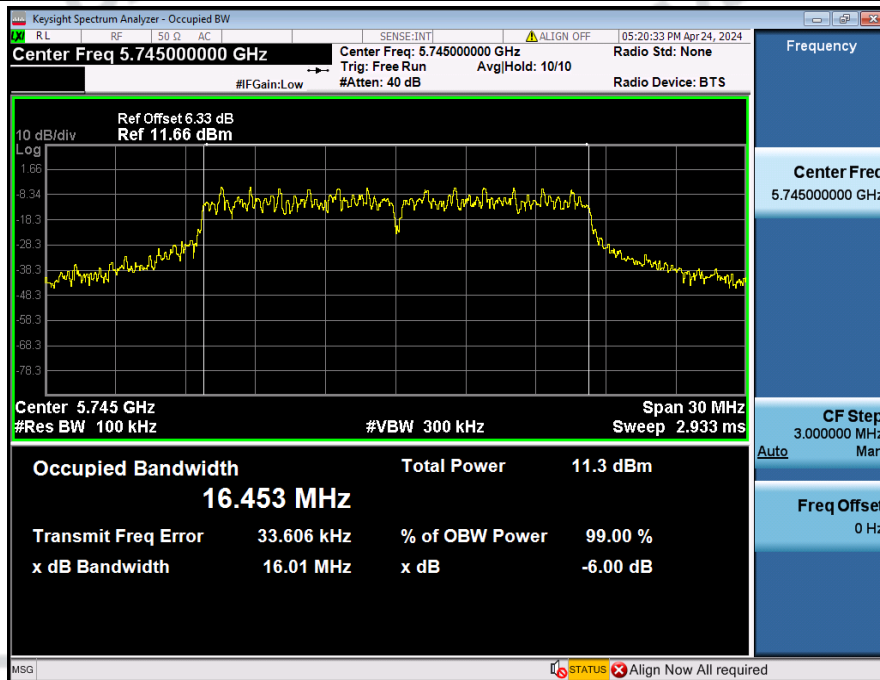


Appendix-5.8GWIFI

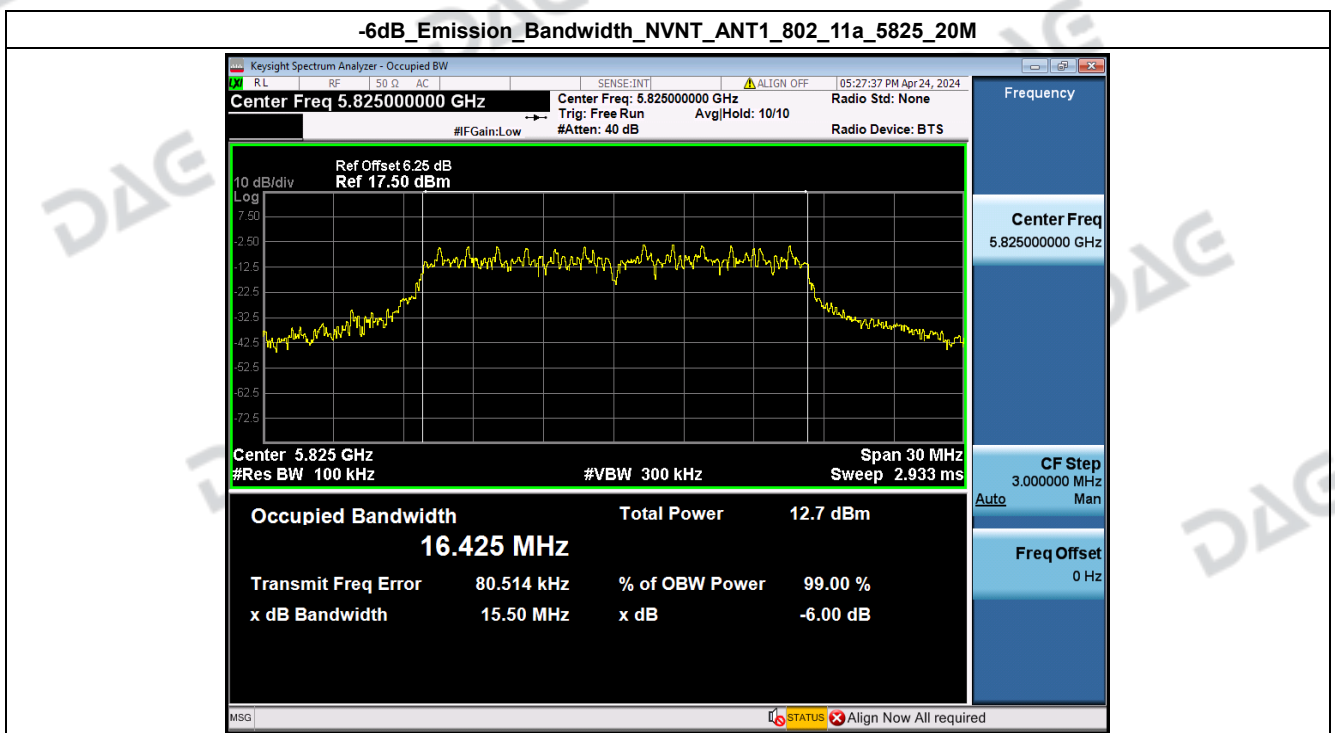
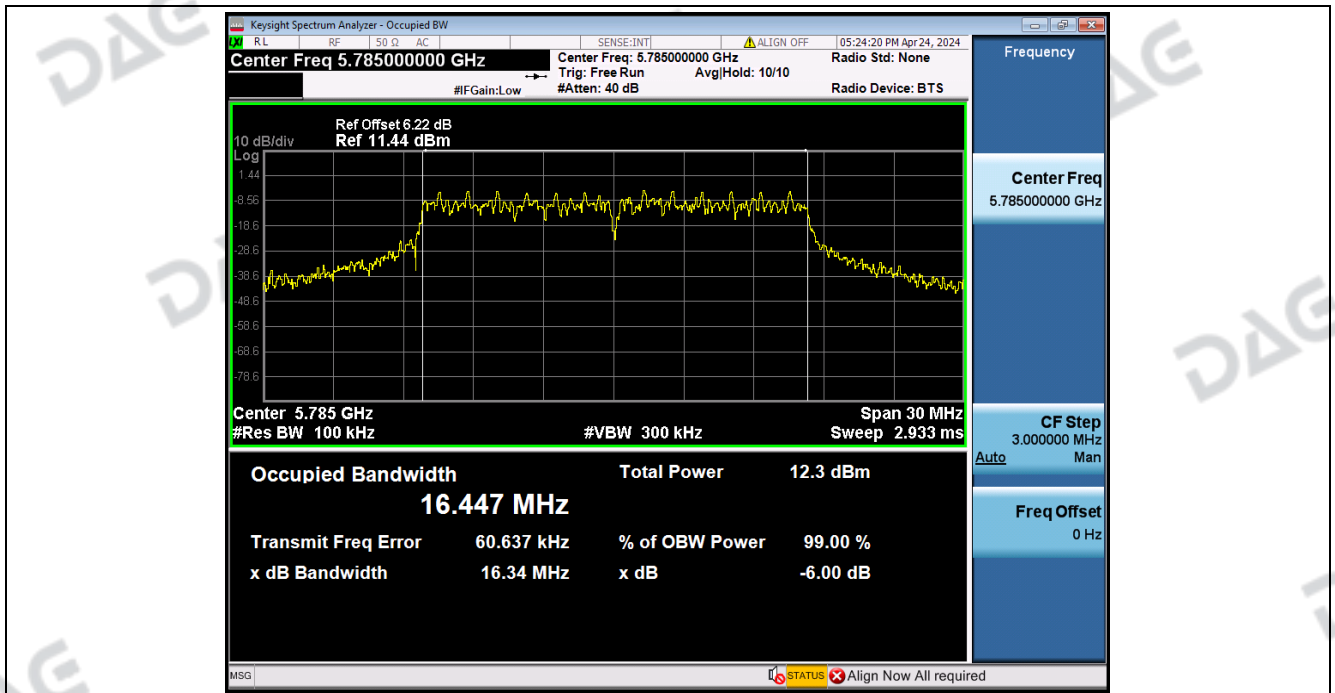
1. -6dB Emission Bandwidth

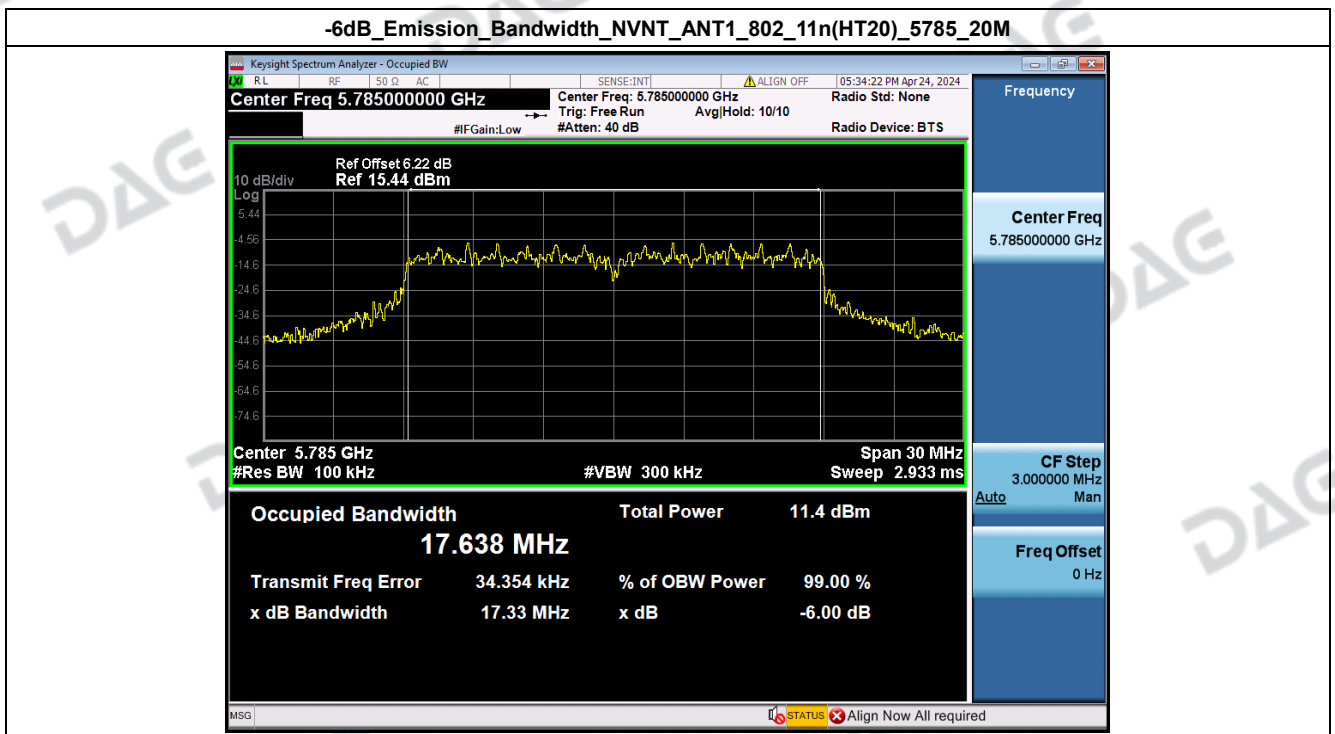
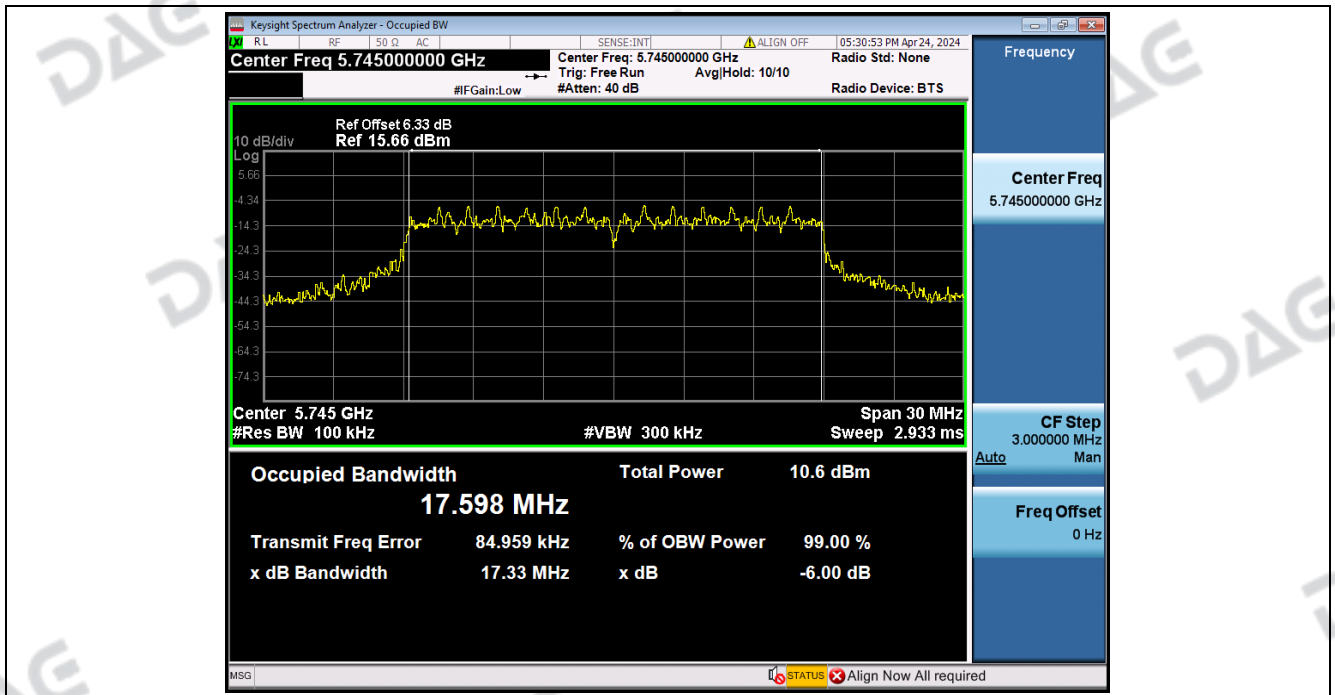
Condition	Antenna	Mode	Frequency(MHz)	-6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	802.11a	5745.00	16.013	0.500	Pass
NVNT	ANT1	802.11a	5785.00	16.340	0.500	Pass
NVNT	ANT1	802.11a	5825.00	15.505	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	17.326	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	17.329	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	17.334	0.500	Pass

