

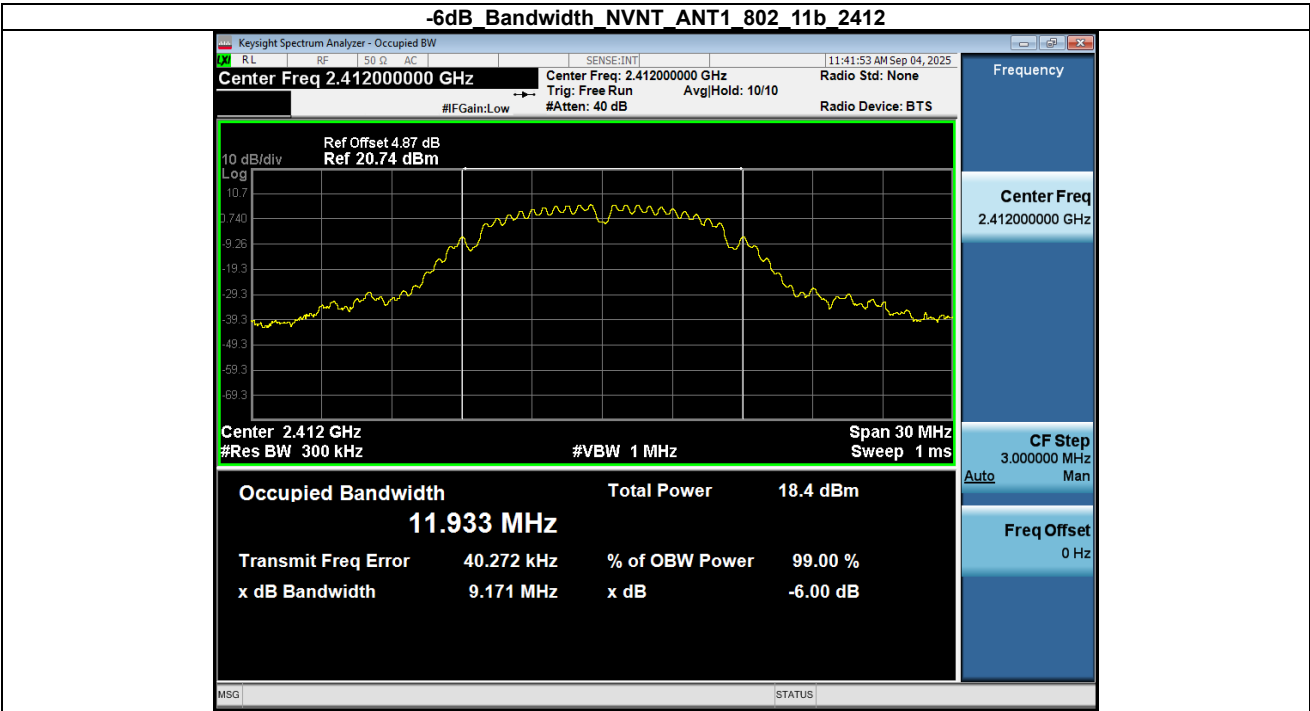
FCC_2.4G_WIFI (Part15.247) Test Data
Report No.: BKC25093855JE-1
FCC ID: 2BT2B-TY75T-HTD2

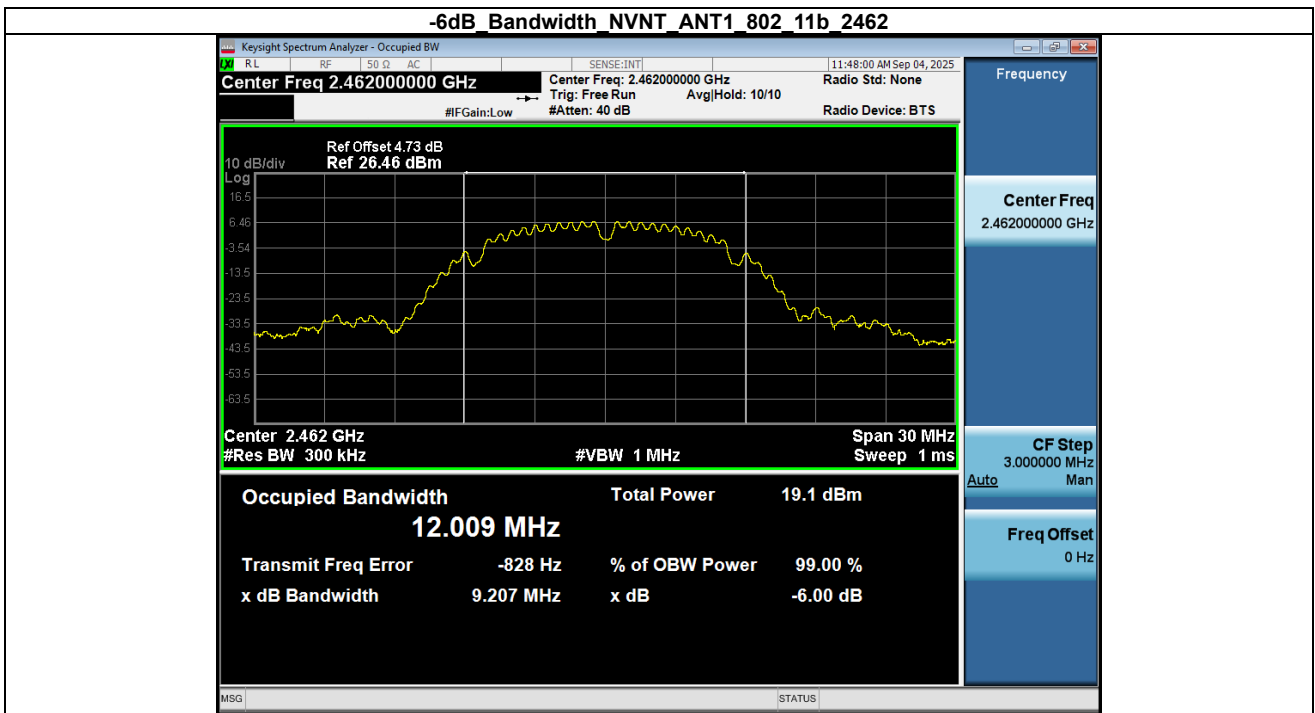
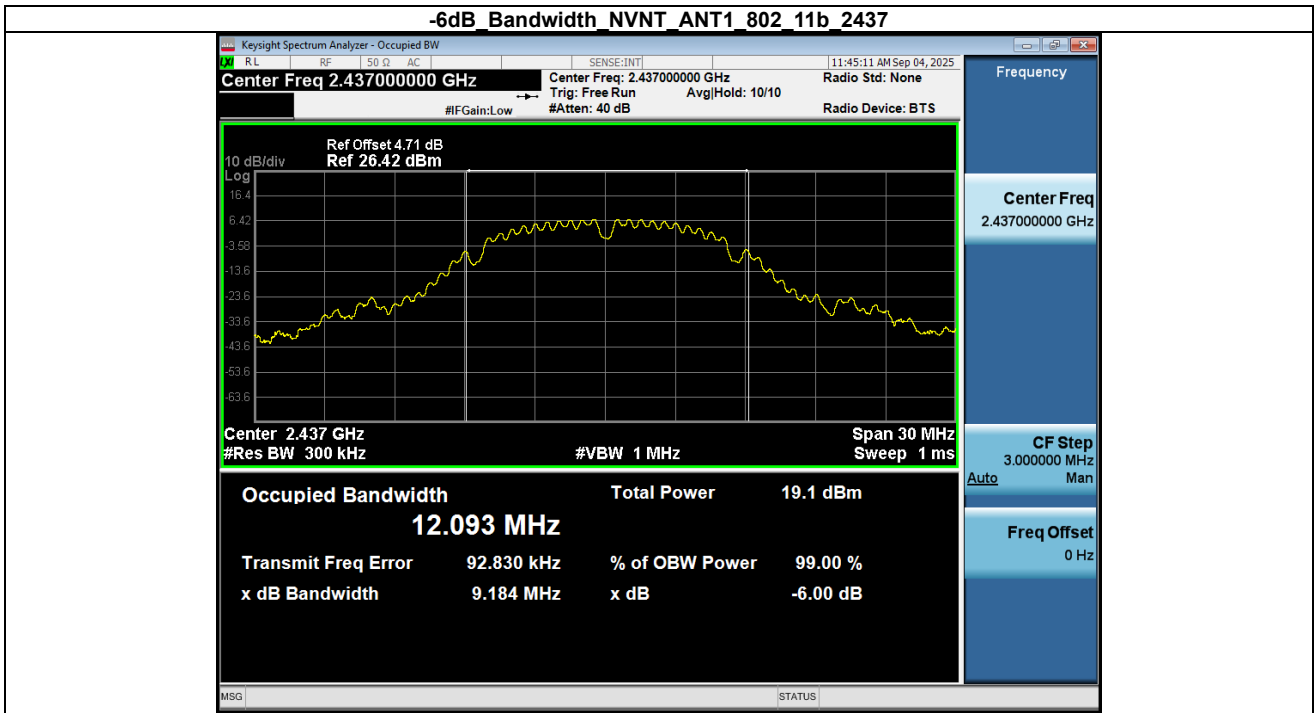
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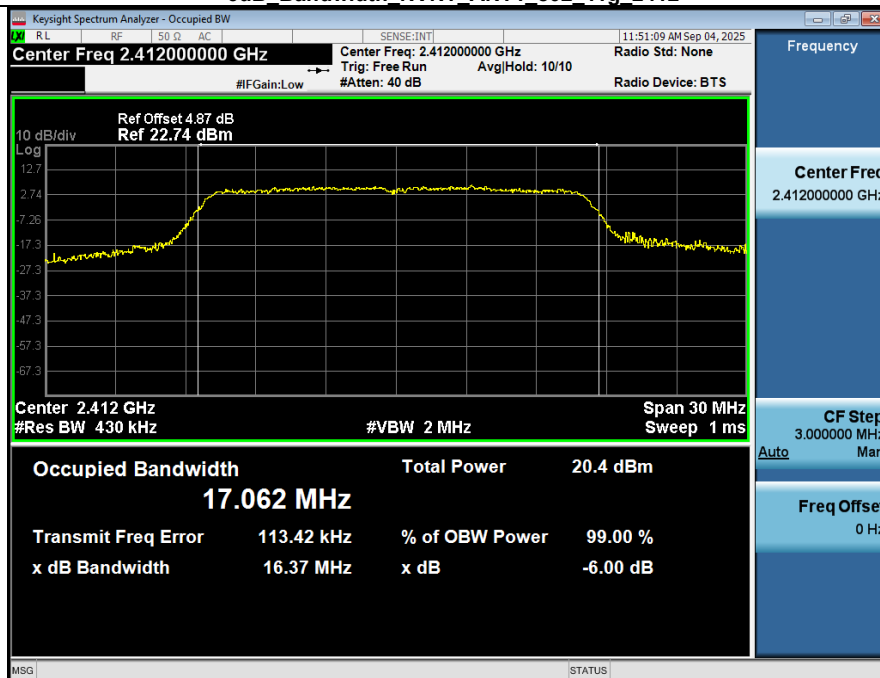
1. -6dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	9.17	500	Pass
NVNT	ANT1	802.11b	2437.00	9.18	500	Pass
NVNT	ANT1	802.11b	2462.00	9.21	500	Pass
NVNT	ANT1	802.11g	2412.00	16.37	500	Pass
NVNT	ANT1	802.11g	2437.00	16.41	500	Pass
NVNT	ANT1	802.11g	2462.00	16.48	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.16	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.27	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.43	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	36.14	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	35.79	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	36.06	500	Pass

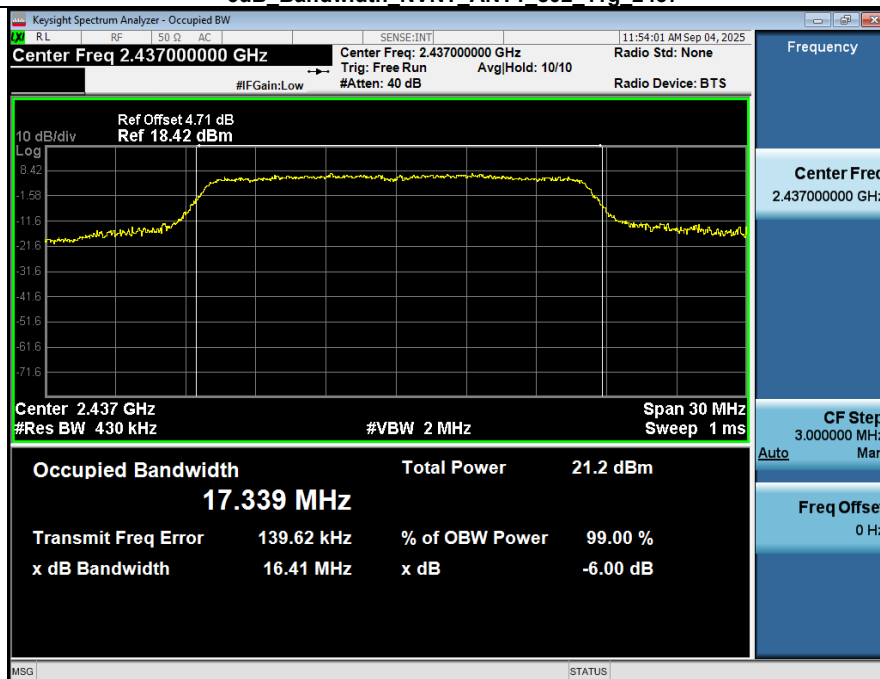




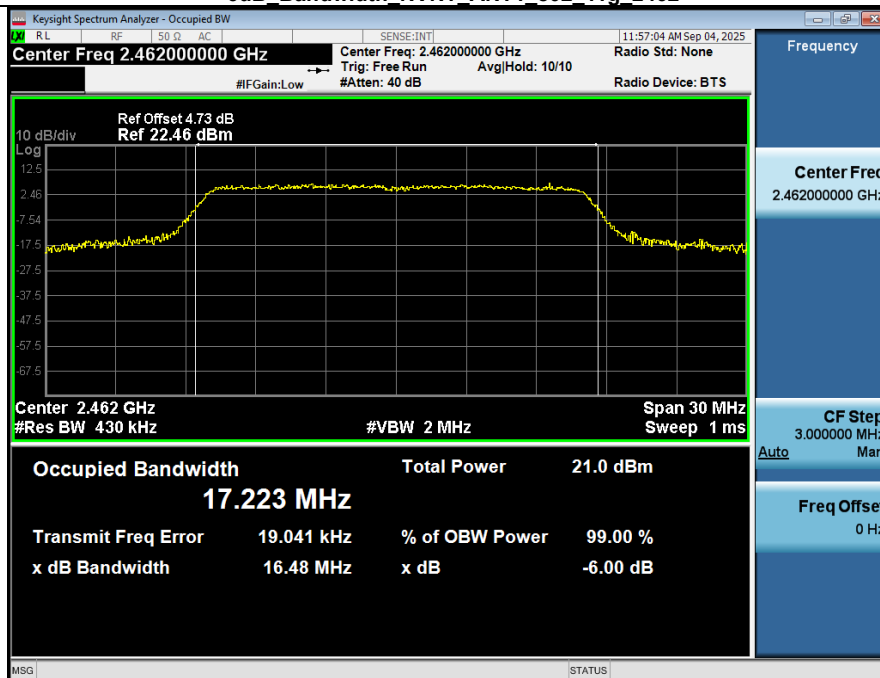
-6dB Bandwidth NVNT ANT1 802 11g 2412



-6dB Bandwidth NVNT ANT1 802 11g 2437



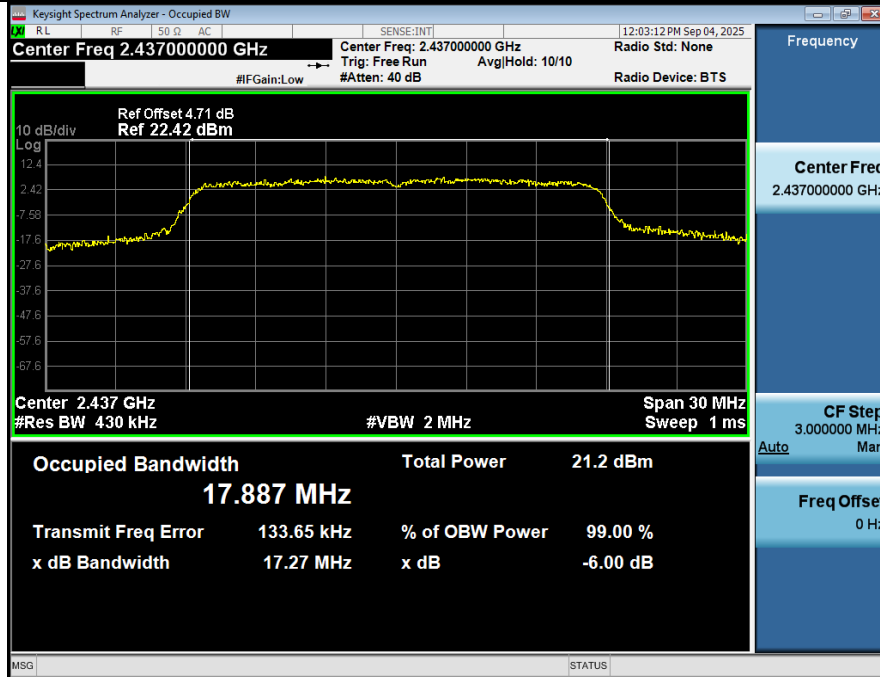
-6dB Bandwidth NVNT ANT1 802 11g 2462



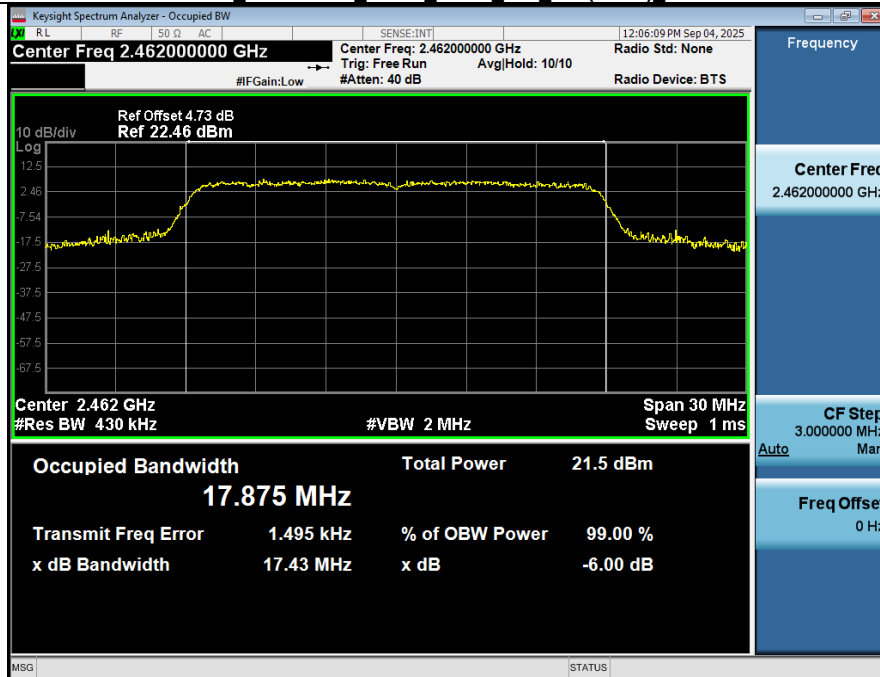
-6dB Bandwidth NVNT ANT1 802 11n(HT20) 2412



