

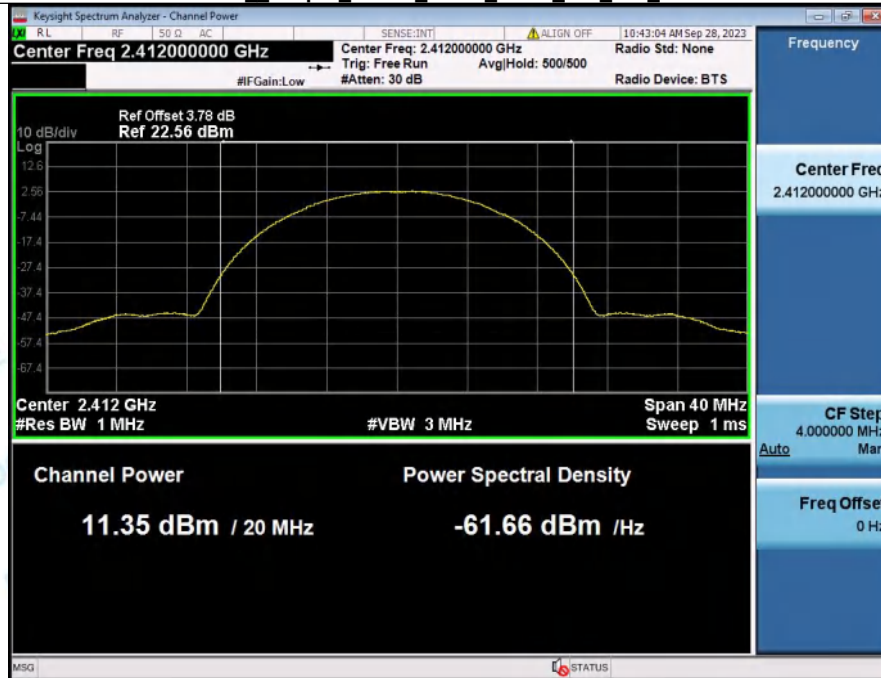
3. MAX. Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Detector	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	RMS	11.35	0.26	11.61	30	Pass
NVNT	ANT2	802.11b	2412.00	RMS	12.21	0.75	12.96	30	Pass
NVNT	ANT1	802.11b	2437.00	RMS	11.36	0.51	11.87	30	Pass
NVNT	ANT2	802.11b	2437.00	RMS	12.24	0.59	12.83	30	Pass
NVNT	ANT1	802.11b	2462.00	RMS	10.93	0.59	11.52	30	Pass
NVNT	ANT2	802.11b	2462.00	RMS	11.17	0.51	11.68	30	Pass
NVNT	ANT1	802.11g	2412.00	RMS	9.05	2.04	11.09	30	Pass
NVNT	ANT2	802.11g	2412.00	RMS	9.95	3.25	13.20	30	Pass
NVNT	ANT1	802.11g	2437.00	RMS	9.05	1.92	10.97	30	Pass
NVNT	ANT2	802.11g	2437.00	RMS	9.67	2.50	12.17	30	Pass
NVNT	ANT1	802.11g	2462.00	RMS	8.65	2.30	10.95	30	Pass
NVNT	ANT2	802.11g	2462.00	RMS	8.91	2.73	11.64	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	RMS	8.77	2.30	11.07	30	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	RMS	9.49	2.22	11.71	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	RMS	8.72	3.52	12.24	30	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	RMS	9.44	2.22	11.66	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	RMS	8.13	1.25	9.38	30	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	RMS	8.36	3.01	11.37	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	RMS	9.72	3.68	13.40	30	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	RMS	10.75	2.22	12.97	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	RMS	9.69	3.98	13.67	30	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	RMS	10.45	2.63	13.08	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	RMS	9.87	4.77	14.64	30	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	RMS	10.45	3.01	13.46	30	Pass

Condition	Antenna	Mode	Frequency(MHz)	MIMO_Conducted_Power(dBm)	Limit(dBm)	Result
NVNT	MIMO_TX	802.11n(HT20)	2412.00	14.41	30	Pass
NVNT	MIMO_TX	802.11n(HT20)	2437.00	14.97	30	Pass
NVNT	MIMO_TX	802.11n(HT20)	2462.00	13.50	30	Pass
NVNT	MIMO_TX	802.11n(HT40)	2422.00	16.20	30	Pass
NVNT	MIMO_TX	802.11n(HT40)	2437.00	16.39	30	Pass
NVNT	MIMO_TX	802.11n(HT40)	2452.00	17.10	30	Pass

$$P_{ant1} \text{ (MW)} = 10^{\frac{dBm}{10}}; P_{ant2} \text{ (MW)} = 10^{\frac{dBm}{10}}; P_{MIMO} \text{ (dBm)} = 10 * \log(P_{ant1} \text{ (MW)} + P_{ant2} \text{ (MW)})$$

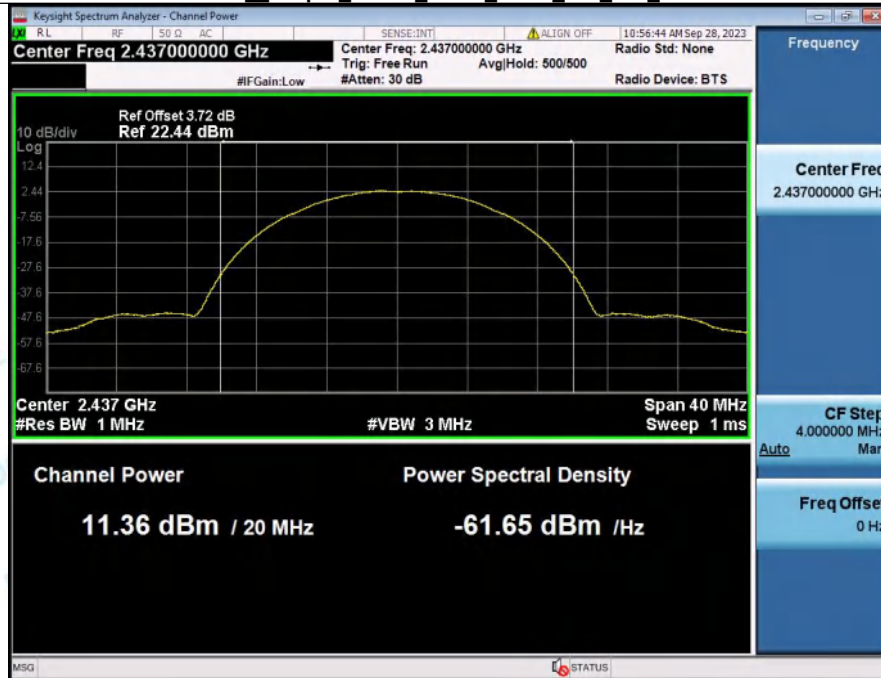
MAX Output Power NVNT_ANT1_802_11b_2412



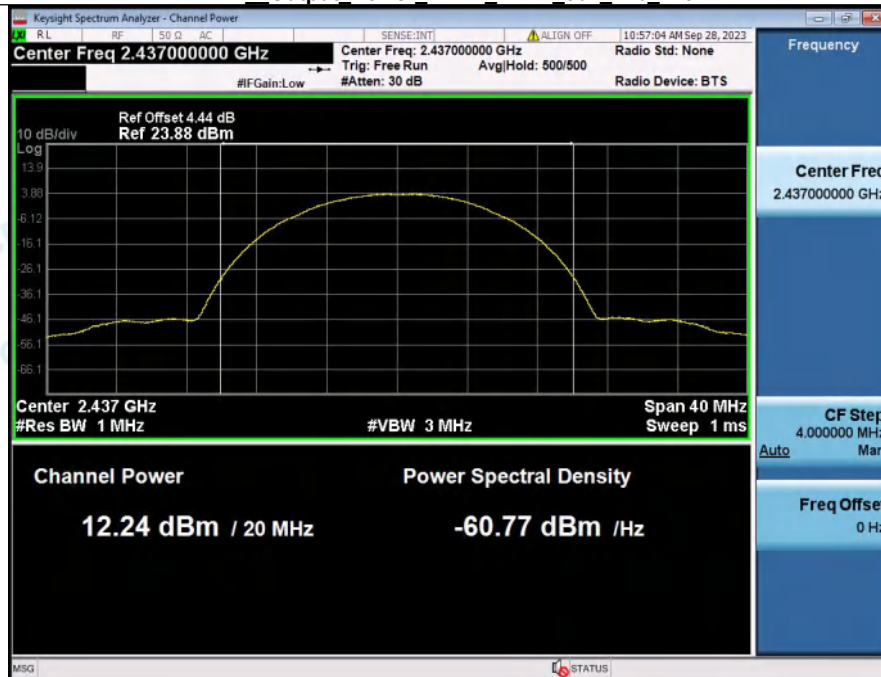
MAX Output Power NVNT_ANT2_802_11b_2412



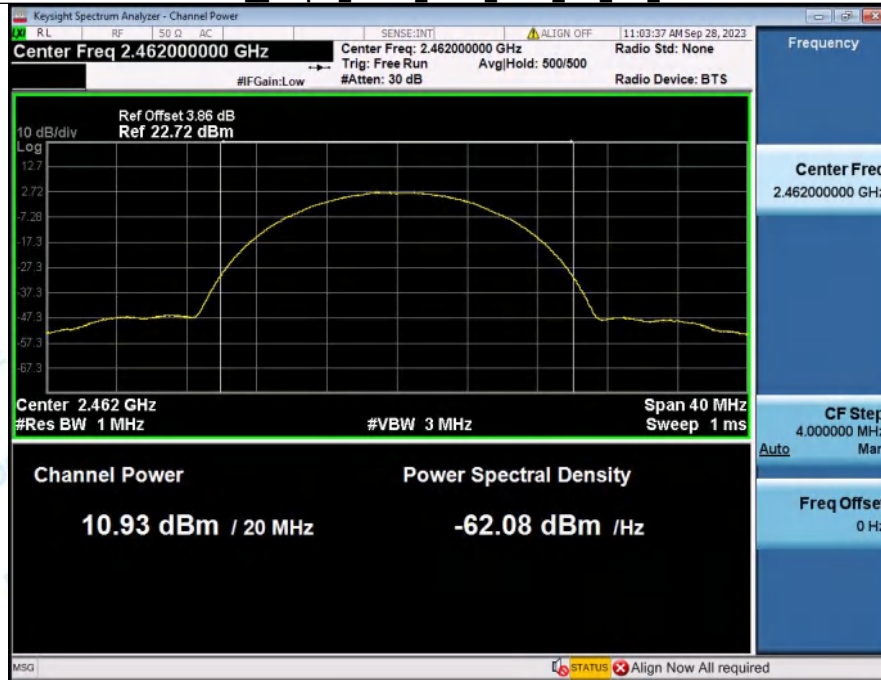
MAX Output Power NVNT ANT1 802 11b 2437



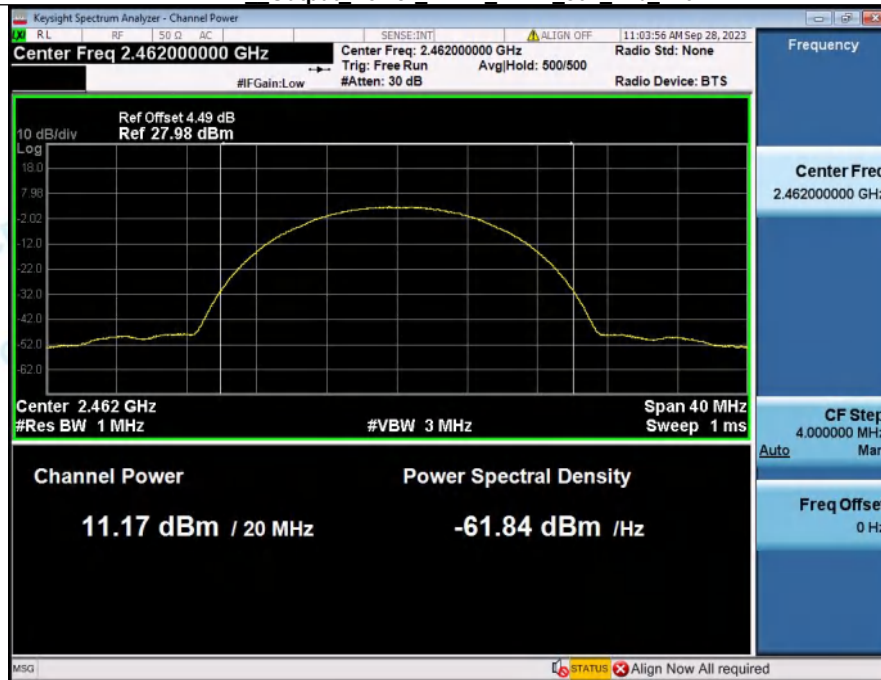
MAX Output Power NVNT ANT2 802 11b 2437



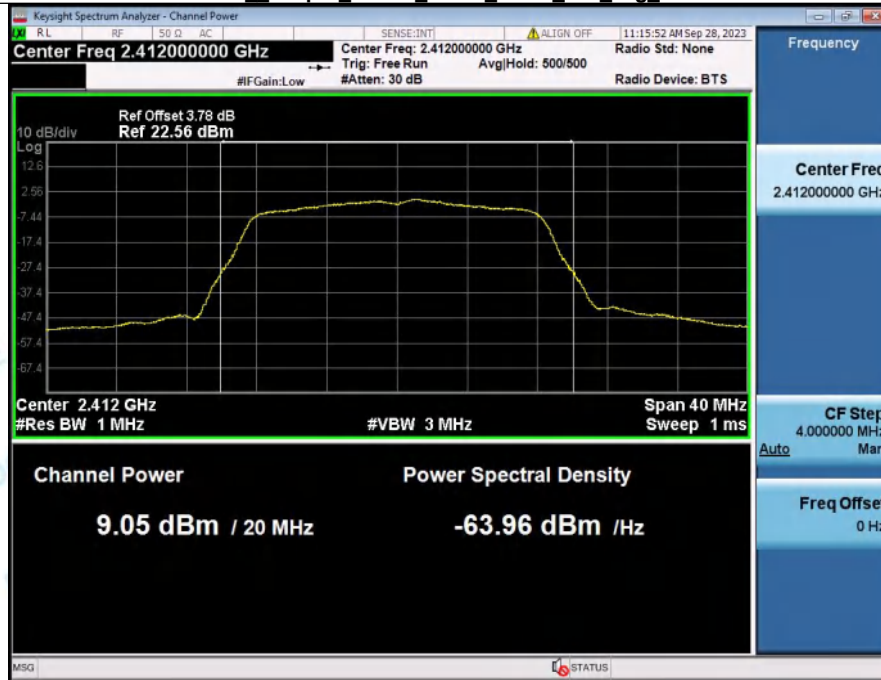
MAX Output Power NVNT_ANT1_802_11b_2462



MAX Output Power NVNT_ANT2_802_11b_2462



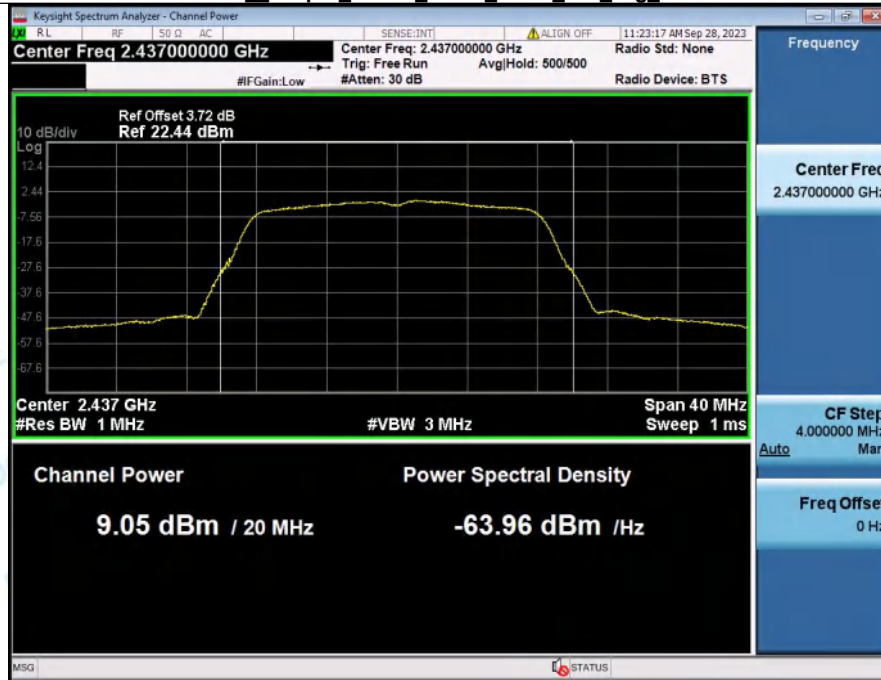
MAX Output Power NVNT ANT1 802 11g 2412



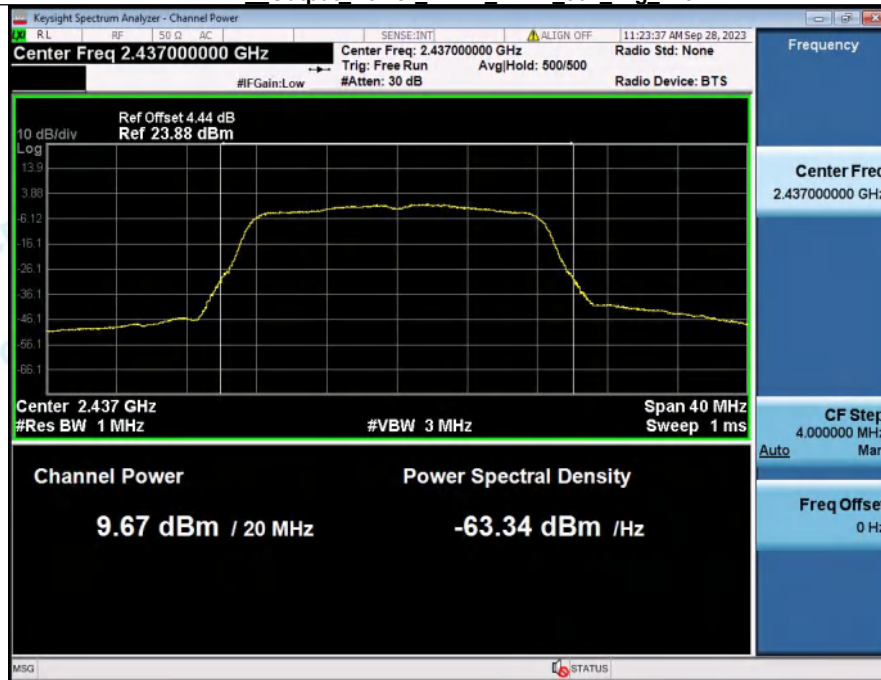
MAX Output Power NVNT ANT2 802 11g 2412



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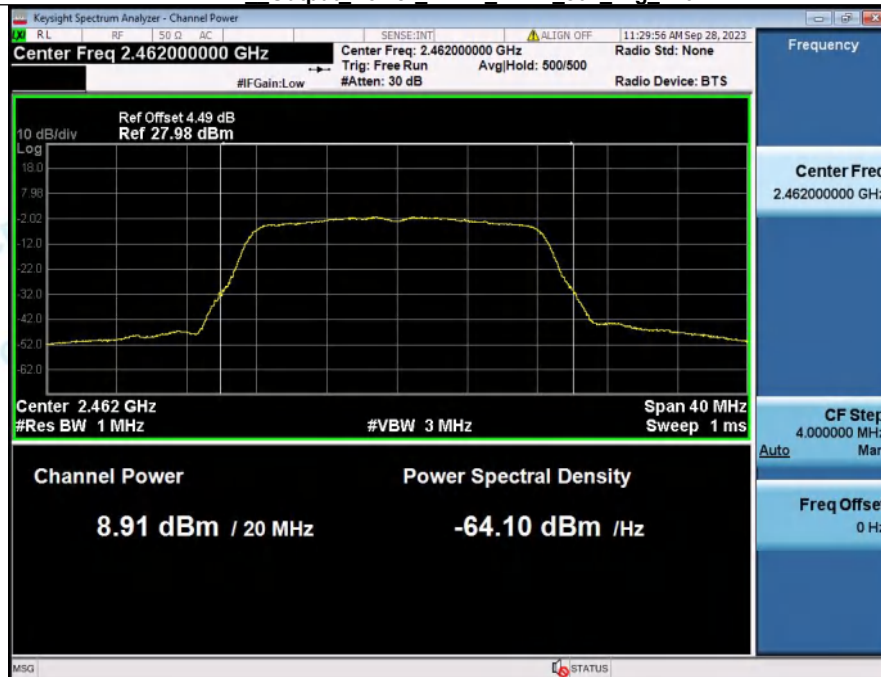
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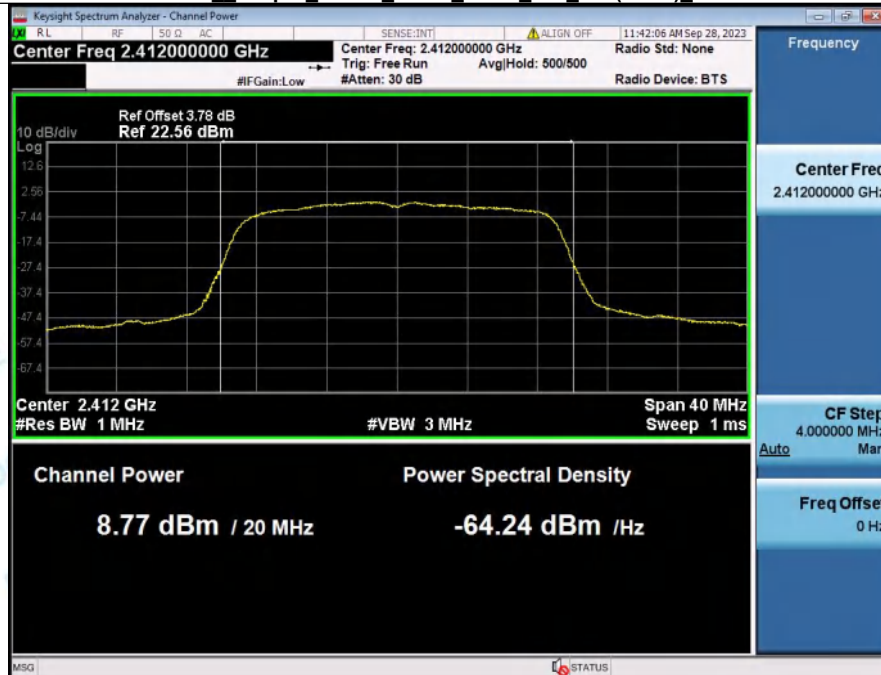
MAX Output Power NVNT ANT1 802 11g 2462



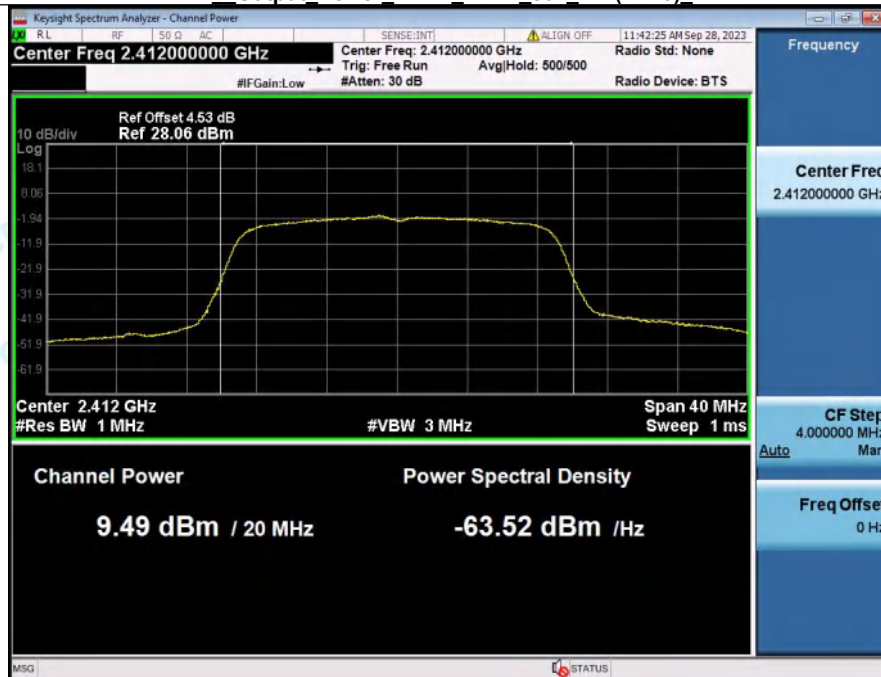
MAX Output Power NVNT ANT2 802 11g 2462



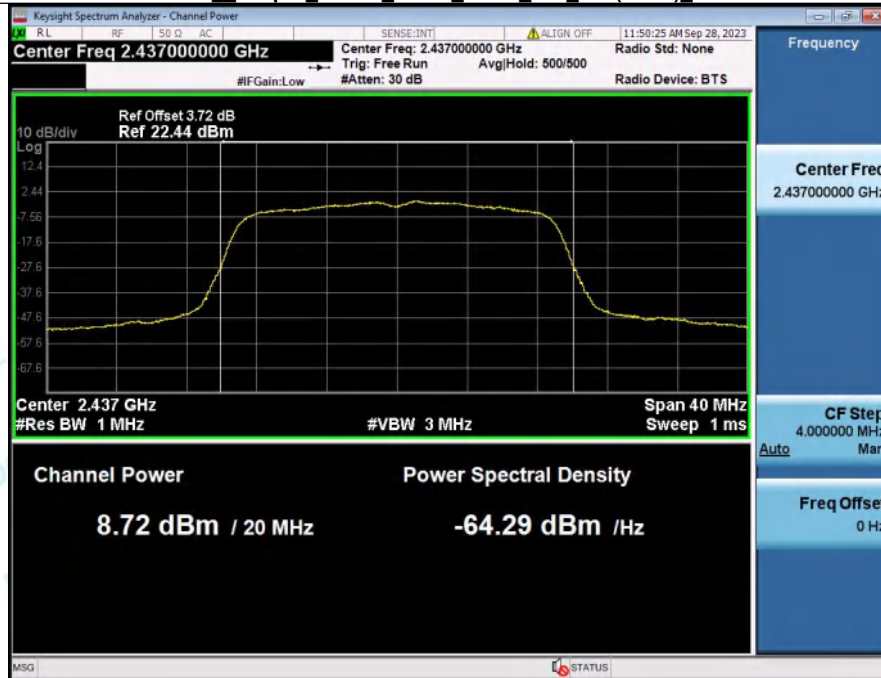
MAX Output Power_NVNT_ANT1_802_11n(HT20)_2412