-6dB_Emission_Bandwidth_NVNT_ANT1_802_11a_5745_20M

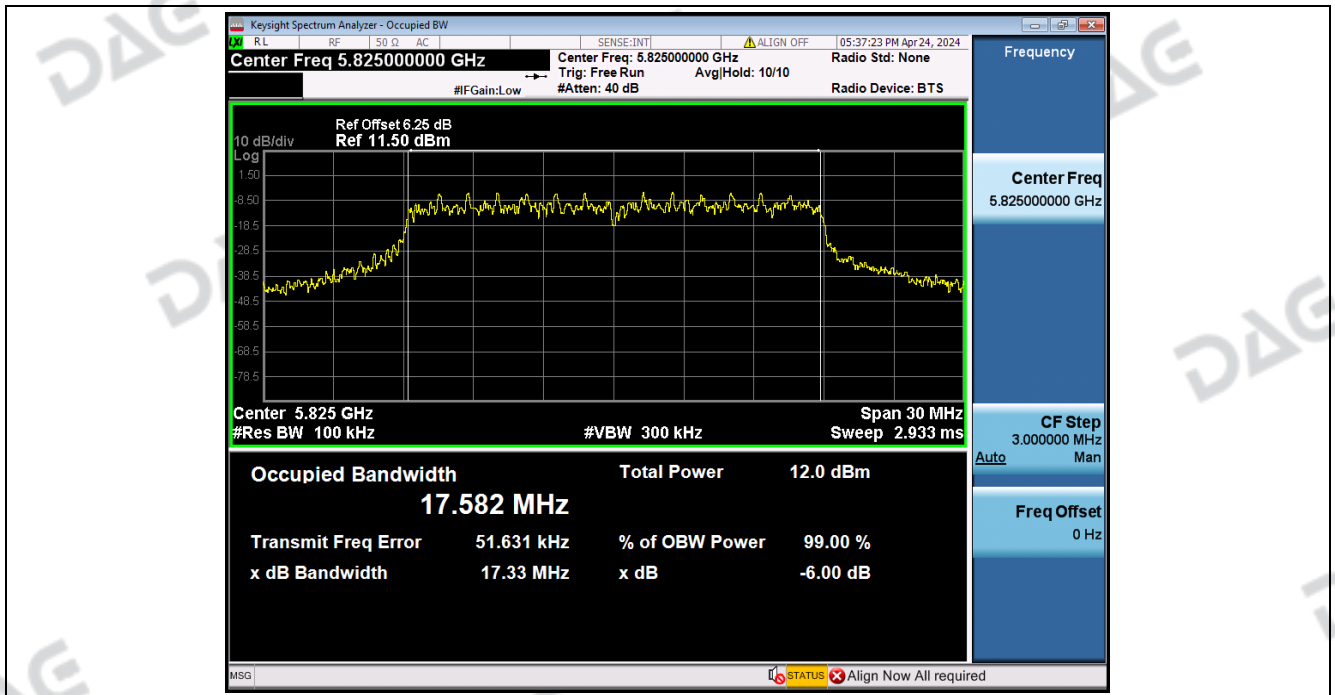


-6dB_Emission_Bandwidth_NVNT_ANT1_802_11a_5785_20M





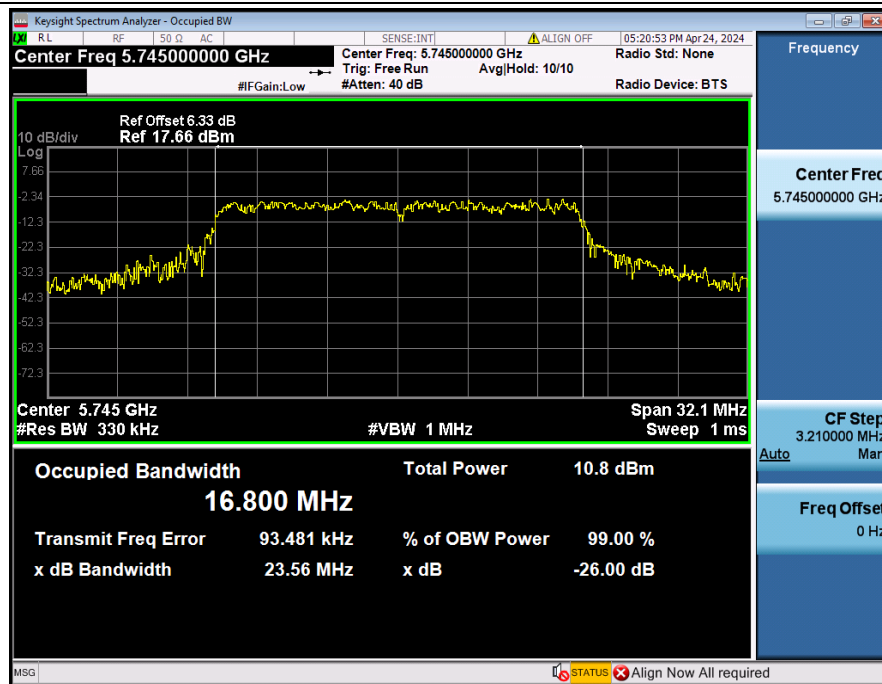
-6dB_Emission_Bandwidth_NVNT_ANT1_802_11n(HT20)_5825_20M



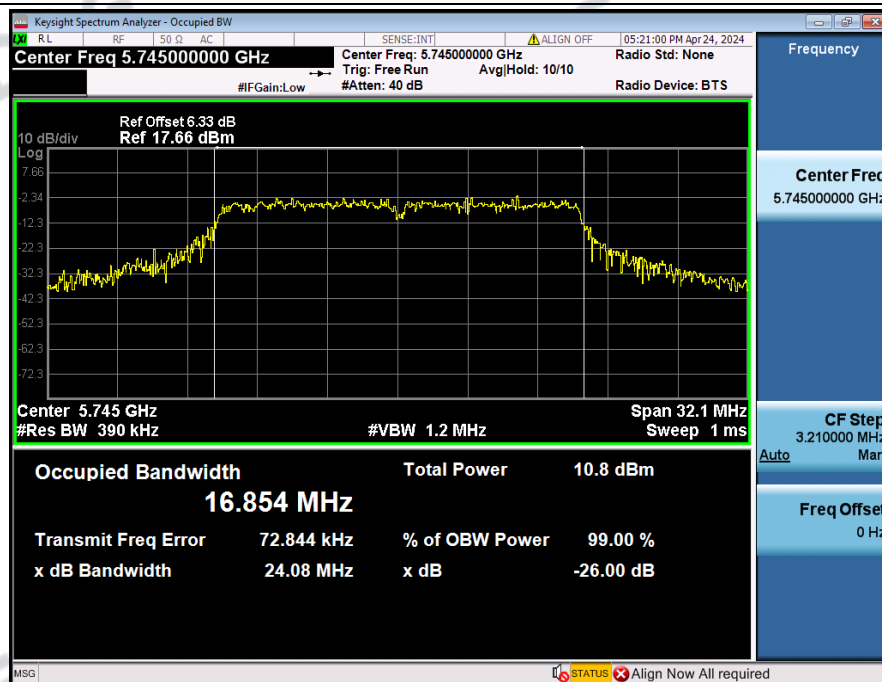
2. -26dB and 99% Emission Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-26dB_Emission_Bandwidth (MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5745.00	24.08	16.80
NVNT	ANT1	802.11a	5785.00	24.41	16.72
NVNT	ANT1	802.11a	5825.00	23.95	16.75
NVNT	ANT1	802.11n(HT20)	5745.00	24.86	17.87
NVNT	ANT1	802.11n(HT20)	5785.00	24.90	17.90
NVNT	ANT1	802.11n(HT20)	5825.00	23.26	17.74

