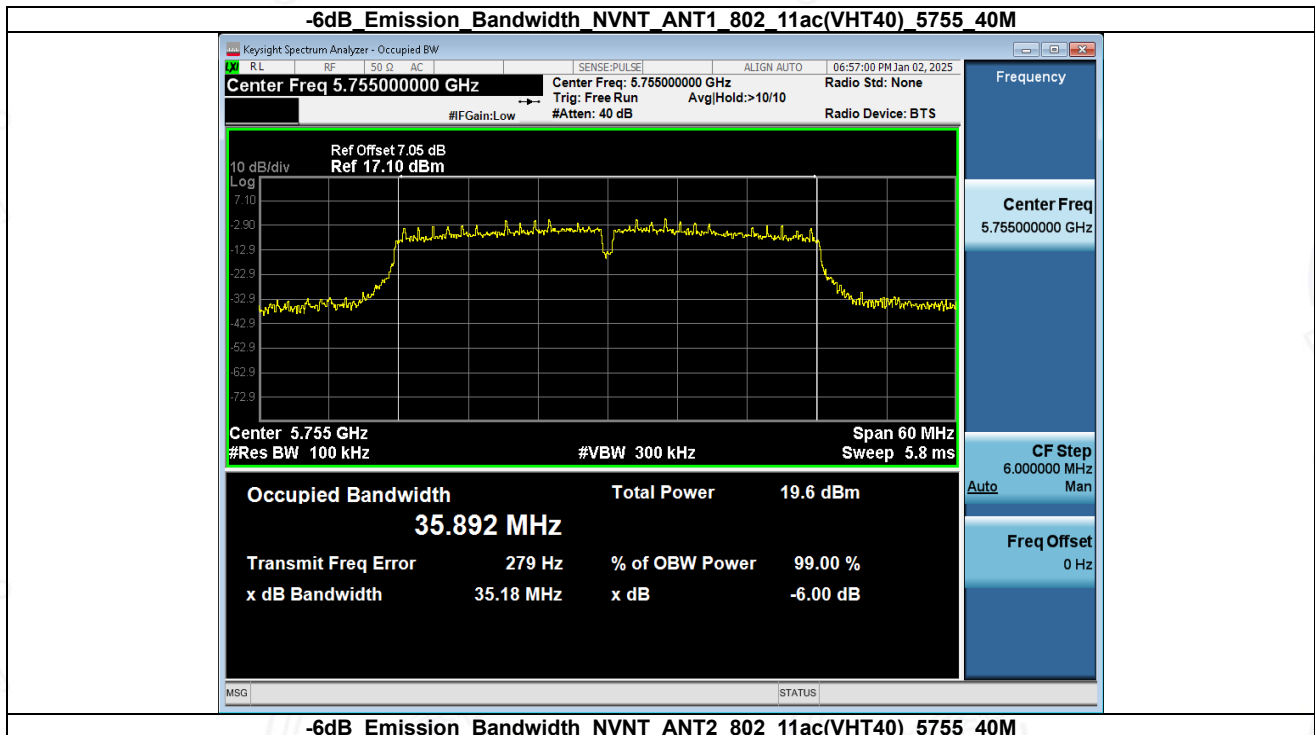






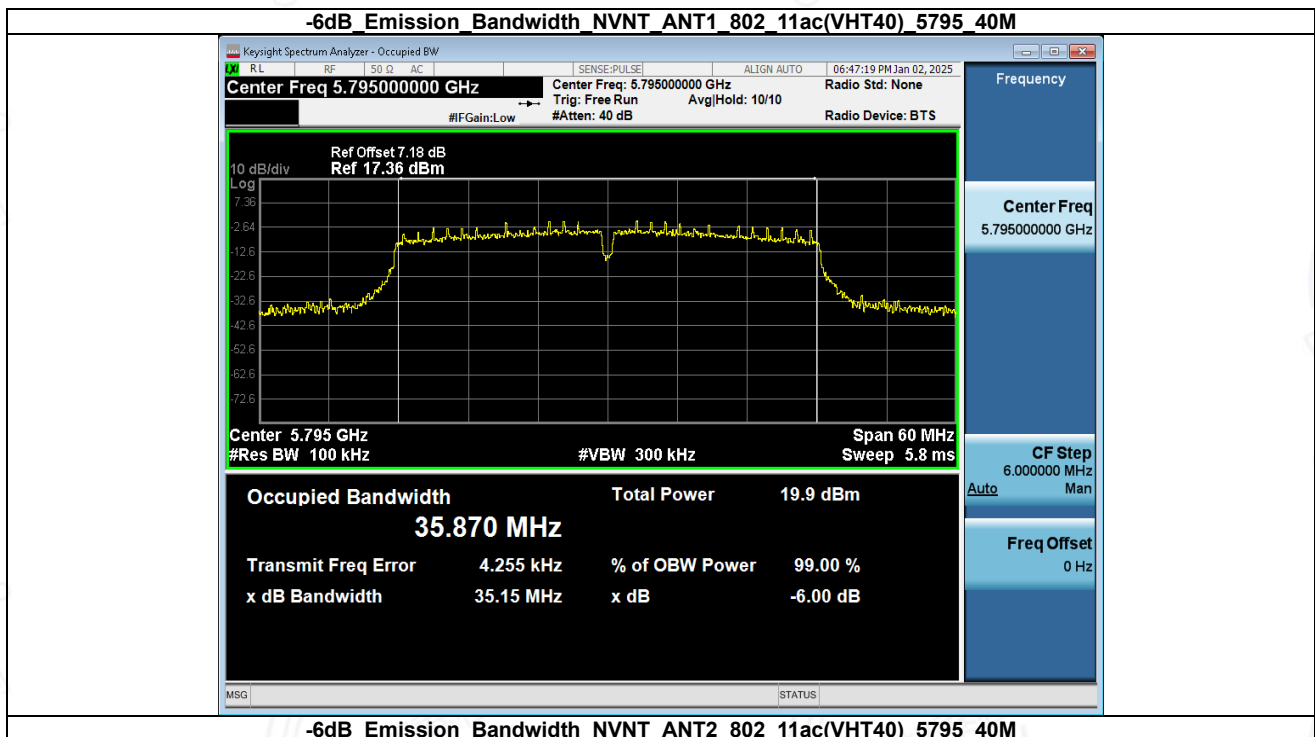
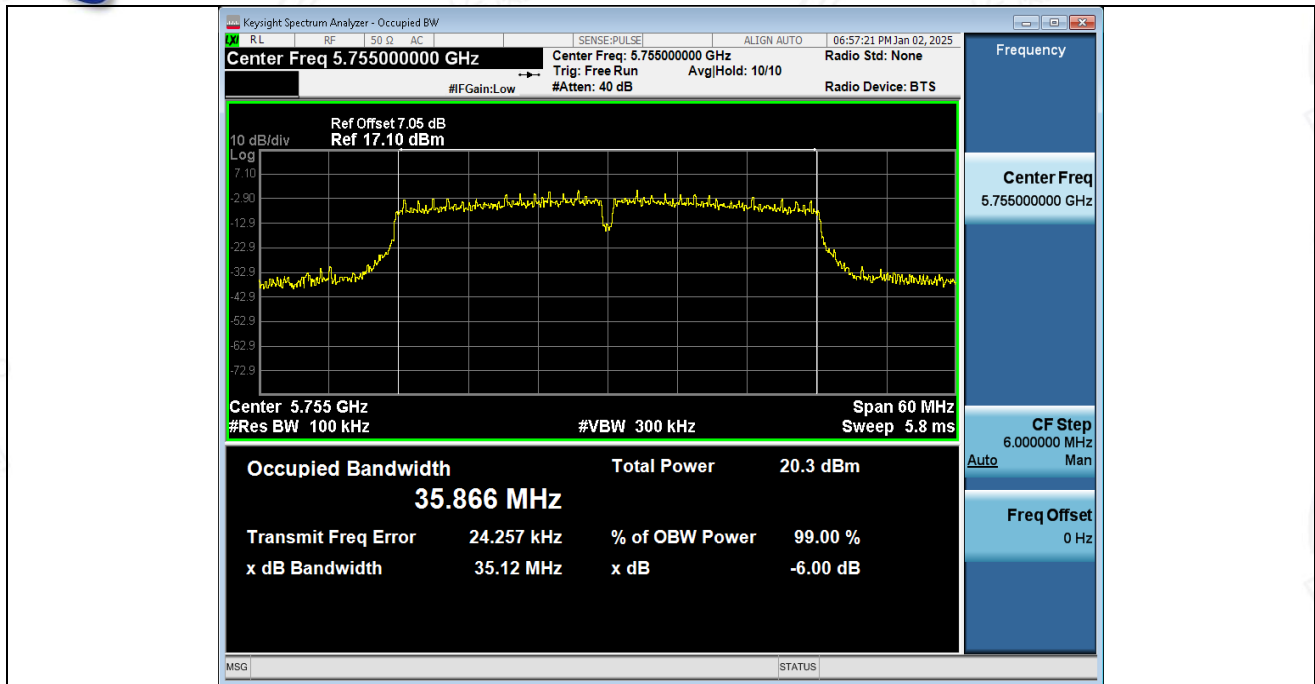


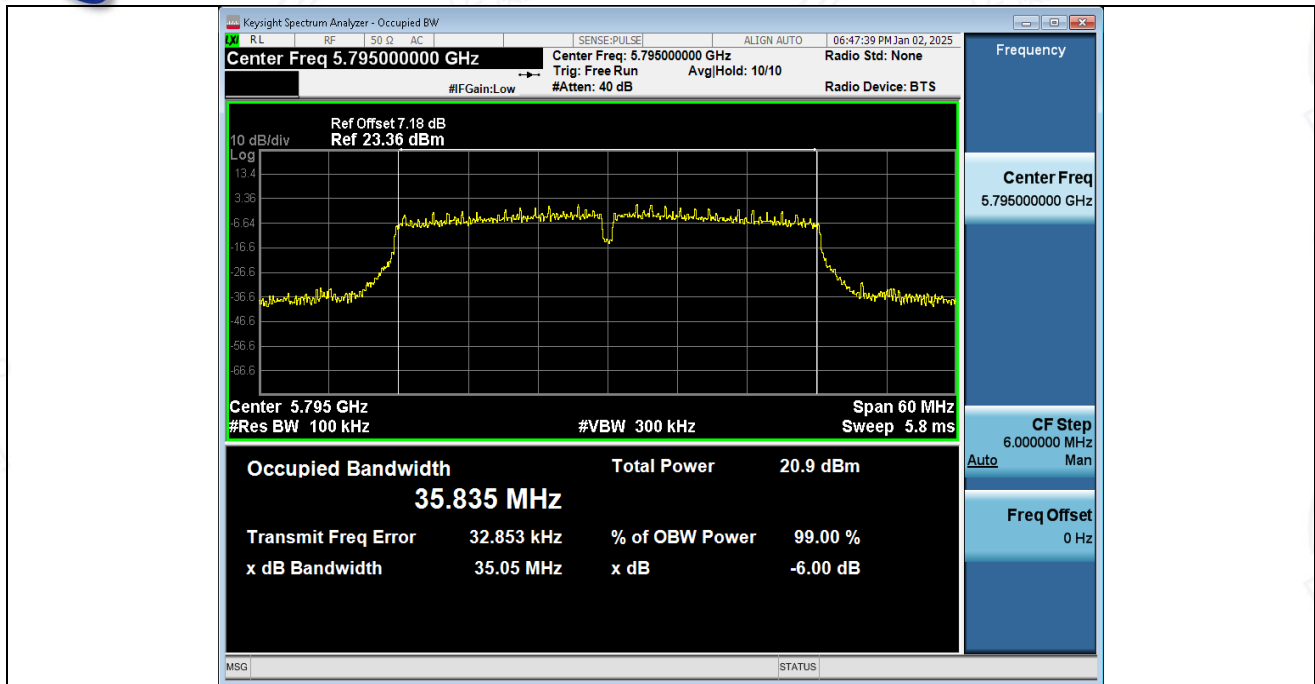
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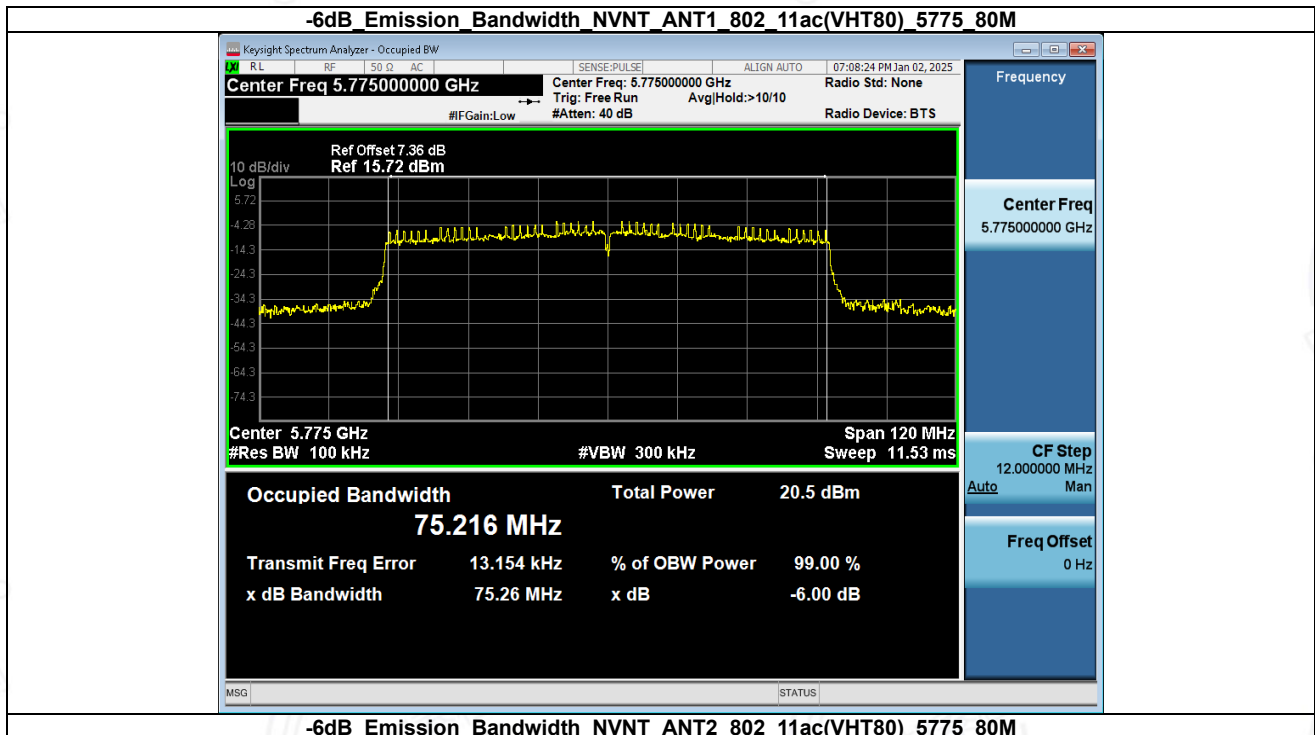
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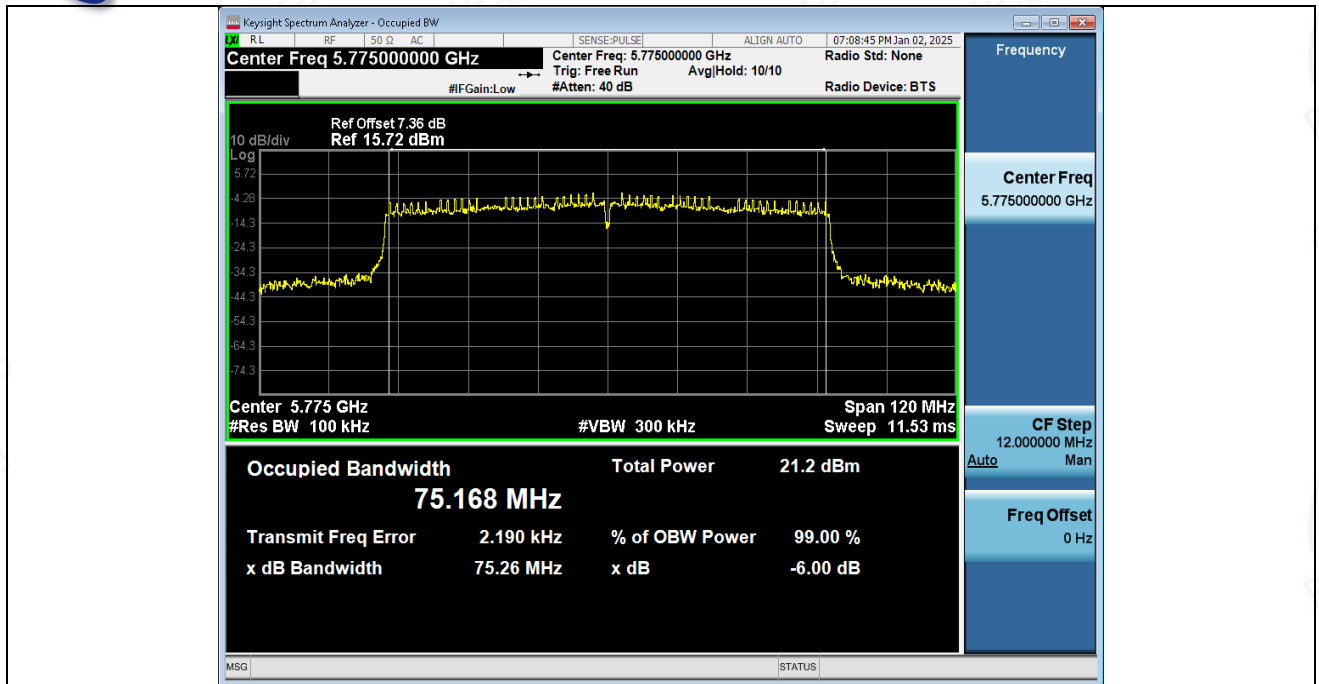


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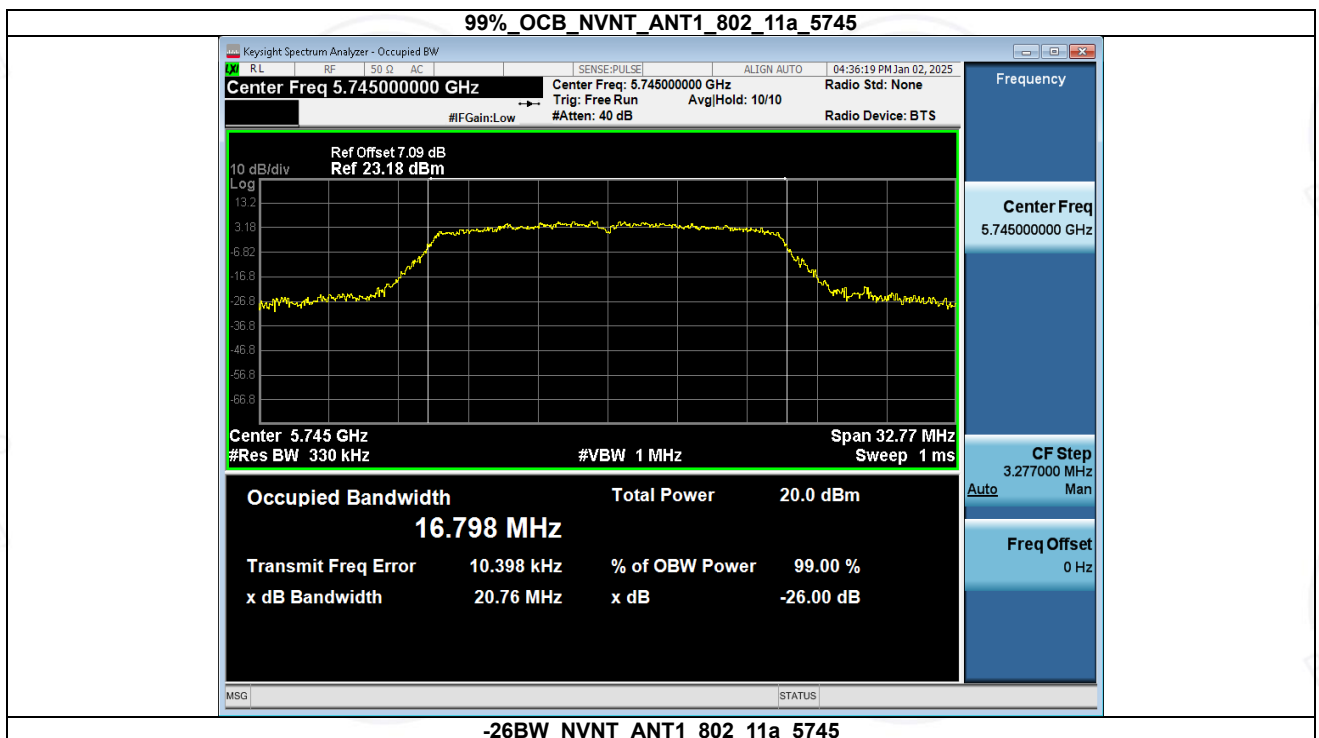
-6dB Emission Bandwidth_NVNT_ANT2_802_11ac(VHT80)_5775_80M





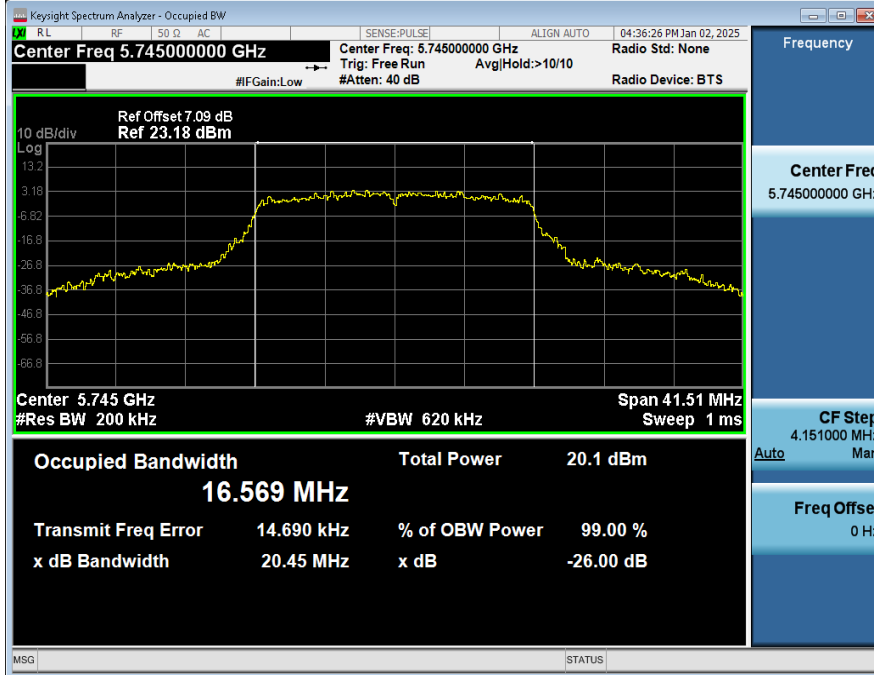
2. -26dB and 99% Emission Bandwidth

Condition	Antenna	Modulation	Frequency(MHz)	26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5745.00	20.45	16.80
NVNT	ANT2	802.11a	5745.00	20.61	16.58
NVNT	ANT1	802.11a	5785.00	20.23	16.77
NVNT	ANT2	802.11a	5785.00	19.90	16.59
NVNT	ANT1	802.11a	5825.00	20.38	16.82
NVNT	ANT2	802.11a	5825.00	19.72	16.58
NVNT	ANT1	802.11n(HT20)	5745.00	20.21	17.81
NVNT	ANT2	802.11n(HT20)	5745.00	20.02	17.66
NVNT	ANT1	802.11n(HT20)	5785.00	20.34	17.77
NVNT	ANT2	802.11n(HT20)	5785.00	19.98	17.63
NVNT	ANT1	802.11n(HT20)	5825.00	20.36	17.82
NVNT	ANT2	802.11n(HT20)	5825.00	20.06	17.63
NVNT	ANT1	802.11ac(VHT20)	5745.00	20.29	17.78
NVNT	ANT2	802.11ac(VHT20)	5745.00	20.16	17.64
NVNT	ANT1	802.11ac(VHT20)	5785.00	20.15	17.79
NVNT	ANT2	802.11ac(VHT20)	5785.00	20.05	17.64
NVNT	ANT1	802.11ac(VHT20)	5825.00	20.09	17.79
NVNT	ANT2	802.11ac(VHT20)	5825.00	20.27	17.65
NVNT	ANT1	802.11n(HT40)	5755.00	41.08	36.20
NVNT	ANT2	802.11n(HT40)	5755.00	39.74	36.19
NVNT	ANT1	802.11n(HT40)	5795.00	40.86	36.14
NVNT	ANT2	802.11n(HT40)	5795.00	39.78	36.23
NVNT	ANT1	802.11ac(VHT40)	5755.00	40.56	36.18
NVNT	ANT2	802.11ac(VHT40)	5755.00	39.87	36.29
NVNT	ANT1	802.11ac(VHT40)	5795.00	40.81	36.22
NVNT	ANT2	802.11ac(VHT40)	5795.00	39.57	36.20
NVNT	ANT1	802.11ac(VHT80)	5775.00	81.22	75.49
NVNT	ANT2	802.11ac(VHT80)	5775.00	79.63	75.23

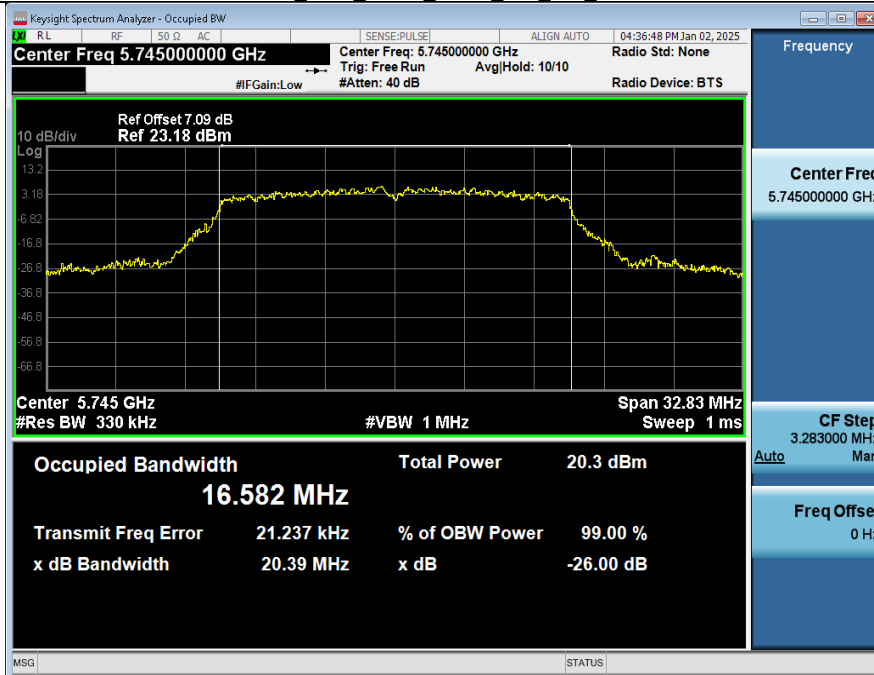


-26BW_NVNT_ANT1_802_11a_5745



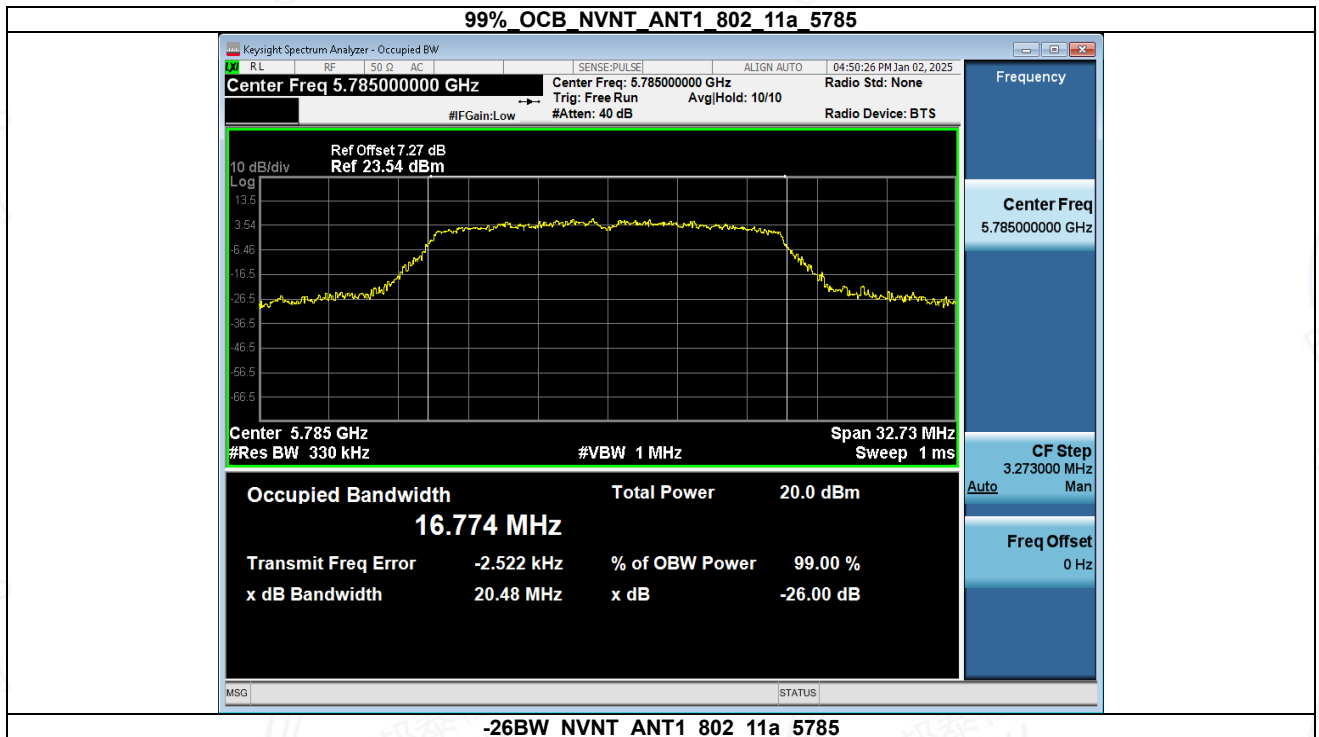
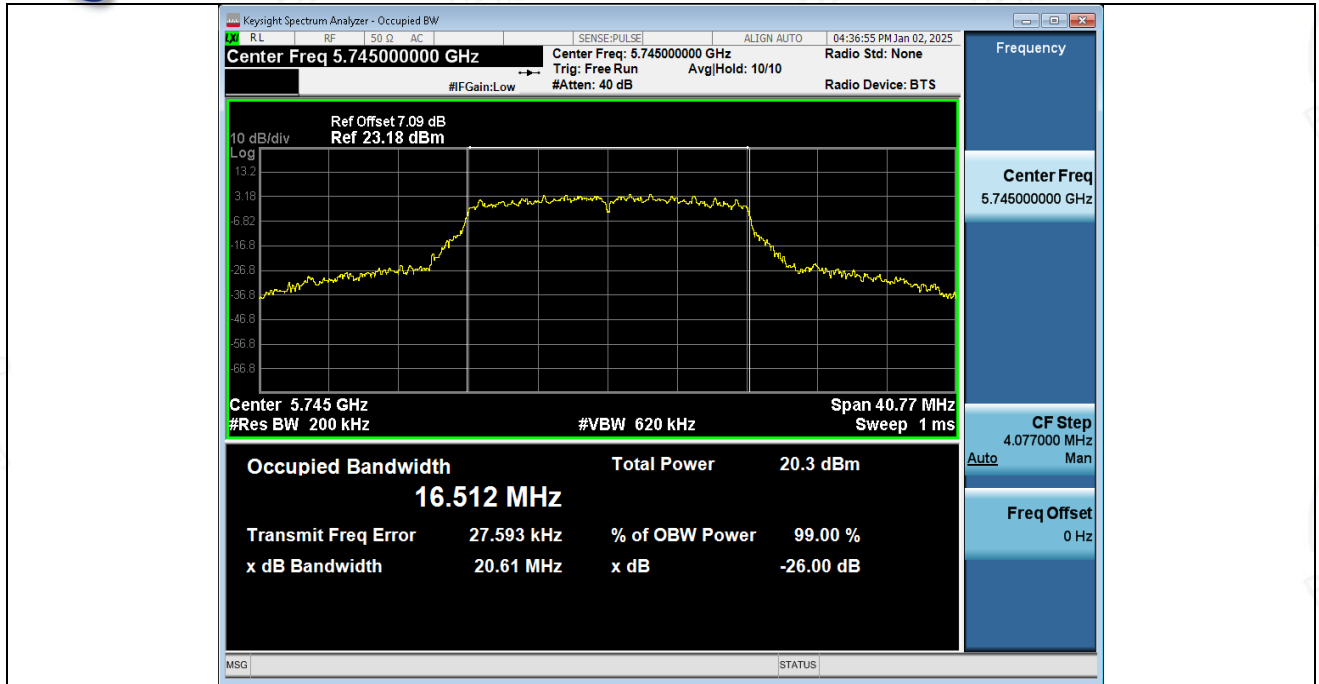