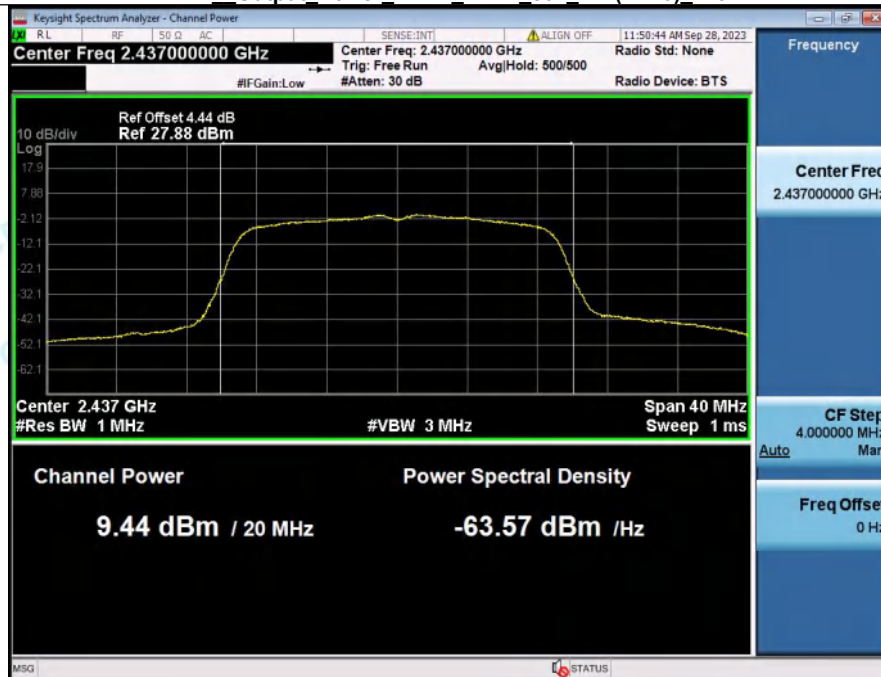
MAX Output Power_NVNT_ANT2_802_11n(HT20)_2412



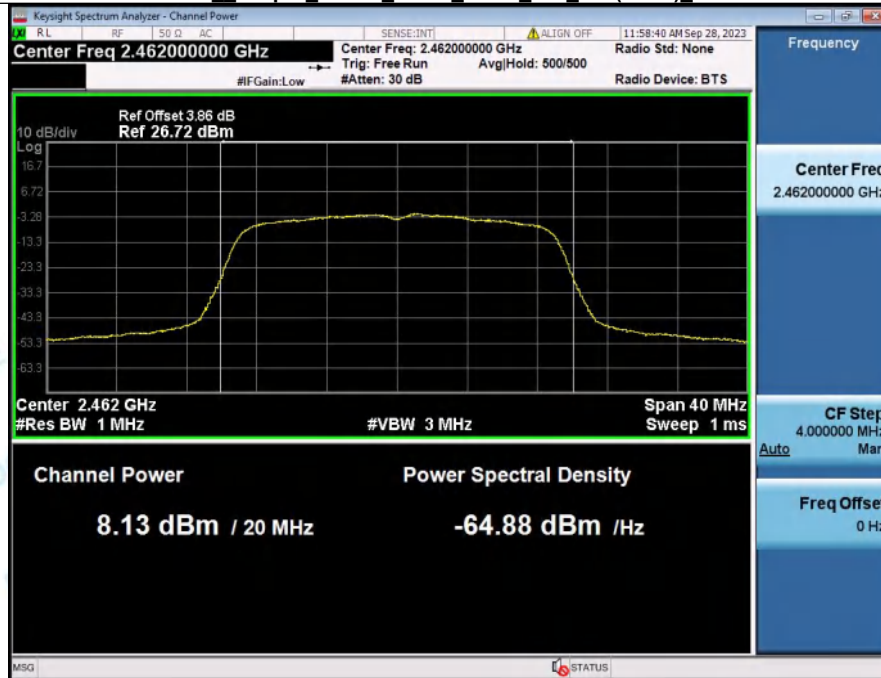
MAX Output Power_NVNT_ANT1_802_11n(HT20)_2437



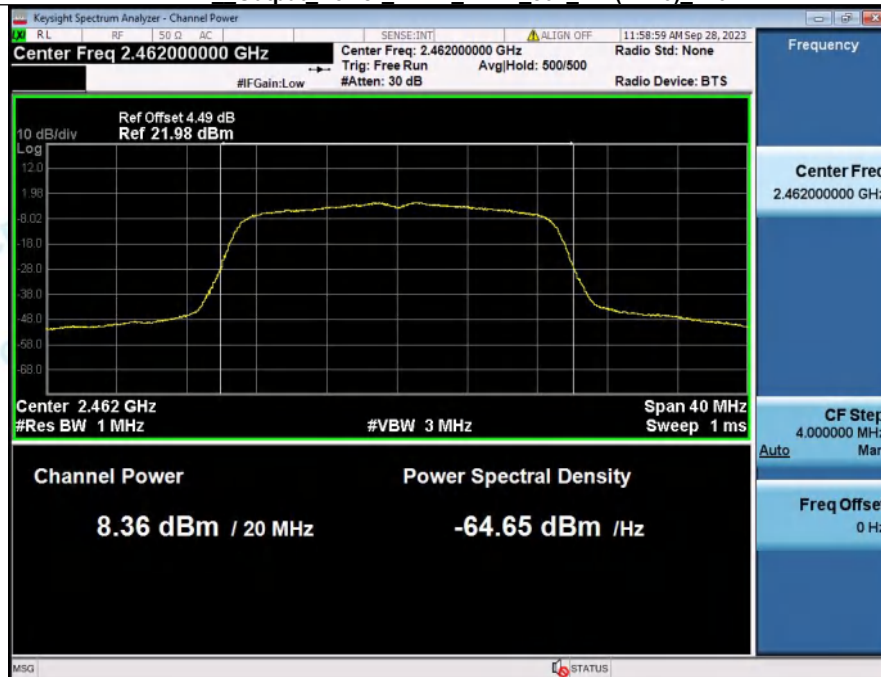
MAX Output Power_NVNT_ANT2_802_11n(HT20)_2437



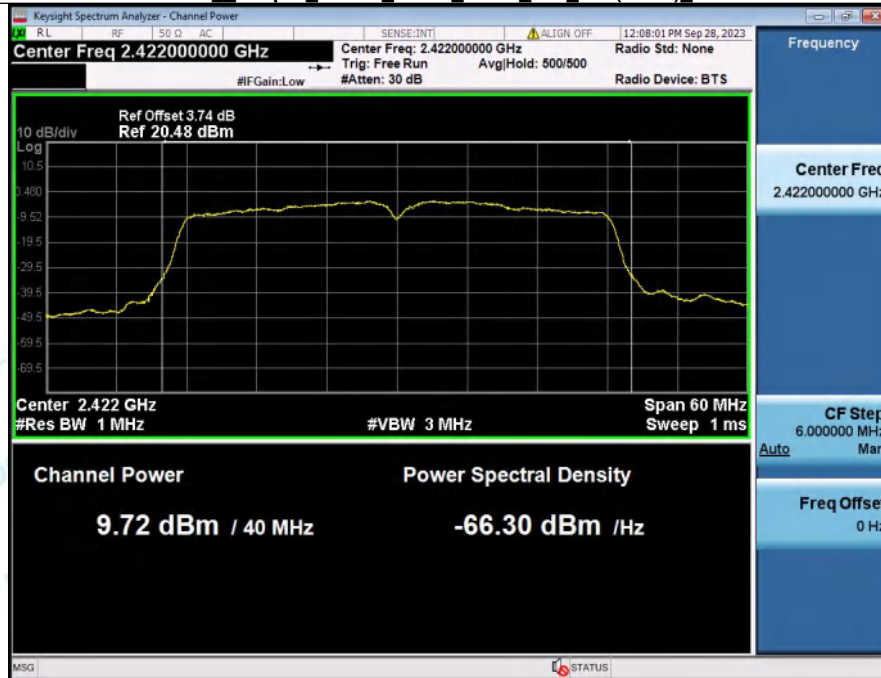
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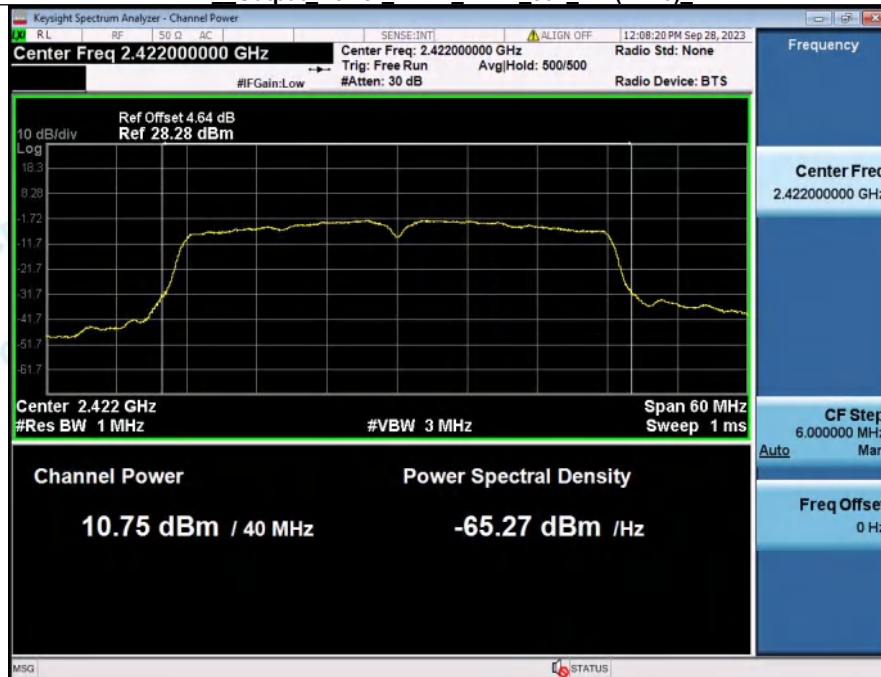
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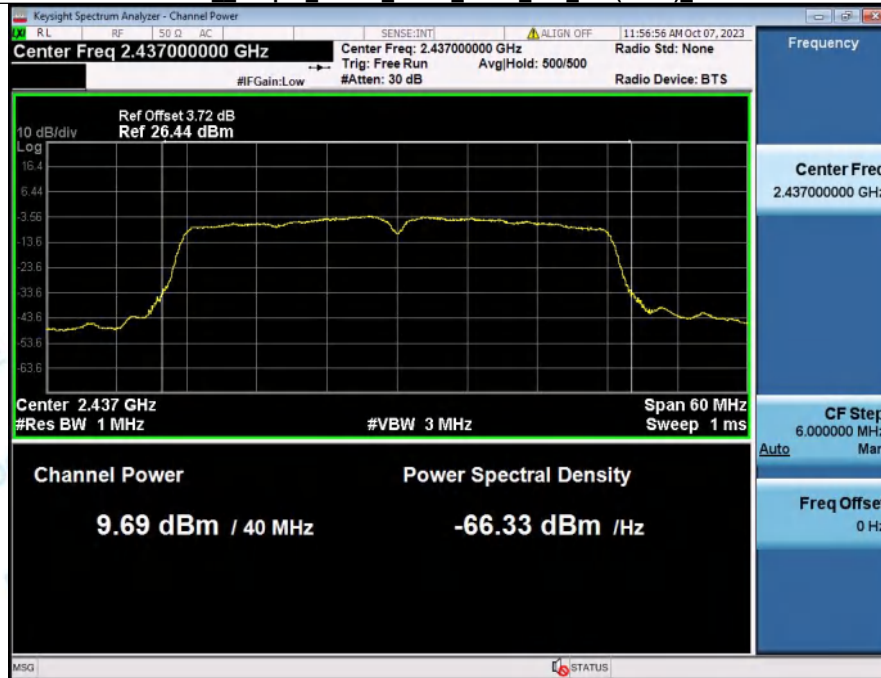
MAX Output Power_NVNT_ANT1_802_11n(HT40)_2422



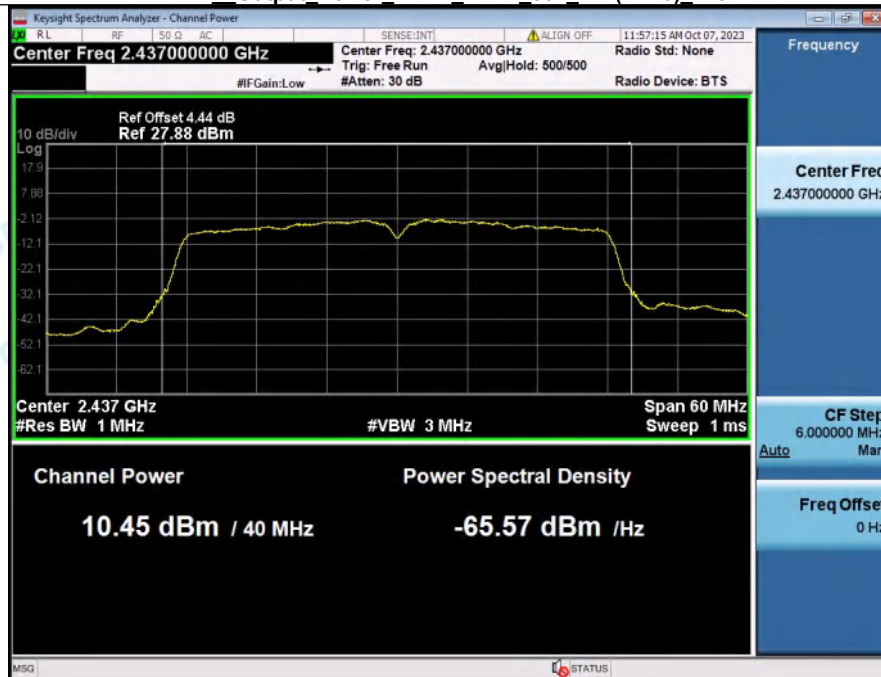
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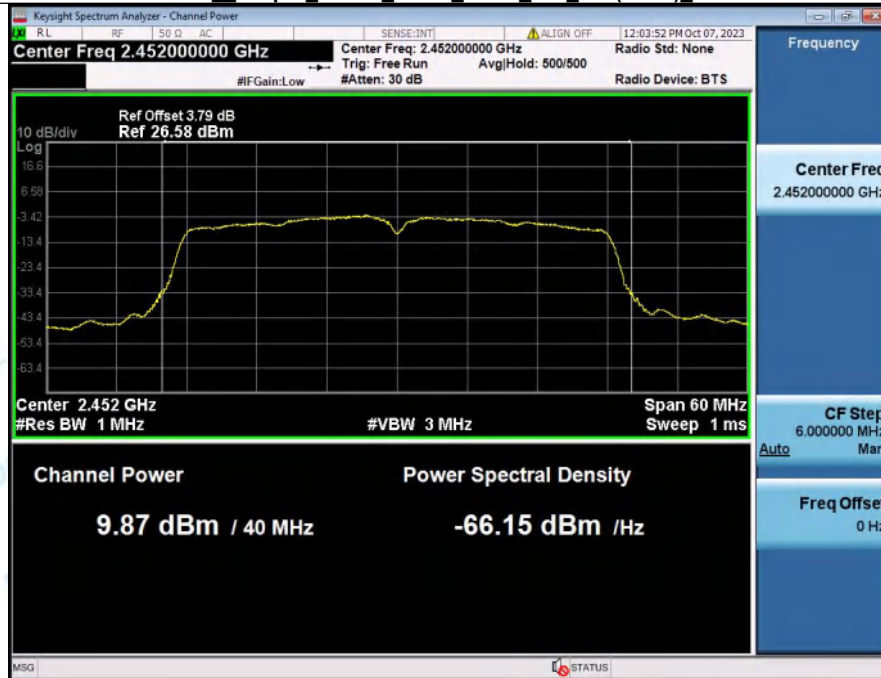
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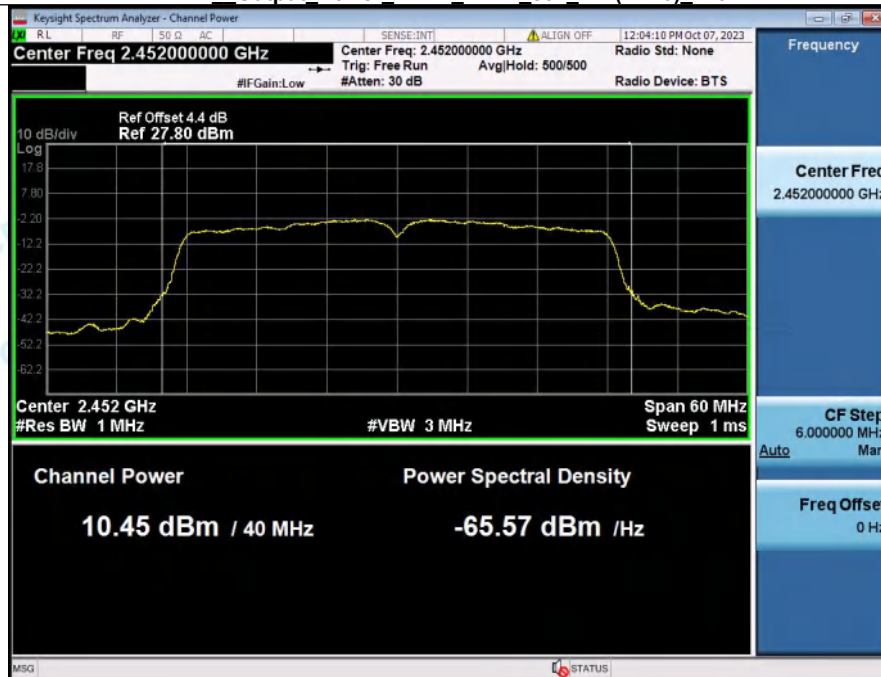
MAX Output Power_NVNT_ANT2_802_11n(HT40)_2437



MAX Output Power_NVNT_ANT1_802_11n(HT40)_2452



MAX Output Power_NVNT_ANT2_802_11n(HT40)_2452



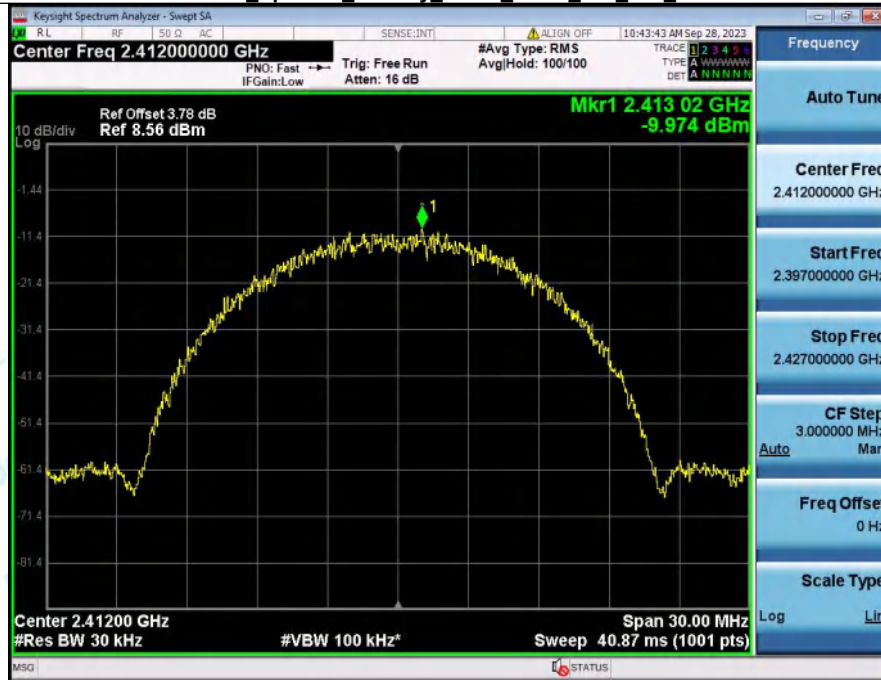
4. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/30kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	-9.97	8	Pass
NVNT	ANT2	802.11b	2412.00	-9.06	8	Pass
NVNT	ANT1	802.11b	2437.00	-9.56	8	Pass
NVNT	ANT2	802.11b	2437.00	-8.59	8	Pass
NVNT	ANT1	802.11b	2462.00	-10.08	8	Pass
NVNT	ANT2	802.11b	2462.00	-9.80	8	Pass
NVNT	ANT1	802.11g	2412.00	-13.44	8	Pass
NVNT	ANT2	802.11g	2412.00	-12.71	8	Pass
NVNT	ANT1	802.11g	2437.00	-13.57	8	Pass
NVNT	ANT2	802.11g	2437.00	-12.79	8	Pass
NVNT	ANT1	802.11g	2462.00	-13.77	8	Pass
NVNT	ANT2	802.11g	2462.00	-14.04	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-13.56	8	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	-11.64	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-13.89	8	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	-11.89	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-14.08	8	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	-12.74	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-14.43	8	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	-12.40	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-14.51	8	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	-13.29	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-14.06	8	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	-13.12	8	Pass

Condition	Antenna	Mode	Frequency(MHz)	PSD(dBm/30kHz)	limit(dBm/3kHz)	Result
NVNT	MIMO_TX	802.11n(HT20)	2412.00	-9.48	8	Pass
NVNT	MIMO_TX	802.11n(HT20)	2437.00	-9.77	8	Pass
NVNT	MIMO_TX	802.11n(HT20)	2462.00	-10.35	8	Pass
NVNT	MIMO_TX	802.11n(HT40)	2422.00	-10.29	8	Pass
NVNT	MIMO_TX	802.11n(HT40)	2437.00	-10.85	8	Pass
NVNT	MIMO_TX	802.11n(HT40)	2452.00	-10.55	8	Pass

$$P_{ant1} \text{ (MW)} = 10^{\frac{PSD_{ant1}}{10}}, P_{ant2} \text{ (MW)} = 10^{\frac{PSD_{ant2}}{10}}, P_{MIMO} \text{ (dBm)} = 10 * \log(P_{ant1} \text{ (MW)} + P_{ant2} \text{ (MW)})$$

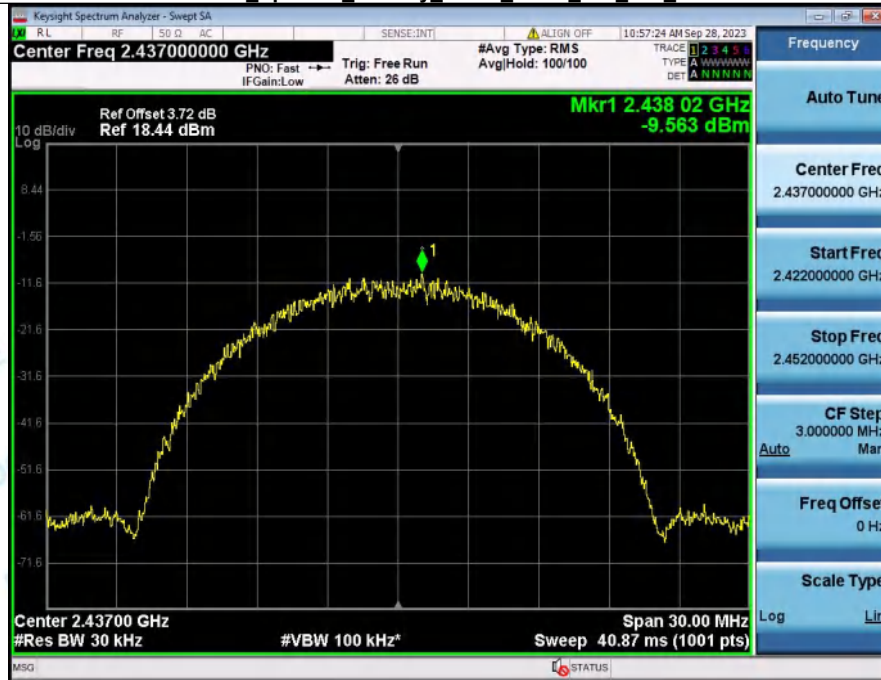
Power Spectral Density NVNT ANT1 802 11b 2412



Power Spectral Density NVNT ANT2 802 11b 2412



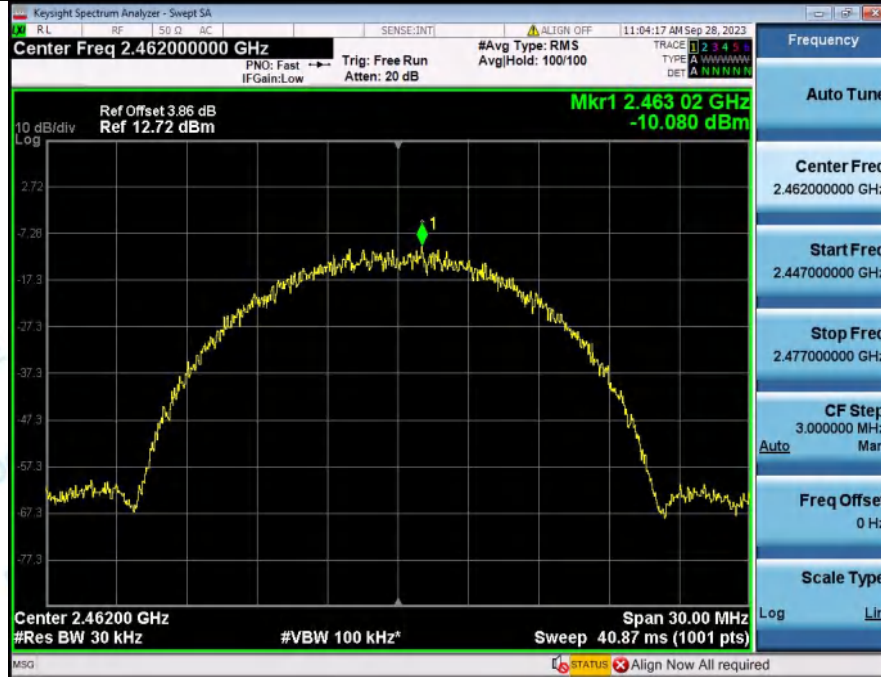
Power Spectral Density NVNT_ANT1_802_11b_2437