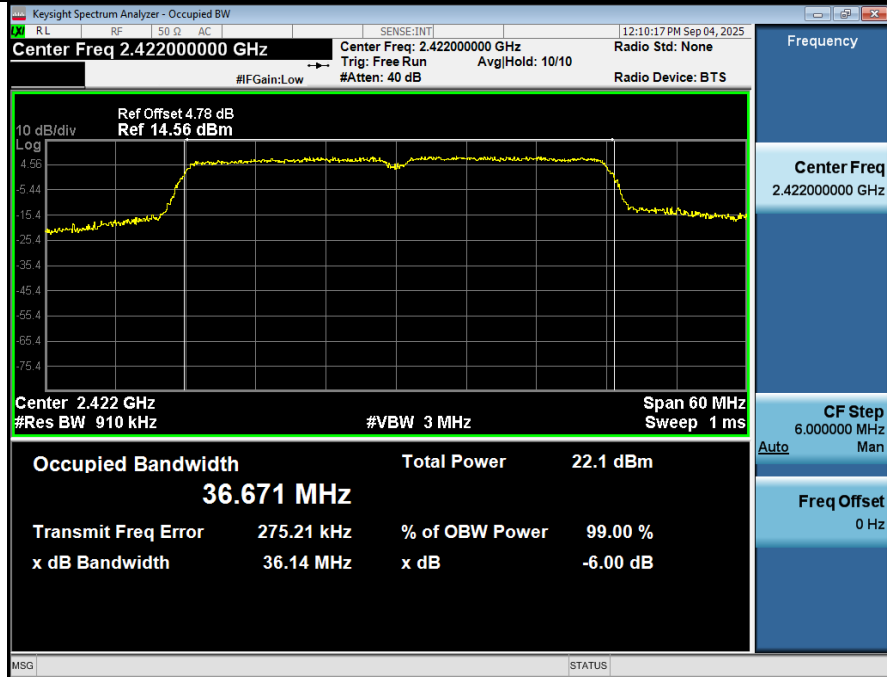
-6dB Bandwidth NVNT ANT1 802 11n(HT20) 2437



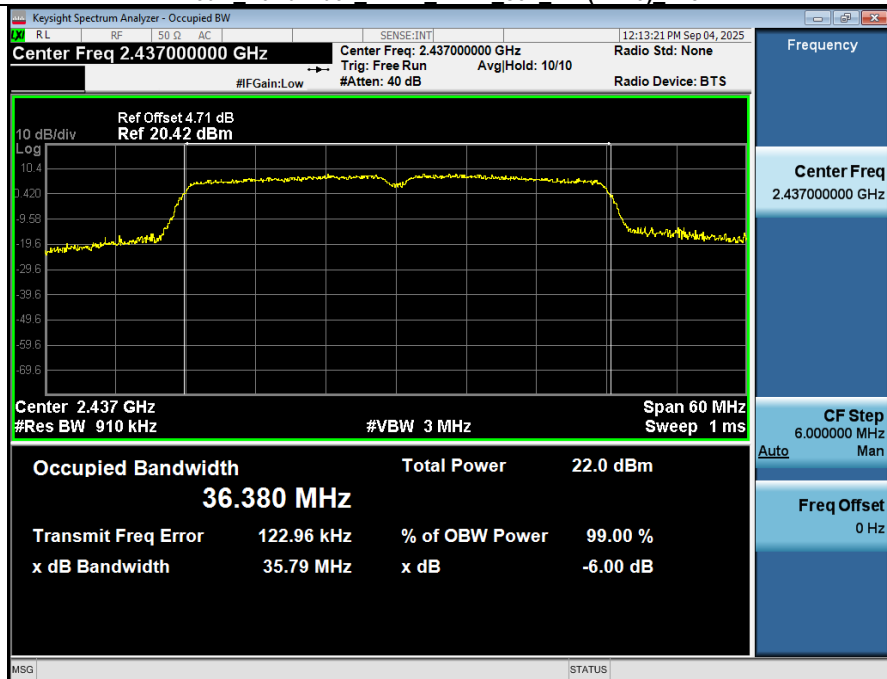
-6dB Bandwidth NVNT ANT1 802 11n(HT20) 2462

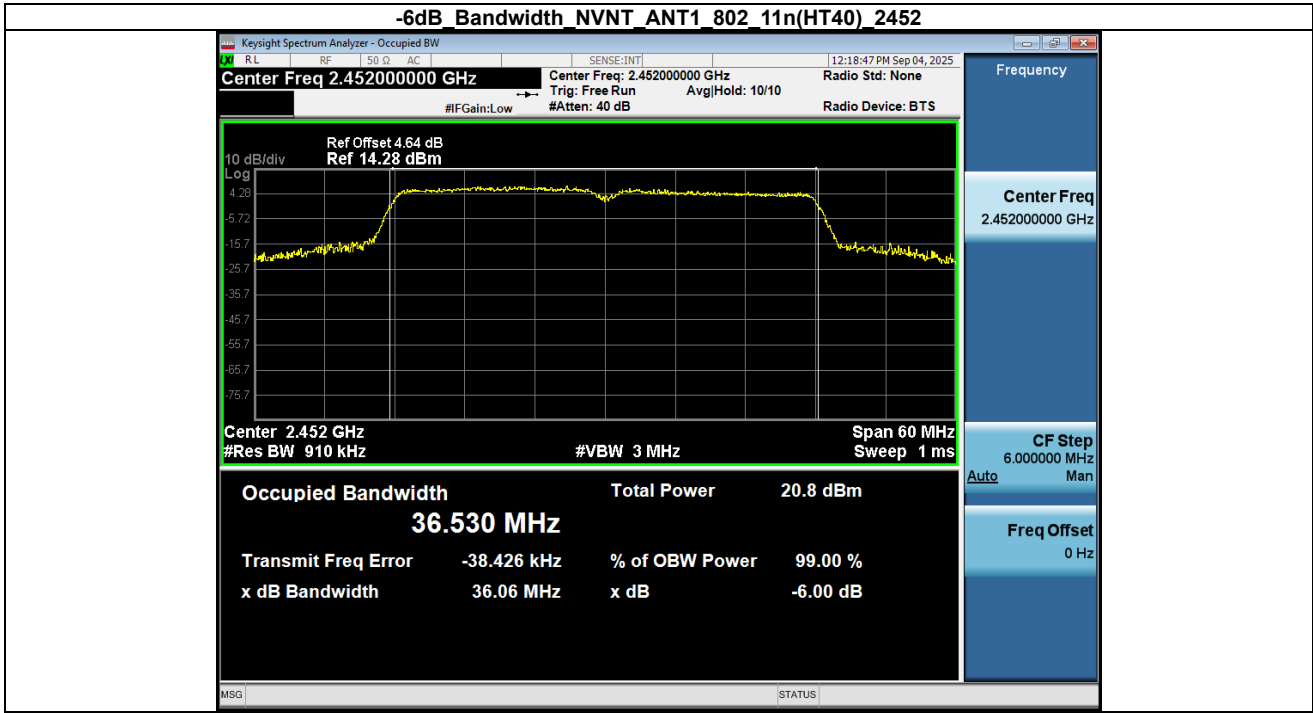


-6dB Bandwidth NVNT ANT1 802 11n(HT40) 2422



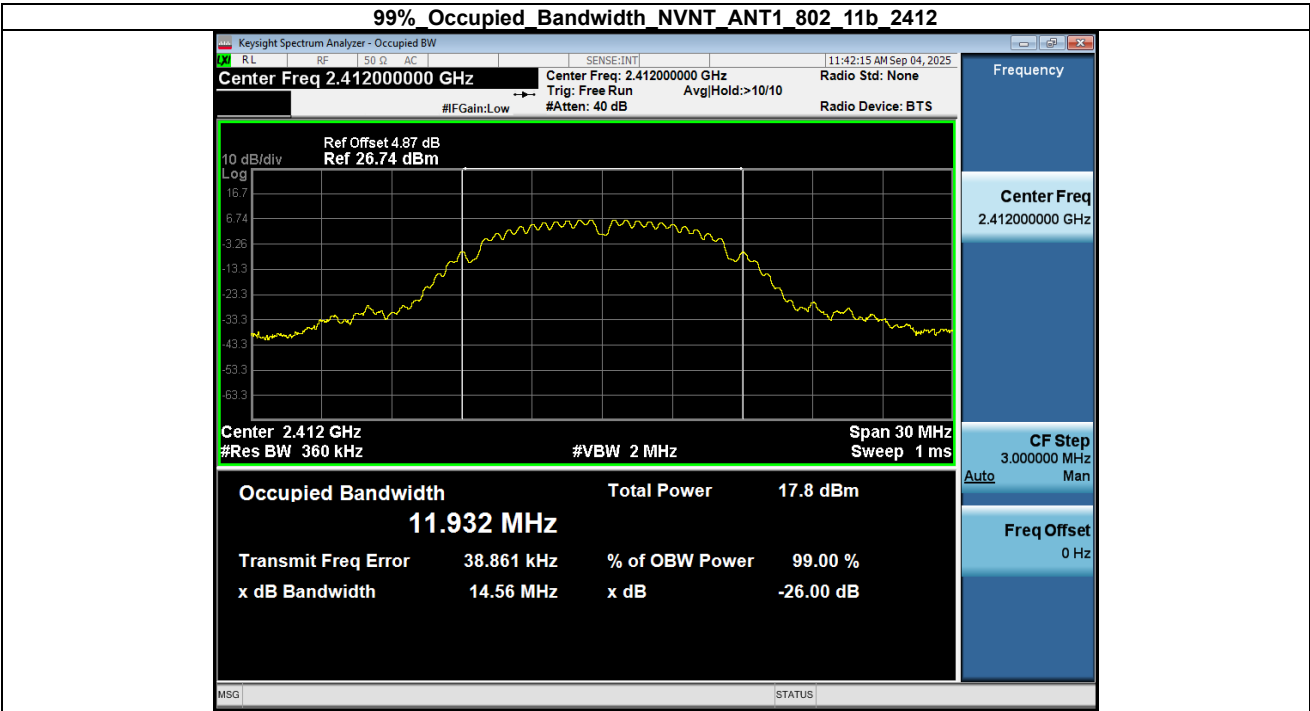
-6dB Bandwidth NVNT ANT1 802 11n(HT40) 2437



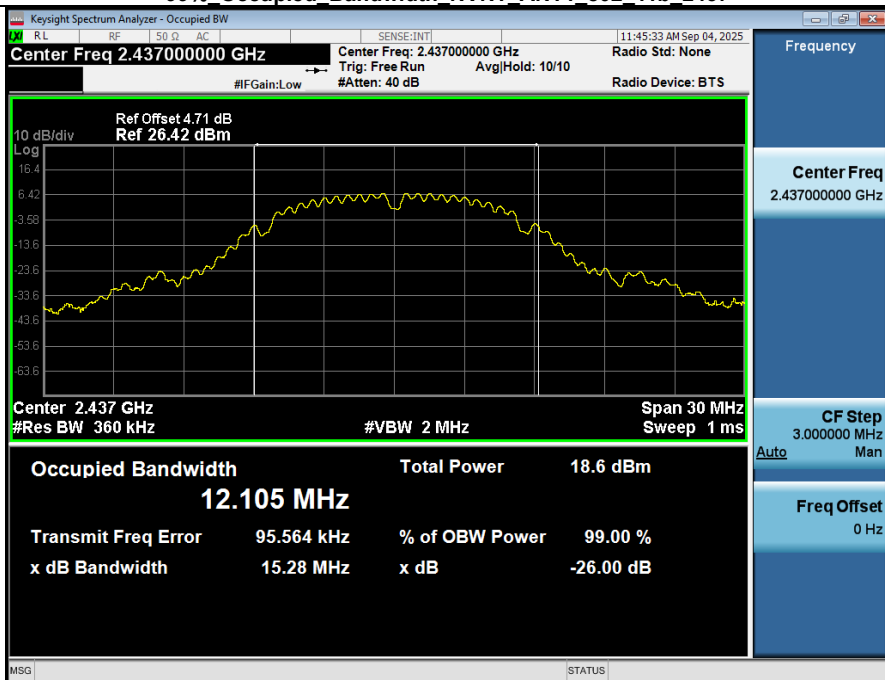


2. 99% Occupied Bandwidth

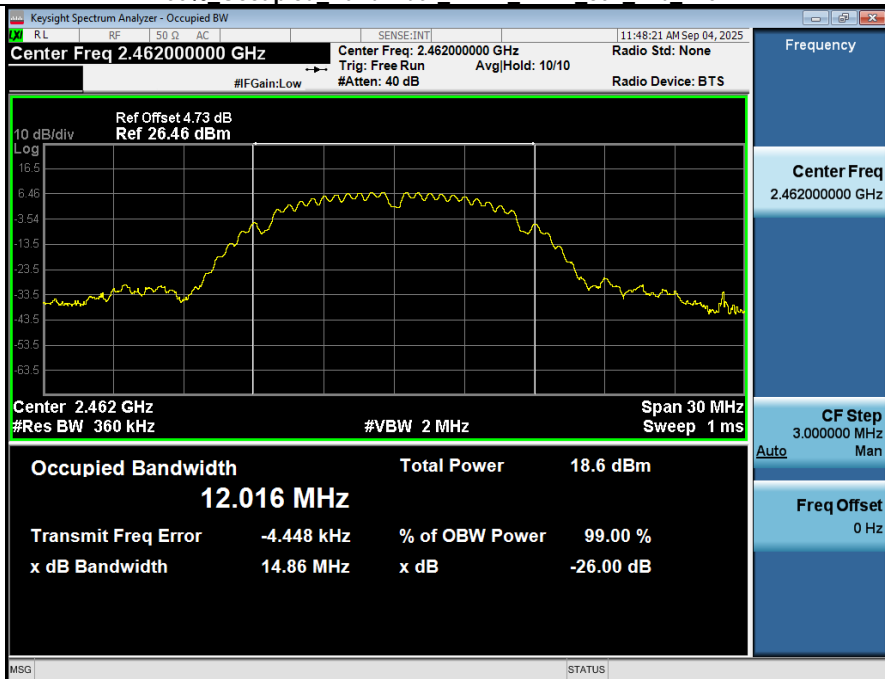
Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	802.11b	2412.00	11.932
NVNT	ANT1	802.11b	2437.00	12.105
NVNT	ANT1	802.11b	2462.00	12.016
NVNT	ANT1	802.11g	2412.00	17.187
NVNT	ANT1	802.11g	2437.00	17.865
NVNT	ANT1	802.11g	2462.00	17.494
NVNT	ANT1	802.11n(HT20)	2412.00	17.791
NVNT	ANT1	802.11n(HT20)	2437.00	18.087
NVNT	ANT1	802.11n(HT20)	2462.00	17.968
NVNT	ANT1	802.11n(HT40)	2422.00	36.809
NVNT	ANT1	802.11n(HT40)	2437.00	36.349
NVNT	ANT1	802.11n(HT40)	2452.00	36.615



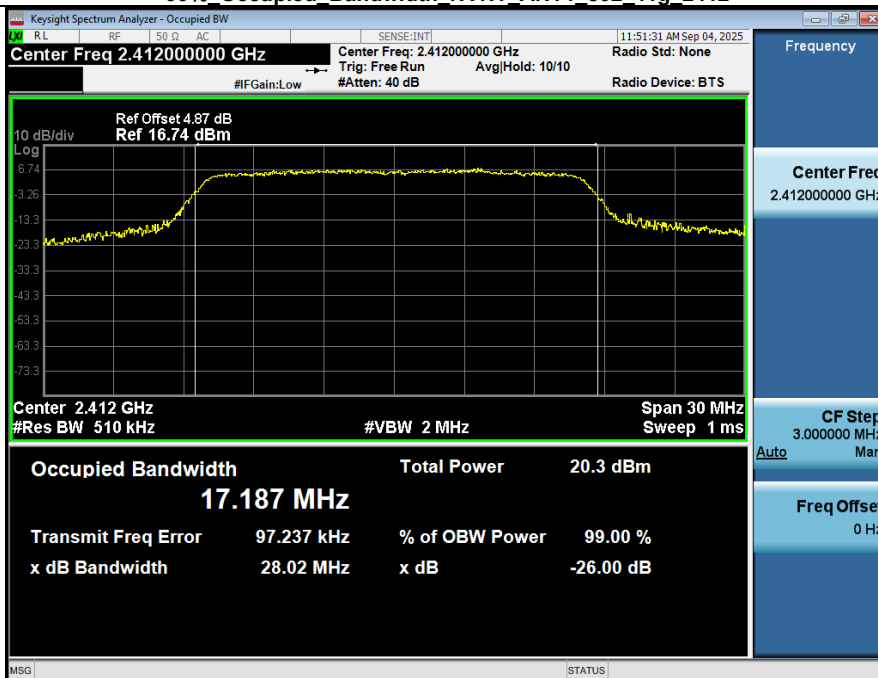
99% Occupied Bandwidth NVNT ANT1 802 11b 2437



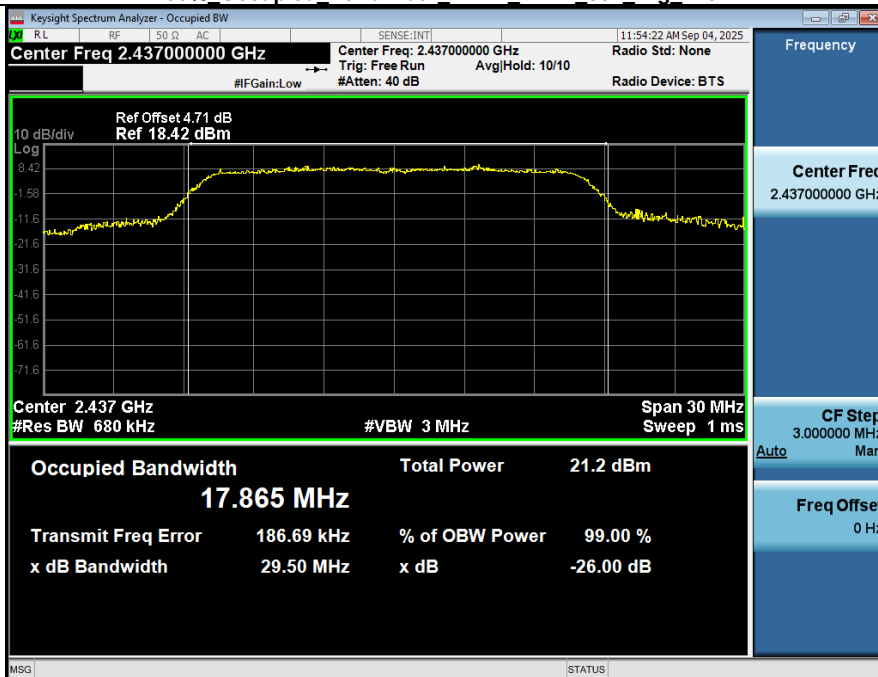
99% Occupied Bandwidth NVNT ANT1 802 11b 2462



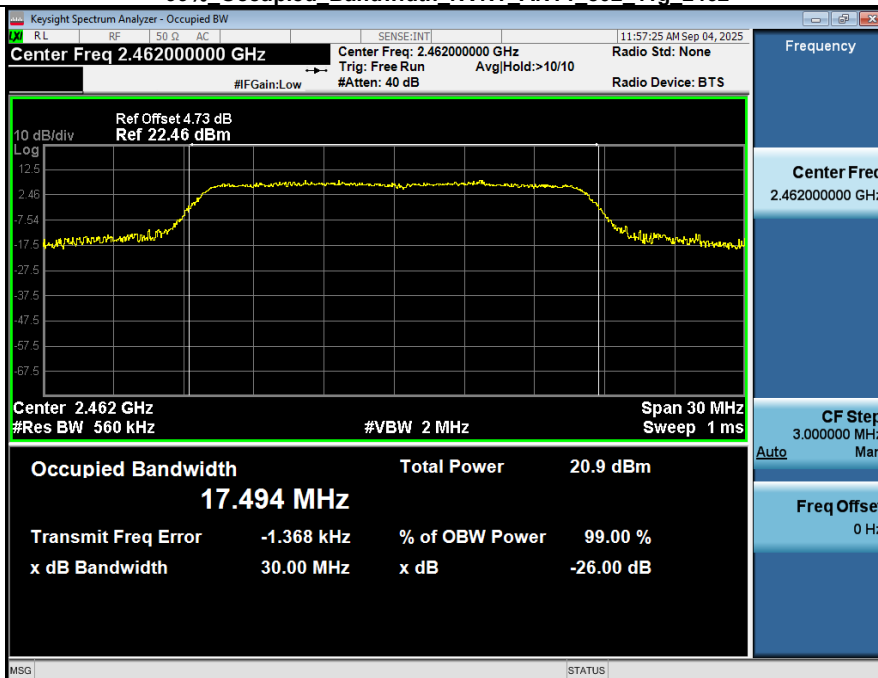
99% Occupied Bandwidth NVNT ANT1 802 11g 2412