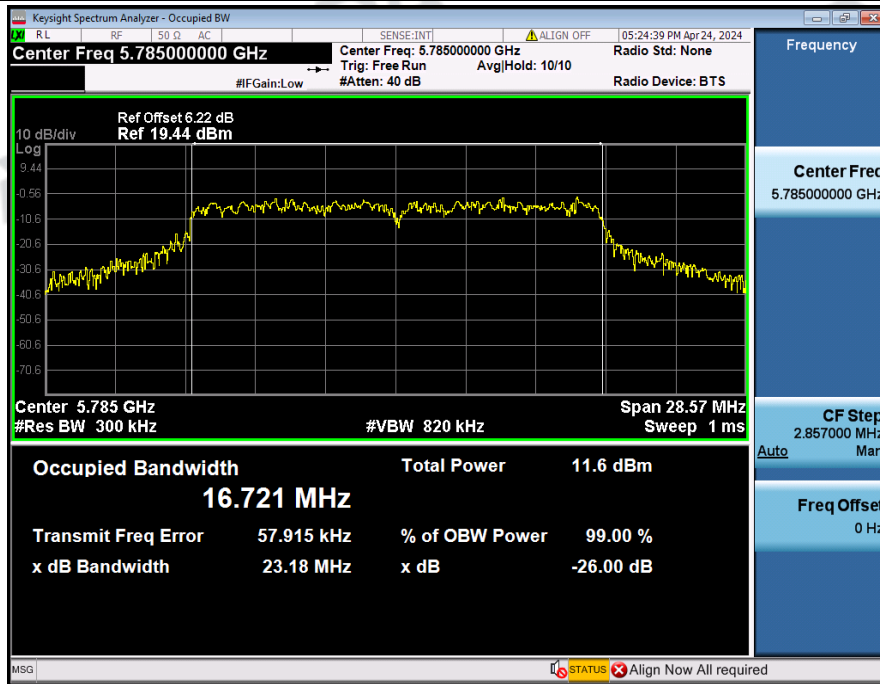
99%_OCB_NVNT_ANT1_802_11a_5745



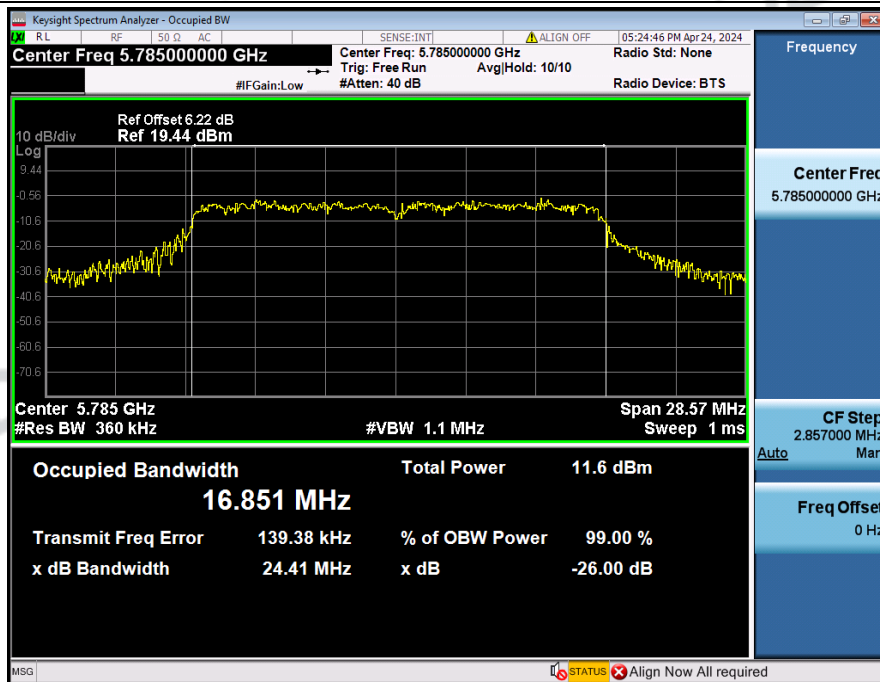
-26BW_NVNT_ANT1_802_11a_5745



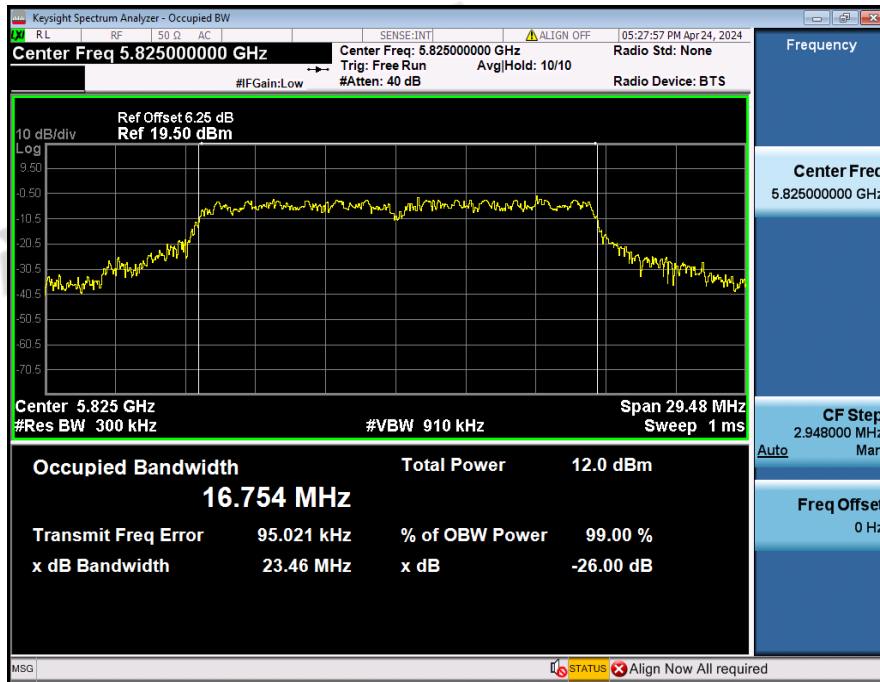
99%_OCB_NVNT_ANT1_802_11a_5785



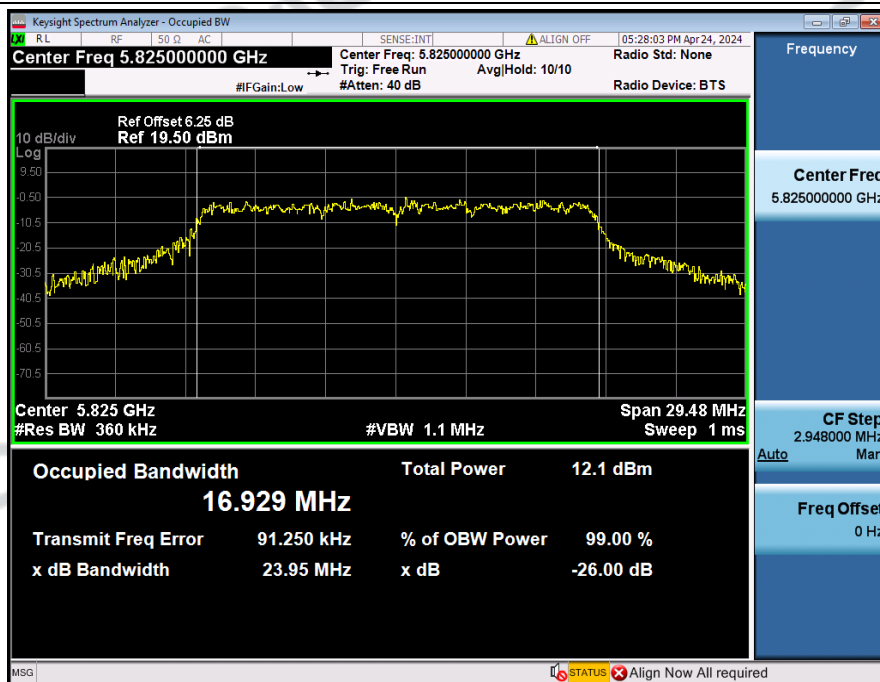
-26BW_NVNT_ANT1_802_11a_5785



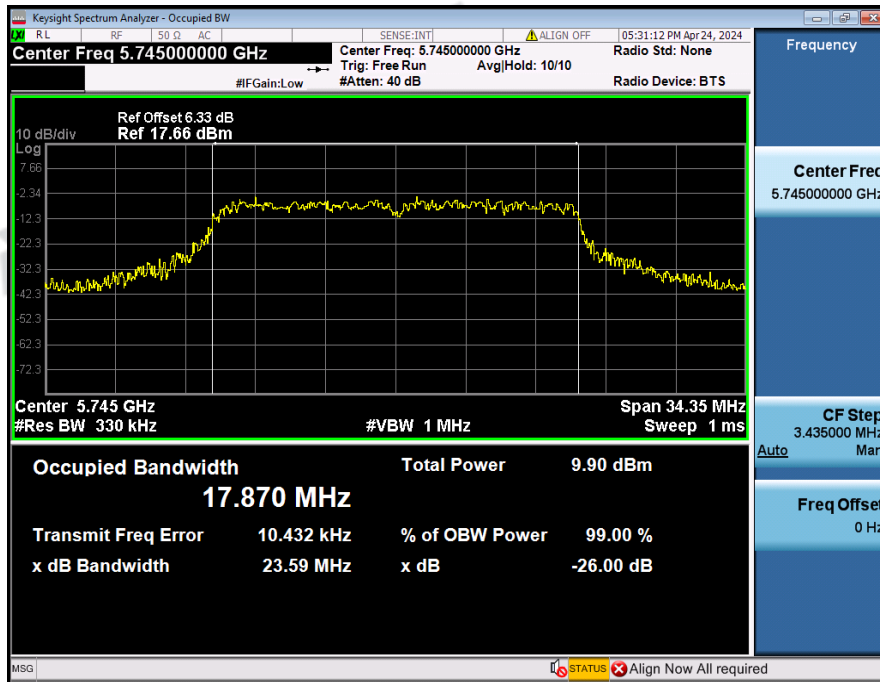
99%_OCB_NVNT_ANT1_802_11a_5825



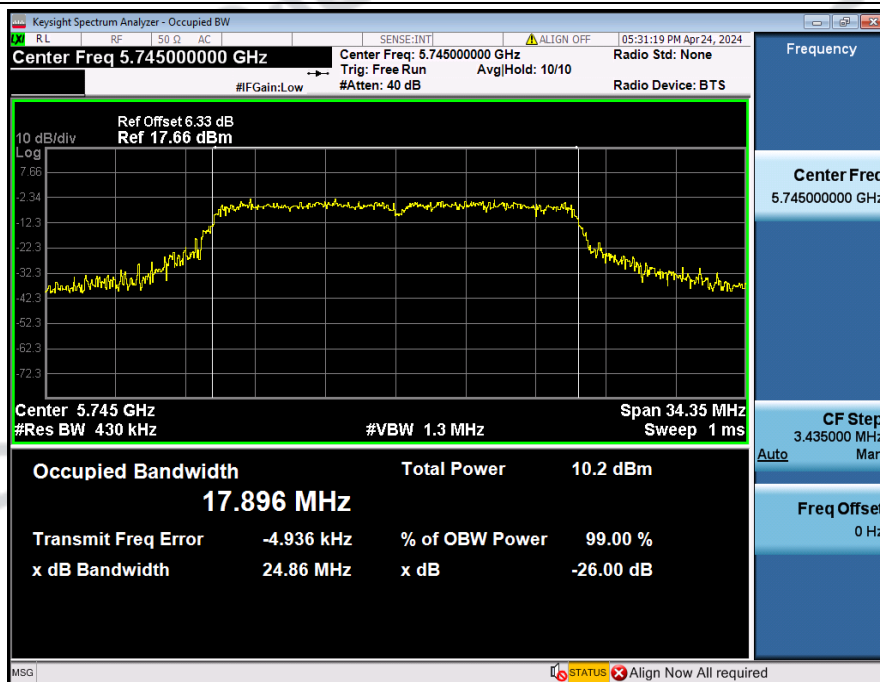
-26BW_NVNT_ANT1_802_11a_5825



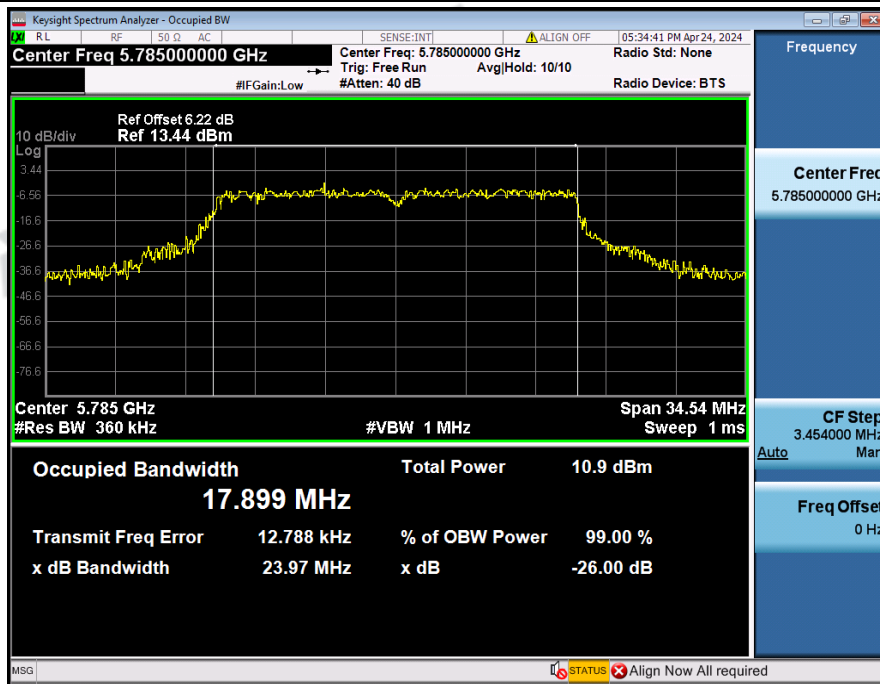
99%_OCB_NVNT_ANT1_802_11n(HT20)_5745



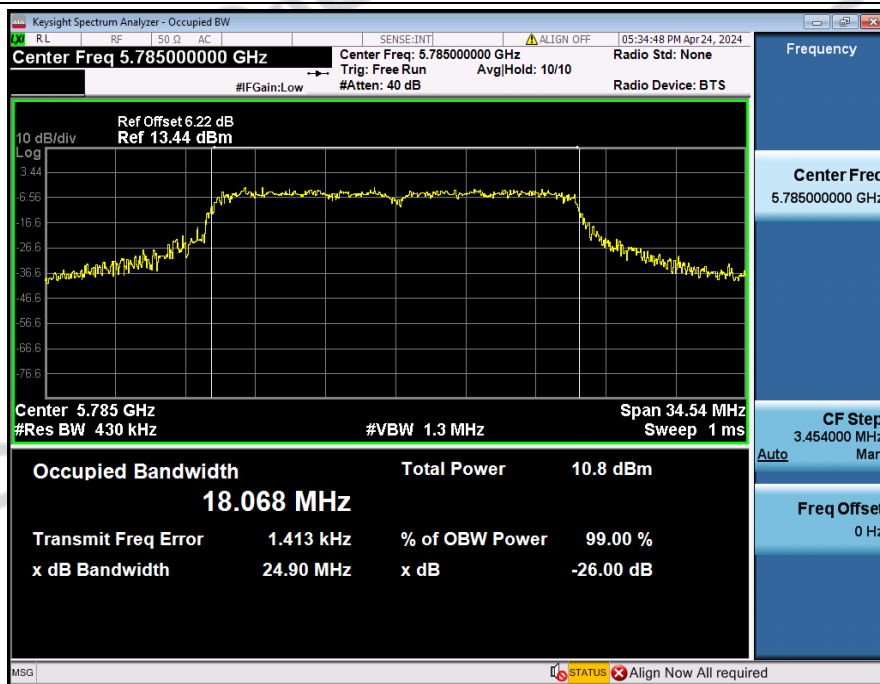
-26BW_NVNT_ANT1_802_11n(HT20)_5745



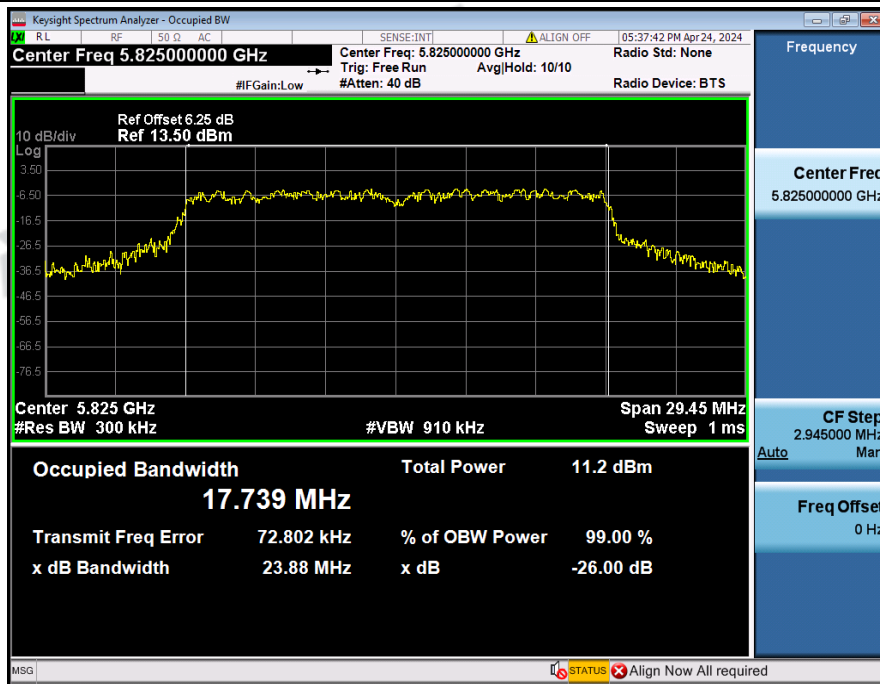
99%_OCB_NVNT_ANT1_802_11n(HT20)_5785



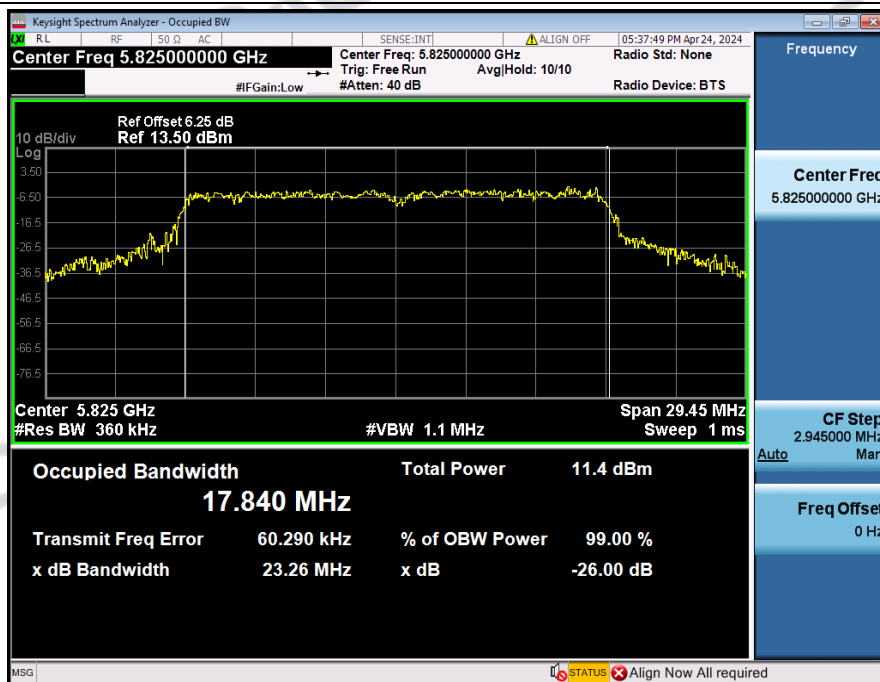
-26BW_NVNT_ANT1_802_11n(HT20)_5785



