

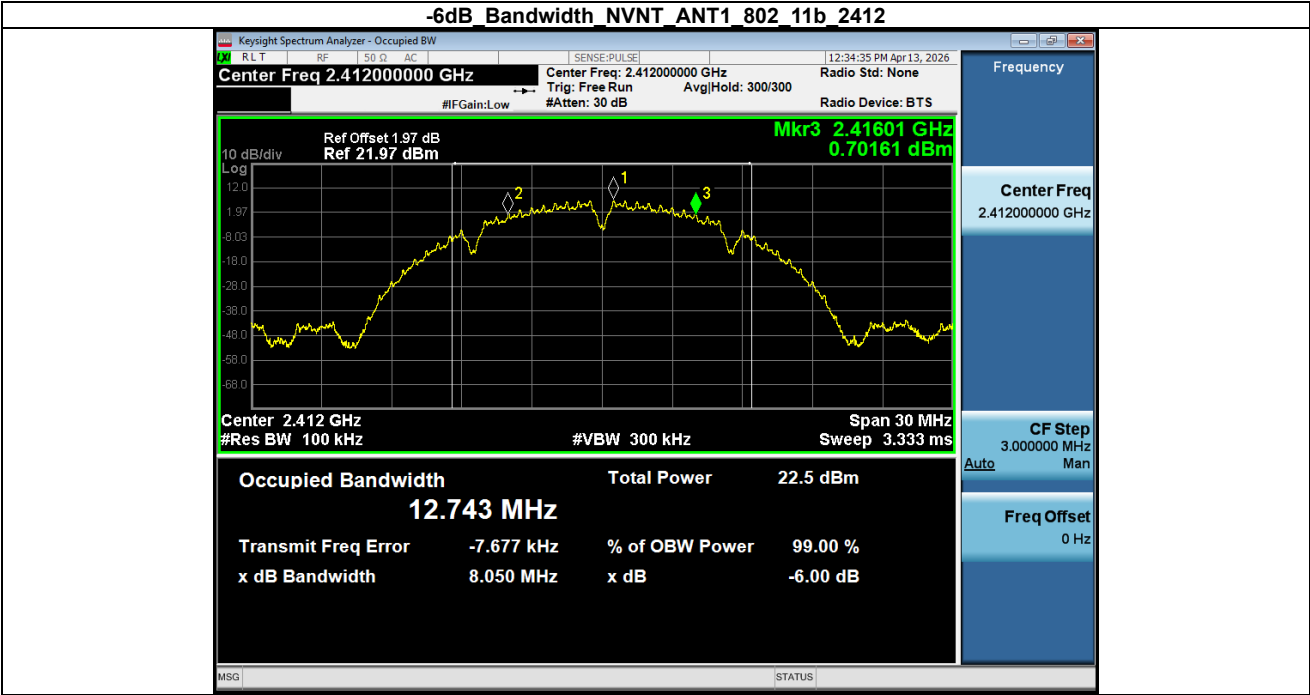
FCC_2.4G_WIFI (Part15.247) Test Data
Report No.: NCT26015433E1-1
FCC ID: 2BVOO-AI07

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1. -6dB Bandwidth

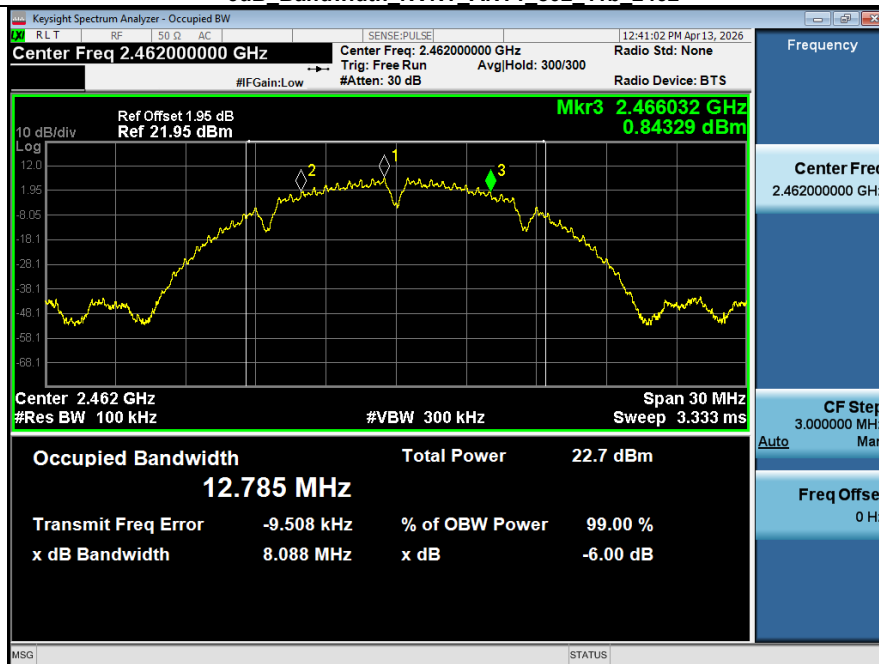
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	8.05	500	Pass
NVNT	ANT1	802.11b	2437.00	8.087	500	Pass
NVNT	ANT1	802.11b	2462.00	8.088	500	Pass
NVNT	ANT1	802.11g	2412.00	15.07	500	Pass
NVNT	ANT1	802.11g	2437.00	15.14	500	Pass
NVNT	ANT1	802.11g	2462.00	15.78	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	15.10	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	15.03	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	16.13	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	35.11	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	35.11	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	35.11	500	Pass



