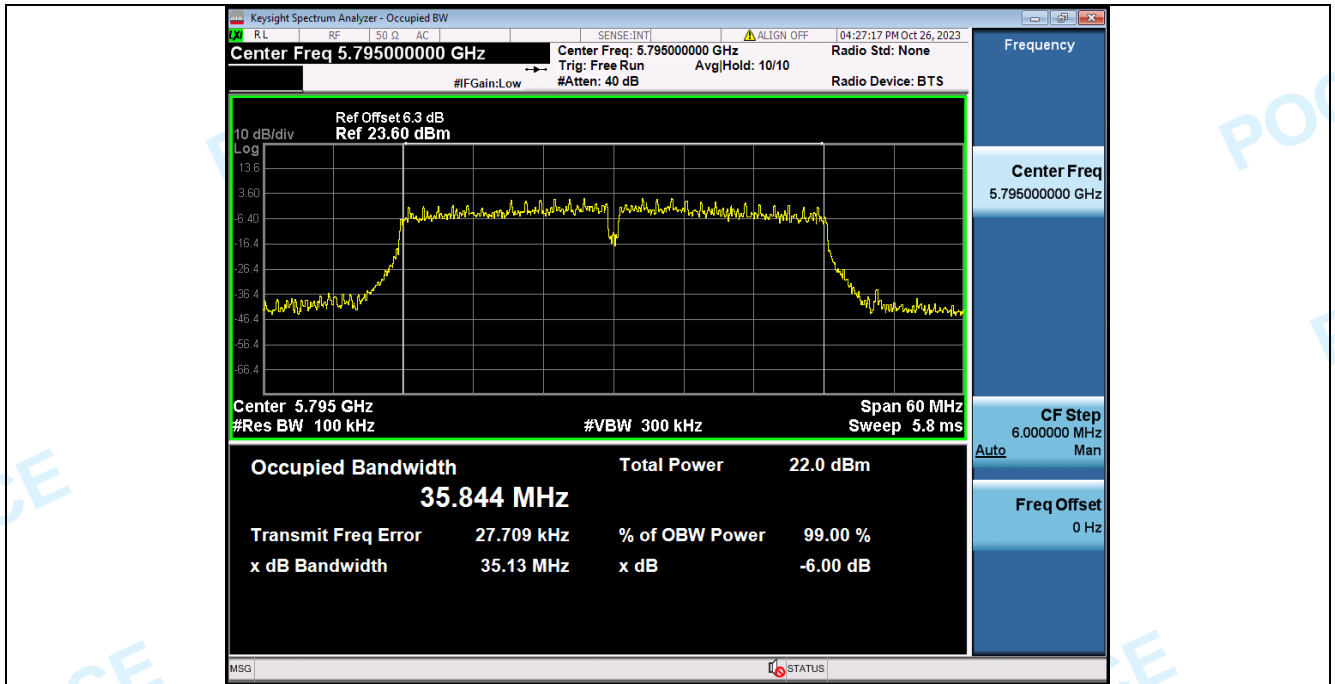
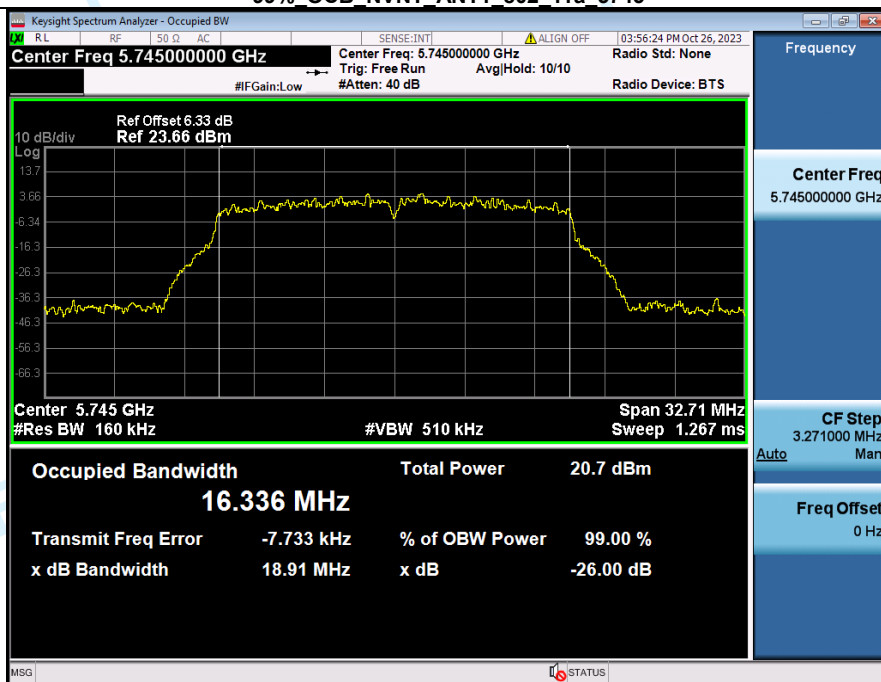




2. -26dB and 99% Emission Bandwidth

Condition	Antenna	Modulation	Frequency(MHz)	26dB Emission Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5745.00	19.73	16.34
NVNT	ANT1	802.11a	5785.00	20.03	16.34
NVNT	ANT1	802.11a	5825.00	19.88	16.35
NVNT	ANT1	802.11n(HT20)	5745.00	20.15	17.51
NVNT	ANT1	802.11n(HT20)	5785.00	20.30	17.51
NVNT	ANT1	802.11n(HT20)	5825.00	20.22	17.51
NVNT	ANT1	802.11n(HT40)	5755.00	41.05	35.92
NVNT	ANT1	802.11n(HT40)	5795.00	40.65	36.01