99%_OCB_NVNT_ANT1_802_11n(HT20)_5825



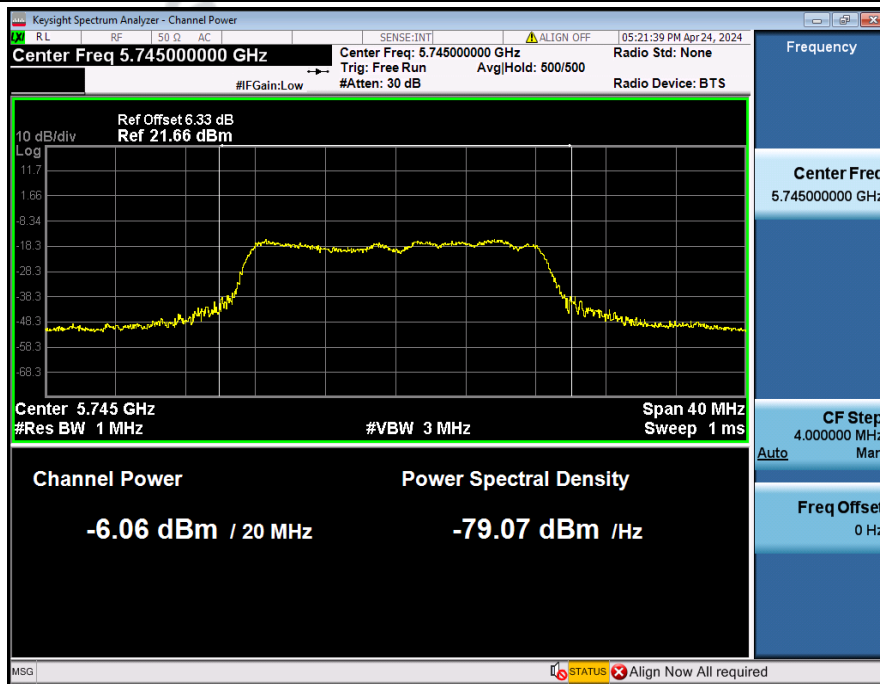
-26BW_NVNT_ANT1_802_11n(HT20)_5825



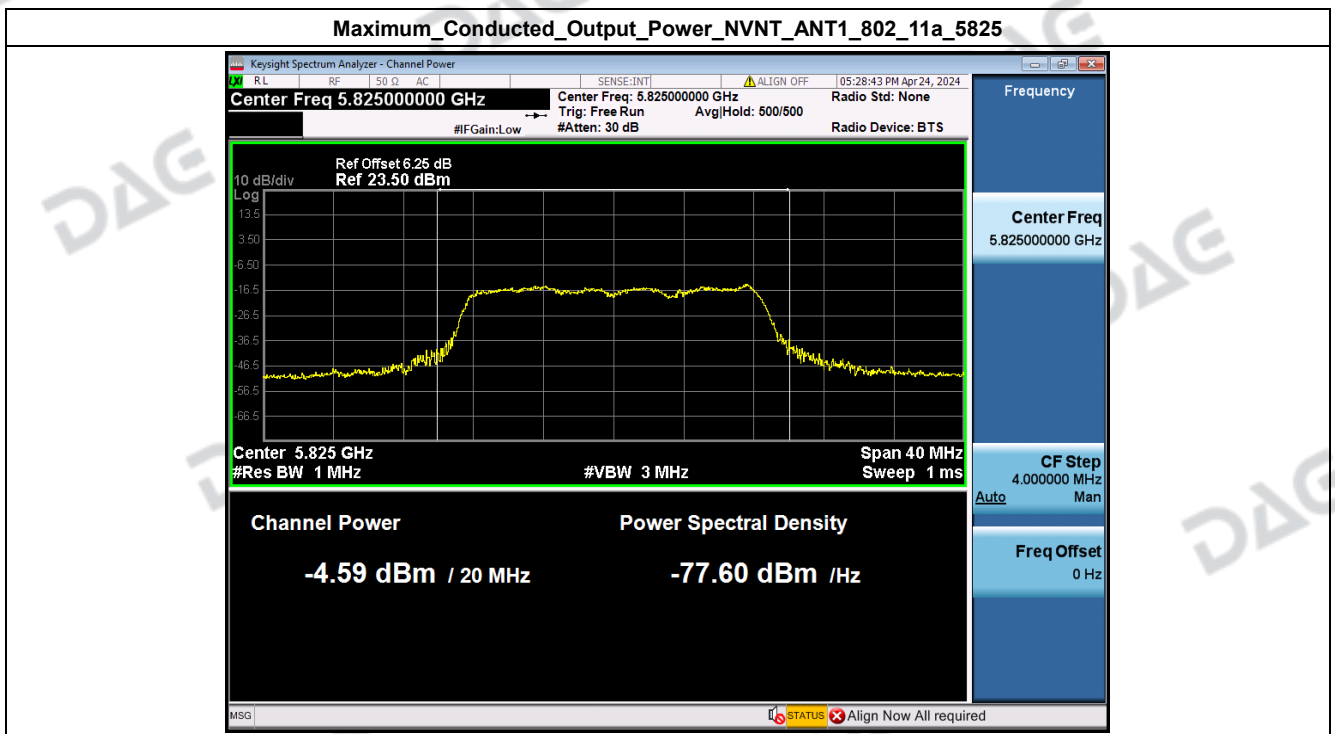
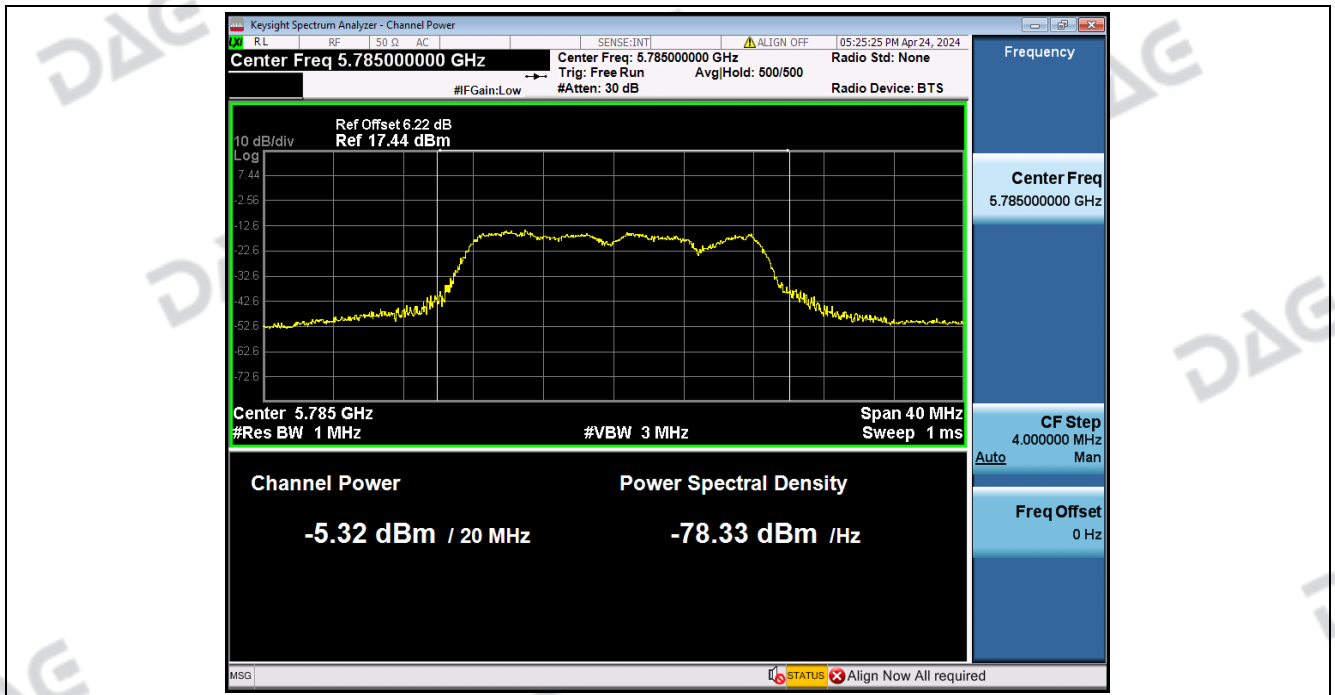
3. Maximum Conducted Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Conducted PK Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5745.00	-6.06	30	Pass
NVNT	ANT1	802.11a	5785.00	-5.32	30	Pass
NVNT	ANT1	802.11a	5825.00	-4.59	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	-5.86	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	-5.04	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	-4.72	30	Pass

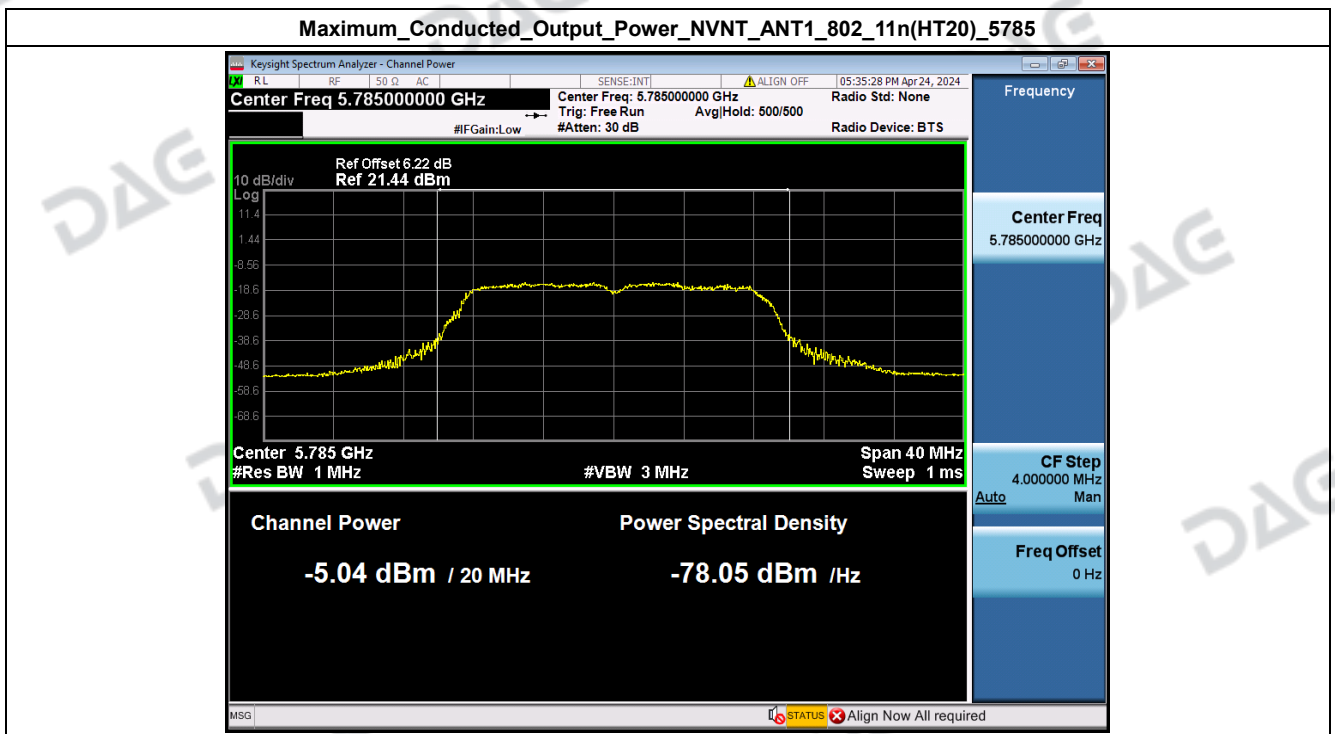
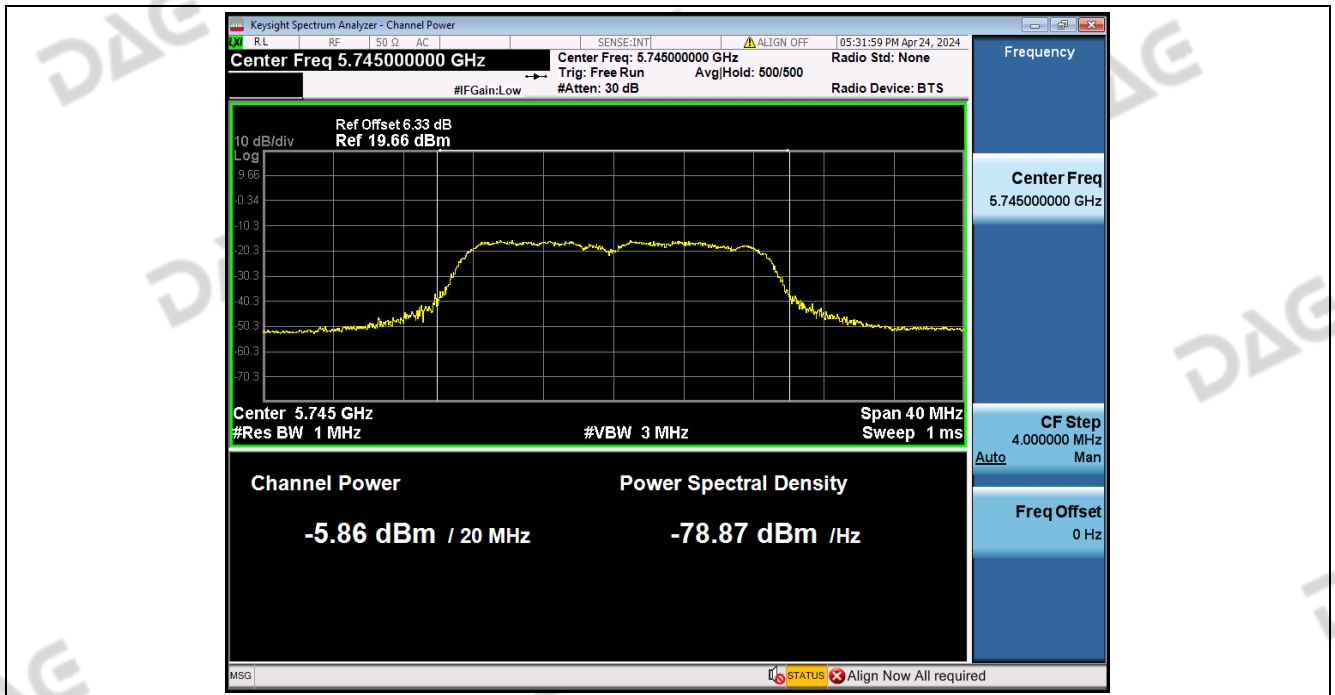
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11a_5745



