

Appendix-5.8G

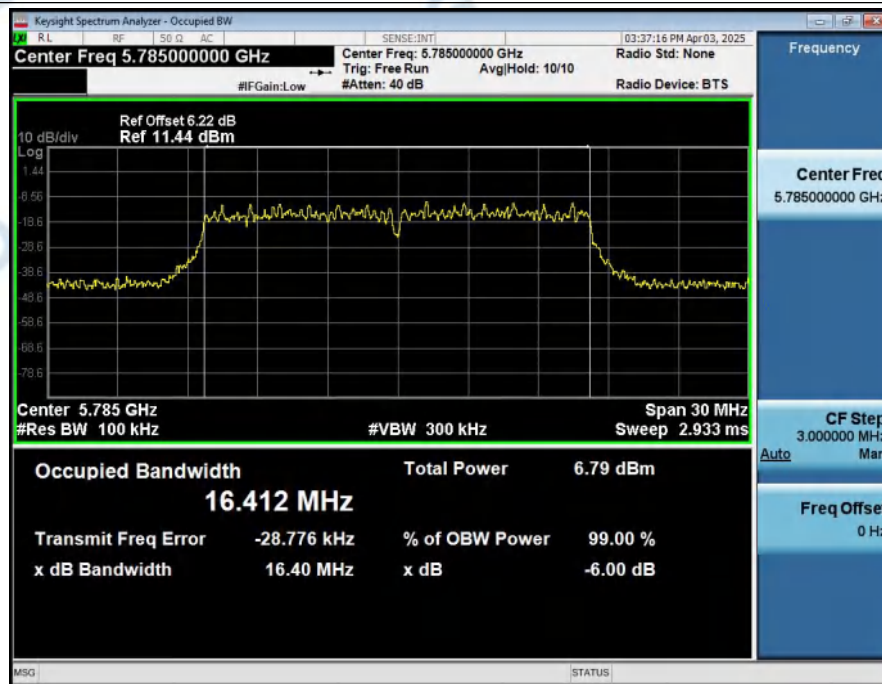
1. -6dB Emission Bandwidth

Condition	Antenna	Mode	Frequency(MHz)	-6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	802.11a	5745.00	16.380	0.500	Pass
NVNT	ANT1	802.11a	5785.00	16.402	0.500	Pass
NVNT	ANT1	802.11a	5825.00	16.427	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	17.200	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	16.956	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	16.967	0.500	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	35.787	0.500	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	35.154	0.500	Pass

-6dB_Emission_Bandwidth_NVNT_ANT1_802_11a_5745_20M



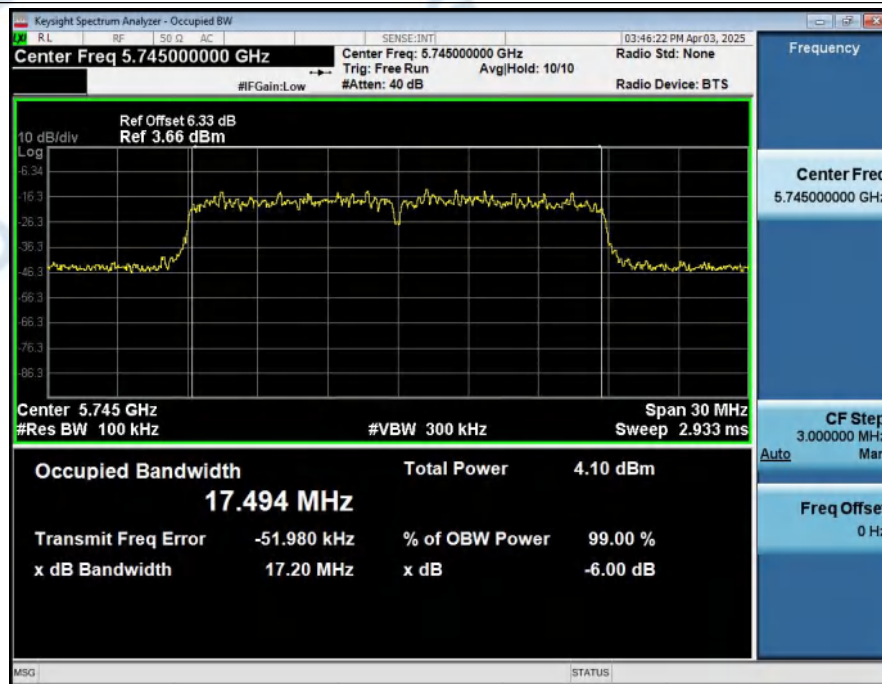
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-6dB_Emission_Bandwidth_NVNT_ANT1_802_11a_5825_20M



-6dB_Emission_Bandwidth_NVNT_ANT1_802_11n(HT20)_5745_20M



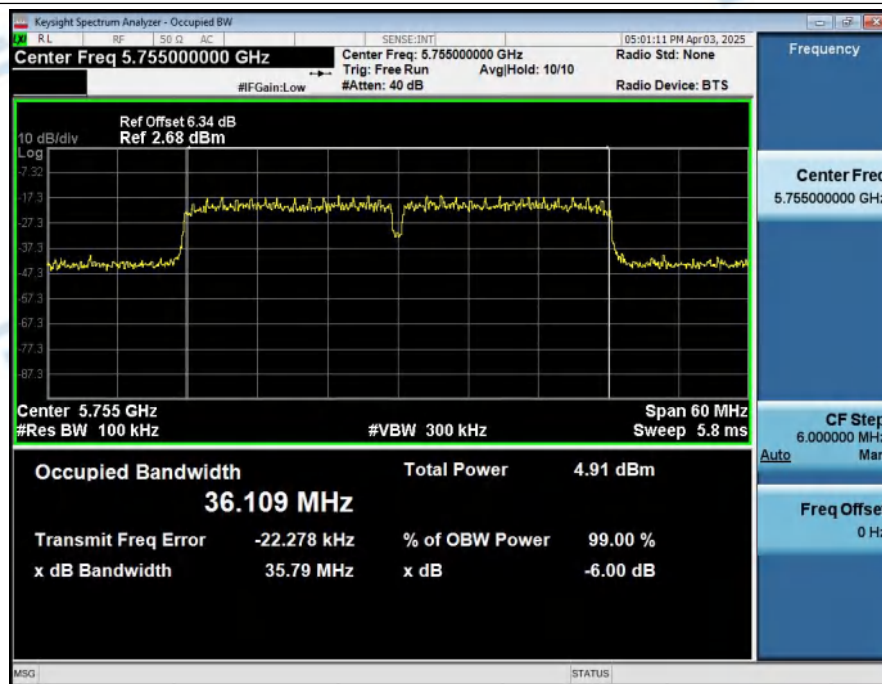
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-6dB_Emission_Bandwidth_NVNT_ANT1_802_11n(HT20)_5825_20M