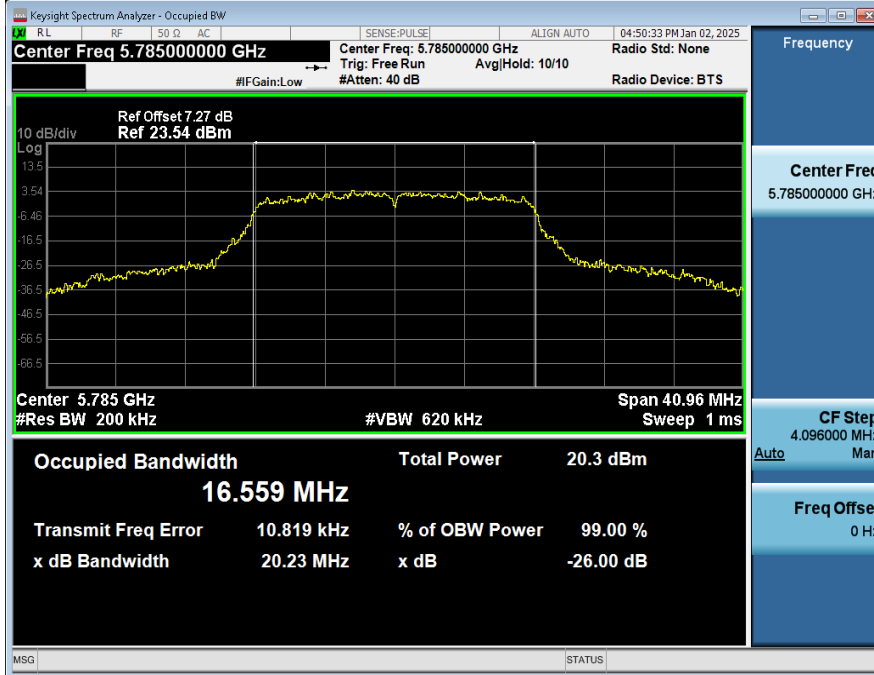
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-26BW_NVNT_ANT2_802_11a_5745





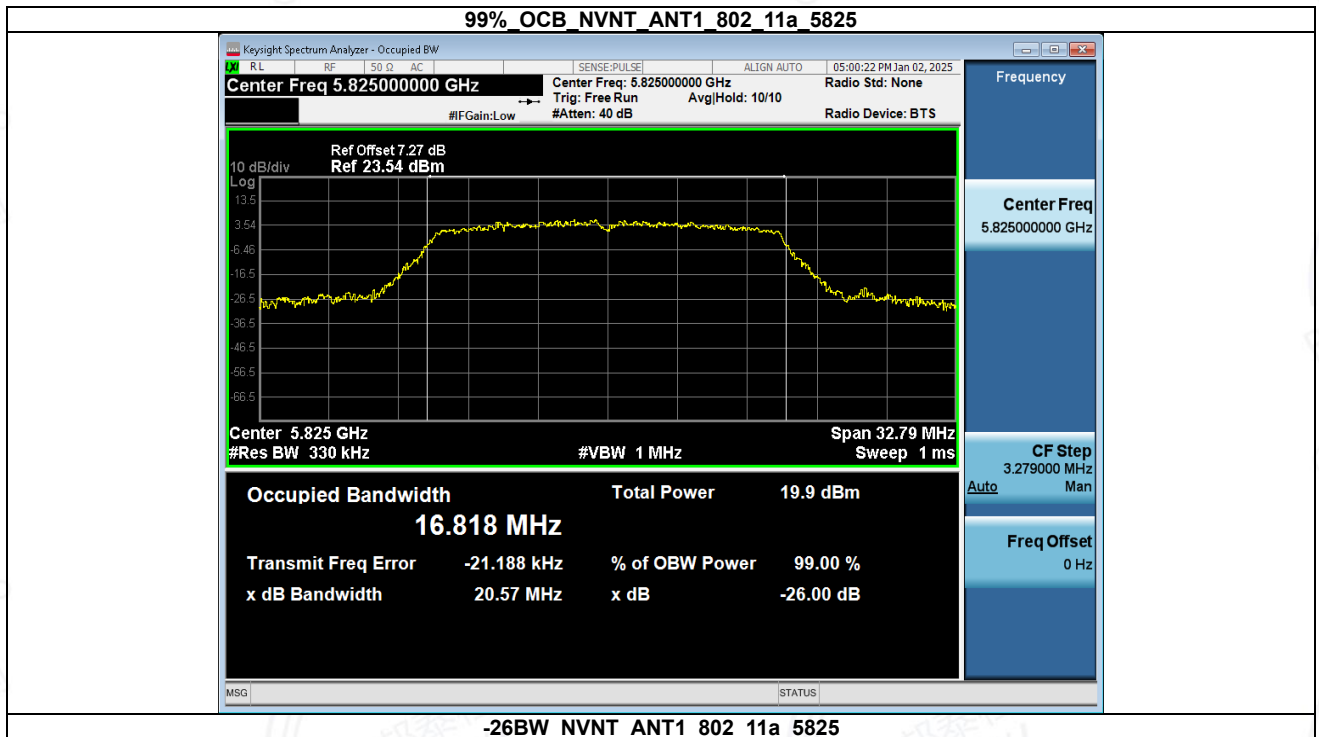


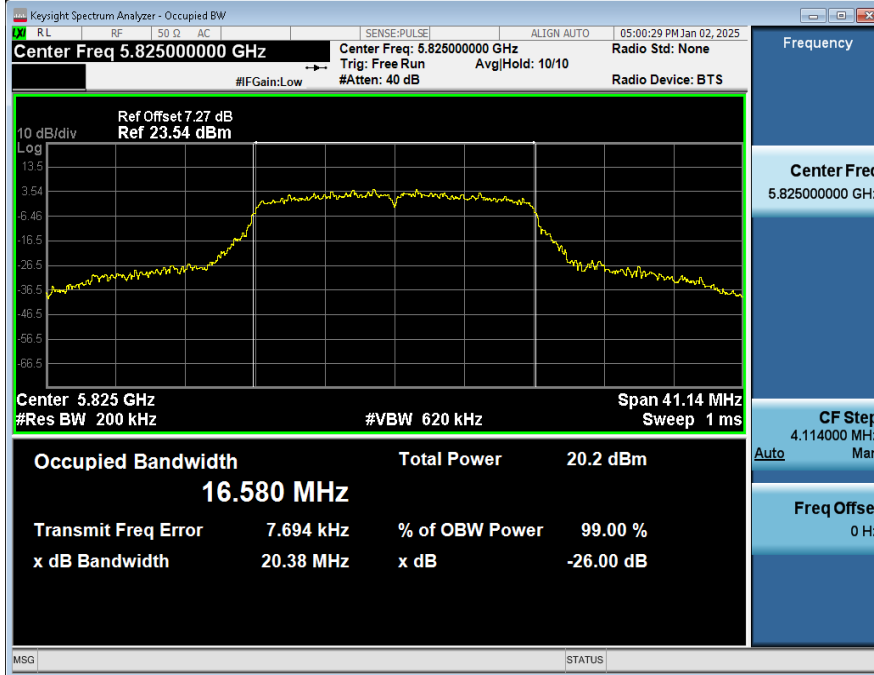
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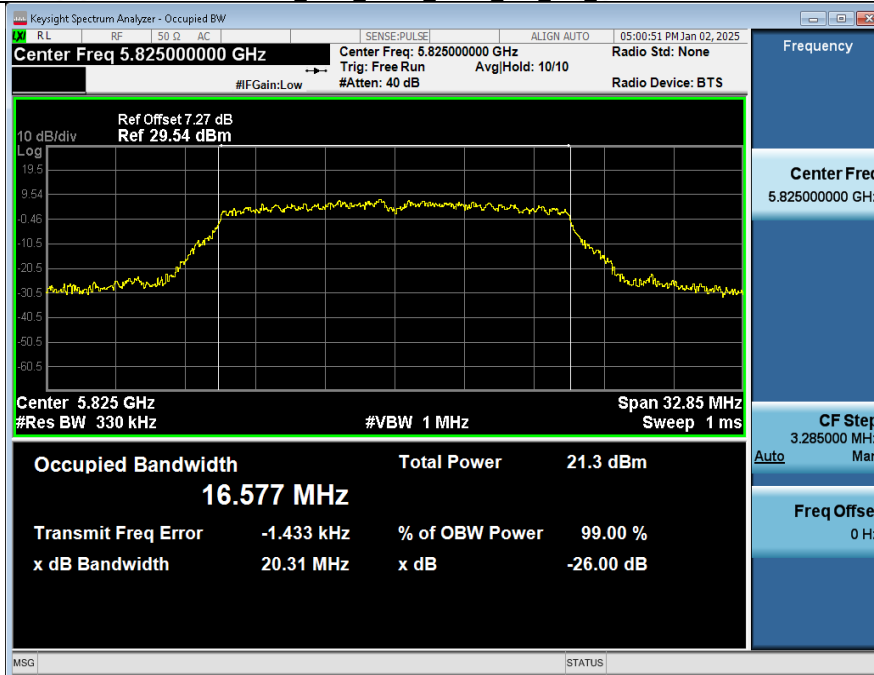
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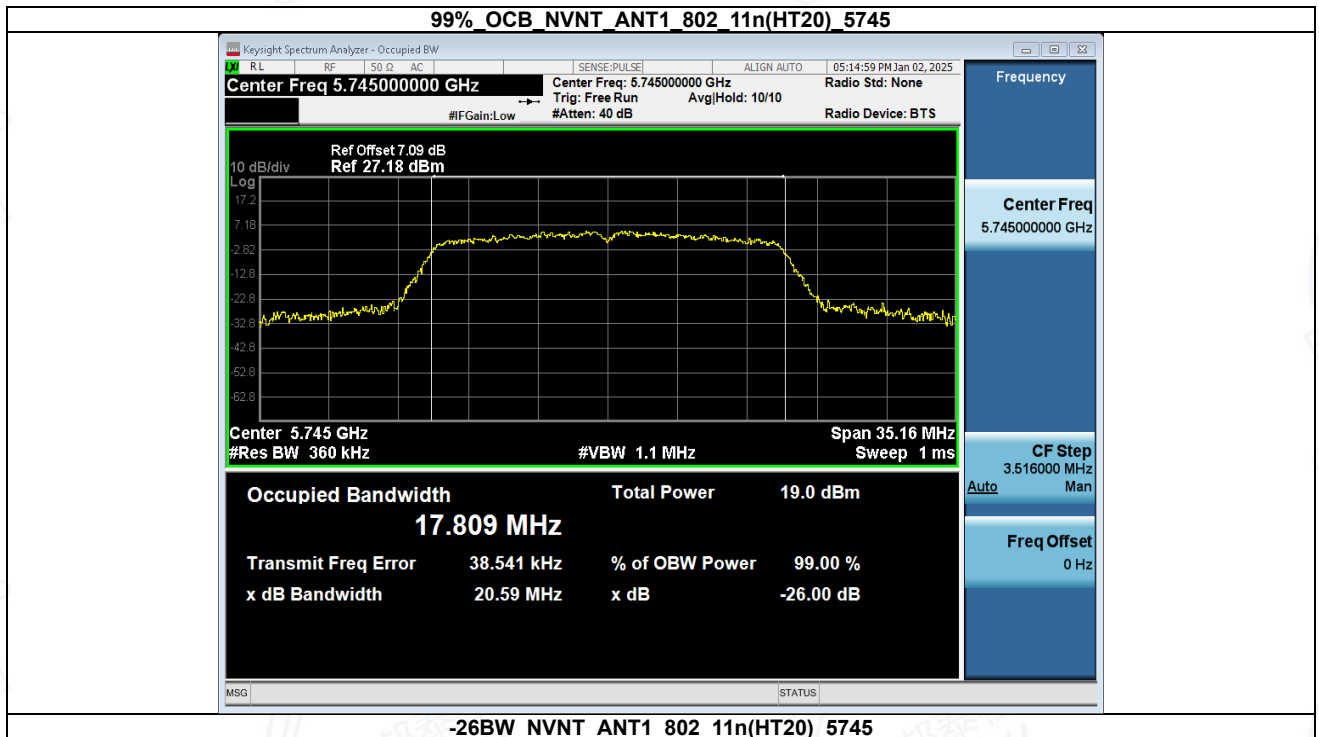


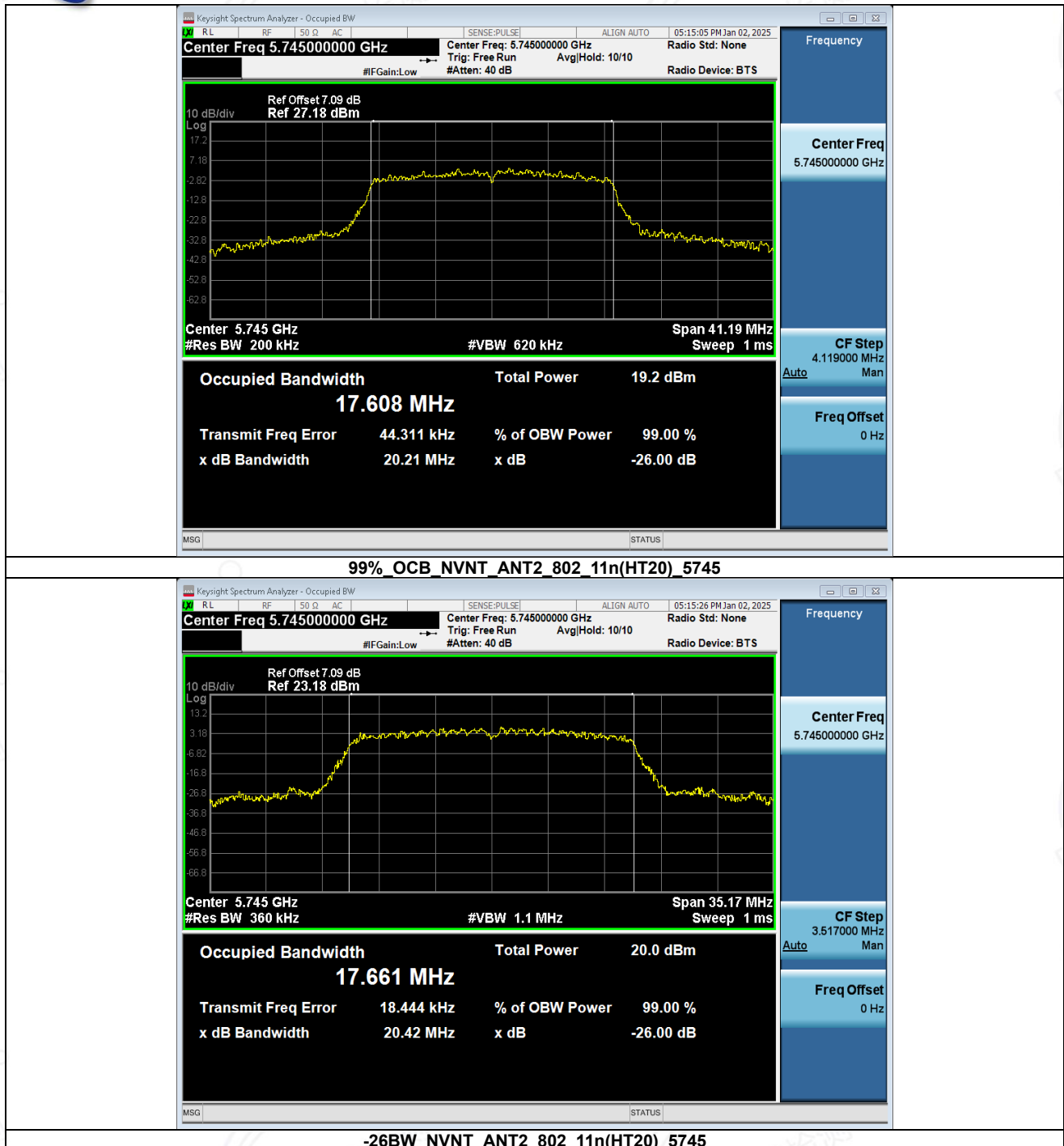
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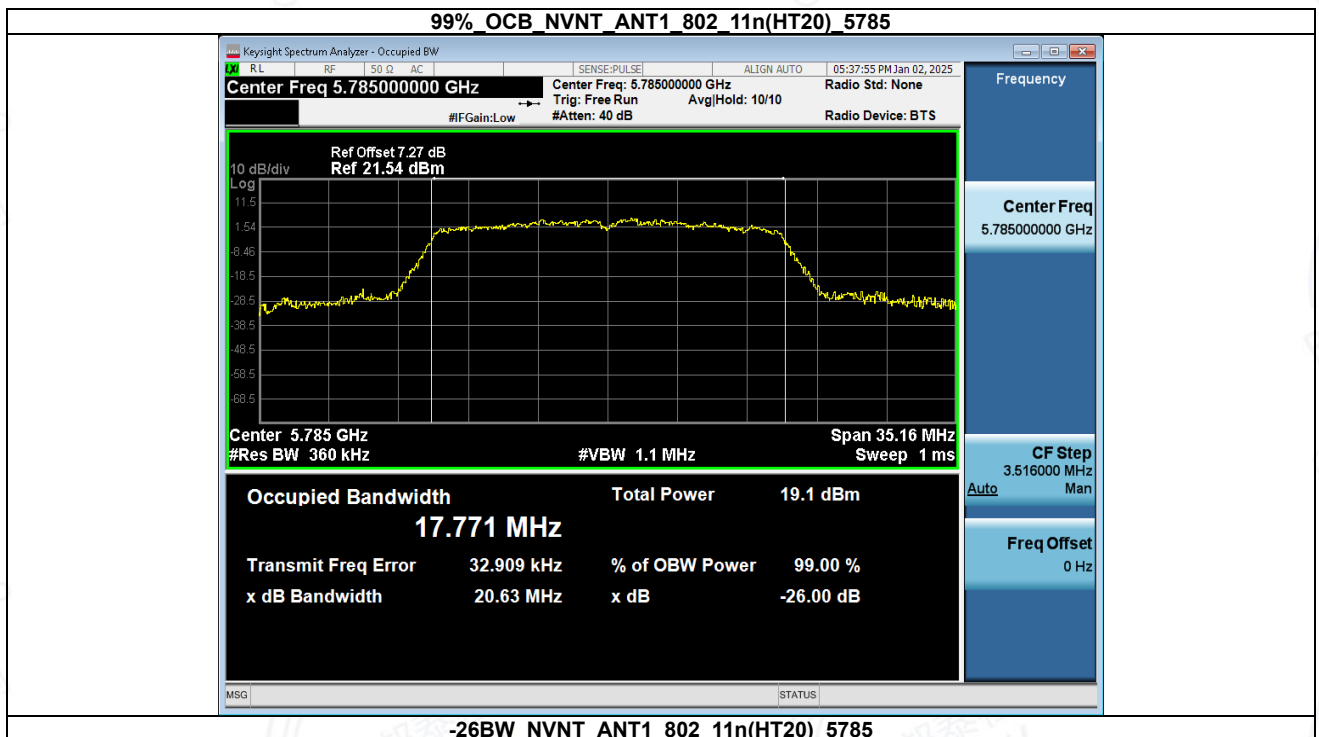
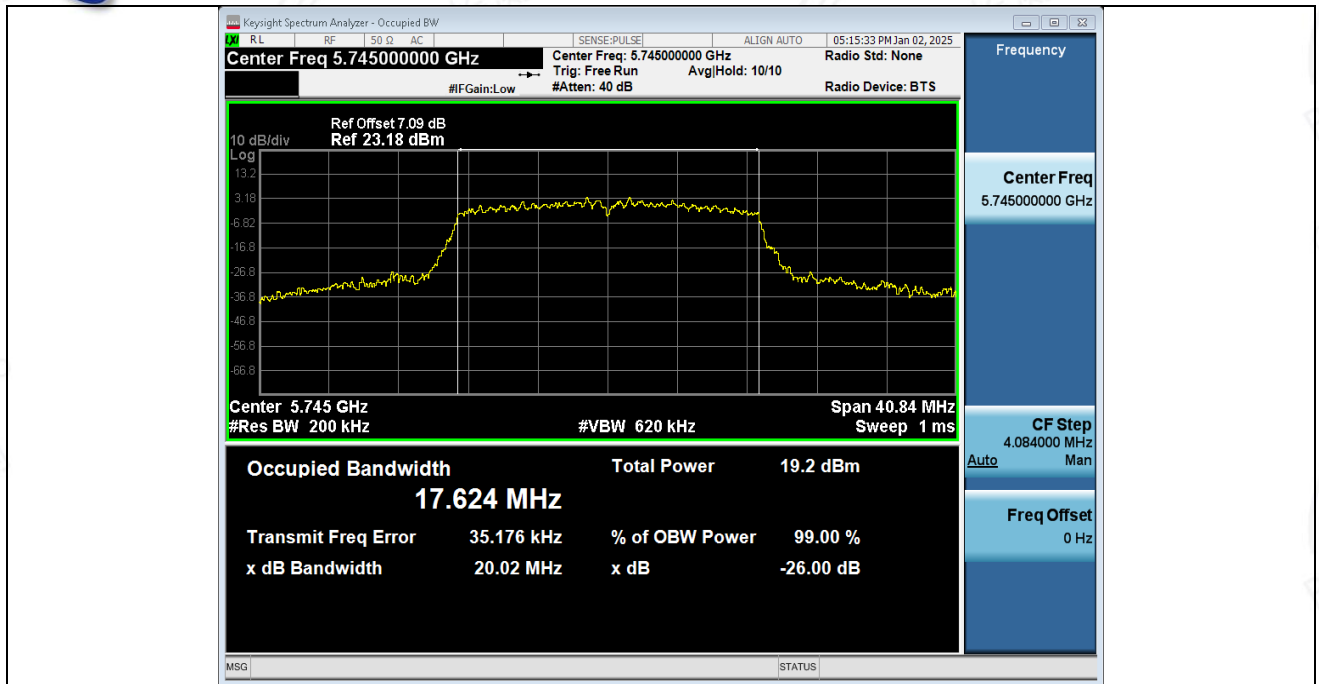


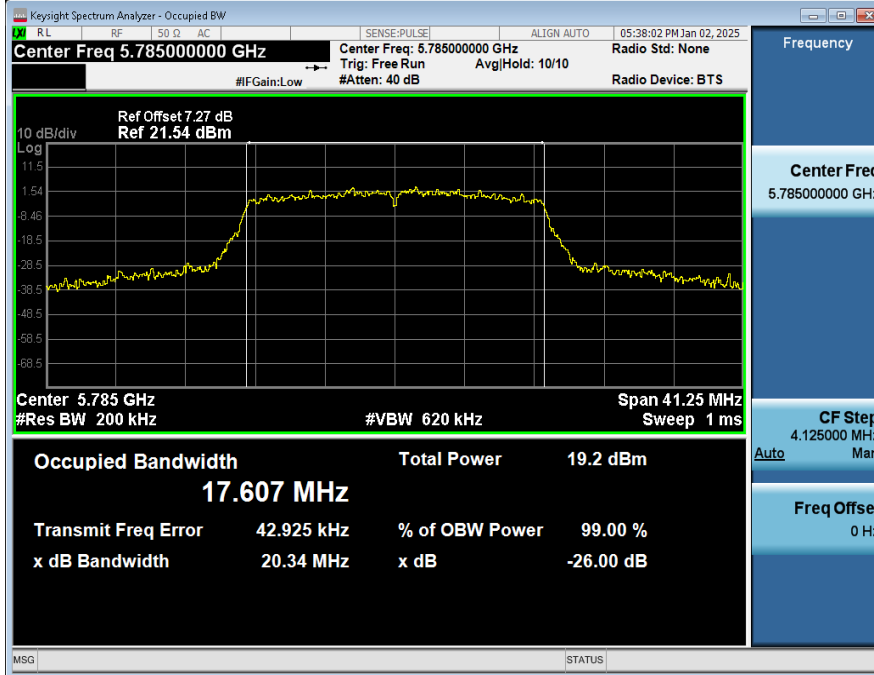
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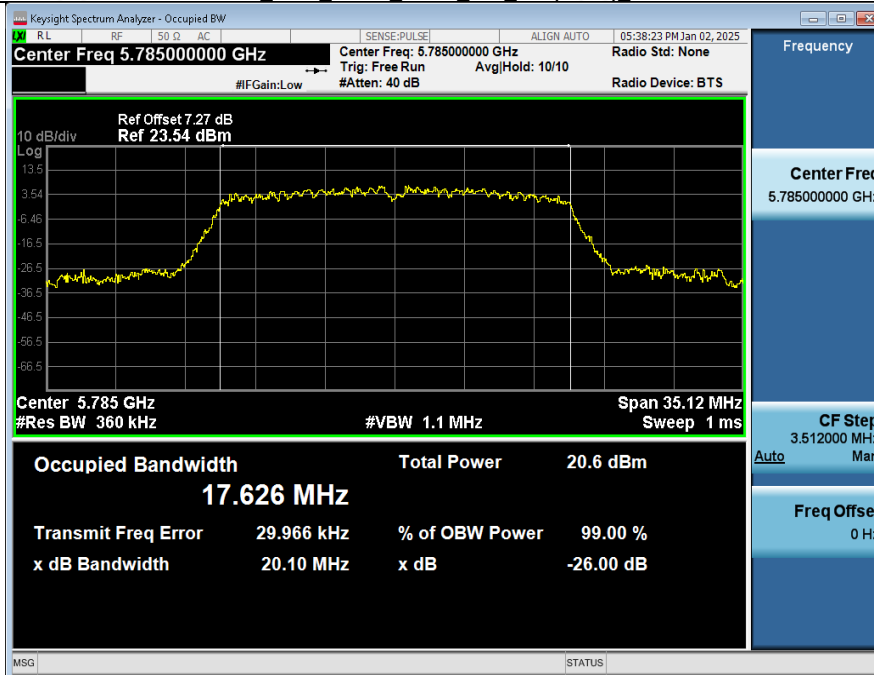