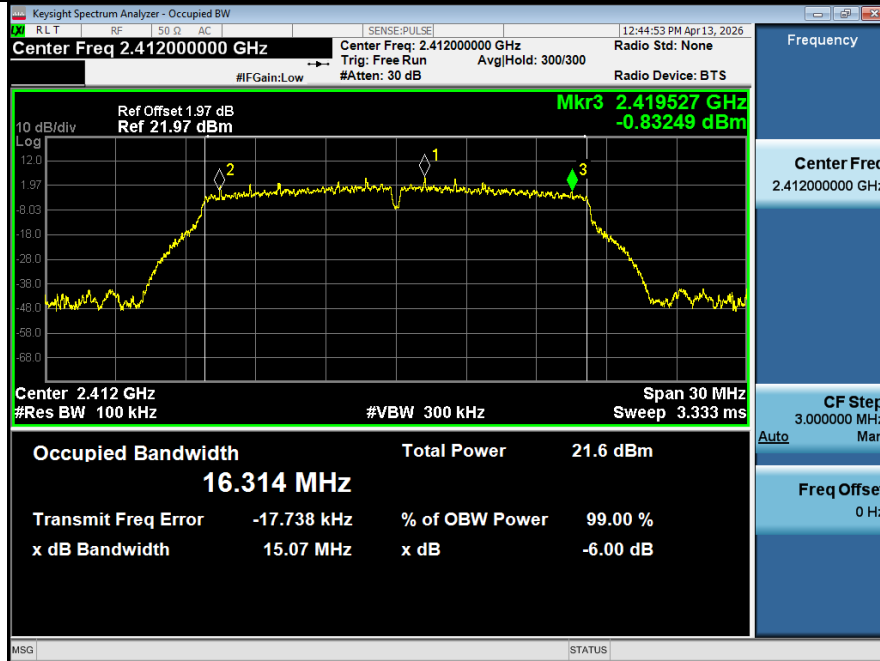
-6dB Bandwidth NVNT ANT1 802 11b 2437



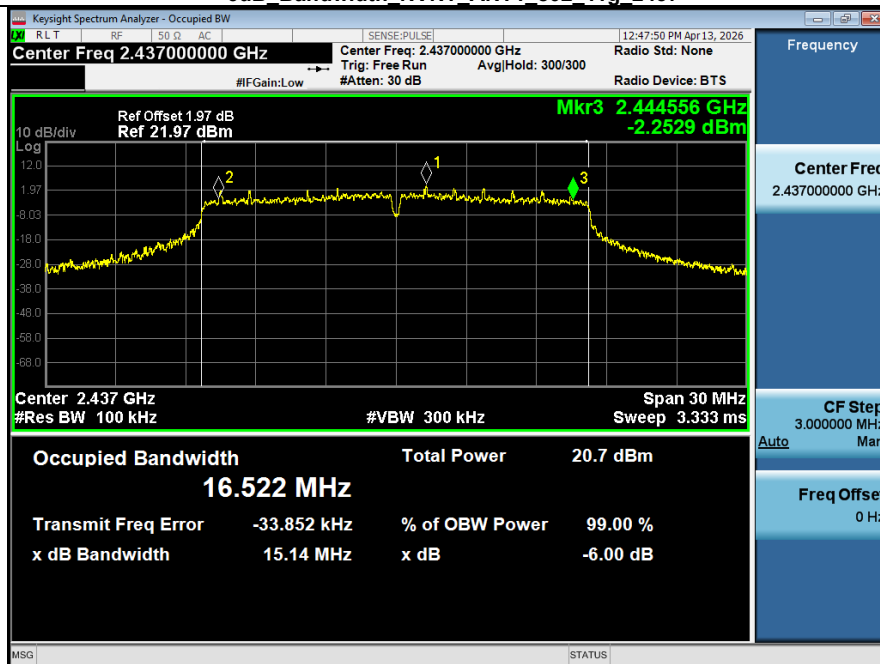
-6dB Bandwidth NVNT ANT1 802 11b 2462



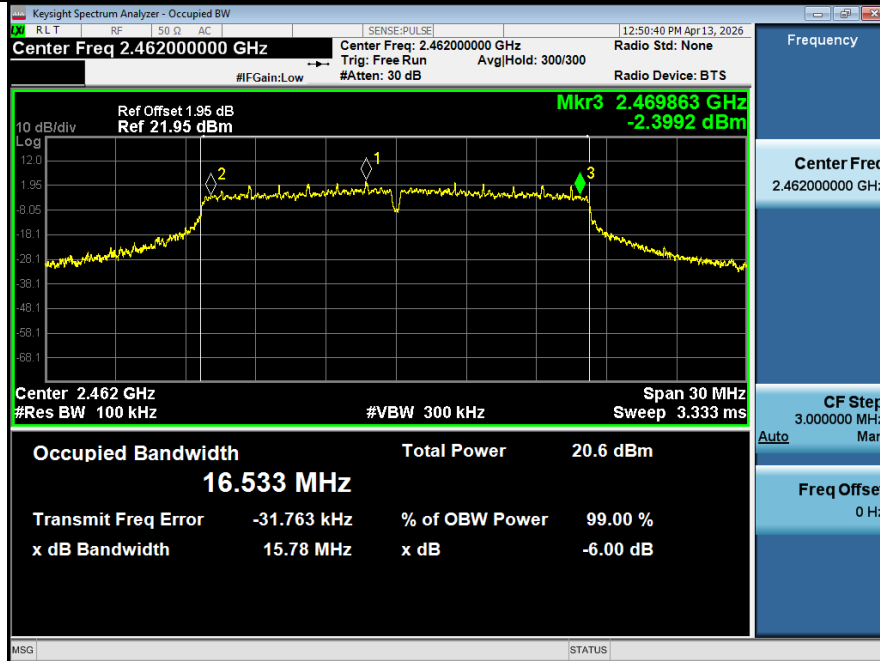
-6dB Bandwidth NVNT ANT1 802 11g 2412



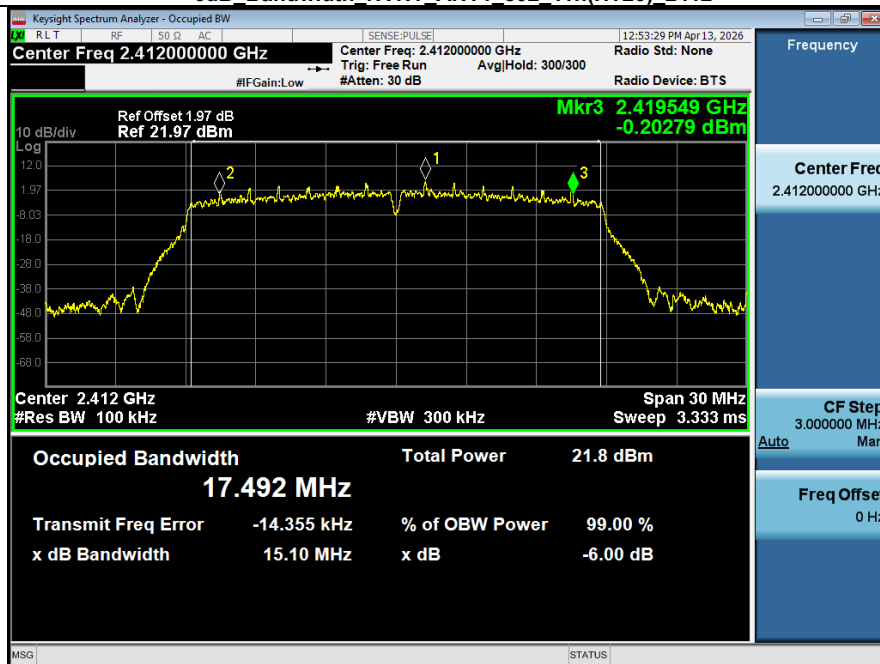
-6dB Bandwidth NVNT ANT1 802 11g 2437