-6dB_Emission_Bandwidth_NVNT_ANT1_802_11n(HT40)_5755_40M



-6dB_Emission_Bandwidth_NVNT_ANT1_802_11n(HT40)_5795_40M



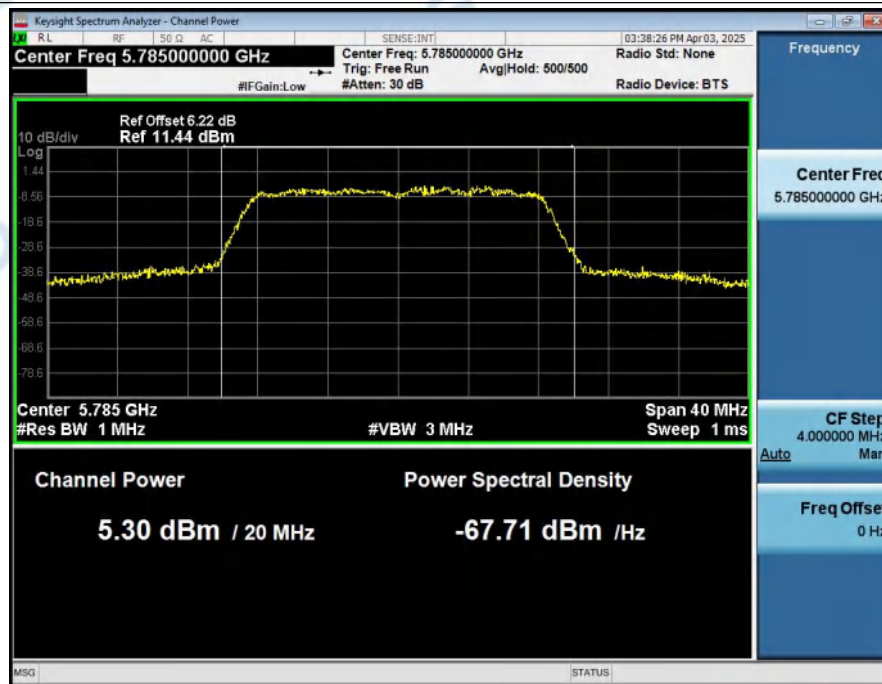
2. Maximum Conducted Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5745.00	4.54	30	Pass
NVNT	ANT1	802.11a	5785.00	5.30	30	Pass
NVNT	ANT1	802.11a	5825.00	7.22	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	2.69	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	3.48	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	5.25	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	2.96	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	4.16	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_11a_5825



Maximum_Conducted_Output_Power_NVNT_ANT1_802_11n(HT20)_5745



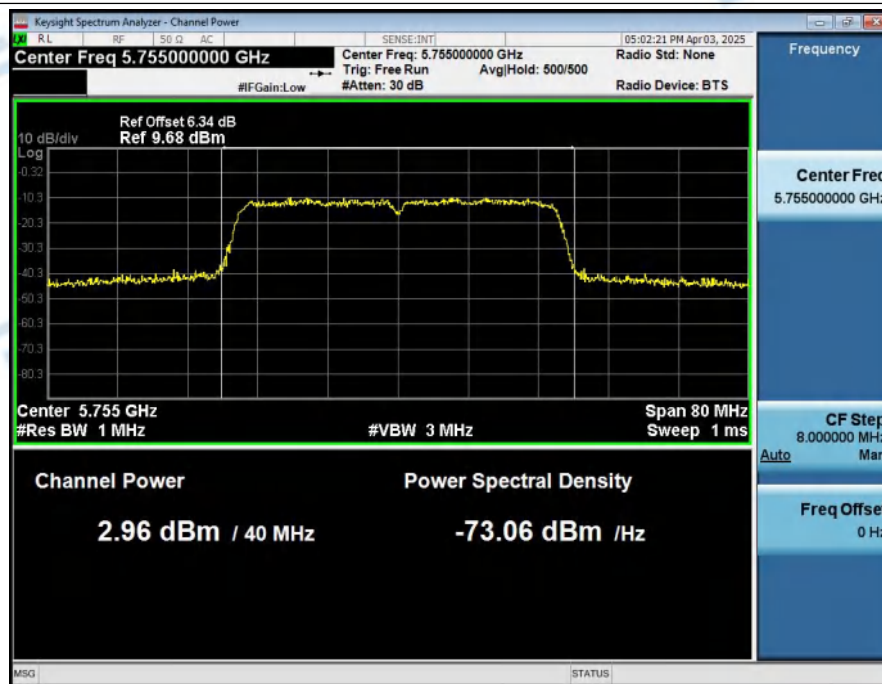
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11n(HT20)_5785



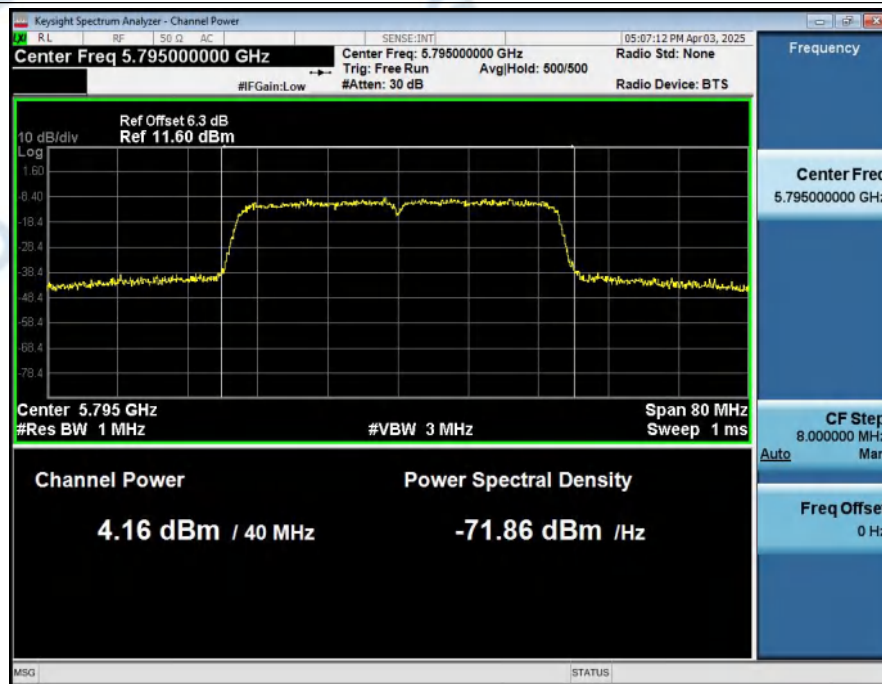
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Maximum_Conducted_Output_Power_NVNT_ANT1_802_11n(HT40)_5755