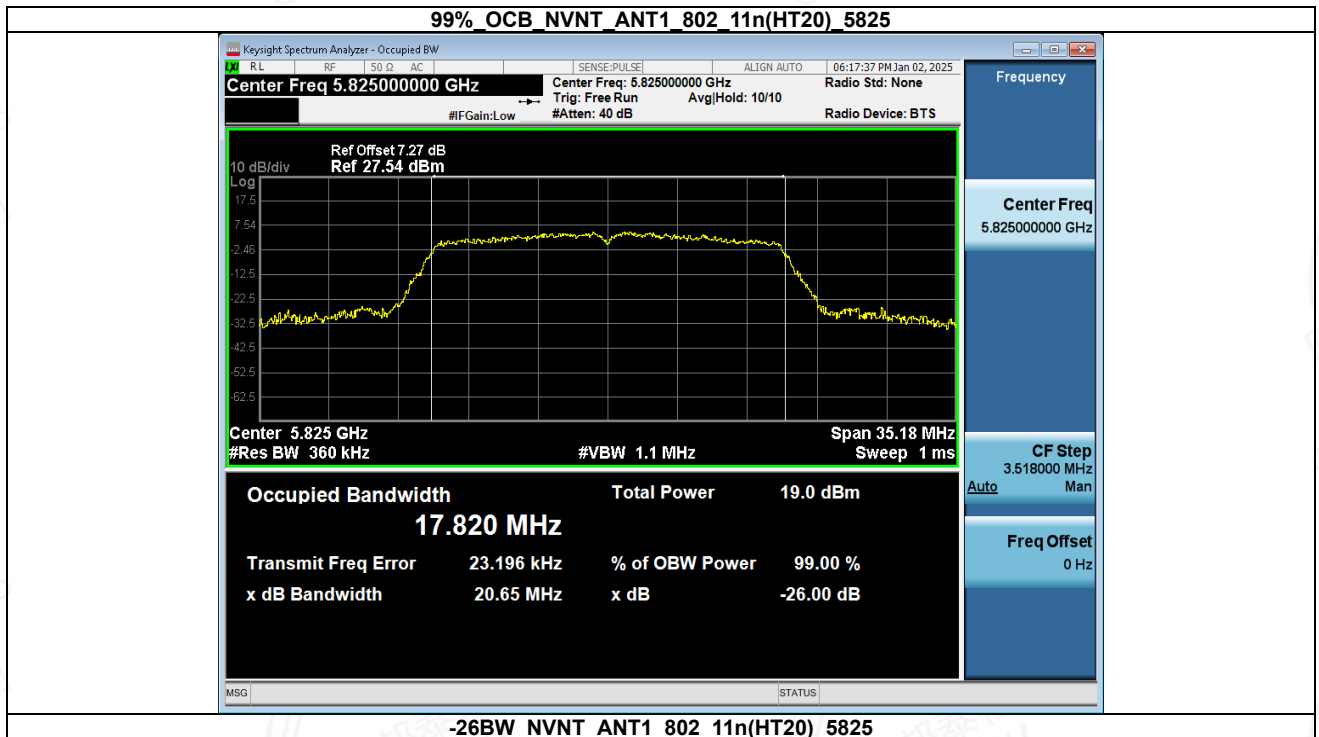
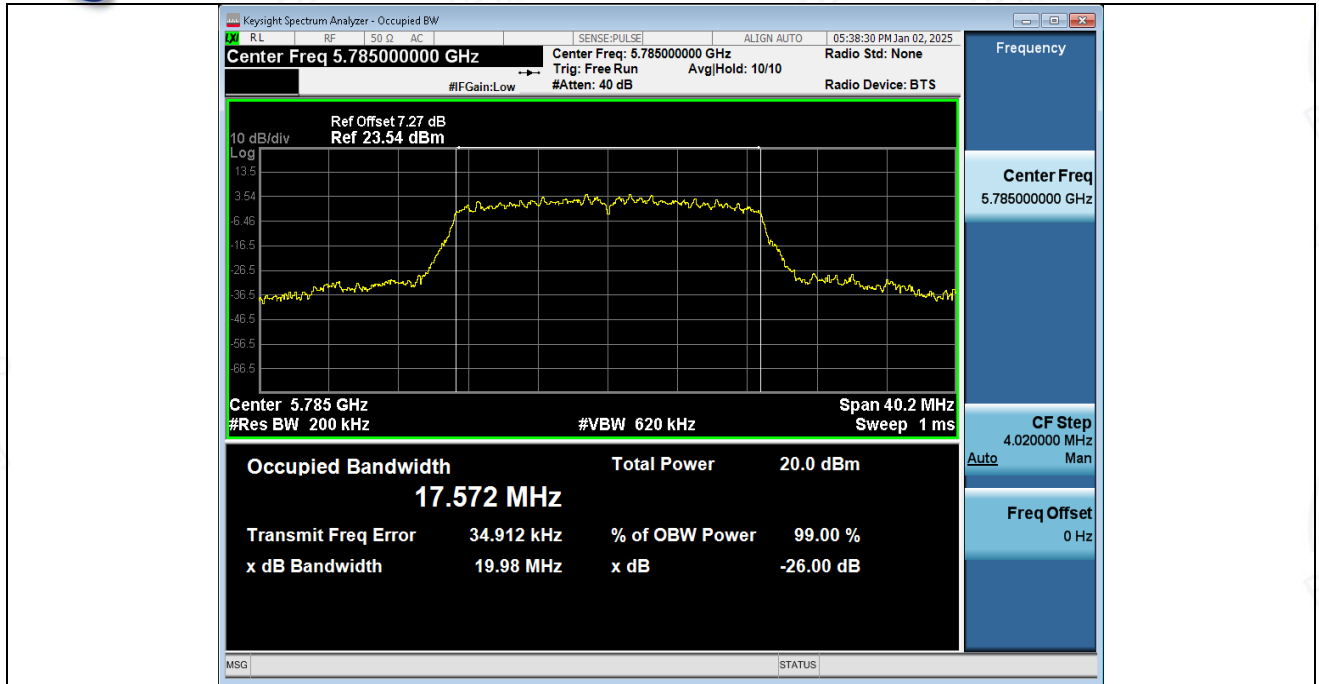


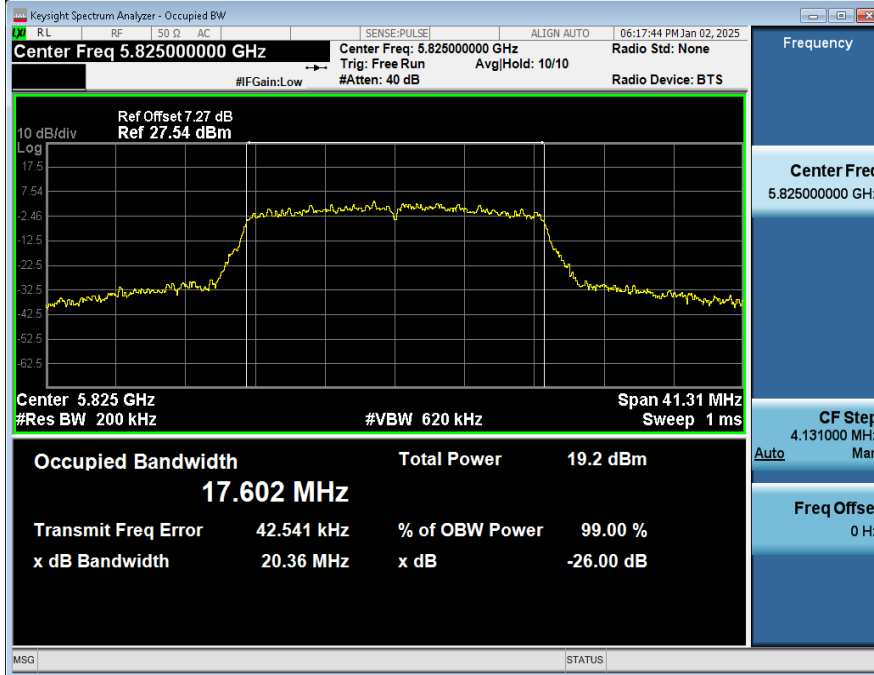
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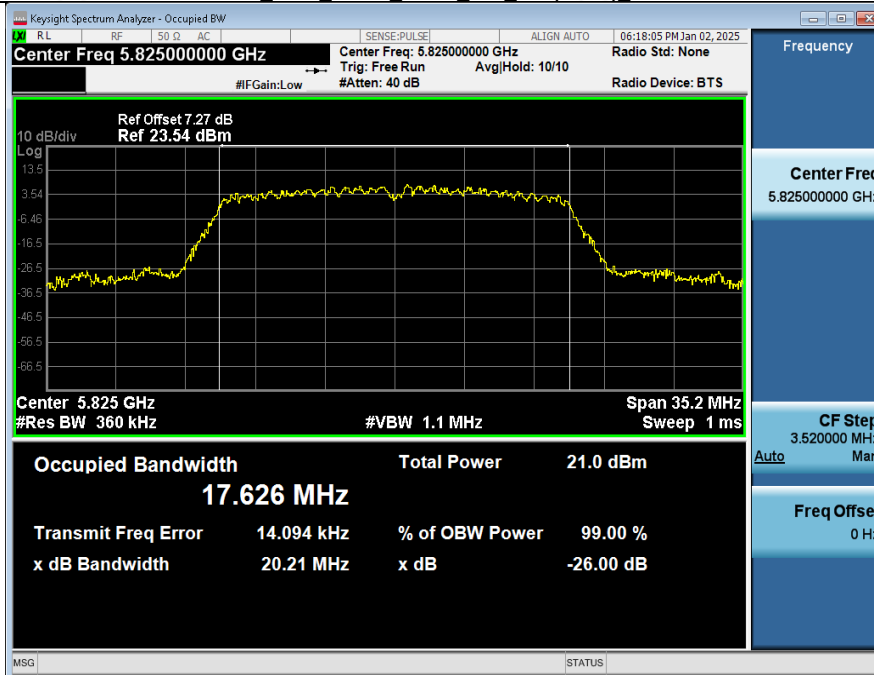
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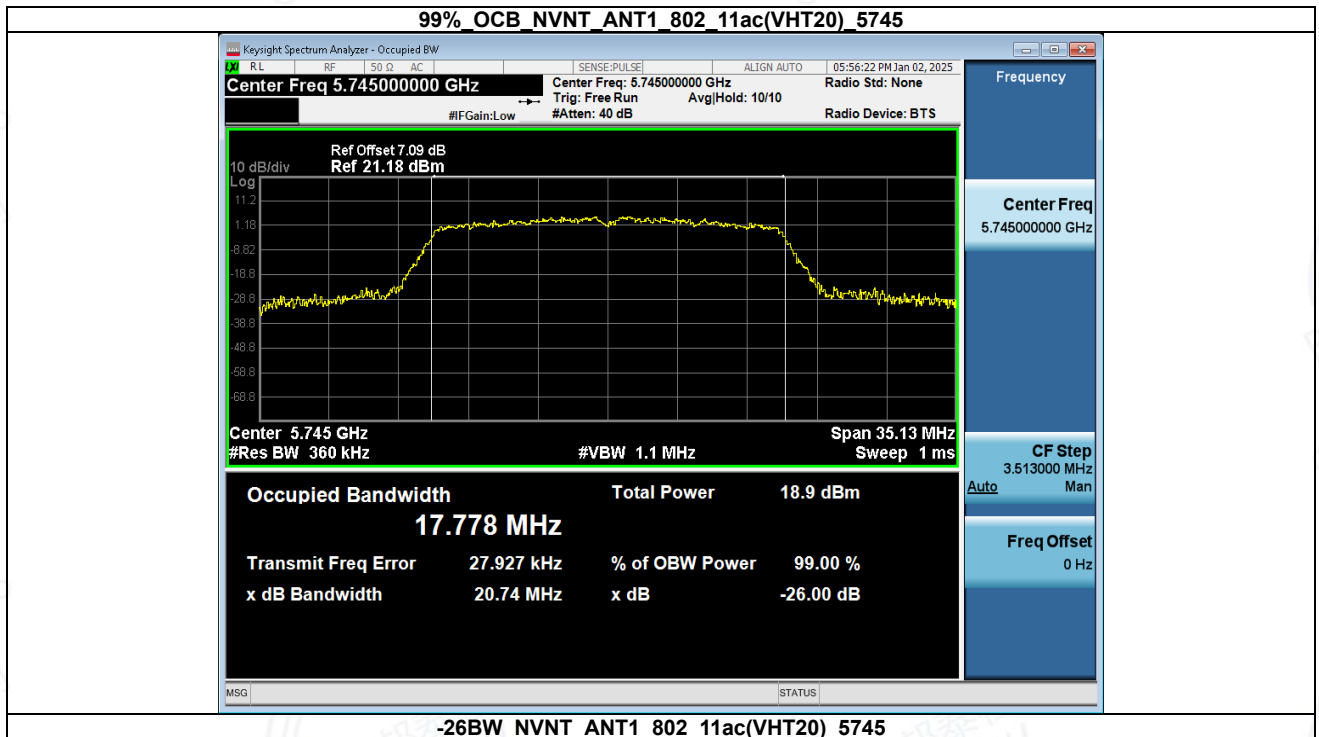
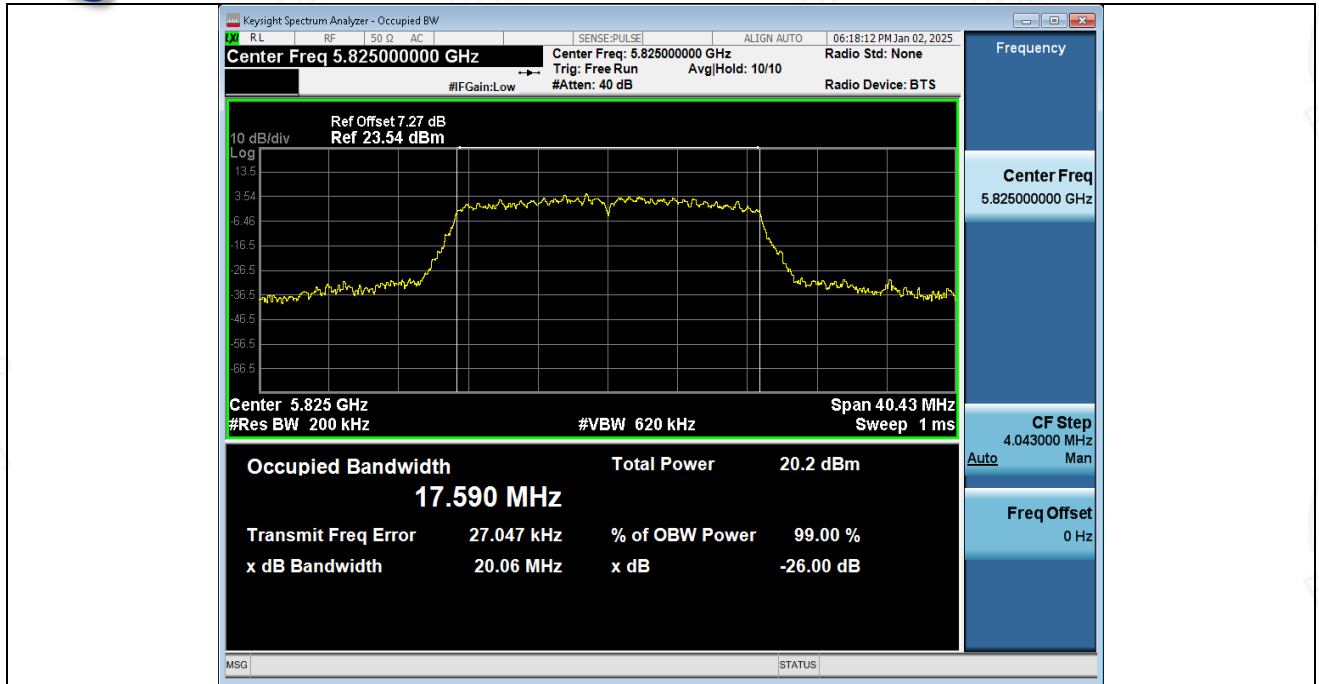


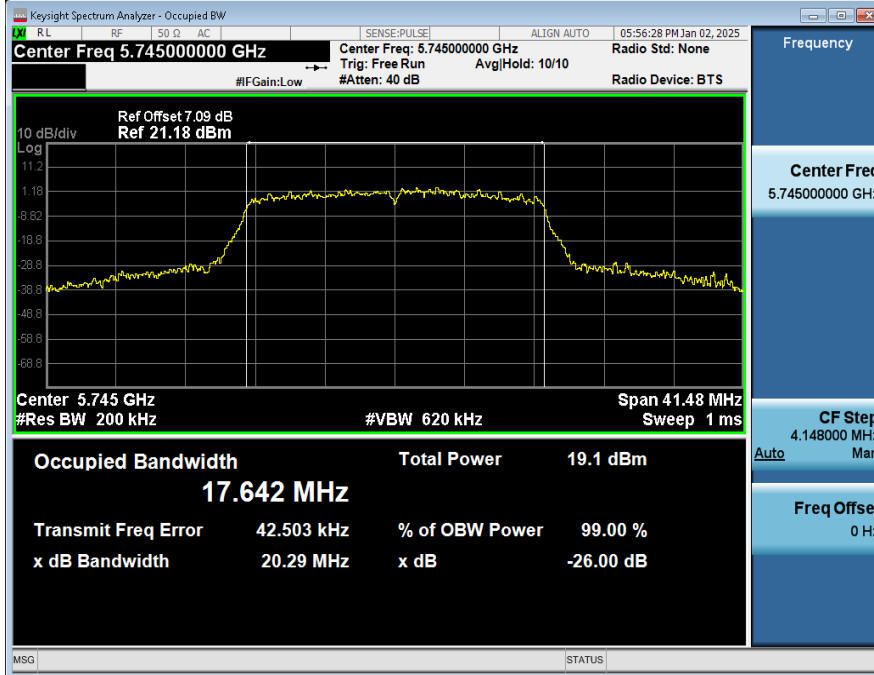
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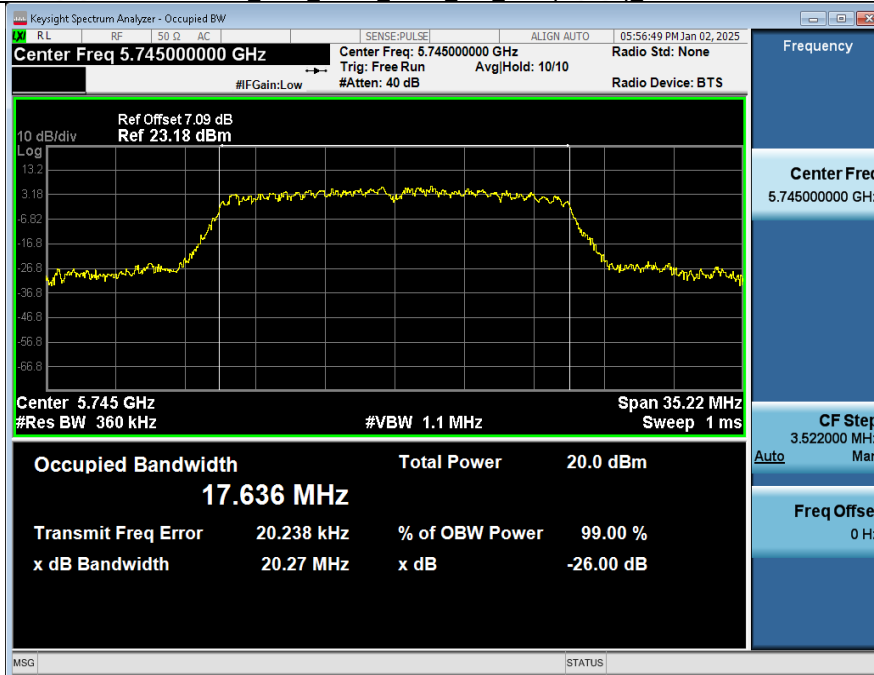
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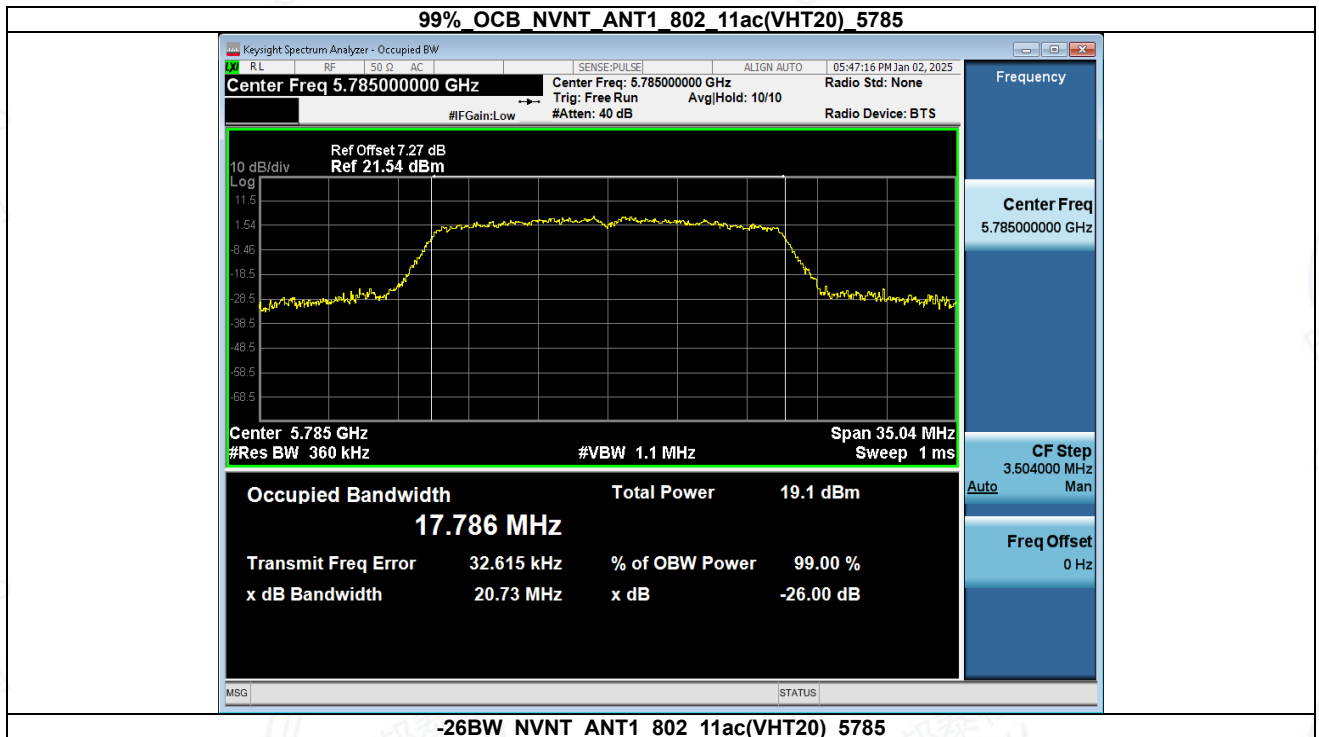
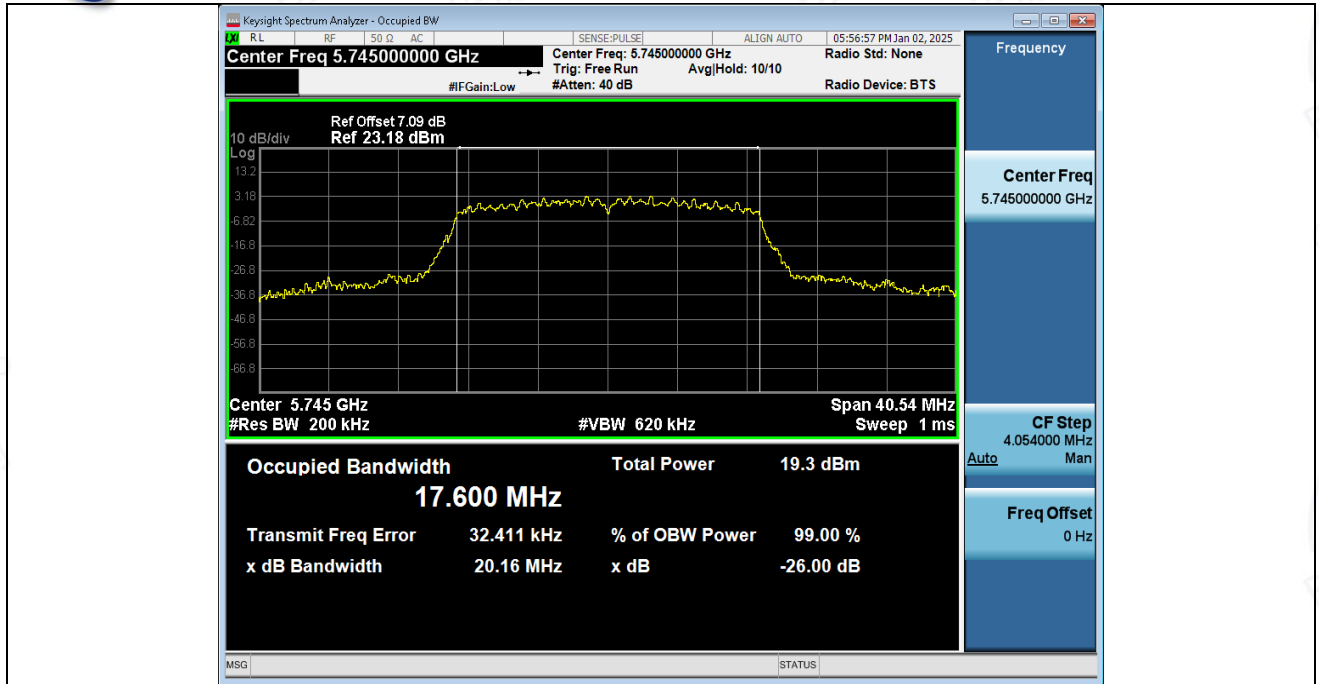