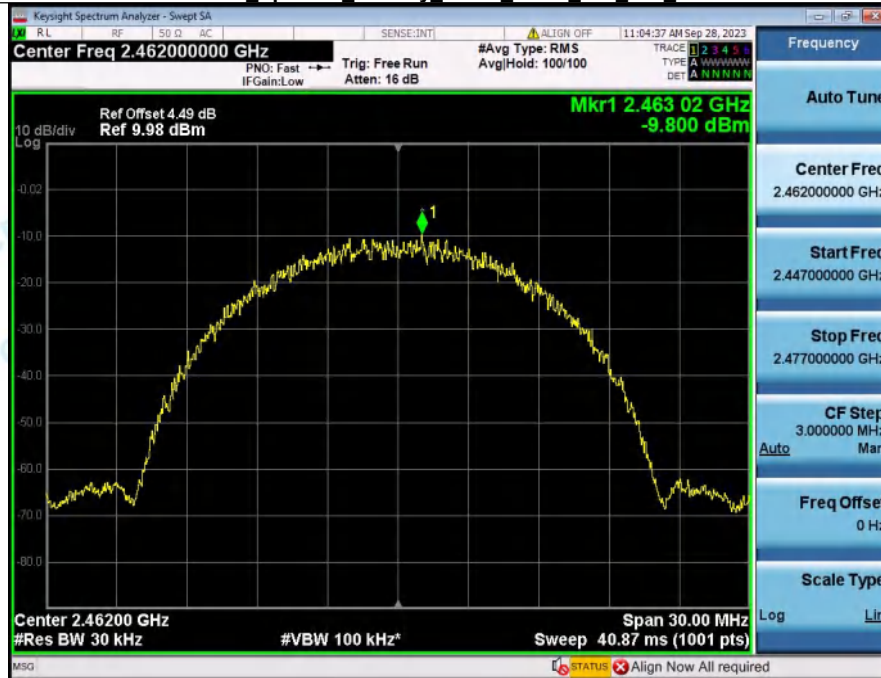
Power Spectral Density NVNT_ANT2_802_11b_2437



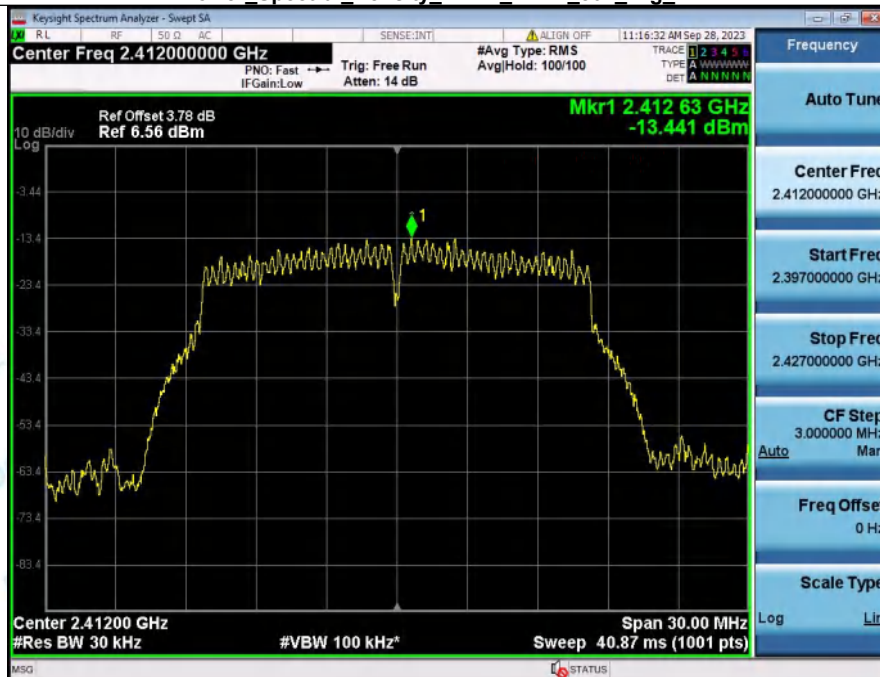
Power Spectral Density_NVNT_ANT1_802_11b_2462



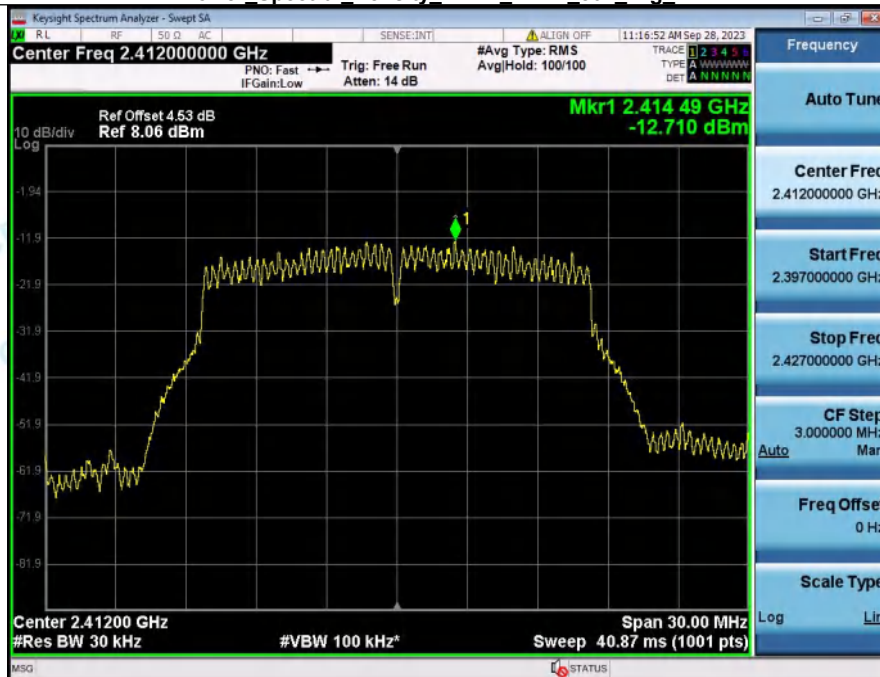
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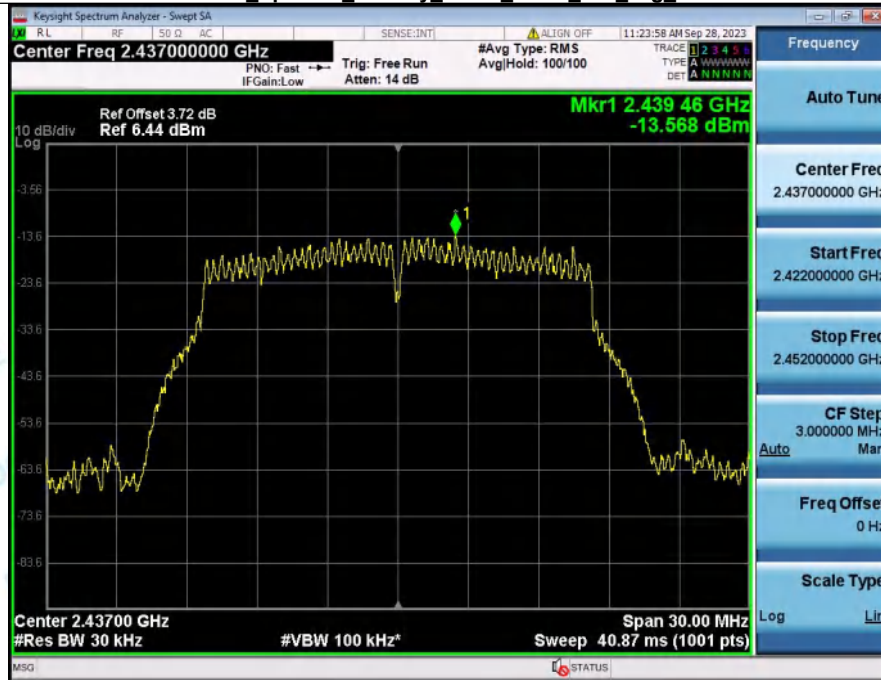
Power Spectral Density NVNT ANT1 802 11g 2412



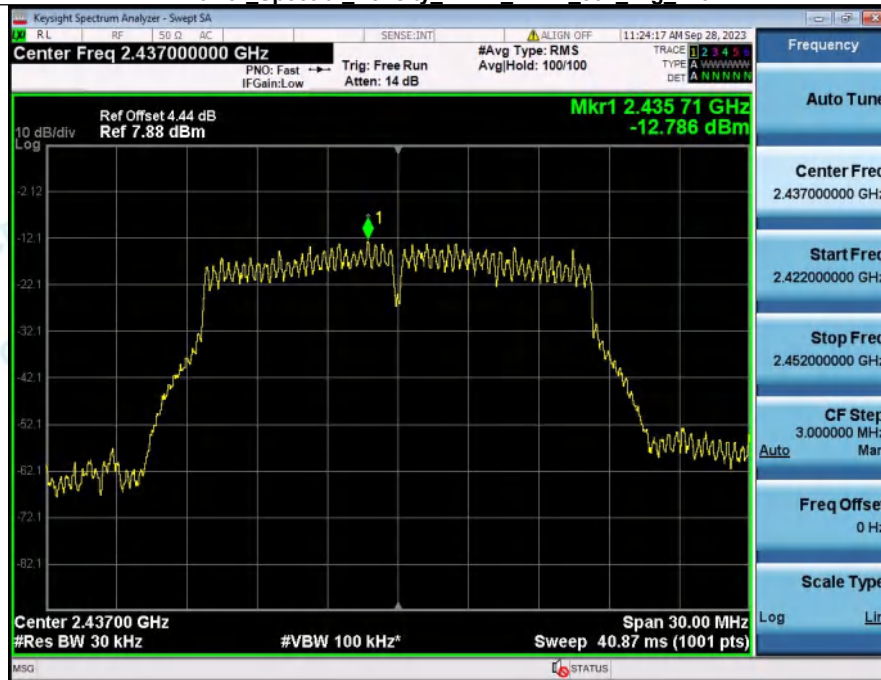
Power Spectral Density NVNT ANT2 802 11g 2412



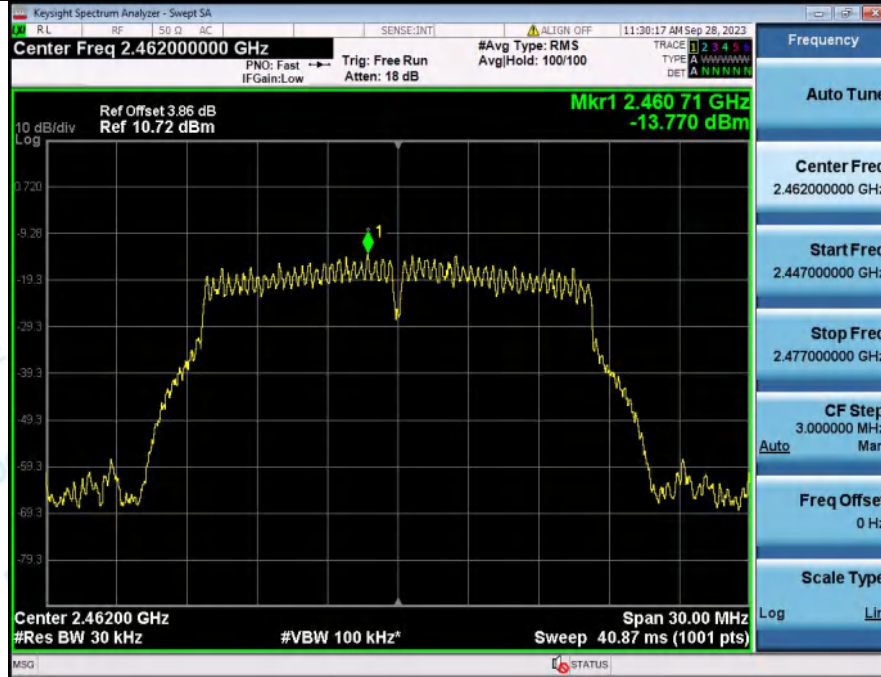
Power Spectral Density NVNT ANT1 802 11g 2437



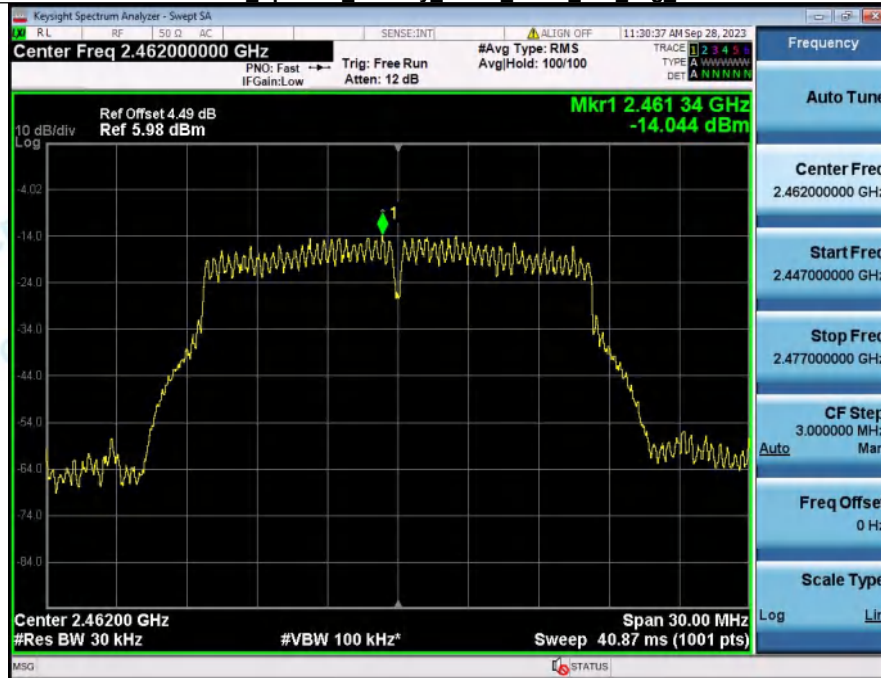
Power Spectral Density NVNT ANT2 802 11g 2437



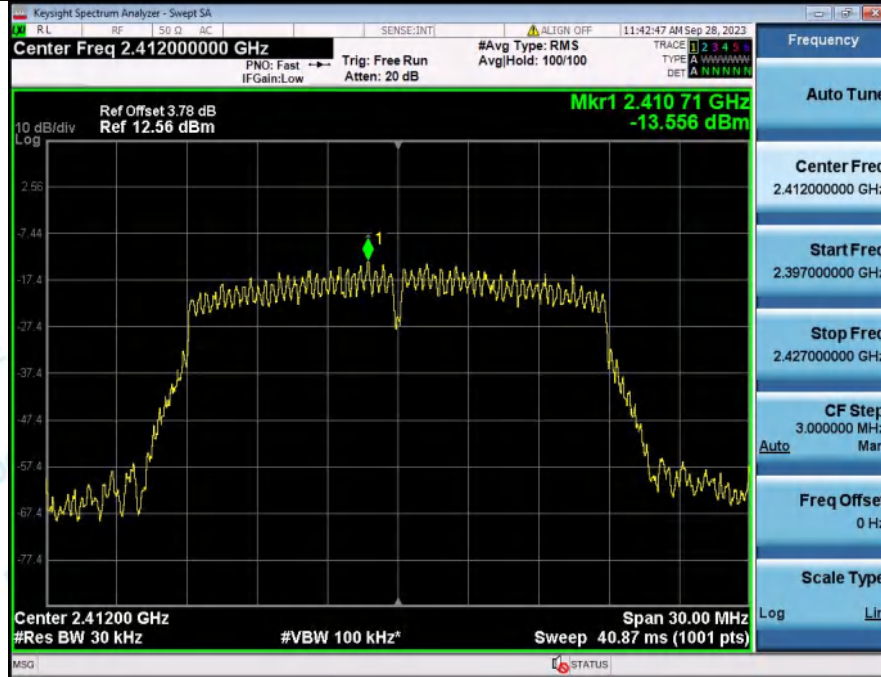
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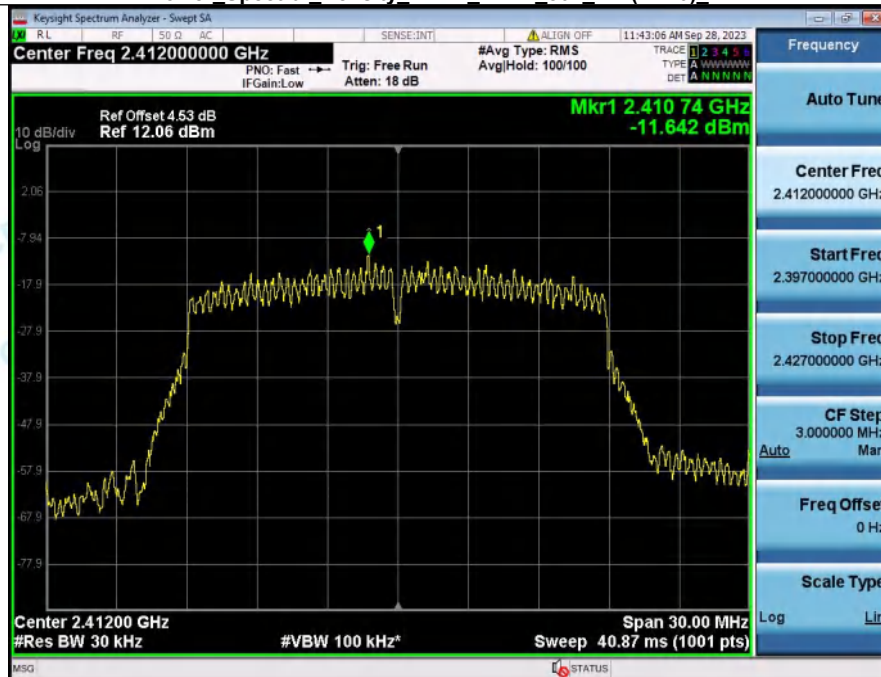
Power Spectral Density NVNT ANT2 802 11g 2462



Power Spectral Density NVNT_ANT1_802_11n(HT20)_2412



Power Spectral Density NVNT_ANT2_802_11n(HT20)_2412



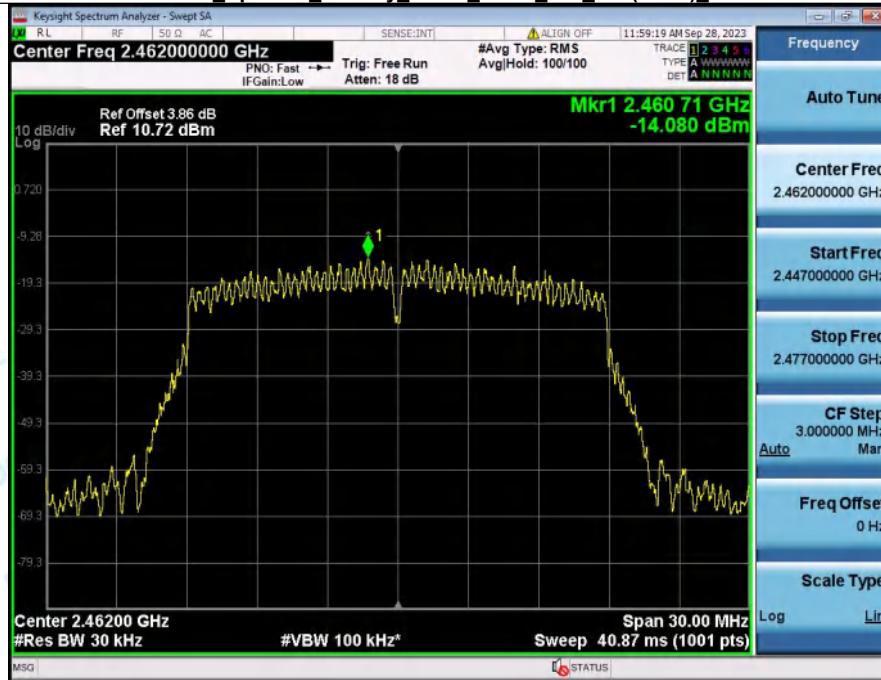
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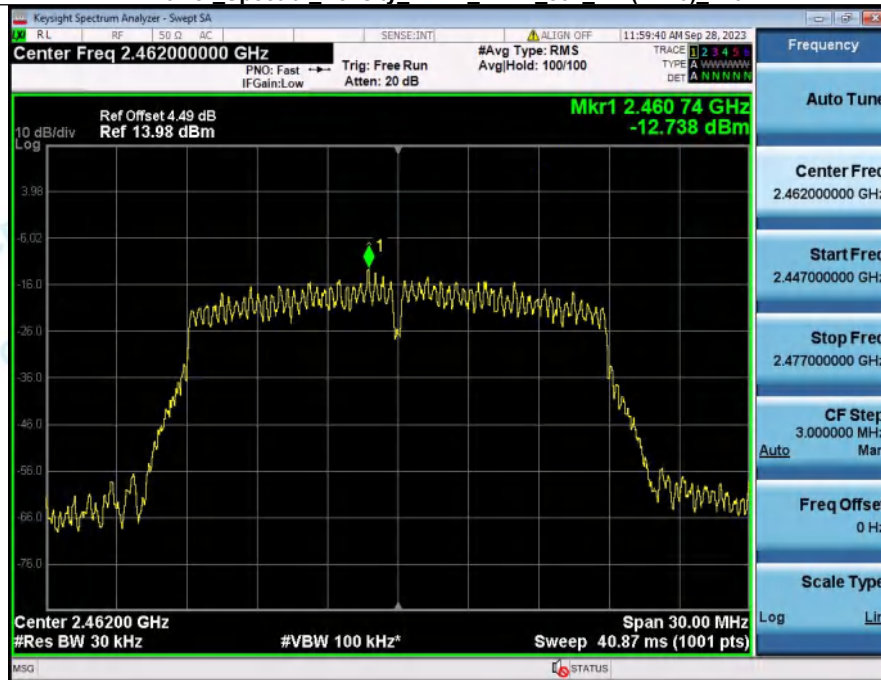
Power Spectral Density_NVNT_ANT2_802_11n(HT20)_2437



Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2462



Power Spectral Density_NVNT_ANT2_802_11n(HT20)_2462



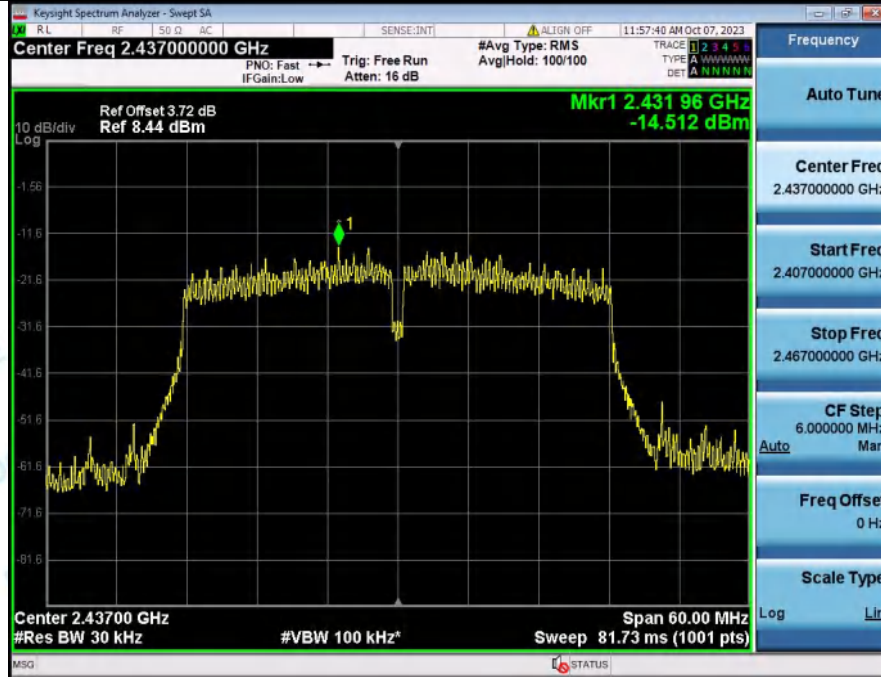
Power Spectral Density NVNT_ANT1_802_11n(HT40)_2422



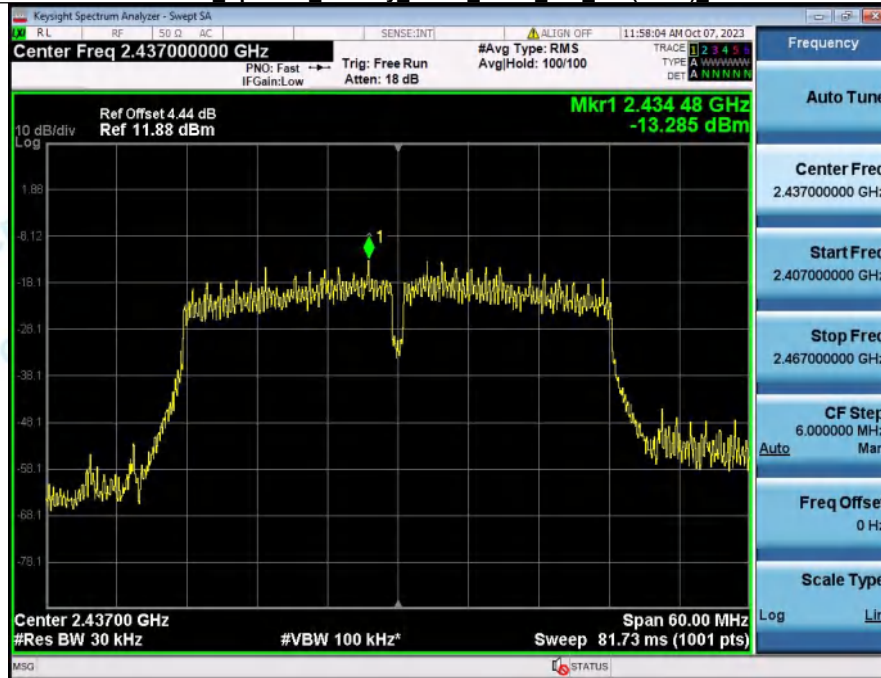
Power Spectral Density NVNT_ANT2_802_11n(HT40)_2422