Maximum_Conducted_Output_Power_NVNT_ANT1_802_11n(HT40)_5795



3. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	PSD_SA (dBm/510kHz)	RB factor(dB)	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
NVNT	ANT1	802.11a	5745.00	-7.99	-0.09	-8.08	30	Pass
NVNT	ANT1	802.11a	5785.00	-6.31	-0.09	-6.40	30	Pass
NVNT	ANT1	802.11a	5825.00	-4.40	-0.09	-4.49	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	-8.17	-0.09	-8.26	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	-8.14	-0.09	-8.23	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	-7.69	-0.09	-7.78	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	-13.01	-0.09	-13.10	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	-11.54	-0.09	-11.63	30	Pass

PSD(dBm/500kHz)=PSD_SA(dBm/510kHz)+RB factor(dB); RB factor(dB)=10*log(500/510)=-0.09dB

Power_Spectral_Density_NVNT_ANT1_802_11a_5745



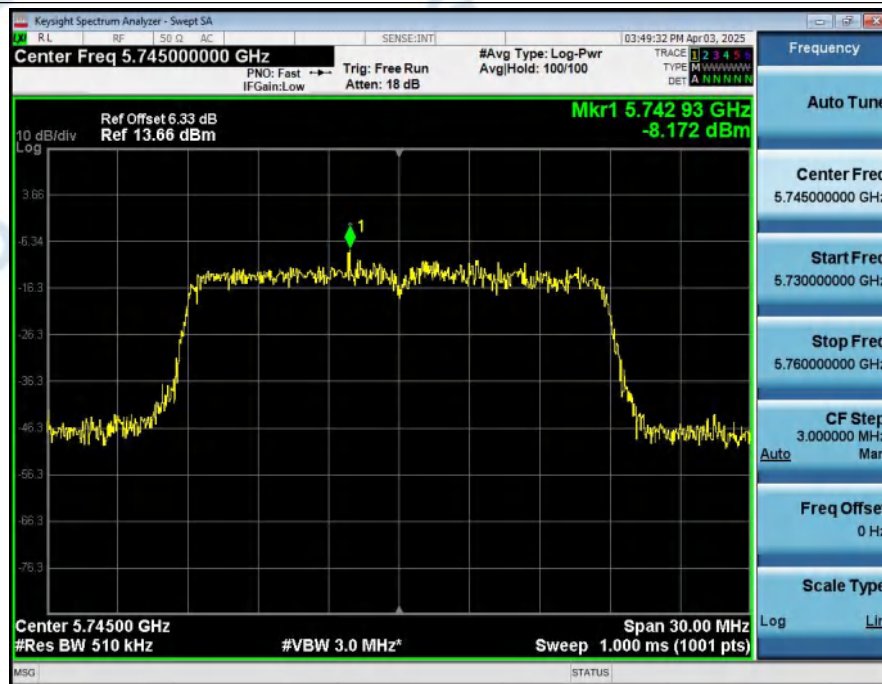
Power_Spectral_Density_NVNT_ANT1_802_11a_5785



Power_Spectral_Density_NVNT_ANT1_802_11a_5825



Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_5745



Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_5785



Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_5825



Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_5755



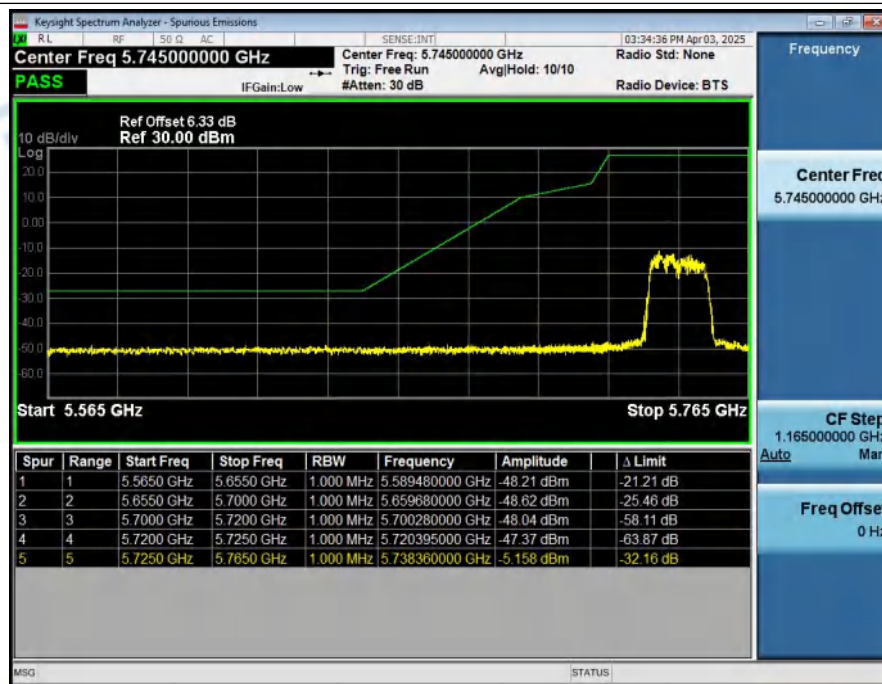
Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_5795



4. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Frequency Area(MHz)	Frequency(MHz)	Amplitude(dBm)	Limit(dBm)	Result
NVNT	ANT1	802.11a	LCH	5565-5655	5589.480	-48.21	-27.00	Pass
NVNT	ANT1	802.11a	LCH	5655-5700	5659.680	-48.62	-23.15	Pass
NVNT	ANT1	802.11a	LCH	5700-5720	5700.280	-48.04	10.08	Pass
NVNT	ANT1	802.11a	LCH	5720-5725	5720.395	-47.37	16.50	Pass
NVNT	ANT1	802.11a	HCH	5850-5855	5853.995	-46.77	17.89	Pass
NVNT	ANT1	802.11a	HCH	5855-5875	5870.040	-47.73	11.39	Pass
NVNT	ANT1	802.11a	HCH	5875-5920	5912.845	-48.06	-21.12	Pass
NVNT	ANT1	802.11a	HCH	5920-6005	5981.030	-43.89	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5565-5655	5643.390	-48.16	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5655-5700	5659.185	-48.31	-23.56	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5700-5720	5704.300	-48.15	11.20	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5720-5725	5720.405	-47.03	16.52	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5850-5855	5854.600	-47.79	16.51	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5855-5875	5873.480	-47.71	10.43	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5875-5920	5912.575	-47.24	-20.89	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5920-6005	5927.565	-43.61	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5595-5655	5630.820	-48.50	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5655-5700	5664.675	-48.66	-19.04	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5700-5720	5710.400	-47.39	12.91	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5720-5725	5720.190	-45.60	16.03	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5850-5855	5854.950	-47.44	15.71	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5855-5875	5871.840	-47.25	10.88	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5875-5920	5912.485	-47.91	-20.82	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5920-5955	5932.250	-43.41	-27.00	Pass