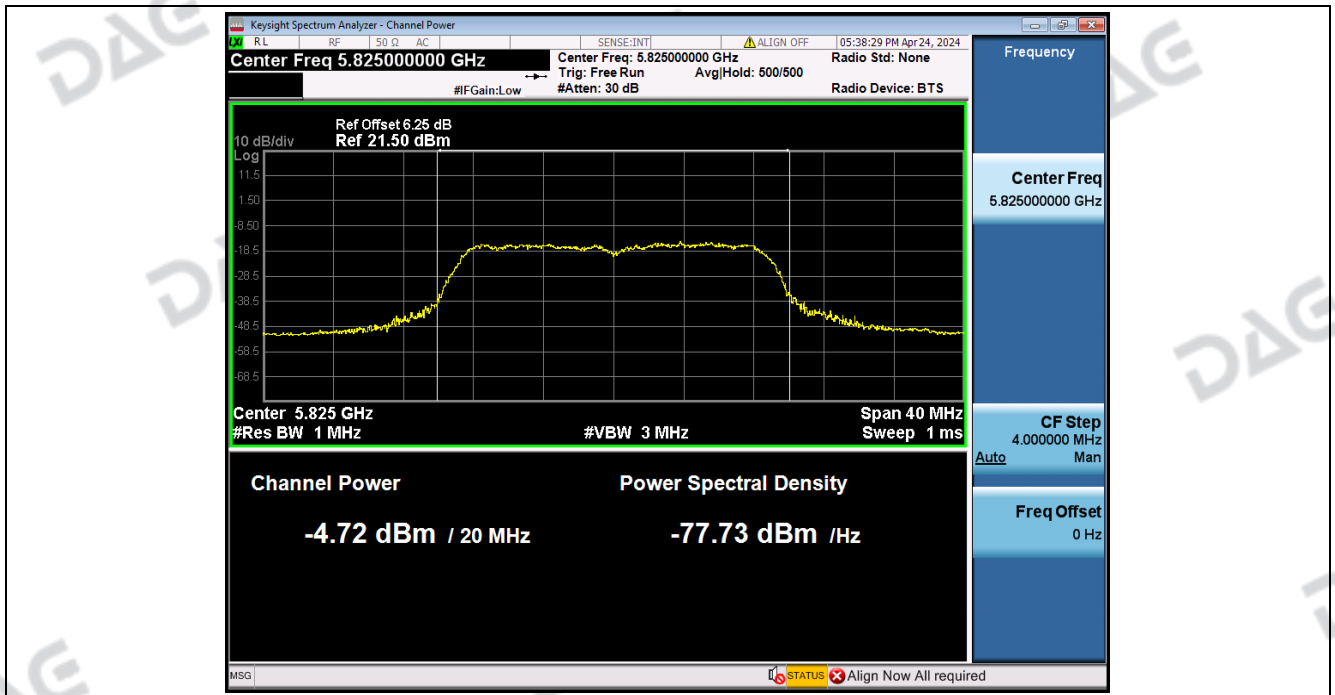
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11a_5785



Maximum_Conducted_Output_Power_NVNT_ANT1_802_11n(HT20)_5745



Maximum_Conducted_Output_Power_NVNT_ANT1_802_11n(HT20)_5825



4. Power Spectral Density

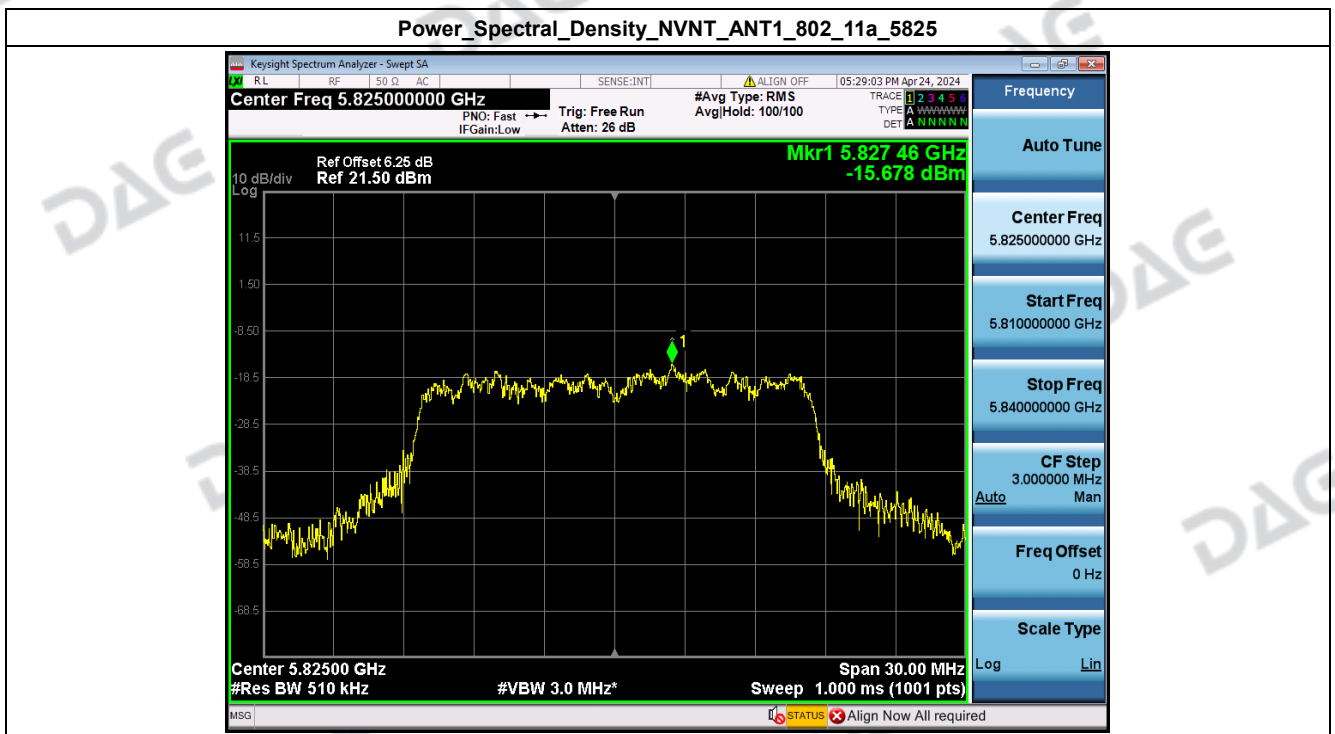
Condition	Antenna	Modulation	Frequency (MHz)	PSD_SA (dBm/RBW)	RB factor (dB)	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
NVNT	ANT1	802.11a	5745.00	-17.04	-0.086	-17.126	30	Pass
NVNT	ANT1	802.11a	5785.00	-15.91	-0.086	-15.996	30	Pass
NVNT	ANT1	802.11a	5825.00	-15.68	-0.086	-15.766	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	-16.86	-0.086	-16.946	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	-15.99	-0.086	-16.076	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	-16.86	-0.086	-16.946	30	Pass

PSD_SA (dBm/510kHz) = PSD(dBm/500kHz) + RB factor (dB); RB factor (dB) = $10 \cdot \log(500/510) = -0.086\text{dB}$

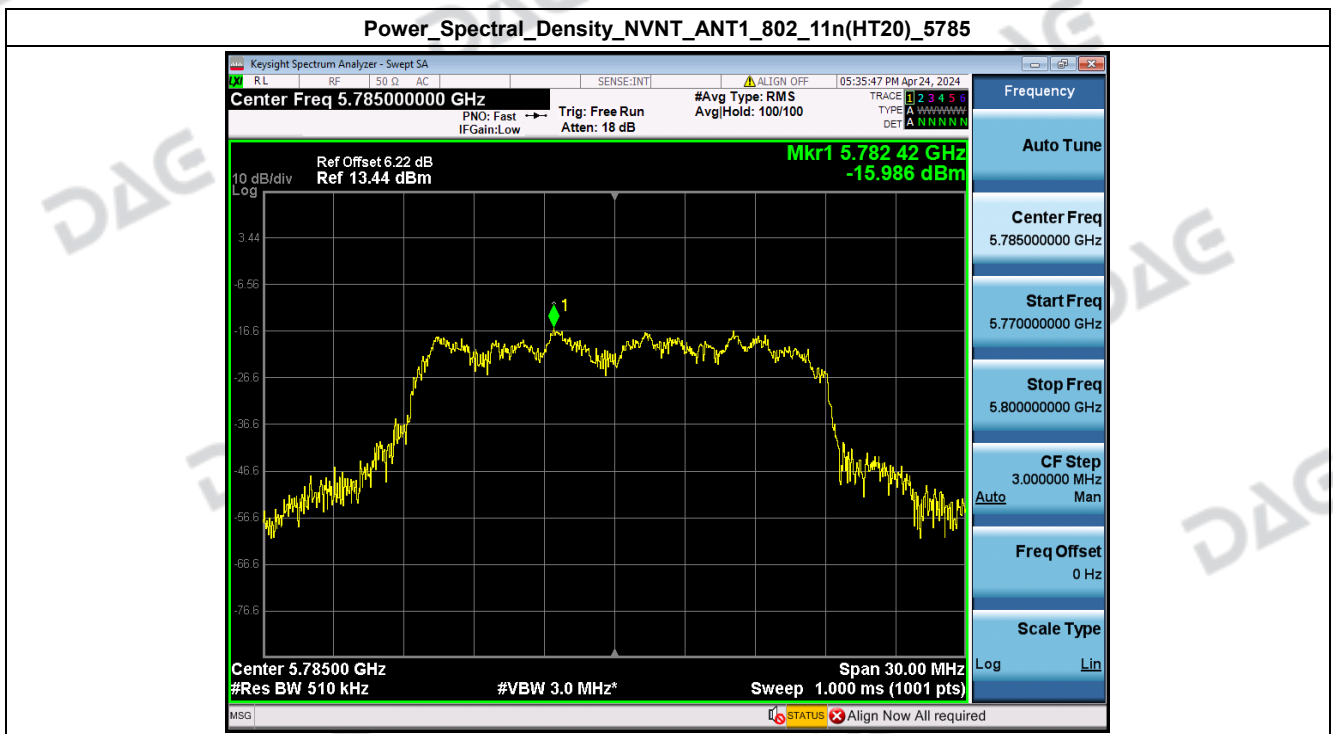
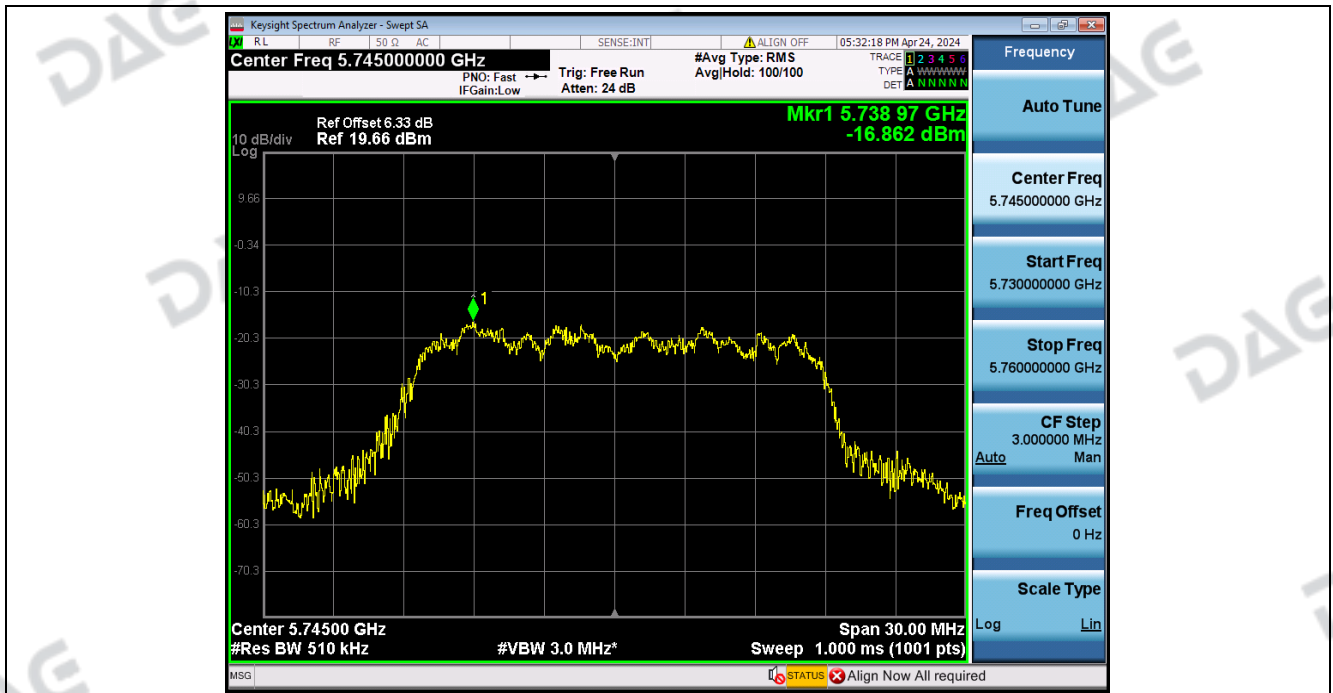
Power_Spectral_Density_NVNT_ANT1_802_11a_5745