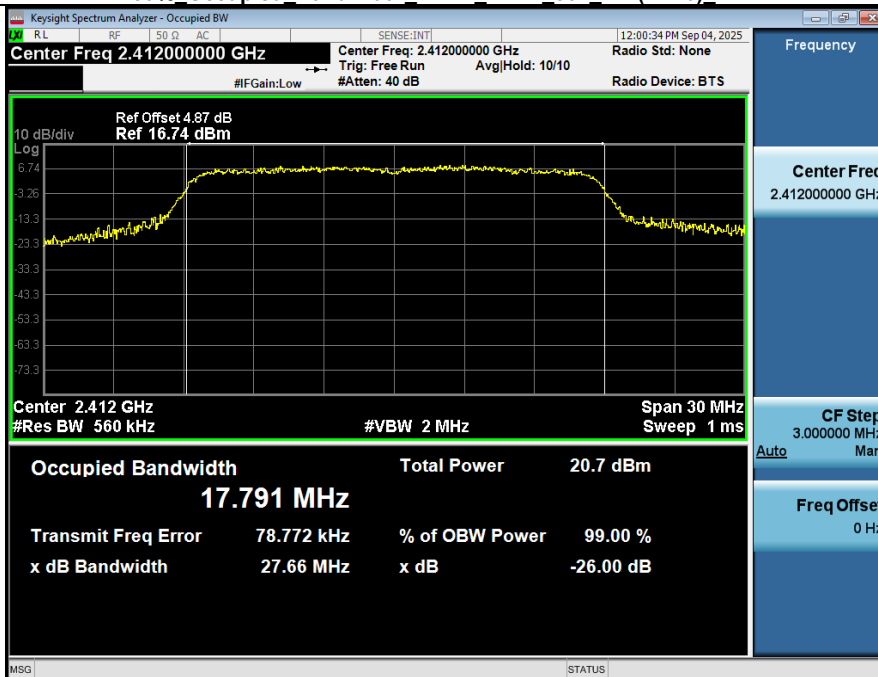
99% Occupied Bandwidth NVNT ANT1 802 11g 2437

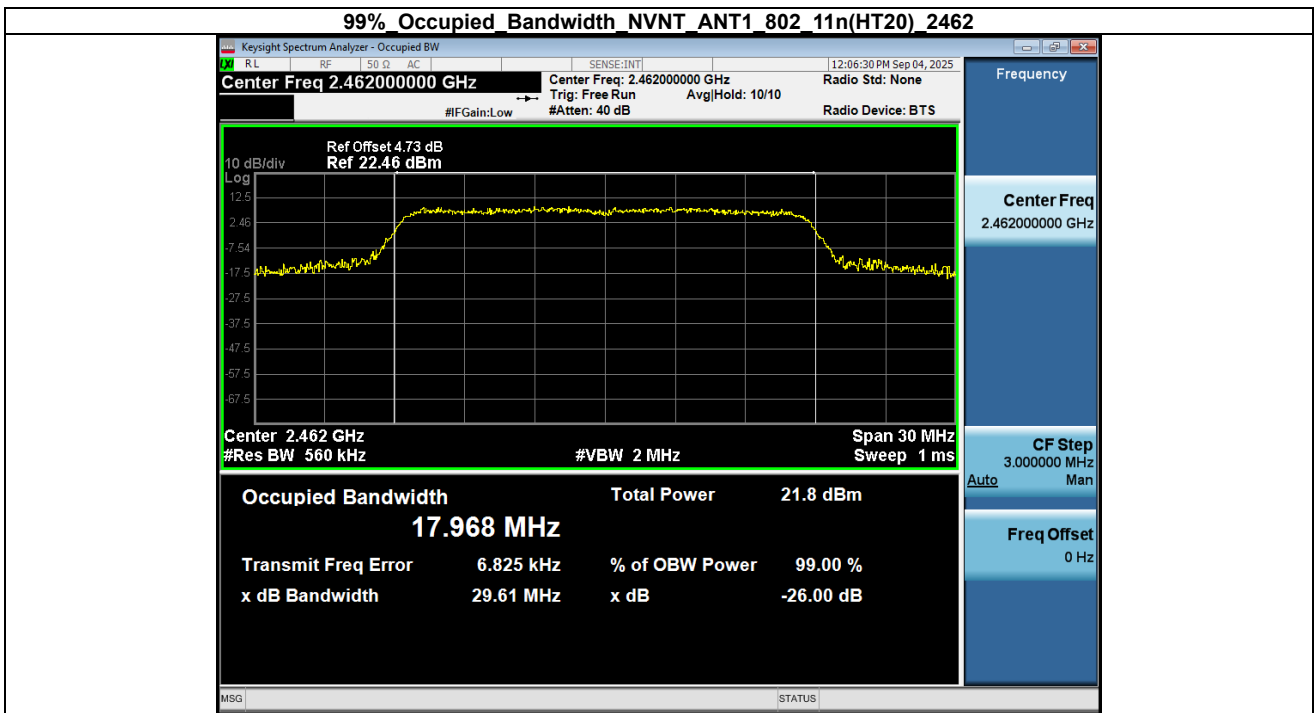
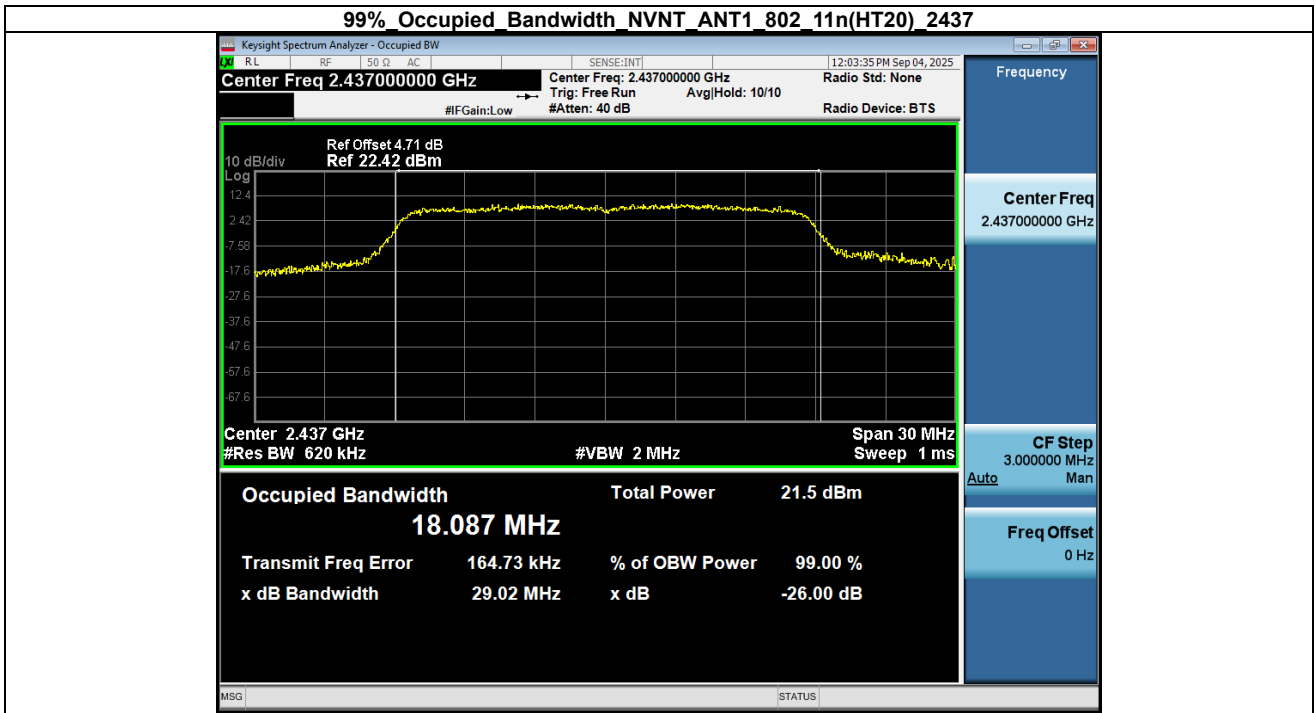


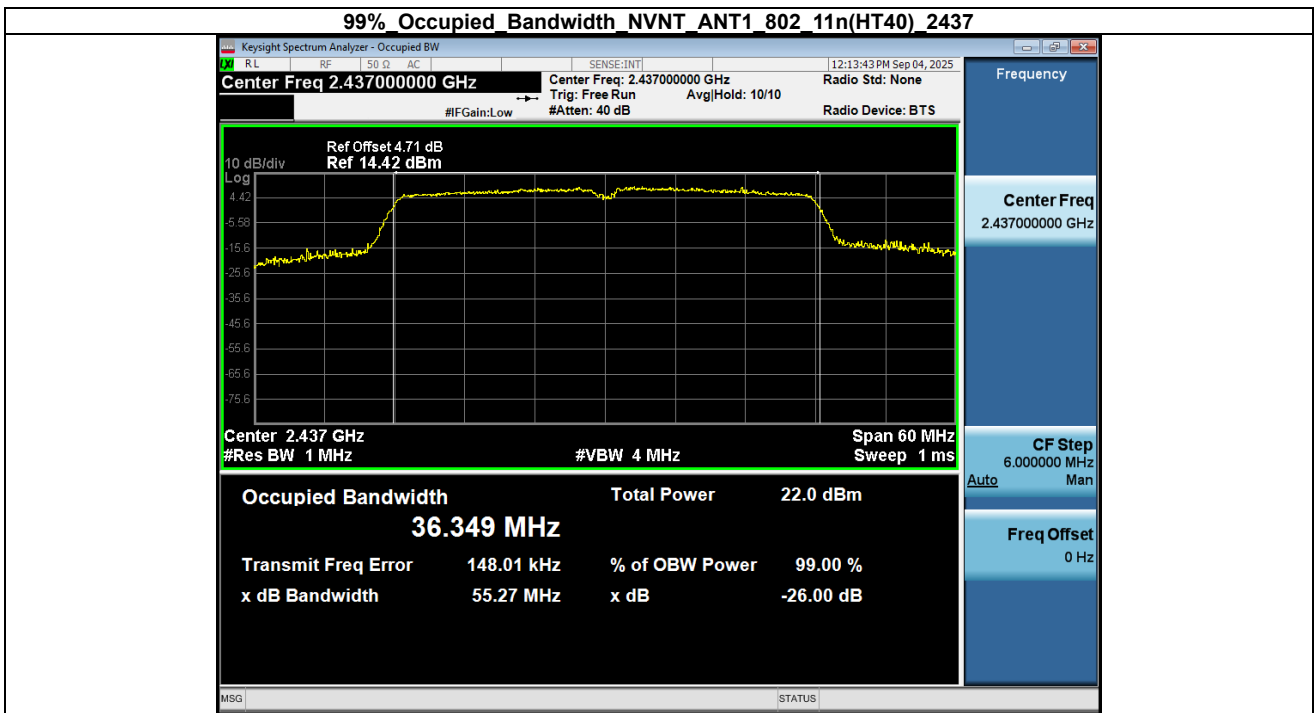
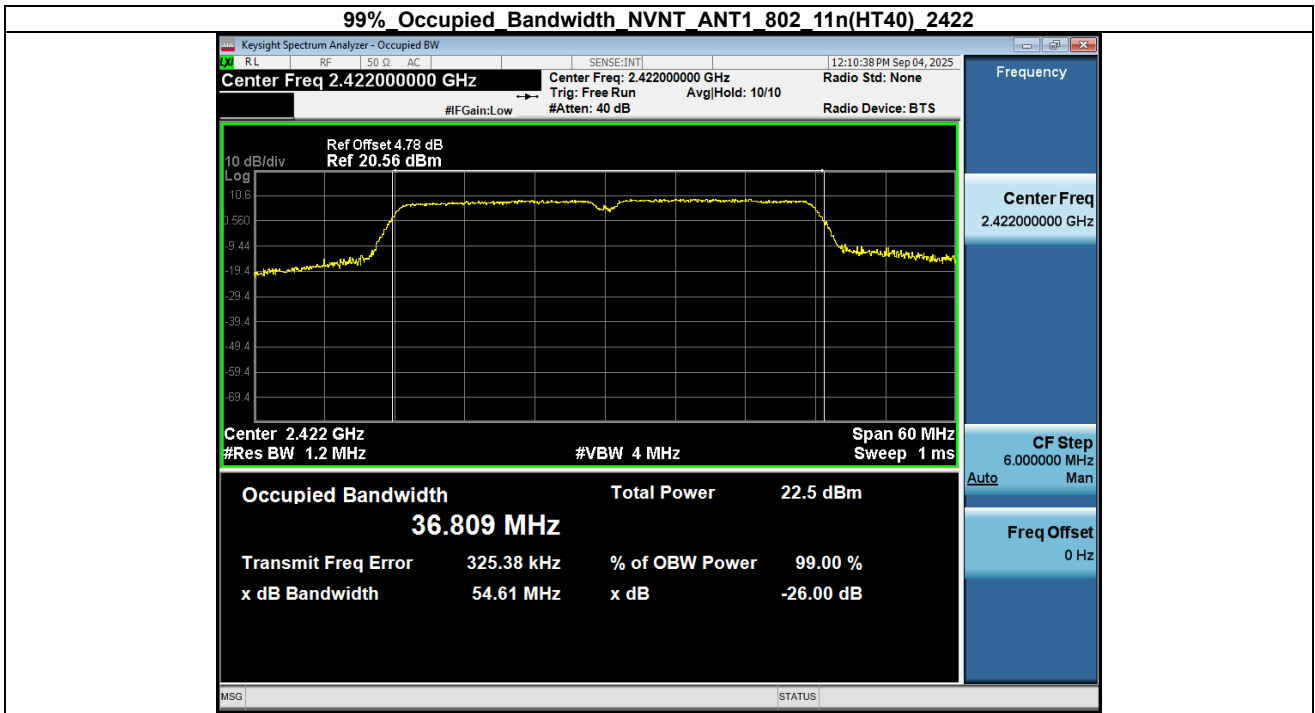
99% Occupied Bandwidth NVNT ANT1 802 11g 2462