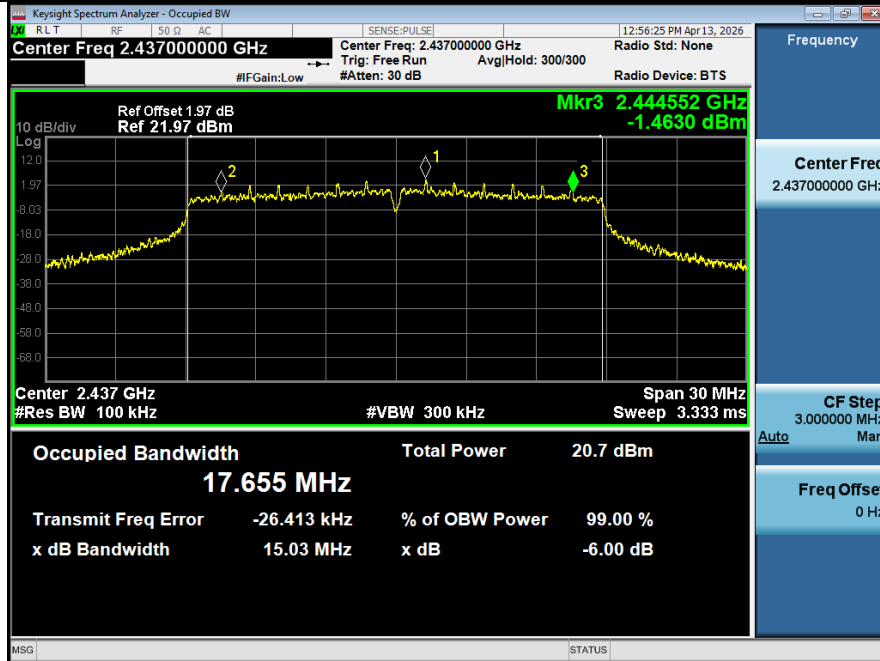
-6dB Bandwidth NVNT ANT1 802 11g 2462



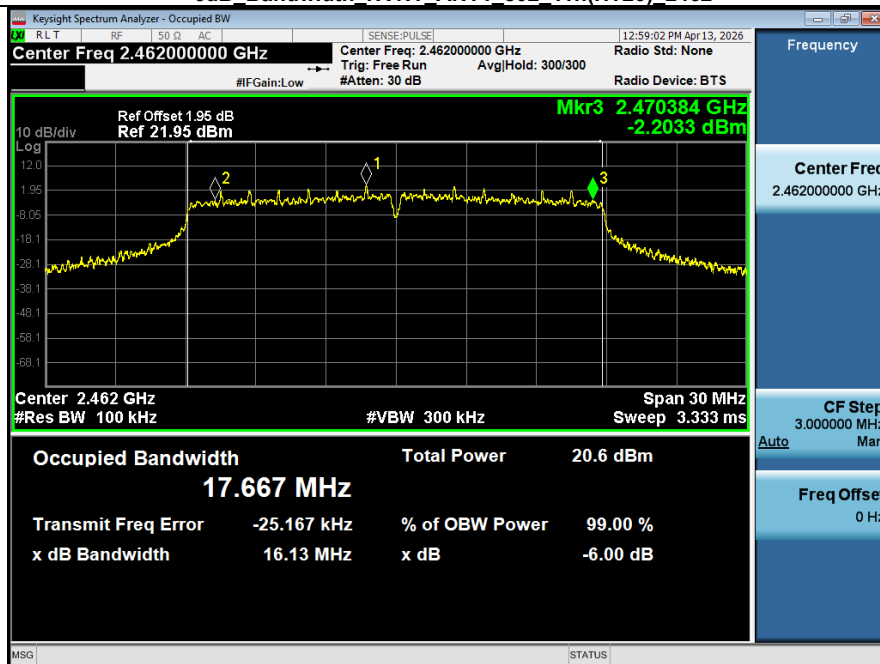
-6dB Bandwidth NVNT ANT1 802 11n(HT20) 2412



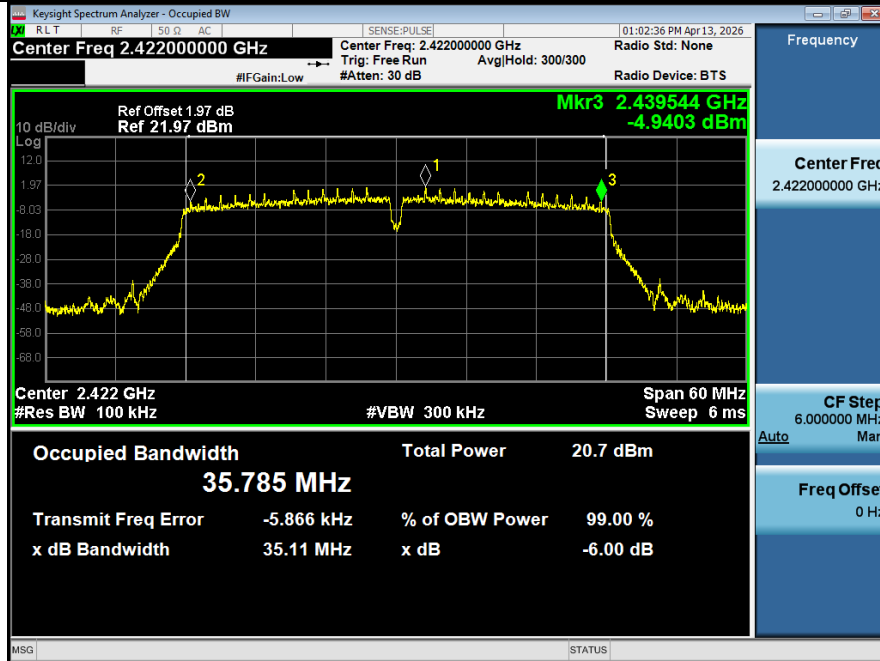
-6dB Bandwidth NVNT ANT1 802 11n(HT20) 2437



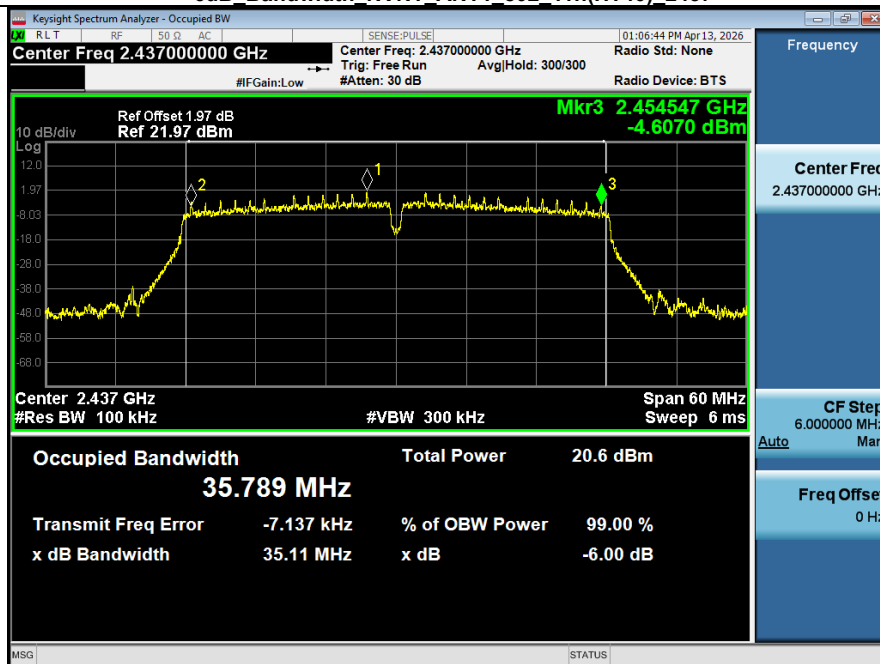
-6dB Bandwidth NVNT ANT1 802 11n(HT20) 2462