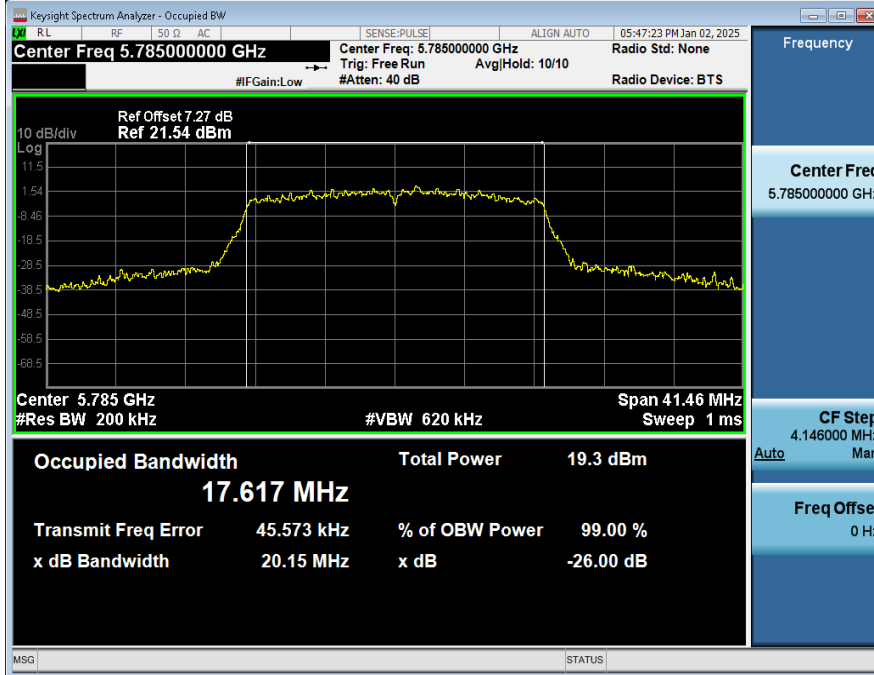
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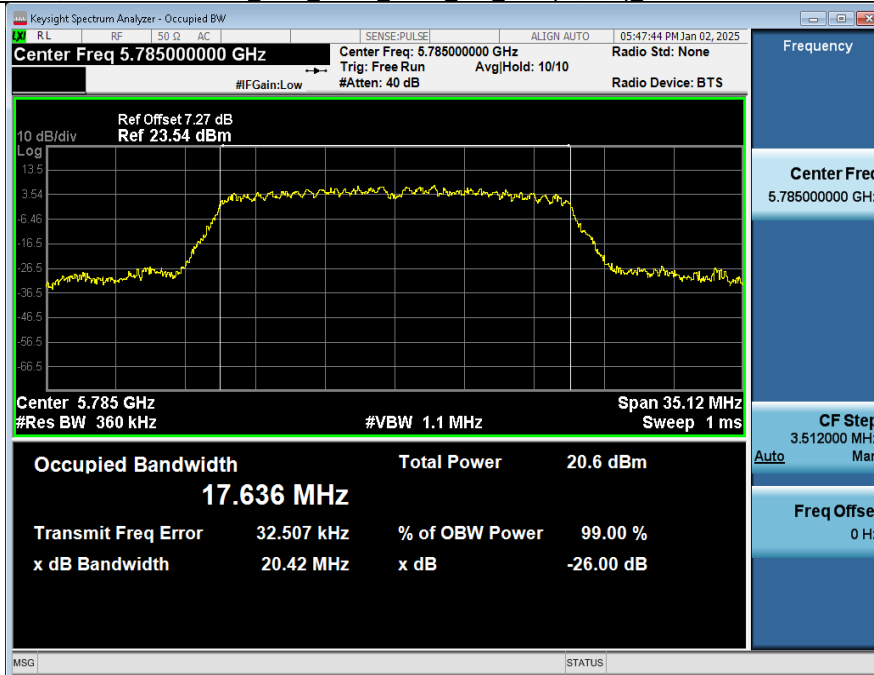
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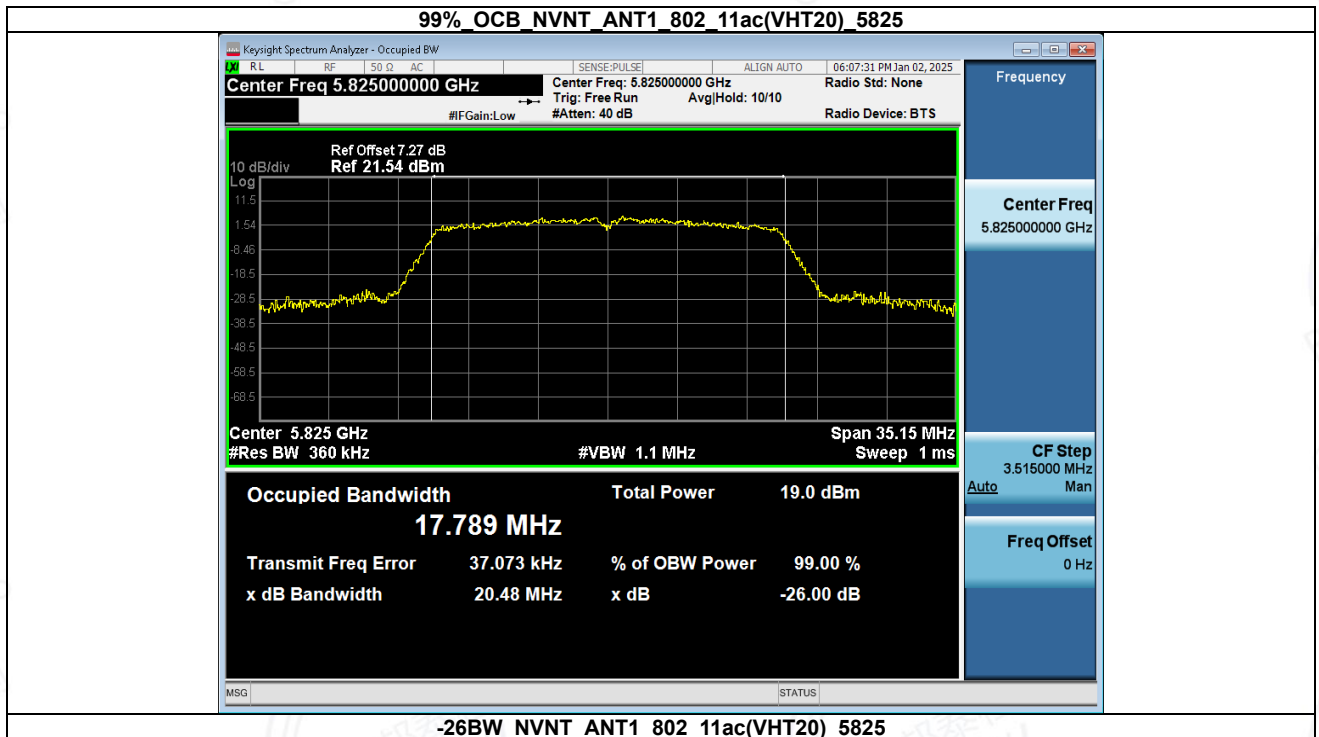
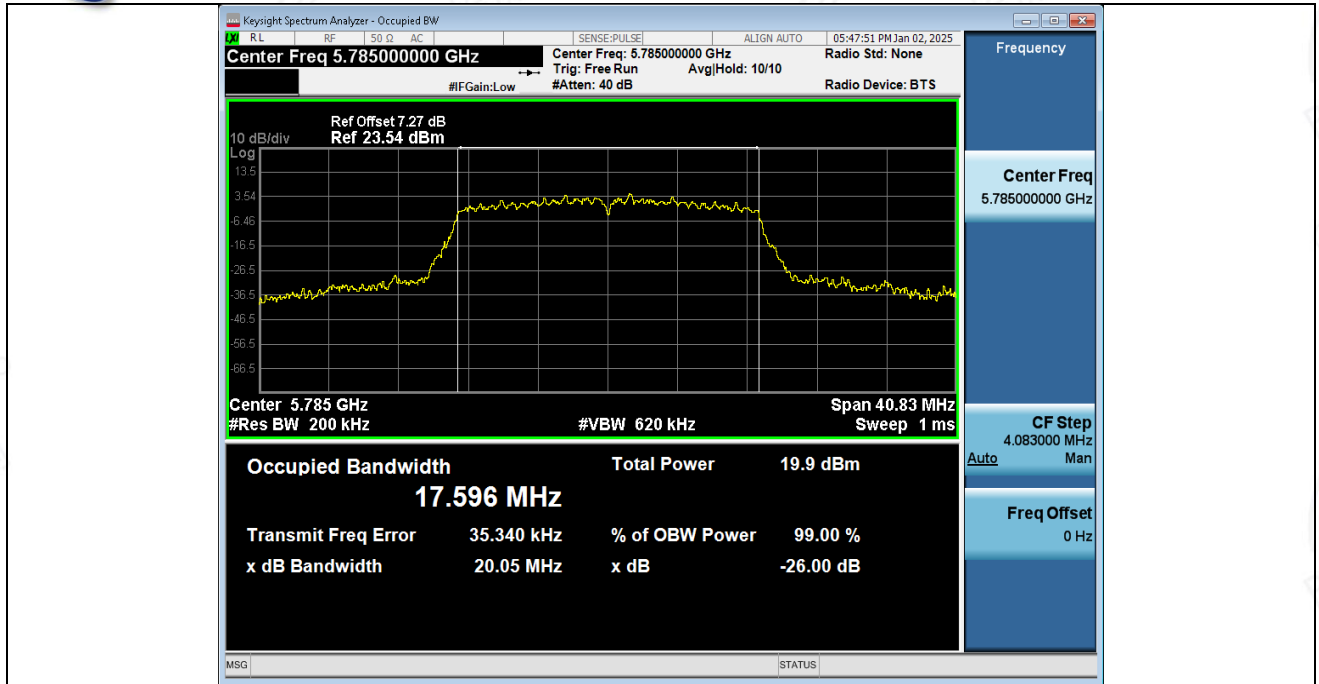


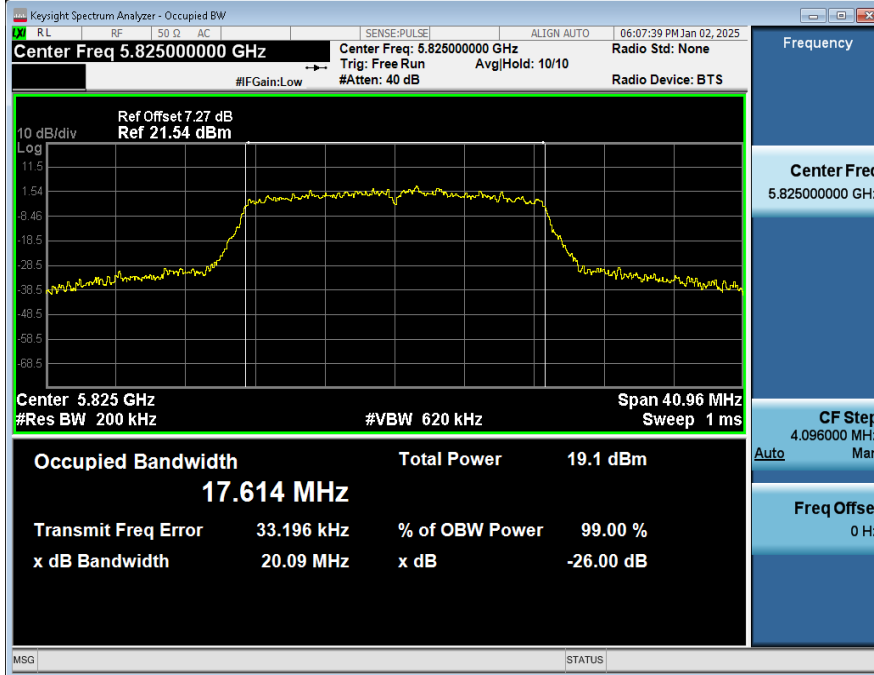
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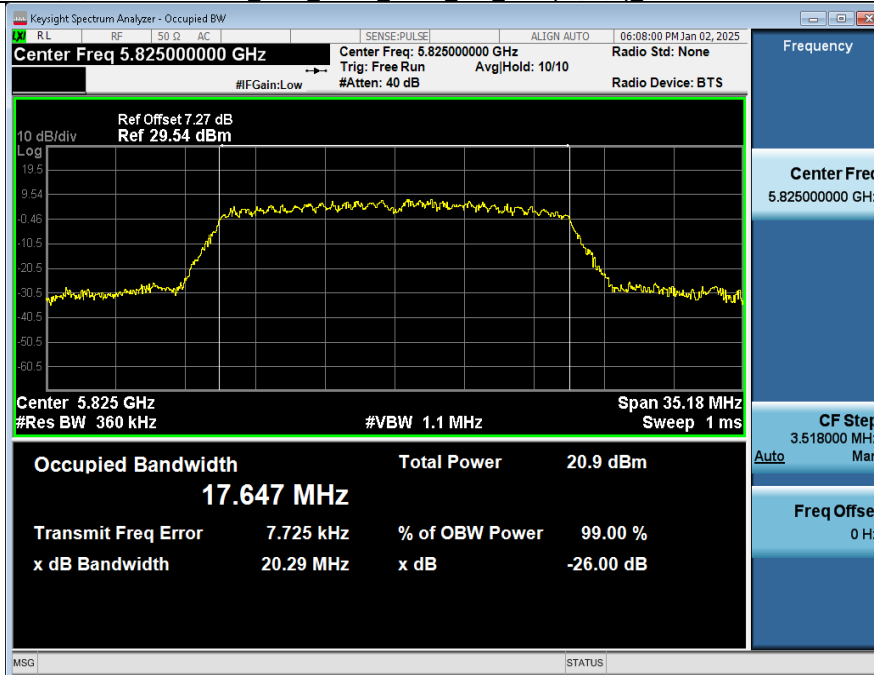
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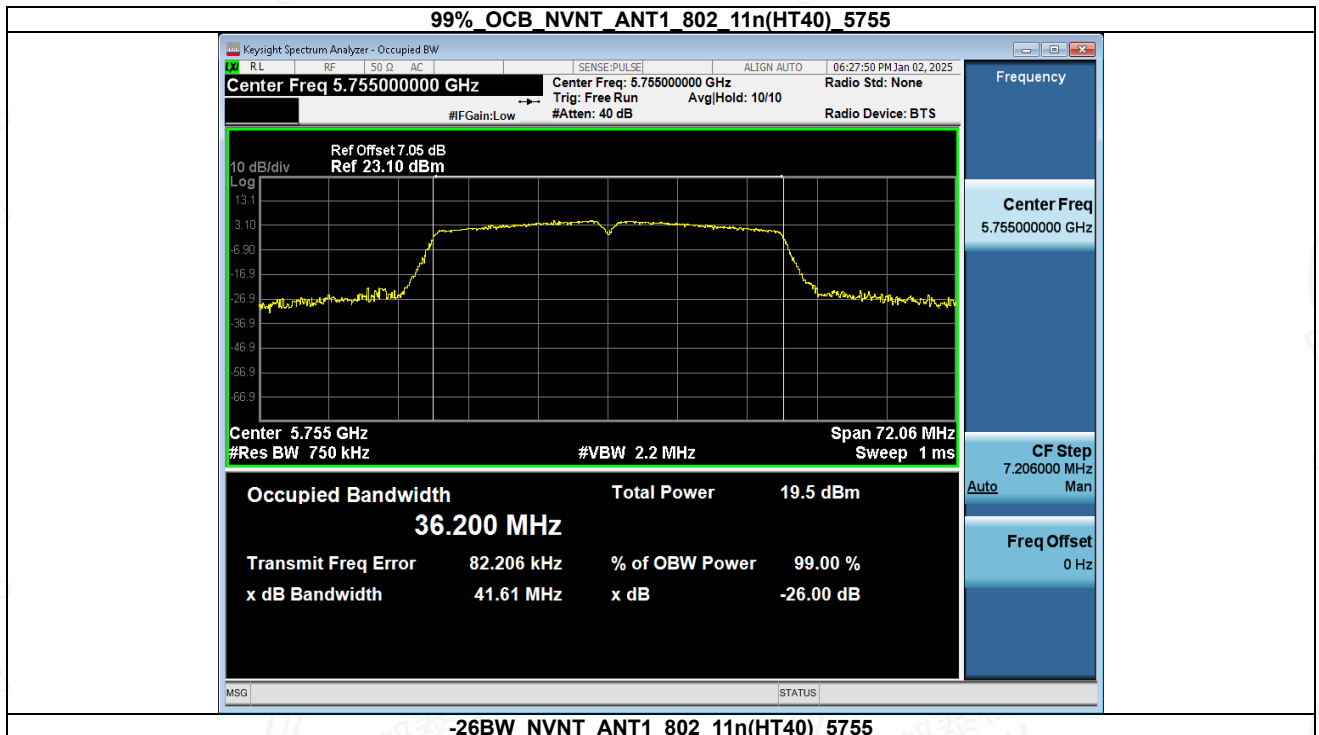


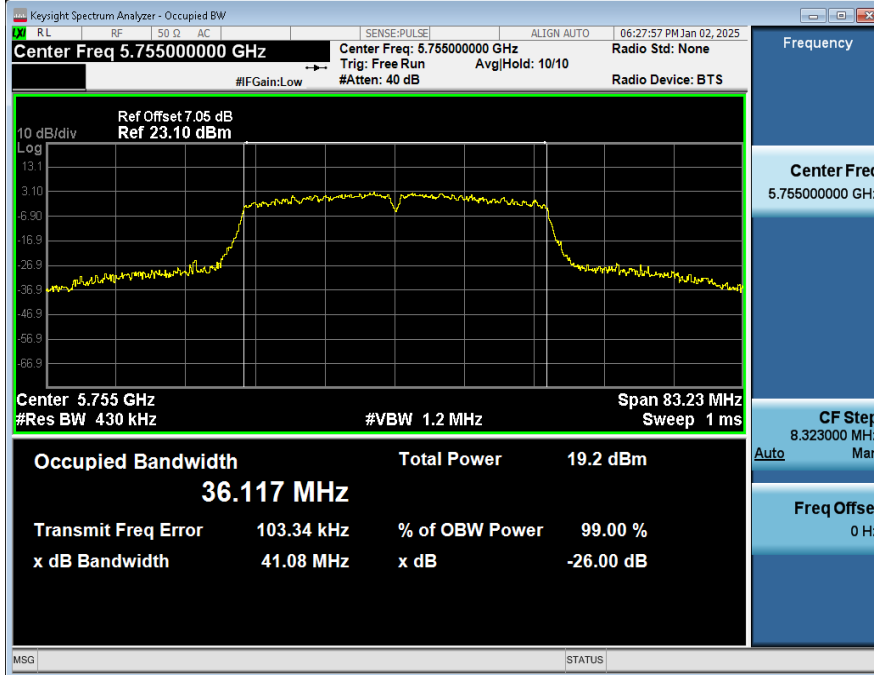
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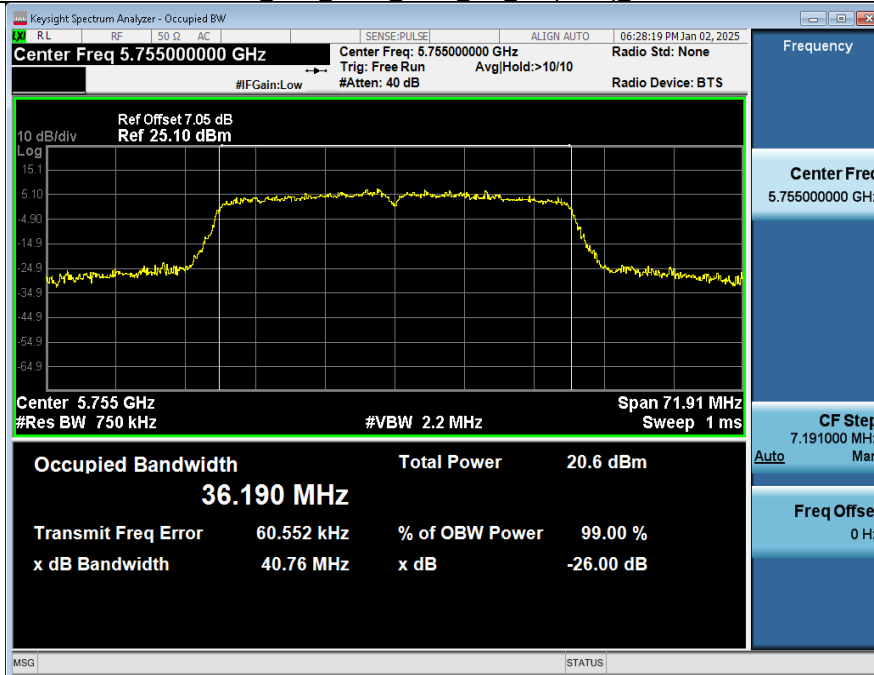
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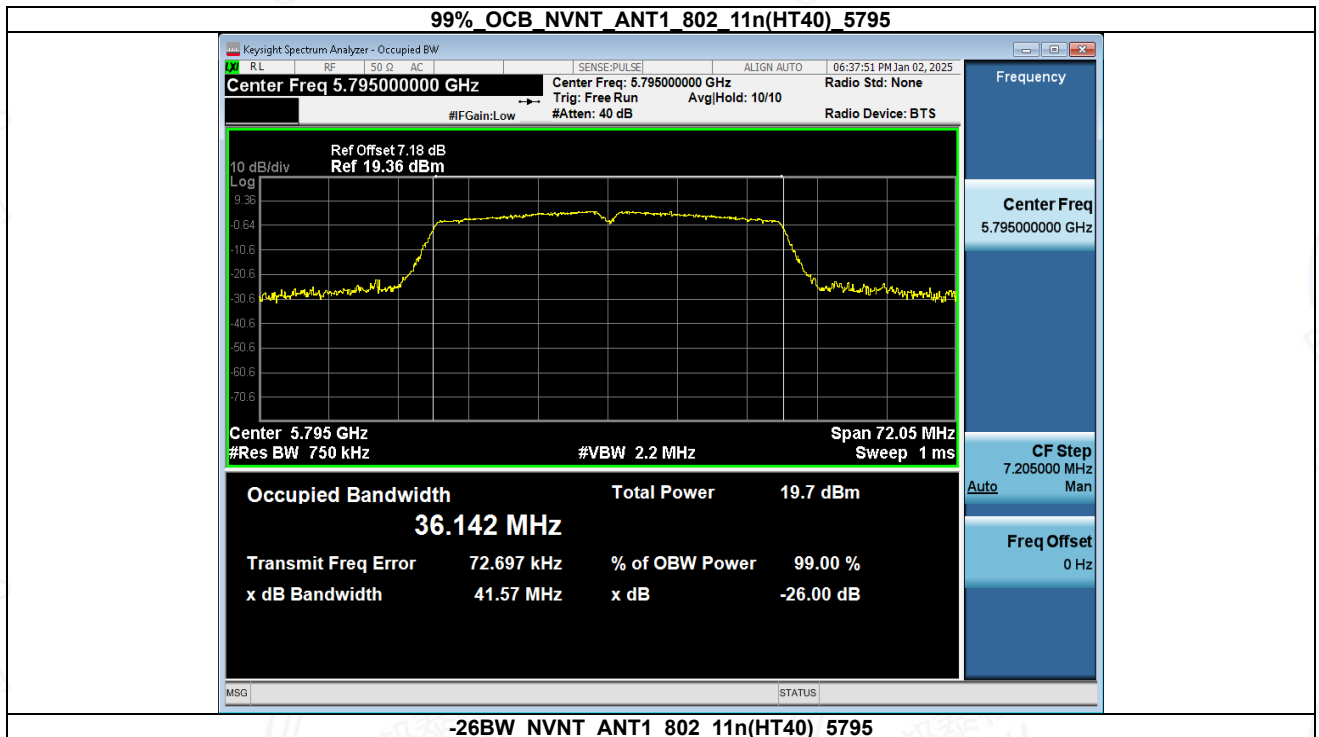
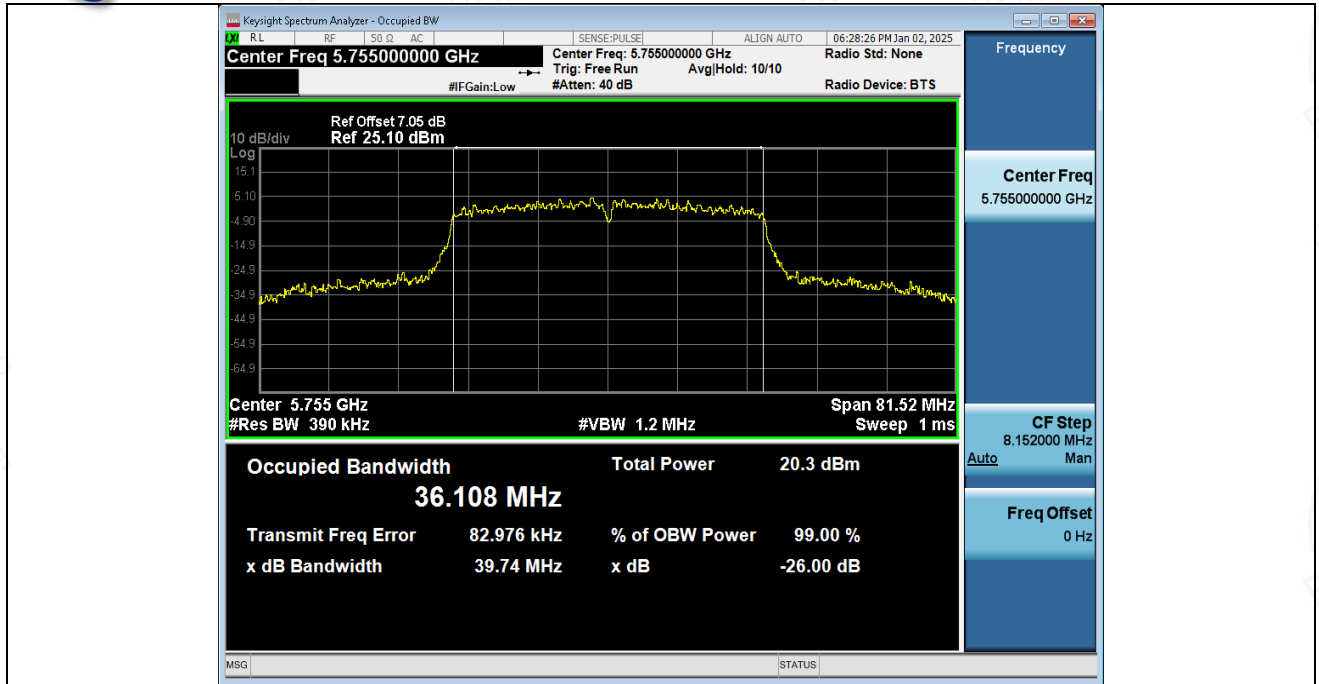


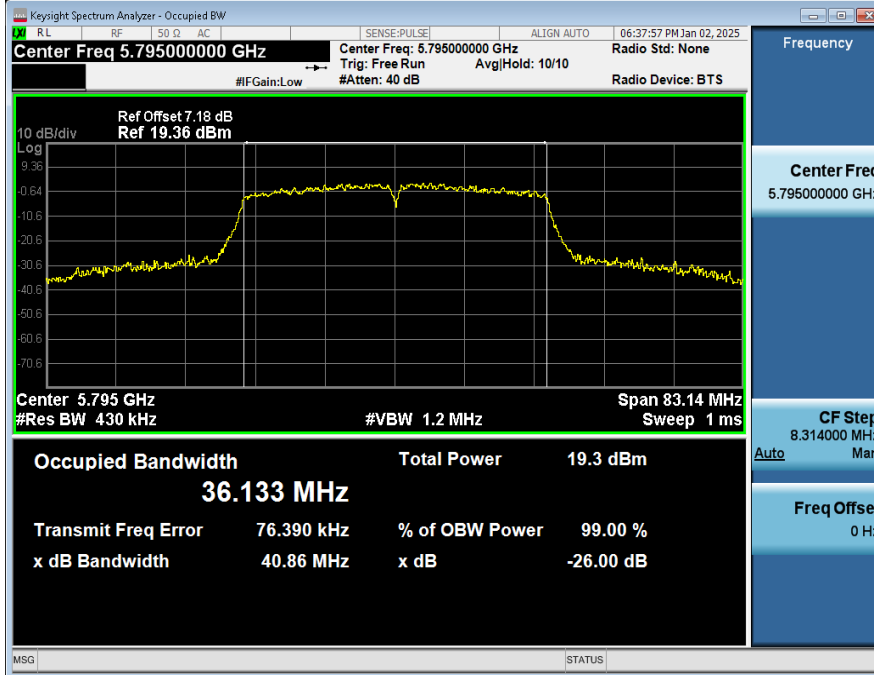
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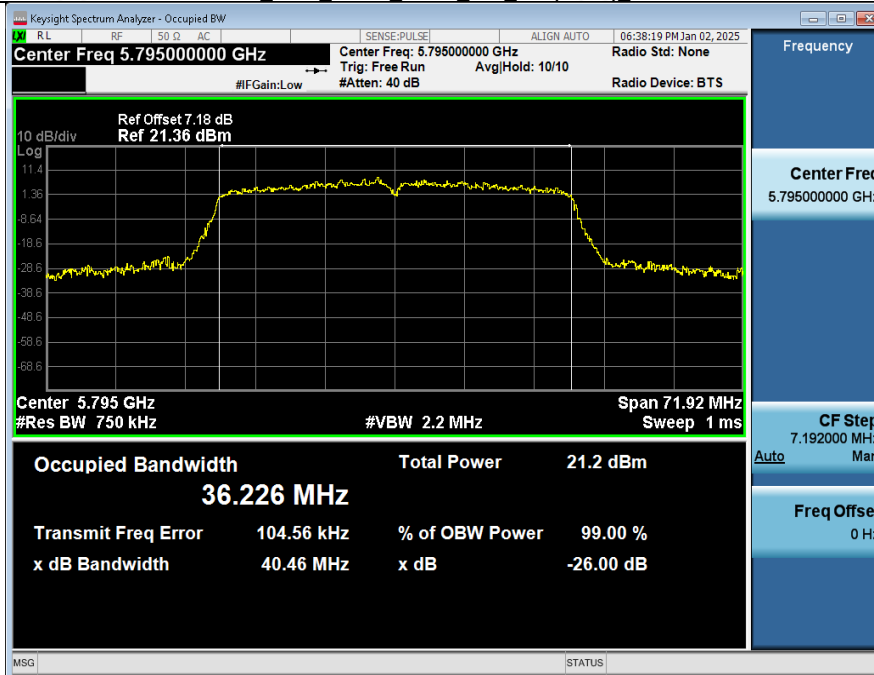
-26BW_NVNT_ANT2_802_11n(HT40)_5755