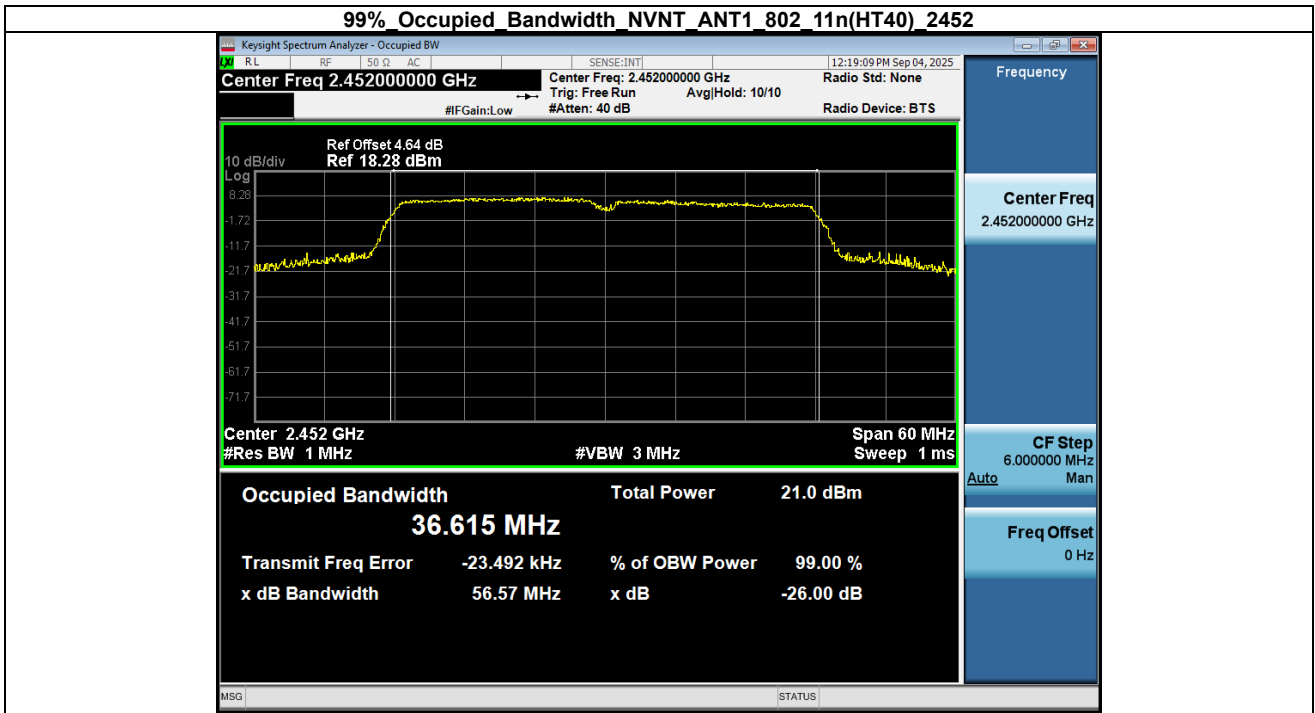


99% Occupied Bandwidth NVNT ANT1 802 11n(HT20) 2412



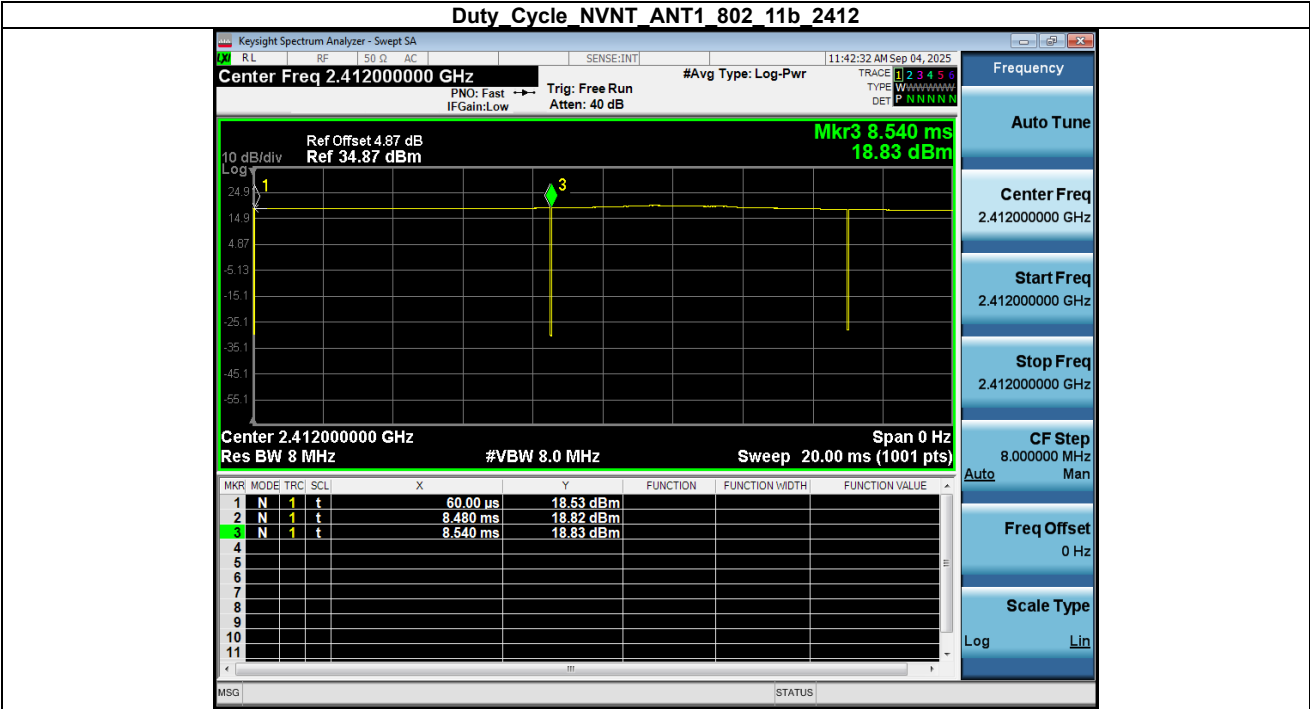




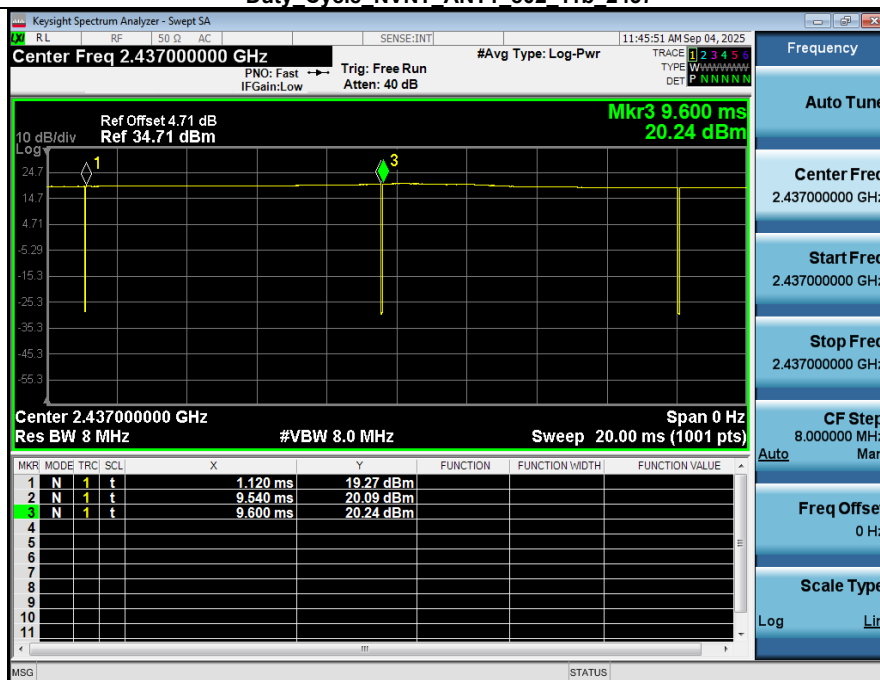


3. Duty Cycle

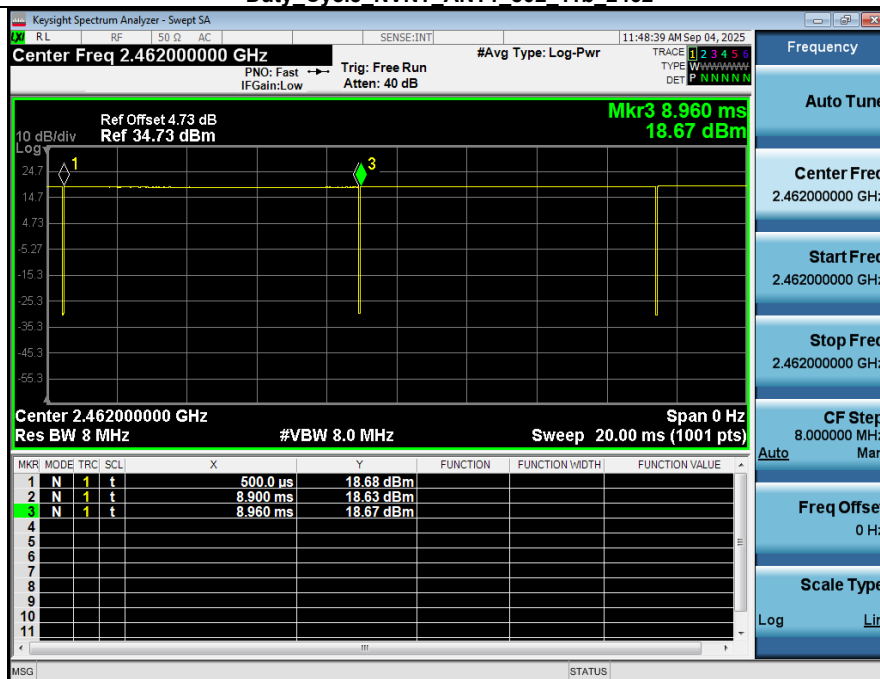
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	99.53	0.00
NVNT	ANT1	802.11b	2437.00	99.53	0.00
NVNT	ANT1	802.11b	2462.00	99.53	0.00
NVNT	ANT1	802.11g	2412.00	98.61	0.00
NVNT	ANT1	802.11g	2437.00	97.26	0.12
NVNT	ANT1	802.11g	2462.00	98.61	0.00
NVNT	ANT1	802.11n(HT20)	2412.00	95.16	0.22
NVNT	ANT1	802.11n(HT20)	2437.00	96.77	0.14
NVNT	ANT1	802.11n(HT20)	2462.00	96.77	0.14
NVNT	ANT1	802.11n(HT40)	2422.00	93.75	0.28
NVNT	ANT1	802.11n(HT40)	2437.00	93.75	0.28
NVNT	ANT1	802.11n(HT40)	2452.00	96.87	0.14