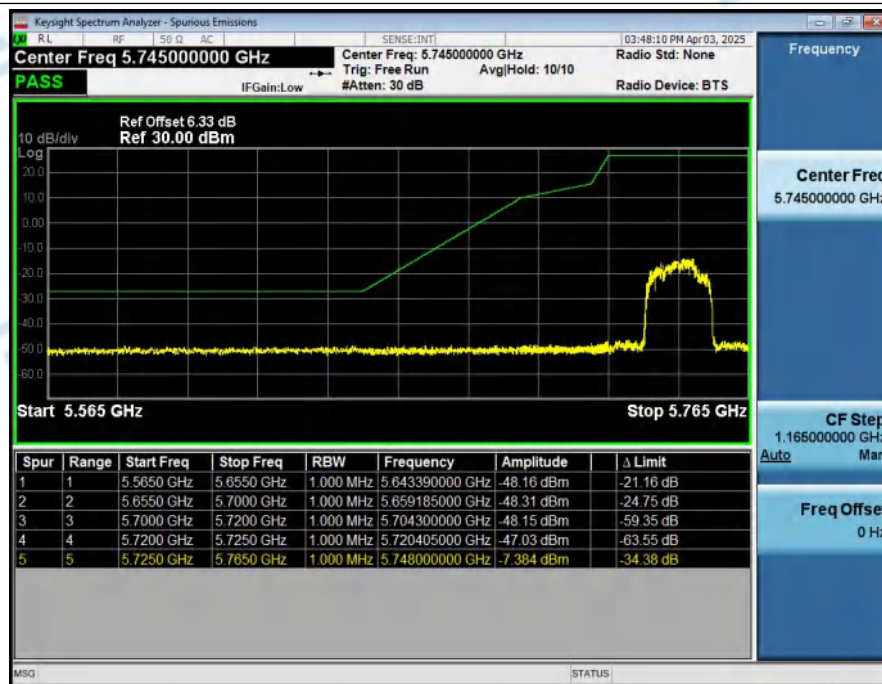
Bandedge_NVNT_ANT1_802_11a_5745



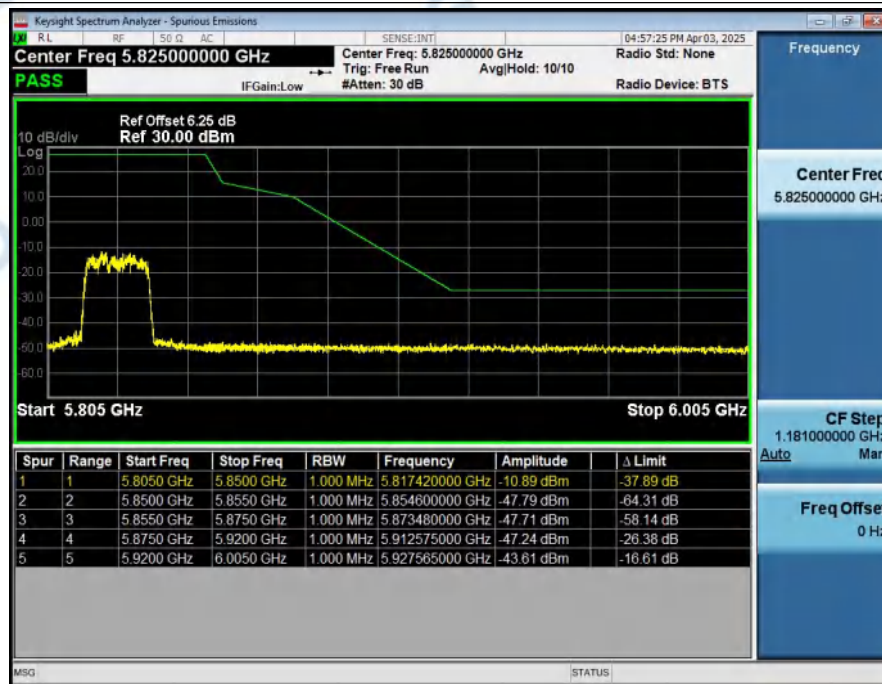
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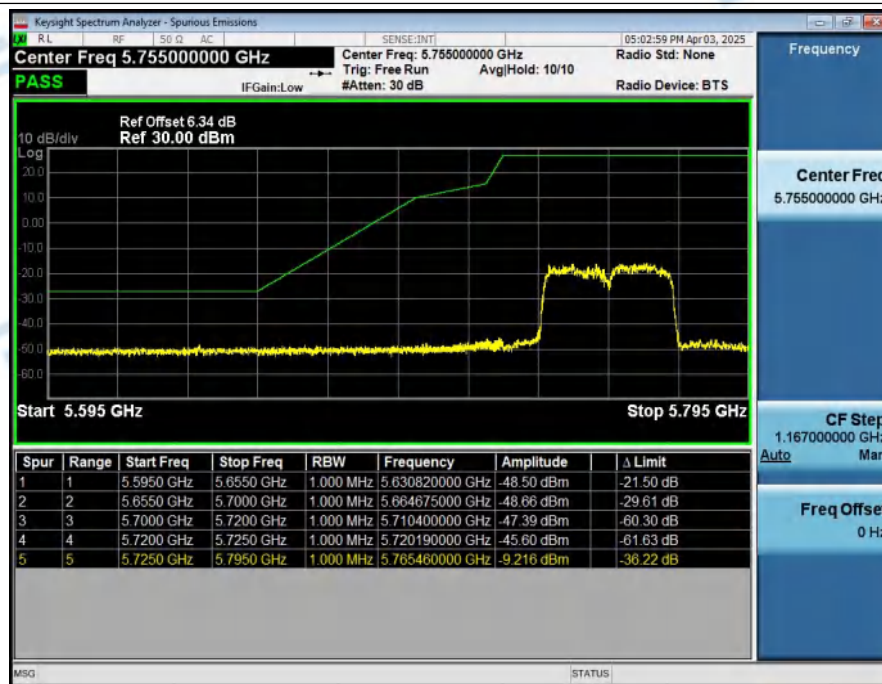
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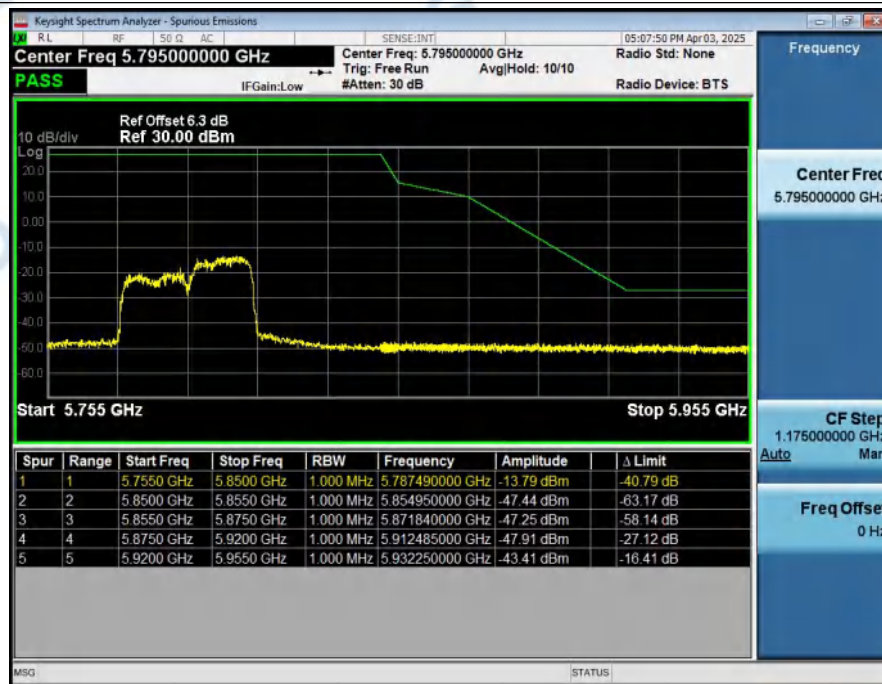
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Bandedge_NVNT_ANT1_802_11n(HT40)_5755