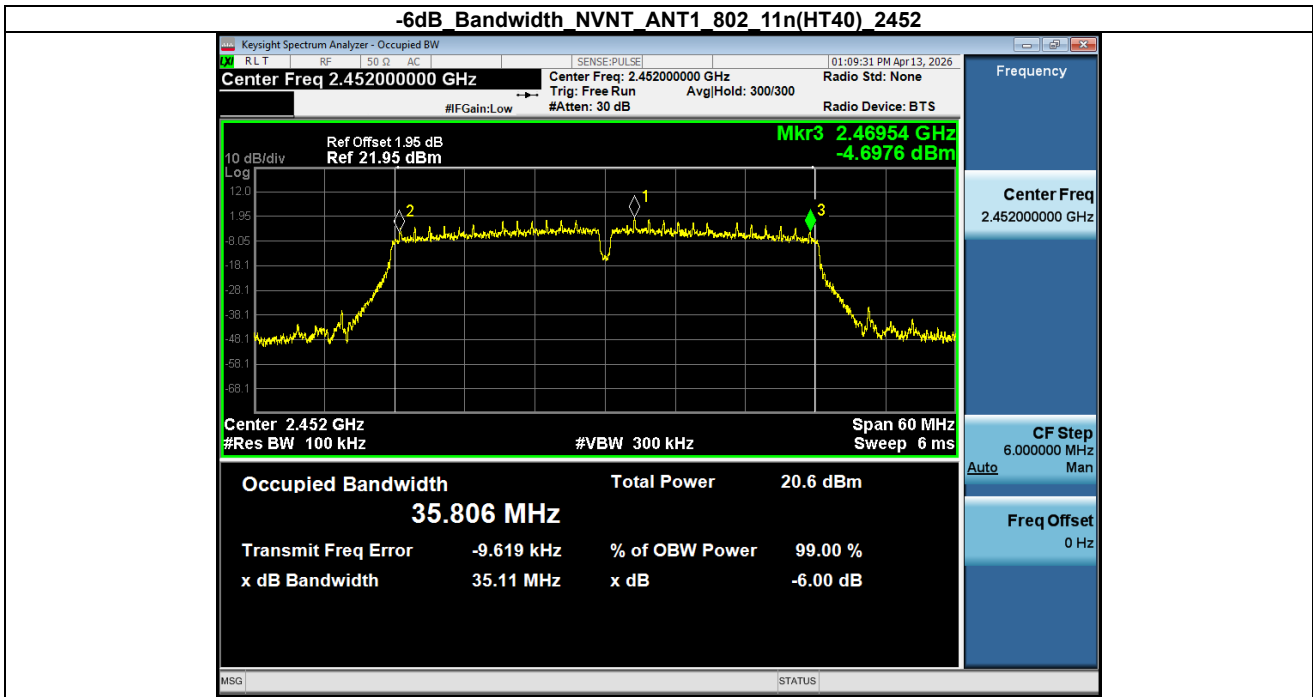


-6dB Bandwidth NVNT ANT1 802 11n(HT40) 2422



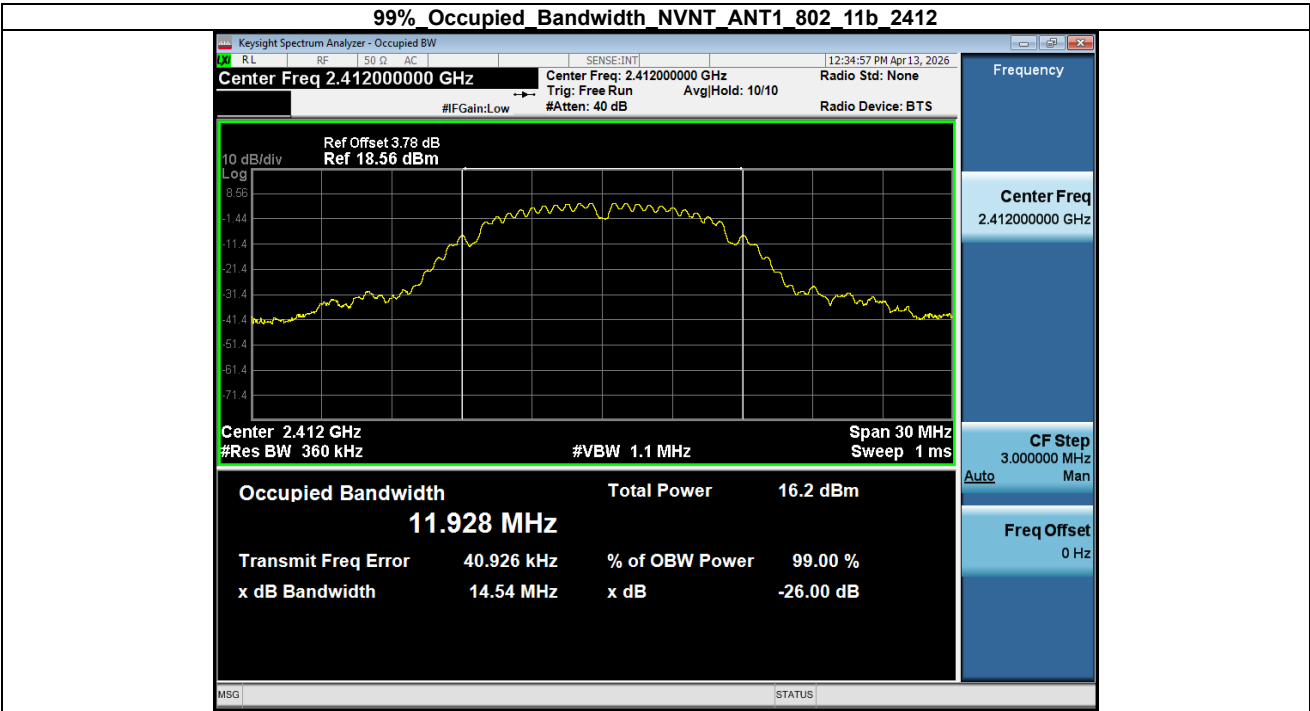
-6dB Bandwidth NVNT ANT1 802 11n(HT40) 2437