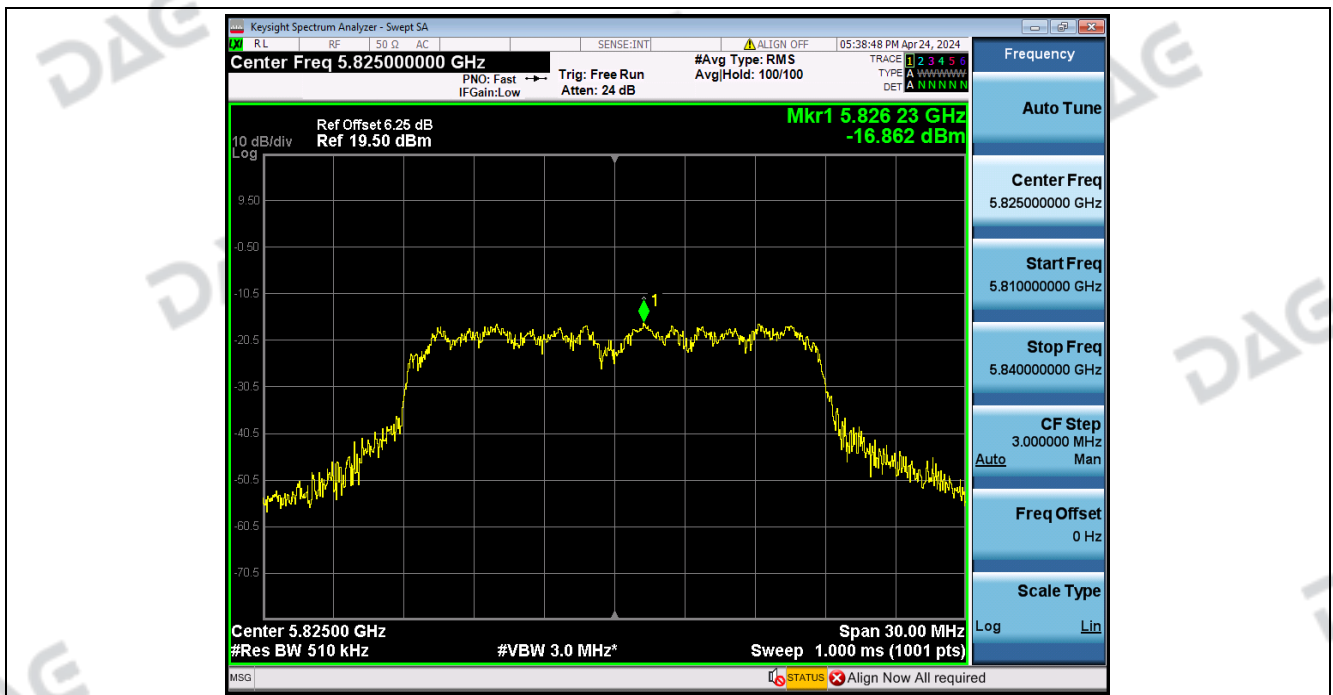
Power_Spectral_Density_NVNT_ANT1_802_11a_5785



Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_5745



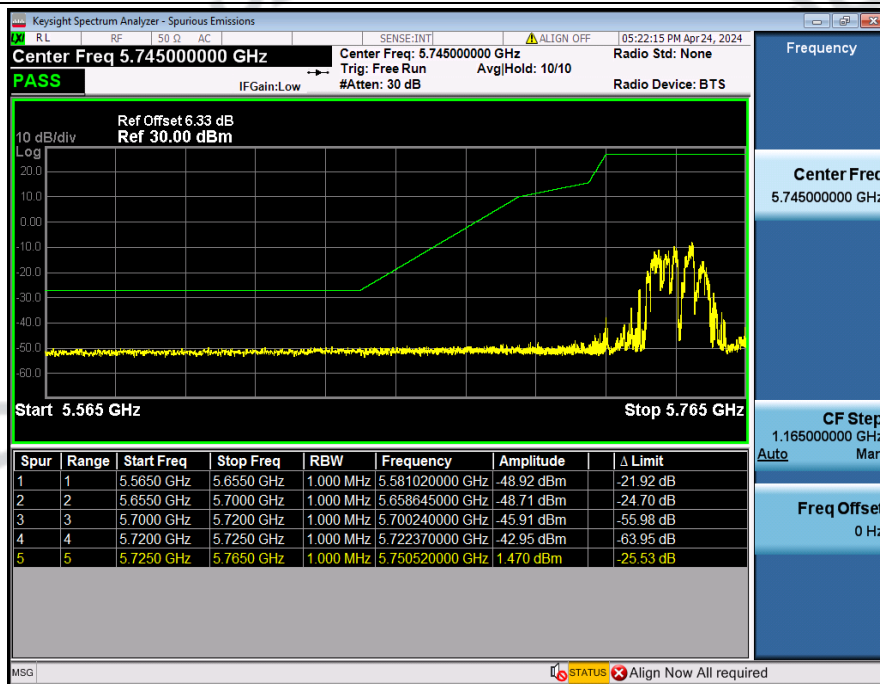
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_5825



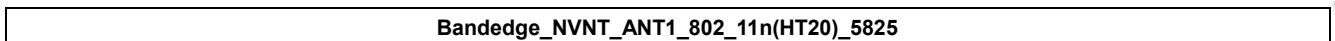
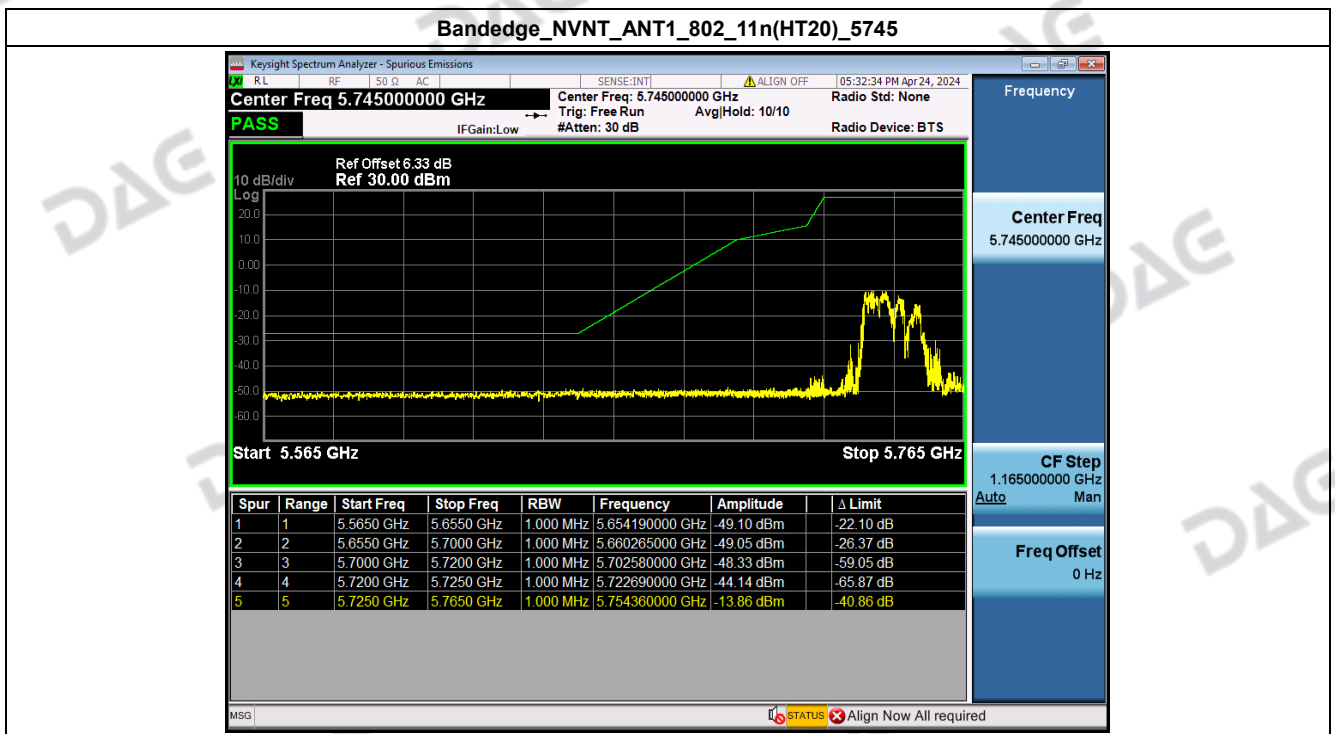
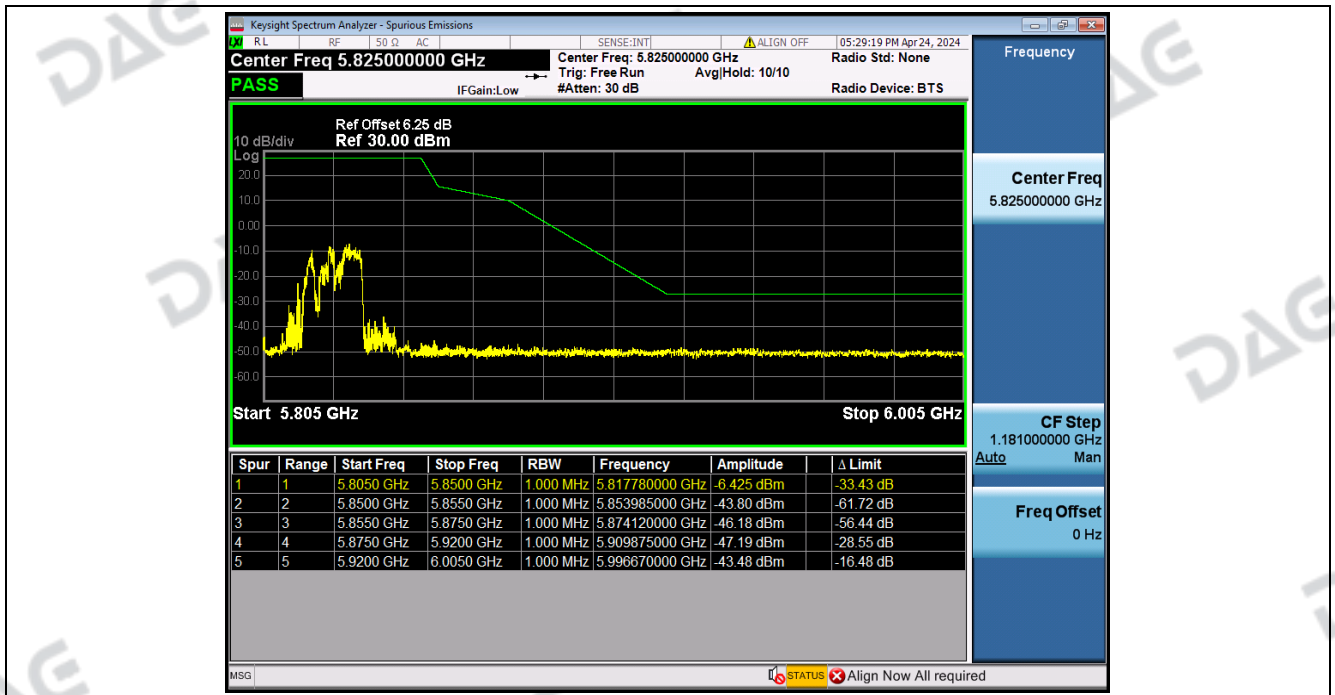
5. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Frequency Area(MHz)	Frequency(MHz)	Amplitude(dBm)	Limit(dBm)	Result
NVNT	ANT1	802.11a	LCH	5565-5655	5581.020	-48.92	-27.00	Pass
NVNT	ANT1	802.11a	LCH	5655-5700	5658.645	-48.71	-24.00	Pass
NVNT	ANT1	802.11a	LCH	5700-5720	5700.240	-45.91	10.07	Pass
NVNT	ANT1	802.11a	LCH	5720-5725	5722.370	-42.95	21.00	Pass
NVNT	ANT1	802.11a	HCH	5850-5855	5853.985	-43.80	17.91	Pass
NVNT	ANT1	802.11a	HCH	5855-5875	5874.120	-46.18	10.25	Pass
NVNT	ANT1	802.11a	HCH	5875-5920	5909.875	-47.19	-18.67	Pass
NVNT	ANT1	802.11a	HCH	5920-6005	5996.670	-43.48	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5565-5655	5654.190	-49.10	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5655-5700	5660.265	-49.05	-22.67	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5700-5720	5702.580	-48.33	10.72	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5720-5725	5722.690	-44.14	21.73	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5850-5855	5854.520	-46.82	16.69	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5855-5875	5874.240	-47.39	10.21	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5875-5920	5905.510	-48.16	-15.09	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5920-6005	5989.530	-44.12	-27.00	Pass