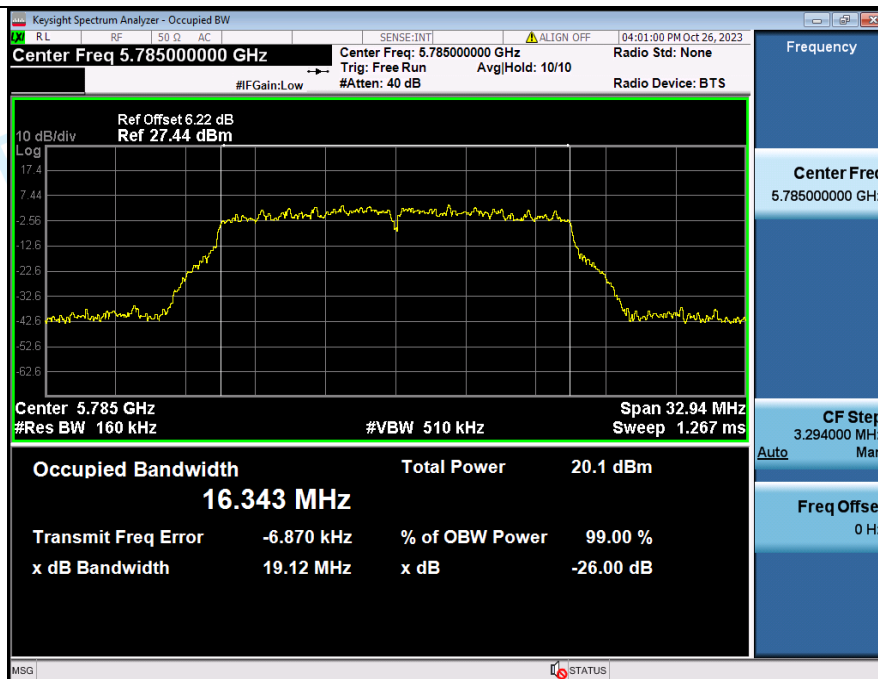
99% OCB NVNT ANT1 802 11a 5745



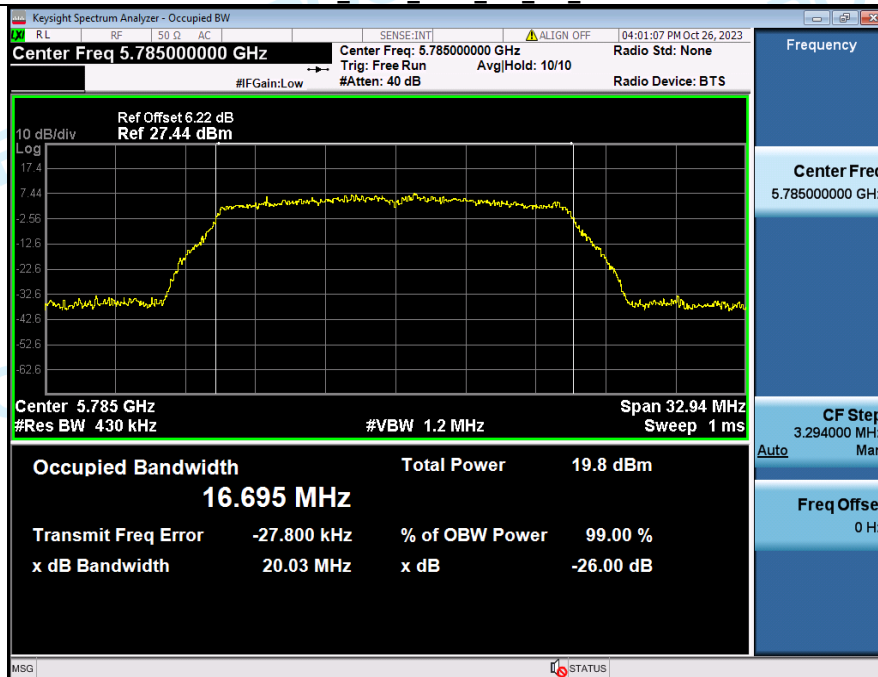
-26BW NVNT ANT1 802 11a 5745



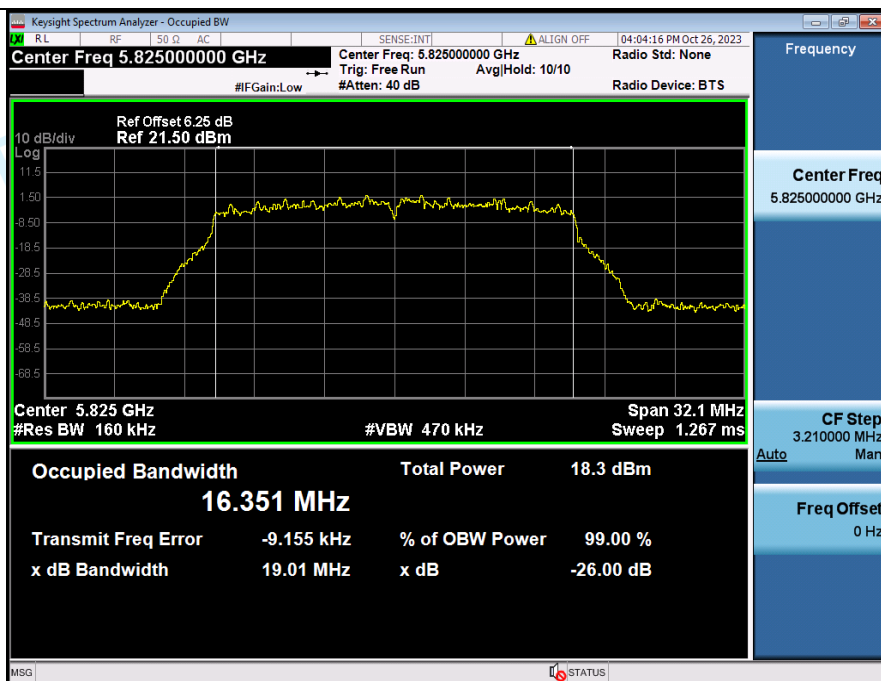
99%_OCB_NVNT_ANT1_802_11a_5785



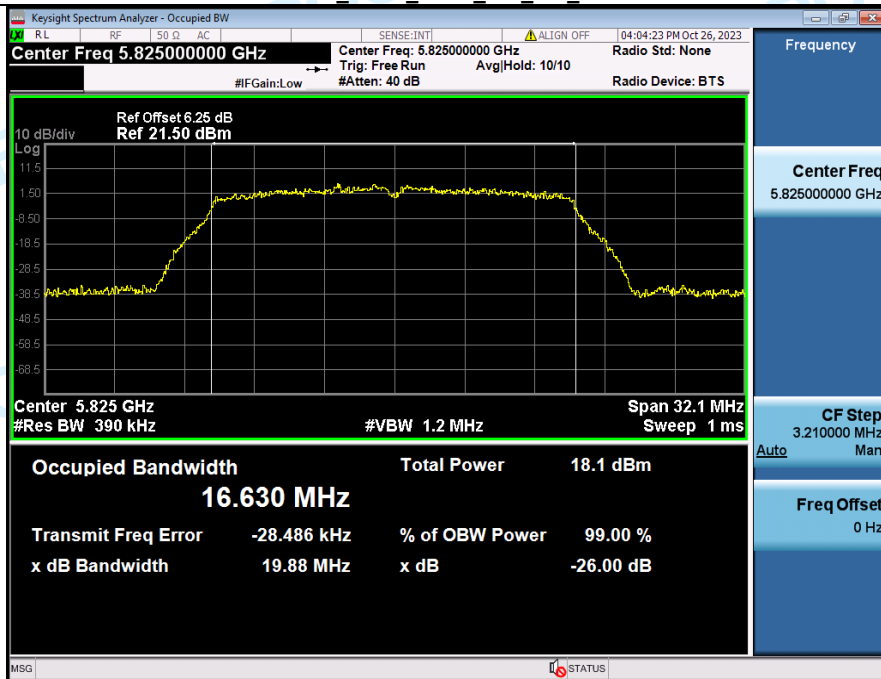
-26BW_NVNT_ANT1_802_11a_5785



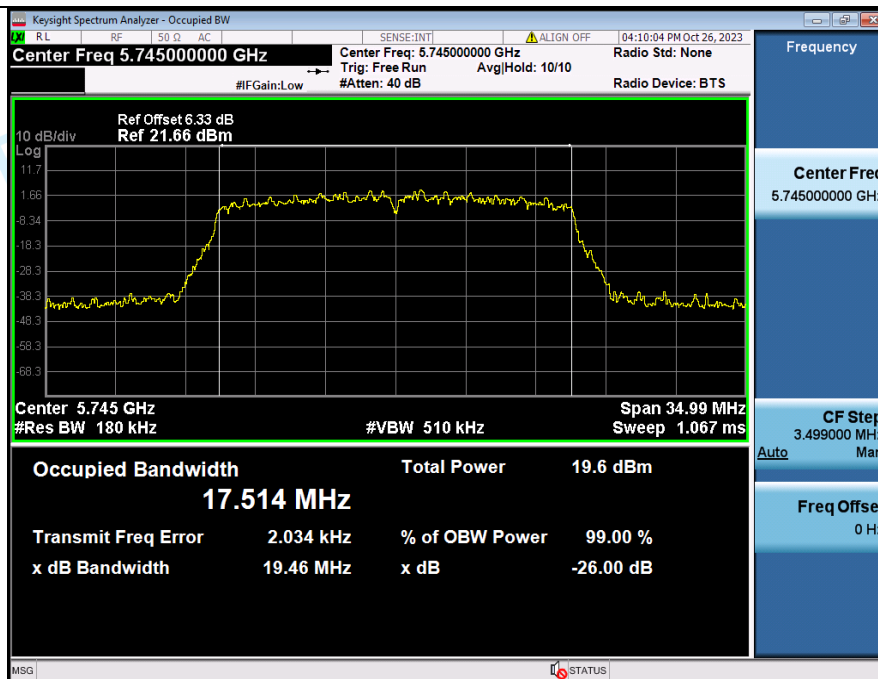
99% OCB_NVNT_ANT1_802_11a_5825



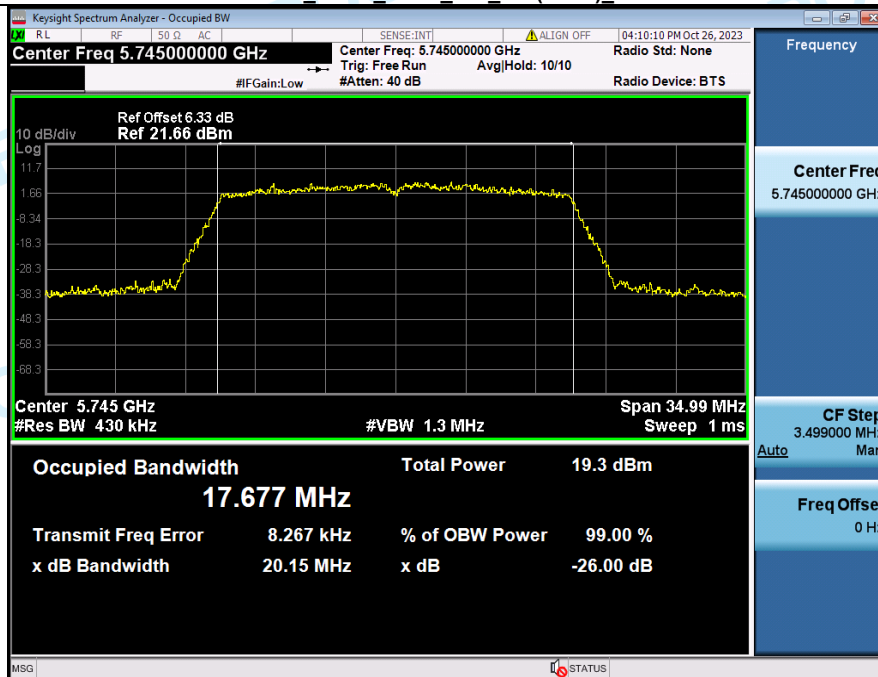
-26BW_NVNT_ANT1_802_11a_5825



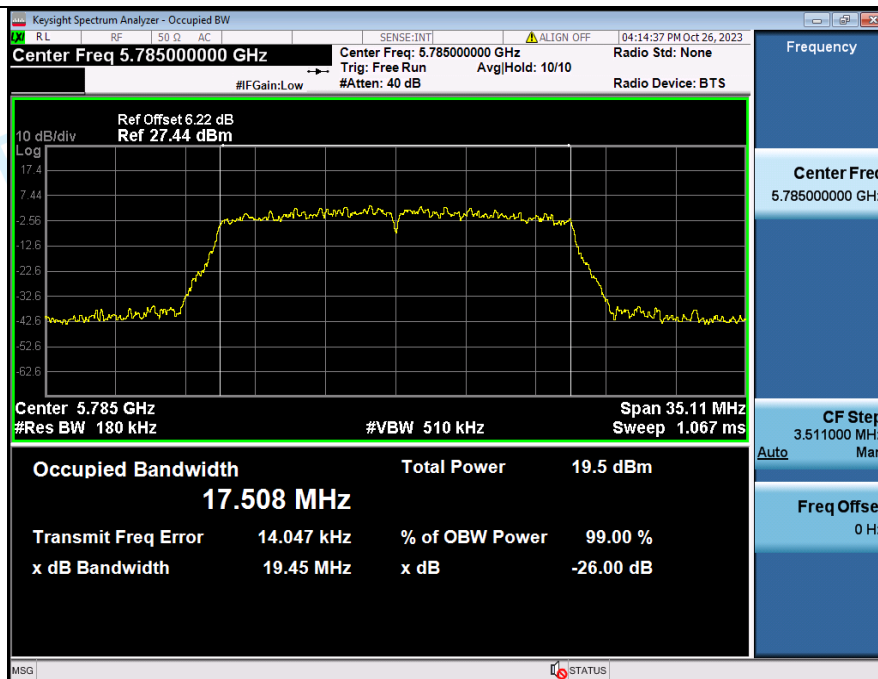
99% OCB NVNT ANT1_802_11n(HT20)_5745



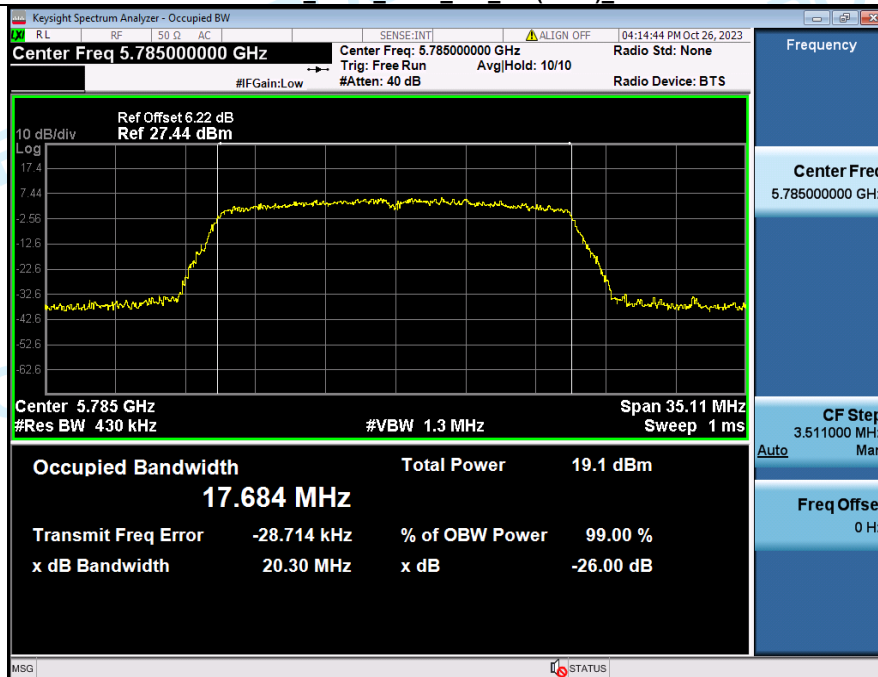
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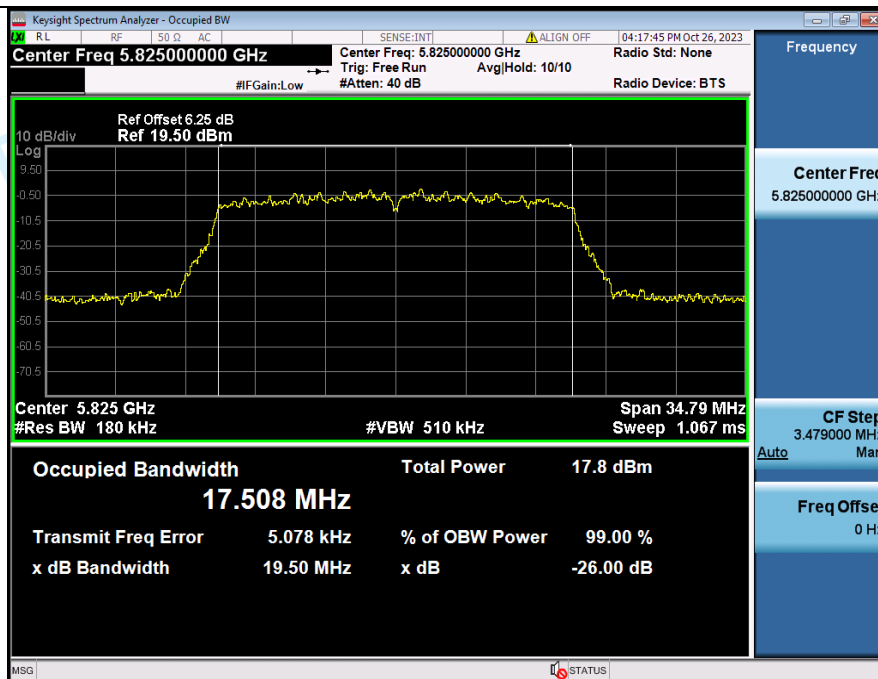
99% OCB_NVNT_ANT1_802_11n(HT20)_5785



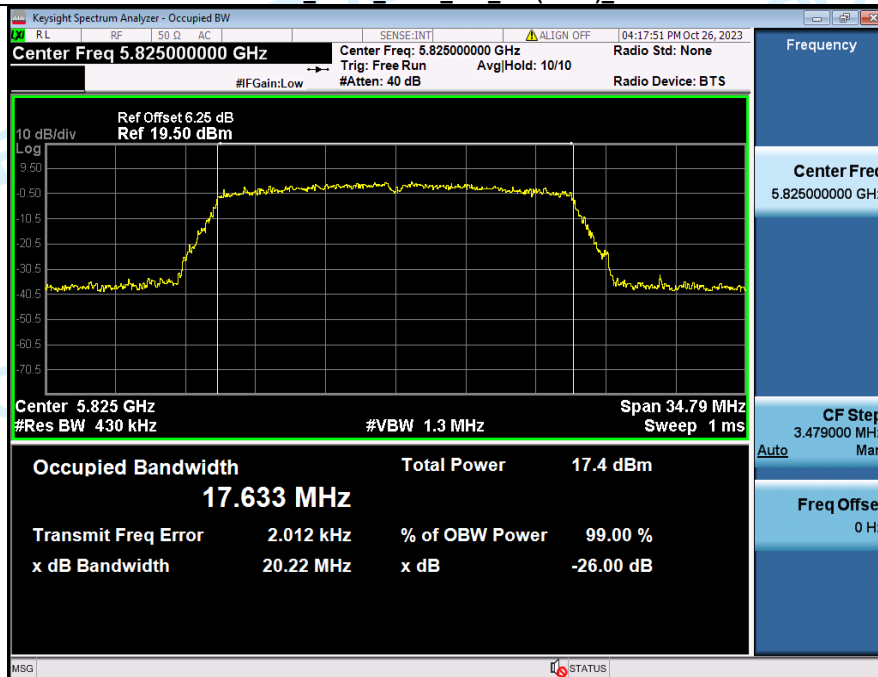
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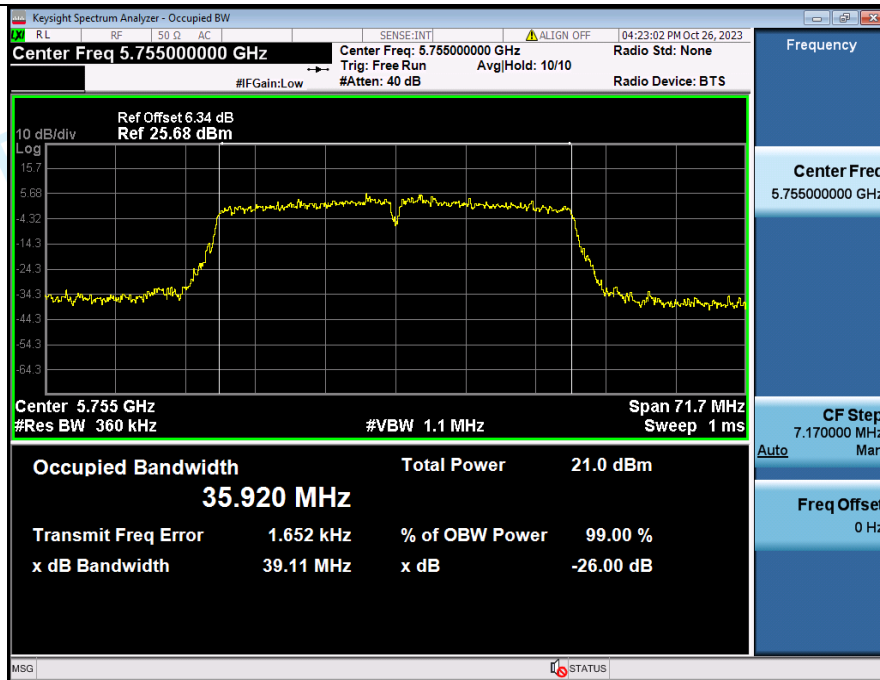
99% OCB NVNT ANT1_802_11n(HT20)_5825



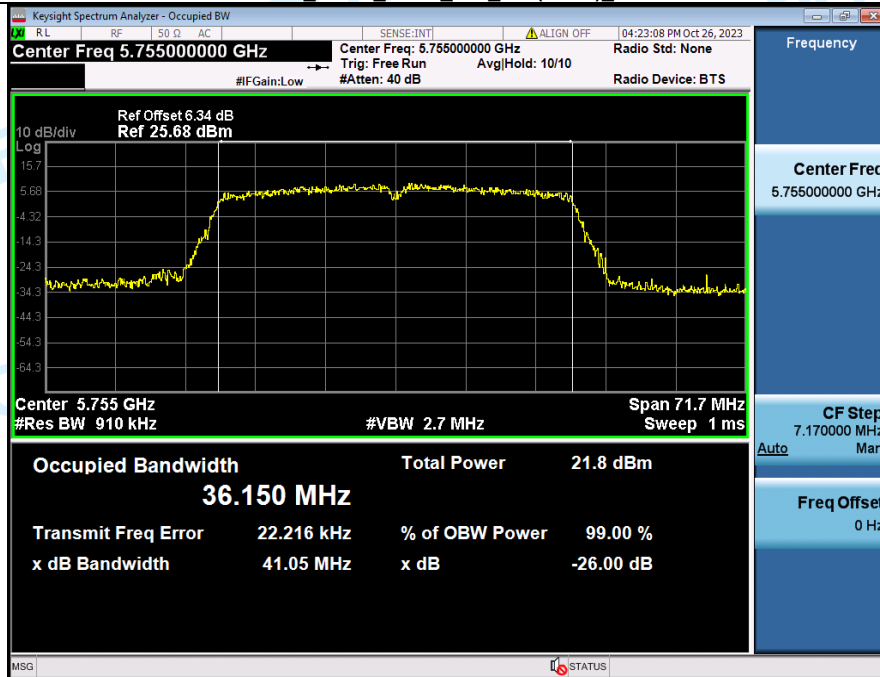
-26BW_NVNT_ANT1_802_11n(HT20)_5825



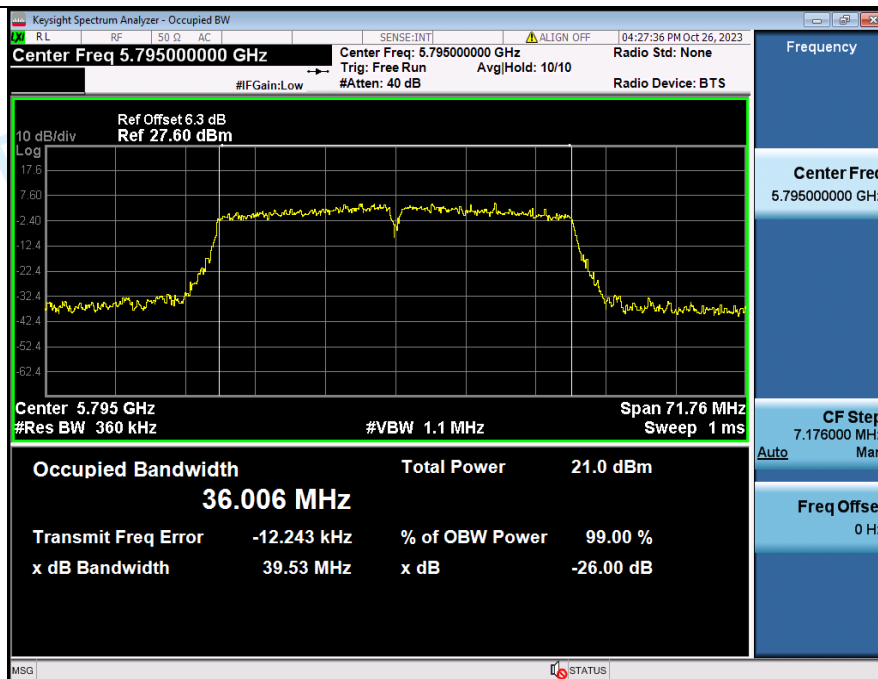
99% OCB NVNT ANT1_802_11n(HT40)_5755



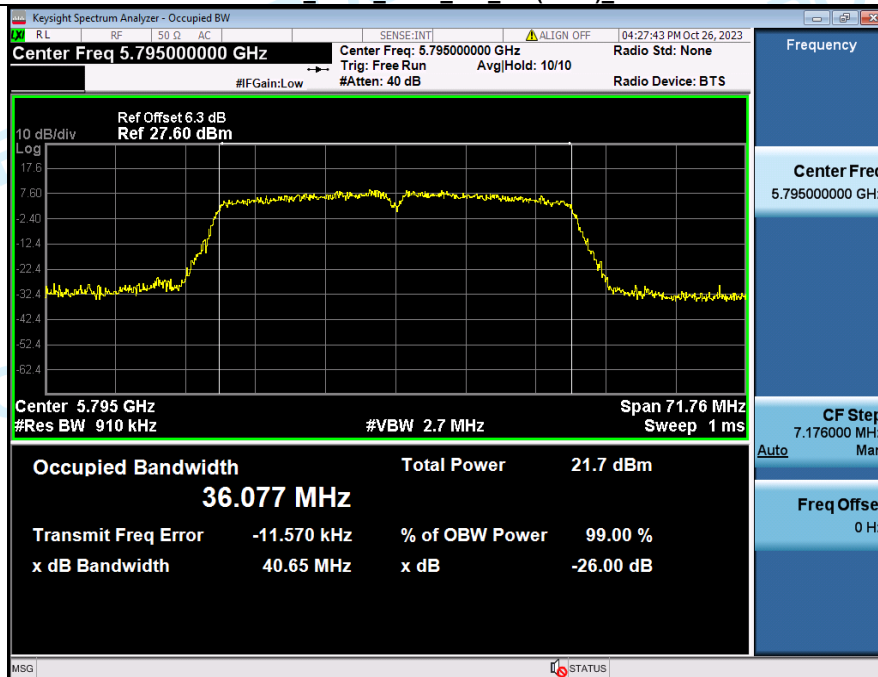
-26BW_NVNT_ANT1_802_11n(HT40)_5755



99% OCB NVNT ANT1_802_11n(HT40)_5795



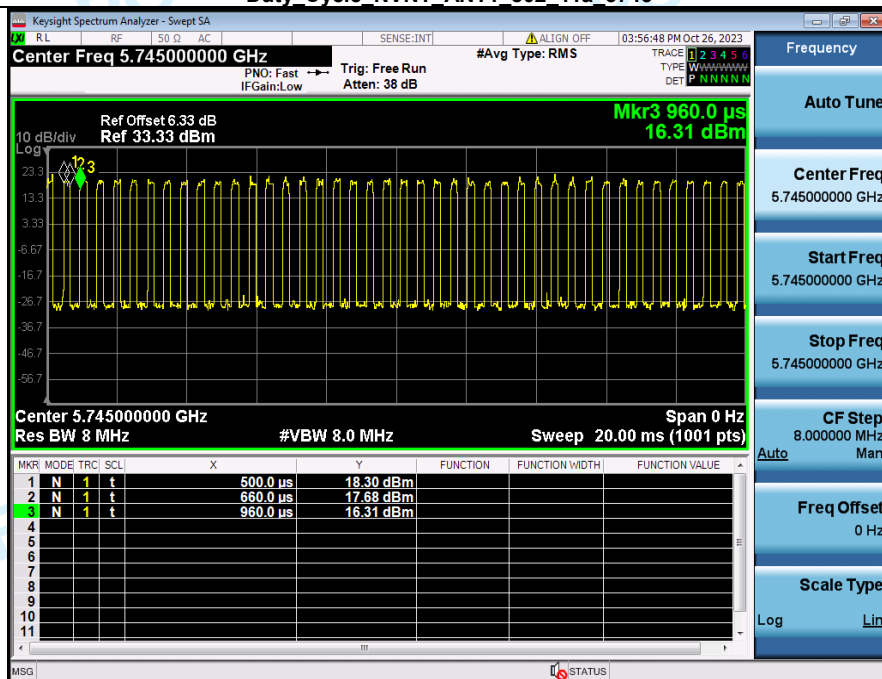
-26BW_NVNT_ANT1_802_11n(HT40)_5795



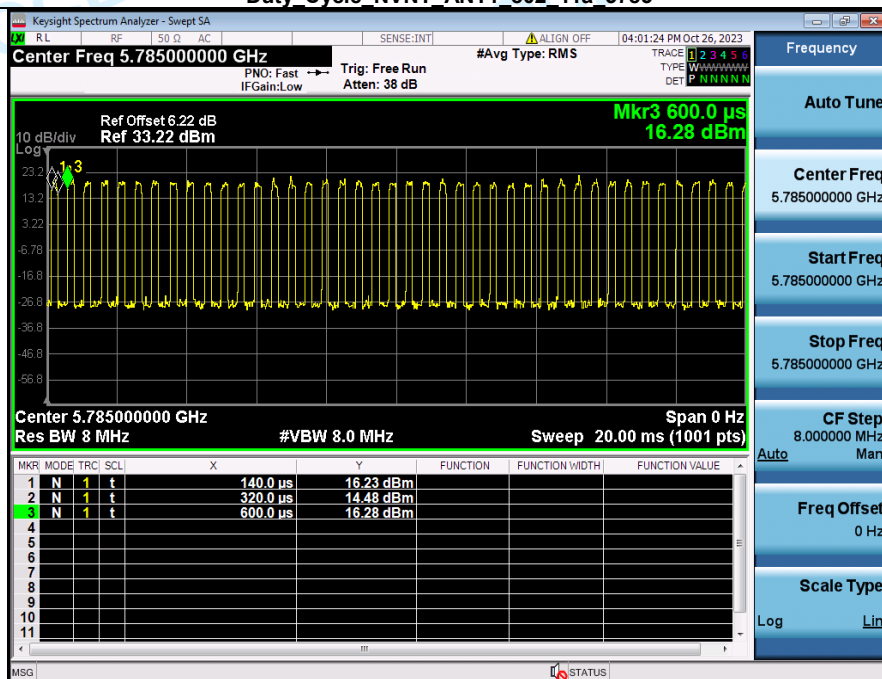
3. Duty Cycle

Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5745.00	34.78	4.59
NVNT	ANT1	802.11a	5785.00	39.13	4.07
NVNT	ANT1	802.11a	5825.00	33.33	4.77
NVNT	ANT1	802.11n(HT20)	5745.00	33.33	4.77
NVNT	ANT1	802.11n(HT20)	5785.00	33.33	4.77
NVNT	ANT1	802.11n(HT20)	5825.00	37.50	4.26
NVNT	ANT1	802.11n(HT40)	5755.00	23.81	6.23
NVNT	ANT1	802.11n(HT40)	5795.00	23.81	6.23