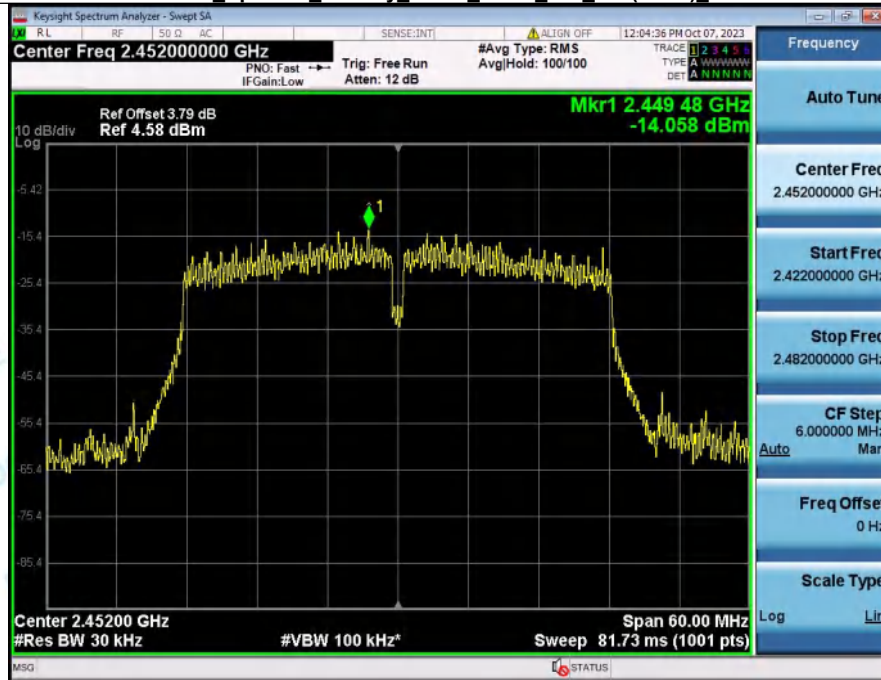
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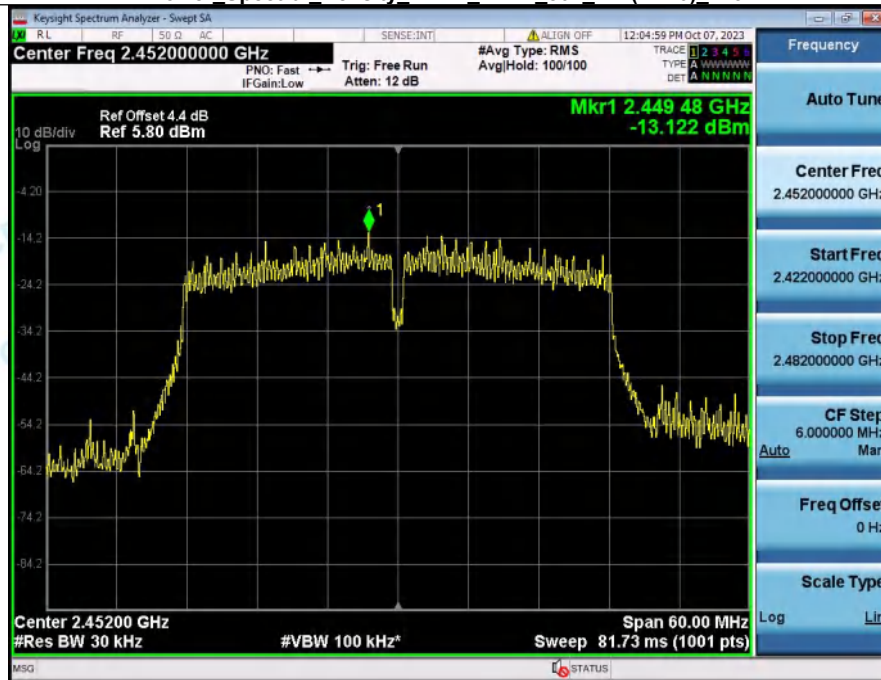
Power Spectral Density_NVNT_ANT2_802_11n(HT40)_2437



Power Spectral Density NVNT_ANT1_802_11n(HT40)_2452



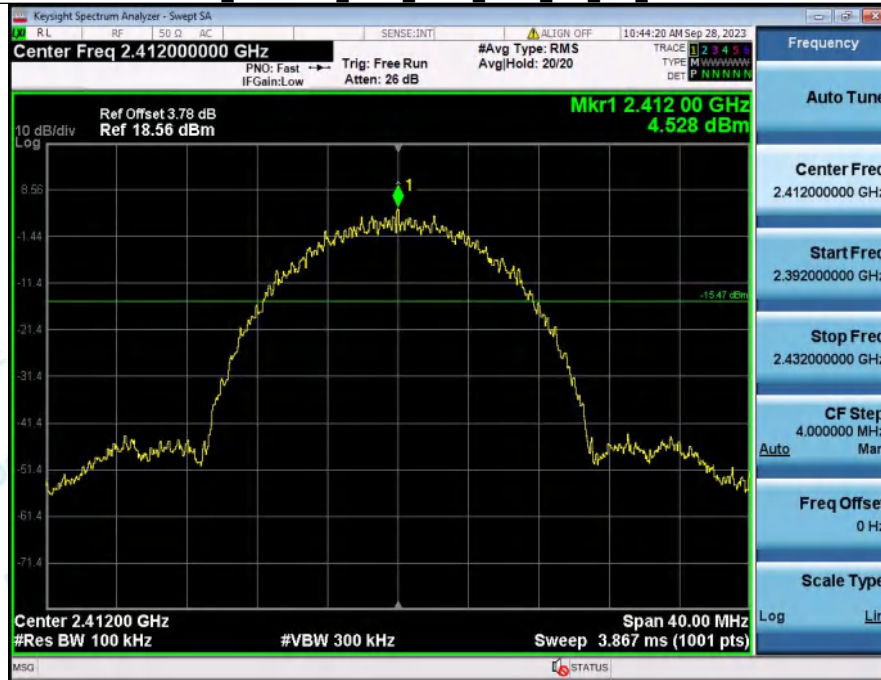
Power Spectral Density NVNT_ANT2_802_11n(HT40)_2452



5. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	2396.464	-44.675	-15.472	Pass
NVNT	ANT2	802.11b	2412.00	2398.928	-43.632	-15.472	Pass
NVNT	ANT1	802.11b	2462.00	2494.480	-55.844	-15.806	Pass
NVNT	ANT2	802.11b	2462.00	2488.432	-55.735	-15.806	Pass
NVNT	ANT1	802.11g	2412.00	2399.824	-42.430	-17.810	Pass
NVNT	ANT2	802.11g	2412.00	2398.256	-42.719	-17.810	Pass
NVNT	ANT1	802.11g	2462.00	2486.992	-50.438	-18.246	Pass
NVNT	ANT2	802.11g	2462.00	2499.520	-51.416	-18.246	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.824	-43.079	-17.769	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	2397.024	-41.002	-17.769	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2484.448	-49.481	-18.421	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	2483.536	-49.584	-18.421	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2399.496	-36.803	-18.962	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	2399.496	-35.627	-18.962	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2484.496	-40.982	-18.583	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	2484.496	-34.828	-18.583	Pass

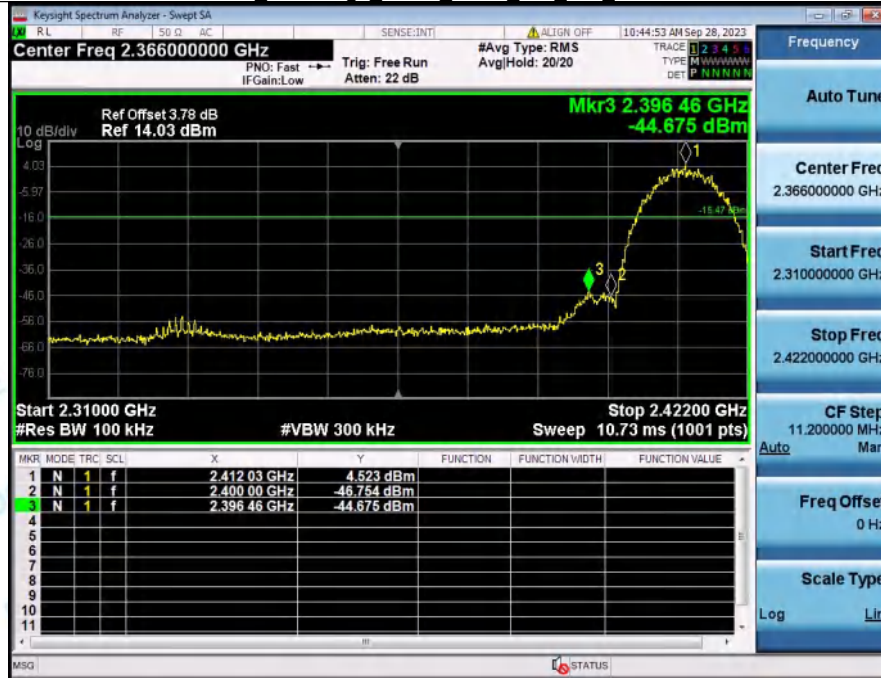
1 Reference Level NVNT_ANT1_802_11b_2412



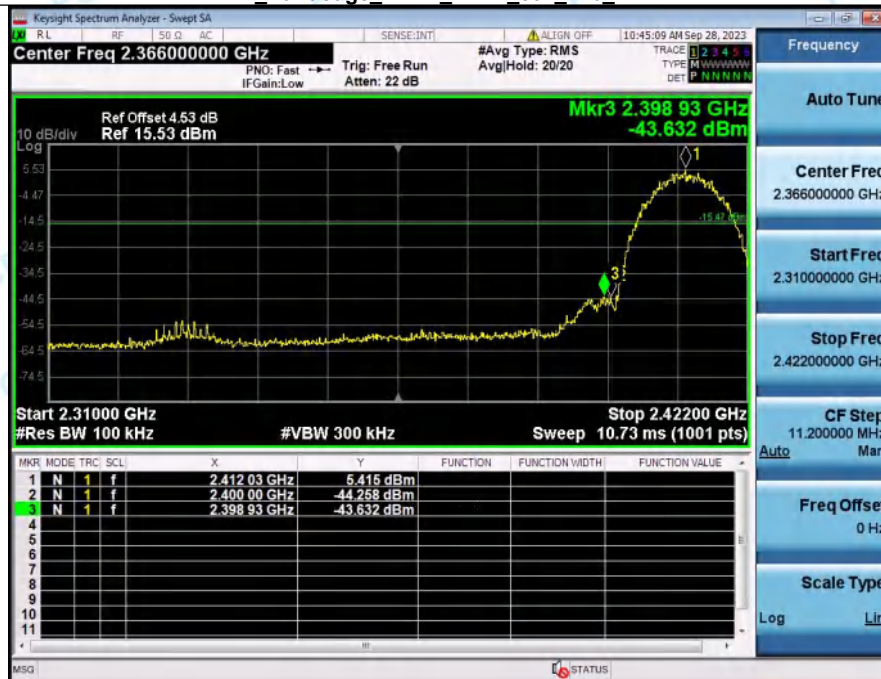
1 Reference Level NVNT_ANT2_802_11b_2412



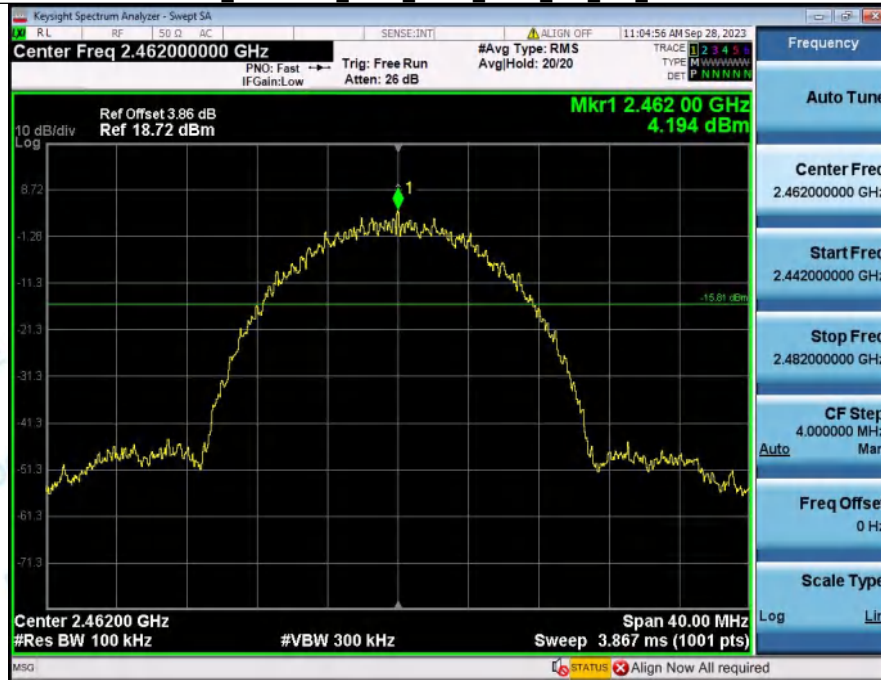
2 Bandedge NVNT ANT1 802 11b 2412



2 Bandedge NVNT ANT2 802 11b 2412



1 Reference Level NVNT ANT1 802 11b 2462



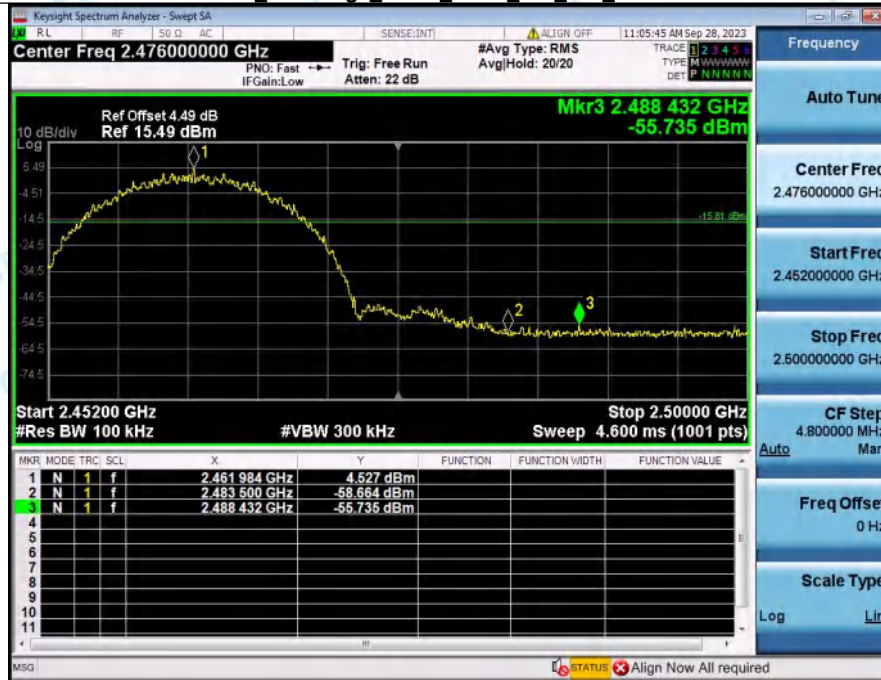
1 Reference Level NVNT ANT2 802 11b 2462



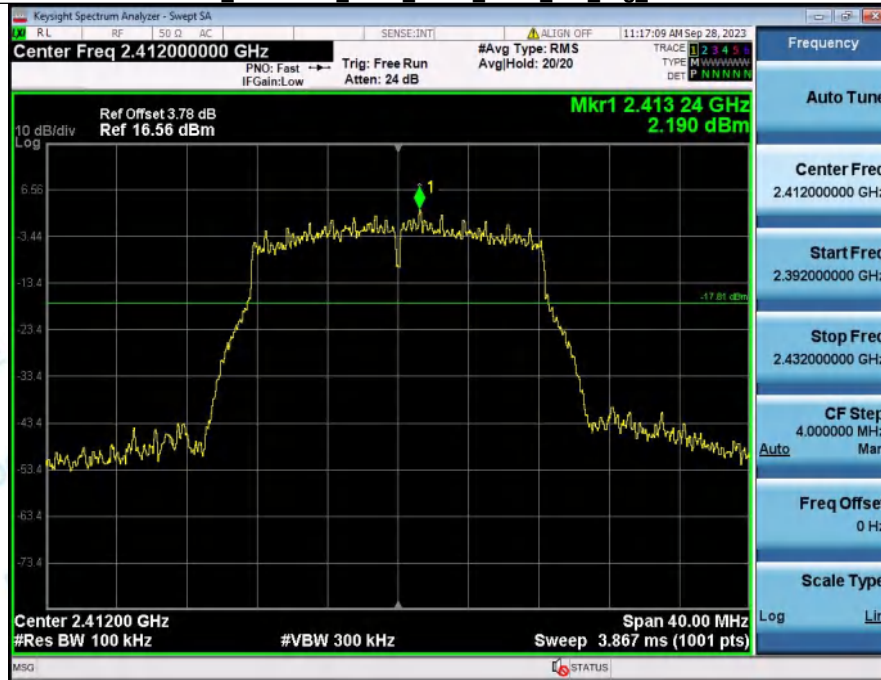
2 Bandedge NVNT ANT1 802 11b 2462



2 Bandedge NVNT ANT2 802 11b 2462



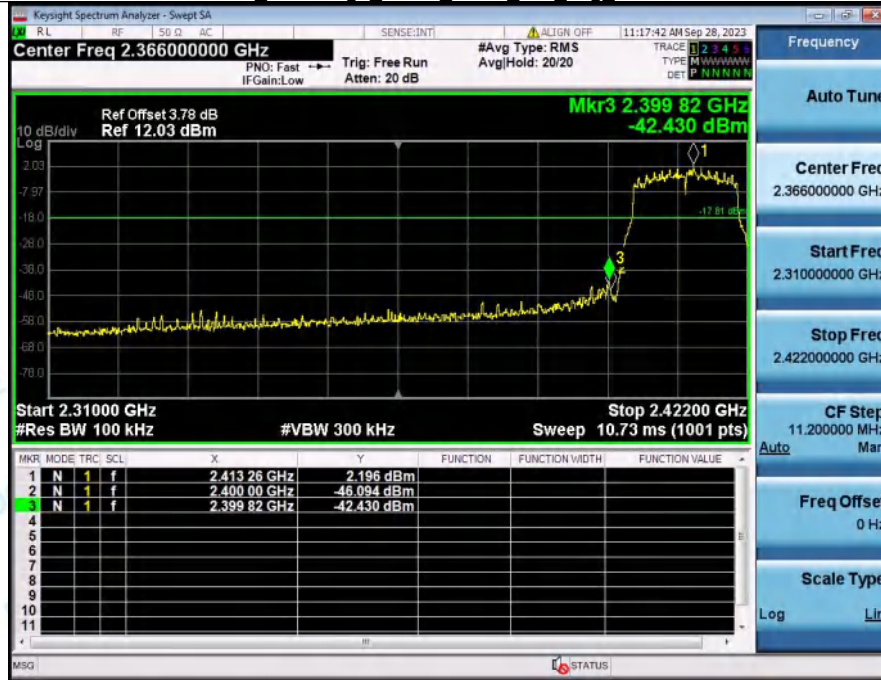
1 Reference Level NVNT ANT1 802 11g 2412



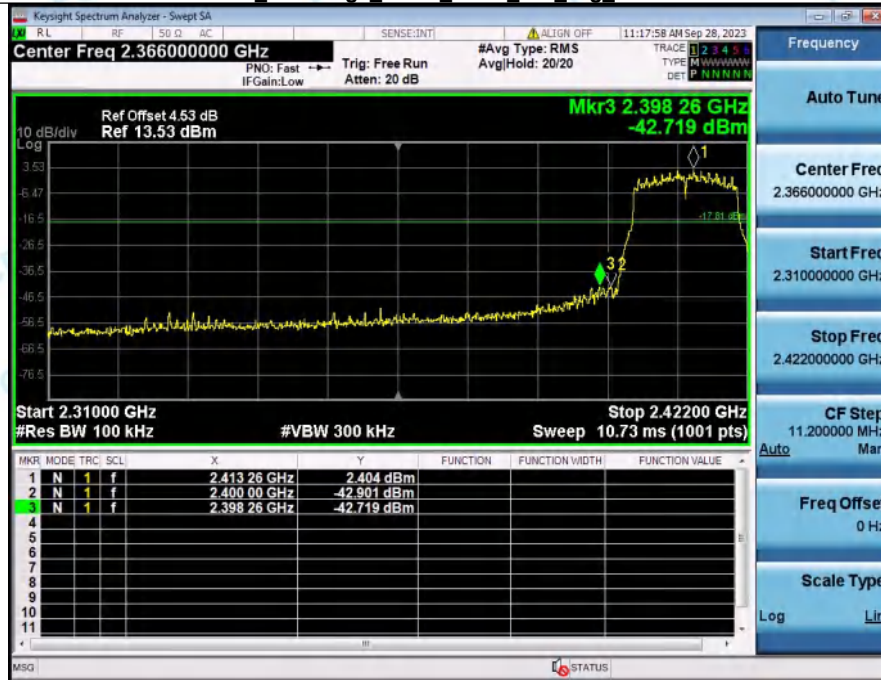
1 Reference Level NVNT ANT2 802 11g 2412



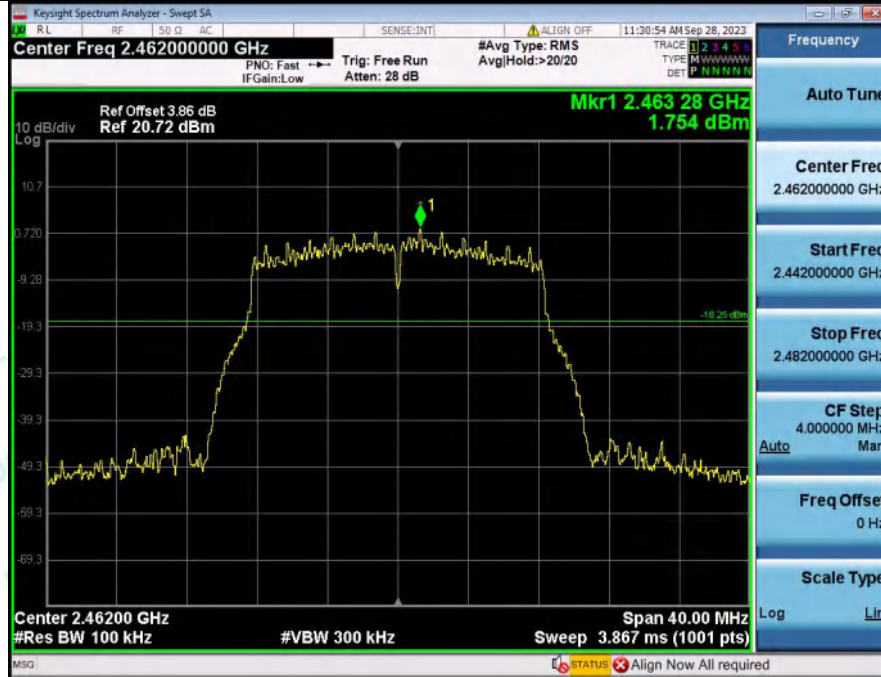
2 Bandedge NVNT ANT1 802 11g 2412



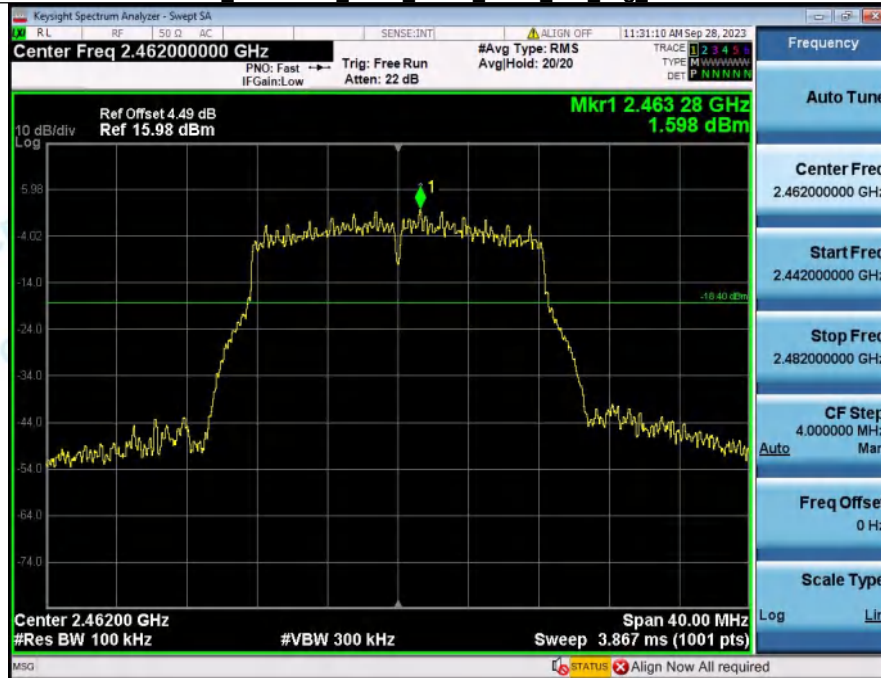
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1 Reference Level NVNT_ANT1_802_11g_2462