Bandedge_NVNT_ANT1_802_11a_5745



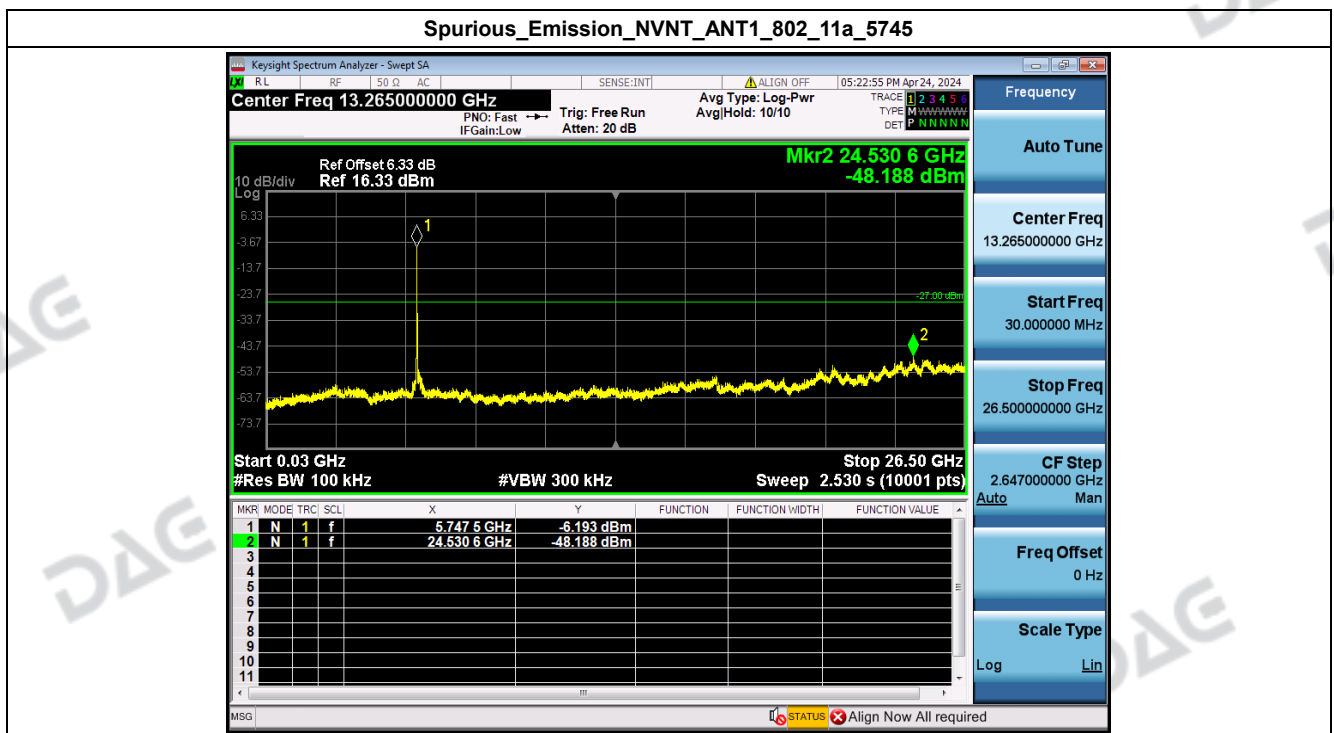
Bandedge_NVNT_ANT1_802_11a_5825



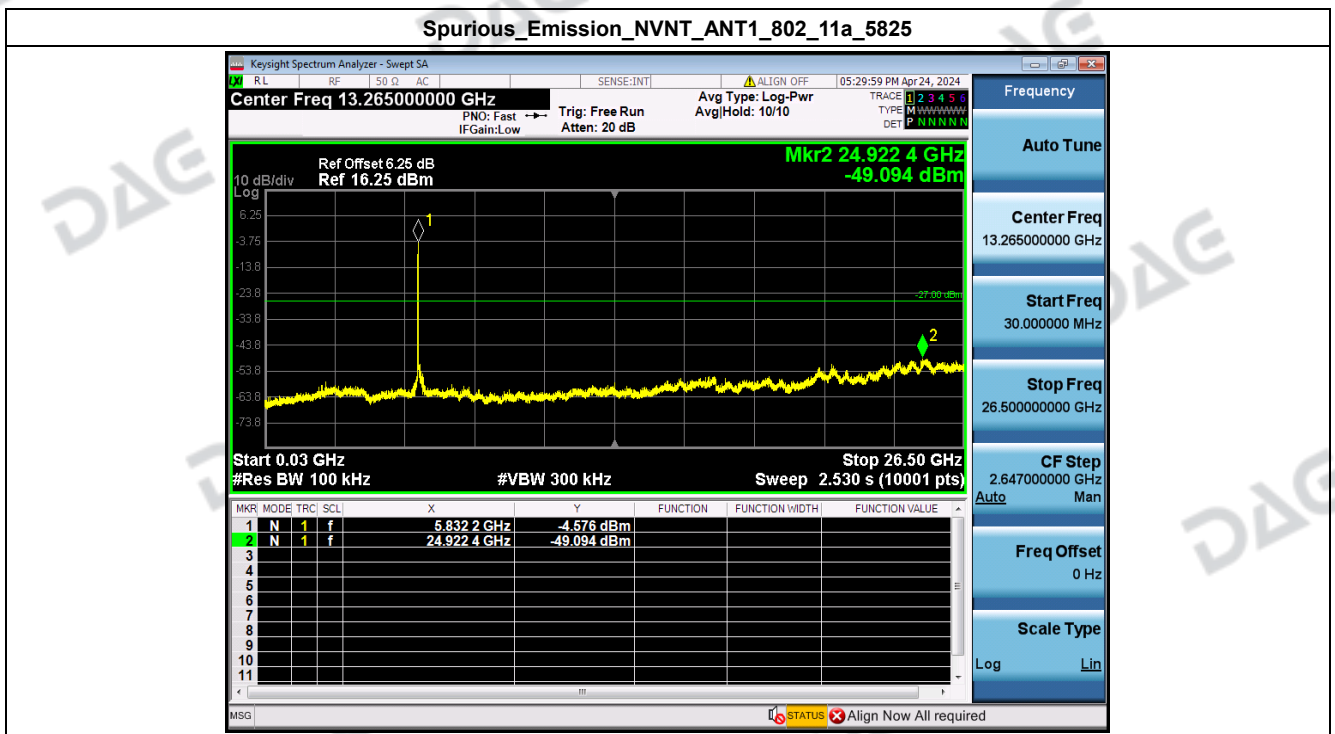
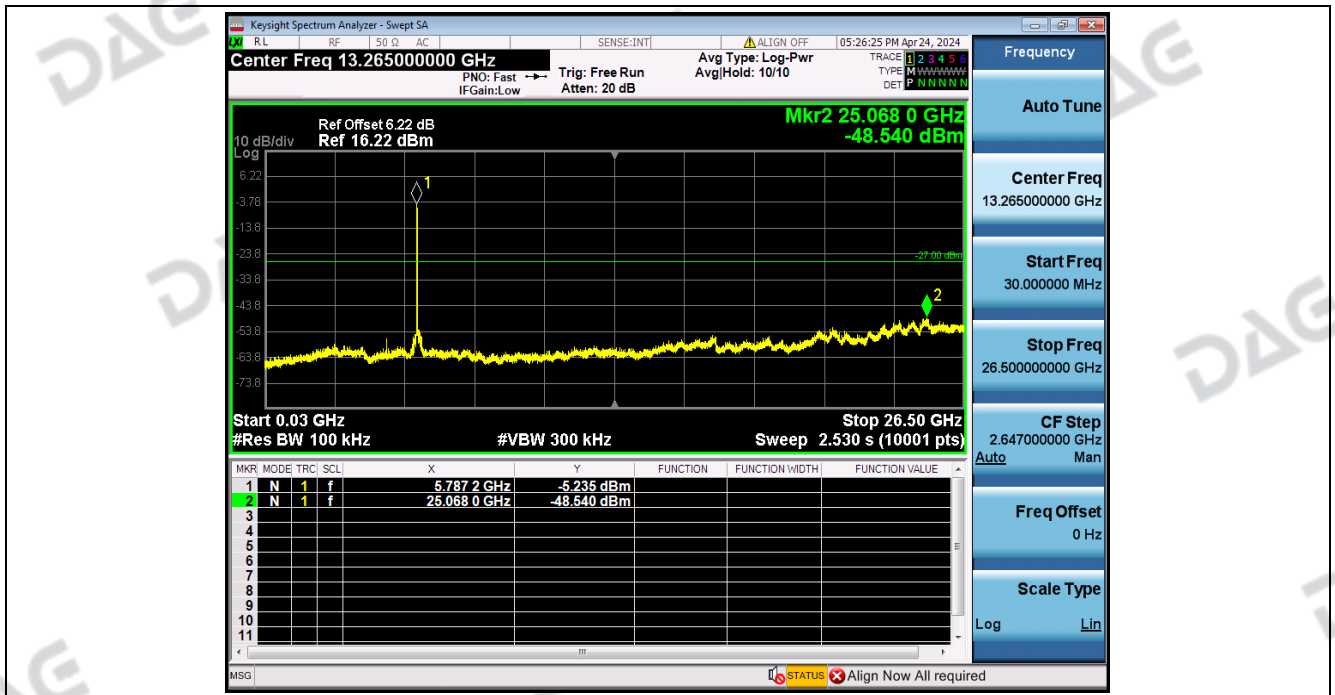


6. Spurious Emission

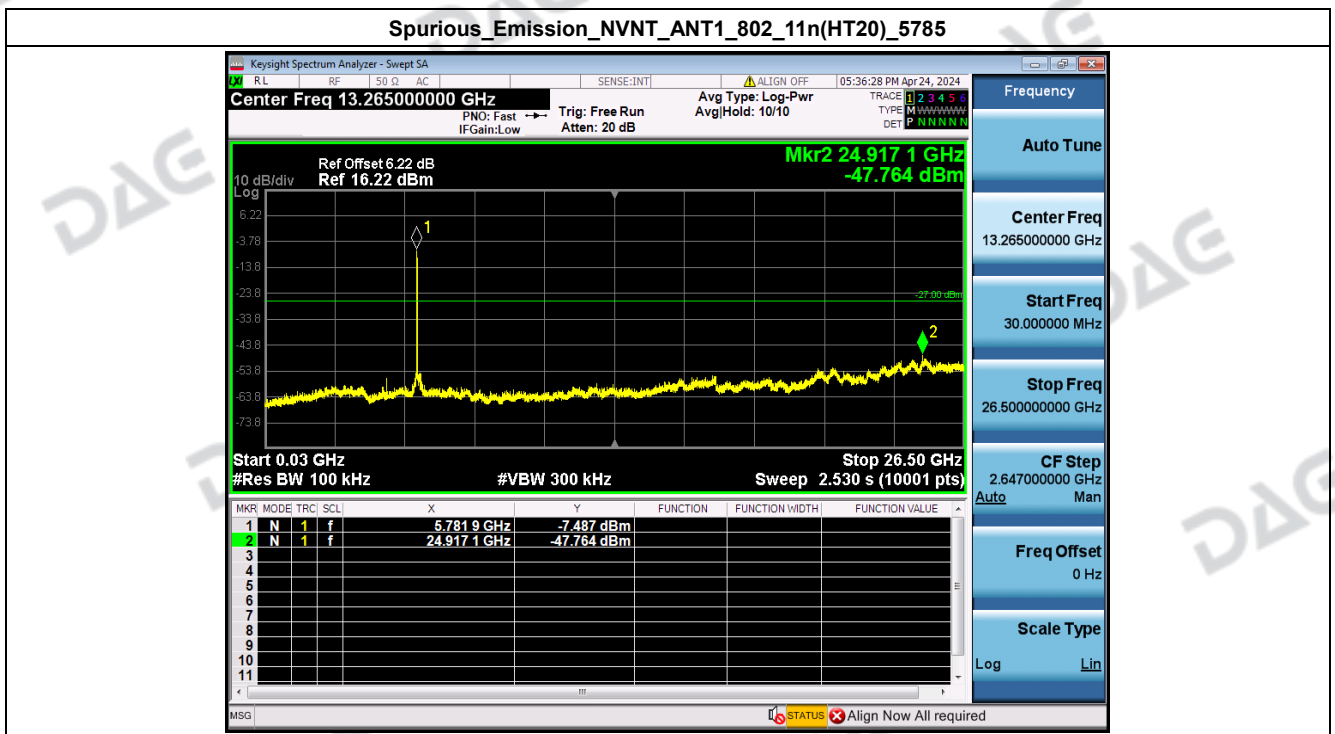
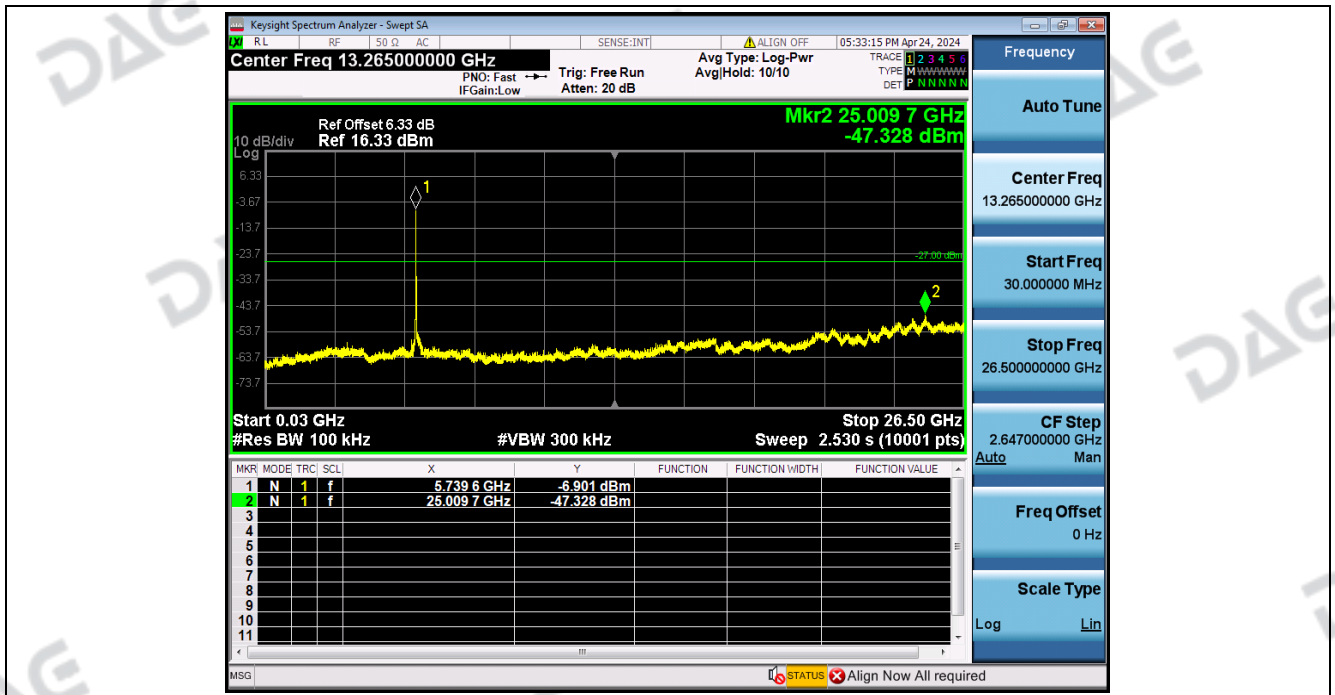
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5745.00	24530.63	-48.19	-27	Pass
NVNT	ANT1	802.11a	5785.00	25067.97	-48.54	-27	Pass
NVNT	ANT1	802.11a	5825.00	24922.39	-49.09	-27	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	25009.74	-47.33	-27	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	24917.09	-47.76	-27	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	25073.27	-48.58	-27	Pass