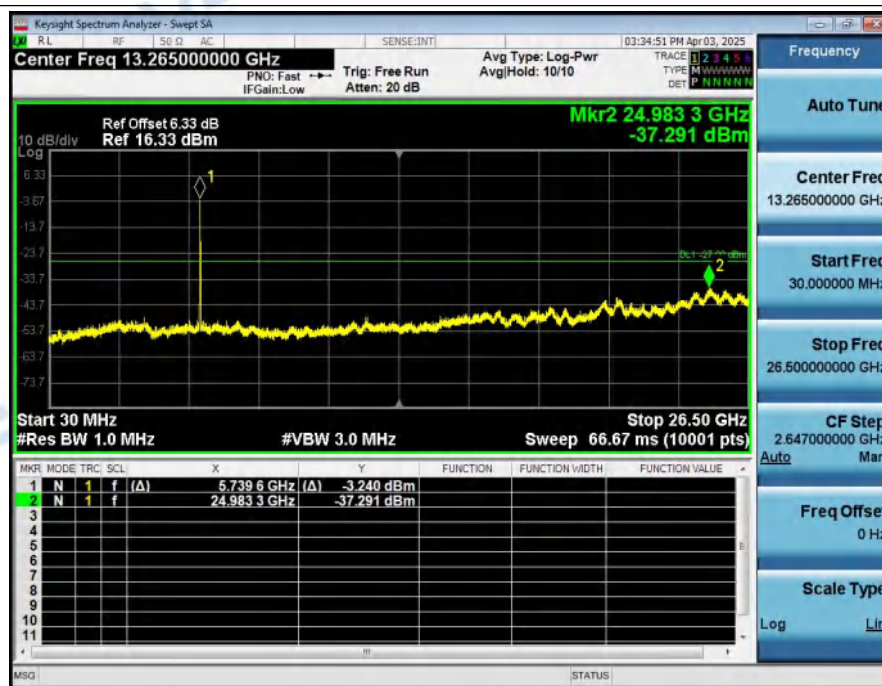
Bandedge_NVNT_ANT1_802_11n(HT40)_5795



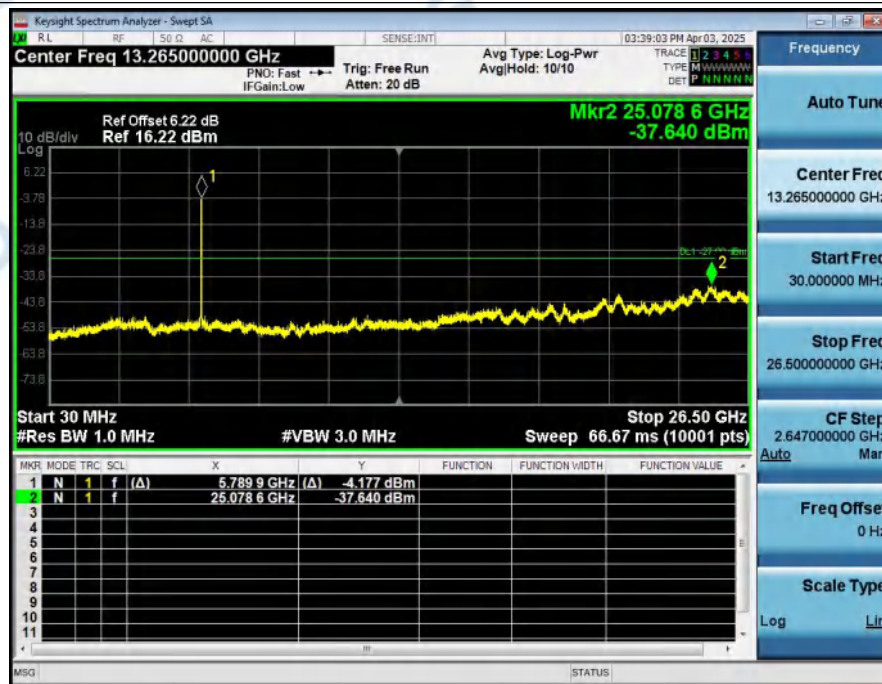
5. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5745.00	24983.27	-37.29	-27	Pass
NVNT	ANT1	802.11a	5785.00	25078.56	-37.64	-27	Pass
NVNT	ANT1	802.11a	5825.00	24946.21	-36.44	-27	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	25057.38	-36.61	-27	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	25086.50	-36.76	-27	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	25022.97	-35.88	-27	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	25046.80	-37.25	-27	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	25054.74	-35.77	-27	Pass

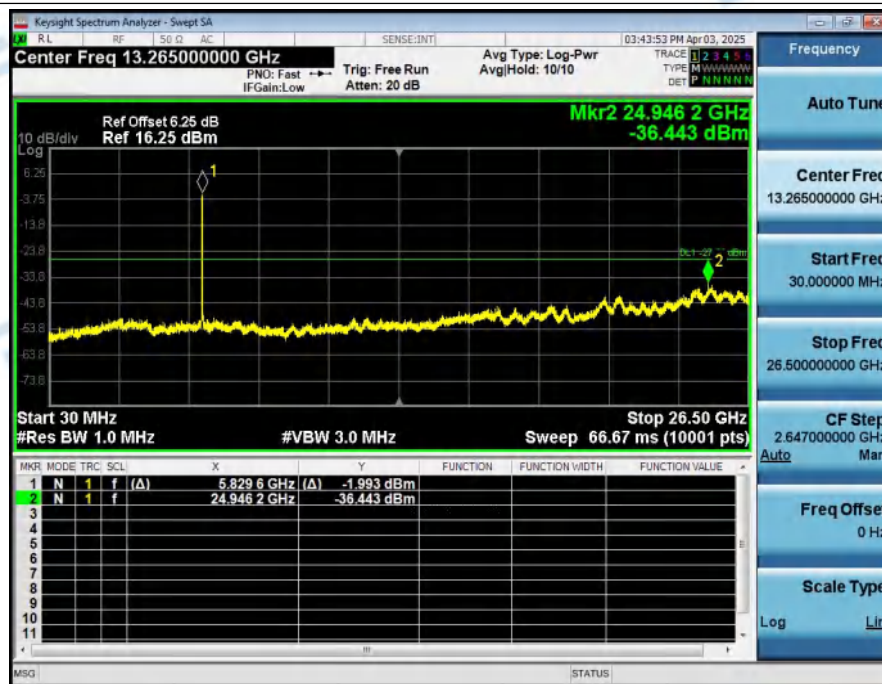
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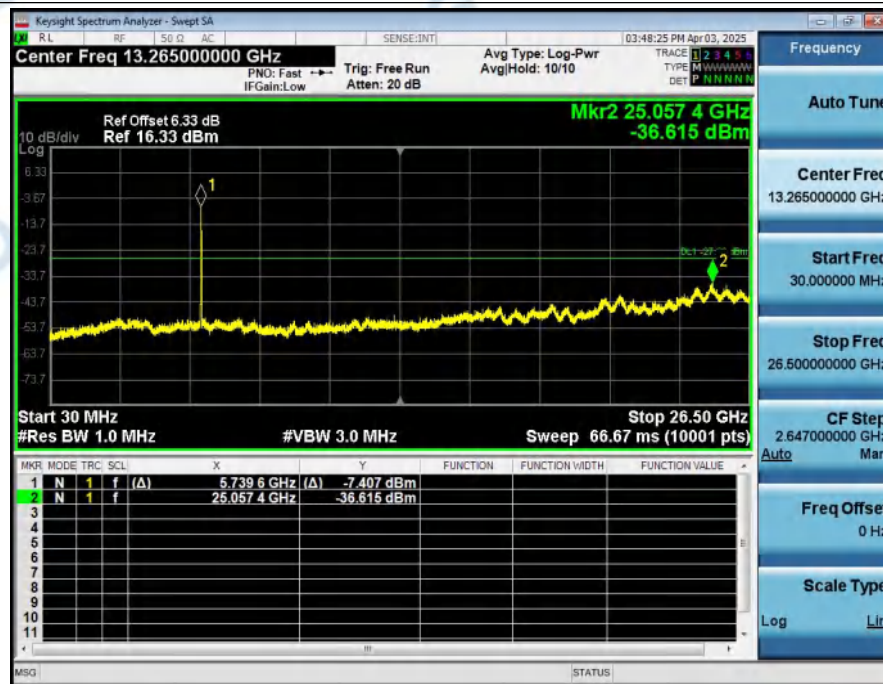
Spurious_Emission_NVNT_ANT1_802_11a_5785