1 Reference Level NVNT_ANT2_802_11g_2462



2 Bandedge NVNT ANT1 802 11g 2462



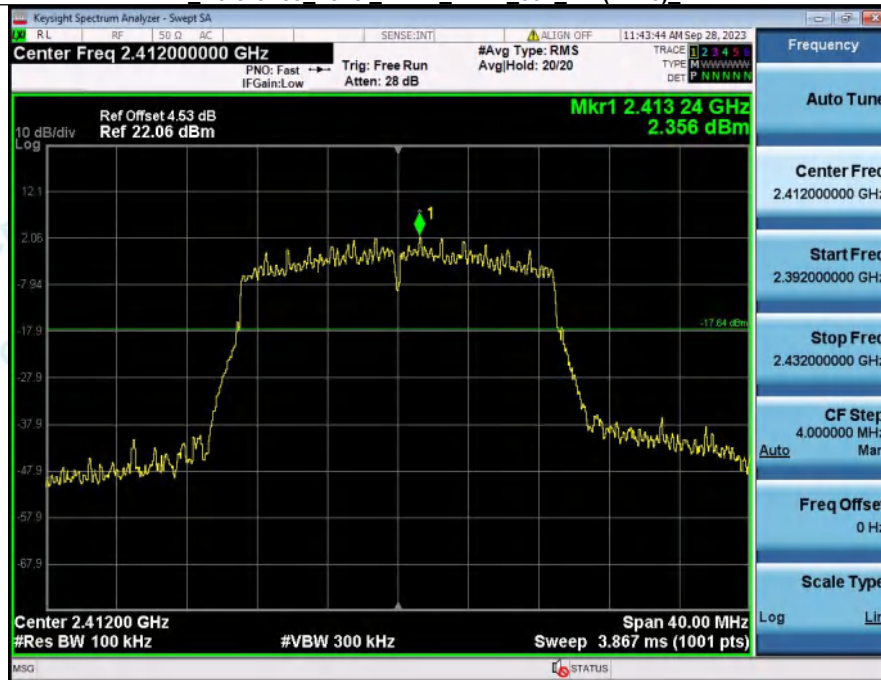
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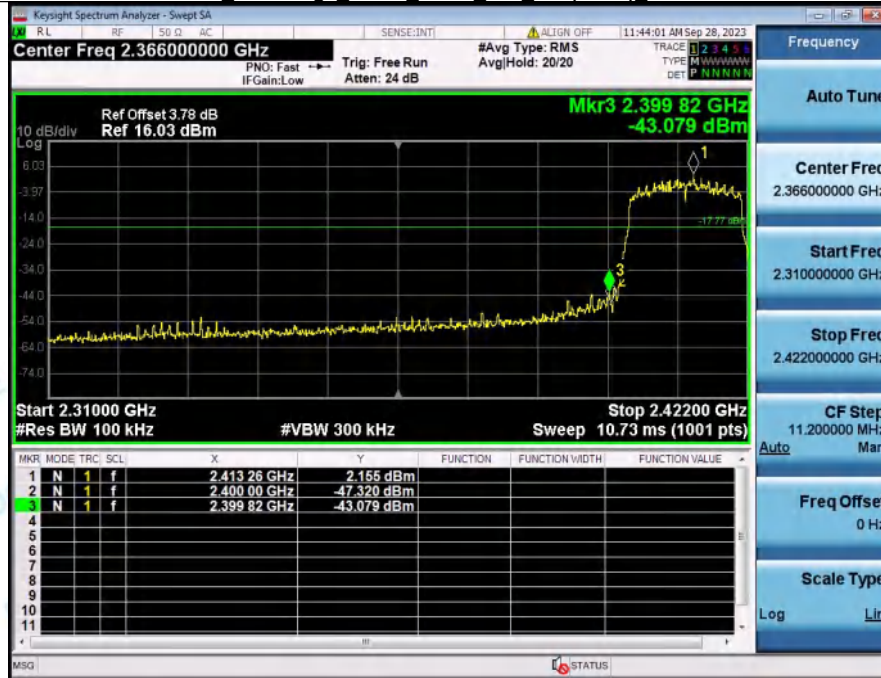
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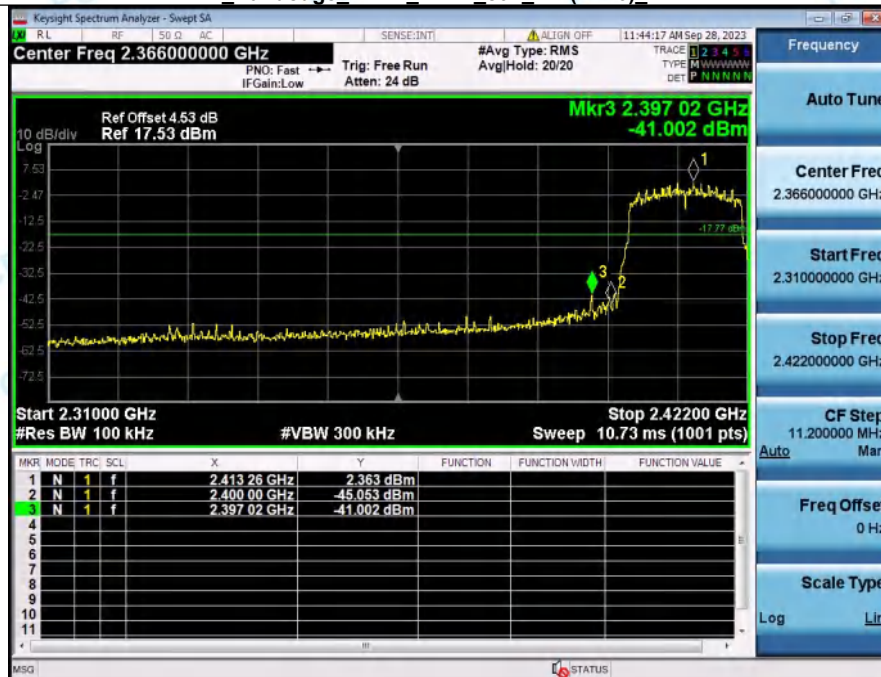
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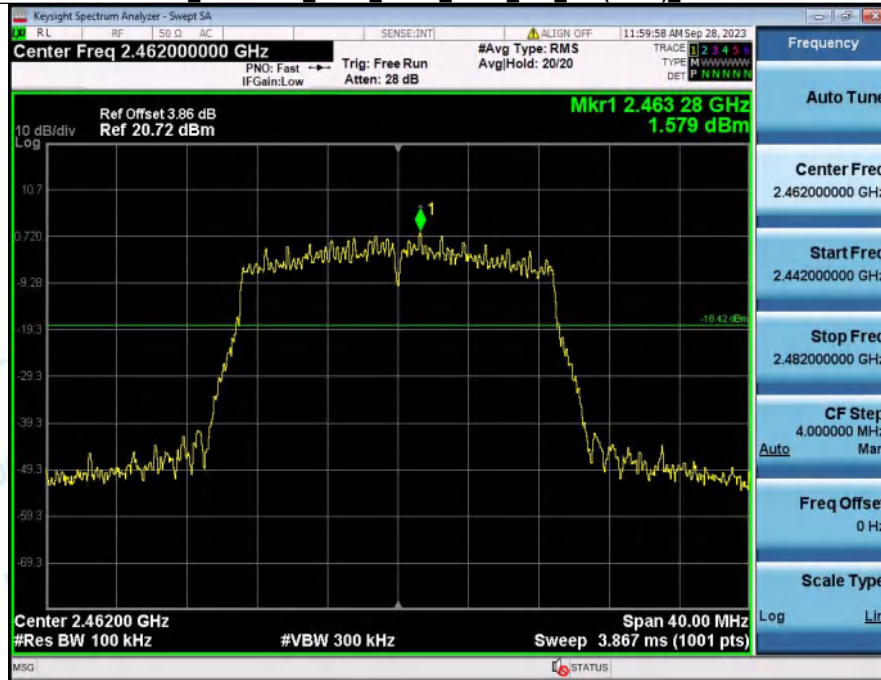
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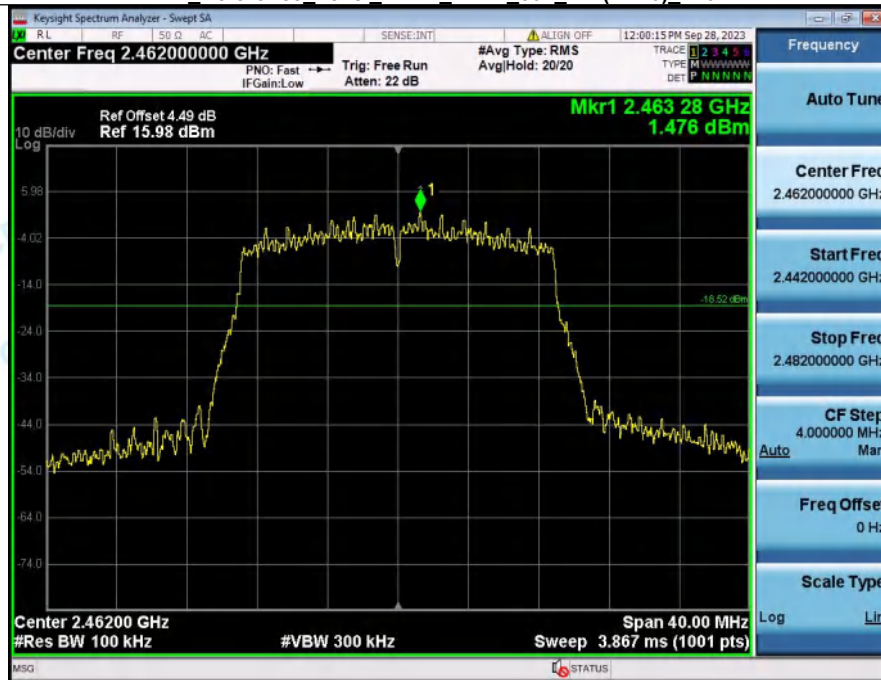
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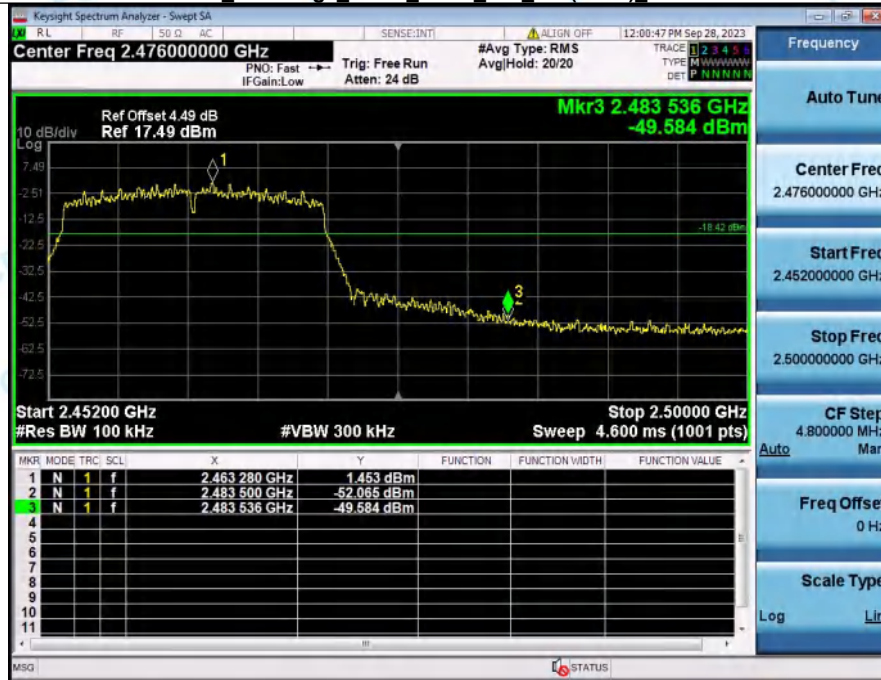
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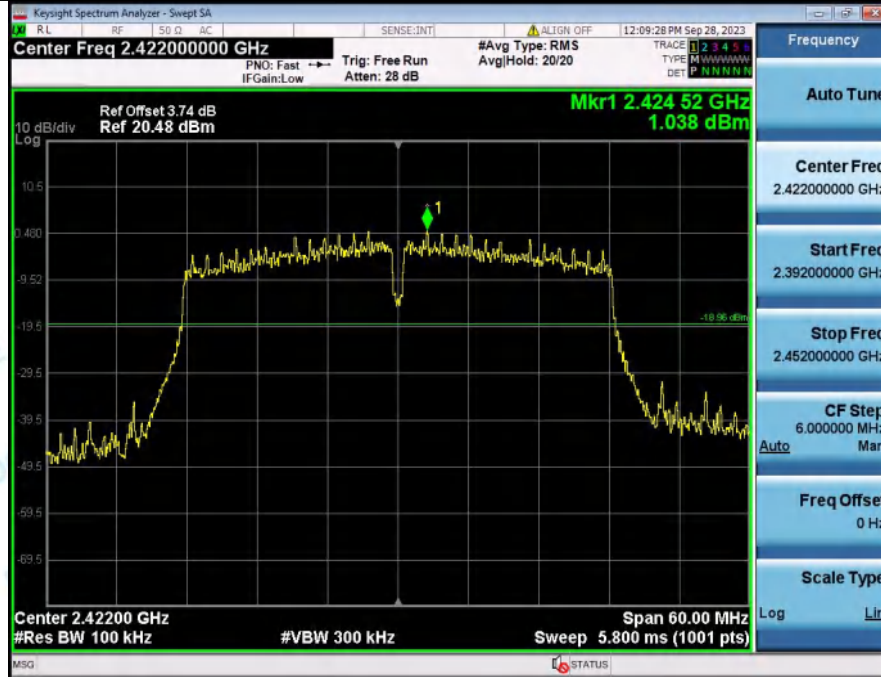
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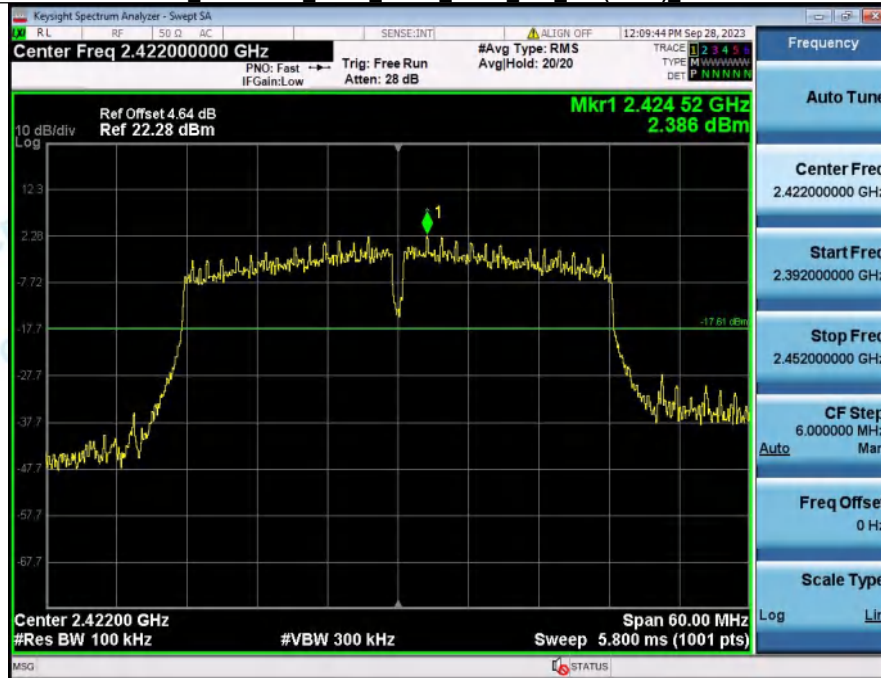
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1 Reference_Level_NVNT_ANT1_802_11n(HT40)_2422



1 Reference_Level_NVNT_ANT2_802_11n(HT40)_2422



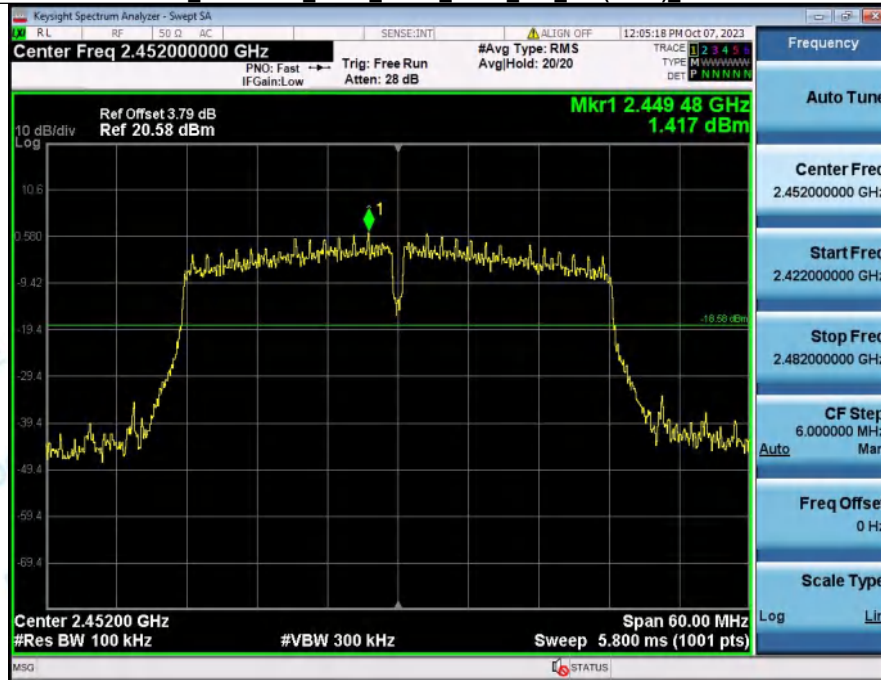
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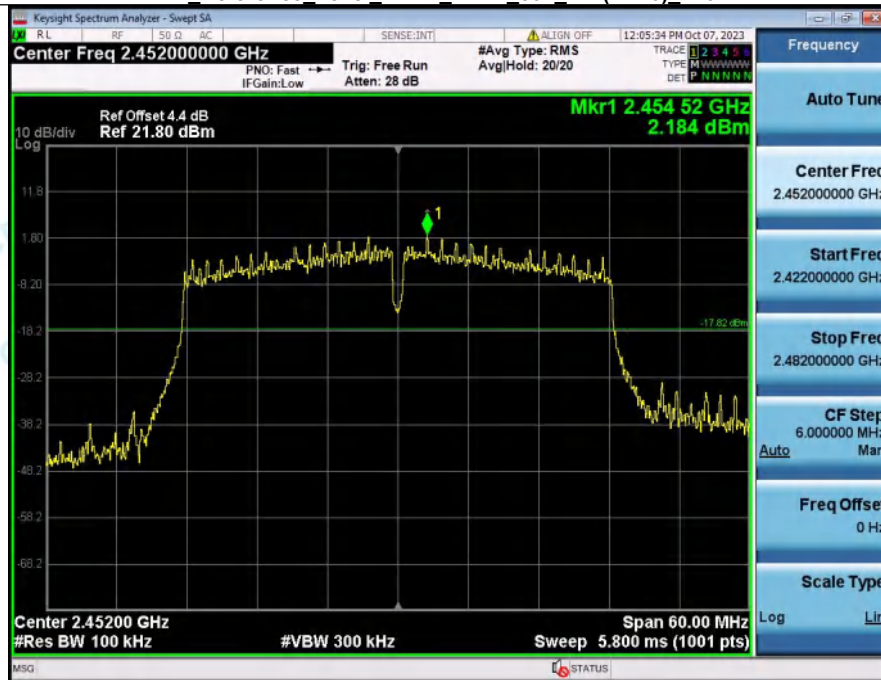
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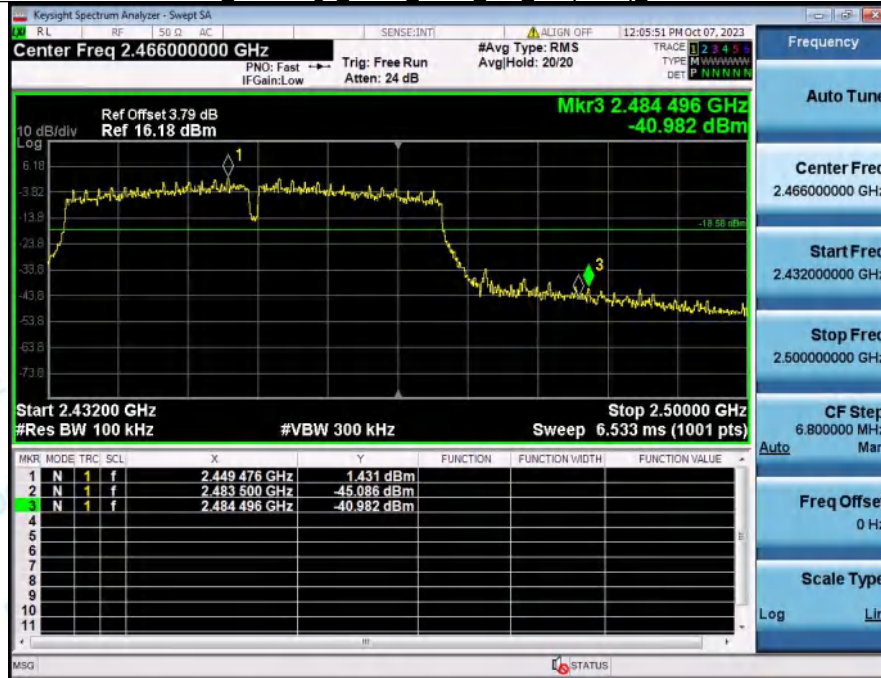
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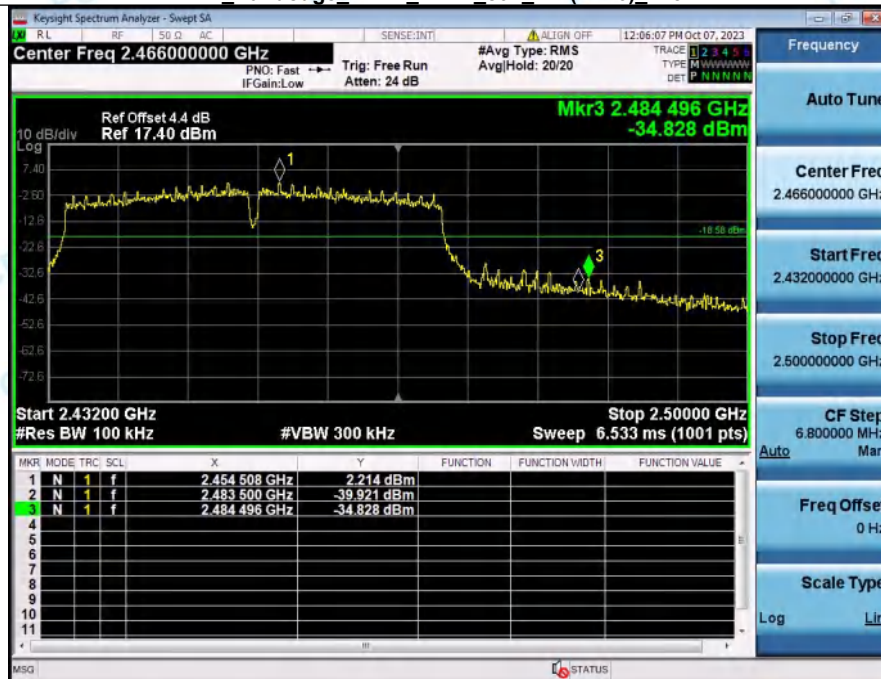
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2 Bandedge NVNT ANT1 802 11n(HT40) 2452



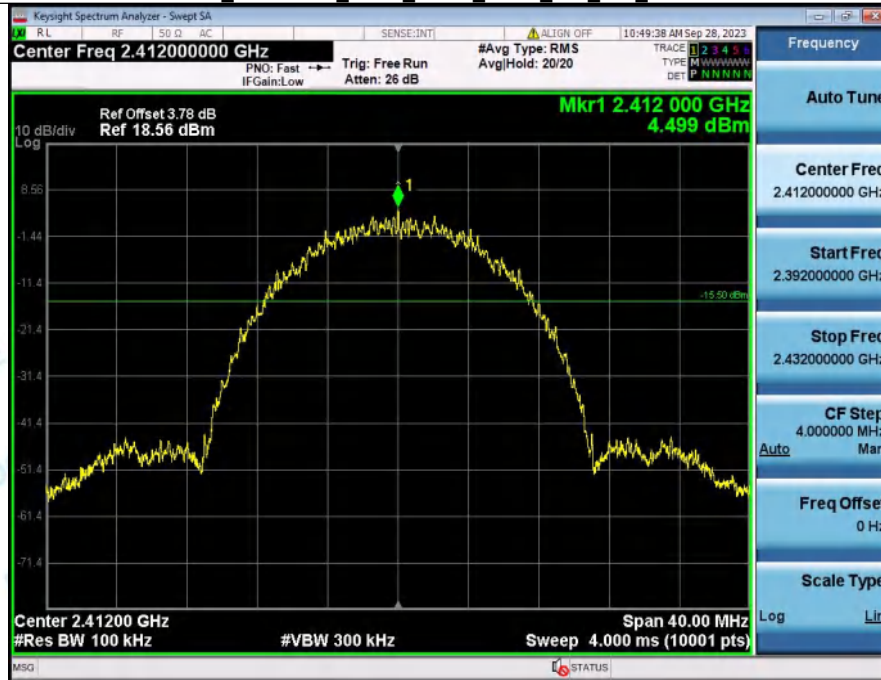
2 Bandedge NVNT ANT2 802 11n(HT40) 2452



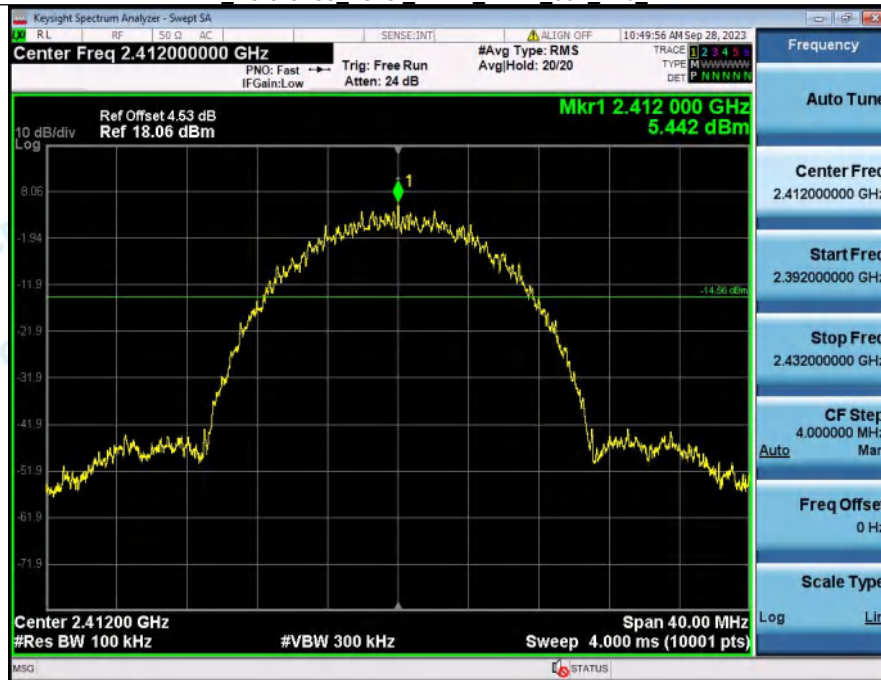
6. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	24565.522	-49.352	-15.501	Pass
NVNT	ANT2	802.11b	2412.00	24538.055	-48.716	-15.501	Pass
NVNT	ANT1	802.11b	2437.00	24972.533	-48.744	-15.582	Pass
NVNT	ANT2	802.11b	2437.00	23986.218	-48.247	-15.582	Pass
NVNT	ANT1	802.11b	2462.00	24535.558	-47.430	-15.806	Pass
NVNT	ANT2	802.11b	2462.00	24917.599	-48.060	-15.806	Pass
NVNT	ANT1	802.11g	2412.00	24982.521	-51.330	-17.810	Pass
NVNT	ANT2	802.11g	2412.00	24877.647	-49.505	-17.810	Pass
NVNT	ANT1	802.11g	2437.00	24545.546	-51.233	-17.801	Pass
NVNT	ANT2	802.11g	2437.00	2514.515	-49.373	-17.801	Pass
NVNT	ANT1	802.11g	2462.00	24922.593	-46.585	-18.246	Pass
NVNT	ANT2	802.11g	2462.00	24615.462	-46.472	-18.246	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24530.564	-47.398	-17.769	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	24600.480	-45.646	-17.769	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	24538.055	-46.694	-17.983	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	24523.073	-46.697	-17.983	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	24006.194	-46.902	-18.421	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	24573.013	-45.898	-18.421	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	24528.067	-46.388	-18.962	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	24895.126	-45.700	-18.962	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	24538.055	-47.509	-18.972	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	24962.545	-46.440	-18.972	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	24036.158	-47.436	-18.583	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	2502.030	-45.430	-18.583	Pass