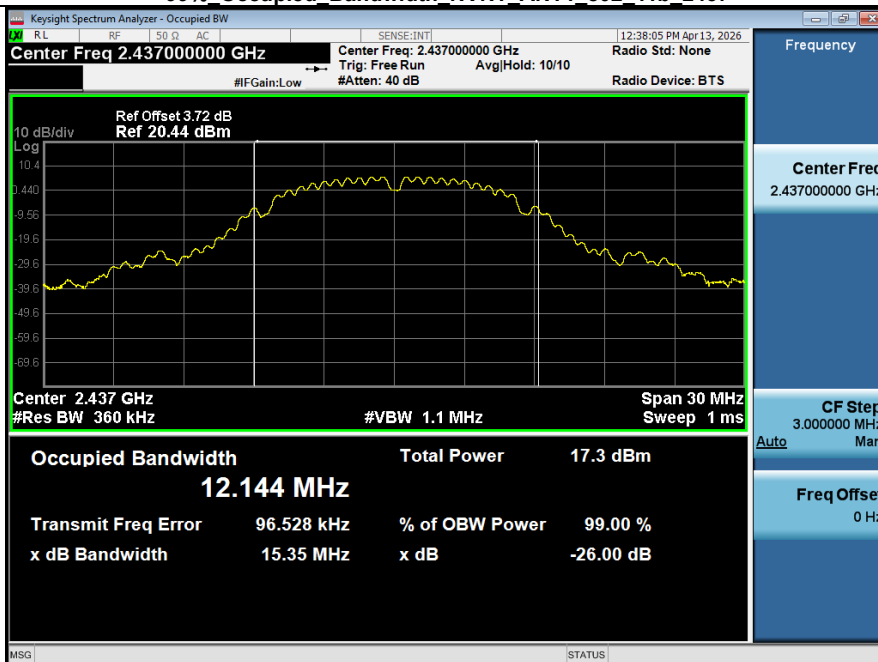


2. 99% Occupied Bandwidth

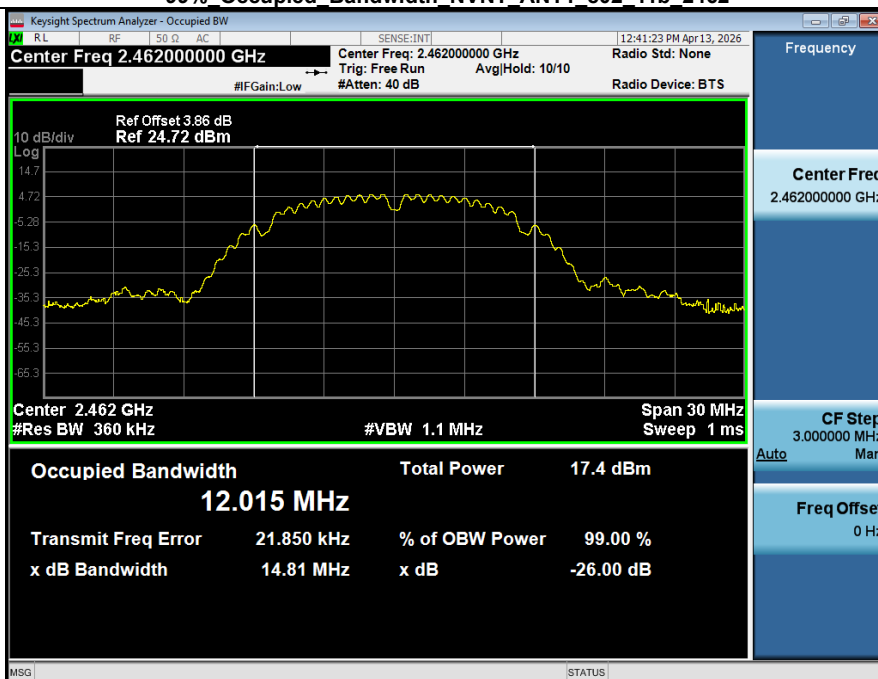
Condition	Antenna	Modulation	Frequency (MHz)	99%%BW(MHz)
NVNT	ANT1	802.11b	2412.00	11.928
NVNT	ANT1	802.11b	2437.00	12.144
NVNT	ANT1	802.11b	2462.00	12.015
NVNT	ANT1	802.11g	2412.00	17.207
NVNT	ANT1	802.11g	2437.00	18.320
NVNT	ANT1	802.11g	2462.00	17.645
NVNT	ANT1	802.11n(HT20)	2412.00	17.842
NVNT	ANT1	802.11n(HT20)	2437.00	18.094
NVNT	ANT1	802.11n(HT20)	2462.00	18.012
NVNT	ANT1	802.11n(HT40)	2422.00	36.869
NVNT	ANT1	802.11n(HT40)	2437.00	36.283
NVNT	ANT1	802.11n(HT40)	2452.00	36.579



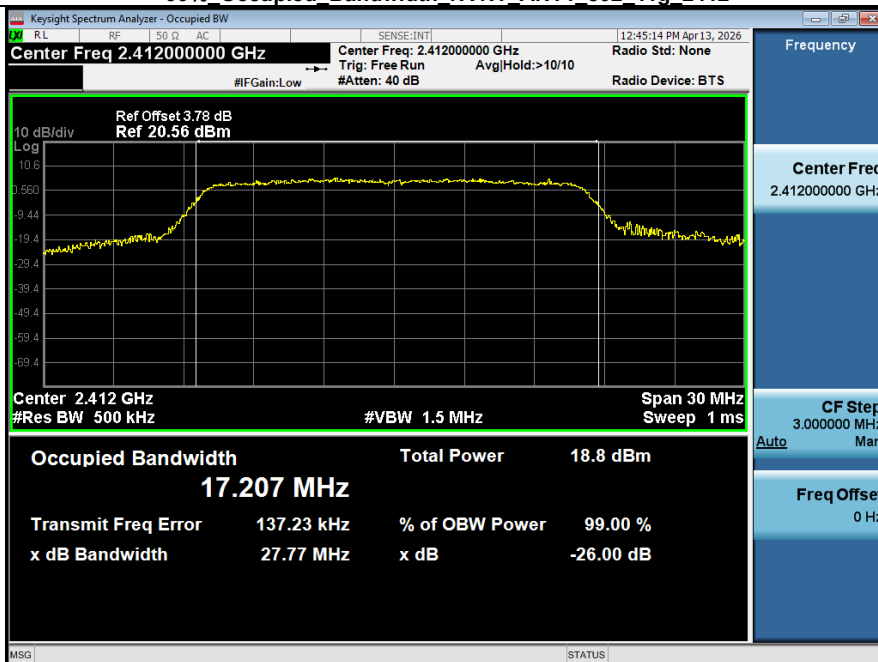
99% Occupied Bandwidth NVNT ANT1 802 11b 2437



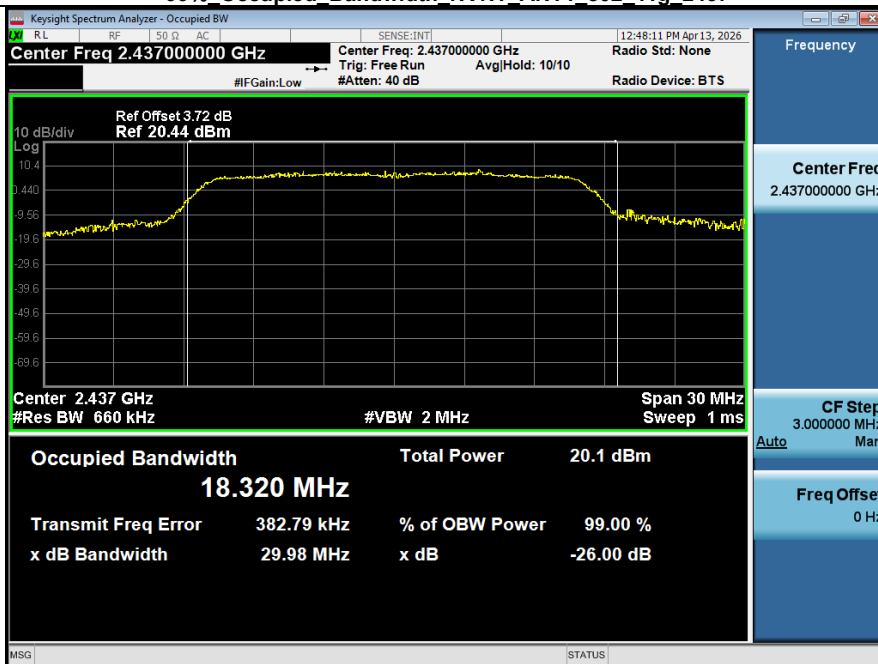
99% Occupied Bandwidth NVNT ANT1 802 11b 2462