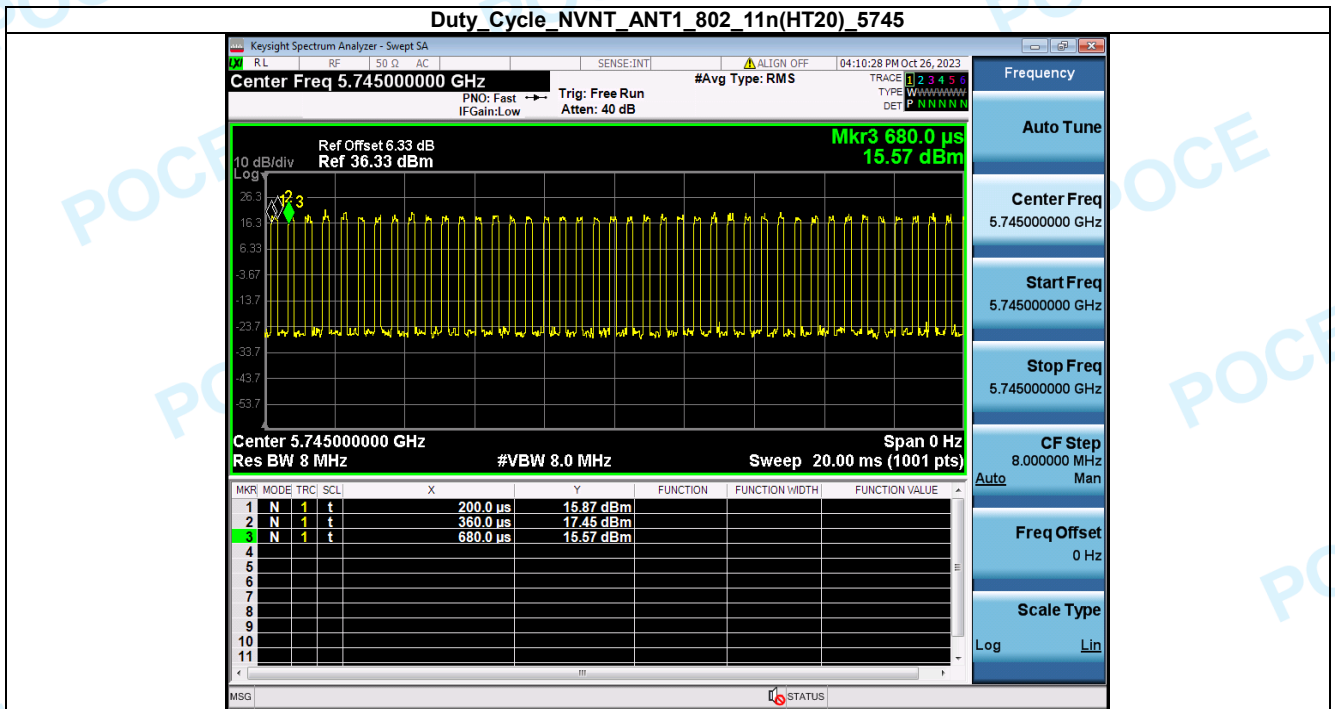
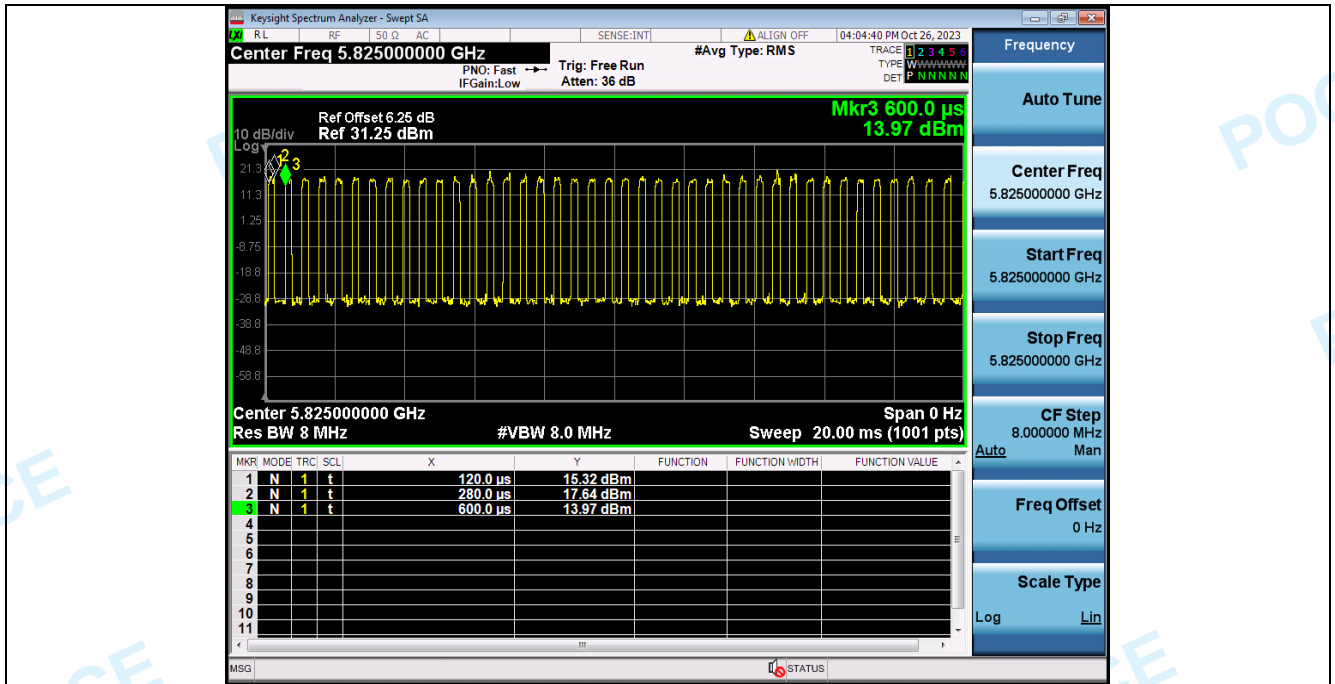
Duty Cycle NVNT ANT1 802 11a 5745



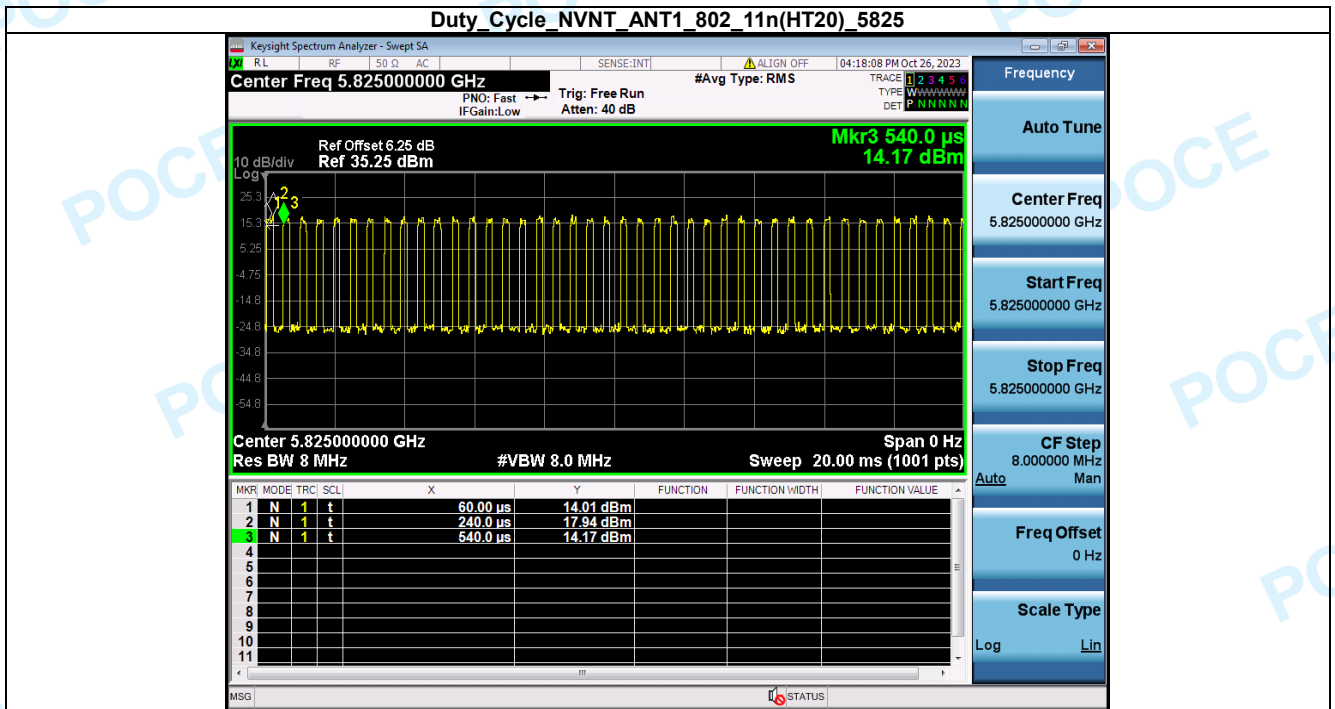
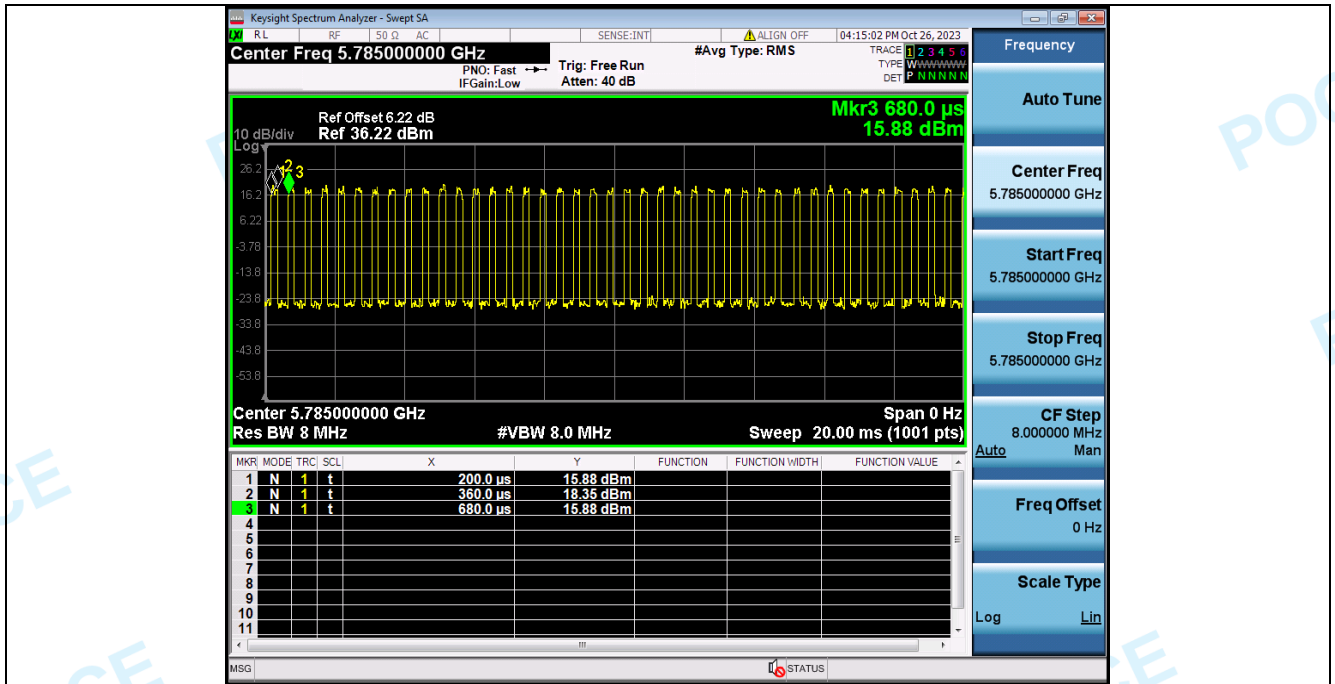
Duty Cycle NVNT ANT1 802 11a 5785



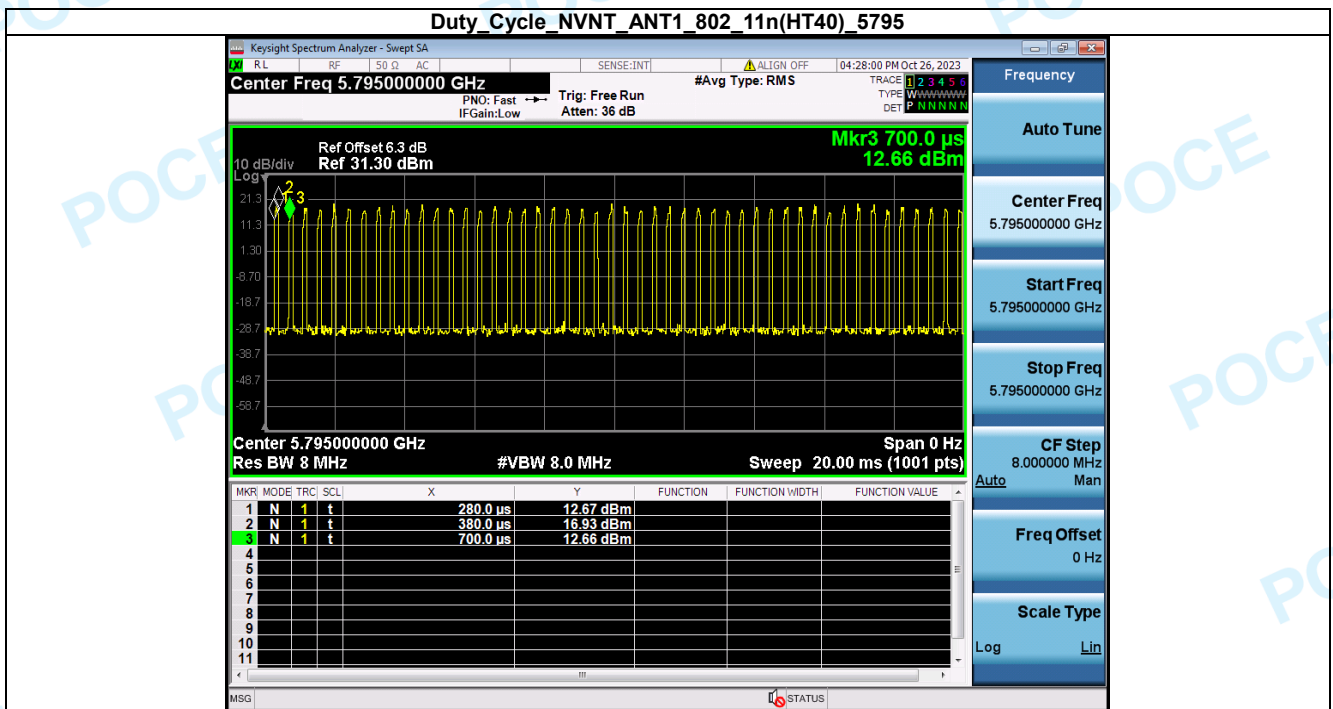
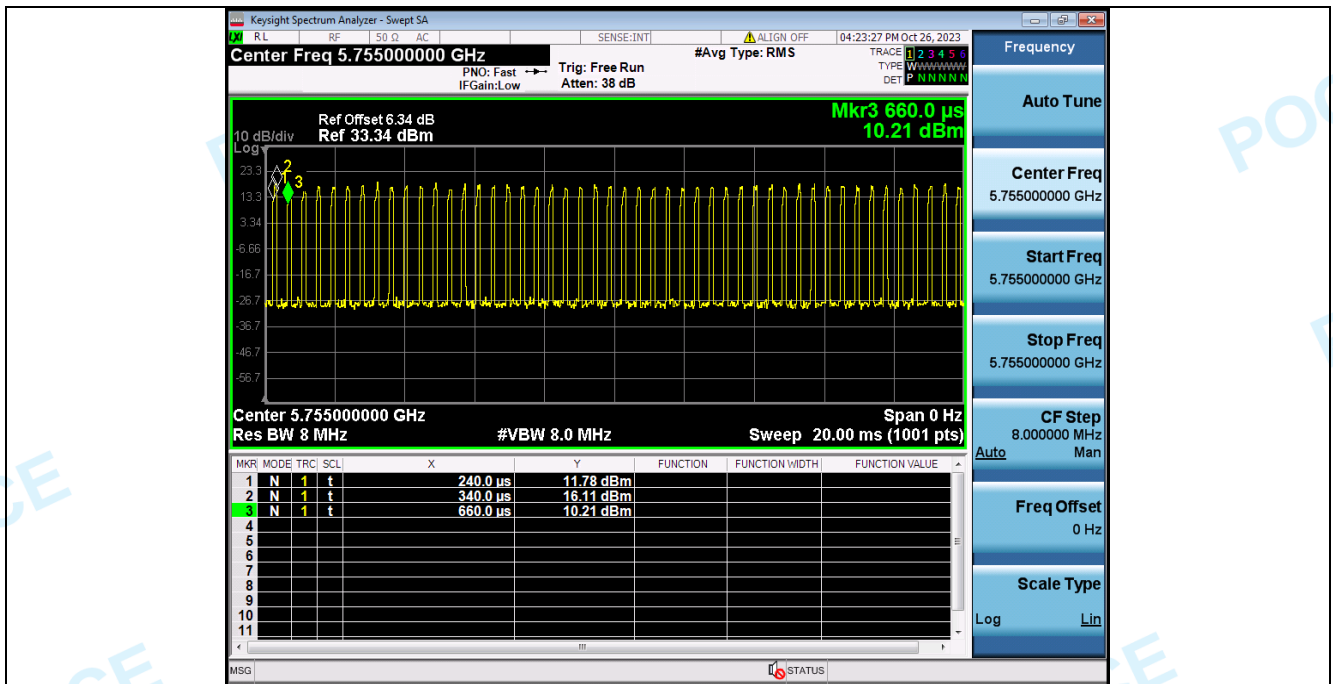
Duty Cycle NVNT ANT1 802 11a 5825