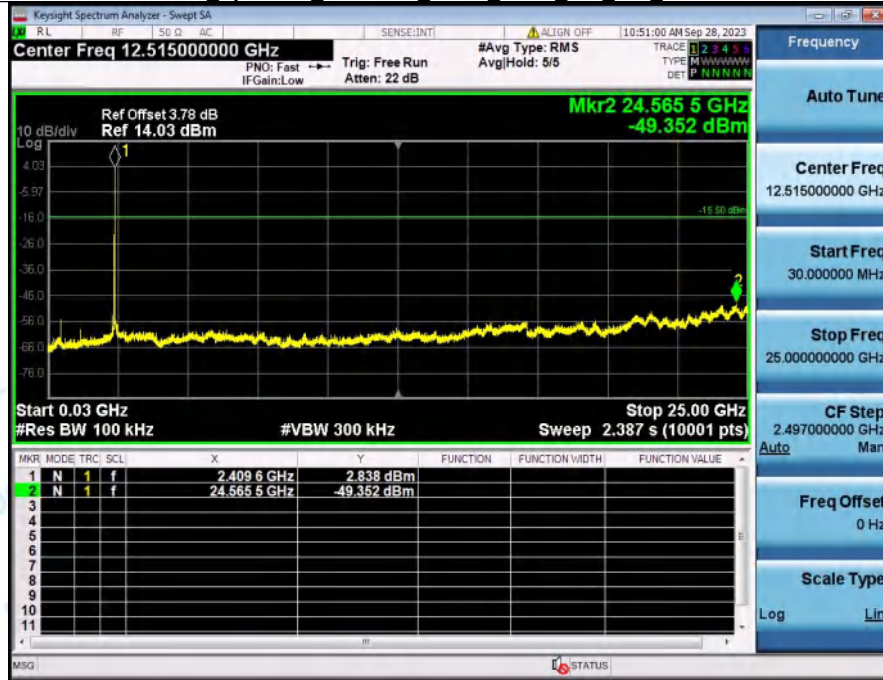
1 Reference Level NVNT ANT1 802 11b 2412



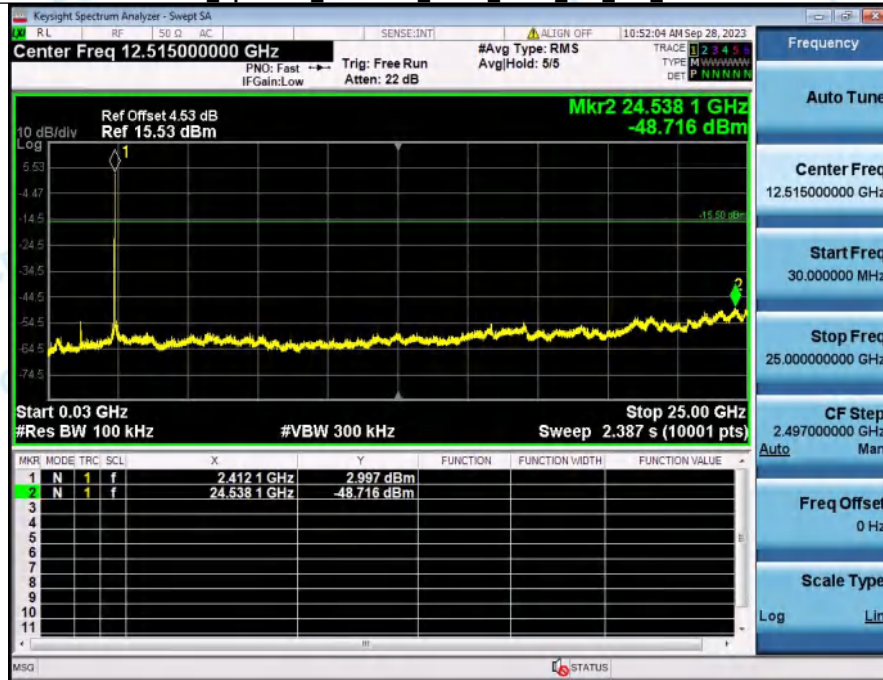
1 Reference Level NVNT ANT2 802 11b 2412



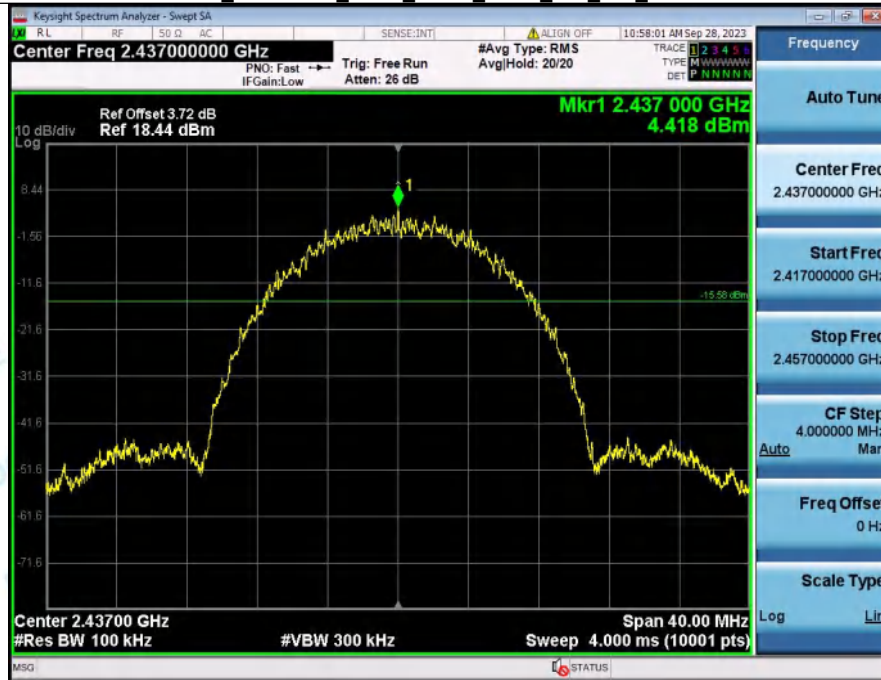
2 Spurious Emission NVNT ANT1 802 11b 2412



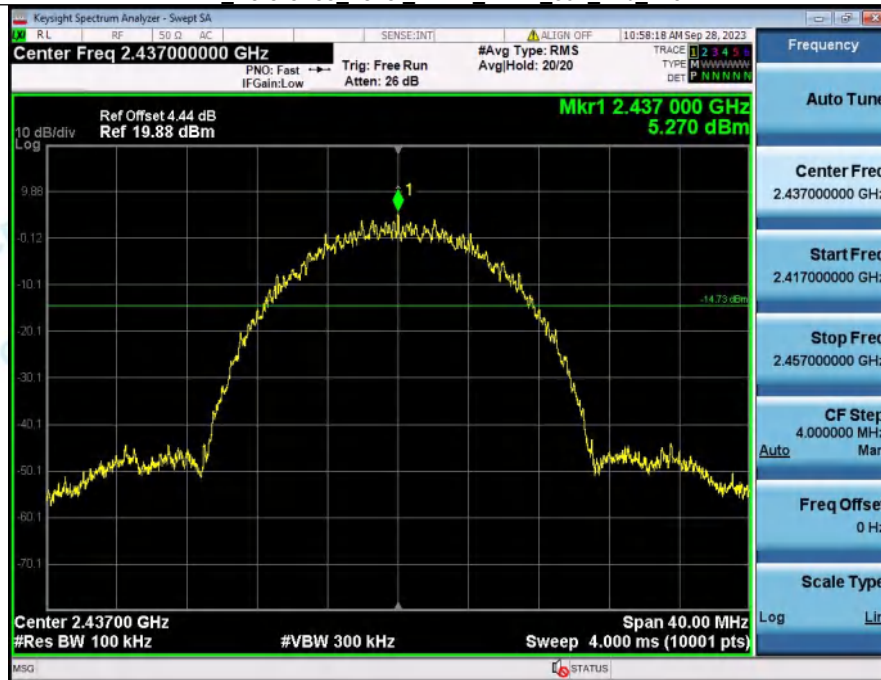
2 Spurious Emission NVNT ANT2 802 11b 2412



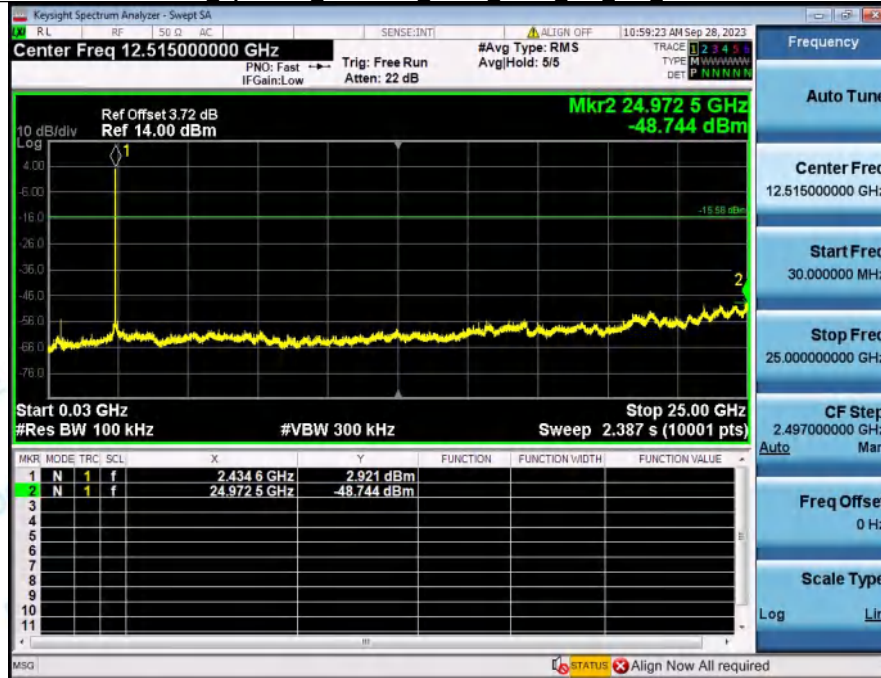
1 Reference Level NVNT ANT1 802 11b 2437



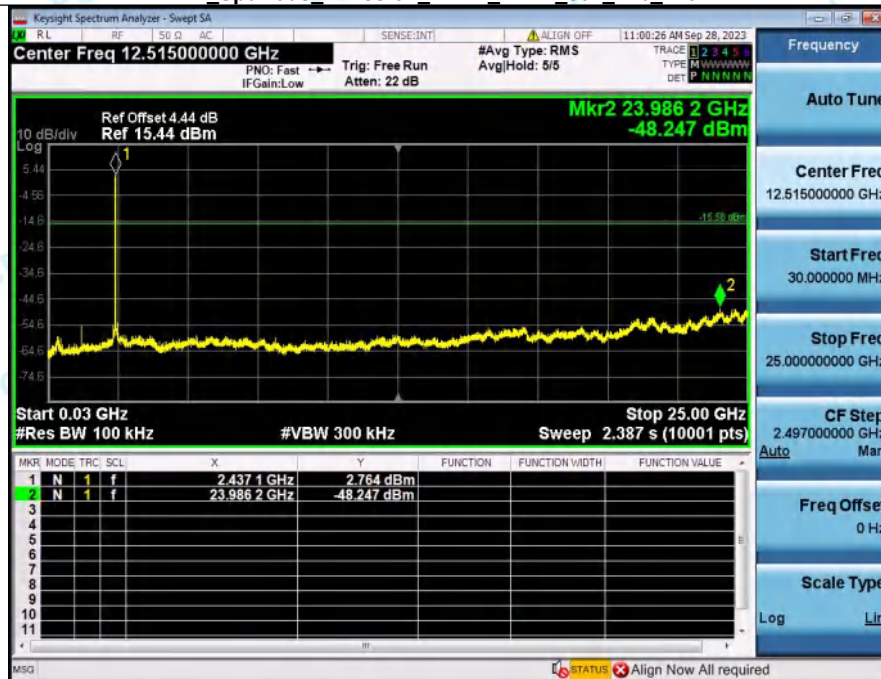
1 Reference Level NVNT ANT2 802 11b 2437



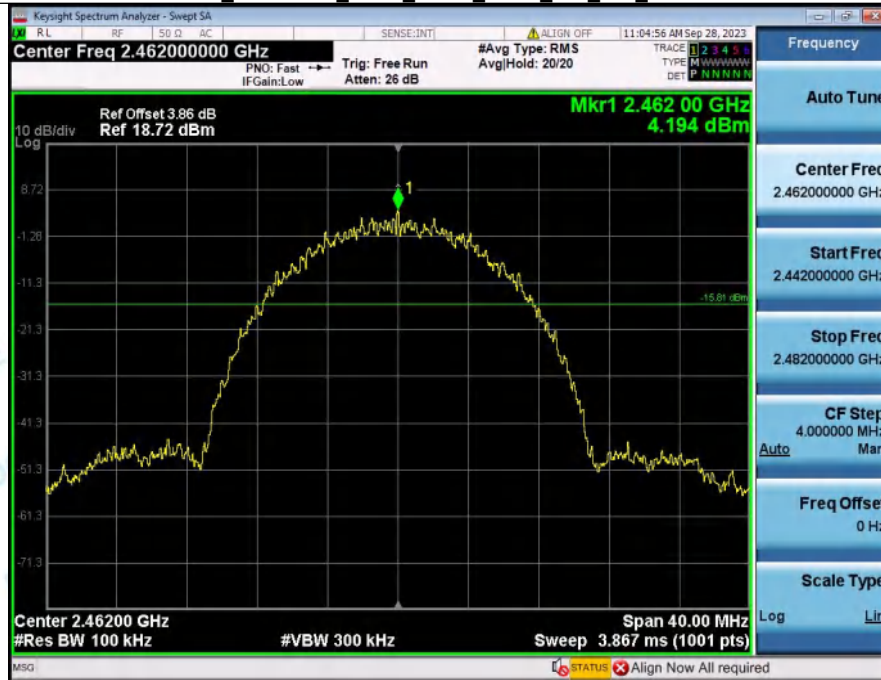
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2 Spurious Emission NVNT ANT2 802 11b 2437



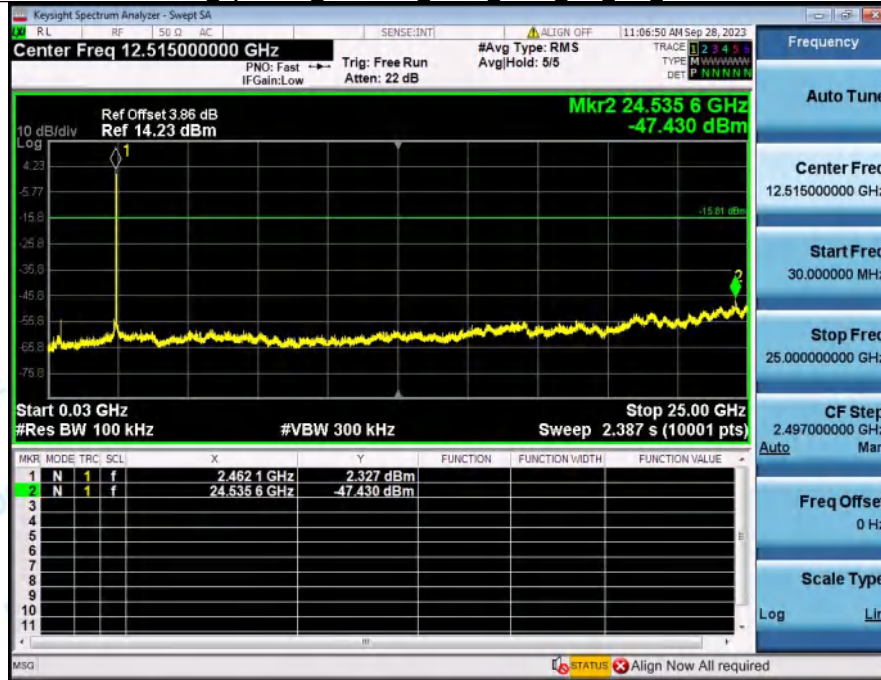
1 Reference Level NVNT ANT1 802 11b 2462



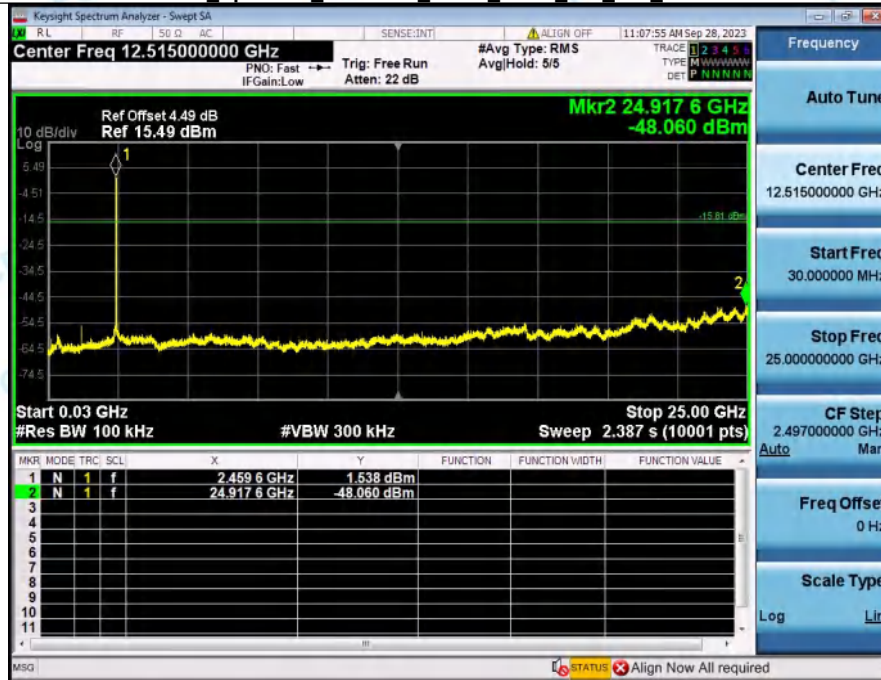
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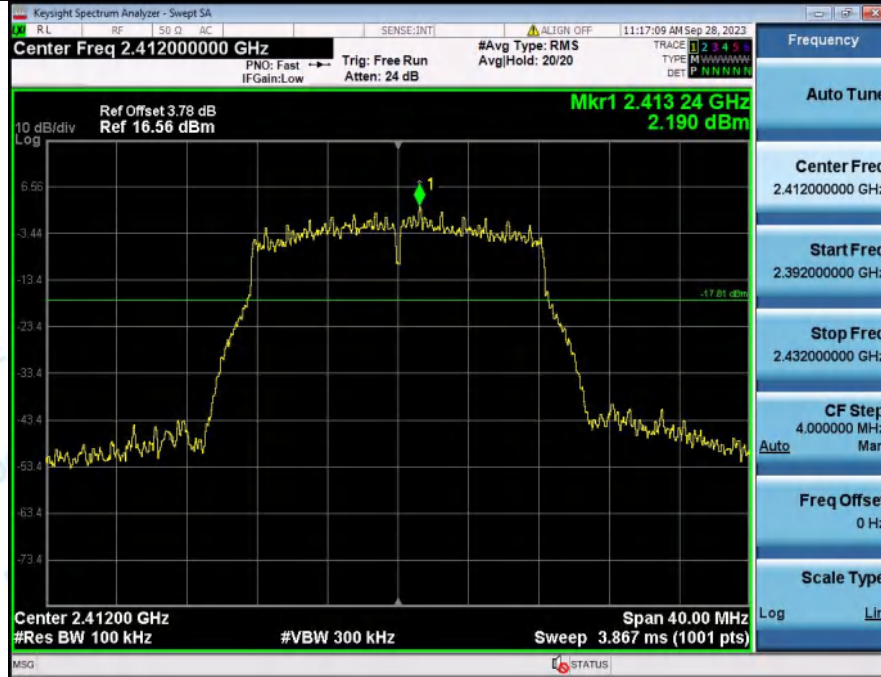
2 Spurious Emission NVNT ANT1 802 11b 2462