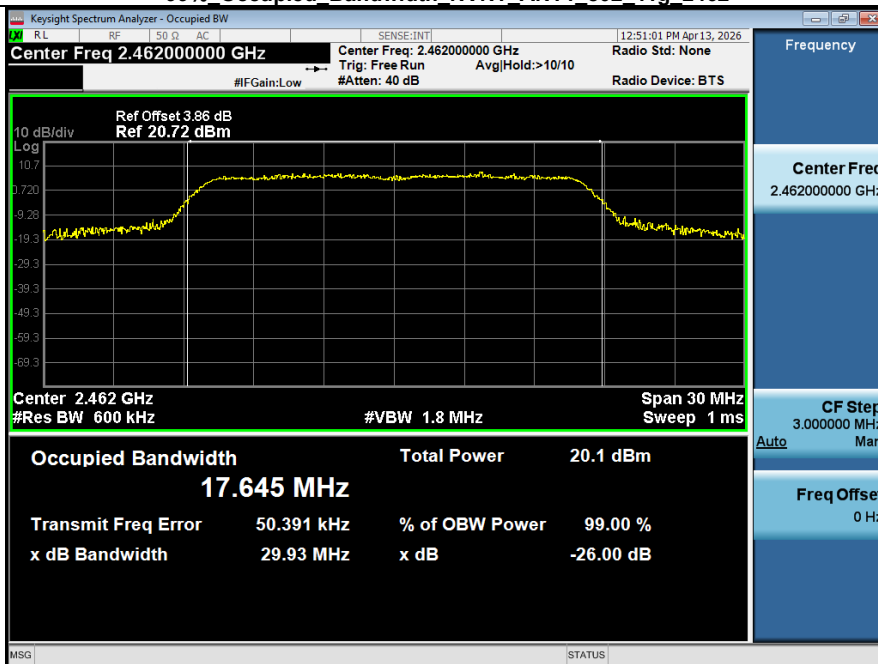
99% Occupied Bandwidth NVNT ANT1 802 11g 2412



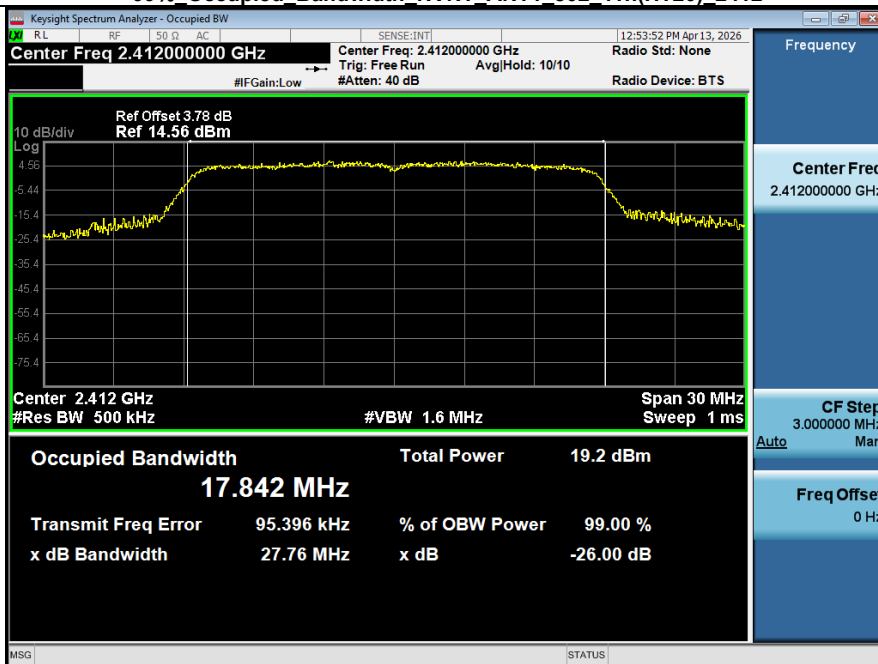
99% Occupied Bandwidth NVNT ANT1 802 11g 2437

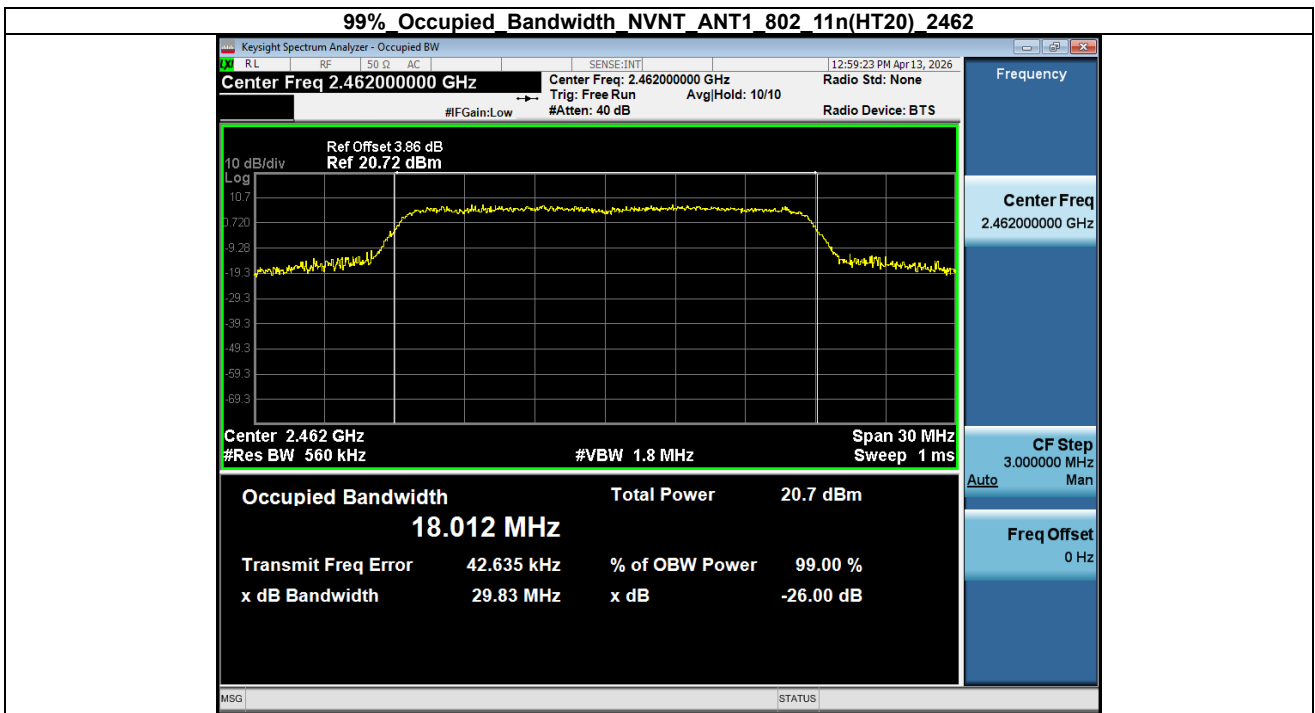
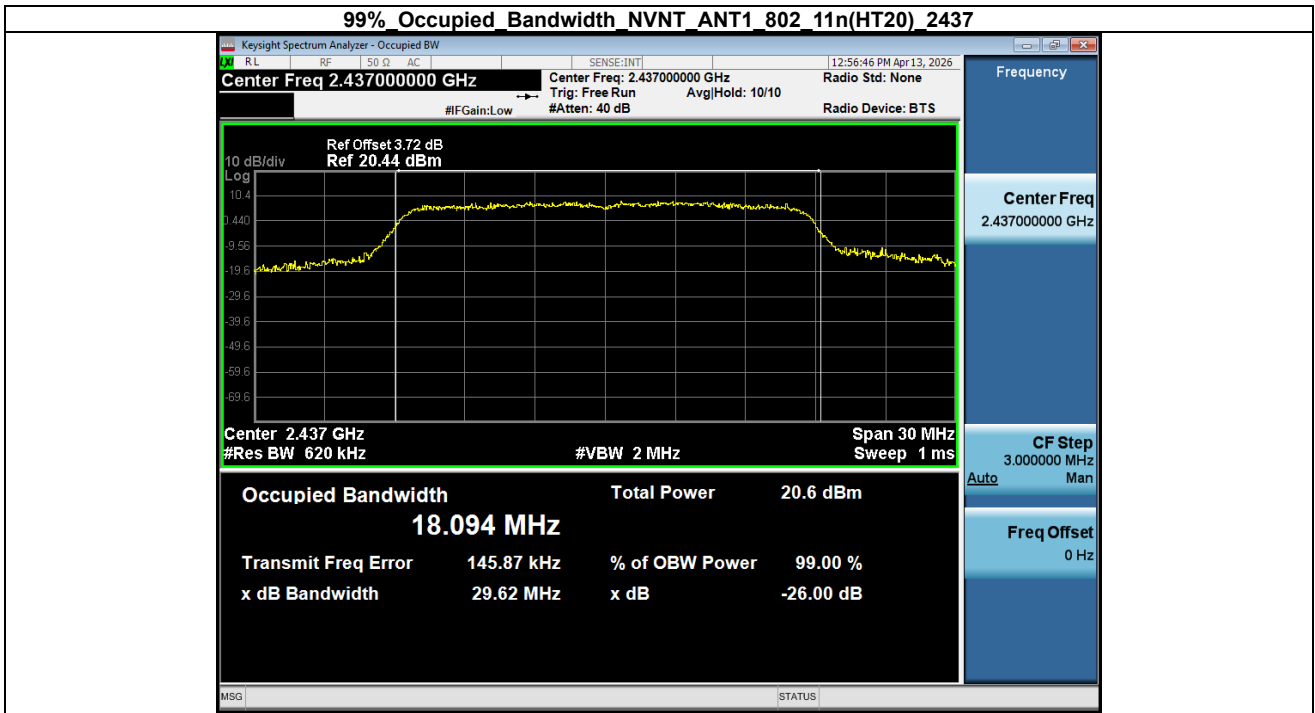