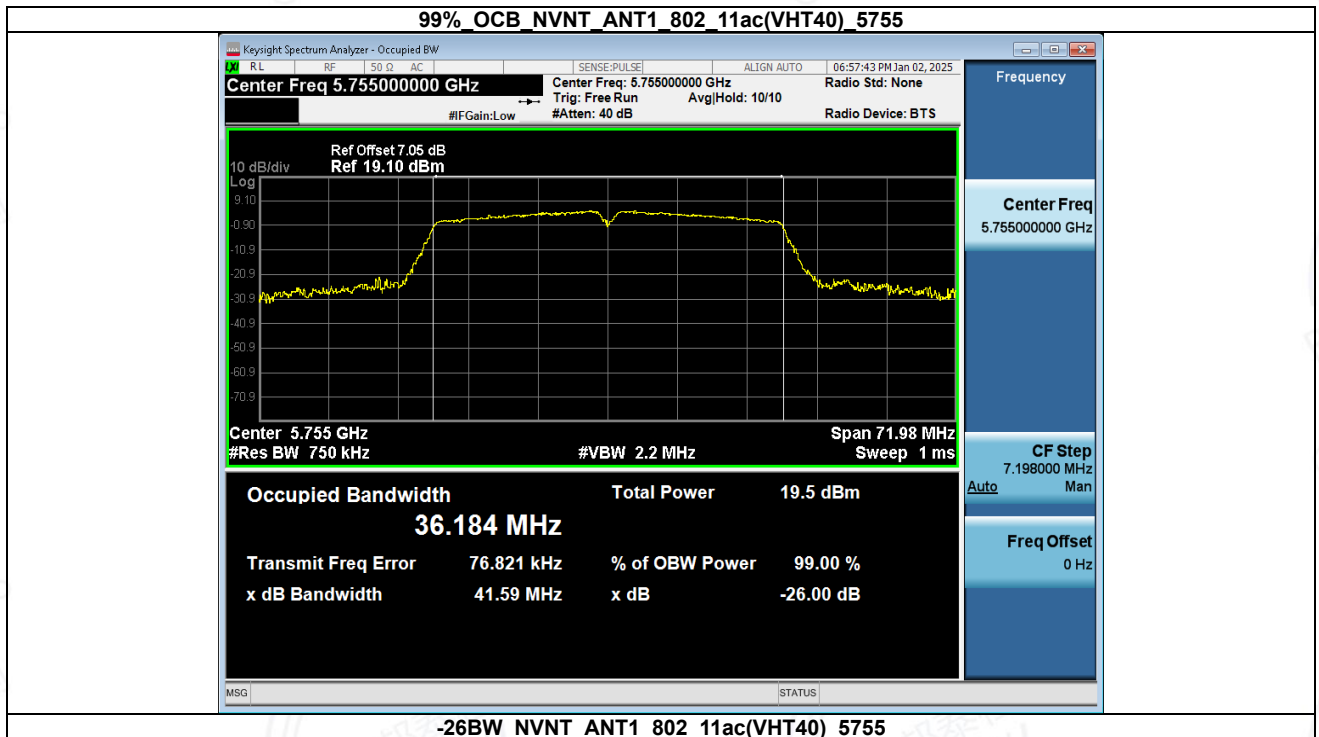
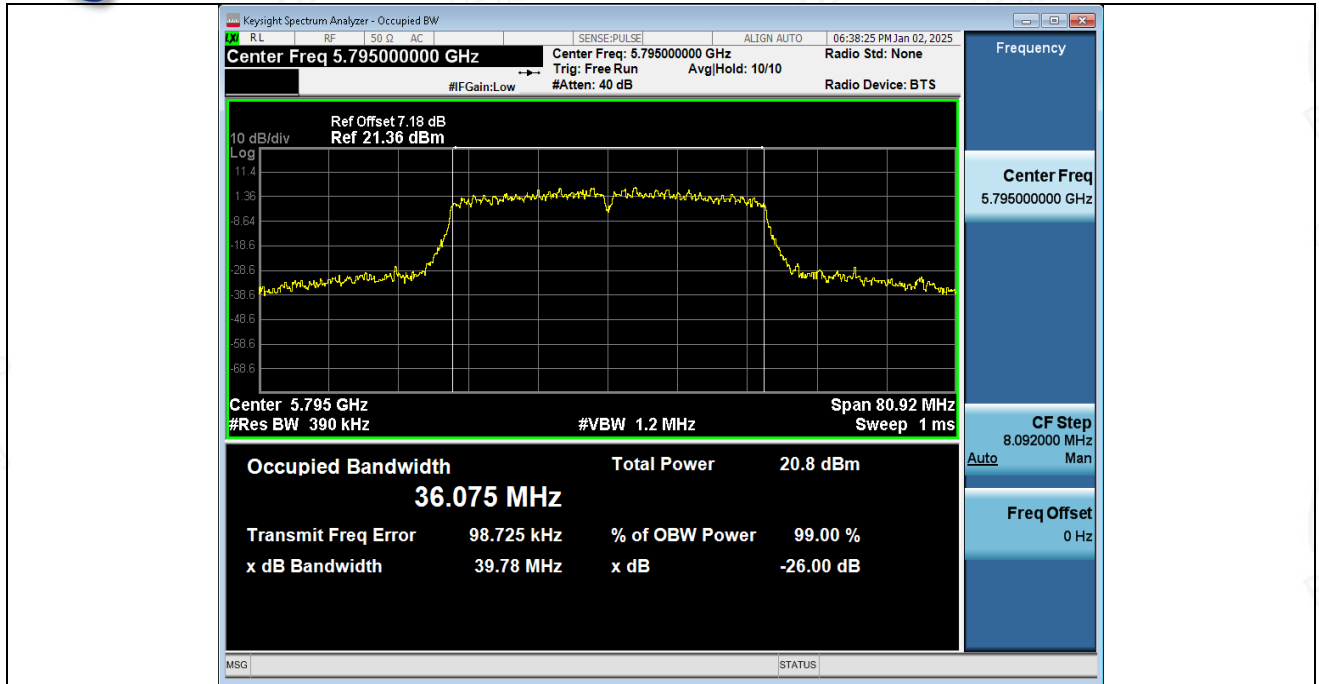


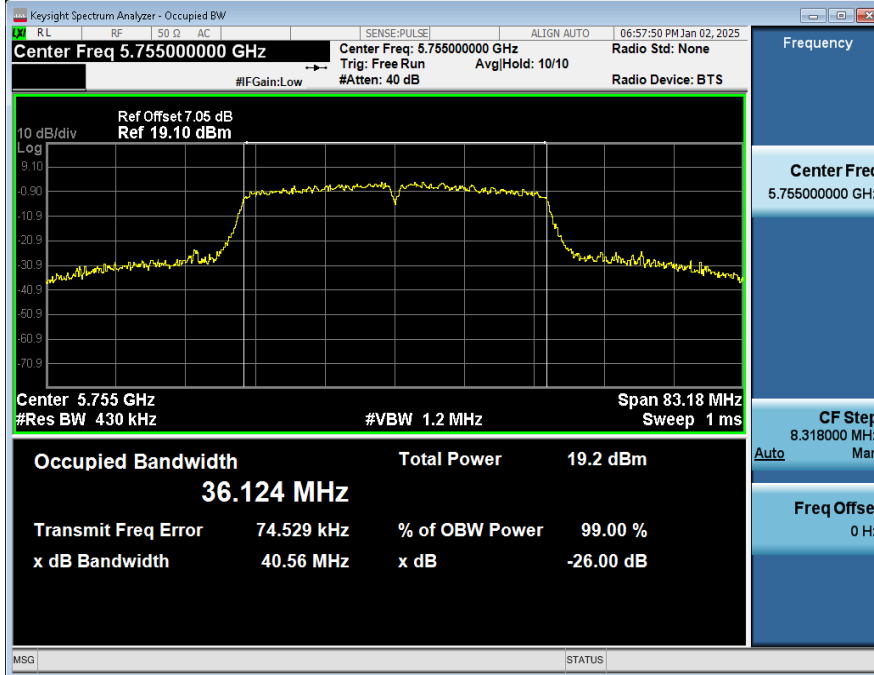
99%_OCB_NVNT_ANT2_802_11n(HT40)_5795



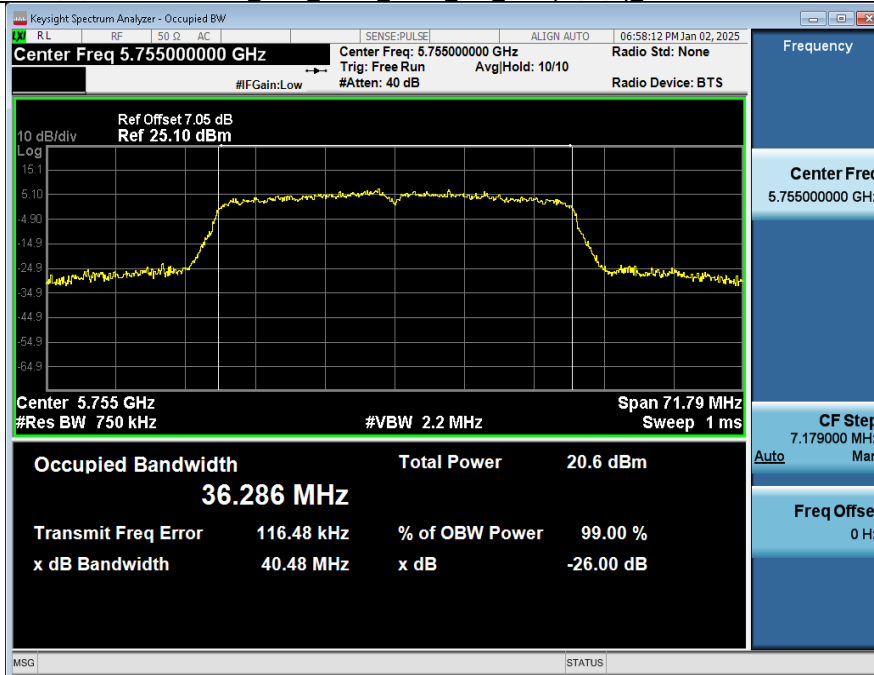
-26BW_NVNT_ANT2_802_11n(HT40)_5795





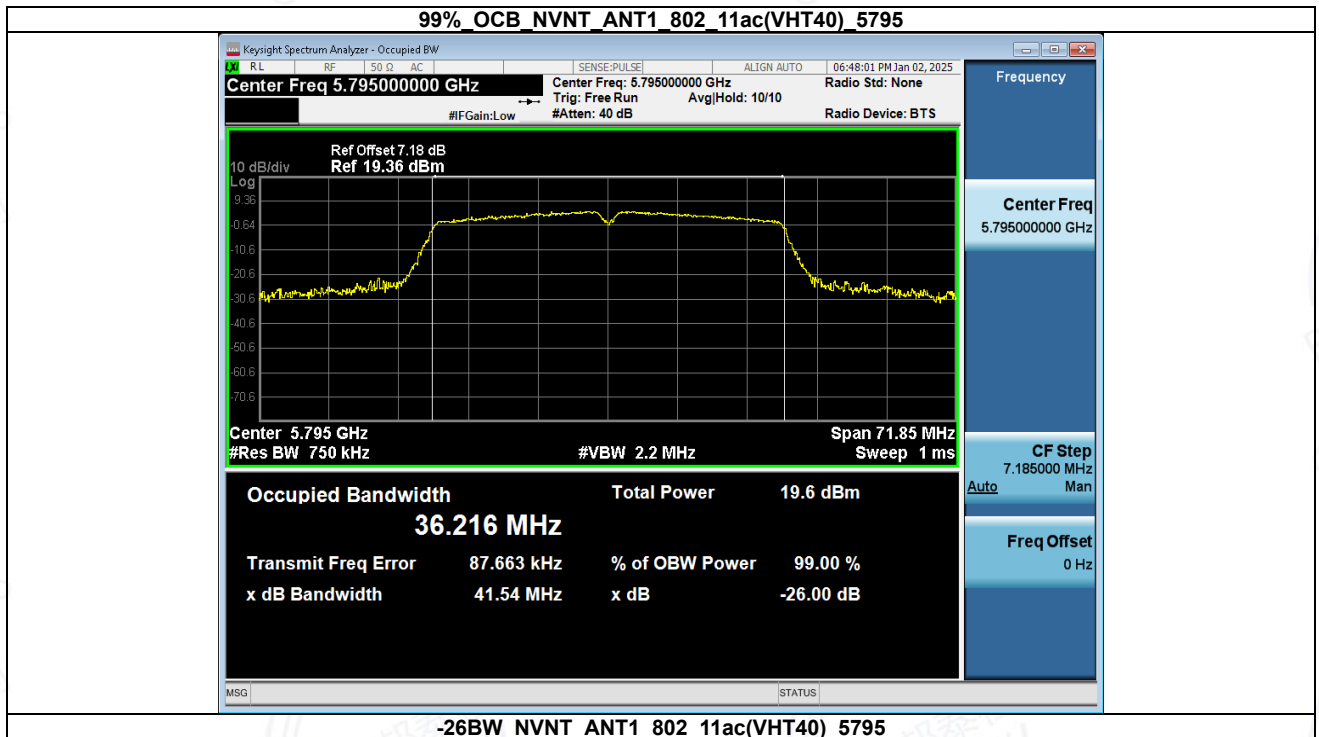
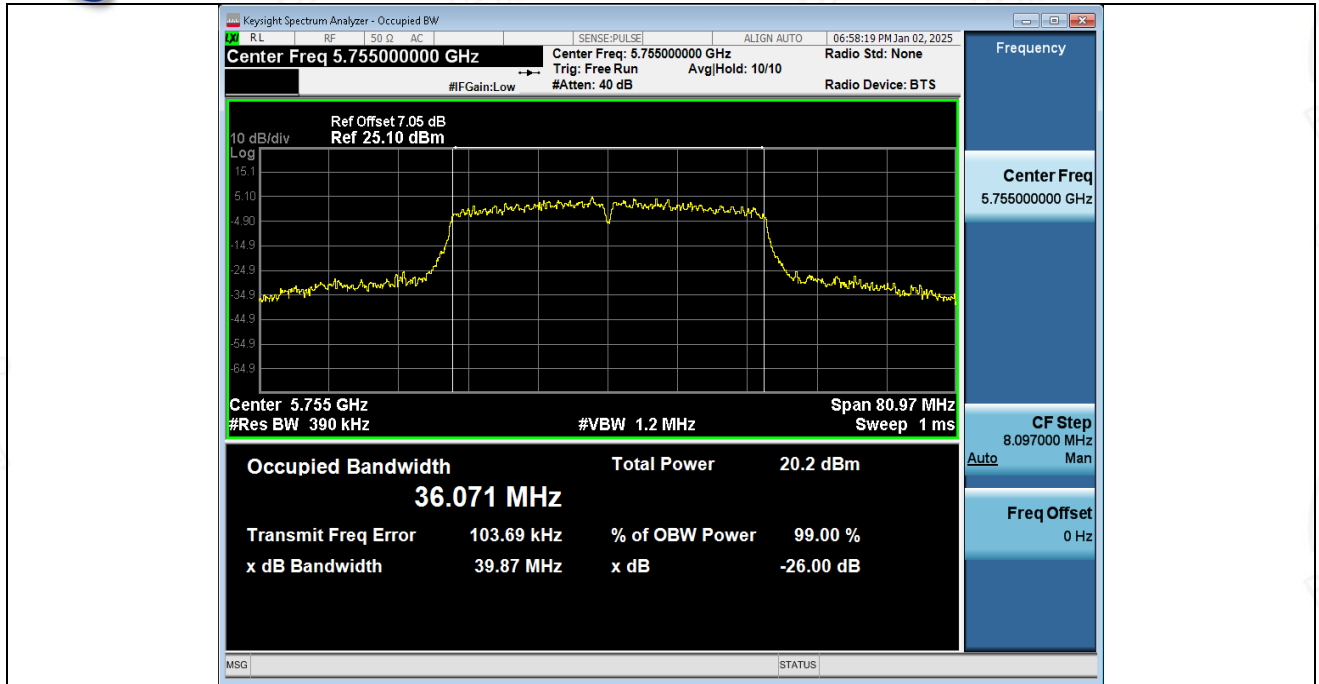


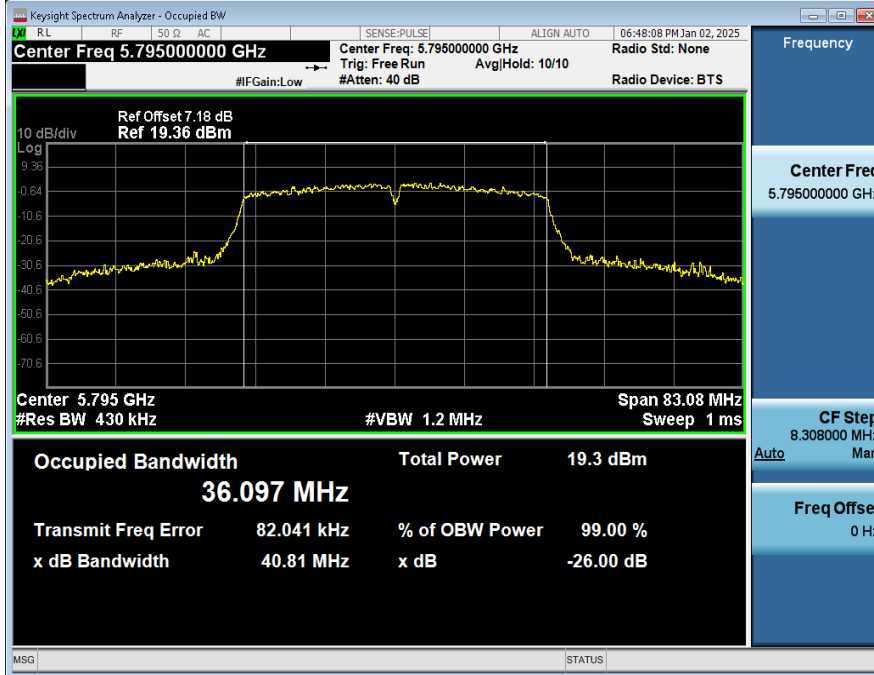
99%_OCB_NVNT_ANT2_802_11ac(VHT40)_5755



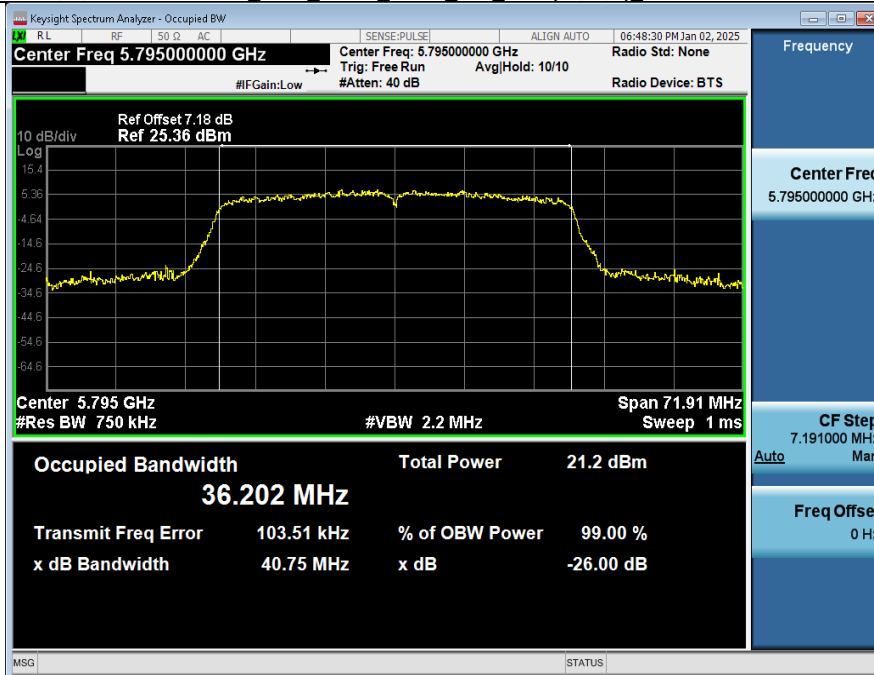
-26BW_NVNT_ANT2_802_11ac(VHT40)_5755





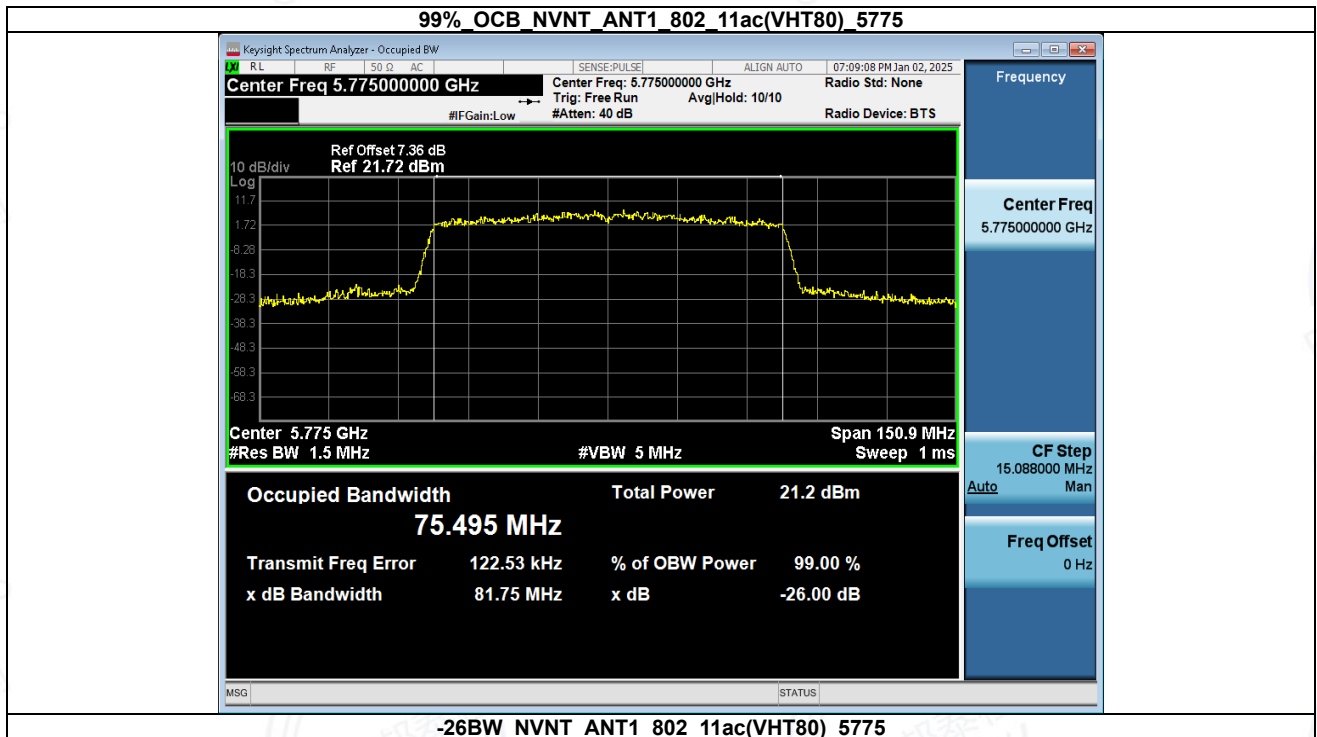
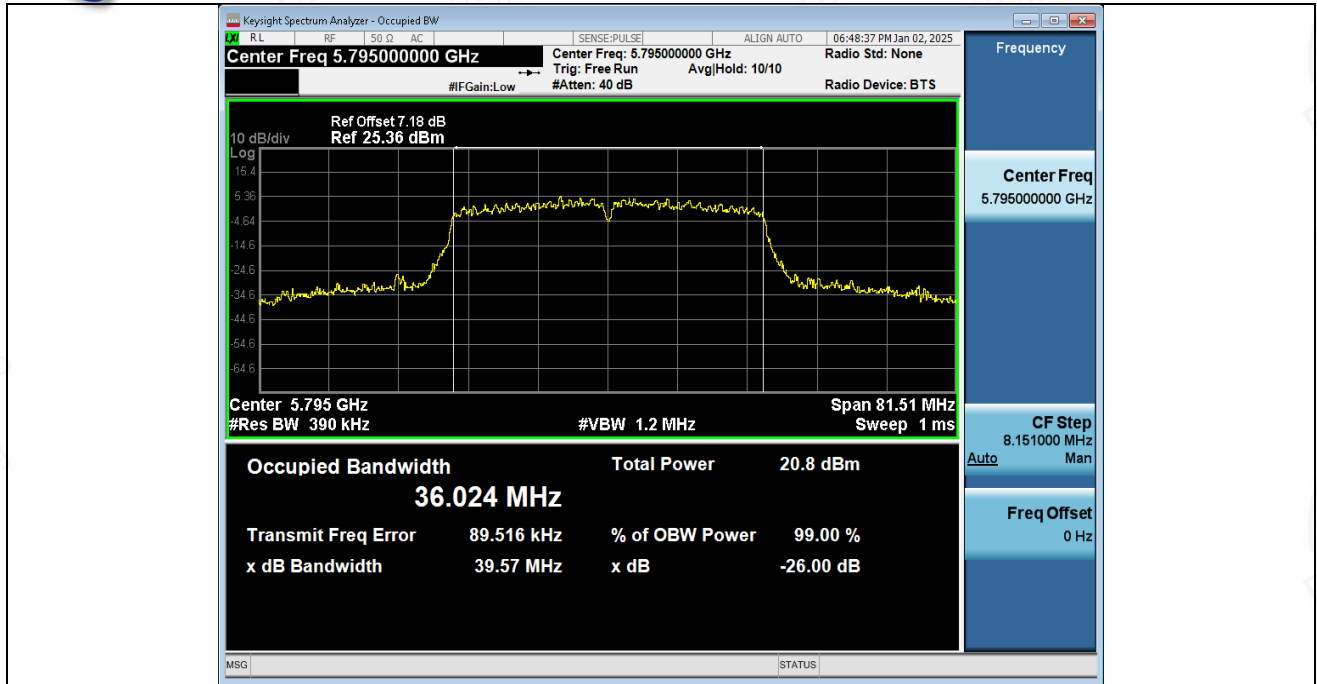