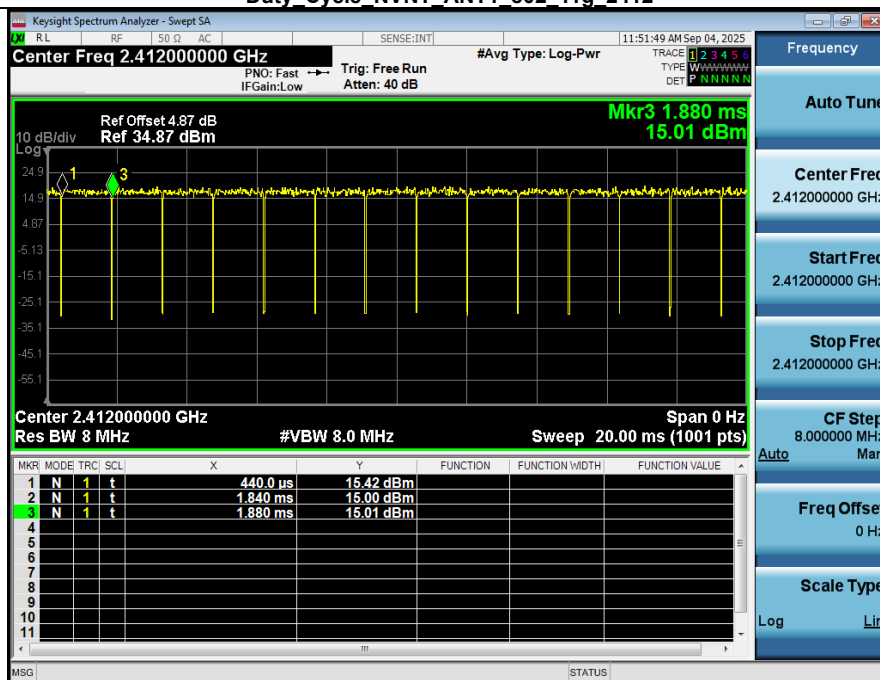
Duty Cycle NVNT ANT1 802 11b 2437



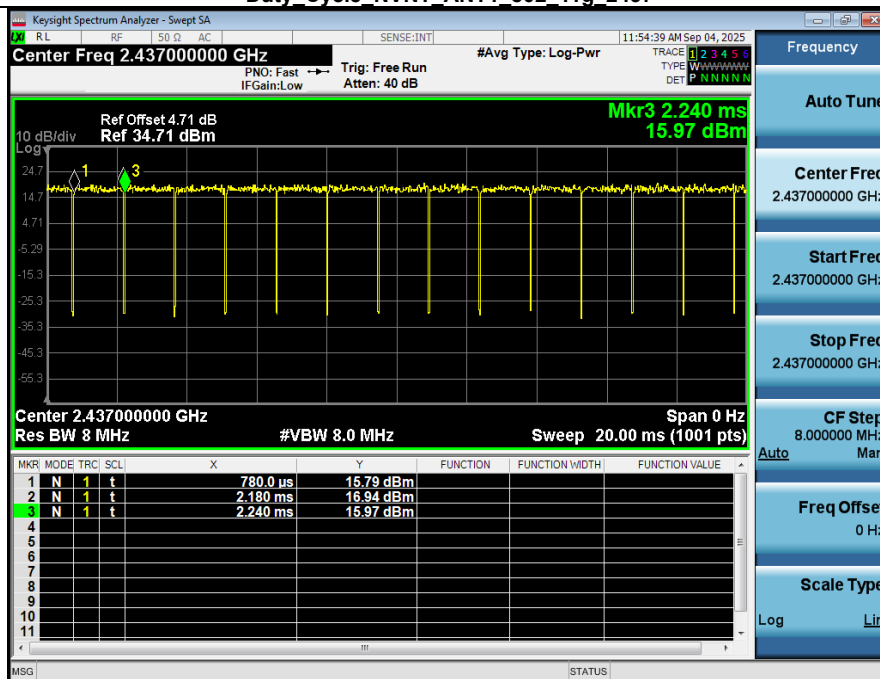
Duty Cycle NVNT ANT1 802 11b 2462



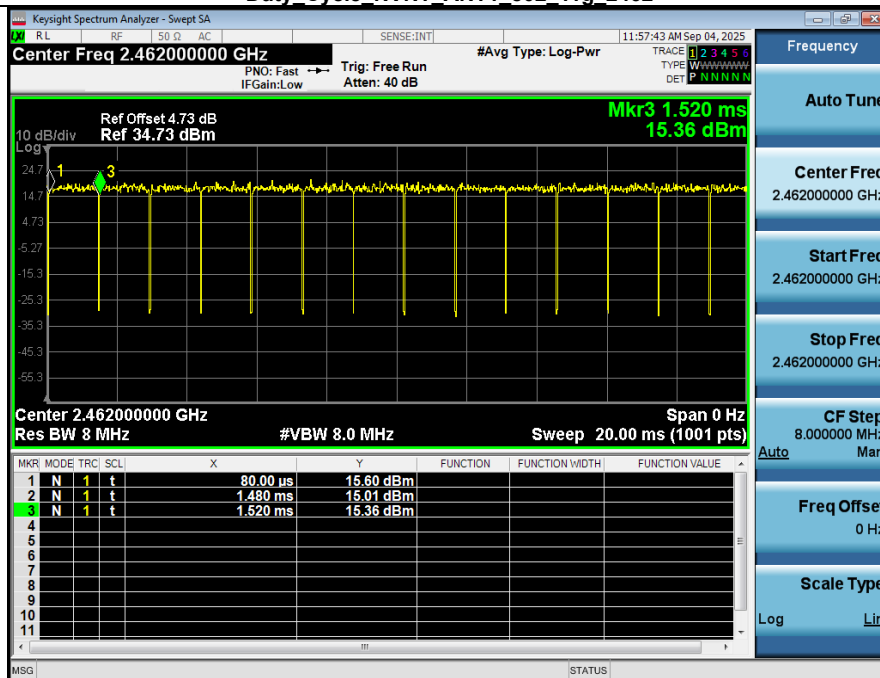
Duty Cycle NVNT ANT1 802 11g 2412



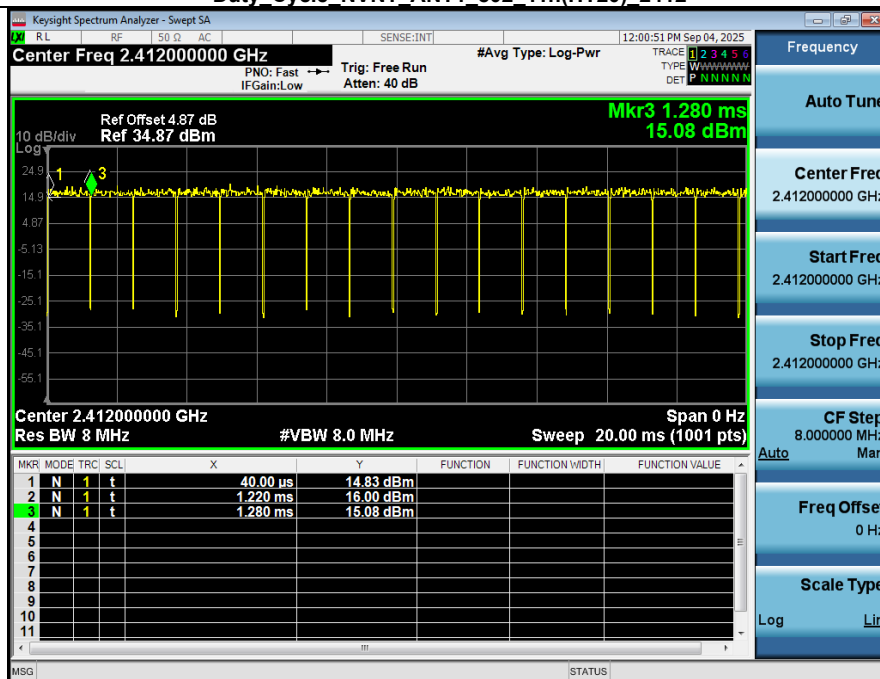
Duty Cycle NVNT ANT1 802 11g 2437



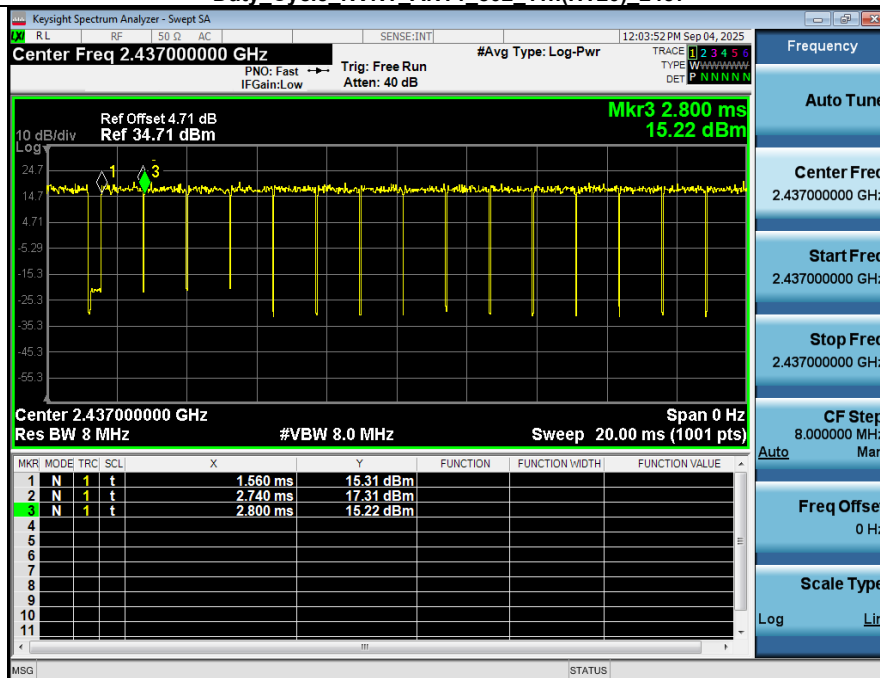
Duty Cycle NVNT ANT1 802_11g_2462



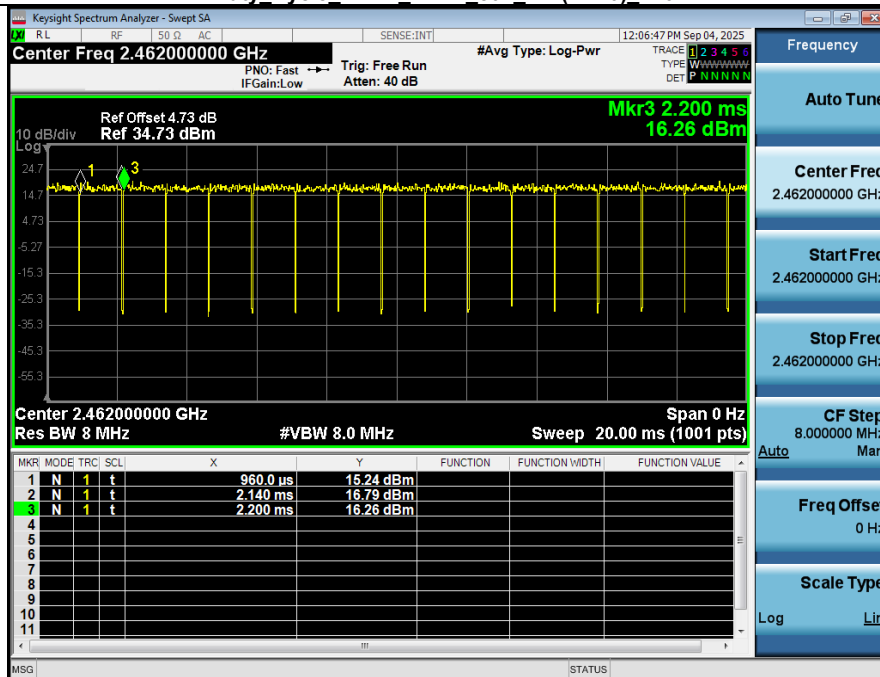
Duty Cycle NVNT ANT1 802_11n(HT20) 2412



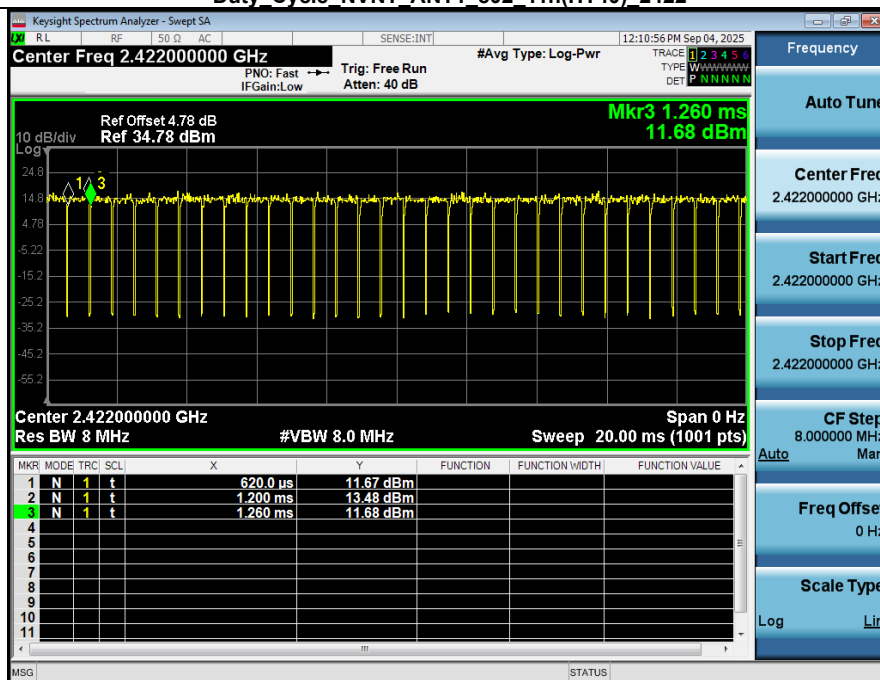
Duty Cycle NVNT ANT1 802 11n(HT20) 2437



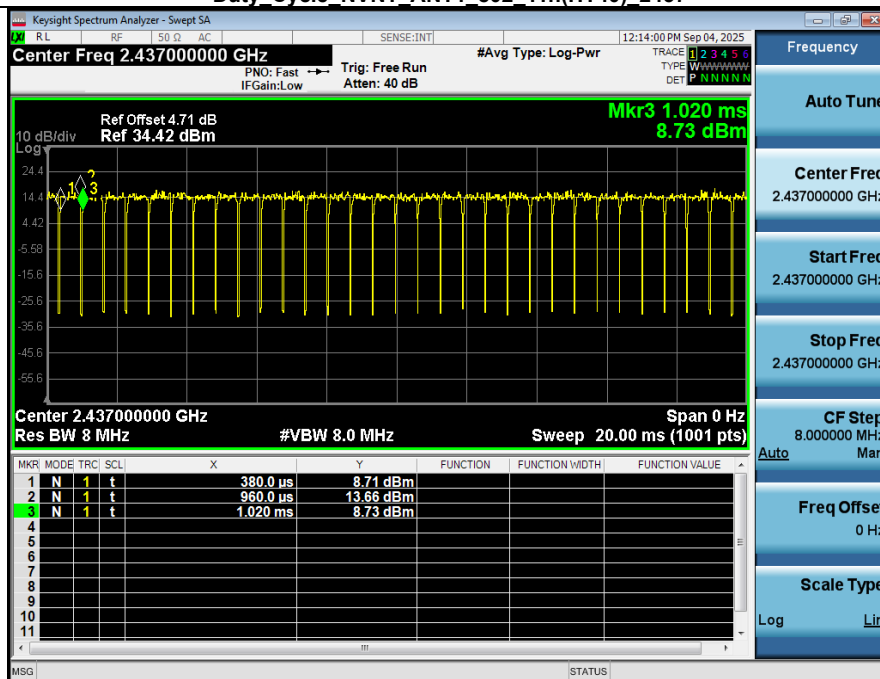
Duty Cycle NVNT ANT1 802 11n(HT20) 2462



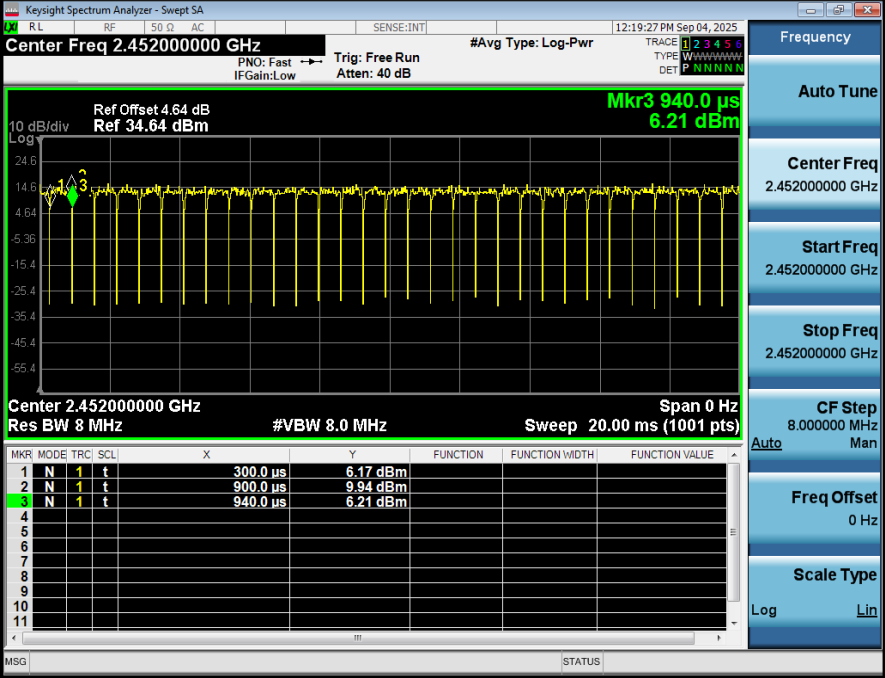
Duty Cycle NVNT ANT1 802 11n(HT40) 2422



Duty Cycle NVNT ANT1 802 11n(HT40) 2437



Duty Cycle NVNT ANT1_802_11n(HT40)_2452

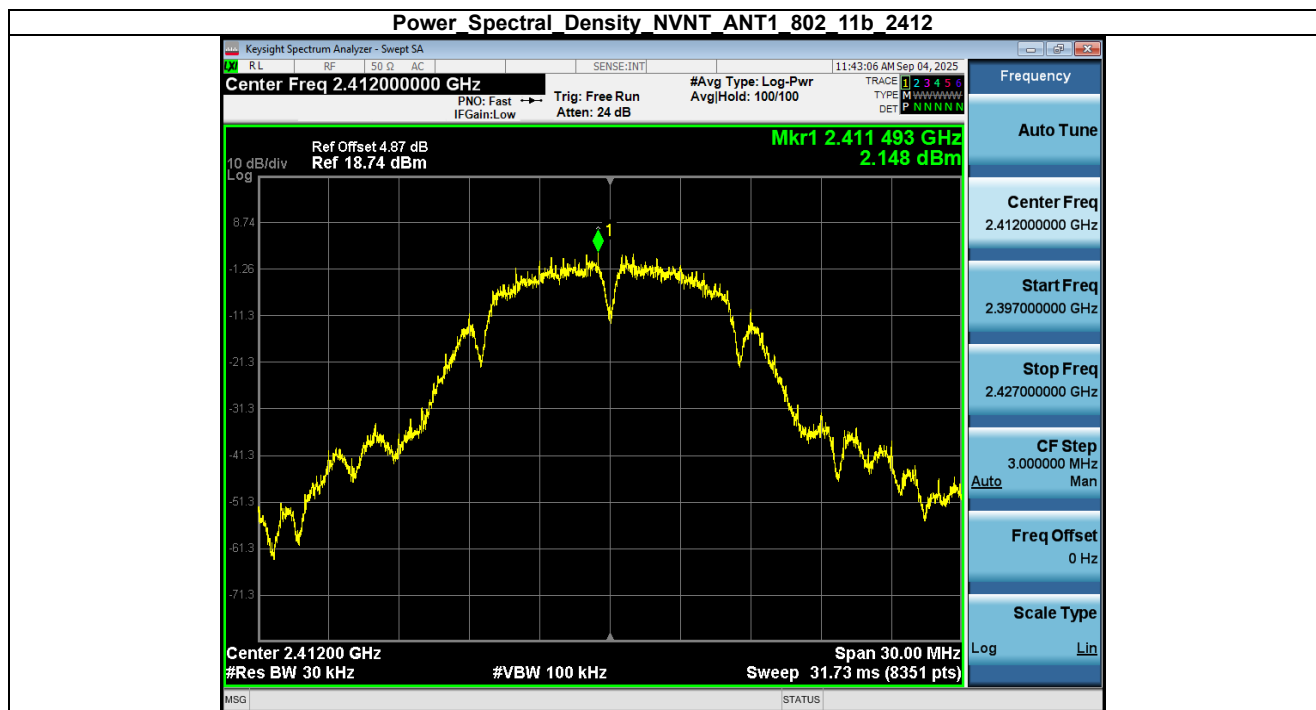


4. MAX. Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Detector	Conducted Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	Peak	16.95	30	Pass
NVNT	ANT1	802.11b	2437.00	Peak	17.71	30	Pass
NVNT	ANT1	802.11b	2462.00	Peak	17.80	30	Pass
NVNT	ANT1	802.11g	2412.00	Peak	19.96	30	Pass
NVNT	ANT1	802.11g	2437.00	Peak	20.77	30	Pass
NVNT	ANT1	802.11g	2462.00	Peak	20.57	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	Peak	20.03	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	Peak	20.85	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	Peak	21.22	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	Peak	21.22	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	Peak	20.97	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	Peak	20.01	30	Pass

5. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	SA_PSD(dBm/30kHz)	RB factor(dB)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	2.15	-10.00	-7.85	8	Pass
NVNT	ANT1	802.11b	2437.00	3.13	-10.00	-6.87	8	Pass
NVNT	ANT1	802.11b	2462.00	4.54	-10.00	-5.46	8	Pass
NVNT	ANT1	802.11g	2412.00	-1.93	-10.00	-11.93	8	Pass
NVNT	ANT1	802.11g	2437.00	-1.39	-10.00	-11.39	8	Pass
NVNT	ANT1	802.11g	2462.00	-1.94	-10.00	-11.94	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-3.33	-10.00	-13.33	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-2.26	-10.00	-12.26	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-2.26	-10.00	-12.26	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-4.90	-10.00	-14.90	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-5.17	-10.00	-15.17	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-5.91	-10.00	-15.91	8	Pass



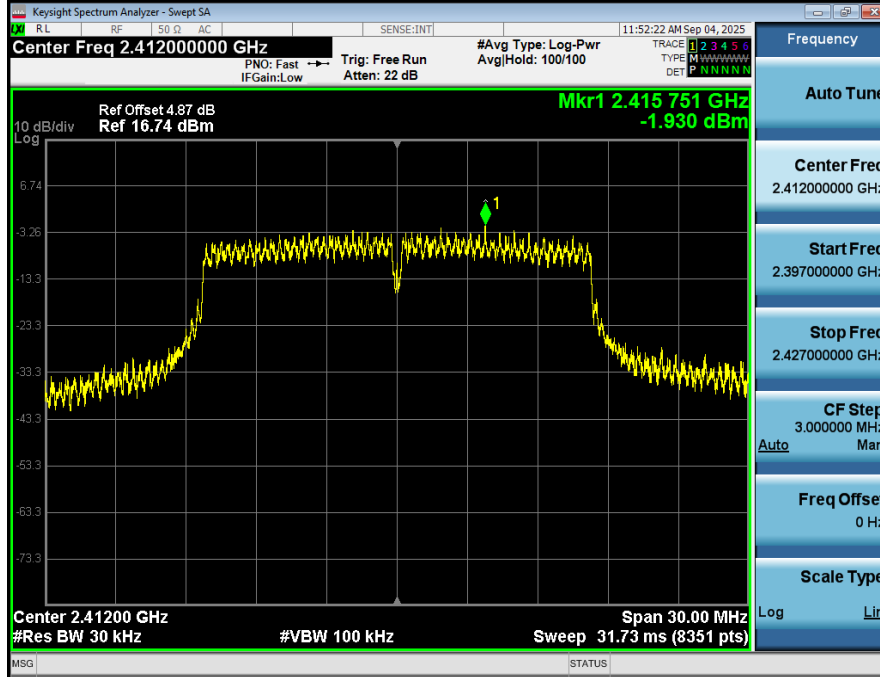
Power Spectral Density NVNT ANT1 802 11b 2437



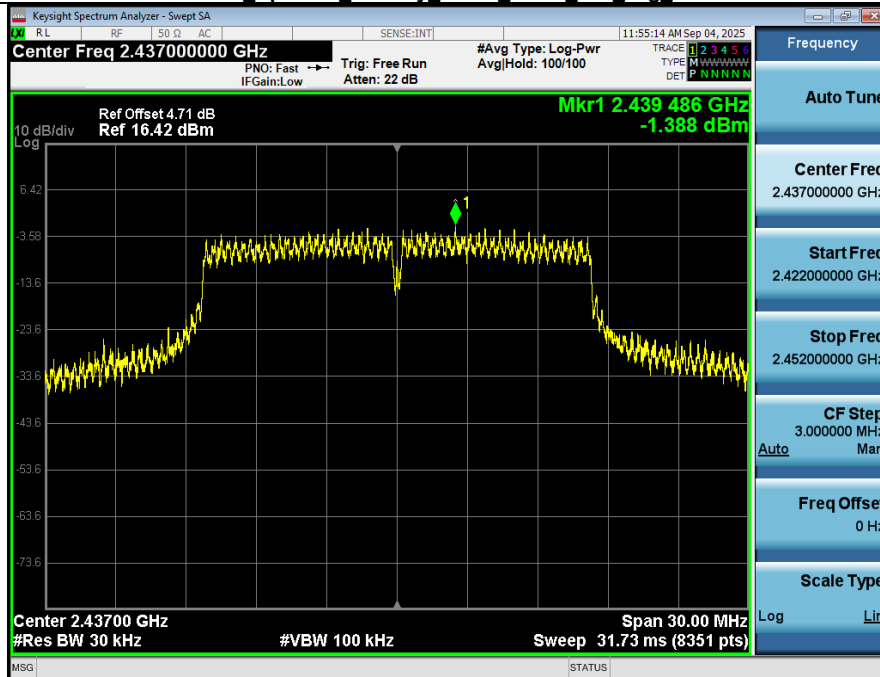
Power Spectral Density NVNT ANT1 802 11b 2462



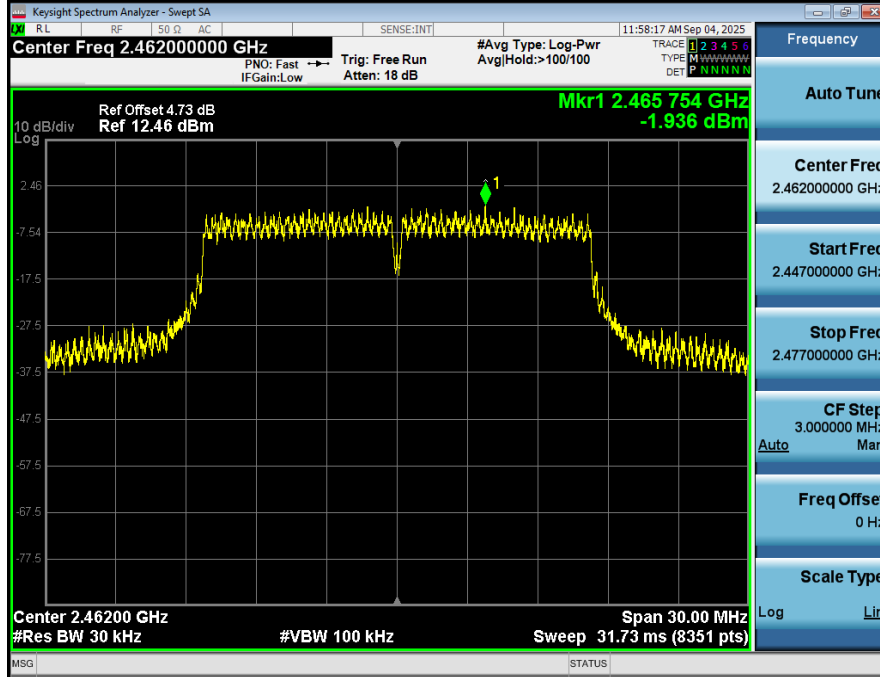
Power Spectral Density NVNT ANT1 802 11g 2412



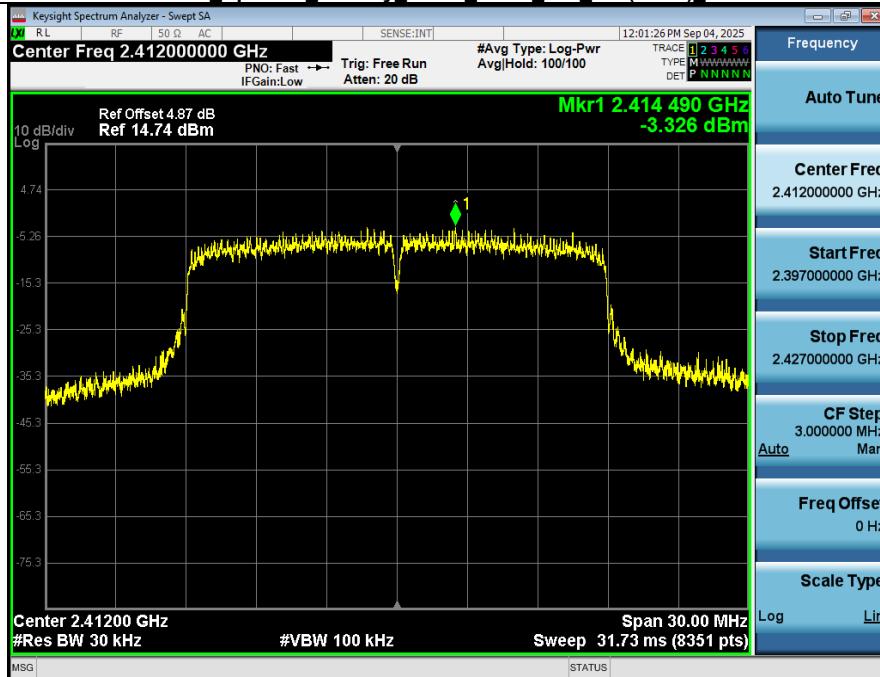
Power Spectral Density NVNT ANT1 802 11g 2437



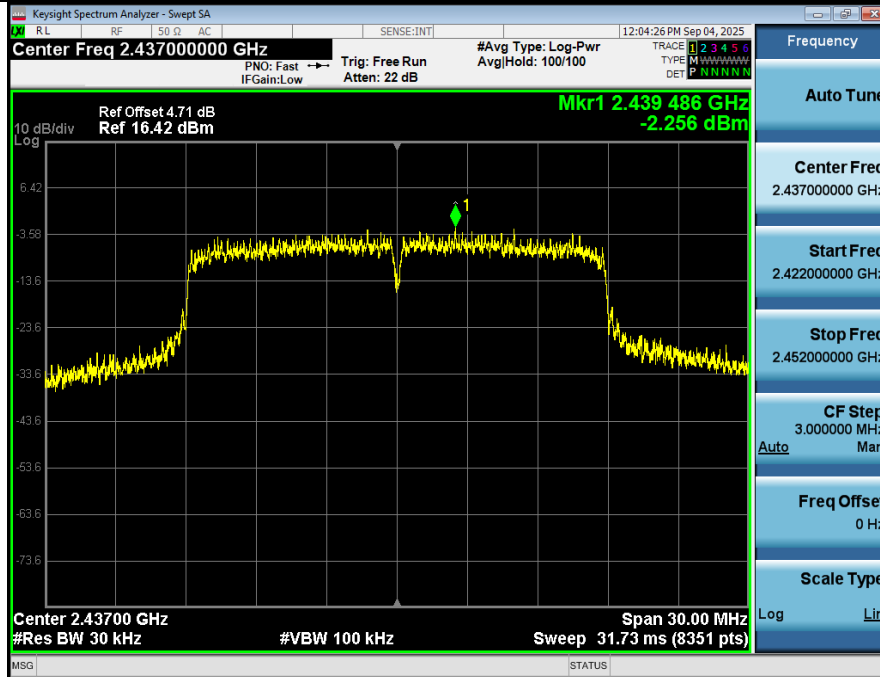
Power Spectral Density NVNT ANT1 802 11g 2462



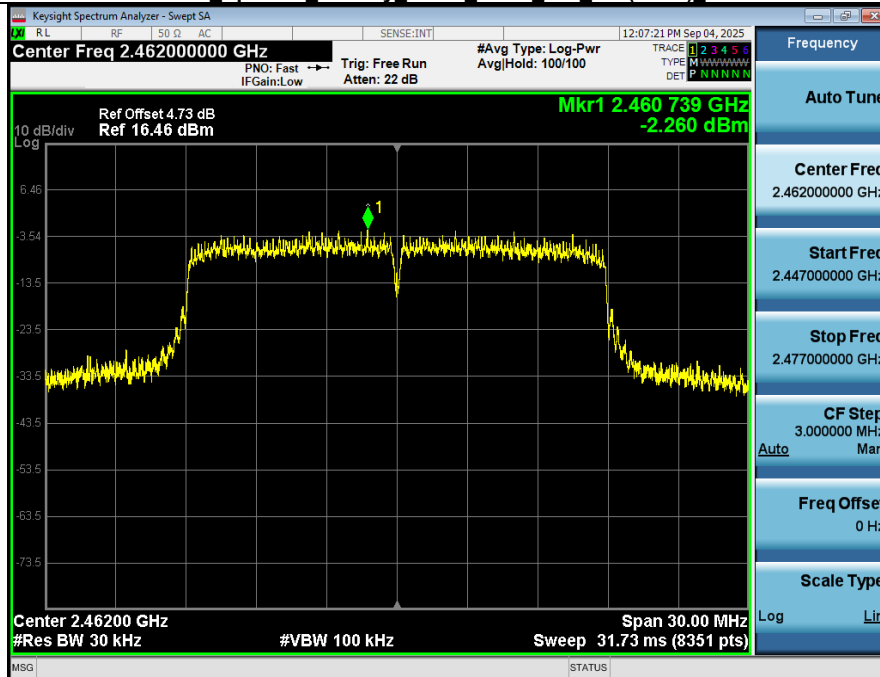
Power Spectral Density NVNT ANT1 802 11n(HT20) 2412