Duty Cycle_NVNT_ANT1_802_11n(HT20)_5785



Duty Cycle_NVNT_ANT1_802_11n(HT40)_5755



4. Maximum Conducted Output Power

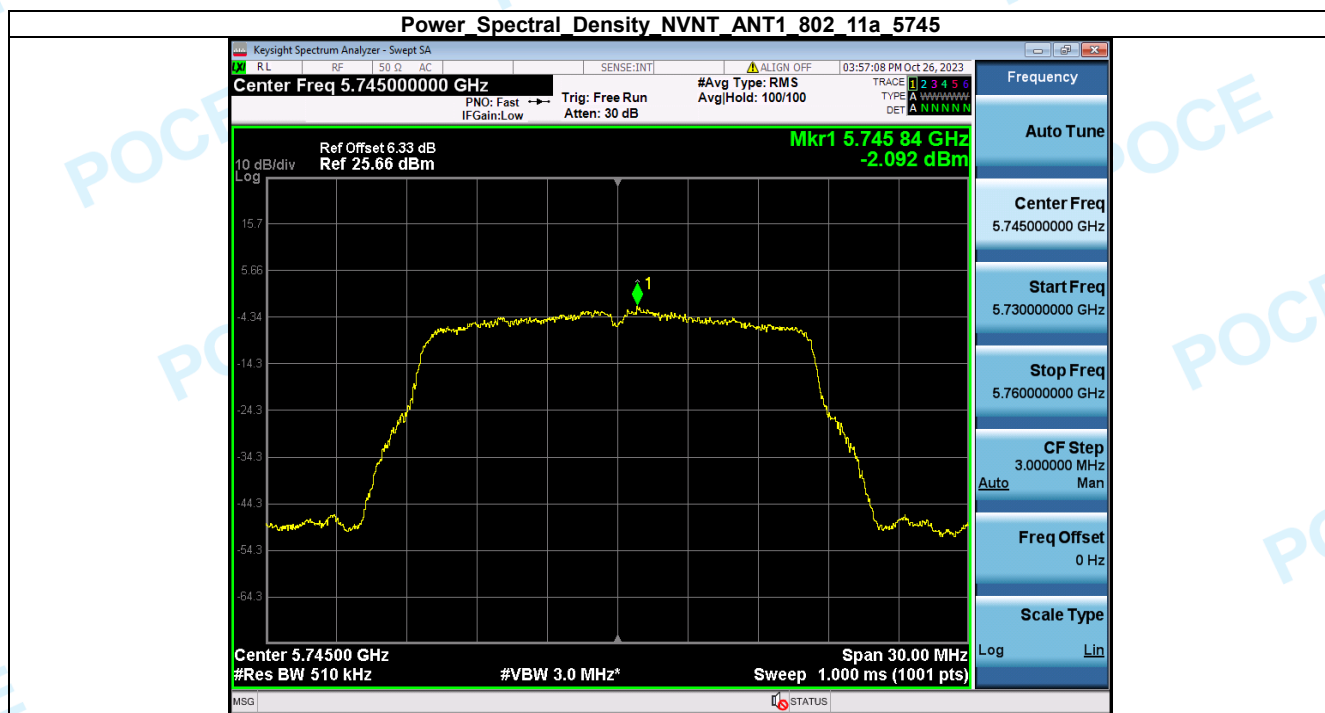
Condition	Antenna	Modulation	Frequency (MHz)	Conducted PK Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5745.00	9.56	0.29	9.85	24	Pass
NVNT	ANT1	802.11a	5785.00	8.95	4.07	13.02	24	Pass
NVNT	ANT1	802.11a	5825.00	7.18	4.77	11.95	24	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	8.27	4.77	13.04	24	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	8.02	4.77	12.79	24	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	6.41	4.26	10.67	24	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	8.56	6.23	14.79	24	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	8.46	6.23	14.69	24	Pass

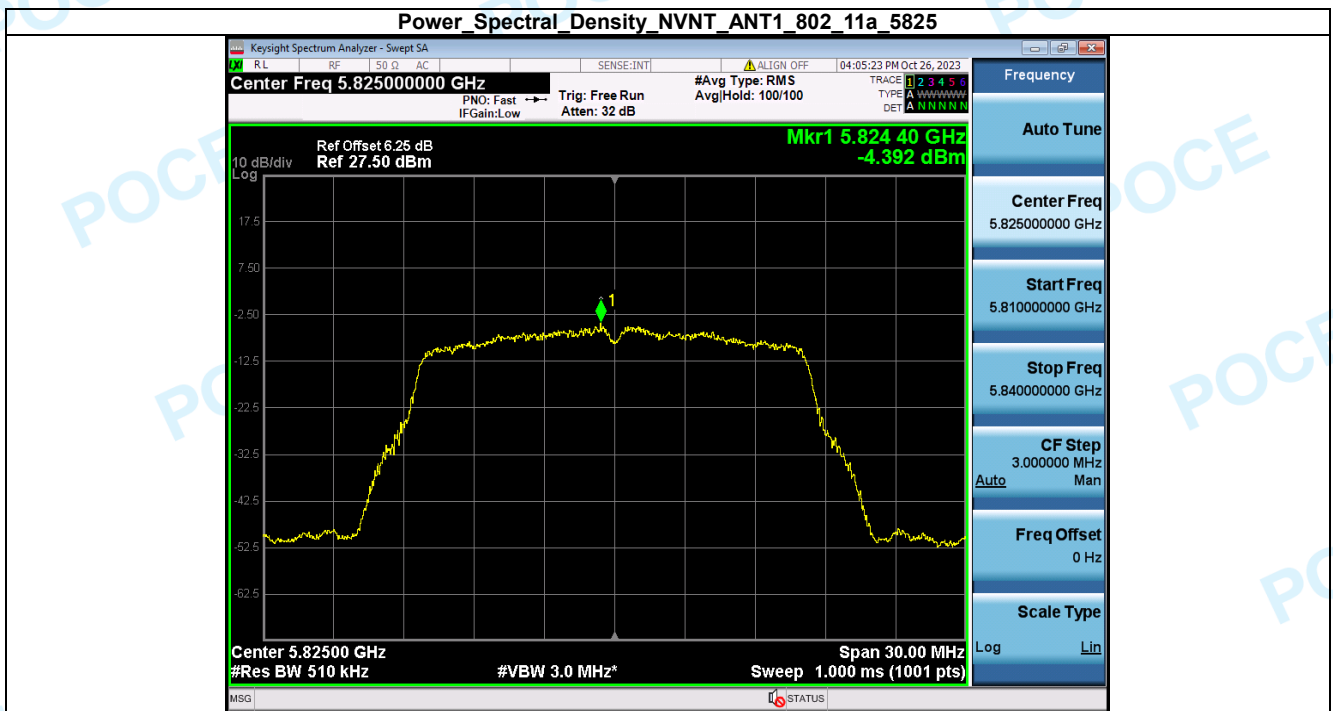
5. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	PSD_SA (dBm/510kHz)	Duty factor(dB)	RB factor(dB)	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
NVNT	ANT1	802.11a	5745.00	-2.09	4.59	-0.086	2.41	30	Pass
NVNT	ANT1	802.11a	5785.00	-3.20	4.07	-0.086	0.78	30	Pass
NVNT	ANT1	802.11a	5825.00	-4.39	4.77	-0.086	0.29	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	-3.85	4.77	-0.086	0.84	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	-4.57	4.77	-0.086	0.11	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	-6.00	4.26	-0.086	-1.83	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	-6.21	6.23	-0.086	-0.07	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	-6.69	6.23	-0.086	-0.55	30	Pass

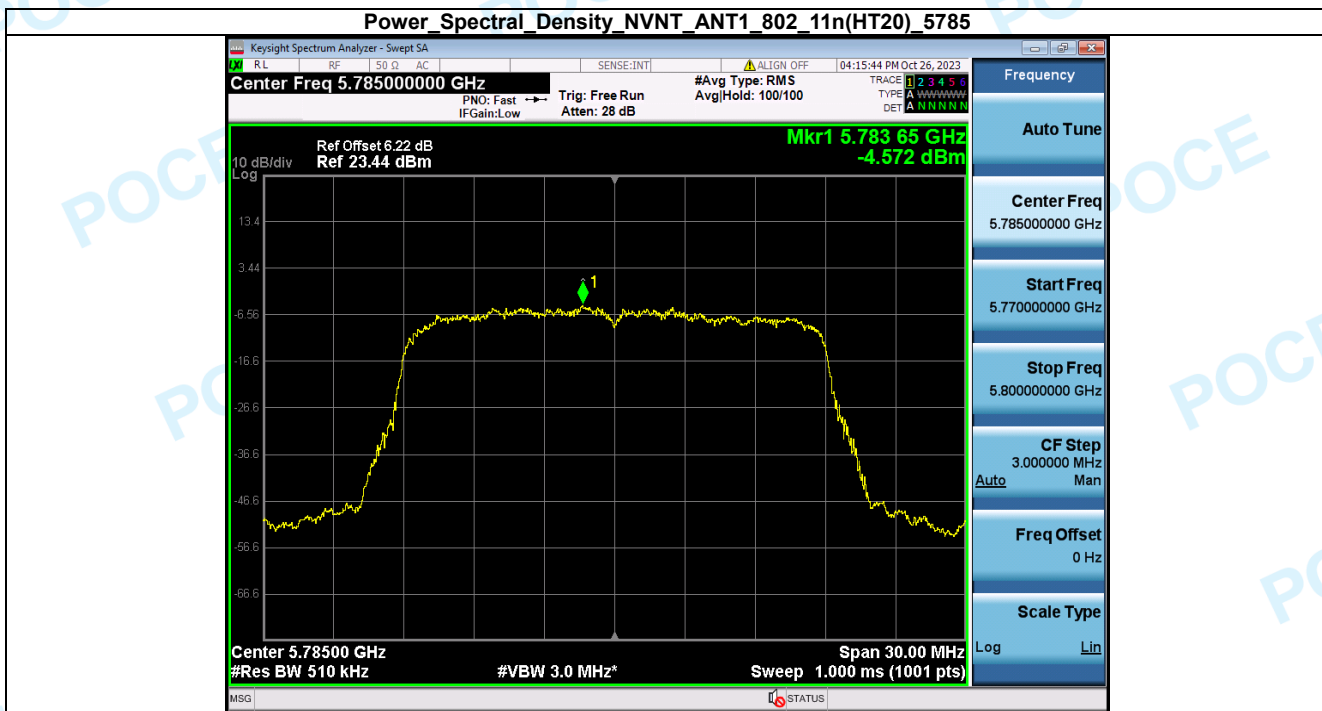
Note: RB factor(dB) = $10 \cdot \log(500K/510K) = -0.086dB$

$PSD_{(dBm/500kHz)} = PSD_{(dBm/510kHz)} + RB \text{ factor} + \text{Duty factor}$

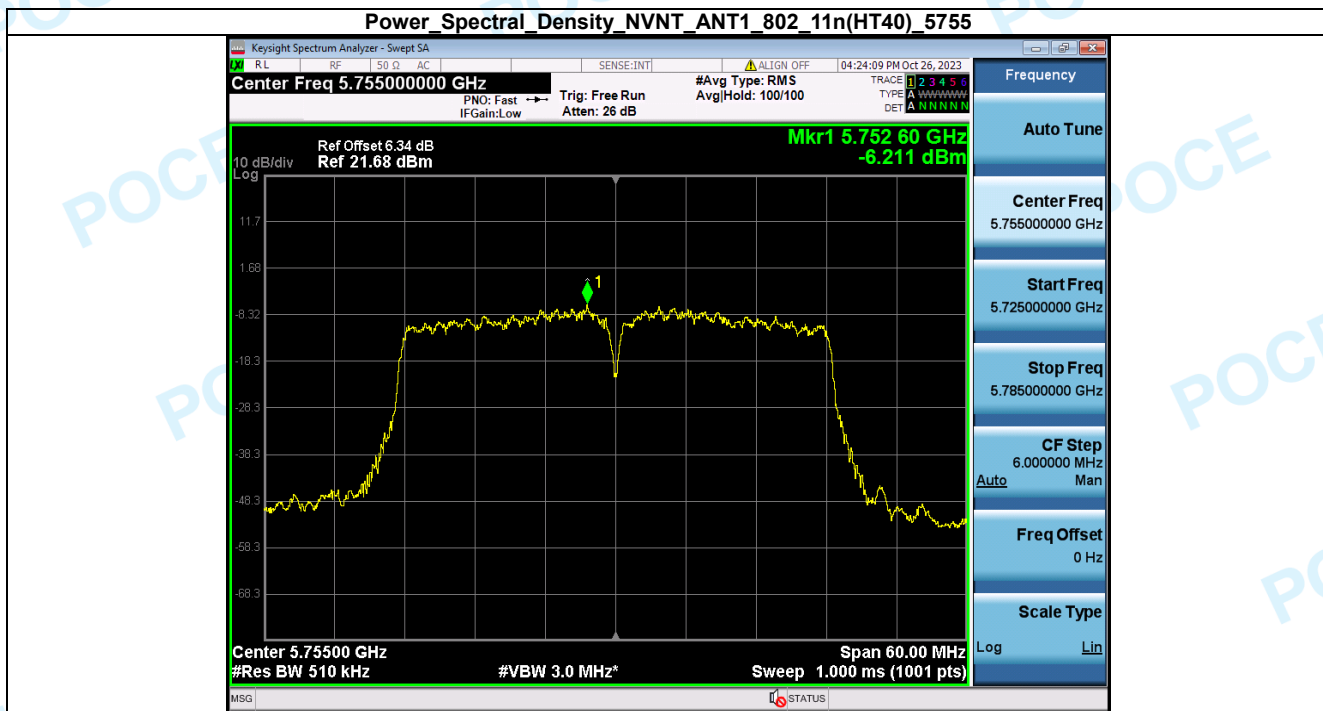
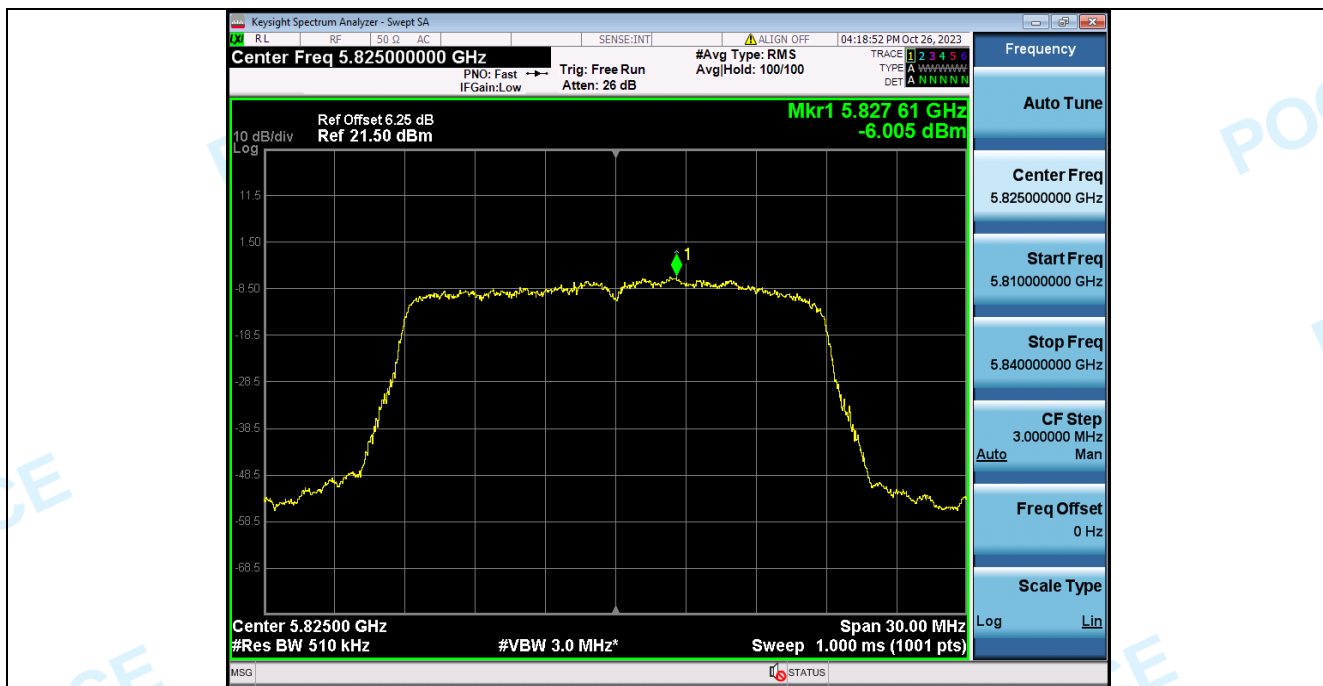