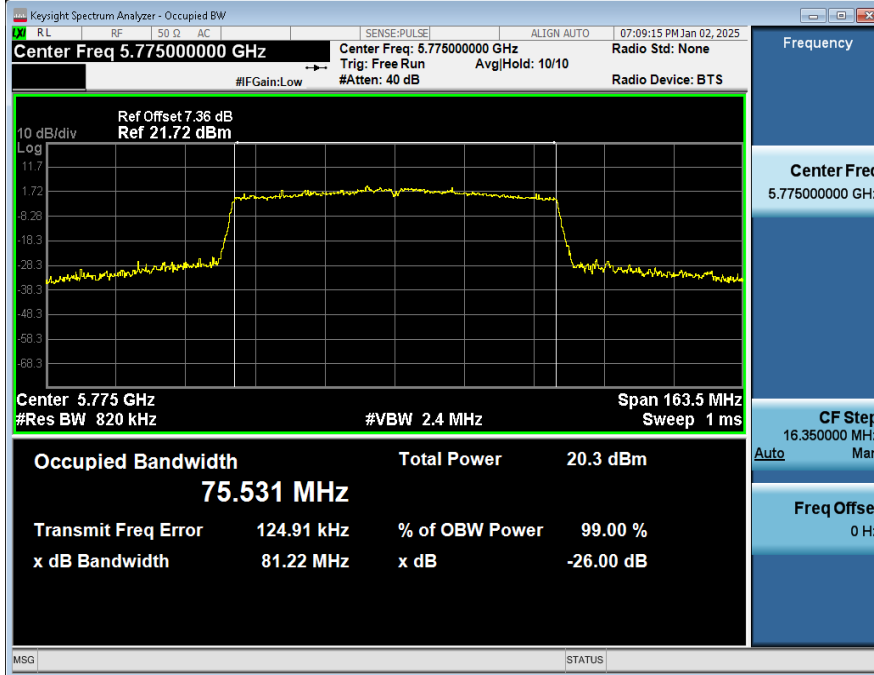
99%_OCB_NVNT_ANT2_802_11ac(VHT40)_5795



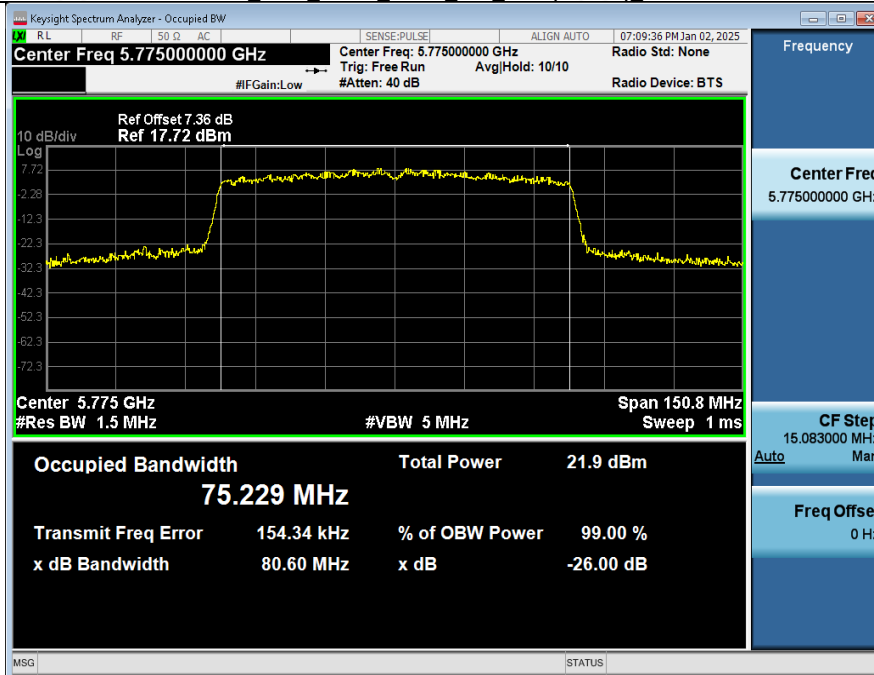
-26BW_NVNT_ANT2_802_11ac(VHT40)_5795





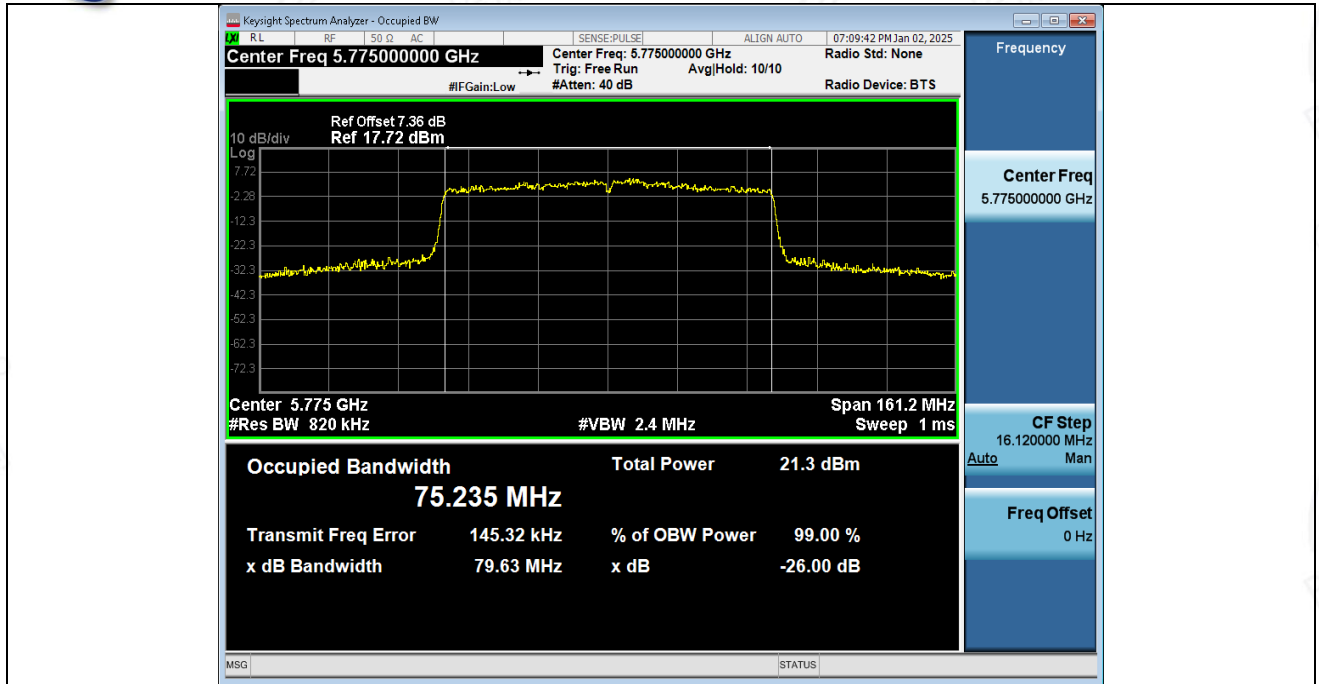


99%_OCB_NVNT_ANT2_802_11ac(VHT80)_5775



-26BW_NVNT_ANT2_802_11ac(VHT80)_5775

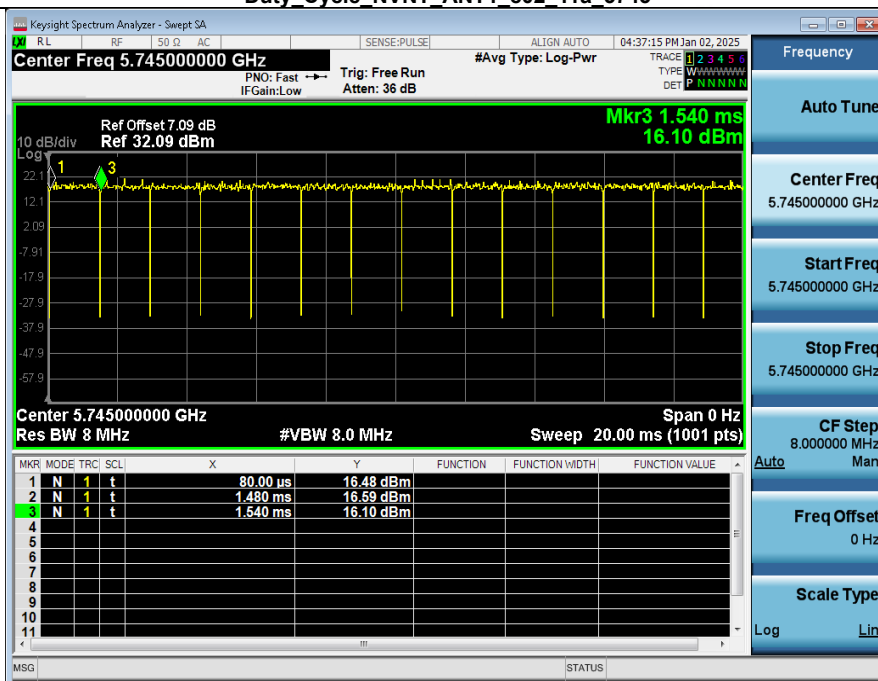




3. Duty Cycle

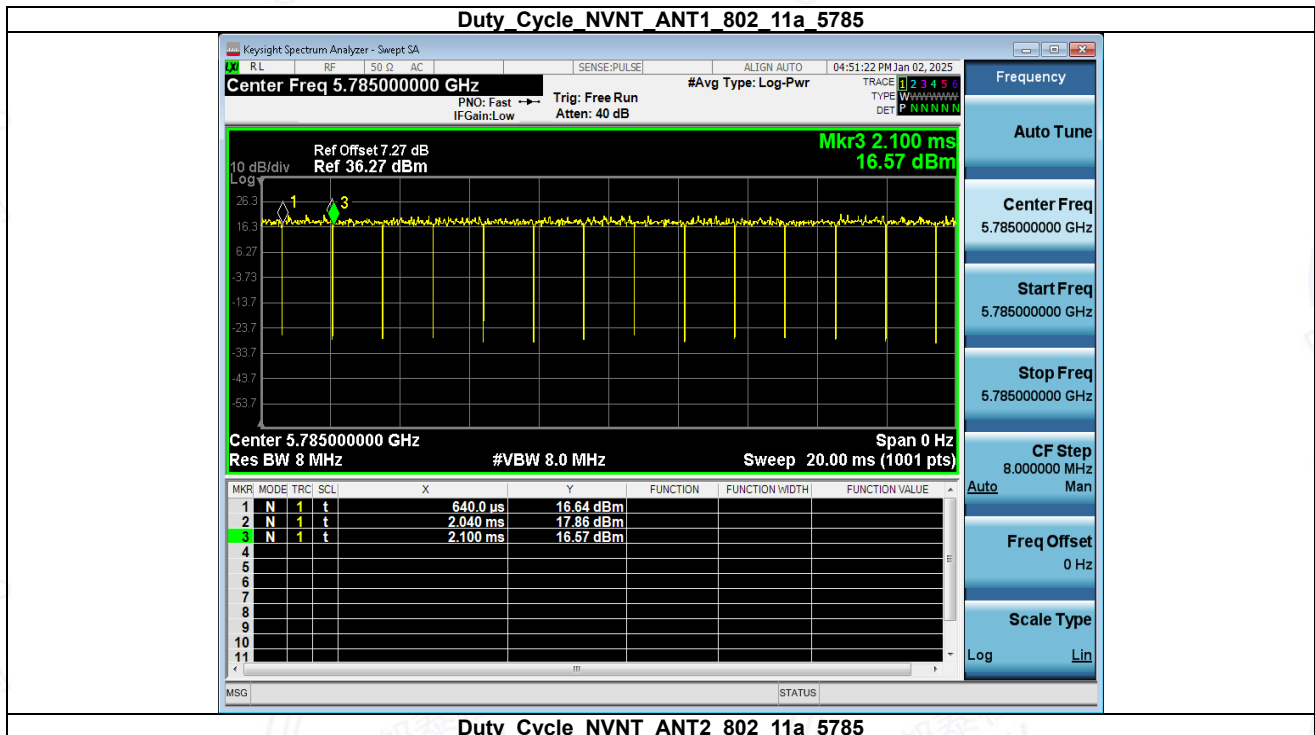
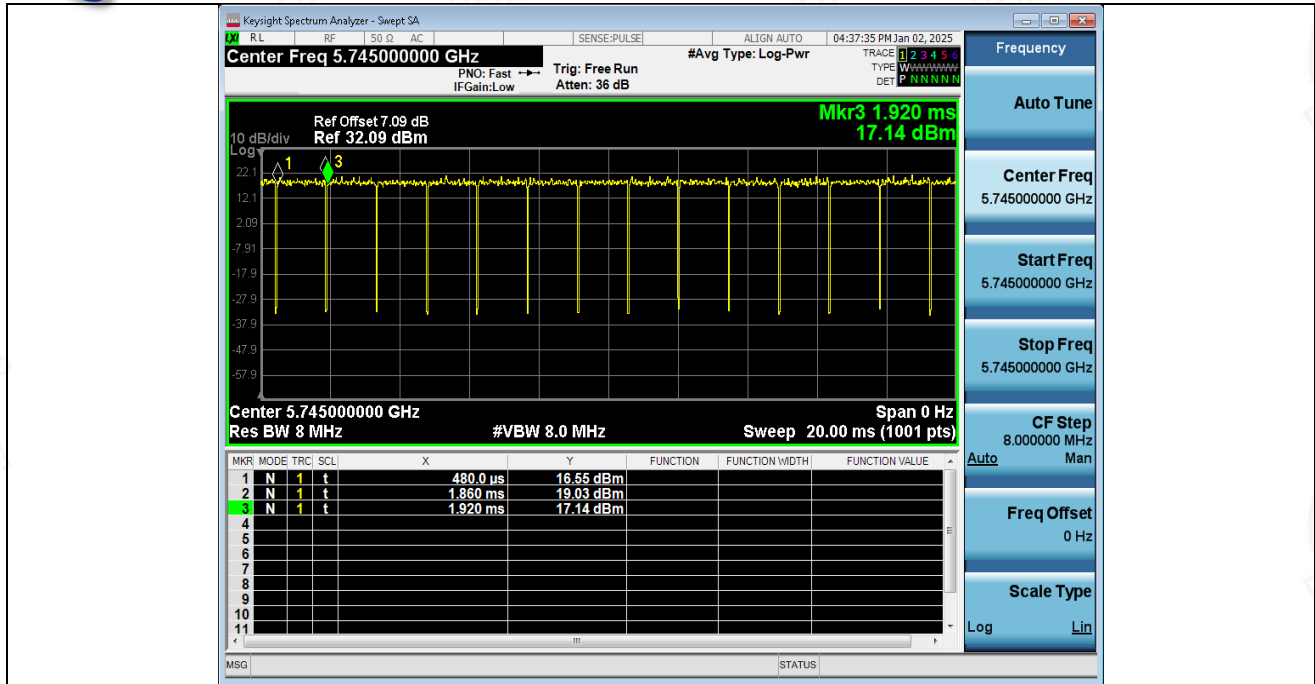
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5745.00	95.89	0.18
NVNT	ANT2	802.11a	5745.00	95.83	0.18
NVNT	ANT1	802.11a	5785.00	95.89	0.18
NVNT	ANT2	802.11a	5785.00	95.83	0.18
NVNT	ANT1	802.11a	5825.00	95.83	0.18
NVNT	ANT2	802.11a	5825.00	95.83	0.18
NVNT	ANT1	802.11n(HT20)	5745.00	95.59	0.20
NVNT	ANT2	802.11n(HT20)	5745.00	95.59	0.20
NVNT	ANT1	802.11n(HT20)	5785.00	95.59	0.20
NVNT	ANT2	802.11n(HT20)	5785.00	95.59	0.20
NVNT	ANT1	802.11n(HT20)	5825.00	95.59	0.20
NVNT	ANT2	802.11n(HT20)	5825.00	97.01	0.13
NVNT	ANT1	802.11ac(VHT20)	5745.00	95.59	0.20
NVNT	ANT2	802.11ac(VHT20)	5745.00	95.59	0.20
NVNT	ANT1	802.11ac(VHT20)	5785.00	95.59	0.20
NVNT	ANT2	802.11ac(VHT20)	5785.00	97.01	0.13
NVNT	ANT1	802.11ac(VHT20)	5825.00	95.59	0.20
NVNT	ANT2	802.11ac(VHT20)	5825.00	95.59	0.20
NVNT	ANT1	802.11n(HT40)	5755.00	91.43	0.39
NVNT	ANT2	802.11n(HT40)	5755.00	91.43	0.39
NVNT	ANT1	802.11n(HT40)	5795.00	91.43	0.39
NVNT	ANT2	802.11n(HT40)	5795.00	91.43	0.39
NVNT	ANT1	802.11ac(VHT40)	5755.00	94.29	0.26
NVNT	ANT2	802.11ac(VHT40)	5755.00	91.43	0.39
NVNT	ANT1	802.11ac(VHT40)	5795.00	91.43	0.39
NVNT	ANT2	802.11ac(VHT40)	5795.00	91.43	0.39
NVNT	ANT1	802.11ac(VHT80)	5775.00	84.21	0.75
NVNT	ANT2	802.11ac(VHT80)	5775.00	88.89	0.51

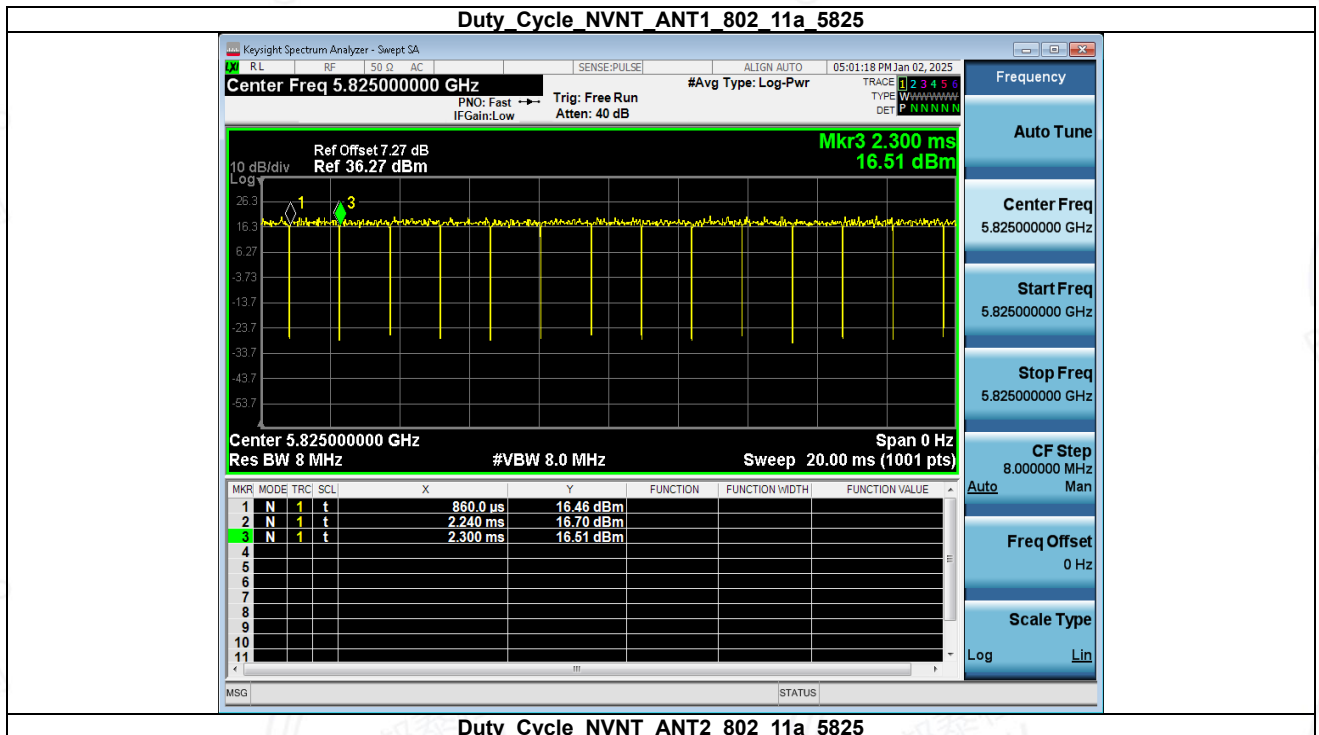
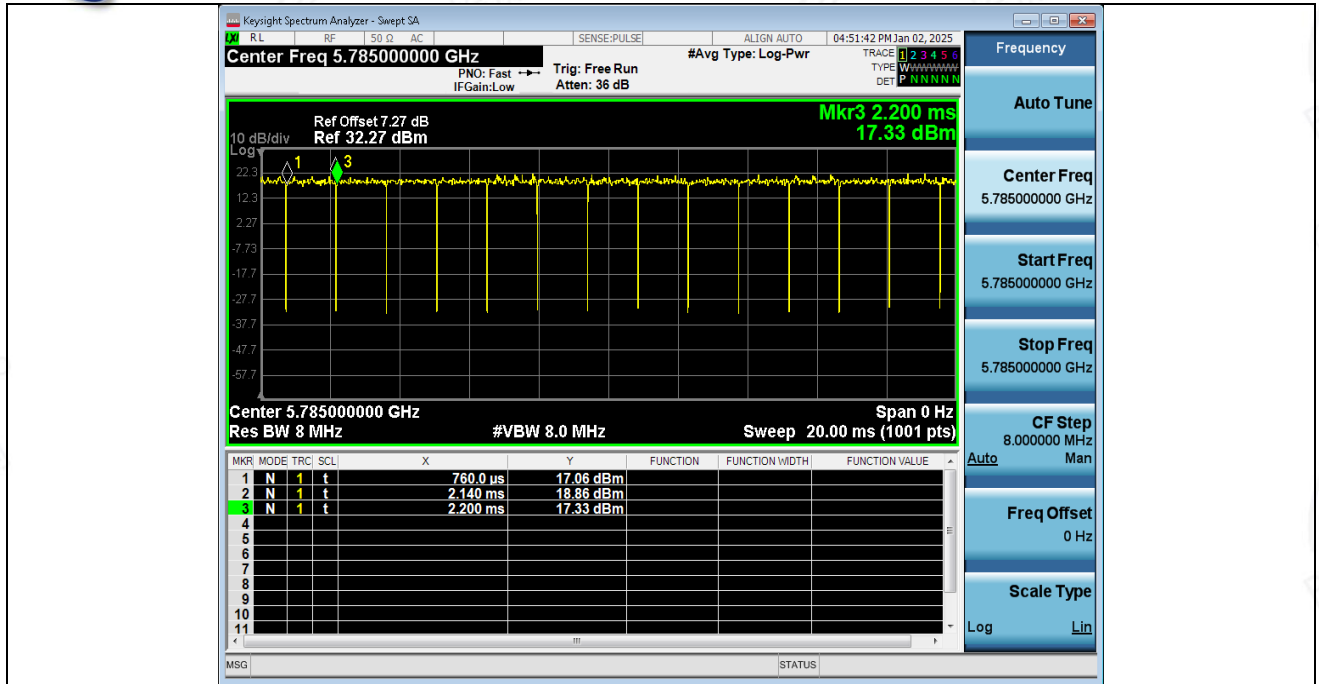
Duty Cycle NVNT ANT1 802_11a 5745

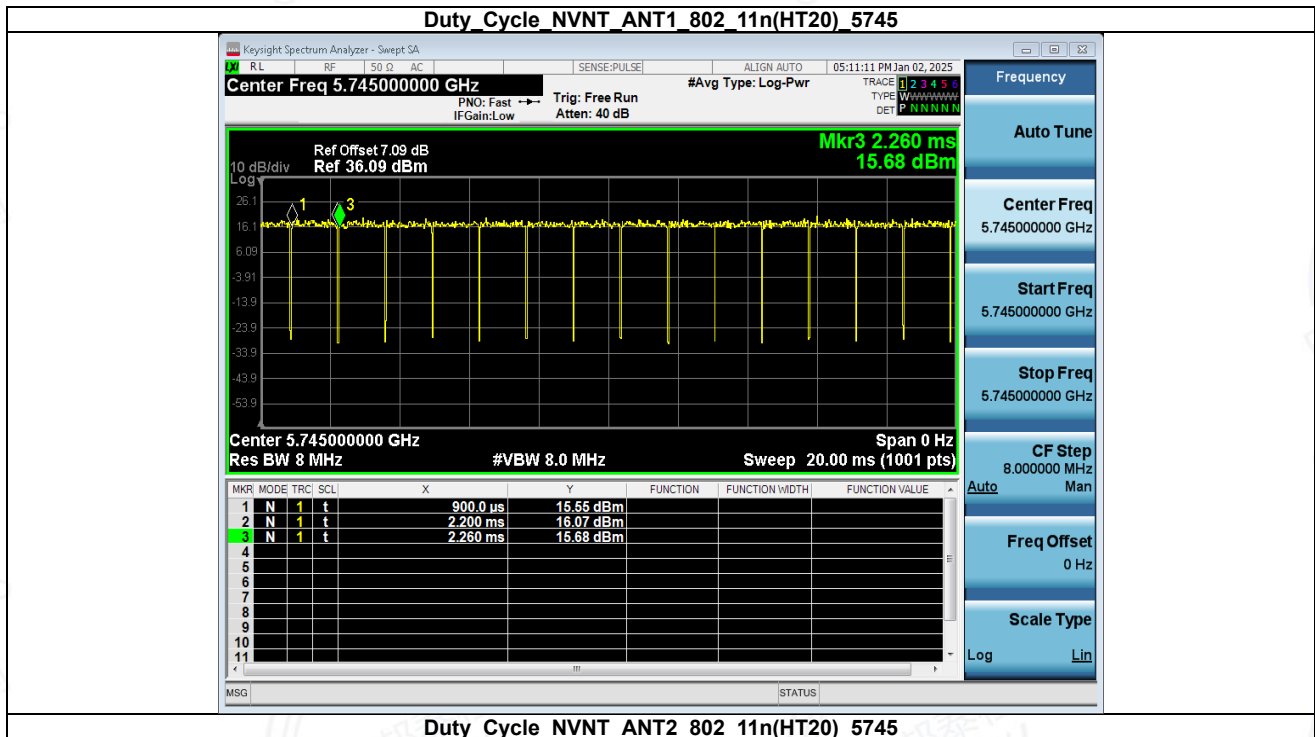
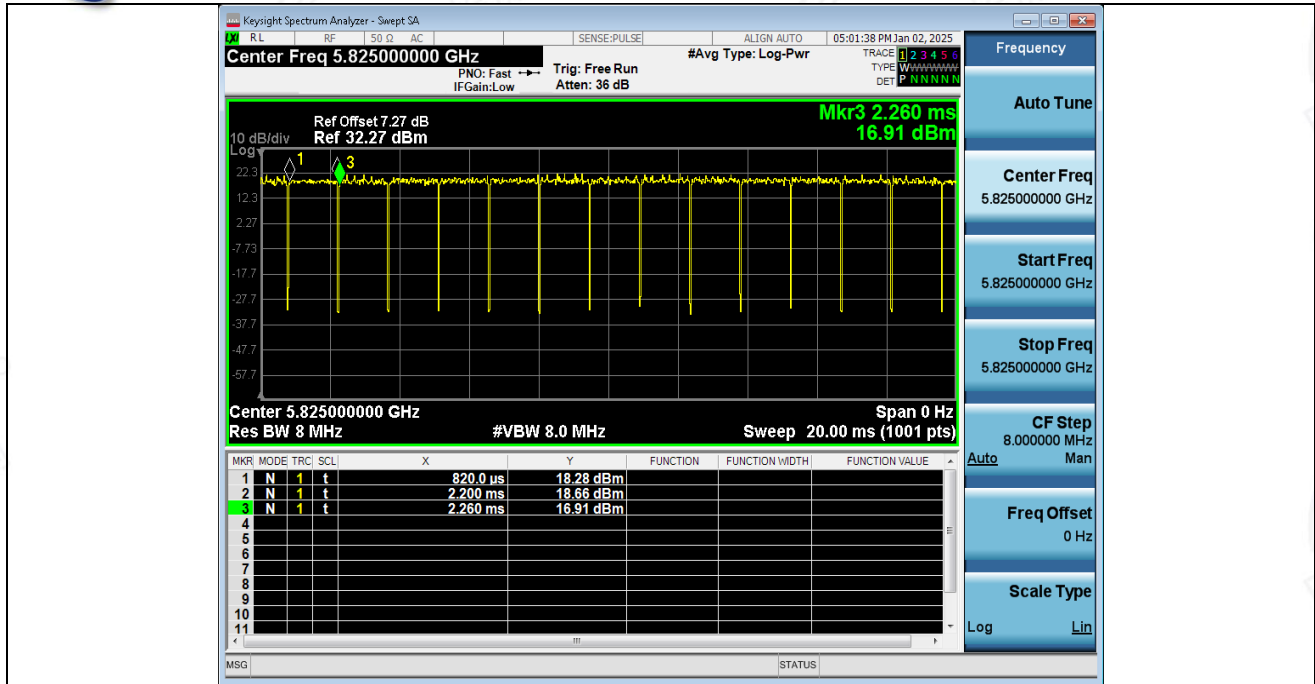


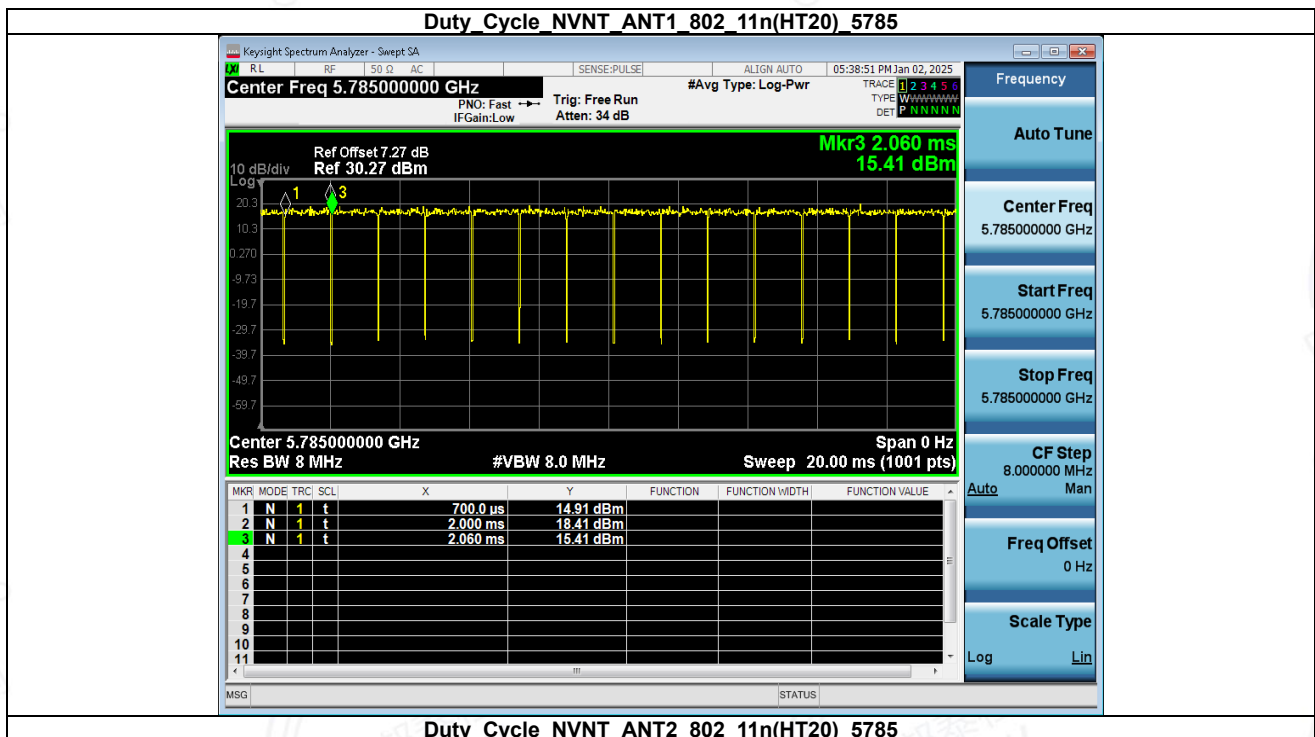
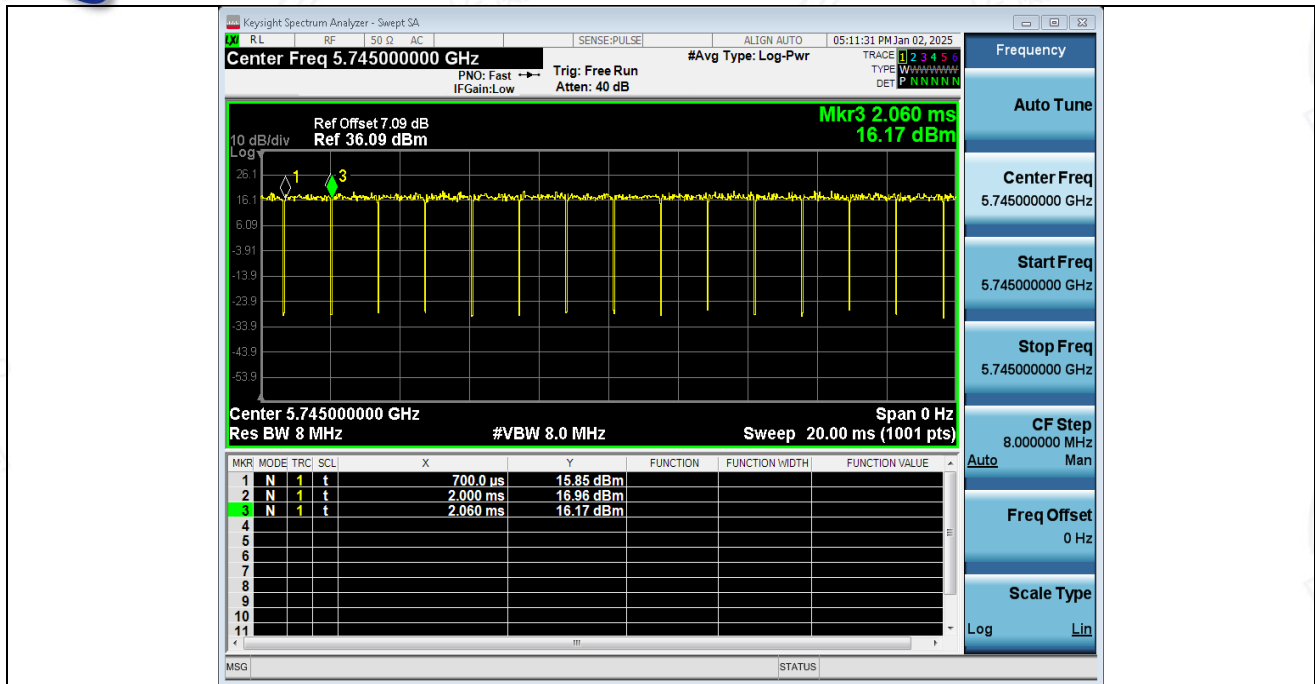
Duty Cycle NVNT ANT2 802_11a 5745