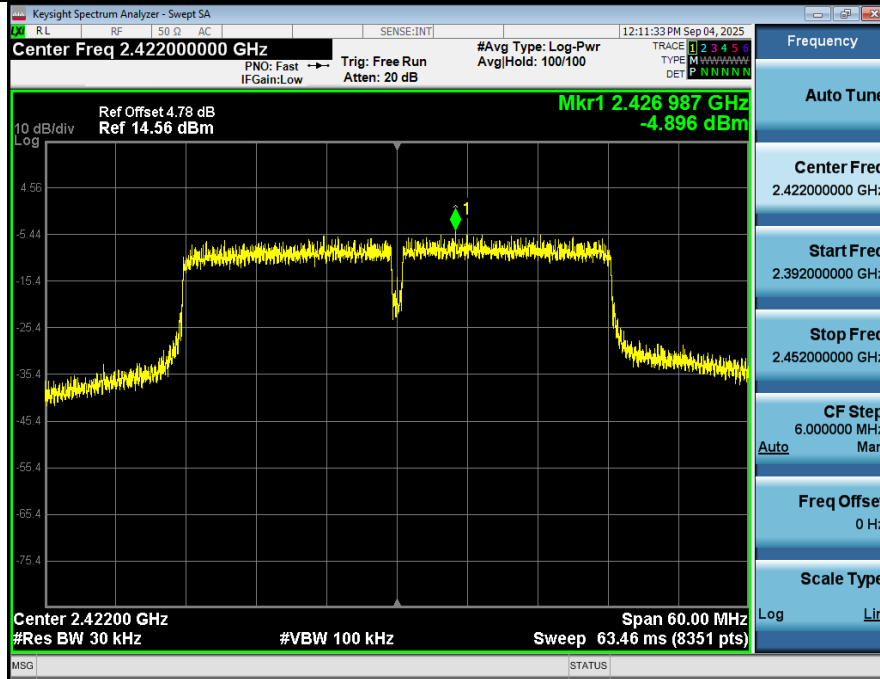
Power Spectral Density NVNT ANT1 802 11n(HT20) 2437



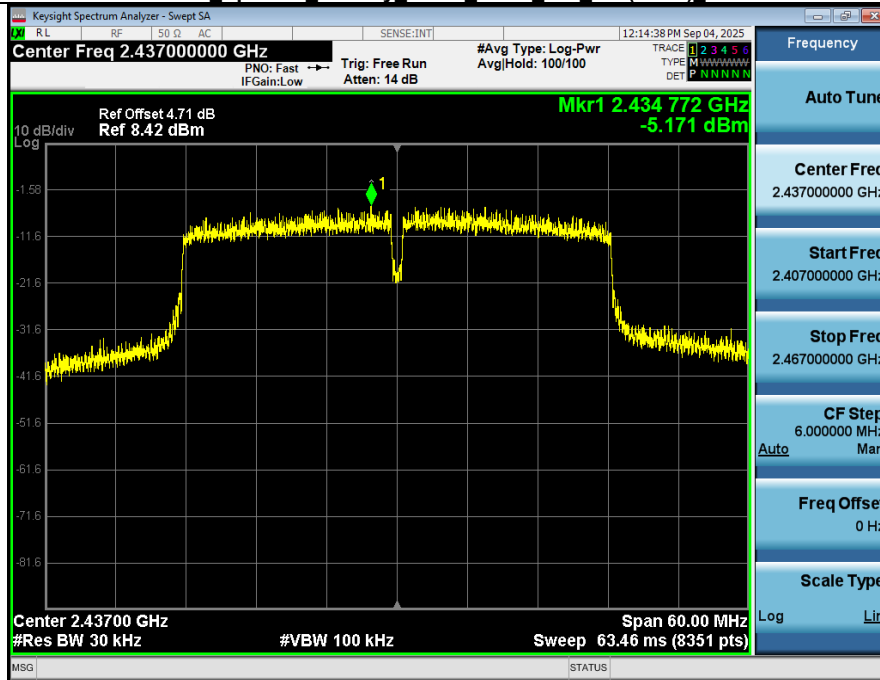
Power Spectral Density NVNT ANT1 802 11n(HT20) 2462



Power Spectral Density NVNT ANT1 802 11n(HT40) 2422



Power Spectral Density NVNT ANT1 802 11n(HT40) 2437

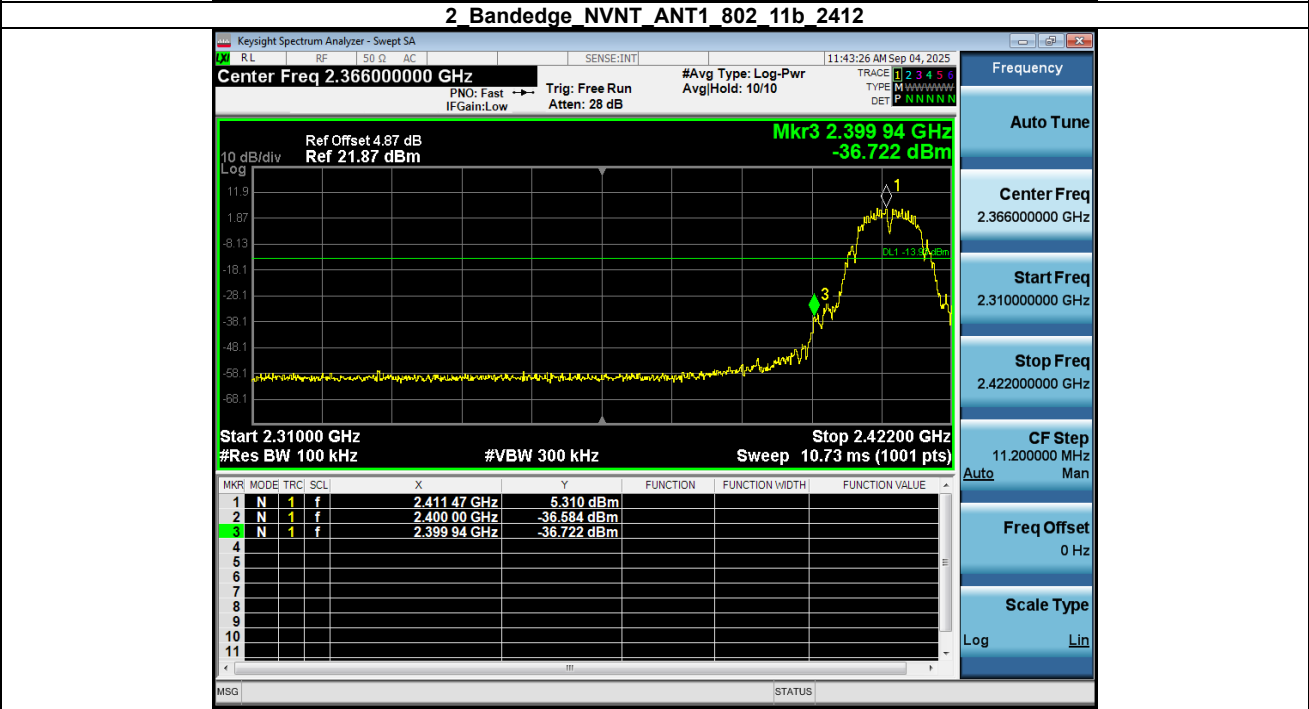


Power Spectral Density NVNT ANT1_802_11n(HT40) 2452



6. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	2399.936	6.073	-36.722	-13.927	Pass
NVNT	ANT1	802.11b	2462.00	2485.840	6.869	-54.411	-13.131	Pass
NVNT	ANT1	802.11g	2412.00	2399.712	1.883	-27.077	-18.117	Pass
NVNT	ANT1	802.11g	2462.00	2483.536	2.282	-38.655	-17.718	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.936	1.659	-29.228	-18.341	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2483.872	2.134	-35.525	-17.866	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2399.232	-0.534	-29.171	-20.534	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2485.448	-1.029	-35.948	-21.029	Pass



1 Reference Level NVNT_ANT1_802_11b_2462



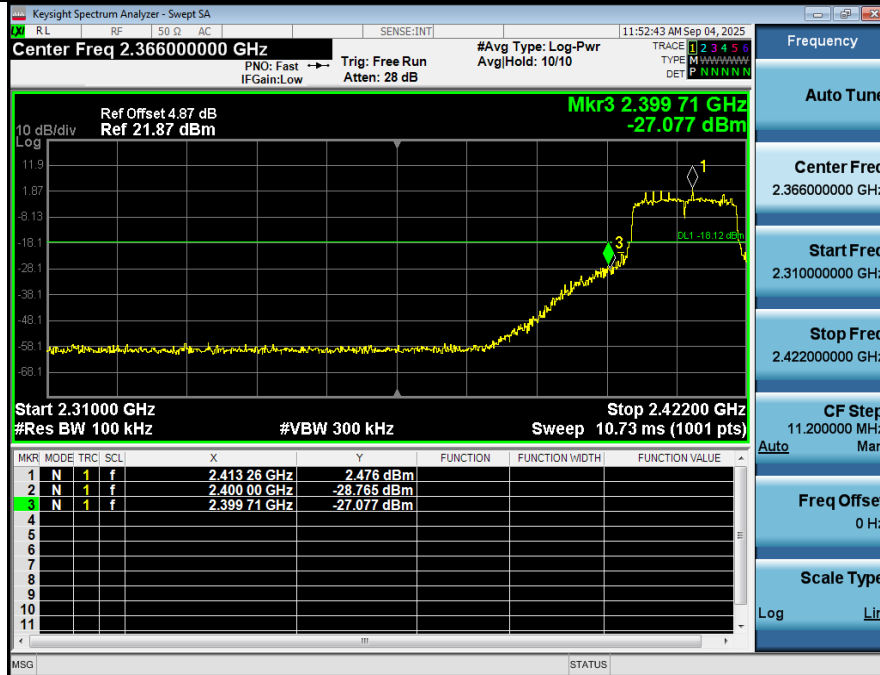
2 Bandedge NVNT_ANT1_802_11b_2462



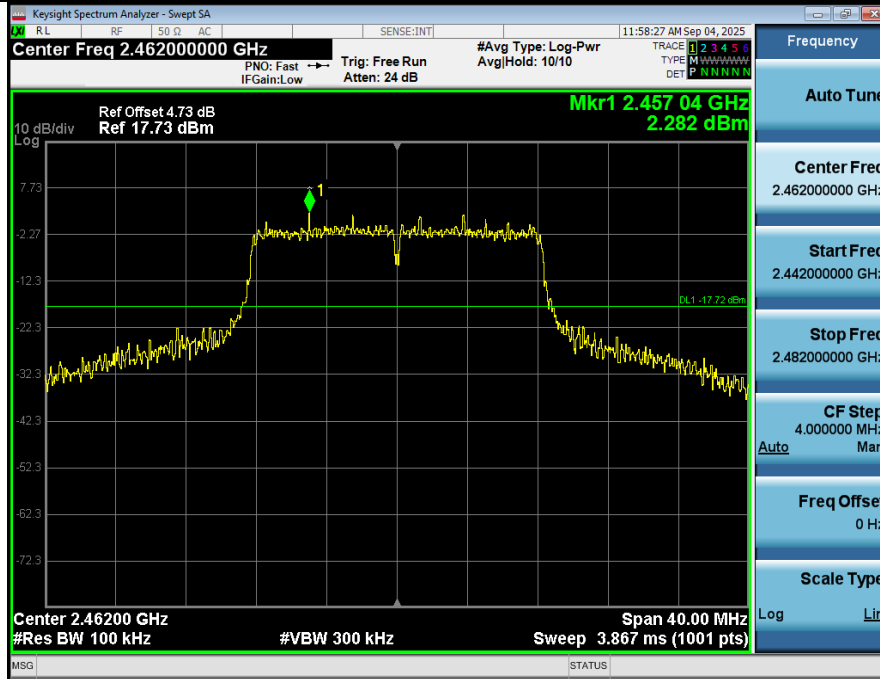
1 Reference Level NVNT_ANT1_802_11g_2412



2 Bandedge NVNT_ANT1_802_11g_2412



1 Reference Level NVNT_ANT1_802_11g_2462



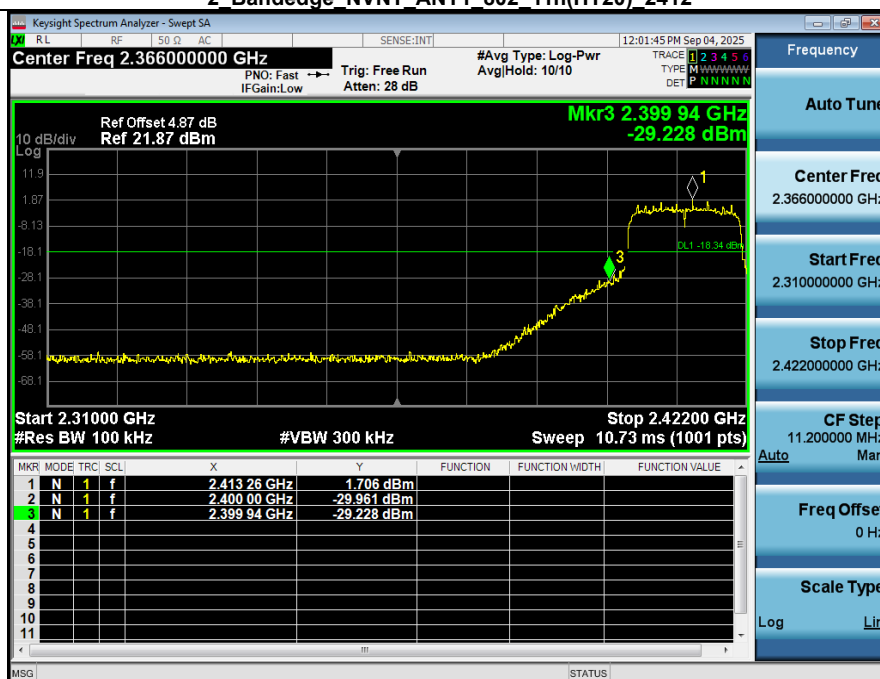
2 Bandedge NVNT_ANT1_802_11g_2462



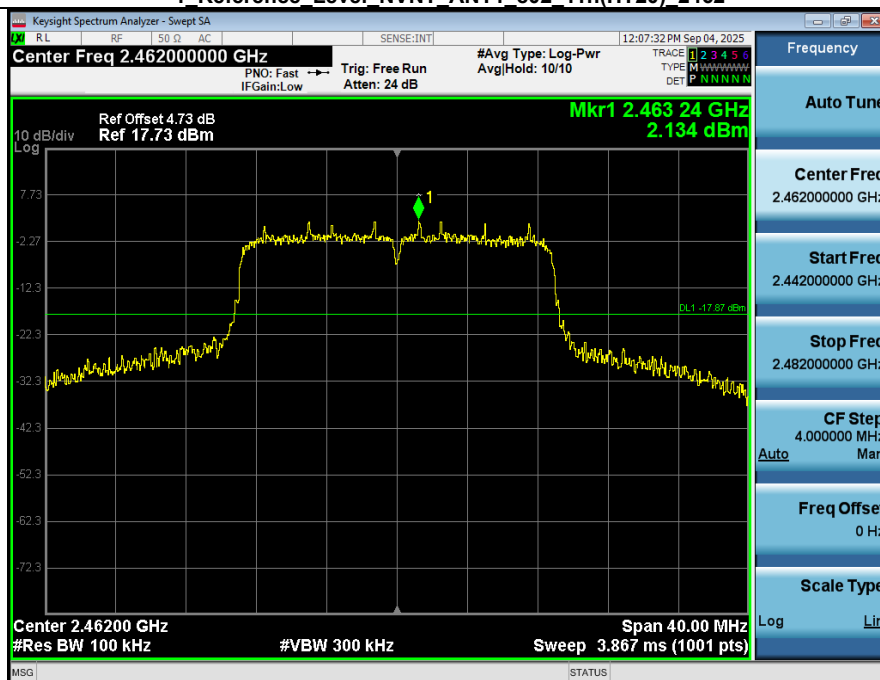
1 Reference Level NVNT_ANT1_802_11n(HT20)_2412



2 Bandedge NVNT_ANT1_802_11n(HT20)_2412



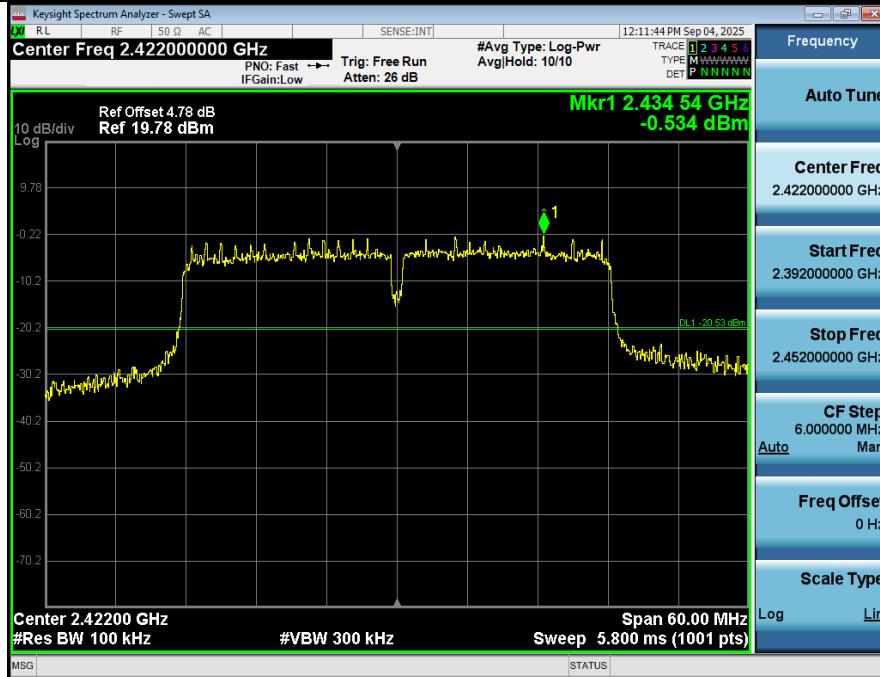
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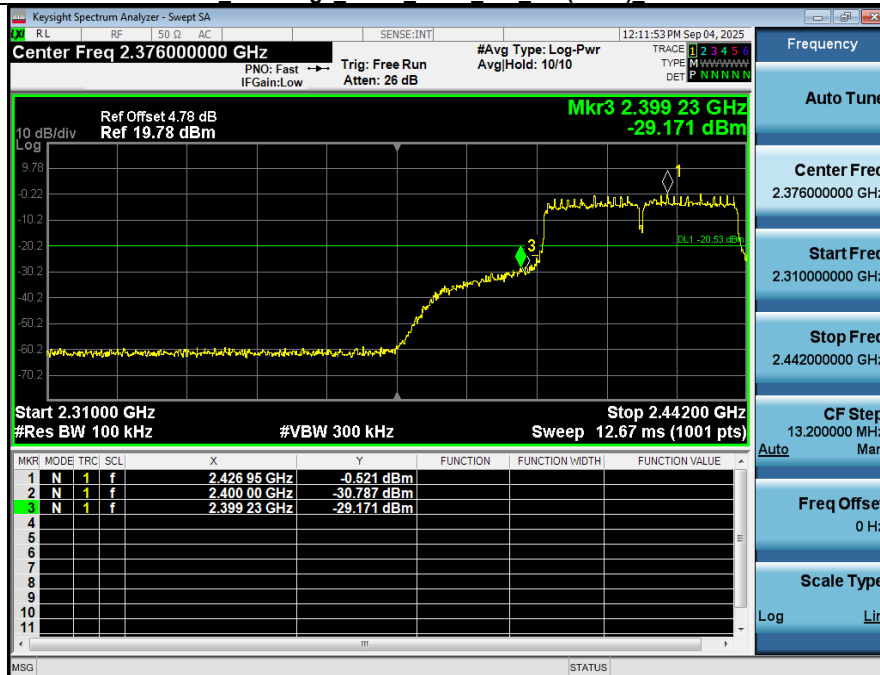
2 Bandedge NVNT_ANT1_802_11n(HT20)_2462