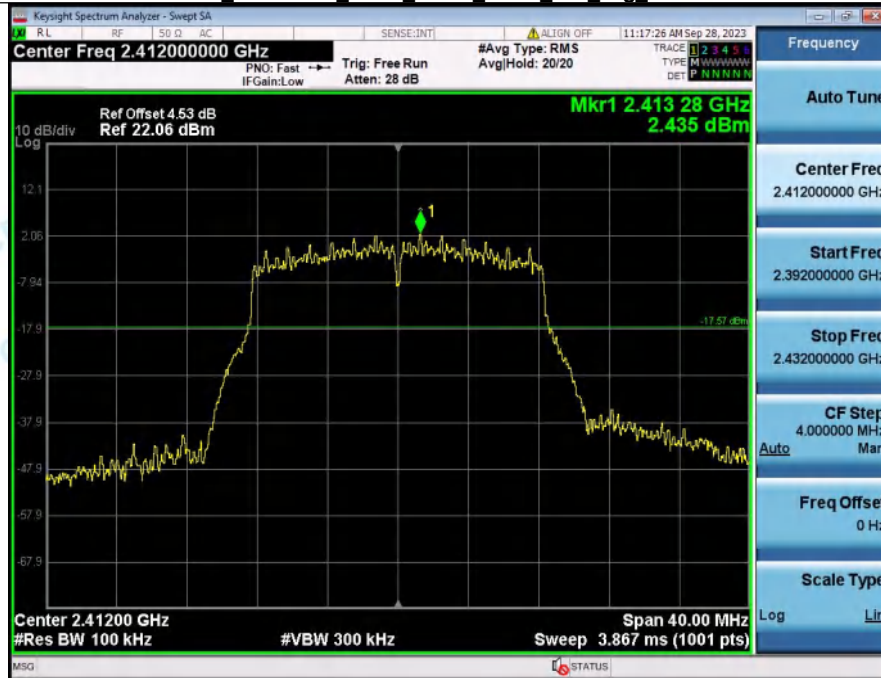
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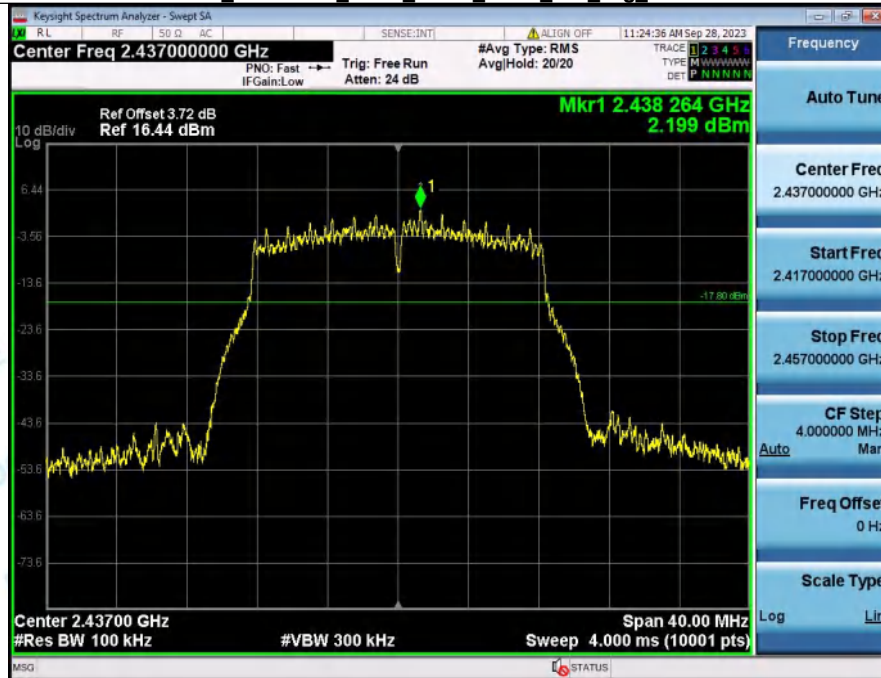
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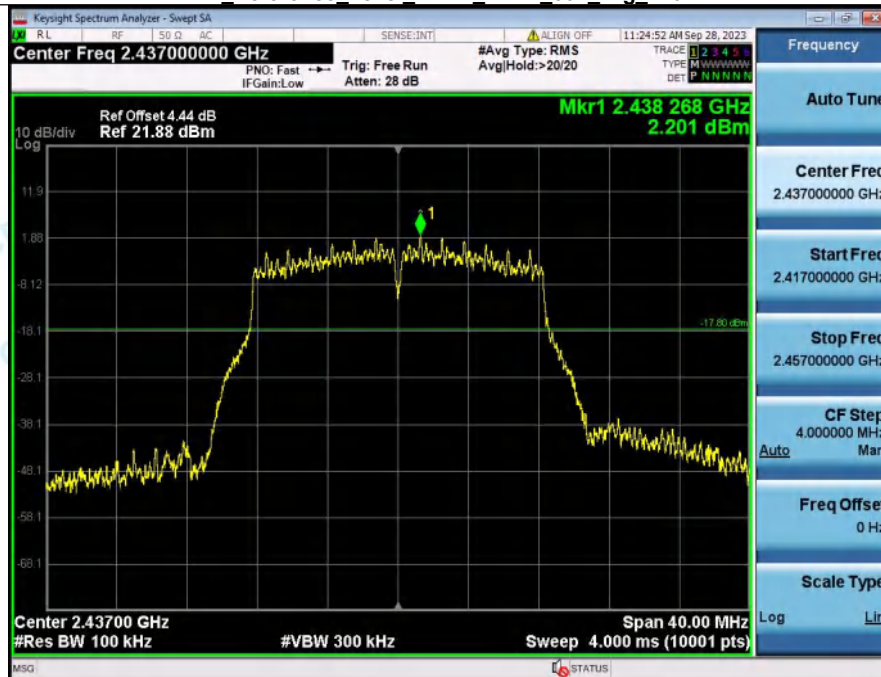
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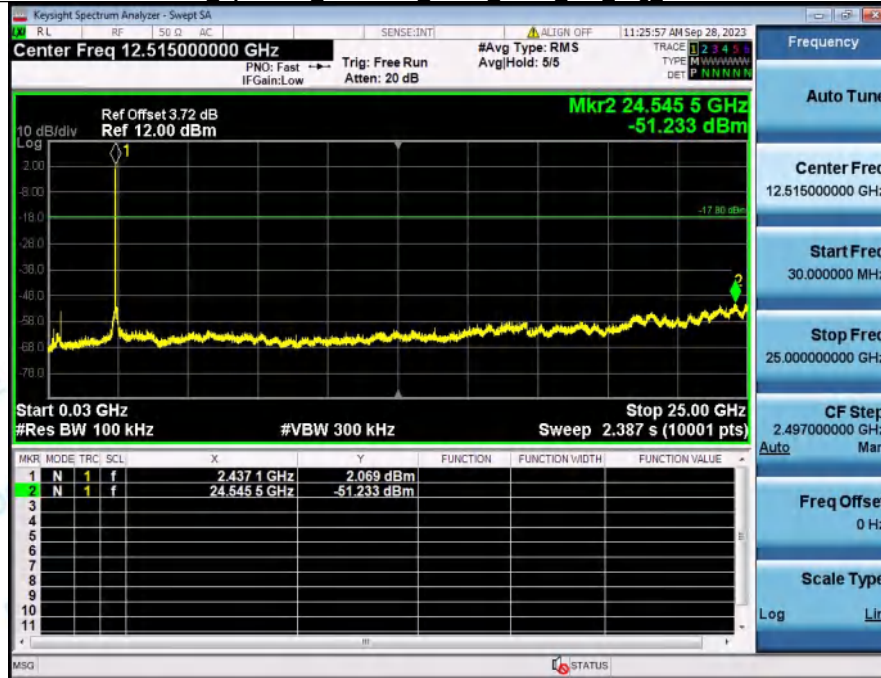
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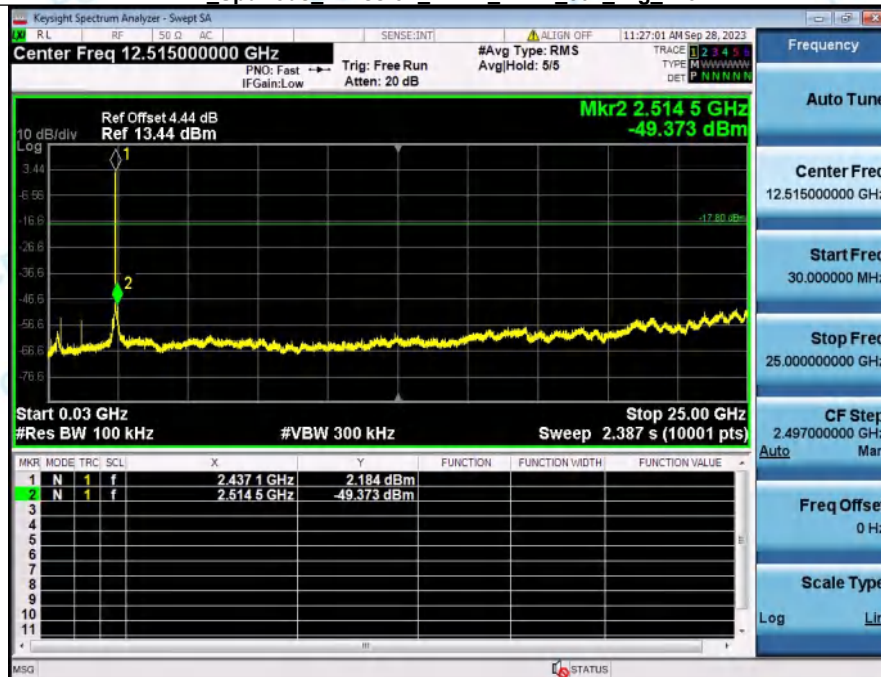
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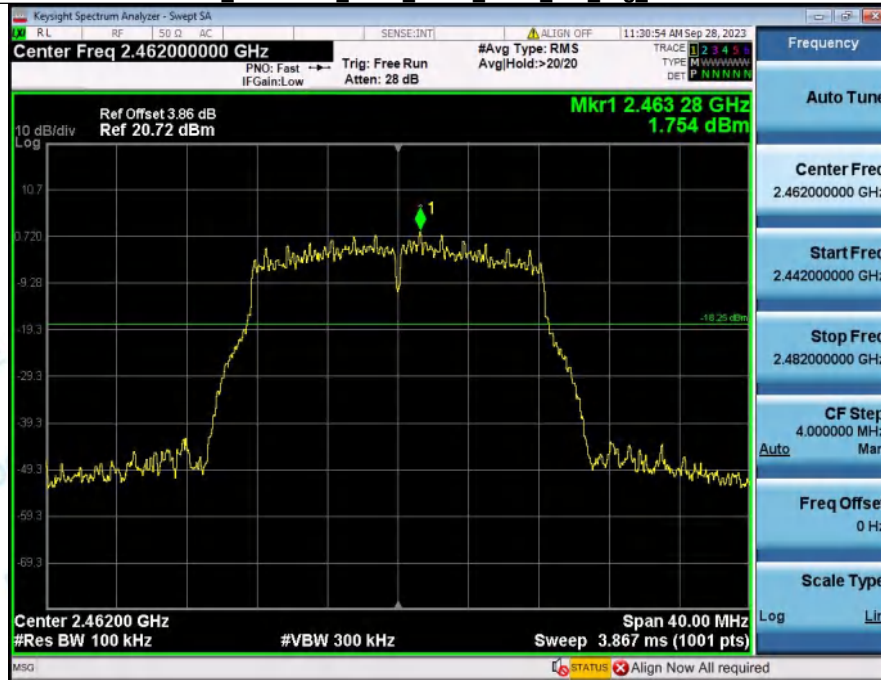
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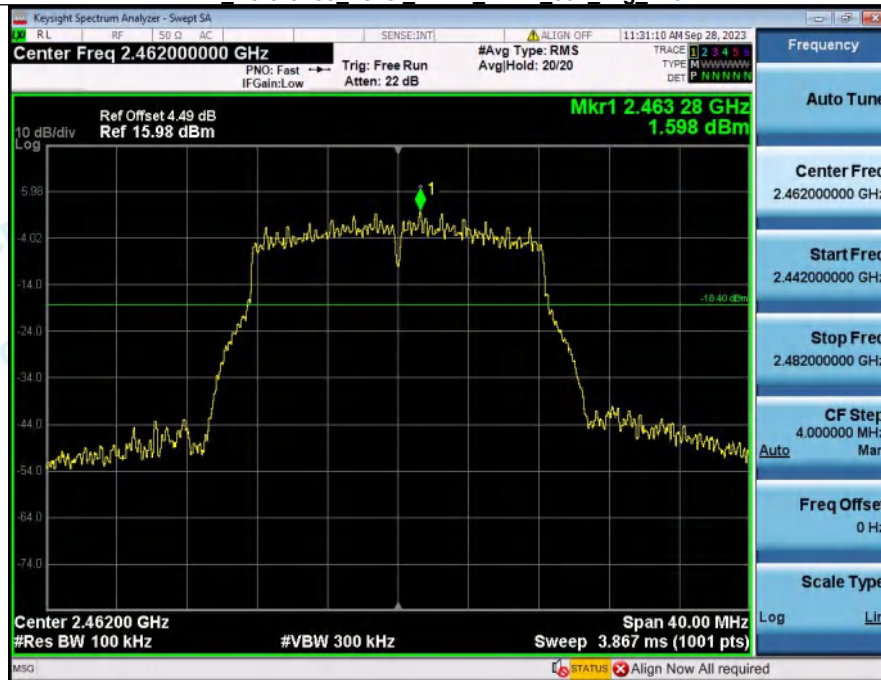
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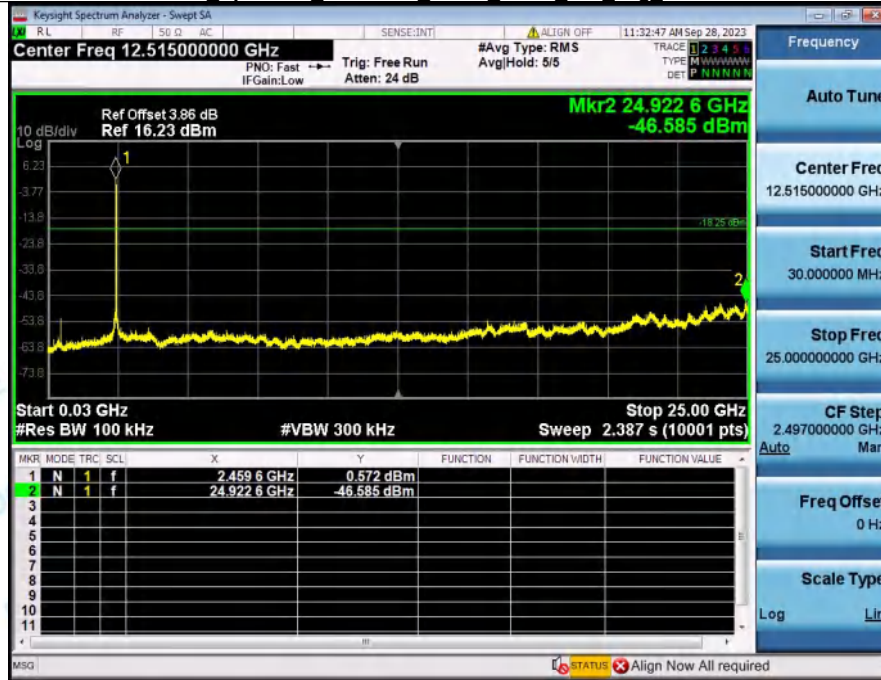
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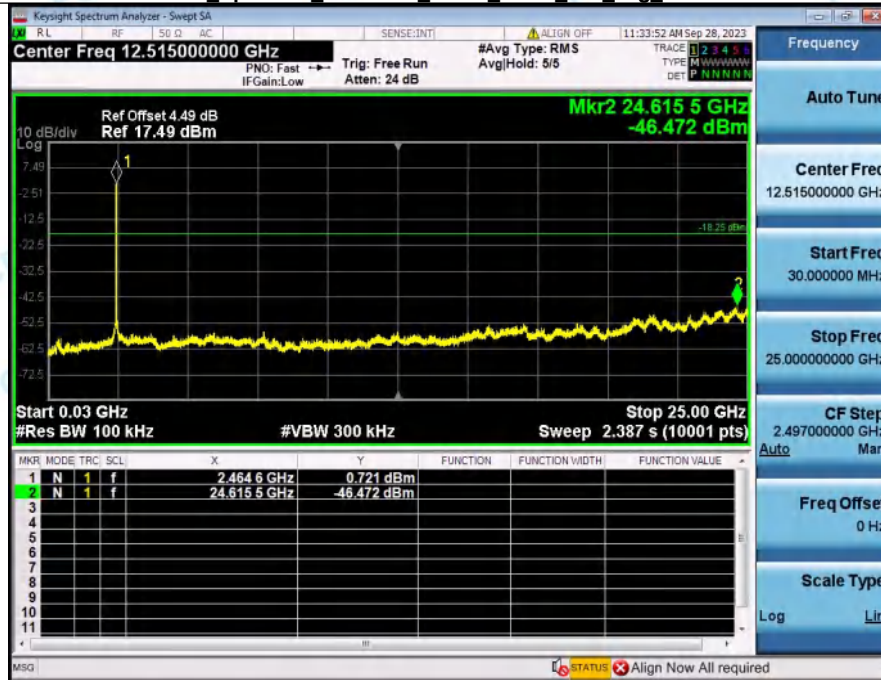
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2 Spurious Emission NVNT ANT1 802 11g 2462



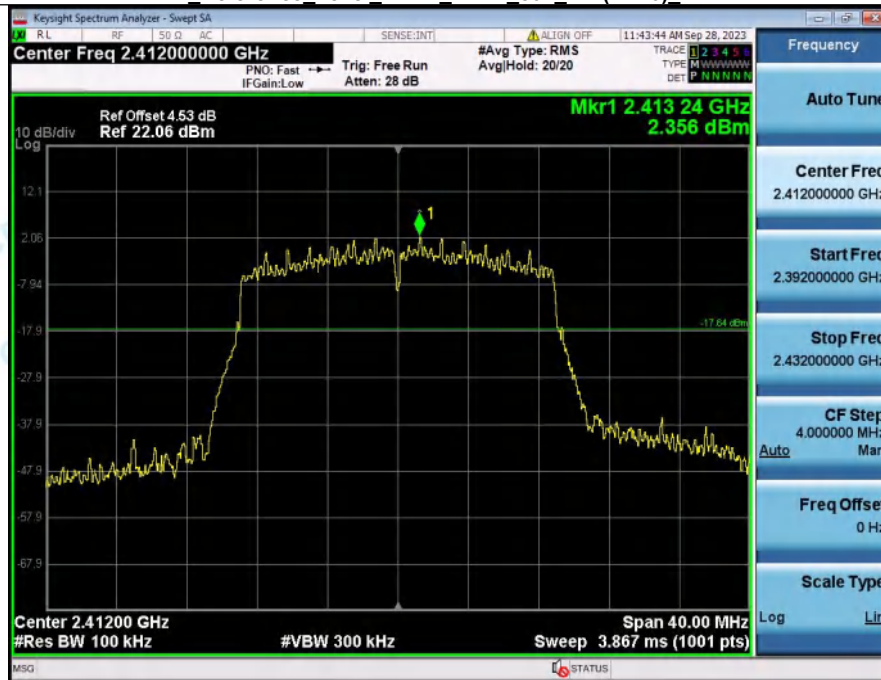
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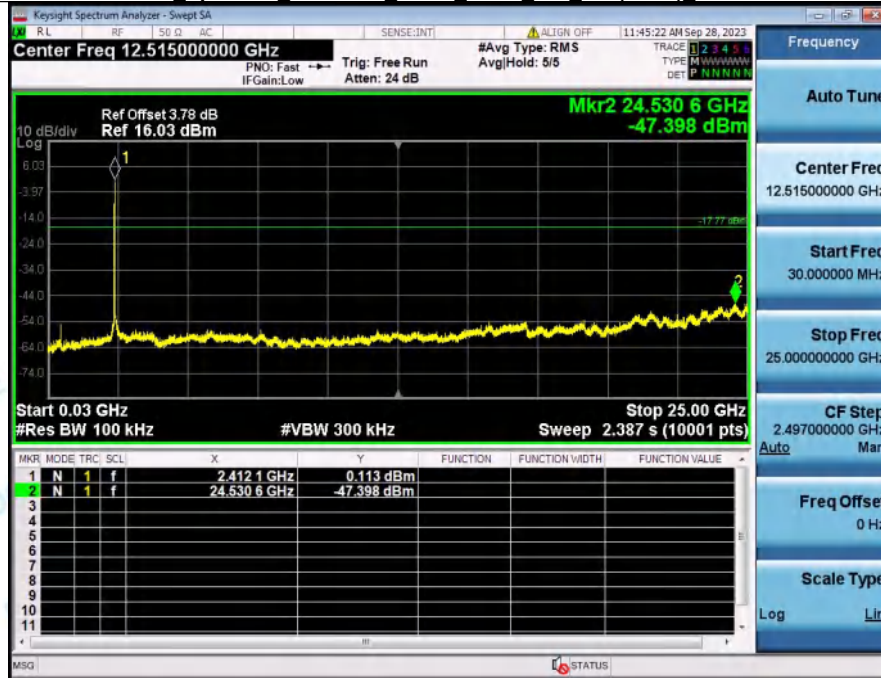
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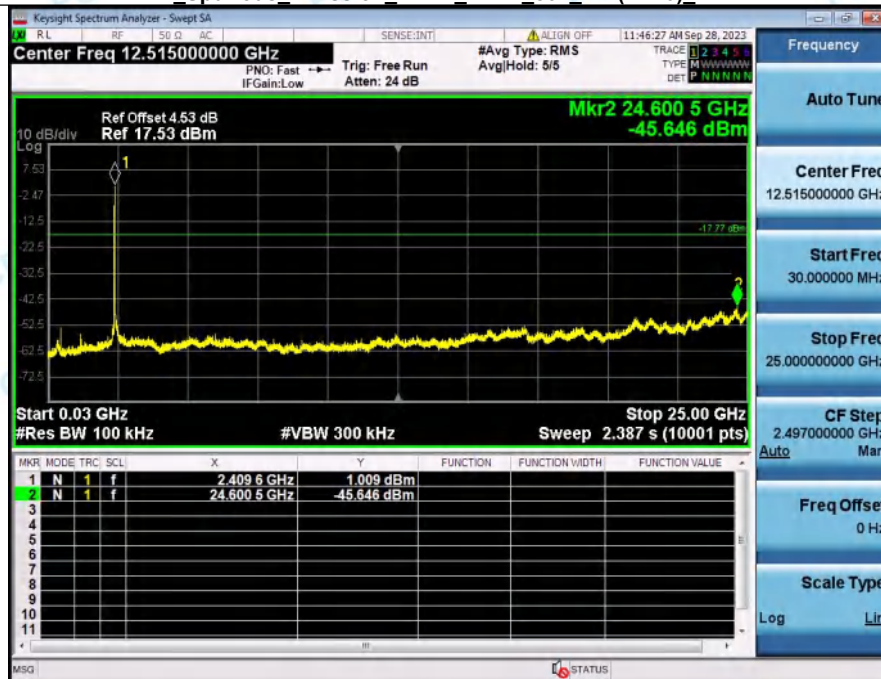
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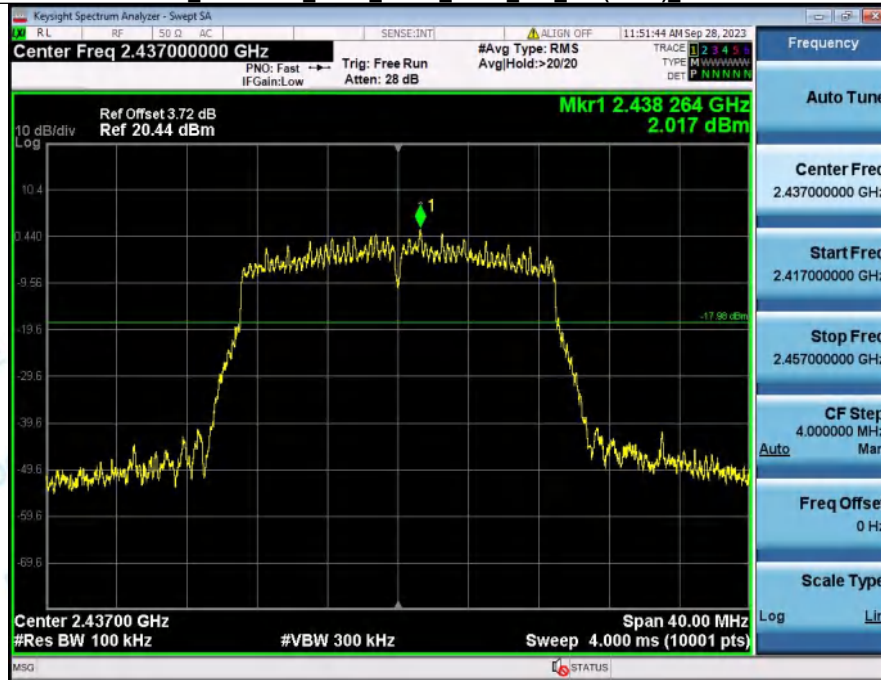
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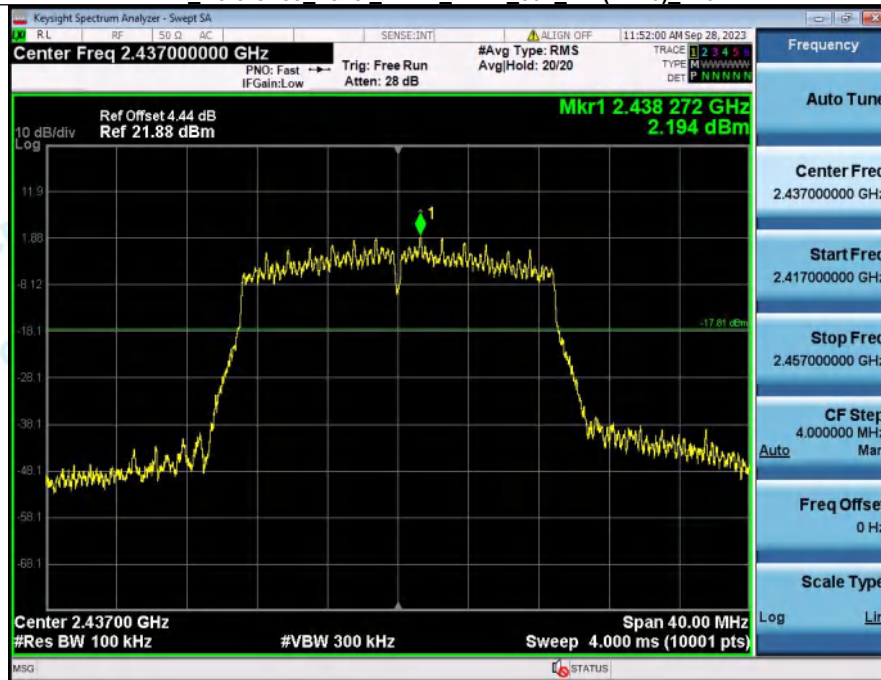
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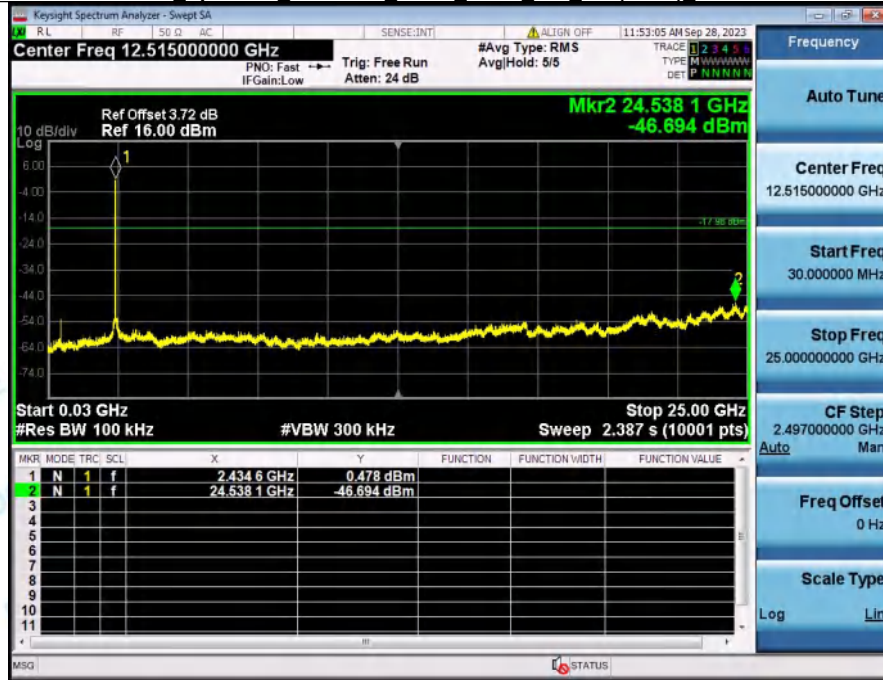
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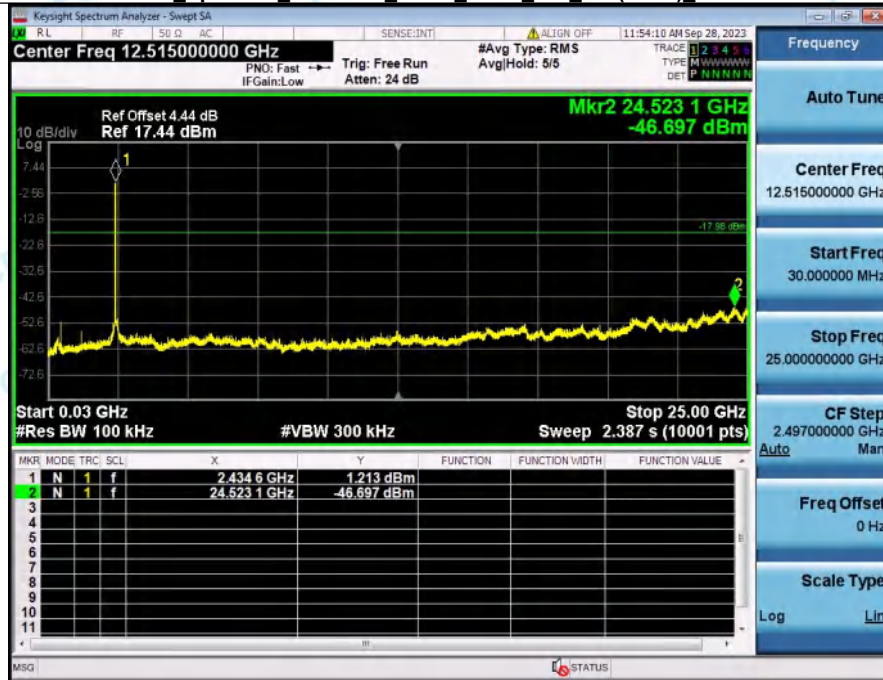
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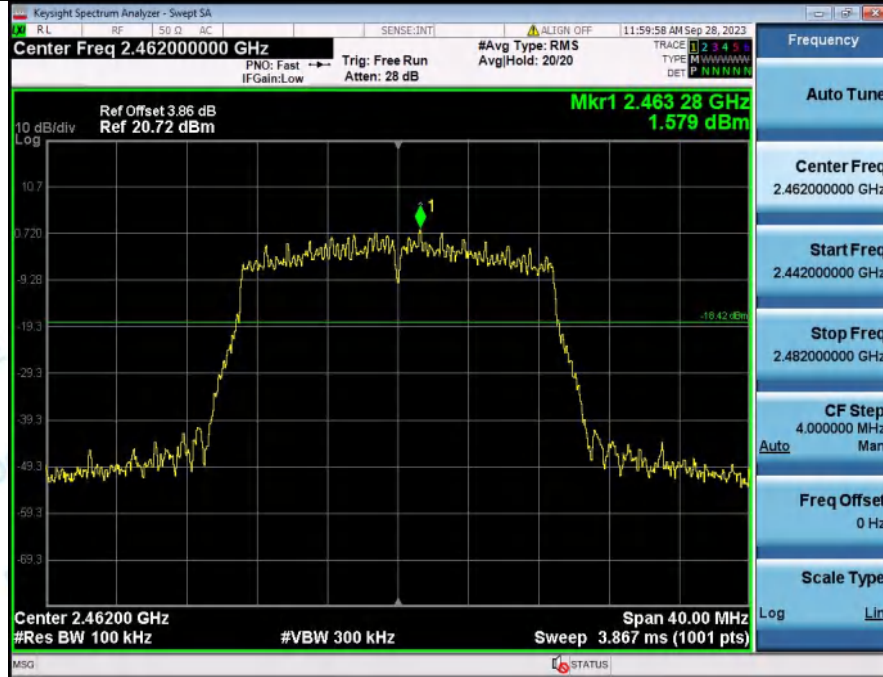
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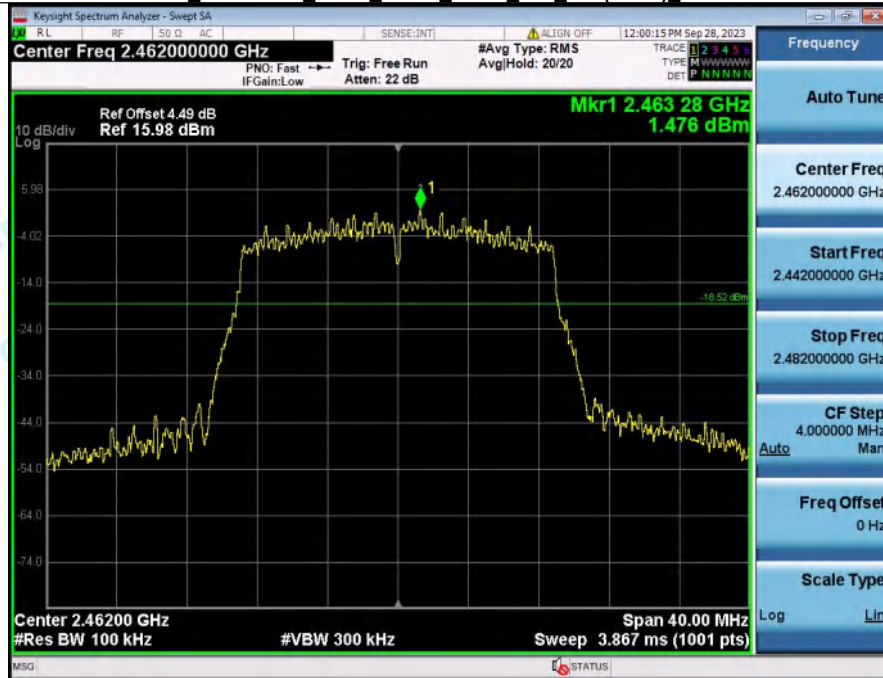
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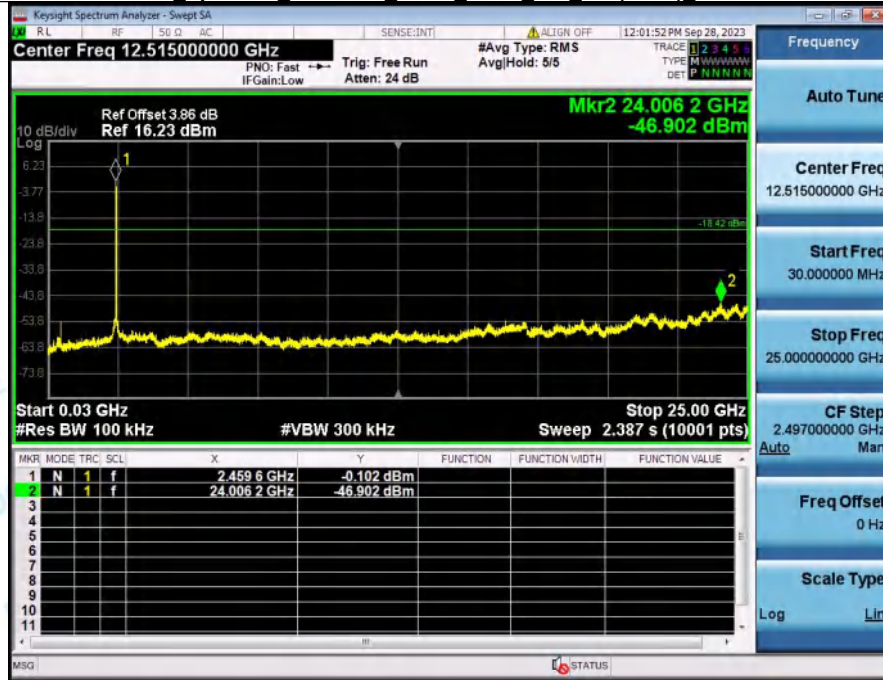
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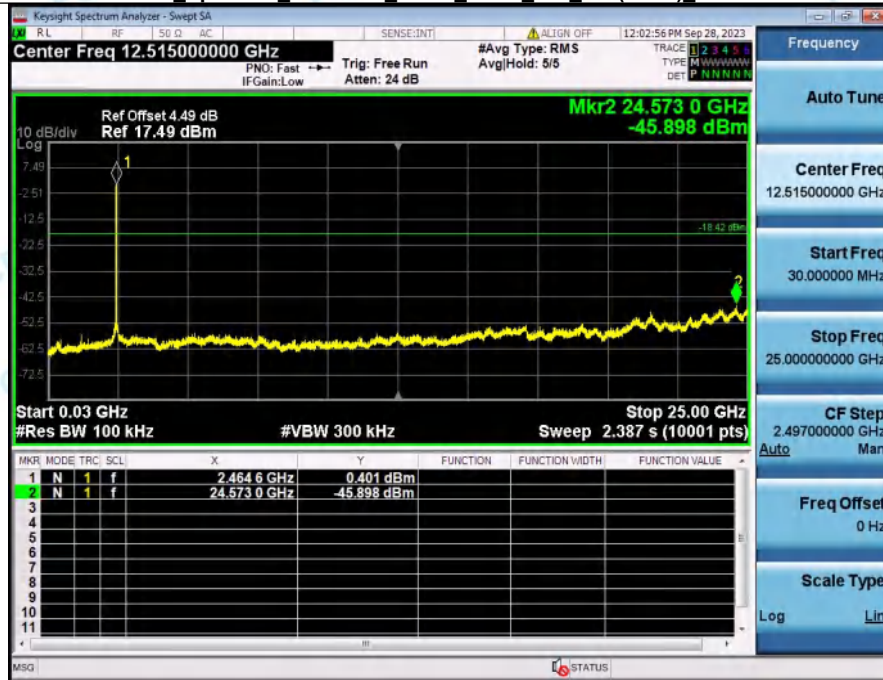
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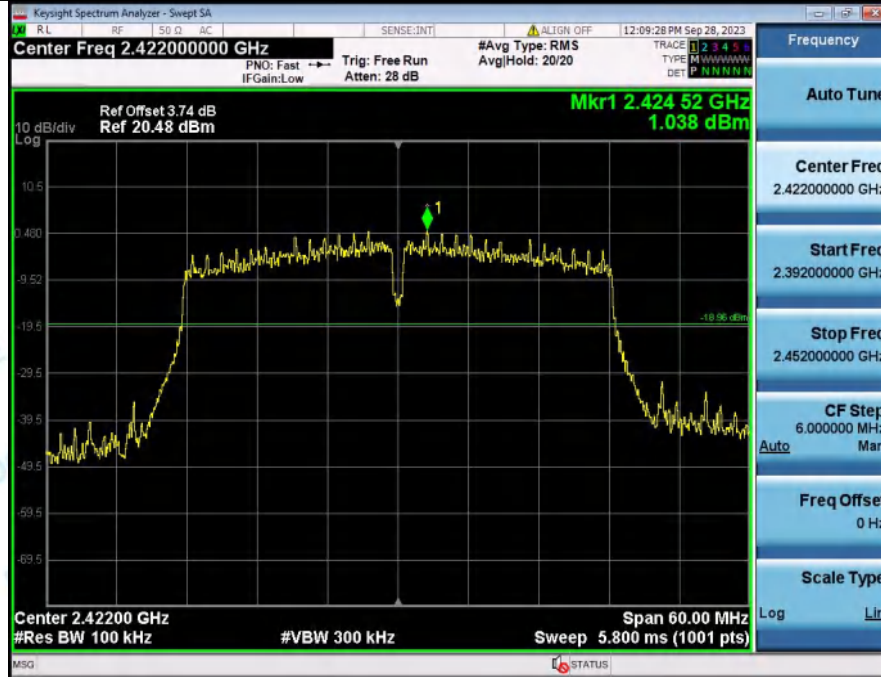
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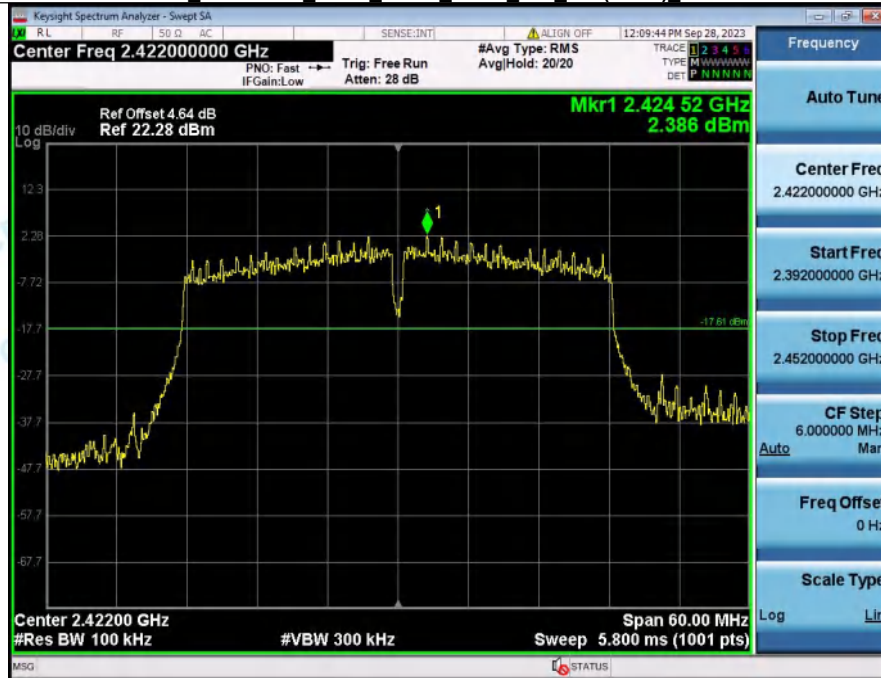
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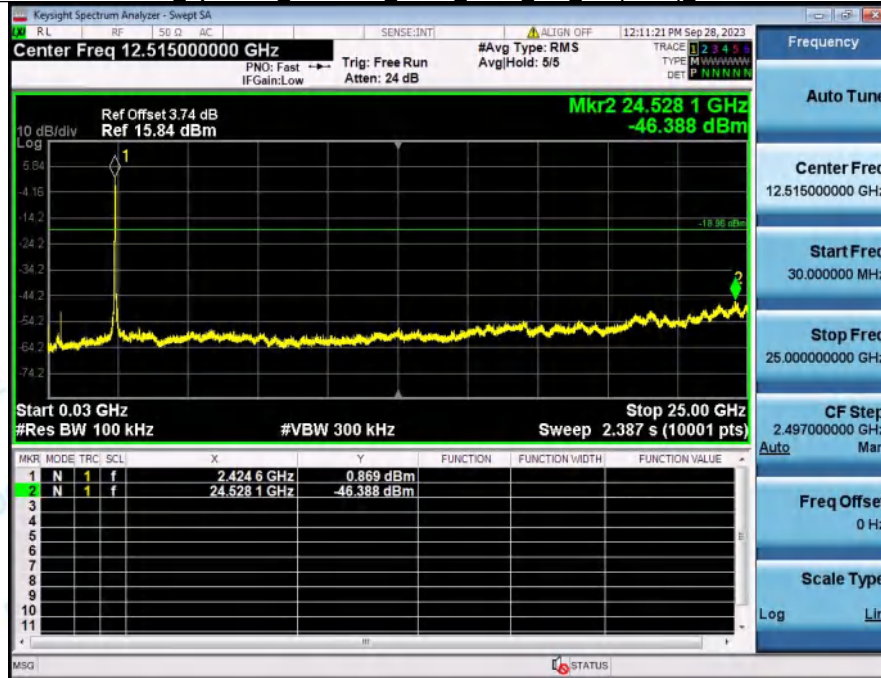
1 Reference_Level_NVNT_ANT1_802_11n(HT40)_2422