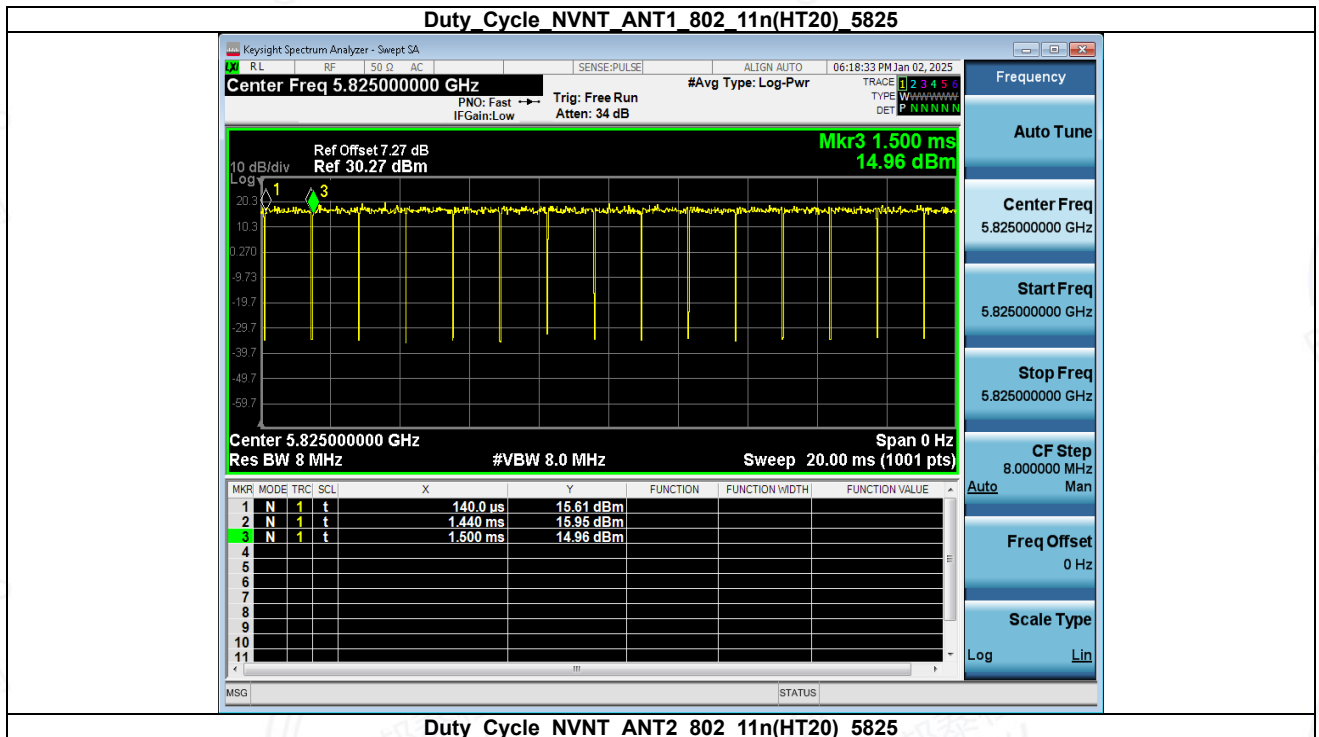
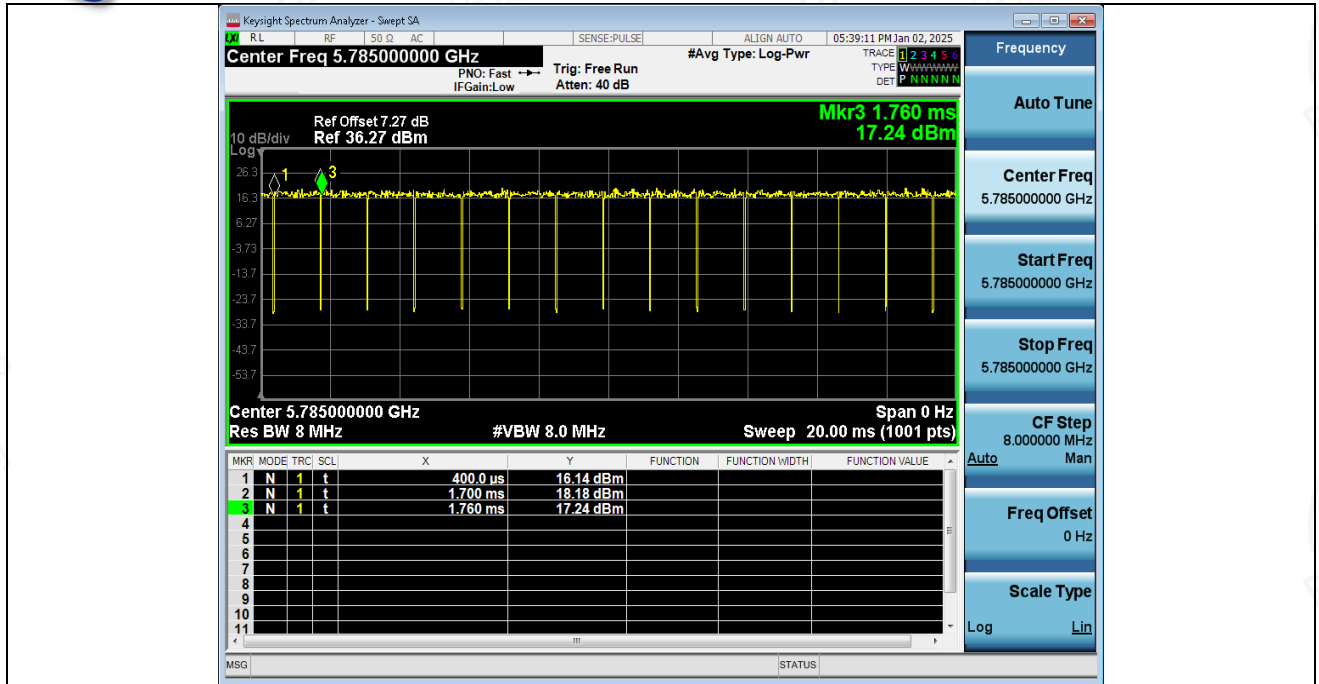


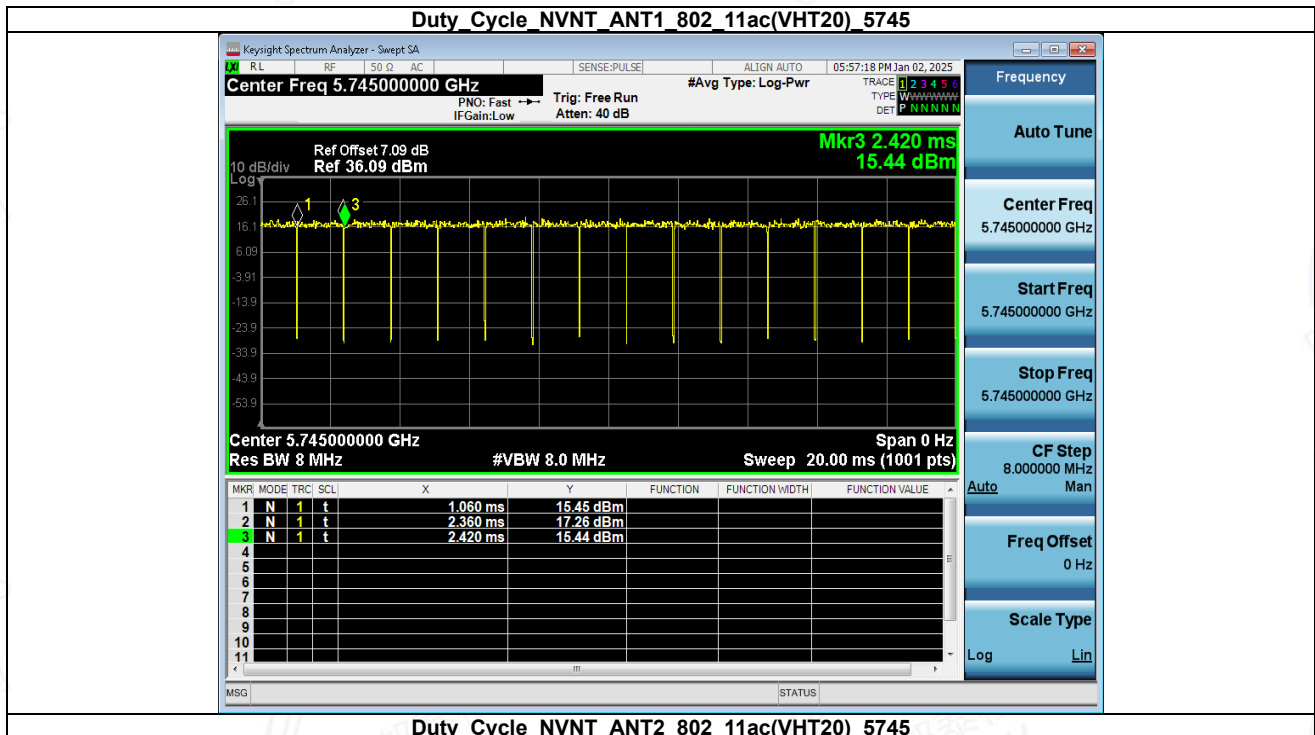
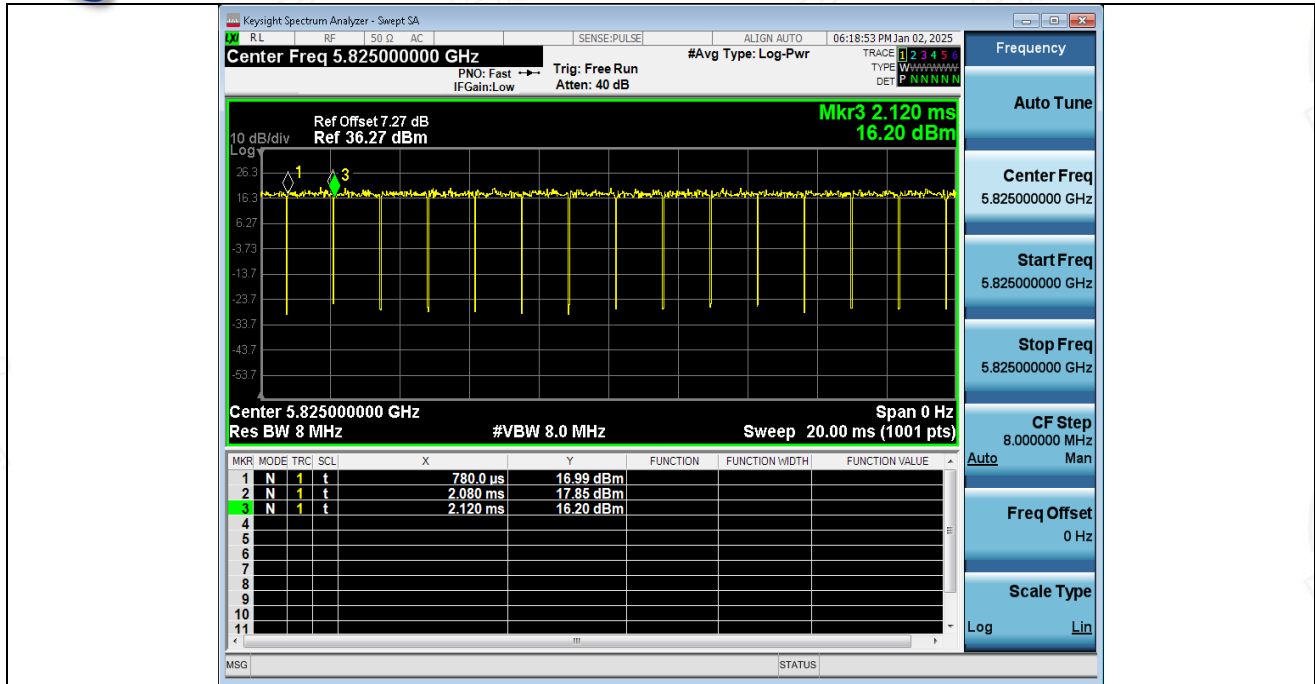


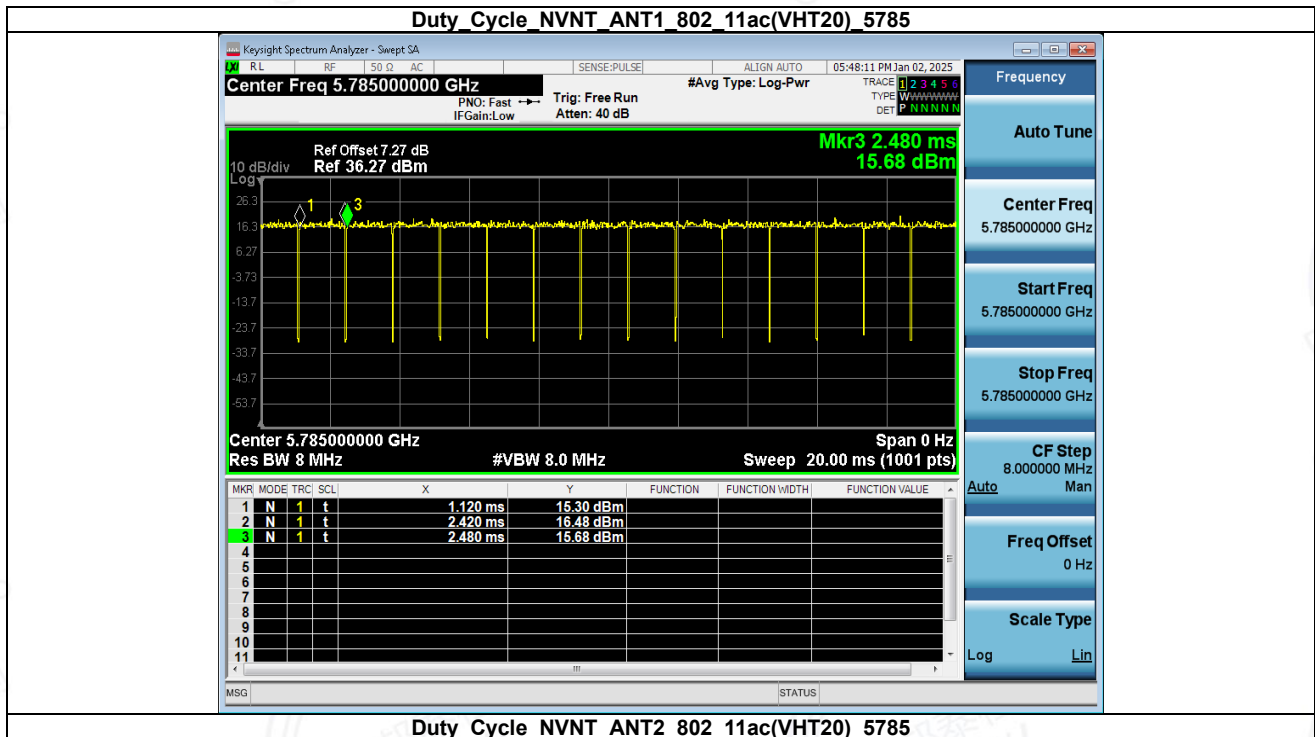
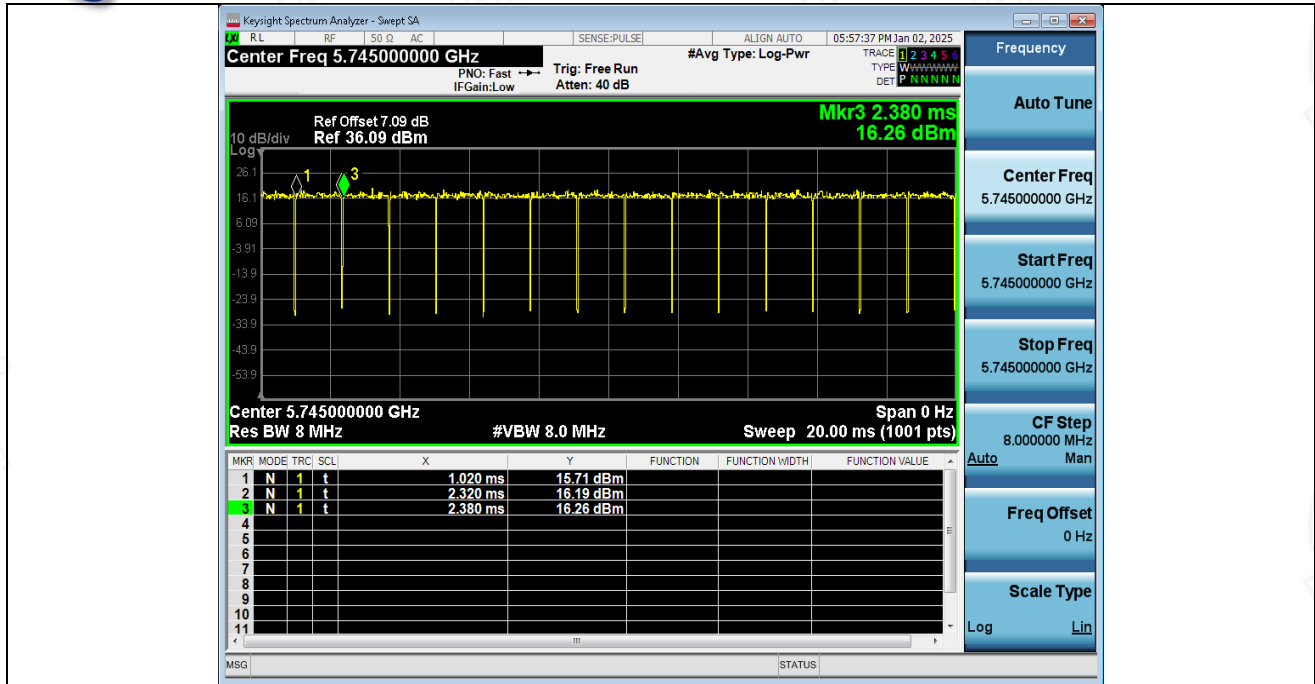


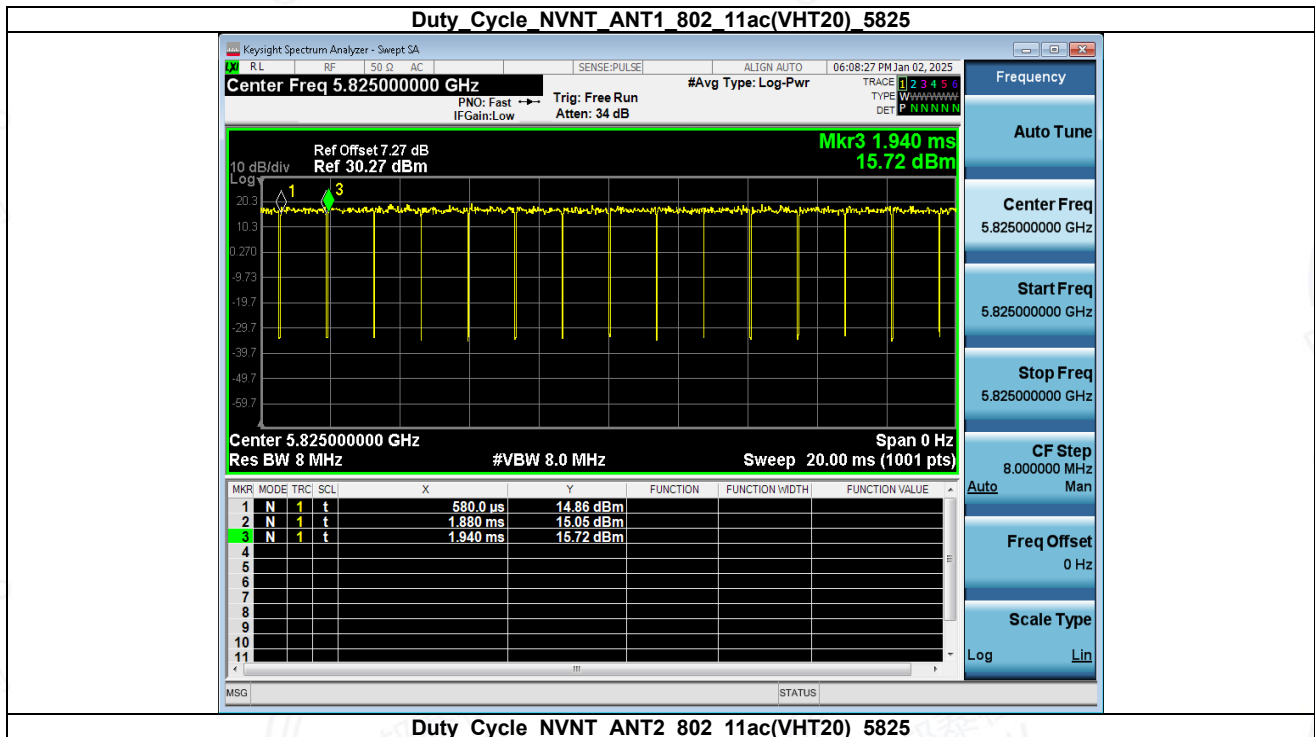
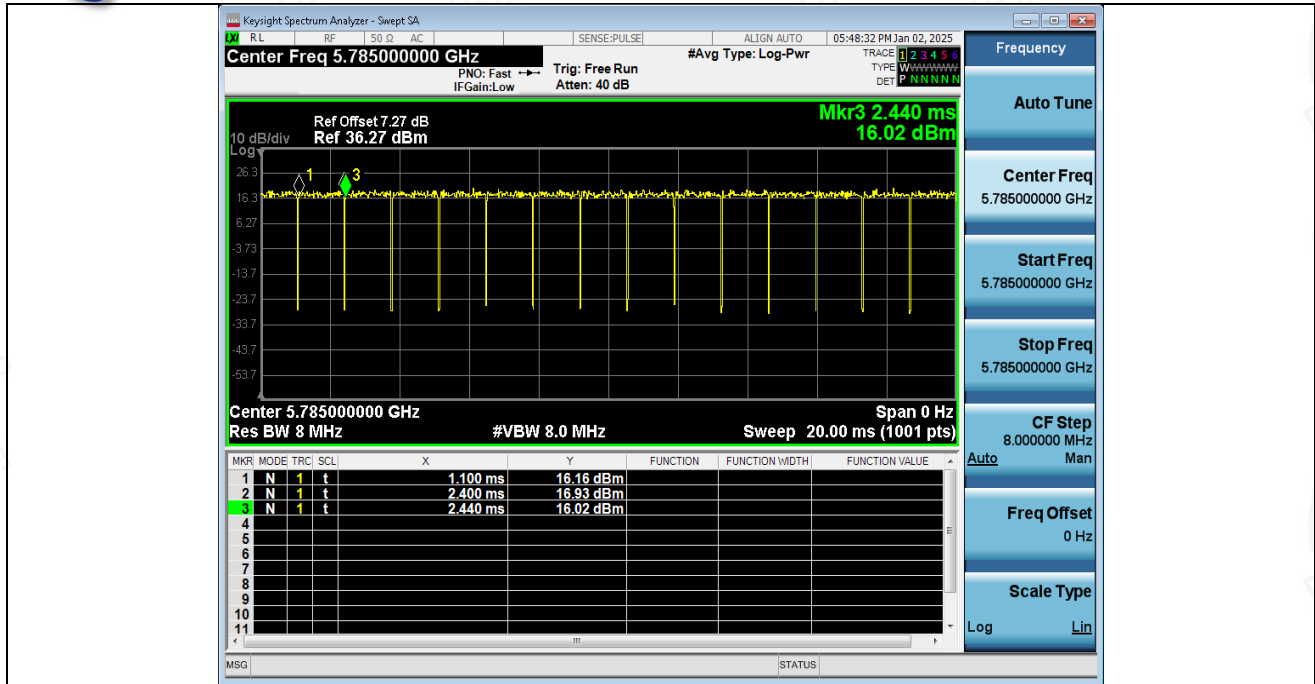


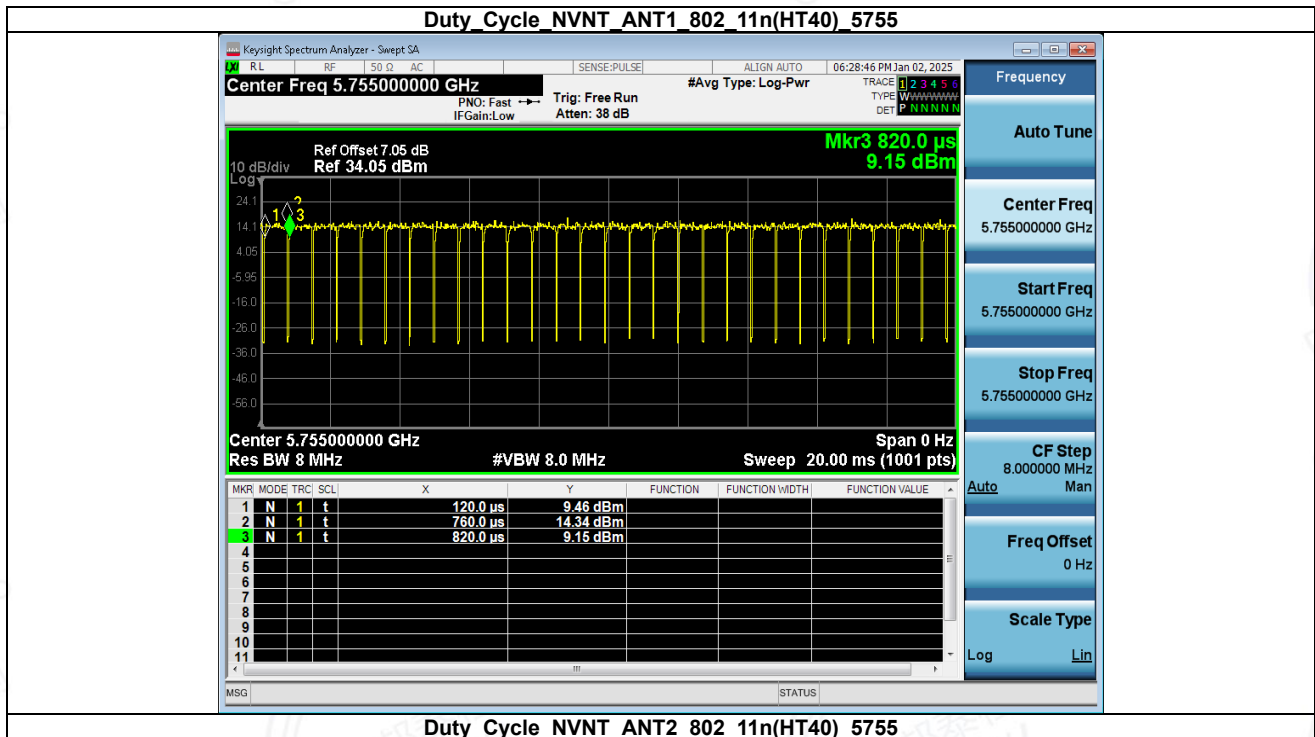
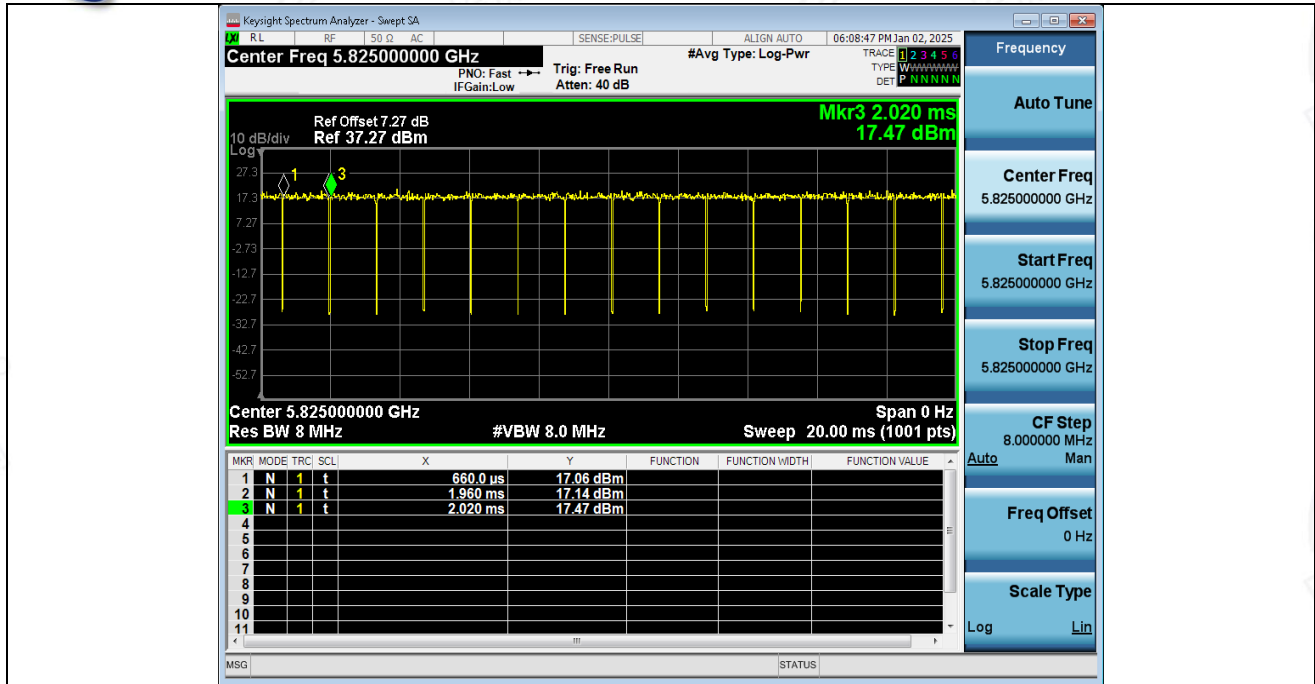