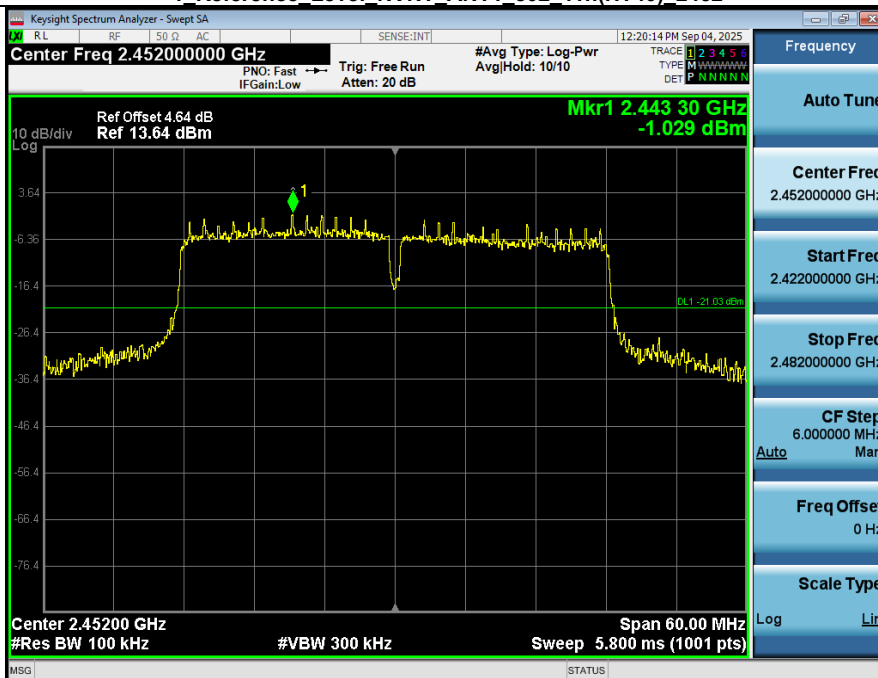
1 Reference Level NVNT_ANT1_802_11n(HT40)_2422



2 Bandedge NVNT_ANT1_802_11n(HT40)_2422



1 Reference Level NVNT_ANT1_802_11n(HT40)_2452



2 Bandedge NVNT_ANT1_802_11n(HT40)_2452

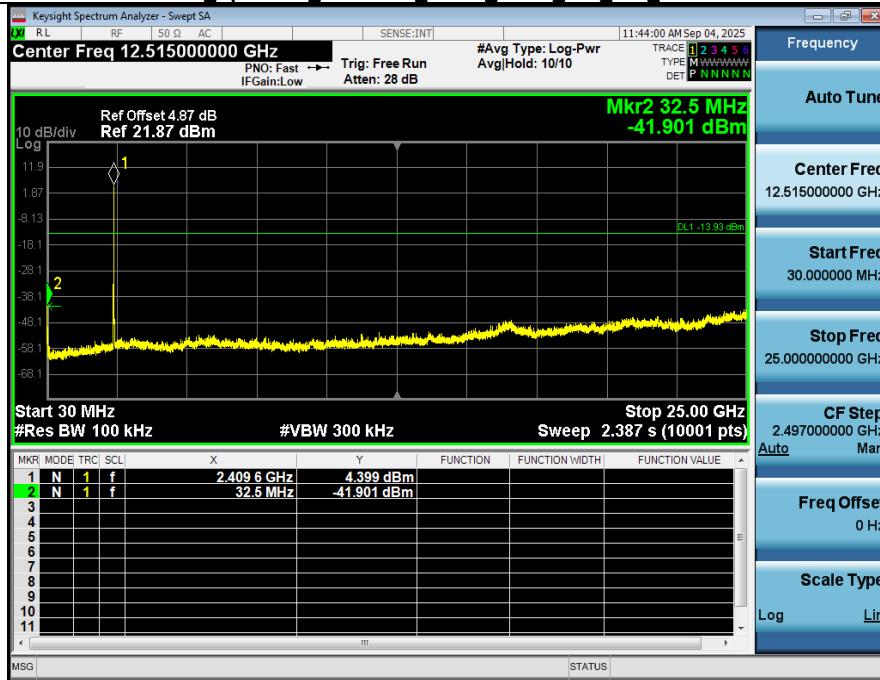


7. Spurious Emission

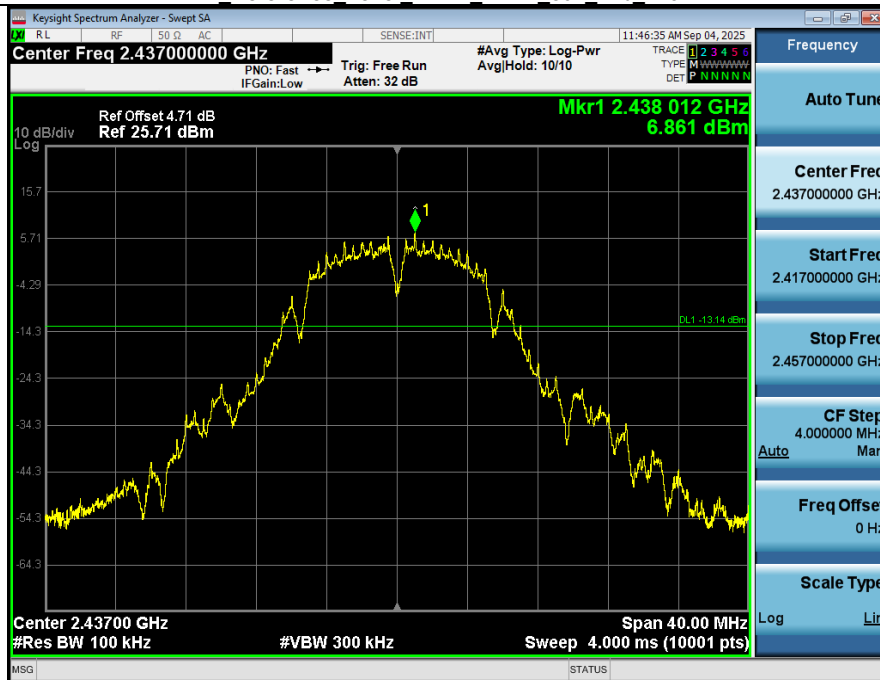
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	32.497	6.073	-41.901	-13.927	Pass
NVNT	ANT1	802.11b	2437.00	911.441	6.861	-33.155	-13.139	Pass
NVNT	ANT1	802.11b	2462.00	24960.048	6.869	-42.536	-13.131	Pass
NVNT	ANT1	802.11g	2412.00	24820.216	1.883	-43.127	-18.117	Pass
NVNT	ANT1	802.11g	2437.00	24935.078	3.174	-46.745	-16.826	Pass
NVNT	ANT1	802.11g	2462.00	32.497	2.282	-43.861	-17.718	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24975.030	1.659	-42.425	-18.341	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	911.441	1.674	-32.789	-18.326	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	32.497	2.134	-42.807	-17.866	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	32.497	-0.534	-42.811	-20.534	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	32.497	-0.011	-43.493	-20.011	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	24910.108	-1.029	-51.499	-21.029	Pass



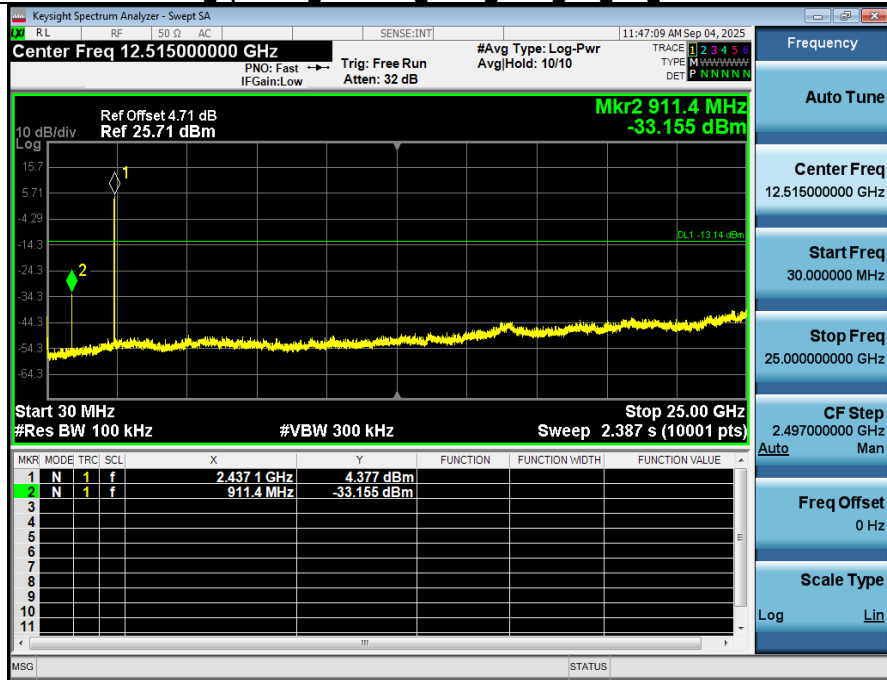
2 Spurious Emission NVNT ANT1 802 11b 2412



1 Reference Level NVNT ANT1 802 11b 2437



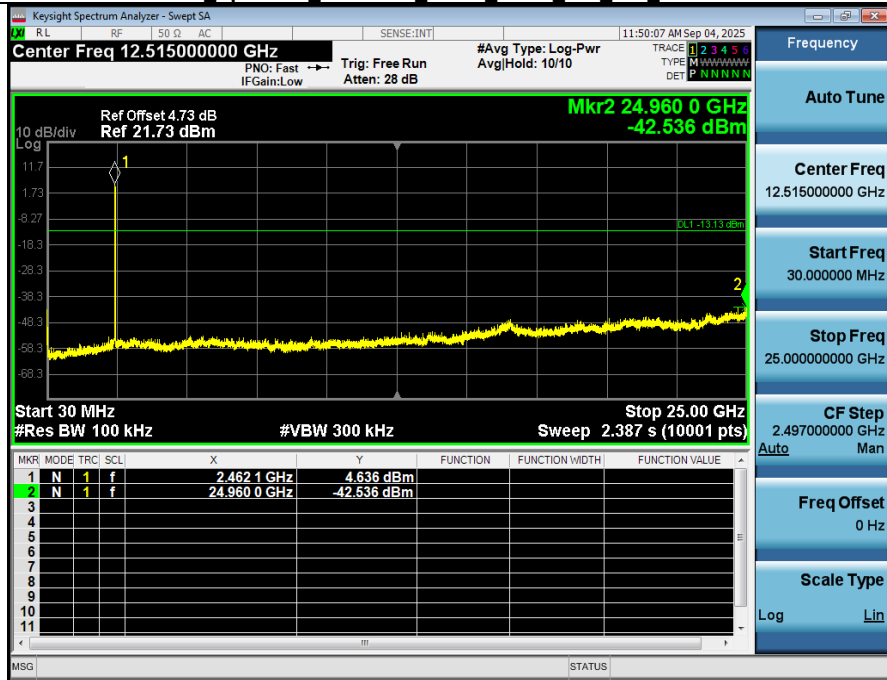
2 Spurious Emission NVNT ANT1 802 11b 2437



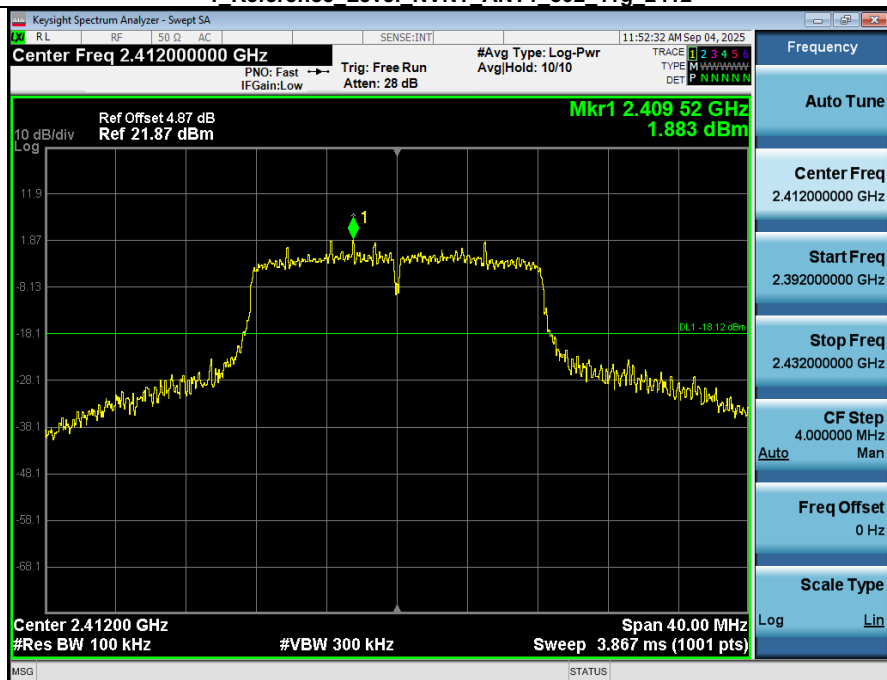
1 Reference Level NVNT ANT1 802 11b 2462



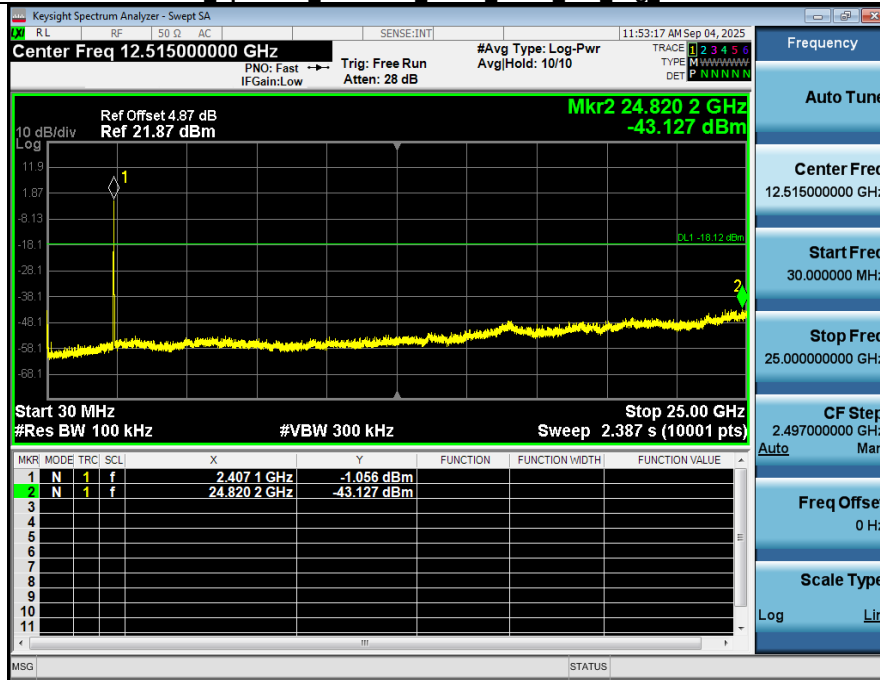
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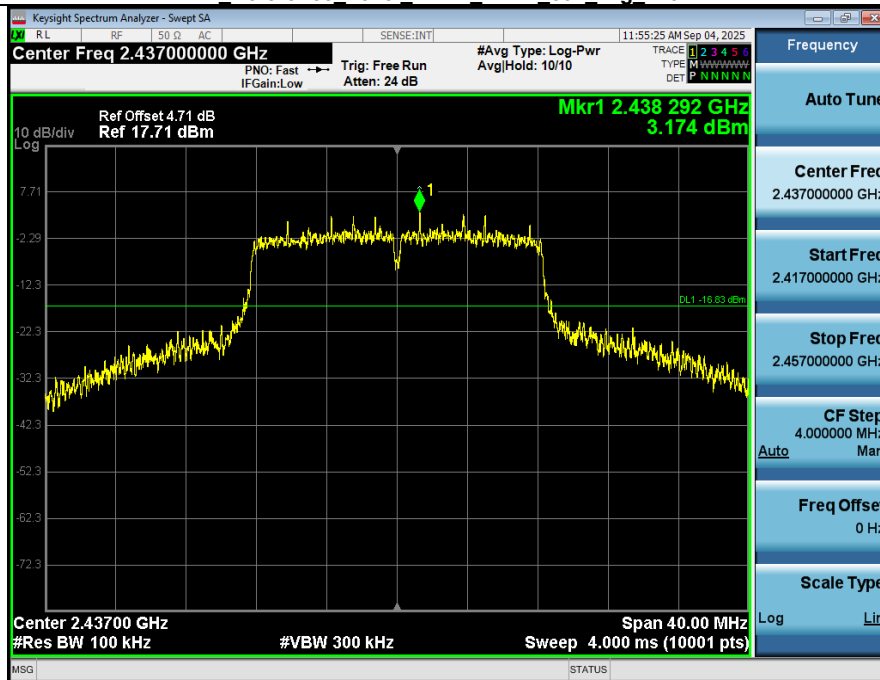
1 Reference Level NVNT ANT1 802 11g 2412



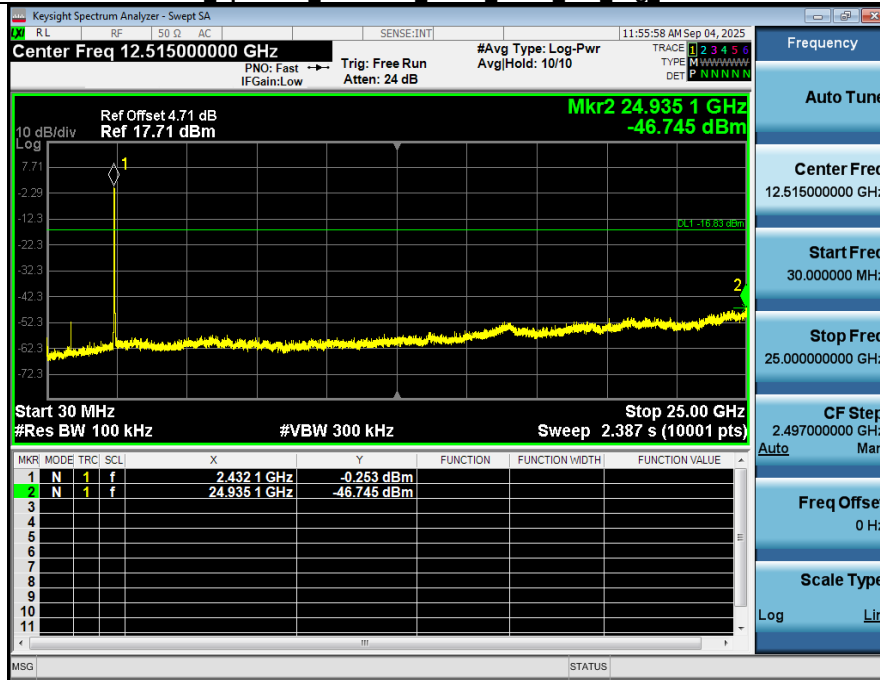
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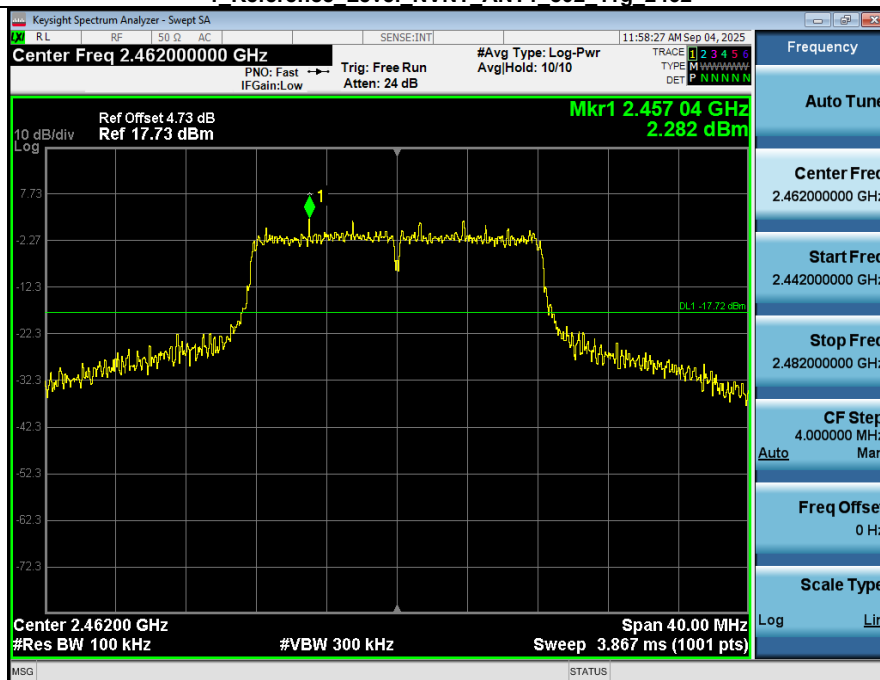
1 Reference Level NVNT ANT1 802 11g 2437