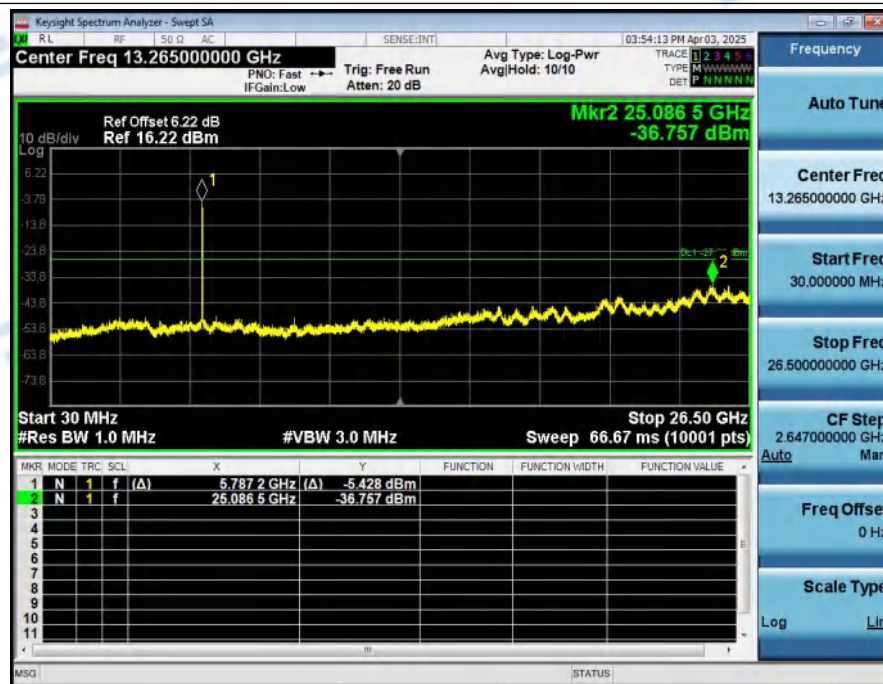
Spurious_Emission_NVNT_ANT1_802_11a_5825



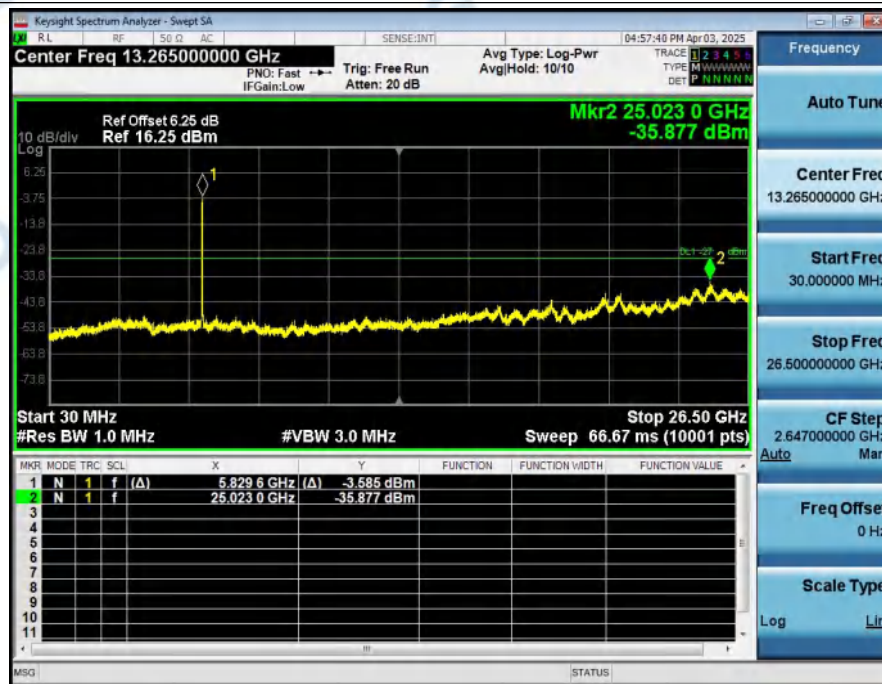
Spurious_Emission_NVNT_ANT1_802_11n(HT20)_5745



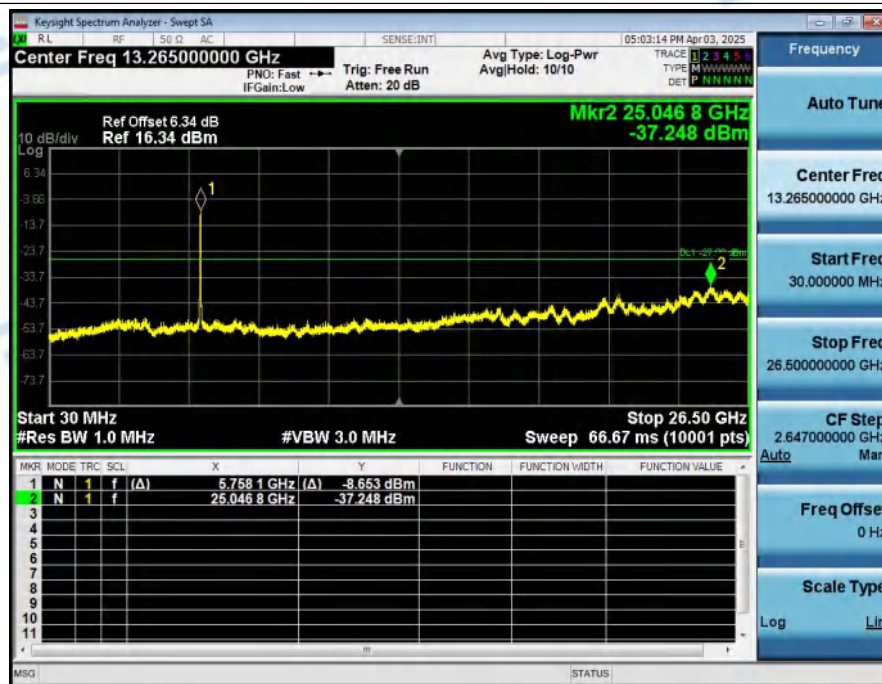
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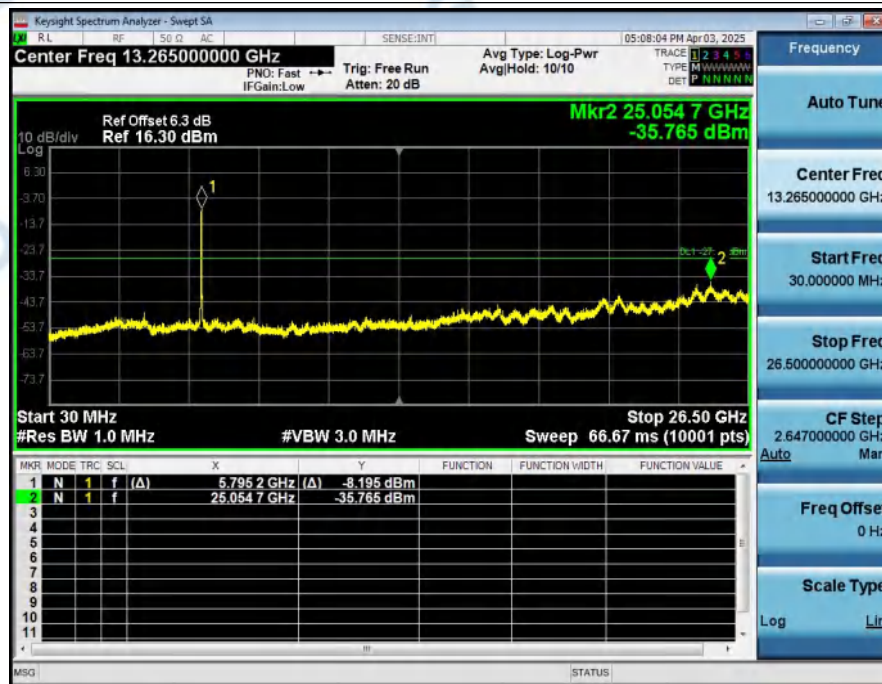
Spurious_Emission_NVNT_ANT1_802_11n(HT20)_5825