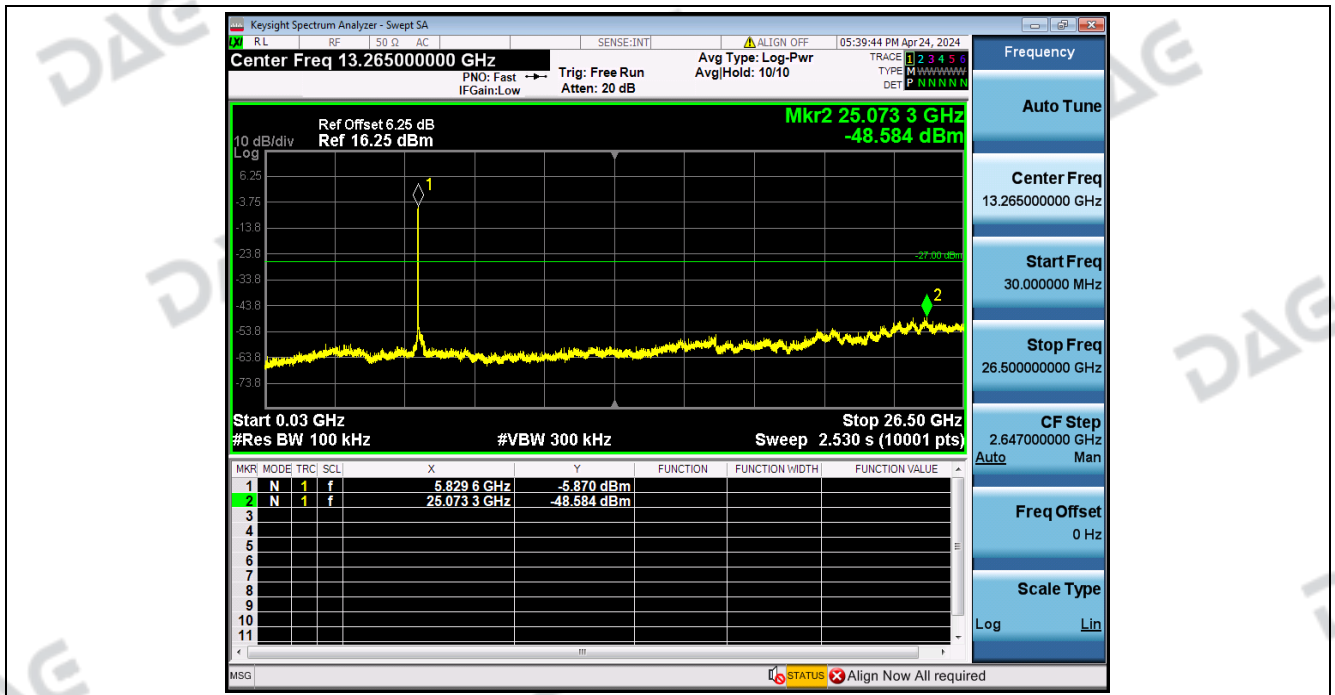
Spurious_Emission_NVNT_ANT1_802_11a_5785



Spurious_Emission_NVNT_ANT1_802_11n(HT20)_5745



Spurious_Emission_NVNT_ANT1_802_11n(HT20)_5825



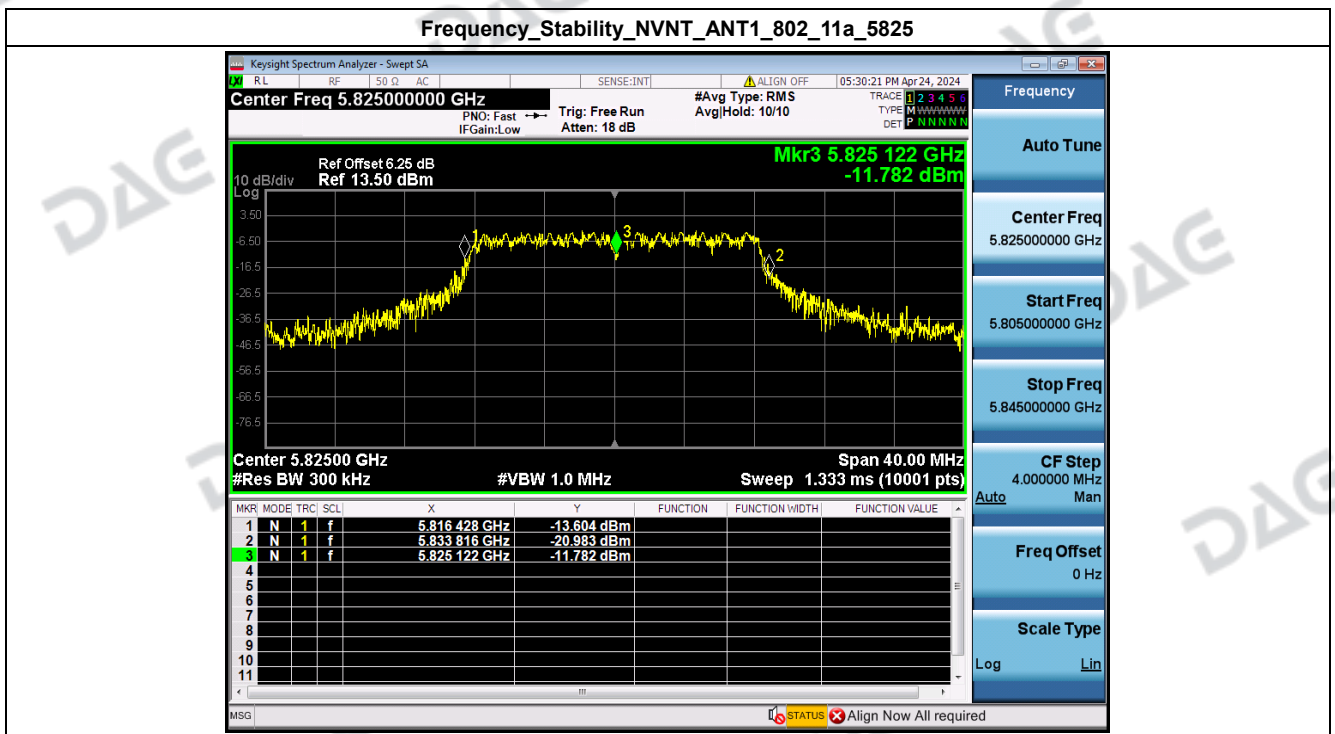
7. Frequency Stability

Condition	Antenna	Modulation	Frequency (MHz)	Fc(MHz)	Fi(MHz)	Fh(MHz)	Limit(MHz)	Result
NVNT	ANT1	802.11a	5745.00	5745.146	5736.488	5753.804	5725~5850	Pass
NVNT	ANT1	802.11a	5785.00	5785.048	5776.300	5793.796	5725~5850	Pass
NVNT	ANT1	802.11a	5825.00	5825.122	5816.428	5833.816	5725~5850	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	5745.036	5735.944	5754.128	5725~5850	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	5785.044	5775.952	5794.136	5725~5850	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	5825.092	5816.056	5834.128	5725~5850	Pass

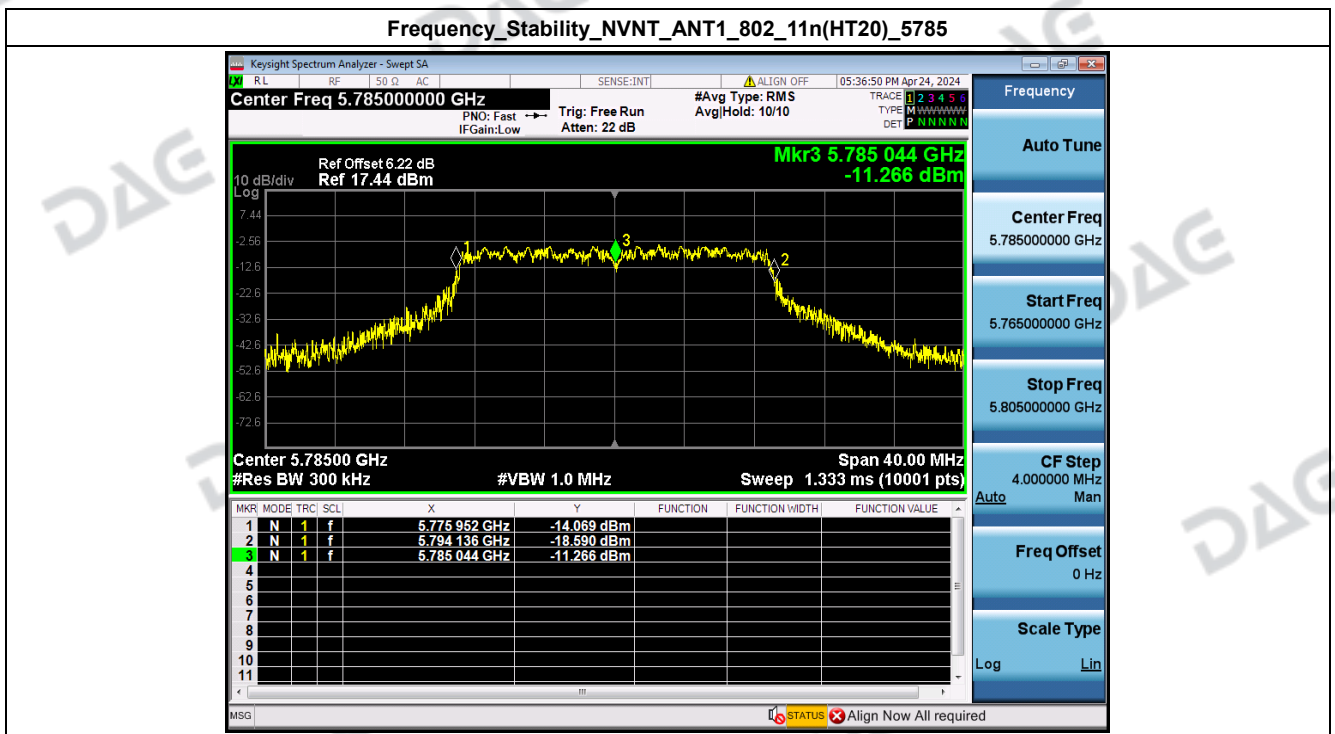
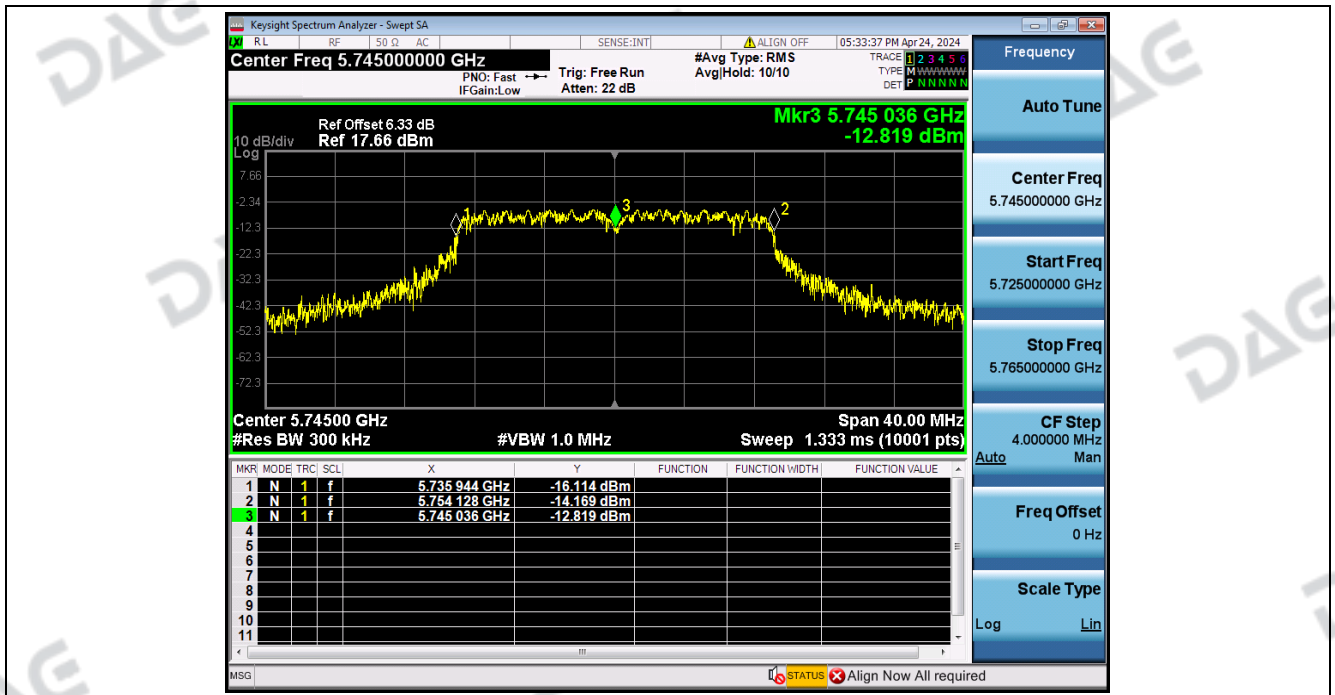
Frequency_Stability_NVNT_ANT1_802_11a_5745



Frequency_Stability_NVNT_ANT1_802_11a_5785



Frequency_Stability_NVNT_ANT1_802_11n(HT20)_5745



Frequency_Stability_NVNT_ANT1_802_11n(HT20)_5825



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