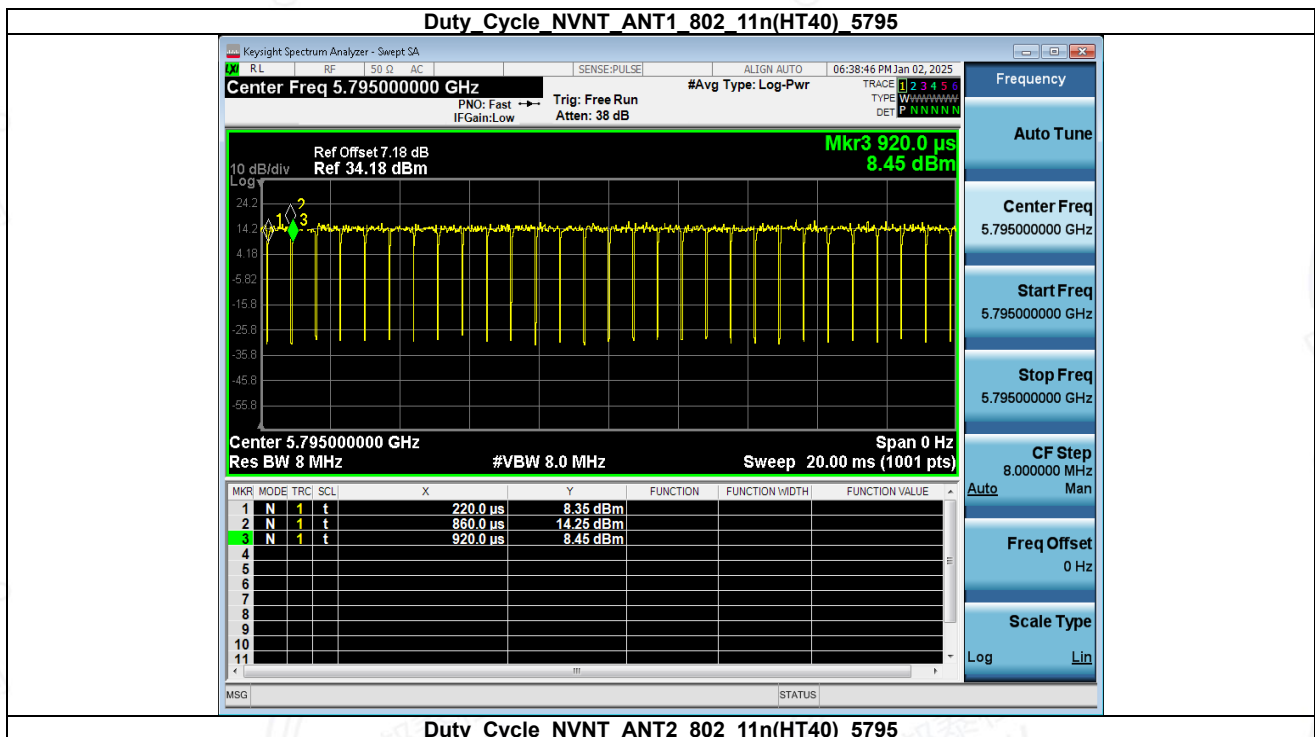
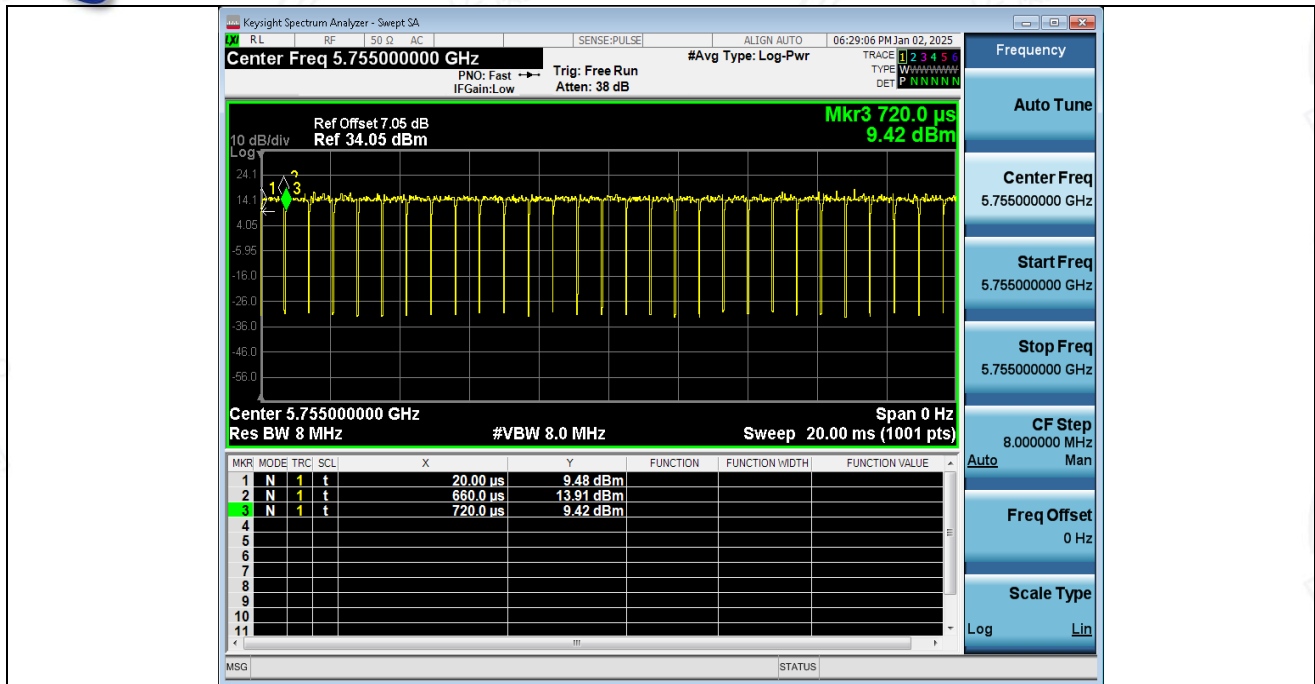


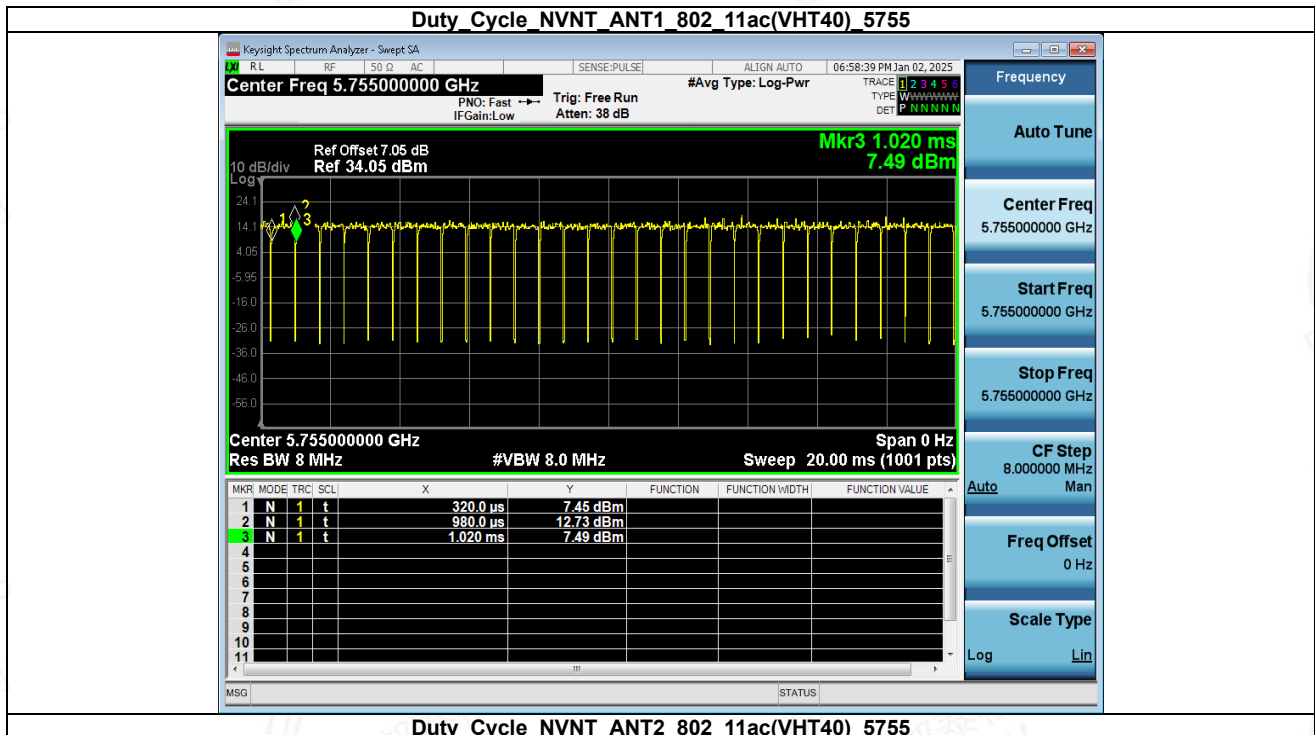
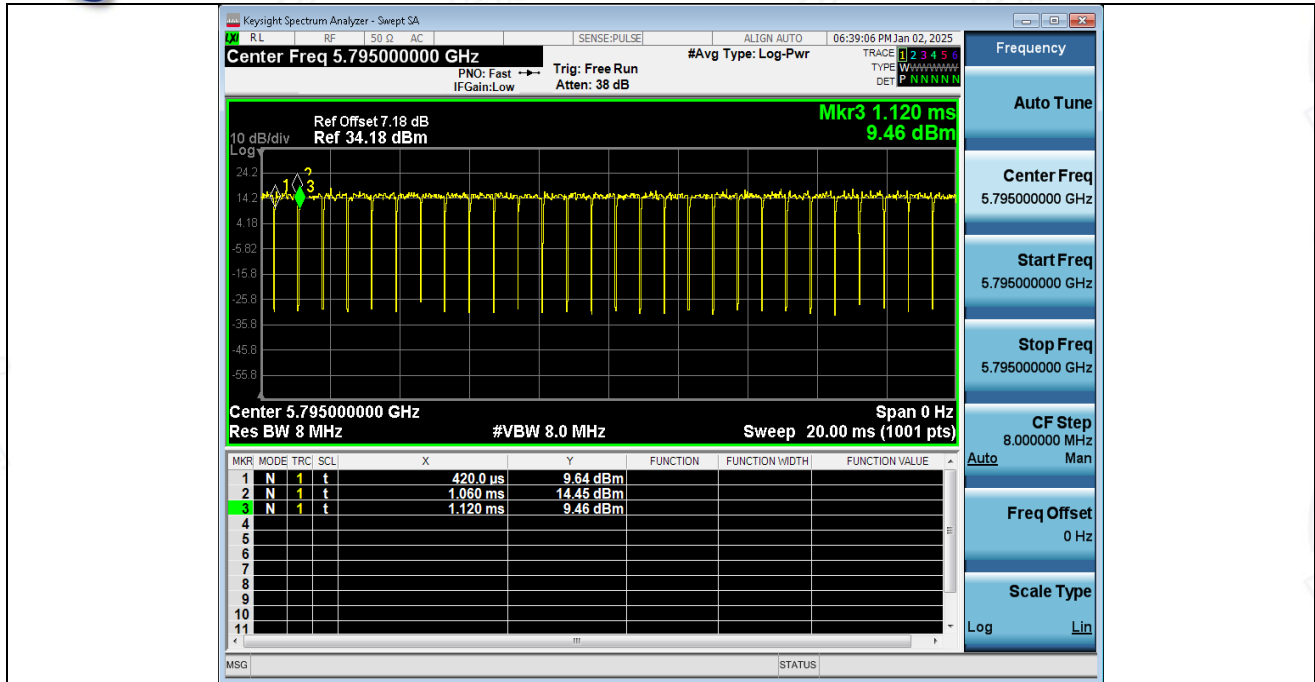


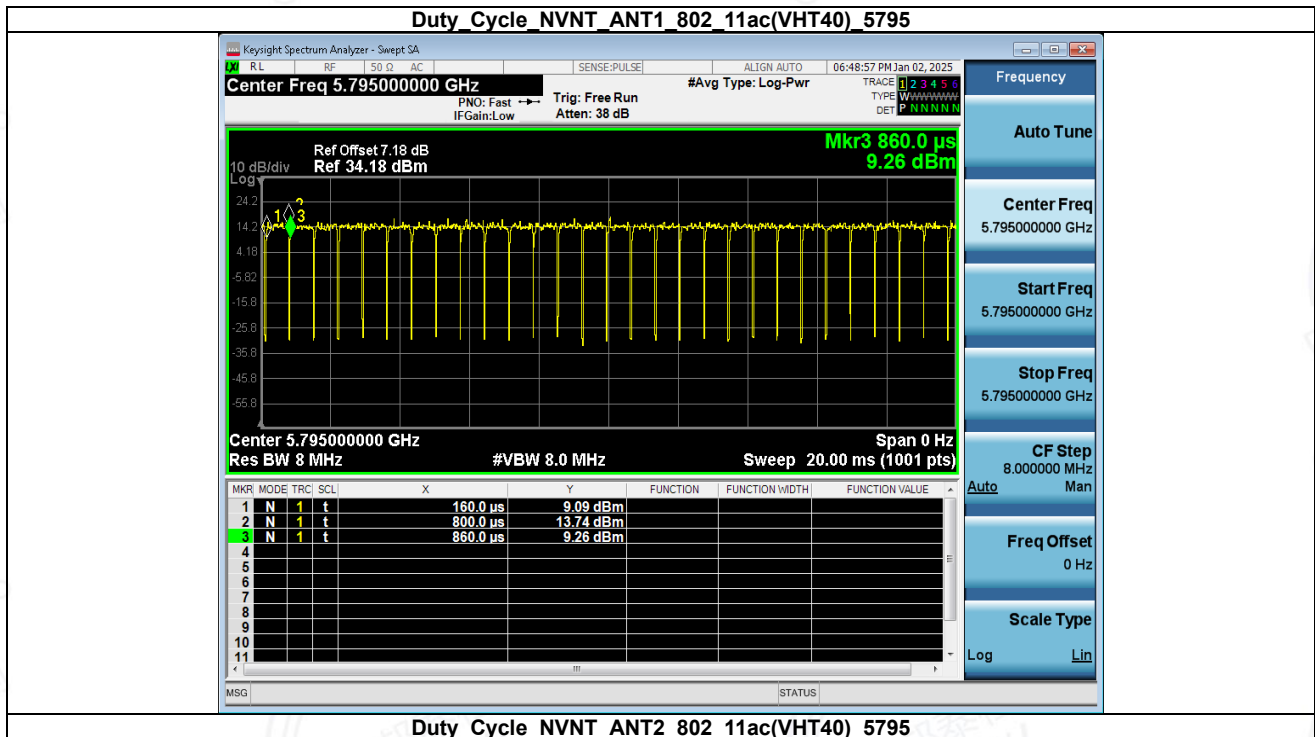
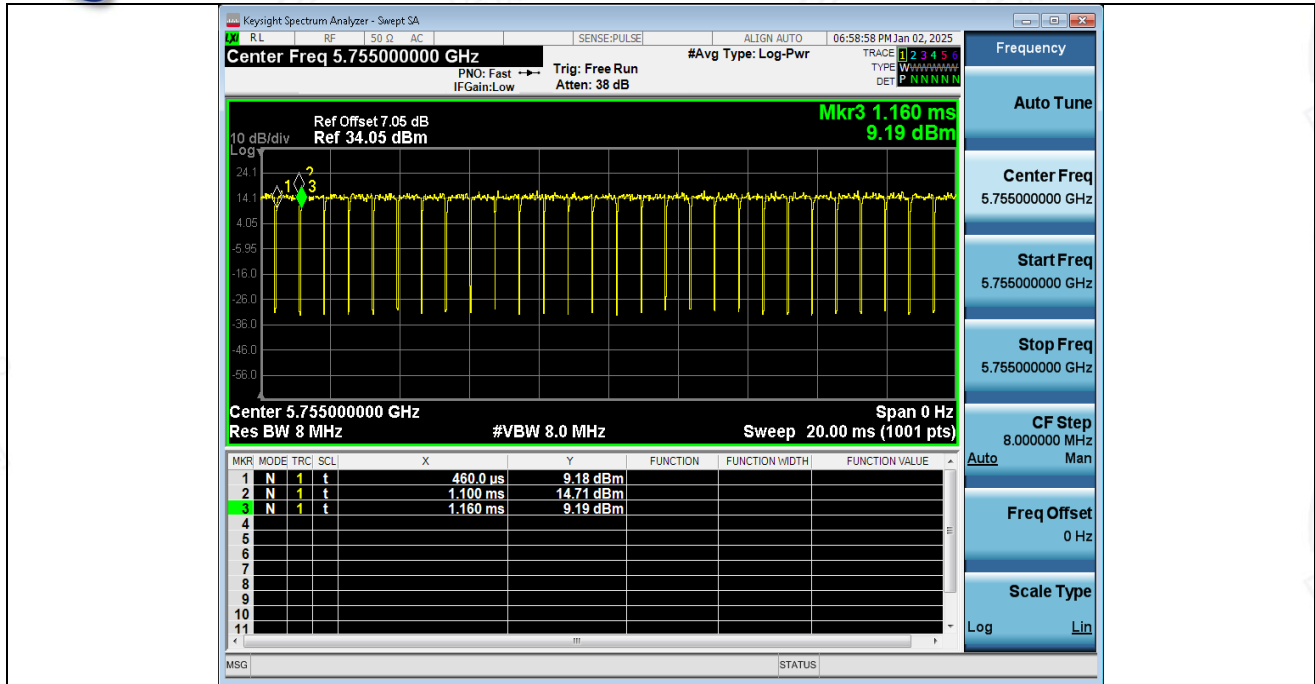


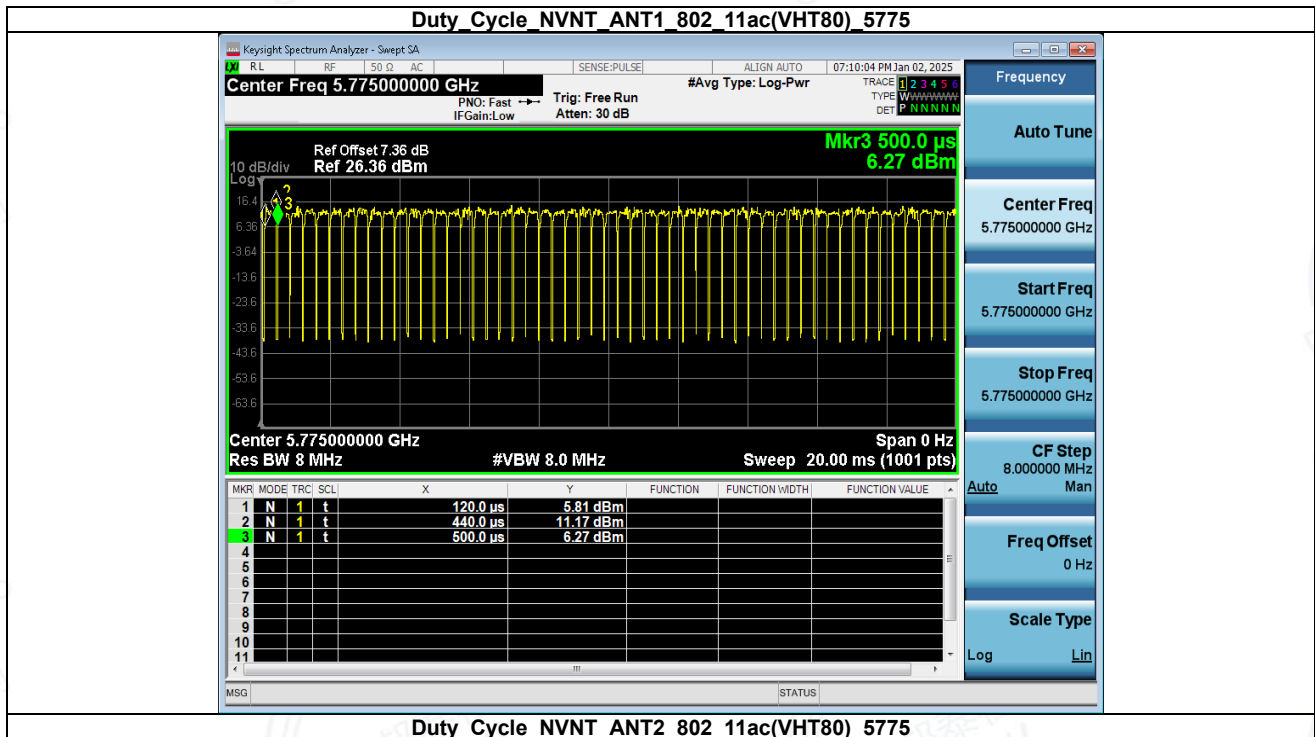
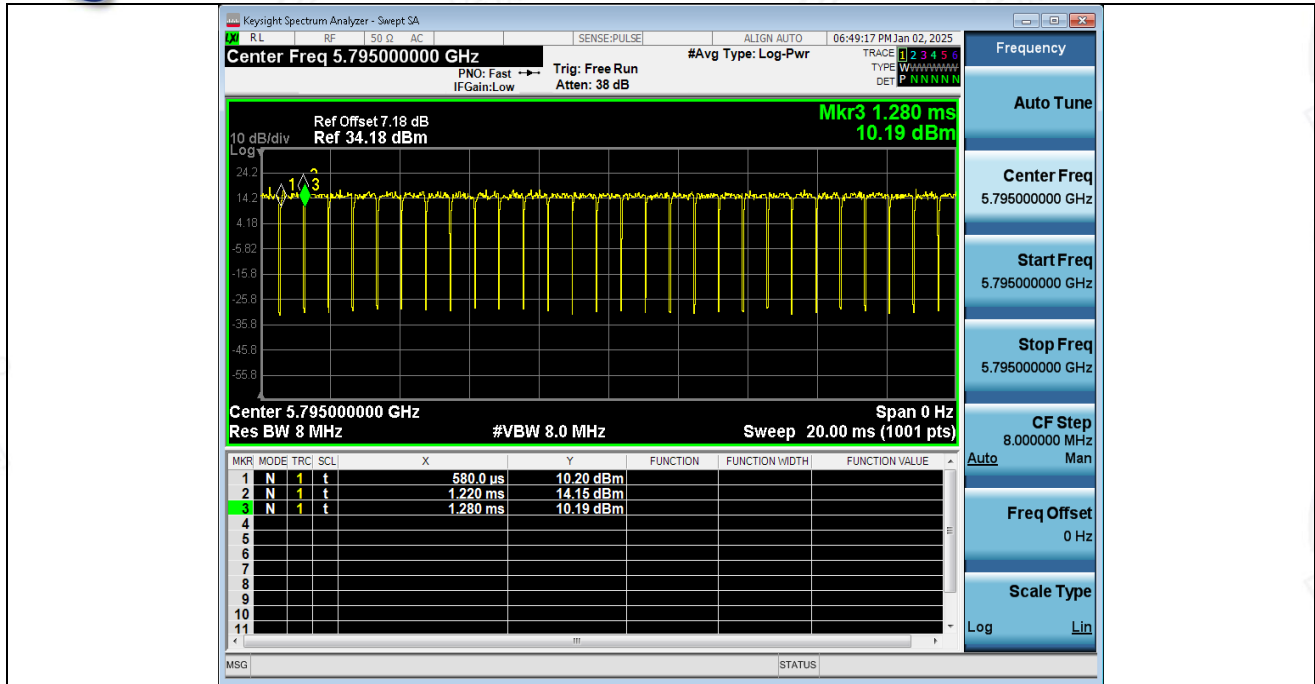


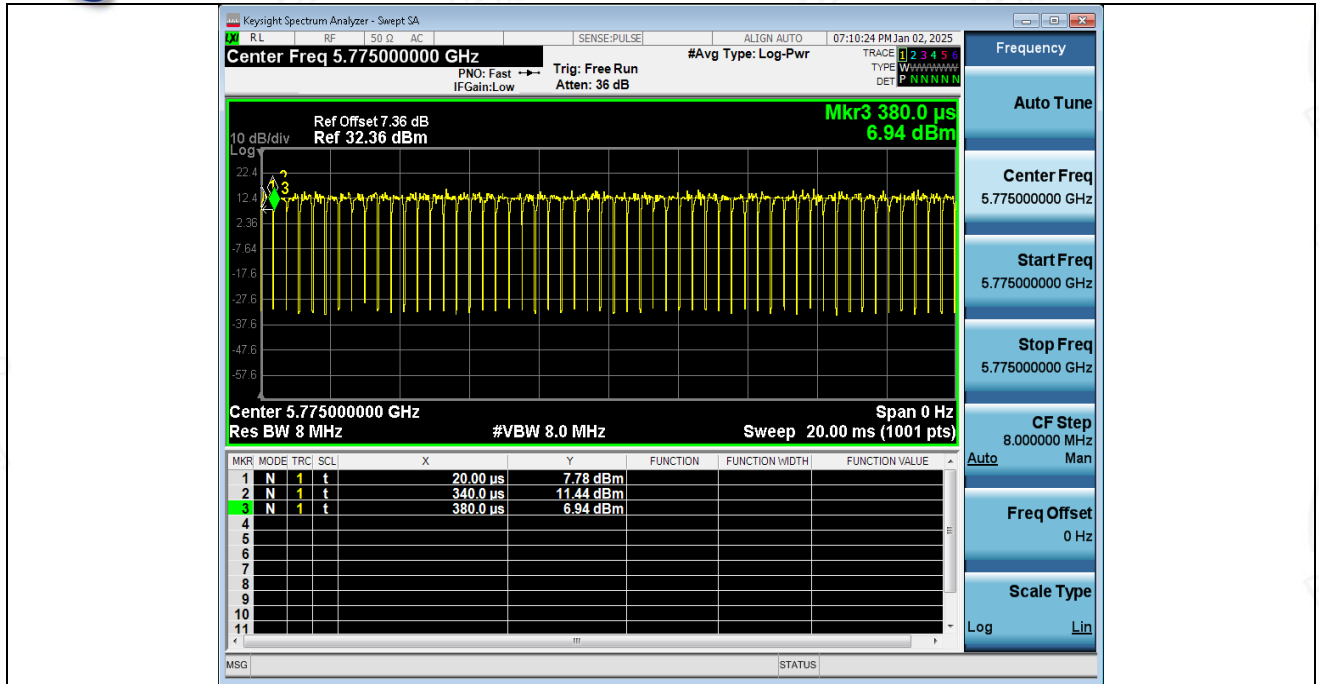












4. Maximum Conducted Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5745.00	13.49	0.18	13.67	30	Pass
NVNT	ANT2	802.11a	5745.00	13.71	0.18	13.89	30	Pass
NVNT	ANT1	802.11a	5785.00	13.57	0.18	13.75	30	Pass
NVNT	ANT2	802.11a	5785.00	14.36	0.18	14.54	30	Pass
NVNT	ANT1	802.11a	5825.00	13.49	0.18	13.67	30	Pass
NVNT	ANT2	802.11a	5825.00	14.63	0.18	14.81	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	12.39	0.20	12.59	30	Pass
NVNT	ANT2	802.11n(HT20)	5745.00	12.78	0.20	12.98	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	12.48	0.20	12.68	30	Pass
NVNT	ANT2	802.11n(HT20)	5785.00	13.42	0.20	13.62	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	12.37	0.20	12.57	30	Pass
NVNT	ANT2	802.11n(HT20)	5825.00	13.61	0.13	13.74	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	12.36	0.20	12.56	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5745.00	12.69	0.20	12.89	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	12.48	0.20	12.68	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5785.00	13.38	0.13	13.51	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	12.37	0.20	12.57	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5825.00	13.61	0.20	13.81	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	12.37	0.39	12.76	30	Pass
NVNT	ANT2	802.11n(HT40)	5755.00	12.79	0.39	13.18	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	12.50	0.39	12.89	30	Pass
NVNT	ANT2	802.11n(HT40)	5795.00	13.26	0.39	13.65	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	12.44	0.26	12.70	30	Pass
NVNT	ANT2	802.11ac(VHT40)	5755.00	12.72	0.39	13.11	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	12.52	0.39	12.91	30	Pass
NVNT	ANT2	802.11ac(VHT40)	5795.00	13.31	0.39	13.70	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	12.33	0.75	13.08	30	Pass
NVNT	ANT2	802.11ac(VHT80)	5775.00	12.86	0.51	13.37	30	Pass