Power Spectral Density NVNT ANT1_802_11n(HT20)_5745



Power Spectral Density NVNT ANT1 802_11n(HT20)_5825



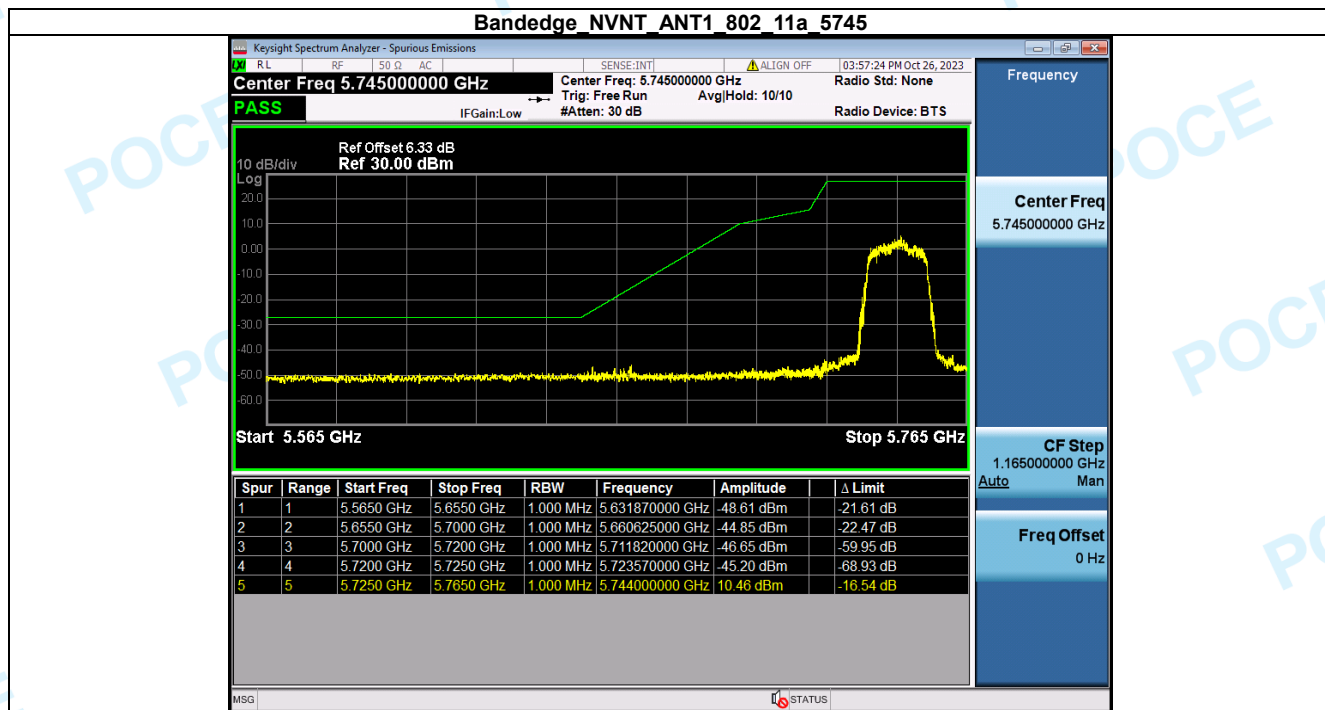
Power Spectral Density NVNT ANT1 802_11n(HT40)_5795



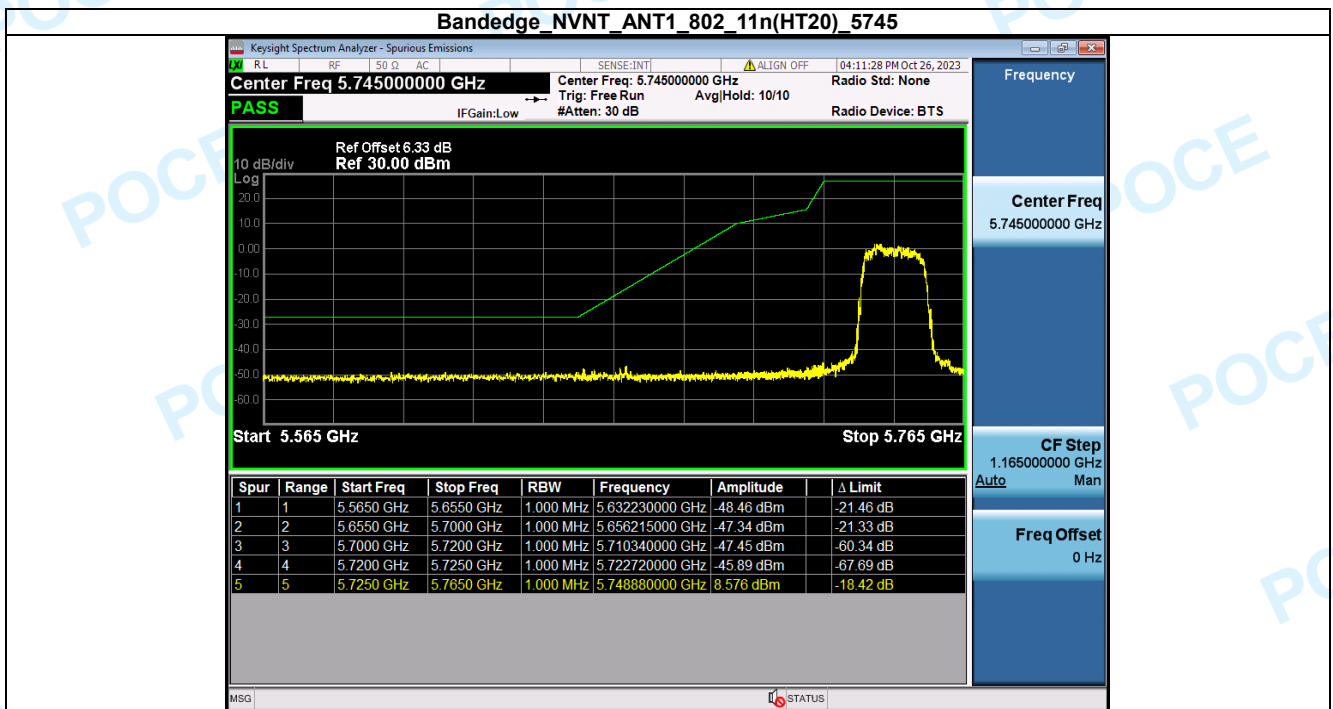
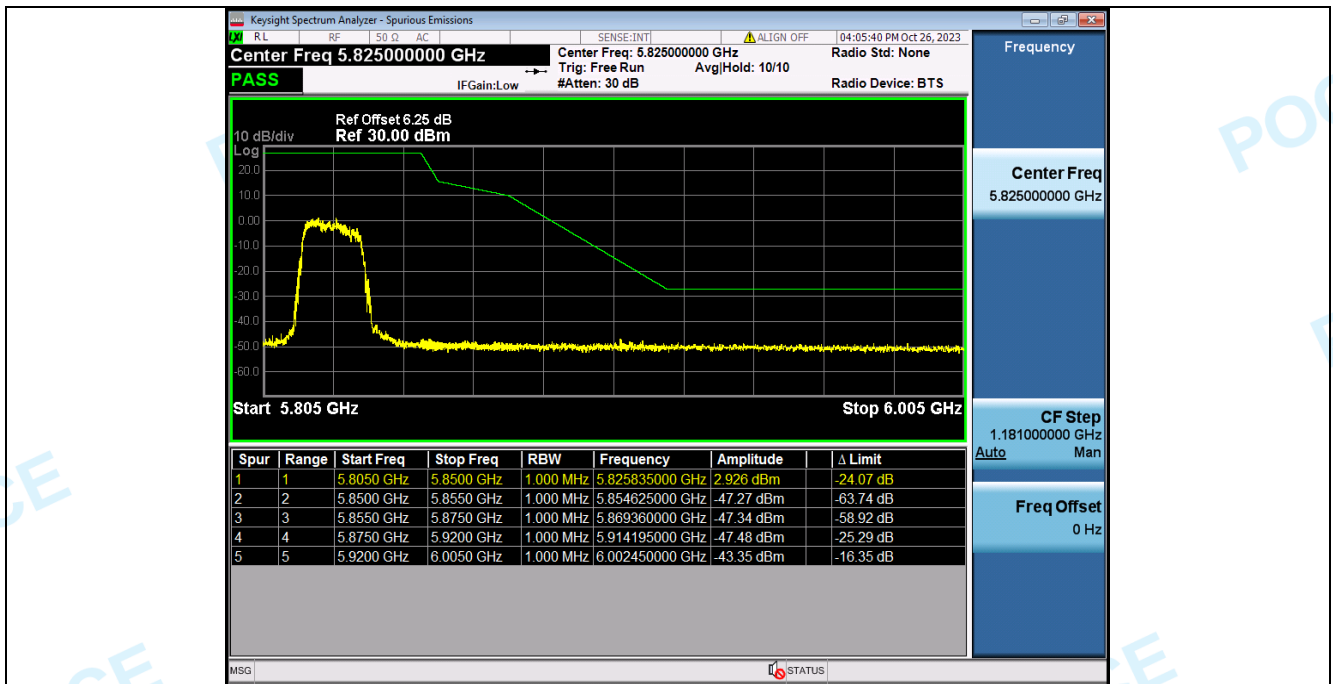
6. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Frequency Area(MHz)	Frequency(MHz)	Amplitude(dBm)	Limit(dBm)	Result
NVNT	ANT1	802.11a	LCH	5565-5655	5631.870	-48.61	-27.00	Pass
NVNT	ANT1	802.11a	LCH	5655-5700	5660.625	-44.85	-22.38	Pass
NVNT	ANT1	802.11a	LCH	5700-5720	5711.820	-46.65	13.31	Pass
NVNT	ANT1	802.11a	LCH	5720-5725	5723.570	-45.20	23.74	Pass
NVNT	ANT1	802.11a	HCH	5850-5855	5854.625	-47.27	16.45	Pass
NVNT	ANT1	802.11a	HCH	5855-5875	5869.360	-47.34	11.58	Pass
NVNT	ANT1	802.11a	HCH	5875-5920	5914.195	-47.48	-22.23	Pass
NVNT	ANT1	802.11a	HCH	5920-6005	6002.450	-43.35	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5565-5655	5632.230	-48.46	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5655-5700	5656.215	-47.34	-26.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5700-5720	5710.340	-47.45	12.90	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5720-5725	5722.720	-45.89	21.80	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5850-5855	5854.375	-47.31	17.02	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5855-5875	5872.200	-47.34	10.78	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5875-5920	5912.800	-45.93	-21.08	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5920-6005	5973.380	-44.23	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5595-5655	5652.900	-48.54	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5655-5700	5666.025	-47.58	-17.94	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5700-5720	5717.640	-36.03	14.94	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5720-5725	5720.850	-39.01	17.54	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5850-5855	5854.160	-46.51	17.52	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5855-5875	5870.460	-44.84	11.27	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5875-5920	5884.945	-46.56	1.82	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5920-5955	5927.630	-44.35	-27.00	Pass

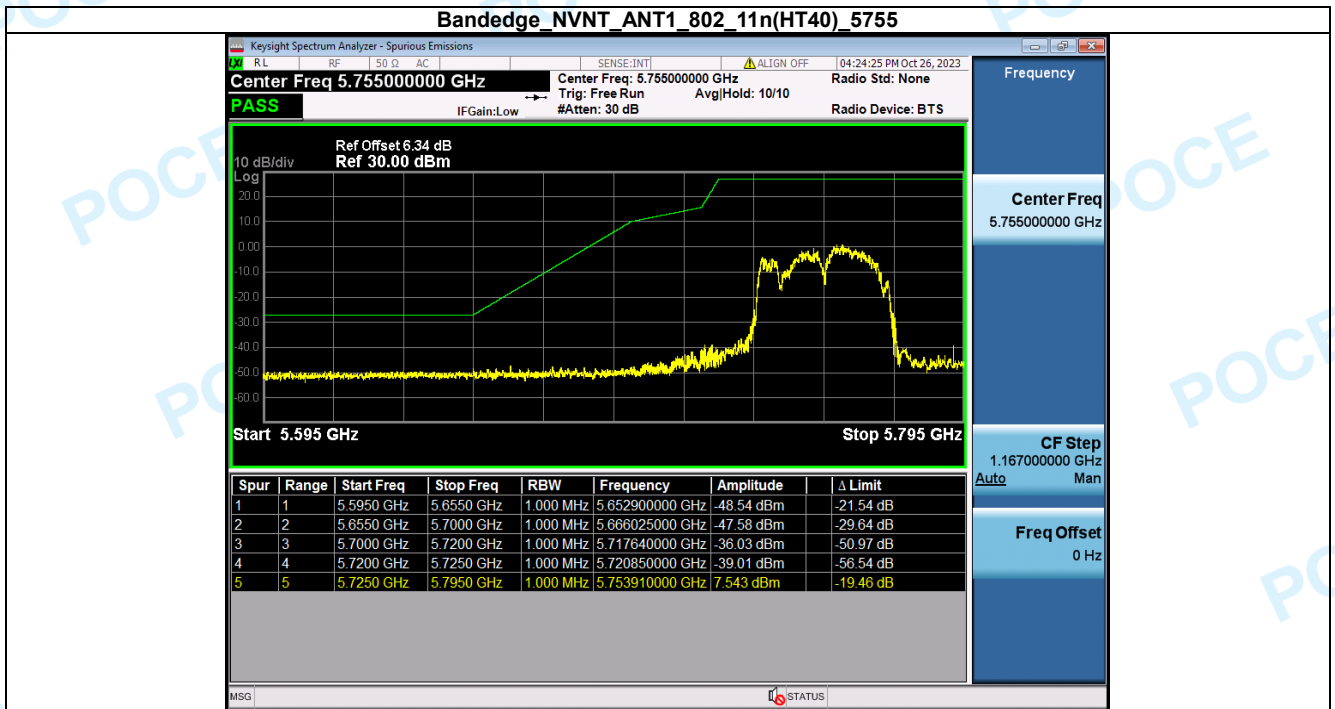
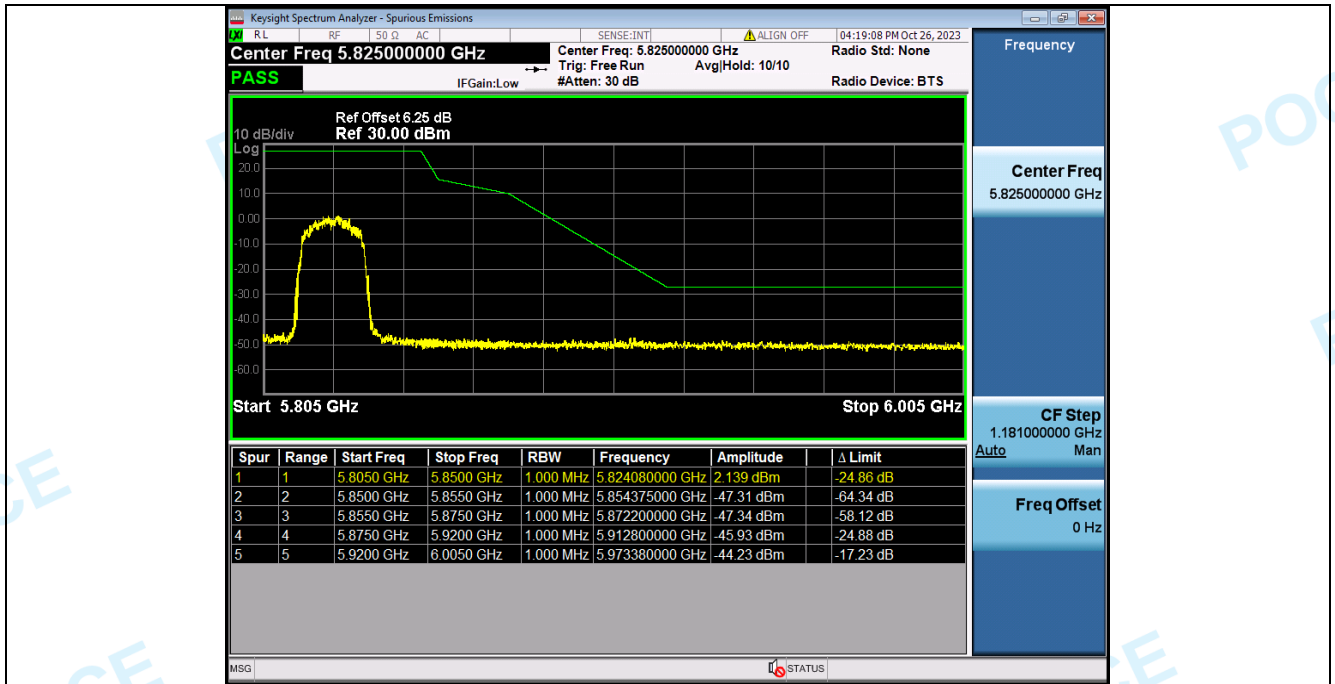
Bandedge NVNT ANT1 802 11a 5745