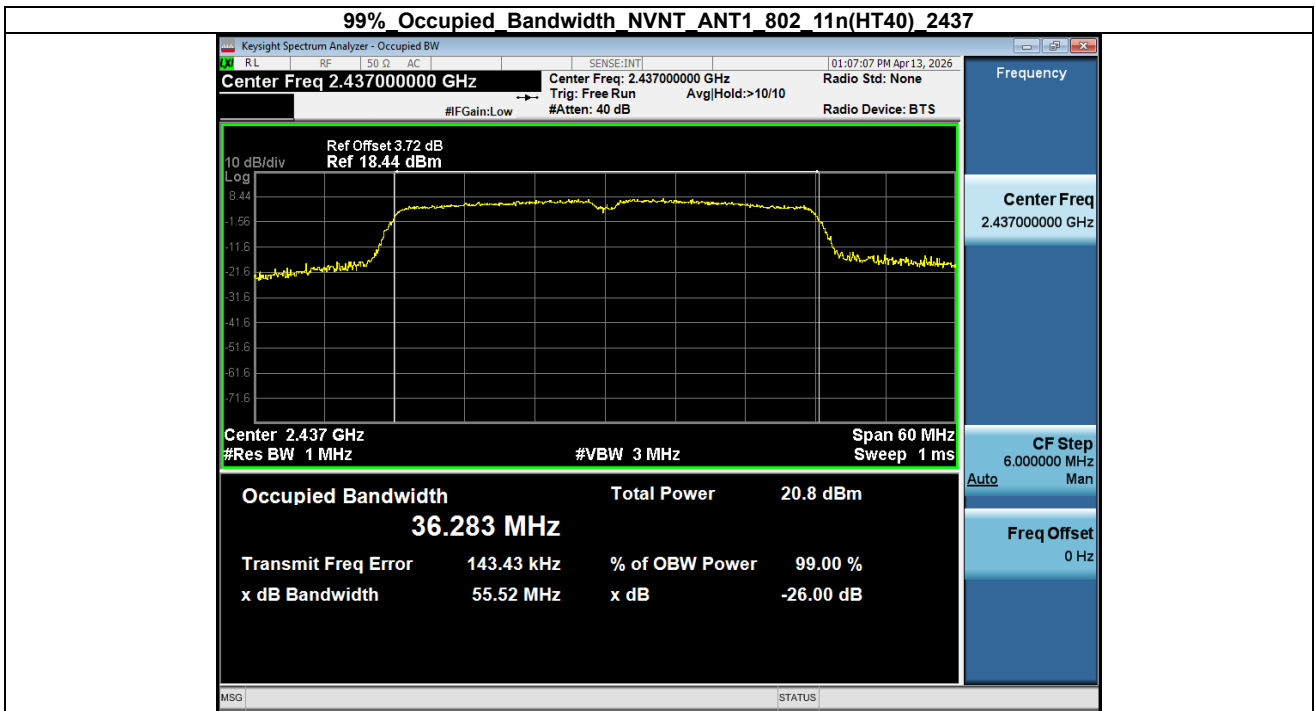
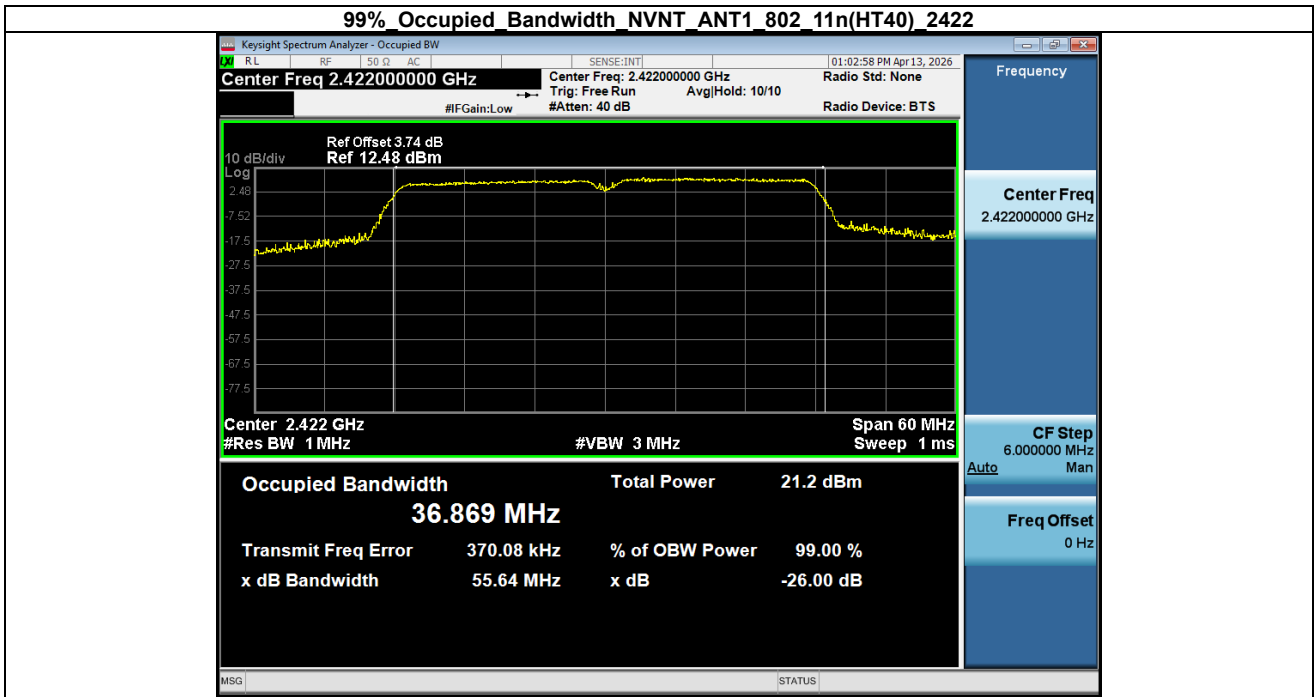
99% Occupied Bandwidth NVNT ANT1 802 11g 2462