Spurious_Emission_NVNT_ANT1_802_11n(HT40)_5755



Spurious_Emission_NVNT_ANT1_802_11n(HT40)_5795



6. Frequency Stability

Condition	Antenna	Modulation	Frequency (MHz)	Fc(MHz)	Fl(MHz)	Fh(MHz)	Limit(MHz)	Result
NVHT	ANT1	802.11a	5745.00	5744.972	5736.592	5753.352	5725~5850	Pass
NVNT	ANT1	802.11a	5745.00	5744.956	5736.728	5753.184	5725~5850	Pass
NVLT	ANT1	802.11a	5745.00	5744.980	5736.824	5753.136	5725~5850	Pass
HVNT	ANT1	802.11a	5745.00	5744.982	5736.904	5753.060	5725~5850	Pass
LVNT	ANT1	802.11a	5745.00	5744.978	5736.980	5752.976	5725~5850	Pass
NVHT	ANT1	802.11a	5785.00	5784.954	5776.540	5793.368	5725~5850	Pass
NVNT	ANT1	802.11a	5785.00	5784.968	5776.700	5793.236	5725~5850	Pass
NVLT	ANT1	802.11a	5785.00	5784.962	5776.776	5793.148	5725~5850	Pass
HVNT	ANT1	802.11a	5785.00	5784.960	5776.832	5793.088	5725~5850	Pass
LVNT	ANT1	802.11a	5785.00	5784.958	5776.884	5793.032	5725~5850	Pass
NVHT	ANT1	802.11a	5825.00	5824.966	5816.556	5833.376	5725~5850	Pass
NVNT	ANT1	802.11a	5825.00	5824.954	5816.680	5833.228	5725~5850	Pass
NVLT	ANT1	802.11a	5825.00	5824.948	5816.768	5833.128	5725~5850	Pass
HVNT	ANT1	802.11a	5825.00	5824.944	5816.832	5833.056	5725~5850	Pass
LVNT	ANT1	802.11a	5825.00	5824.944	5816.884	5833.004	5725~5850	Pass
NVHT	ANT1	802.11n(HT20)	5745.00	5744.958	5736.076	5753.840	5725~5850	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	5744.966	5736.208	5753.724	5725~5850	Pass
NVLT	ANT1	802.11n(HT20)	5745.00	5744.966	5736.292	5753.640	5725~5850	Pass
HVNT	ANT1	802.11n(HT20)	5745.00	5744.954	5736.344	5753.564	5725~5850	Pass
LVNT	ANT1	802.11n(HT20)	5745.00	5744.938	5736.416	5753.460	5725~5850	Pass
NVHT	ANT1	802.11n(HT20)	5785.00	5784.988	5776.132	5793.844	5725~5850	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	5784.990	5776.252	5793.728	5725~5850	Pass
NVLT	ANT1	802.11n(HT20)	5785.00	5785.004	5776.348	5793.660	5725~5850	Pass
HVNT	ANT1	802.11n(HT20)	5785.00	5785.002	5776.424	5793.580	5725~5850	Pass
LVNT	ANT1	802.11n(HT20)	5785.00	5784.994	5776.488	5793.500	5725~5850	Pass
NVHT	ANT1	802.11n(HT20)	5825.00	5824.946	5816.024	5833.868	5725~5850	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	5824.964	5816.152	5833.776	5725~5850	Pass
NVLT	ANT1	802.11n(HT20)	5825.00	5824.968	5816.232	5833.704	5725~5850	Pass
HVNT	ANT1	802.11n(HT20)	5825.00	5824.948	5816.300	5833.596	5725~5850	Pass
LVNT	ANT1	802.11n(HT20)	5825.00	5824.960	5816.376	5833.544	5725~5850	Pass
NVHT	ANT1	802.11n(HT40)	5755.00	5754.976	5736.824	5773.128	5725~5850	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	5754.960	5737.016	5772.904	5725~5850	Pass
NVLT	ANT1	802.11n(HT40)	5755.00	5754.988	5737.200	5772.776	5725~5850	Pass
HVNT	ANT1	802.11n(HT40)	5755.00	5754.996	5737.376	5772.616	5725~5850	Pass
LVNT	ANT1	802.11n(HT40)	5755.00	5754.984	5737.504	5772.464	5725~5850	Pass
NVHT	ANT1	802.11n(HT40)	5795.00	5794.972	5776.840	5813.104	5725~5850	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	5795.000	5777.056	5812.944	5725~5850	Pass
NVLT	ANT1	802.11n(HT40)	5795.00	5795.036	5777.264	5812.808	5725~5850	Pass
HVNT	ANT1	802.11n(HT40)	5795.00	5795.040	5777.416	5812.664	5725~5850	Pass
LVNT	ANT1	802.11n(HT40)	5795.00	5795.060	5777.536	5812.584	5725~5850	Pass

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