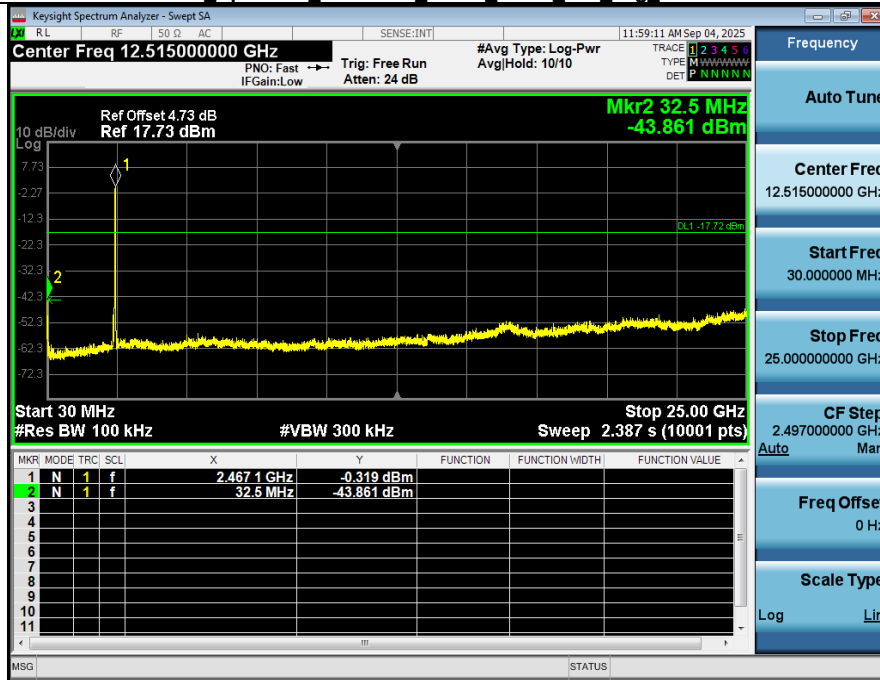
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1 Reference Level NVNT ANT1 802 11g 2462



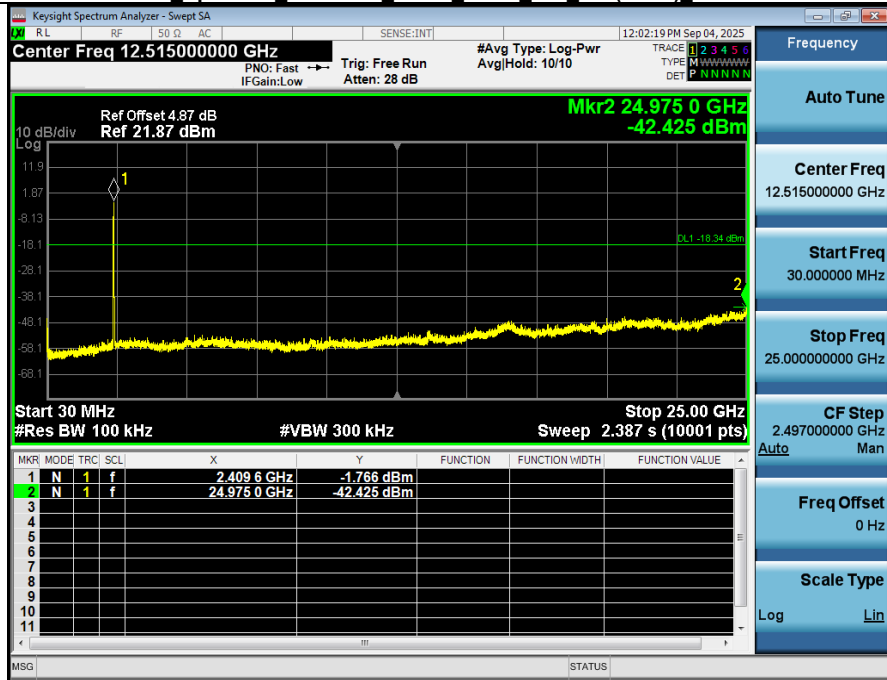
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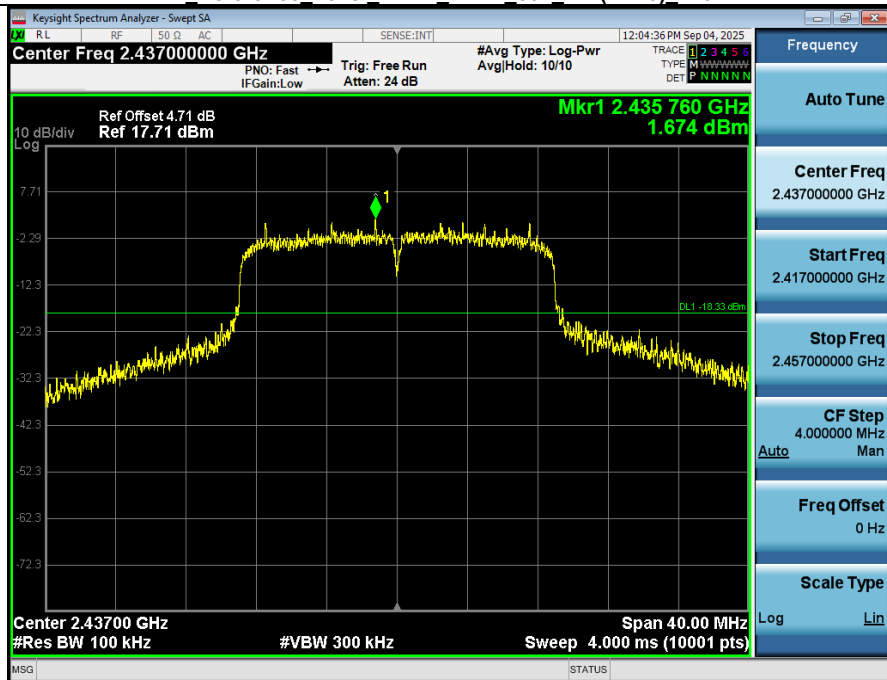
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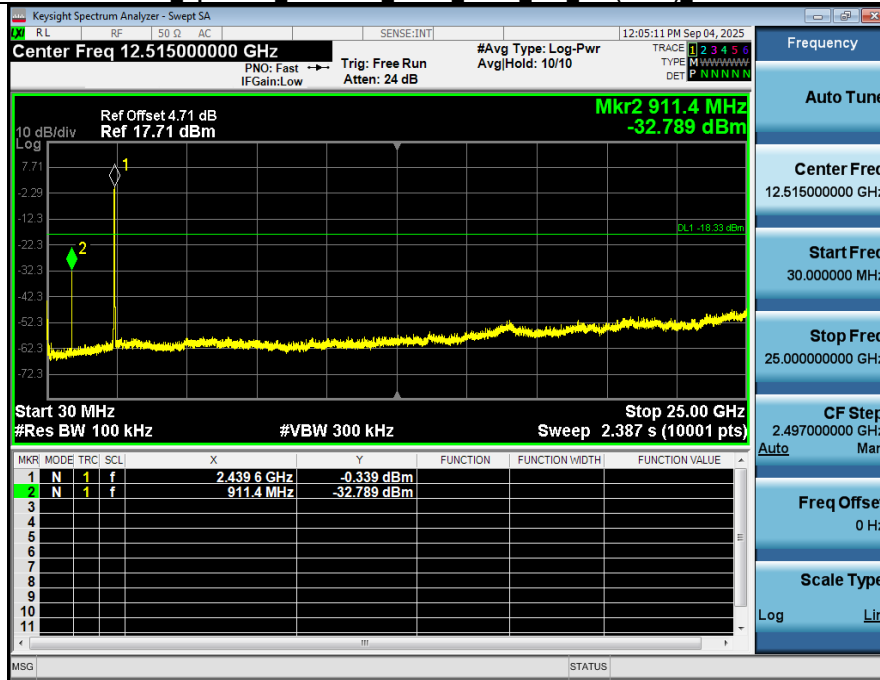
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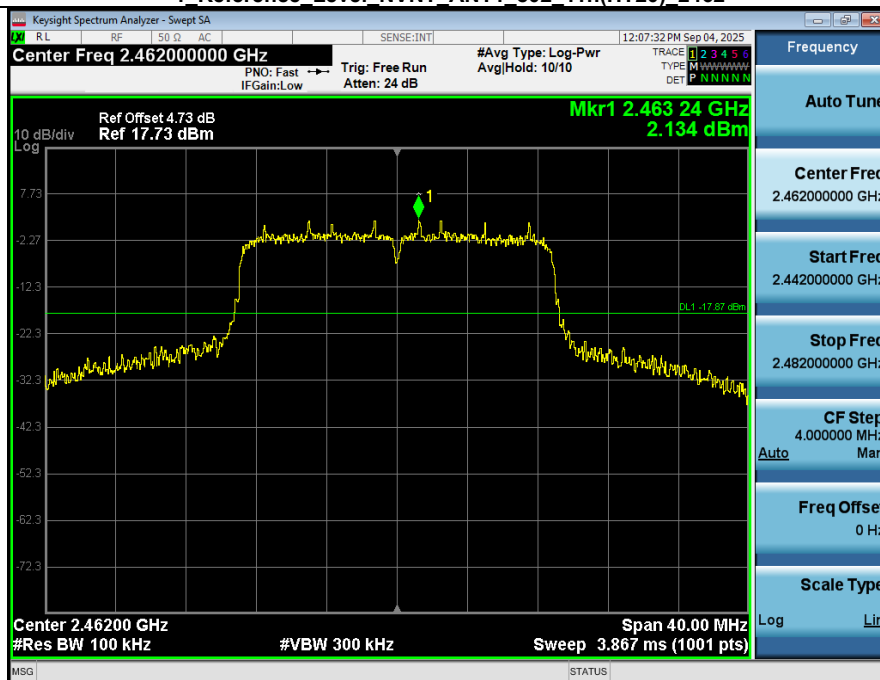
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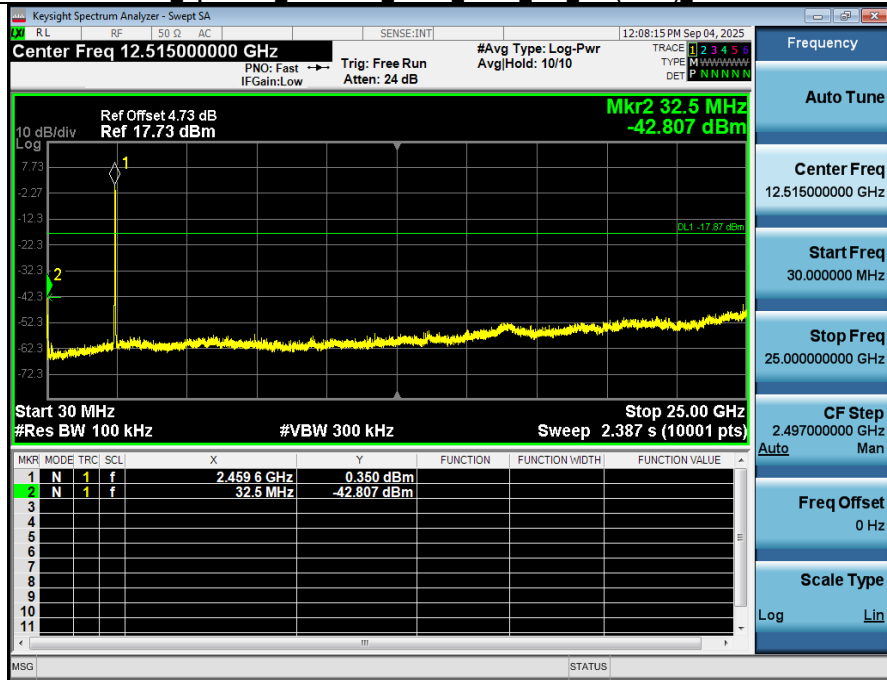
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1 Reference Level NVNT ANT1_802_11n(HT20) 2462



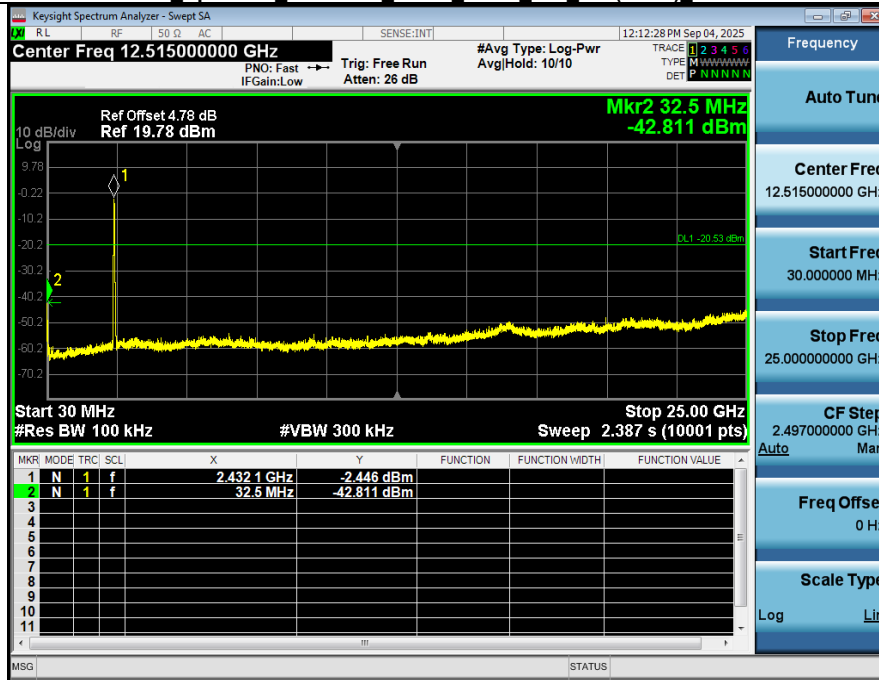
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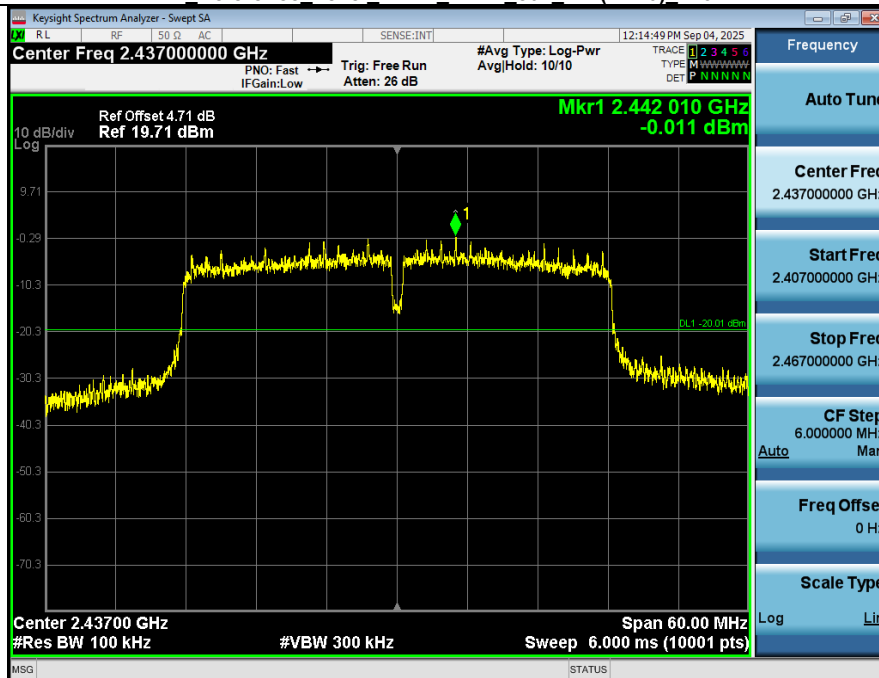
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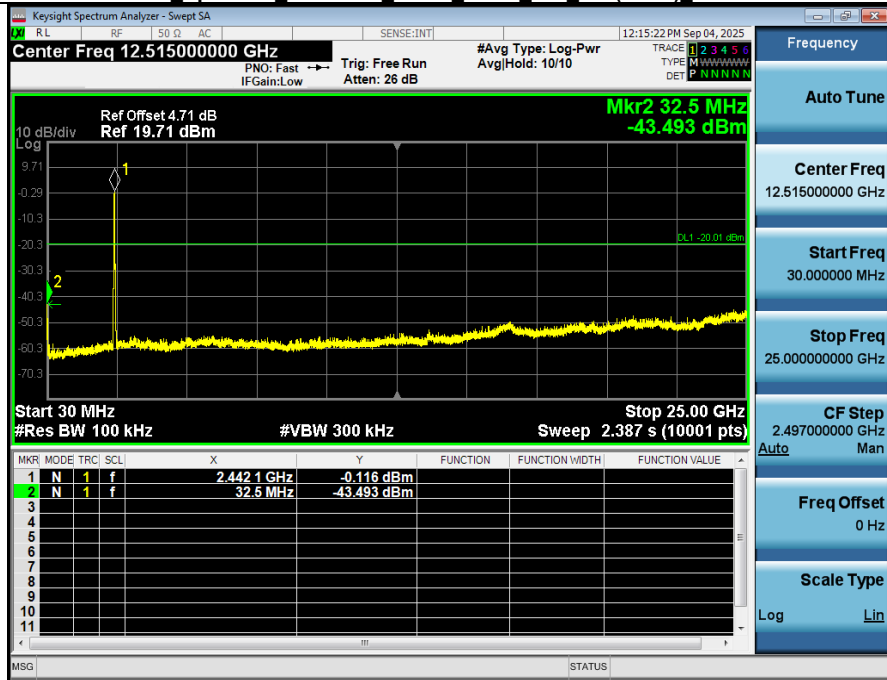
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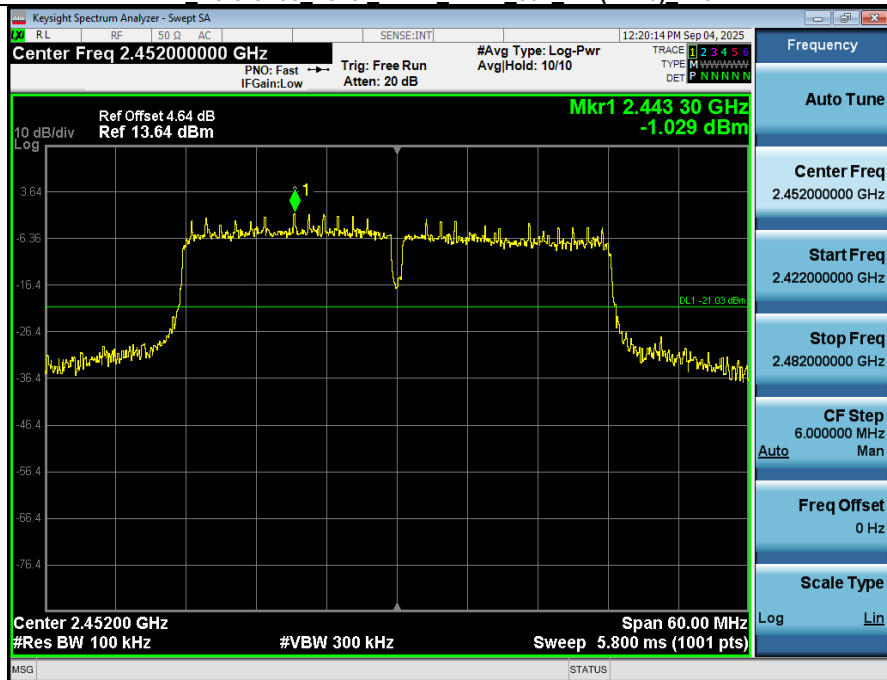
1 Reference Level NVNT ANT1_802_11n(HT40) 2437



2 Spurious Emission NVNT_ANT1_802_11n(HT40) 2437



1 Reference Level NVNT_ANT1_802_11n(HT40) 2452



2 Spurious Emission NVNT ANT1_802_11n(HT40) 2452