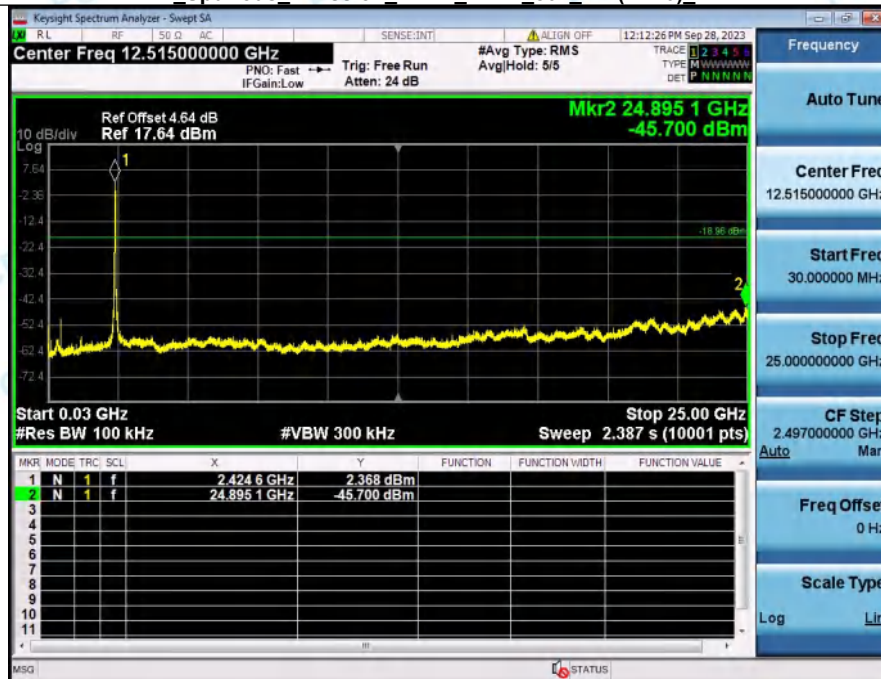
1 Reference_Level_NVNT_ANT2_802_11n(HT40)_2422



2 Spurious Emission NVNT ANT1 802 11n(HT40) 2422



2 Spurious Emission NVNT ANT2 802 11n(HT40) 2422



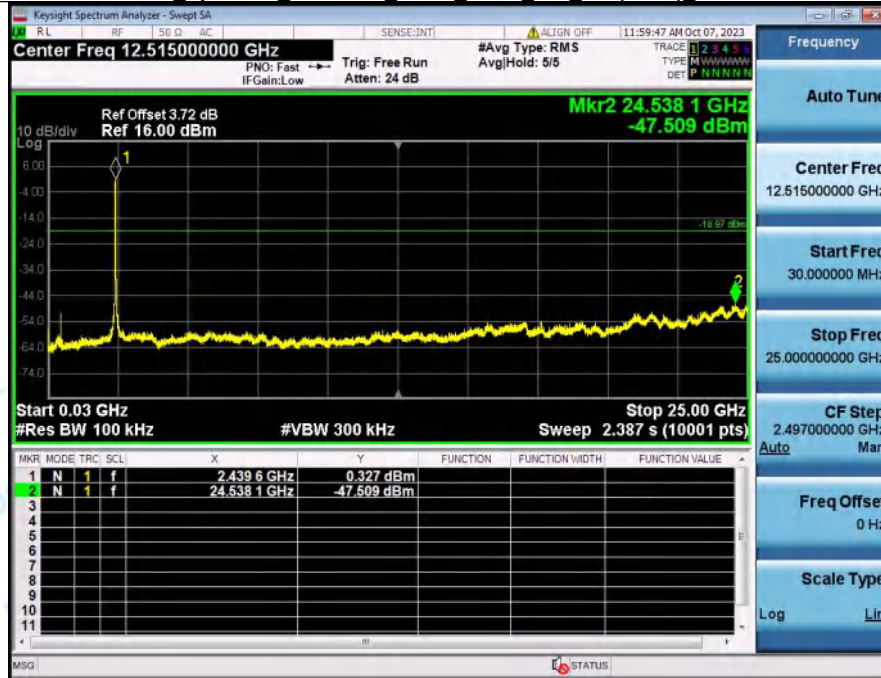
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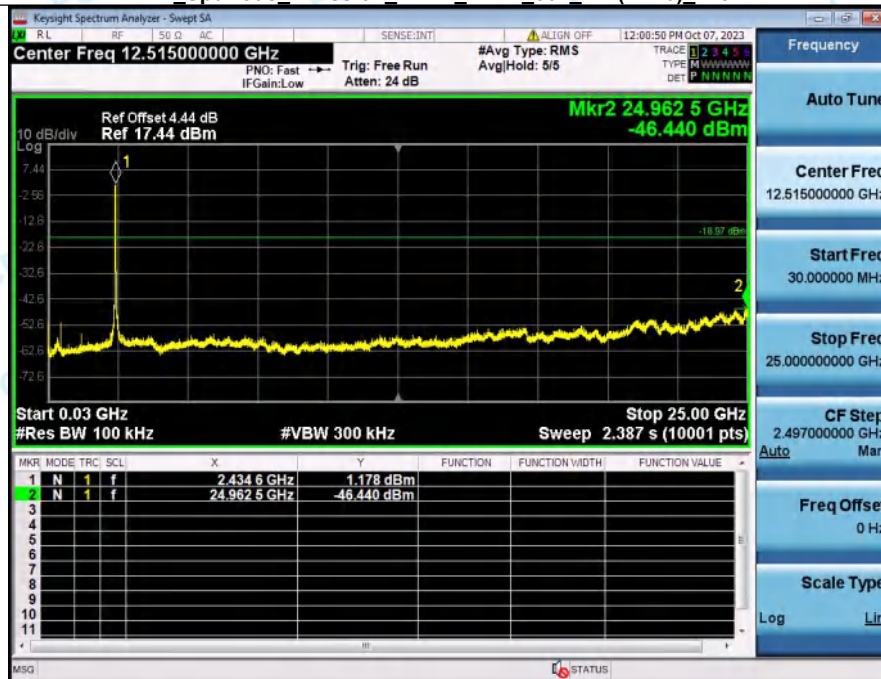
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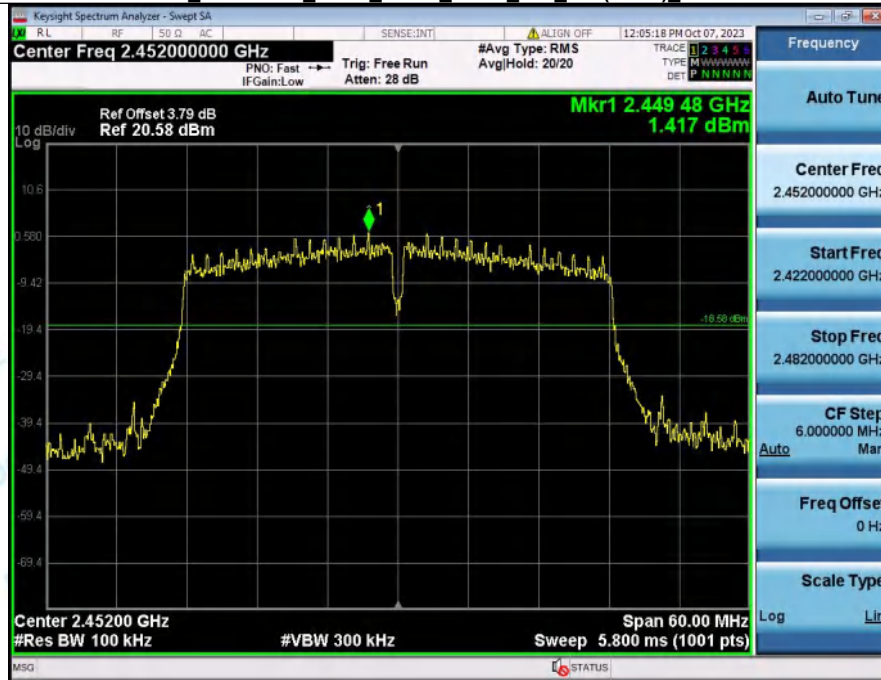
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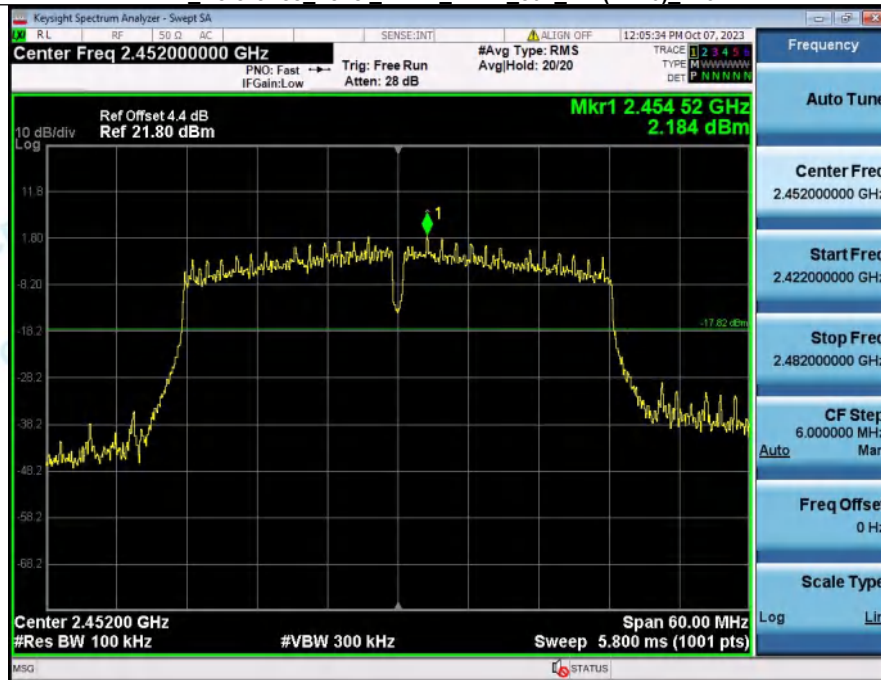
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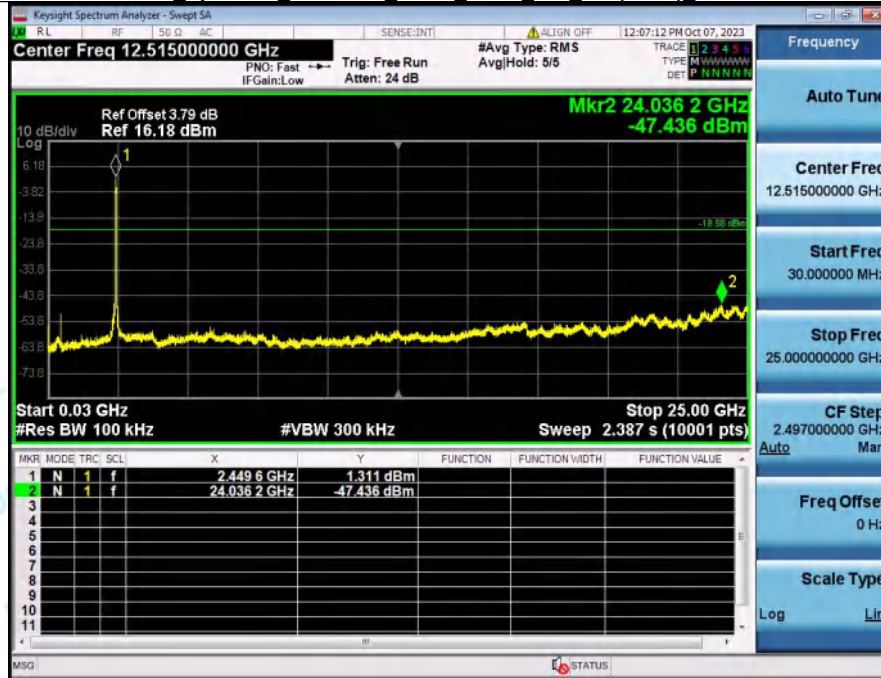
1 Reference_Level_NVNT_ANT1_802_11n(HT40)_2452



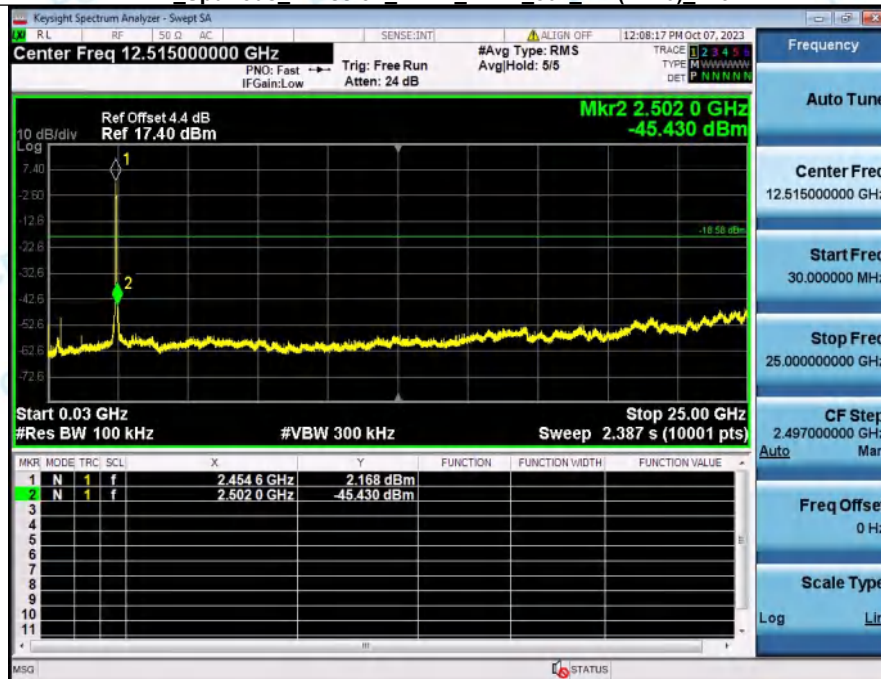
1 Reference_Level_NVNT_ANT2_802_11n(HT40)_2452



2 Spurious Emission NVNT ANT1 802 11n(HT40) 2452



2 Spurious Emission NVNT ANT2 802 11n(HT40) 2452



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