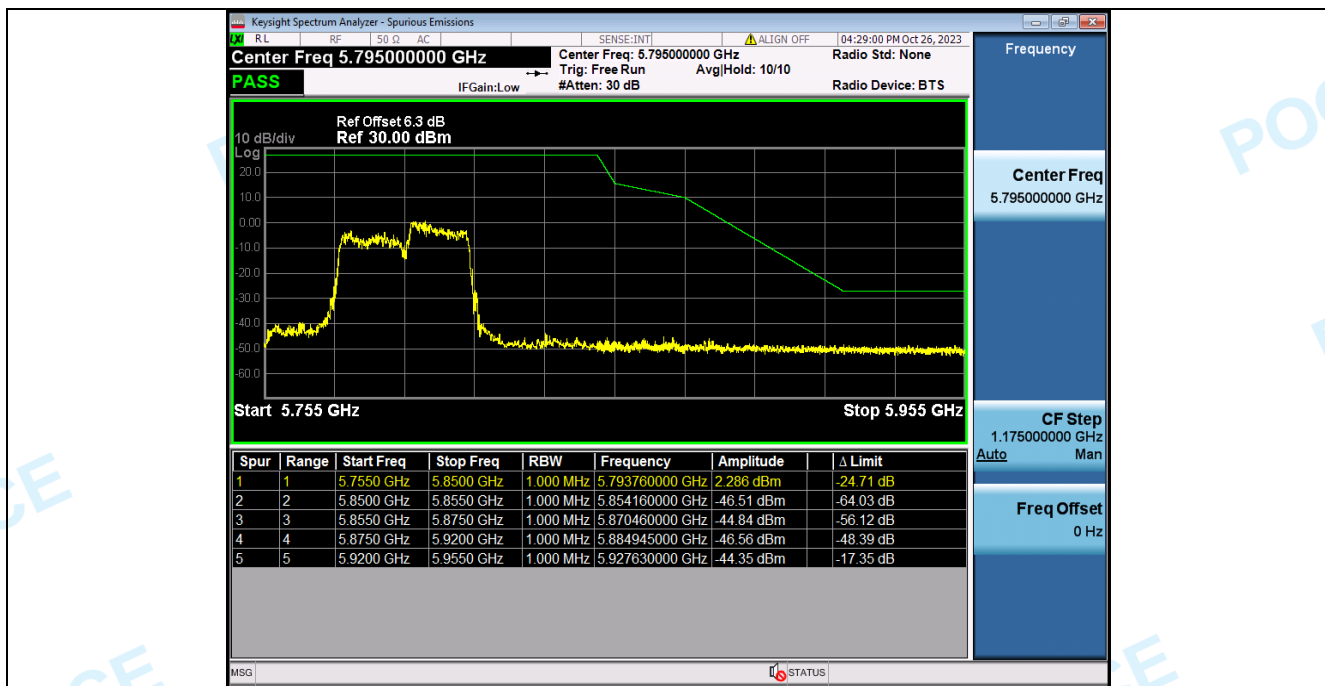
Bandedge_NVNT_ANT1_802_11a_5825



Bandedge NVNT_ANT1_802_11n(HT20)_5825



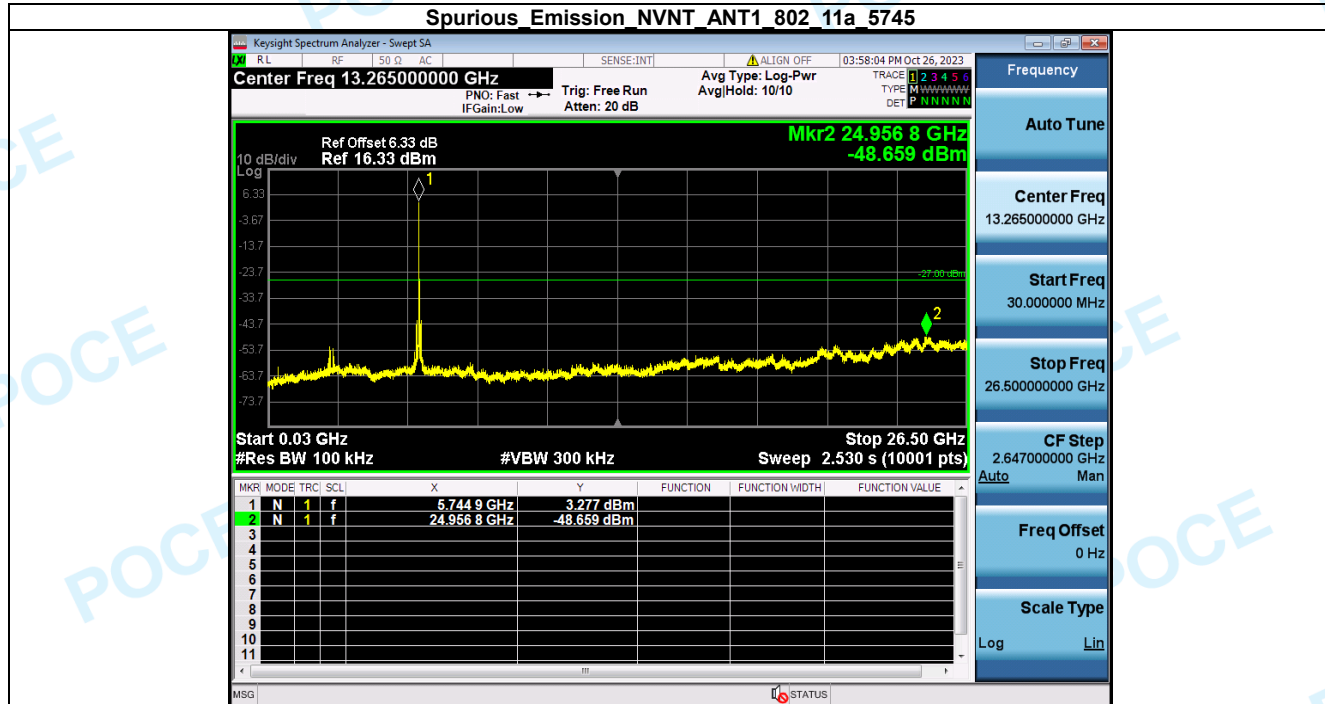
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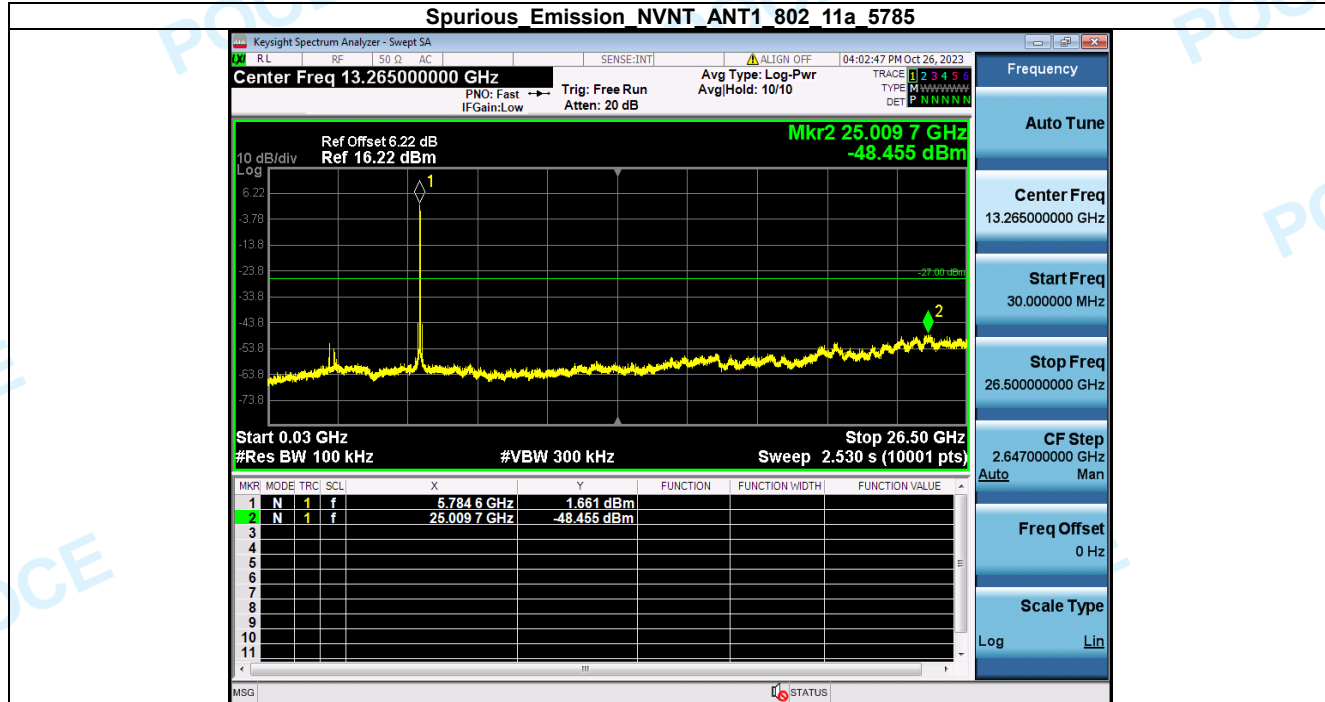
7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5745.00	24956.80	-48.66	-27	Pass
NVNT	ANT1	802.11a	5785.00	25009.74	-48.46	-27	Pass
NVNT	ANT1	802.11a	5825.00	25062.68	-47.82	-27	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	25028.27	-48.25	-27	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	24996.50	-47.80	-27	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	25012.39	-48.29	-27	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	24543.87	-48.45	-27	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	26208.83	-48.67	-27	Pass

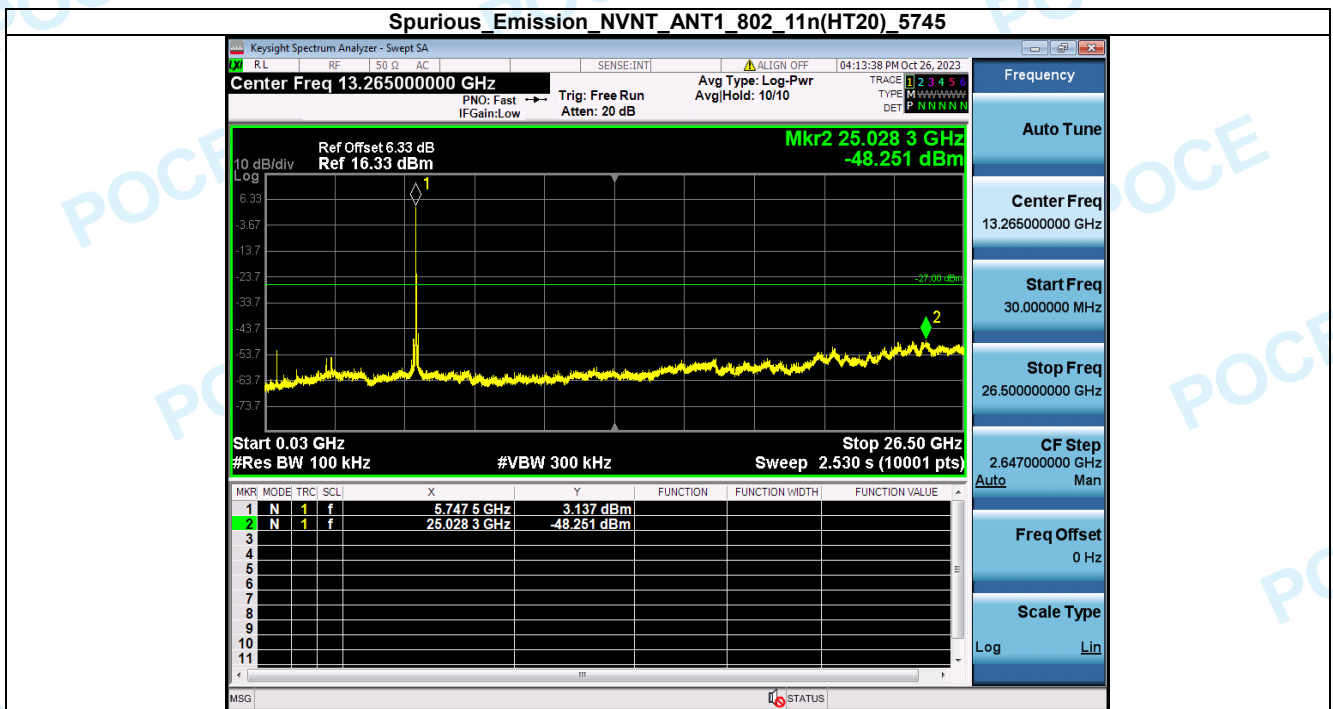
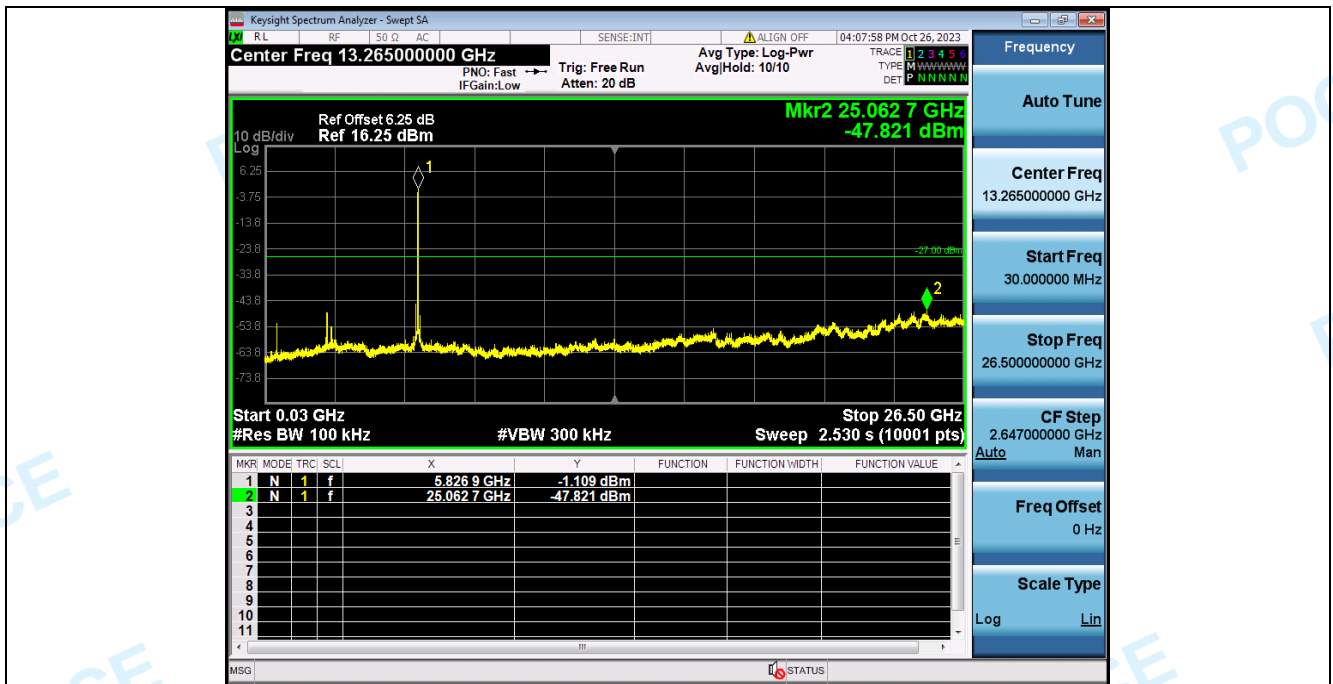
Spurious Emission NVNT ANT1 802 11a 5745



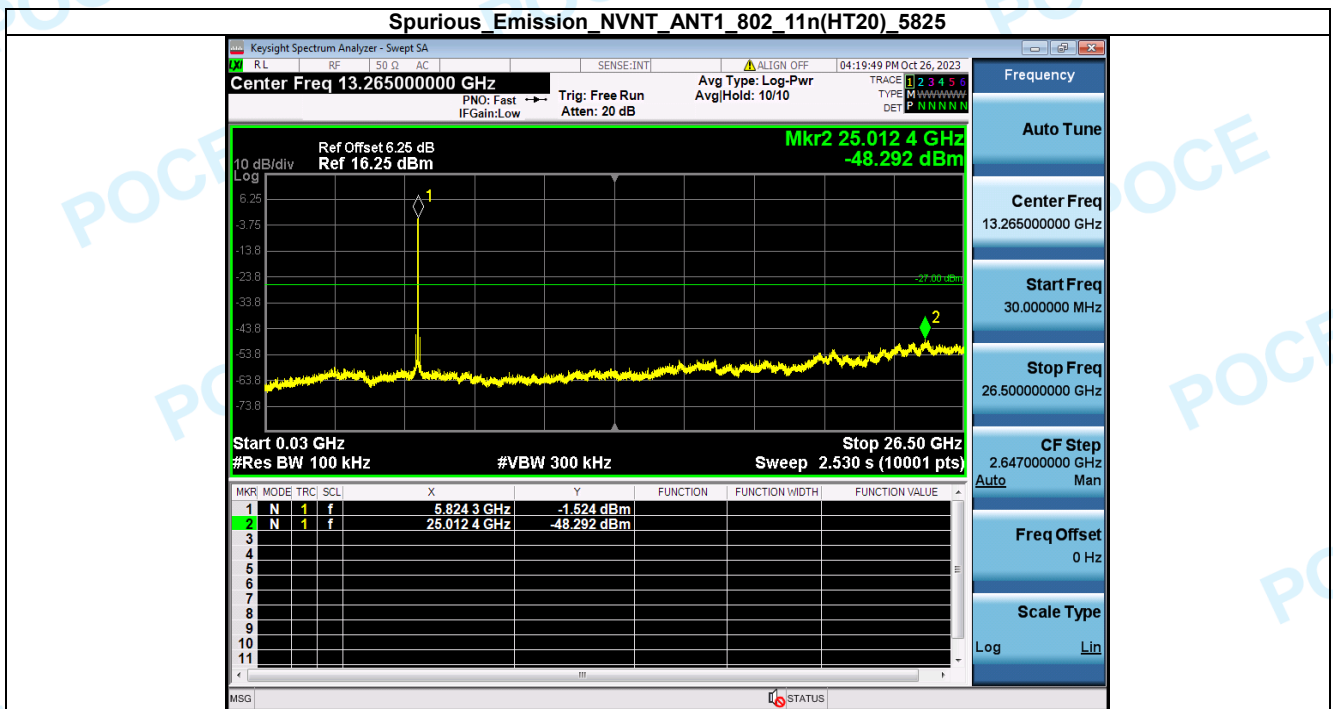
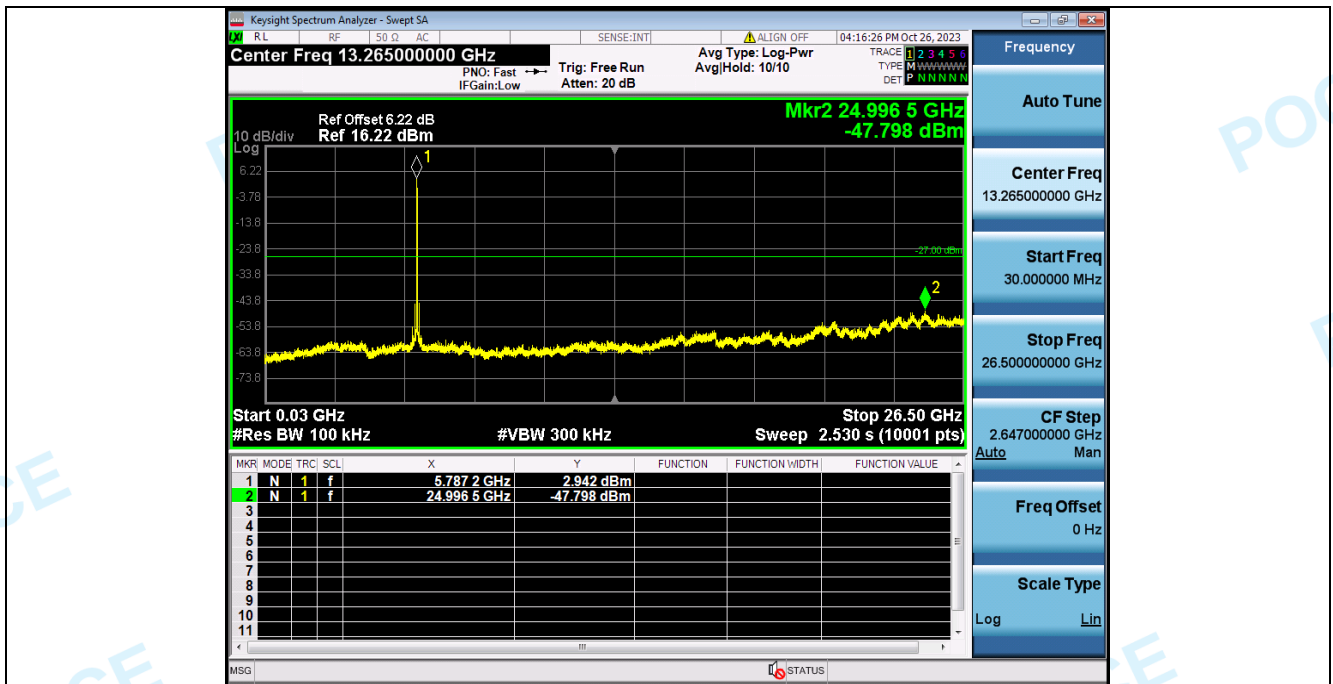
Spurious Emission NVNT ANT1 802 11a 5785



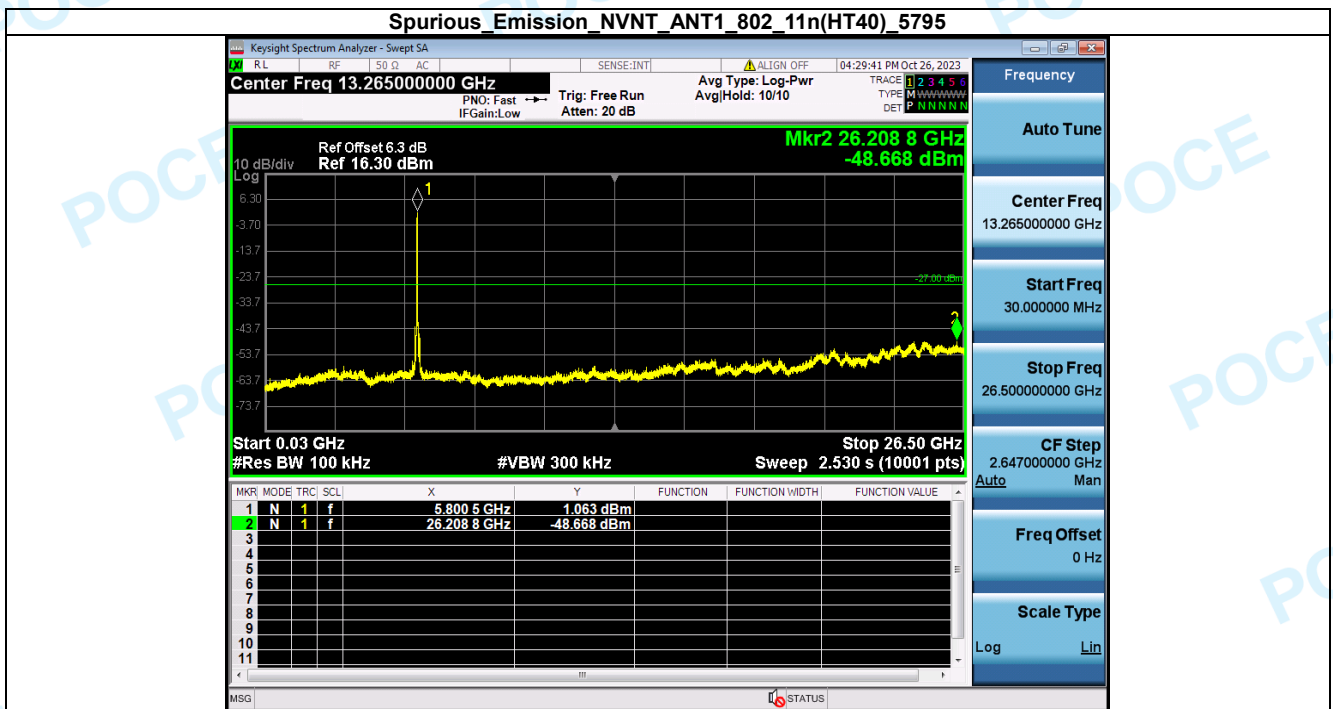
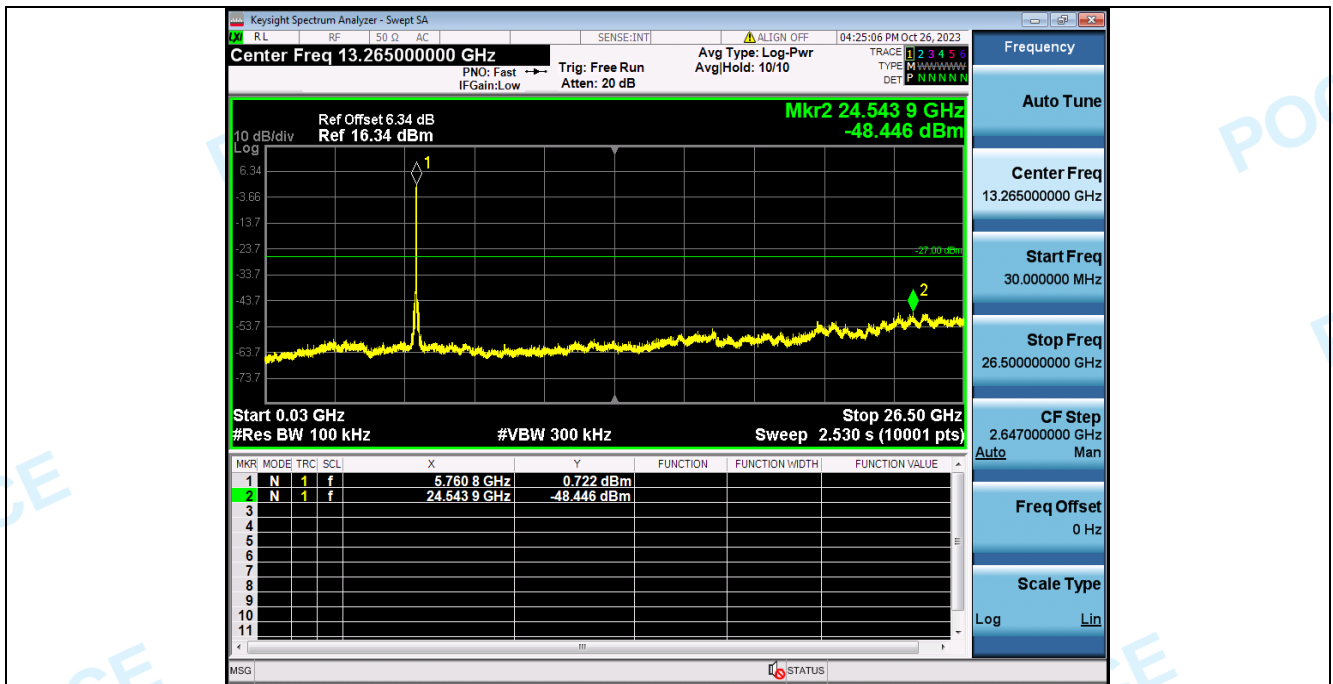
Spurious Emission NVNT ANT1 802 11a 5825



Spurious Emission NVNT_ANT1_802_11n(HT20)_5785



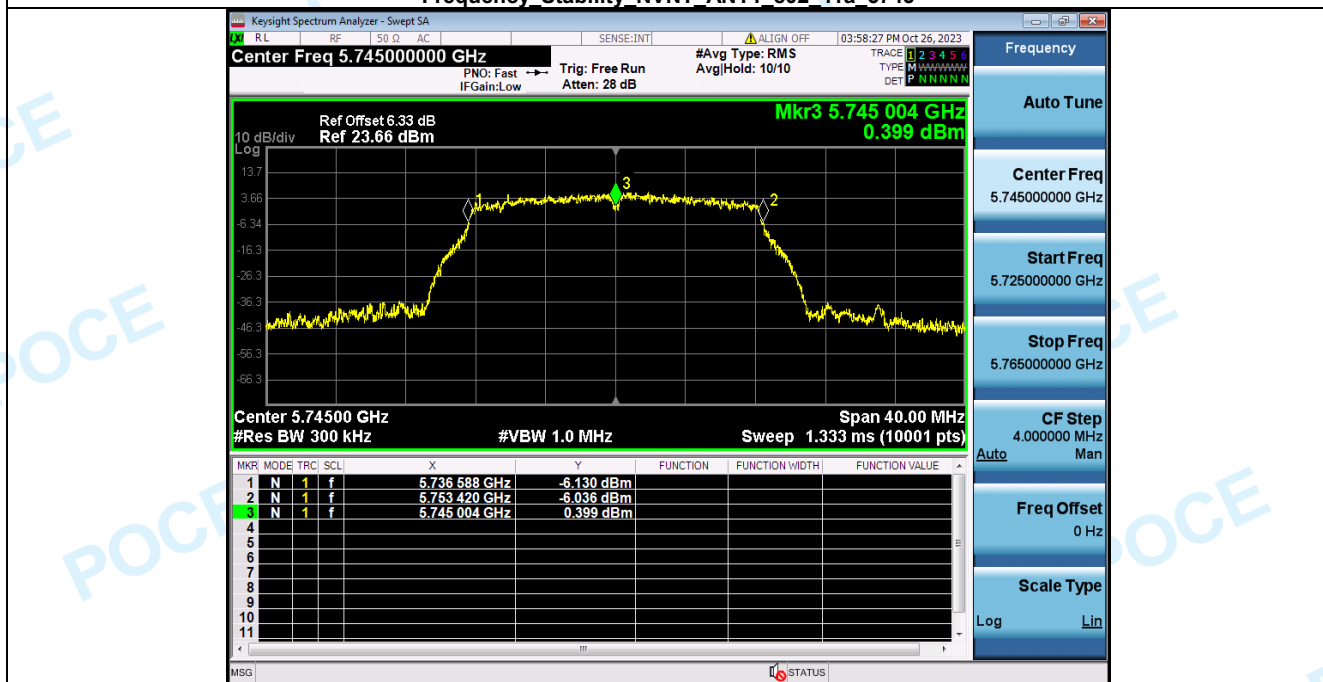
Spurious Emission NVNT_ANT1_802_11n(HT40)_5755



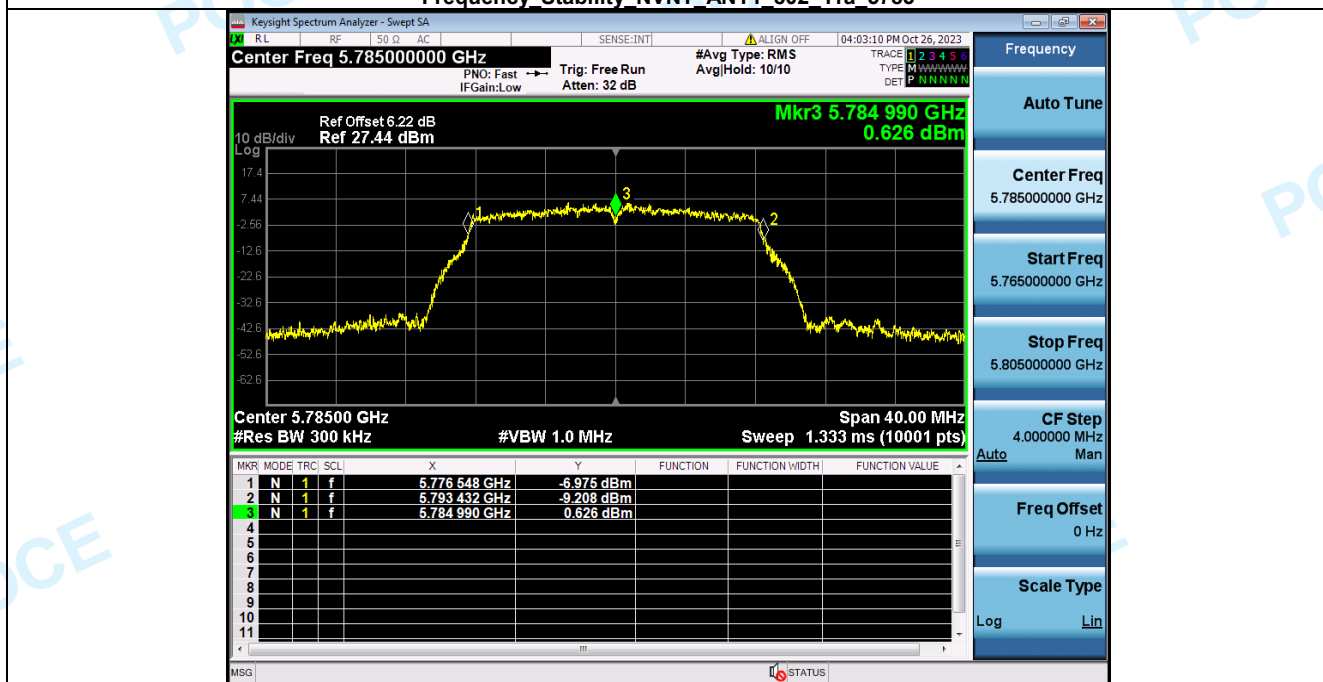
8. Frequency Stability

Condition	Antenna	Modulation	Frequency (MHz)	Fc(MHz)	Fi(MHz)	Fh(MHz)	Limit(MHz)	Result
NVNT	ANT1	802.11a	5745.00	5745.004	5736.588	5753.420	5725~5850	Pass
NVNT	ANT1	802.11a	5785.00	5784.990	5776.548	5793.432	5725~5850	Pass
NVNT	ANT1	802.11a	5825.00	5824.980	5816.536	5833.424	5725~5850	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	5744.976	5736.040	5753.912	5725~5850	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	5785.004	5776.064	5793.944	5725~5850	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	5824.976	5816.048	5833.904	5725~5850	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	5754.996	5736.848	5773.144	5725~5850	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	5794.980	5776.800	5813.160	5725~5850	Pass

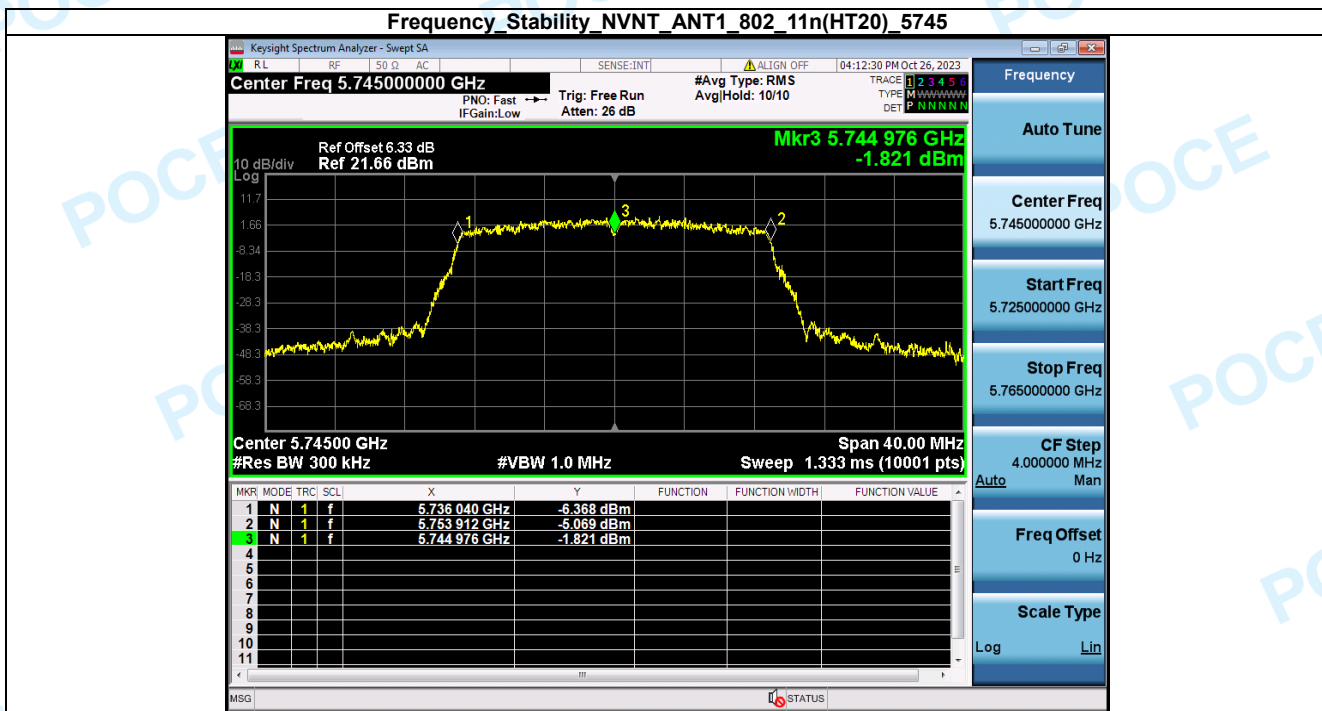
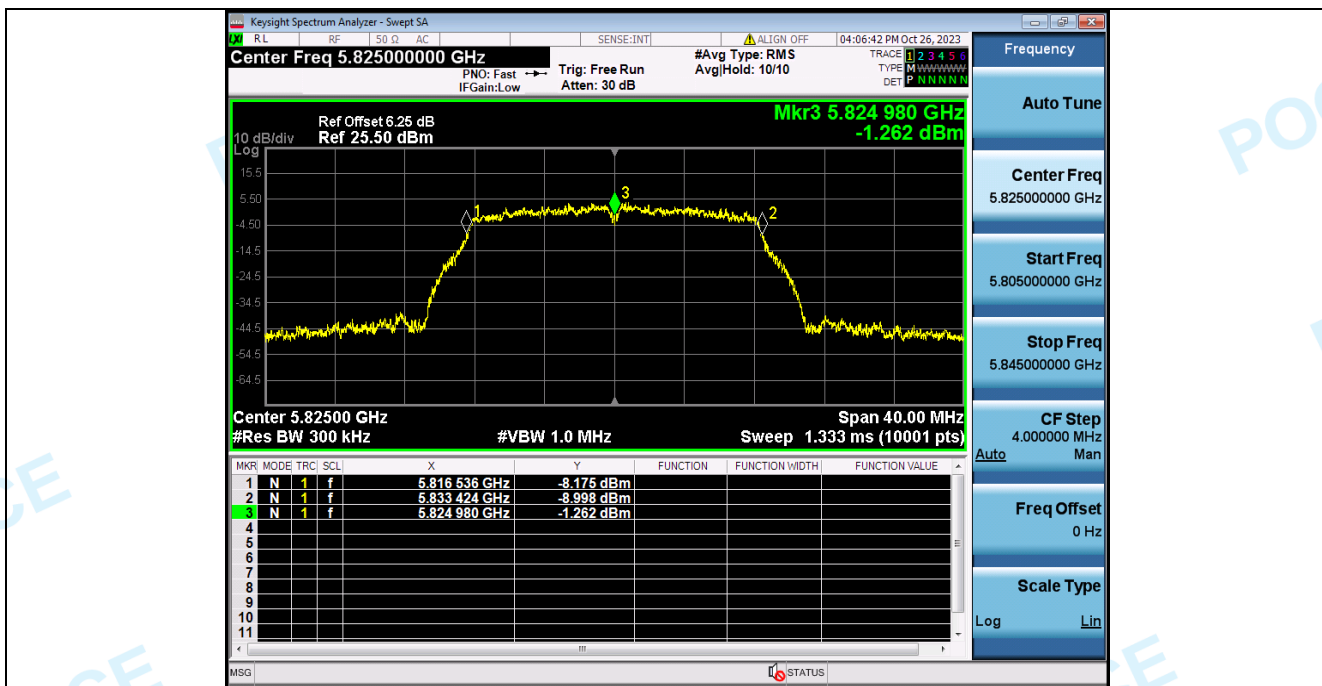
Frequency Stability NVNT ANT1 802 11a 5745



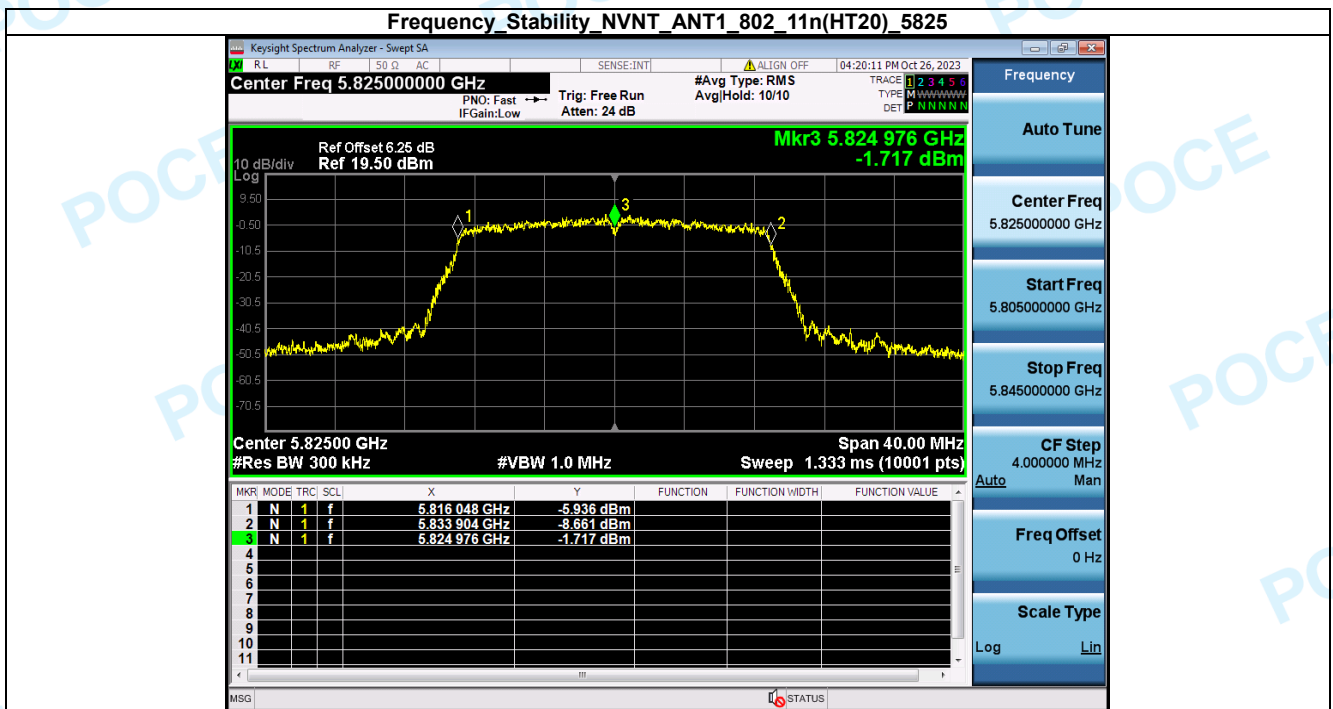
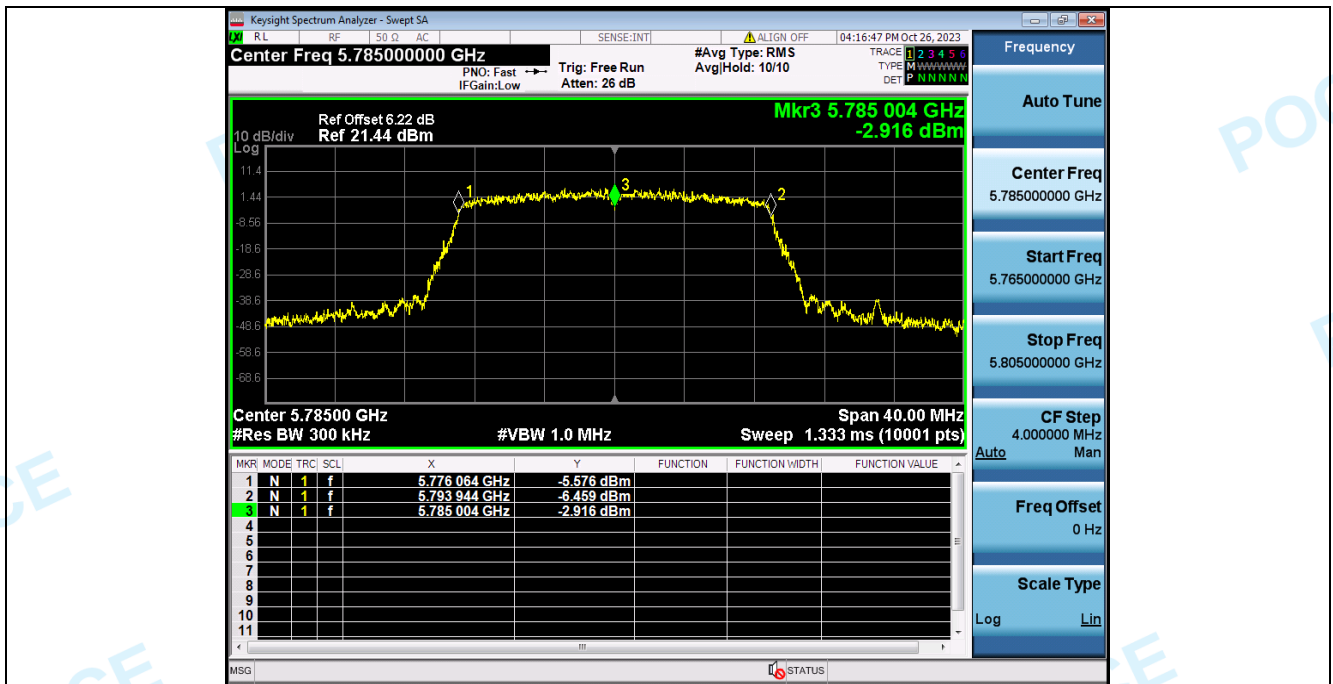
Frequency Stability NVNT ANT1 802 11a 5785



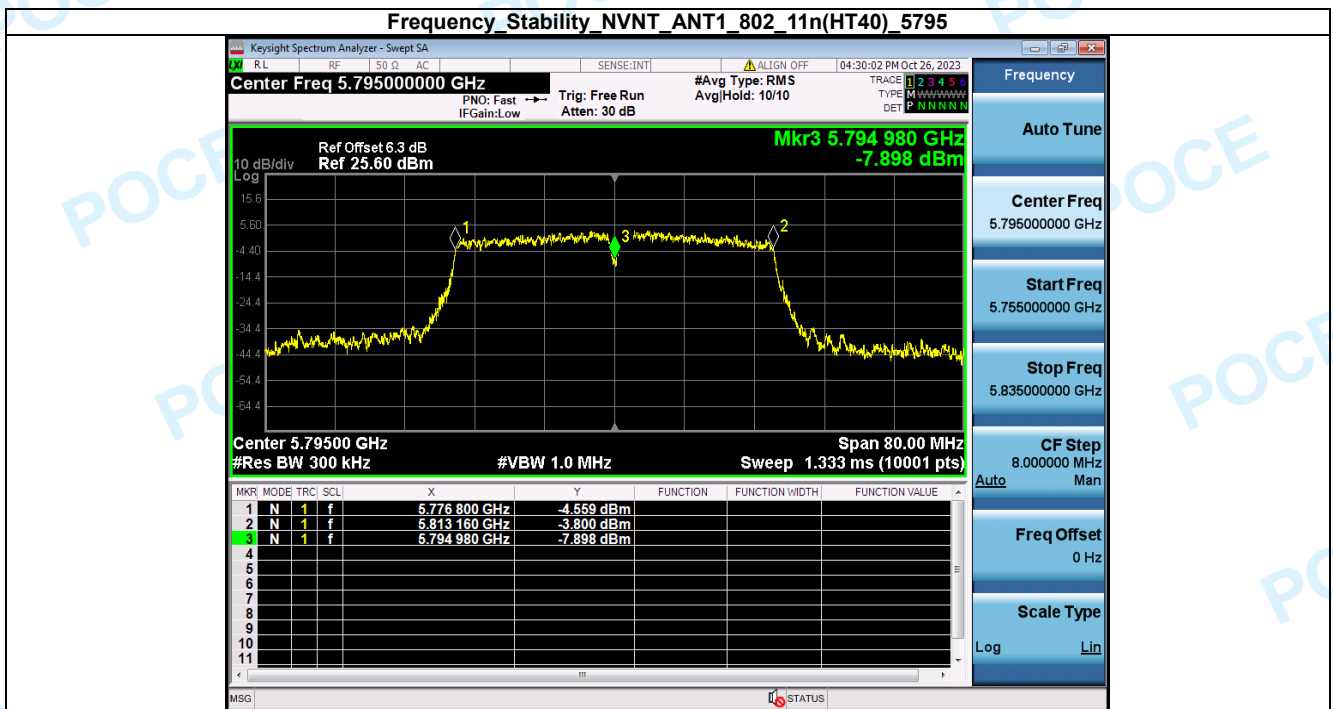
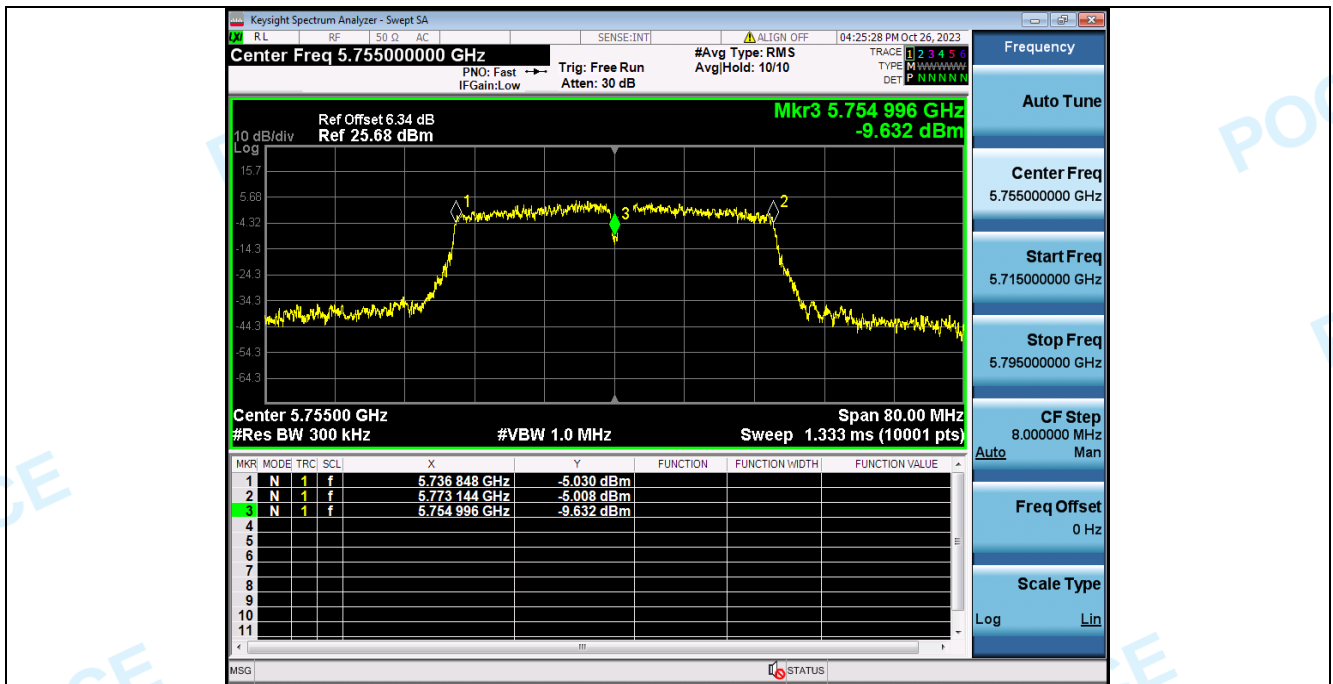
Frequency Stability NVNT ANT1 802 11a 5825



Frequency Stability NVNT_ANT1_802_11n(HT20)_5785



Frequency Stability NVNT_ANT1_802_11n(HT40)_5755



***** End of Report *****