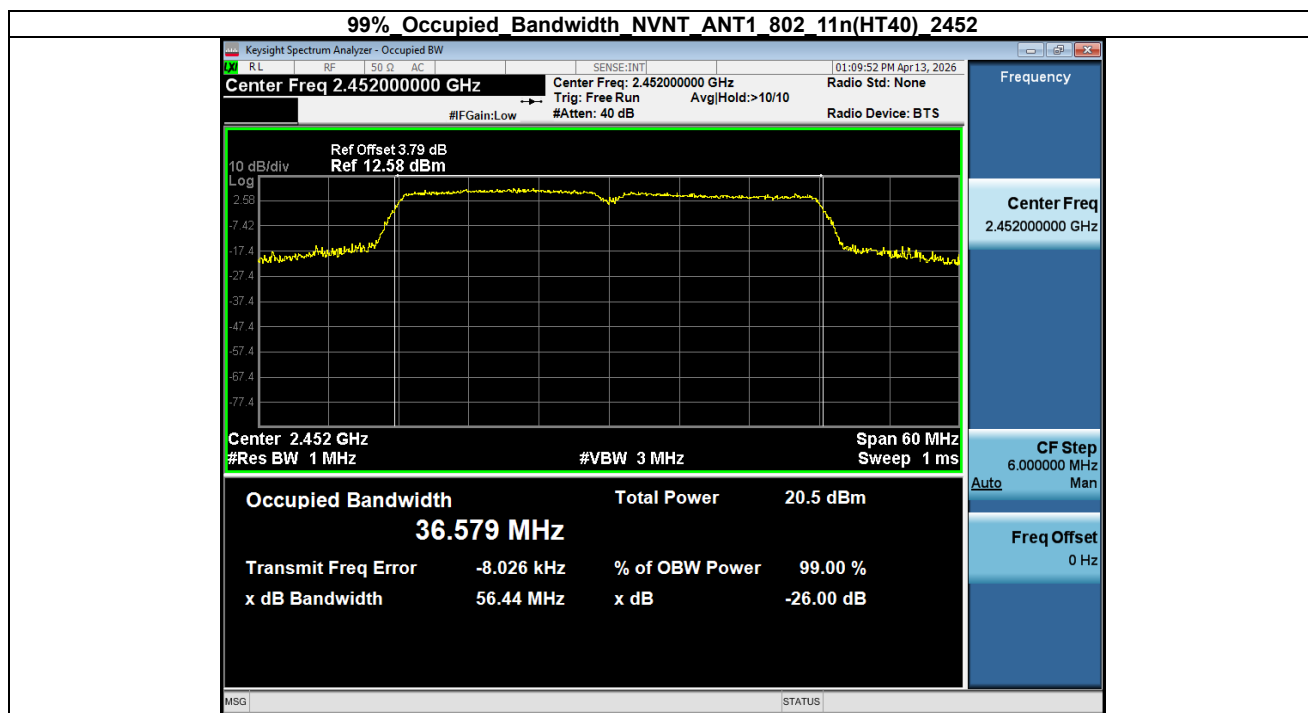


99% Occupied Bandwidth NVNT ANT1 802 11n(HT20) 2412



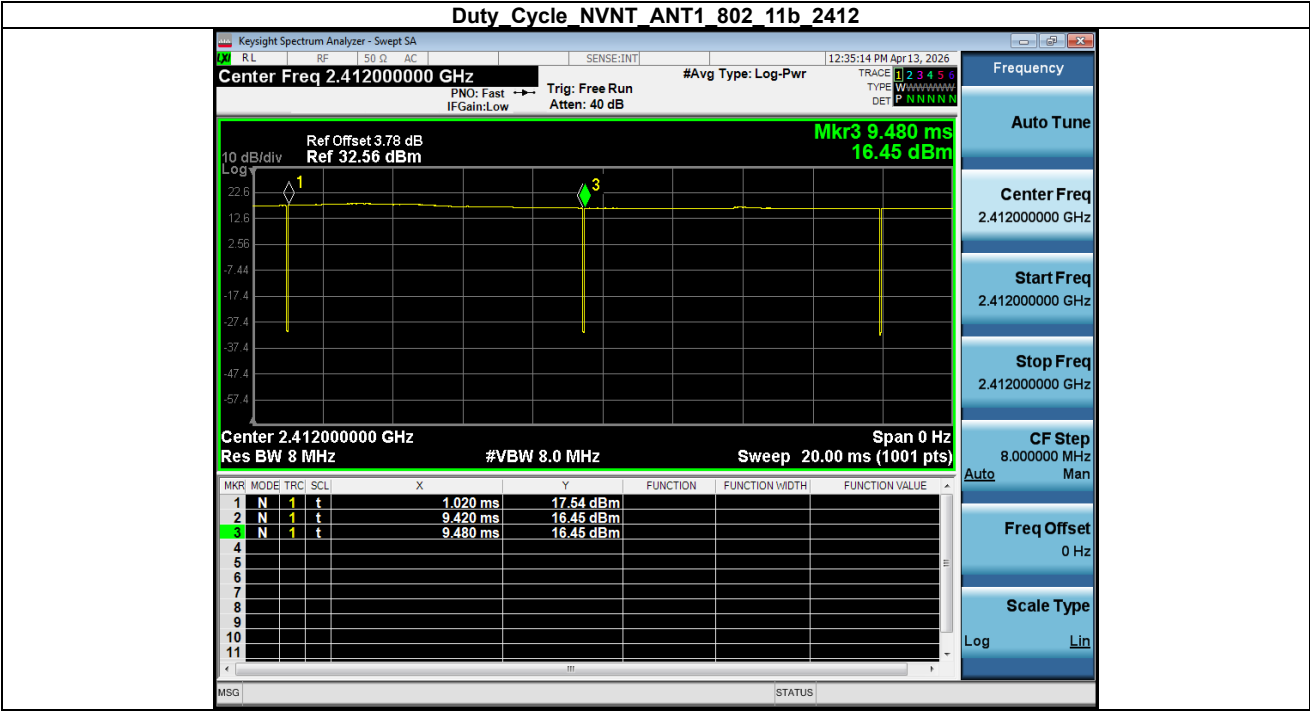




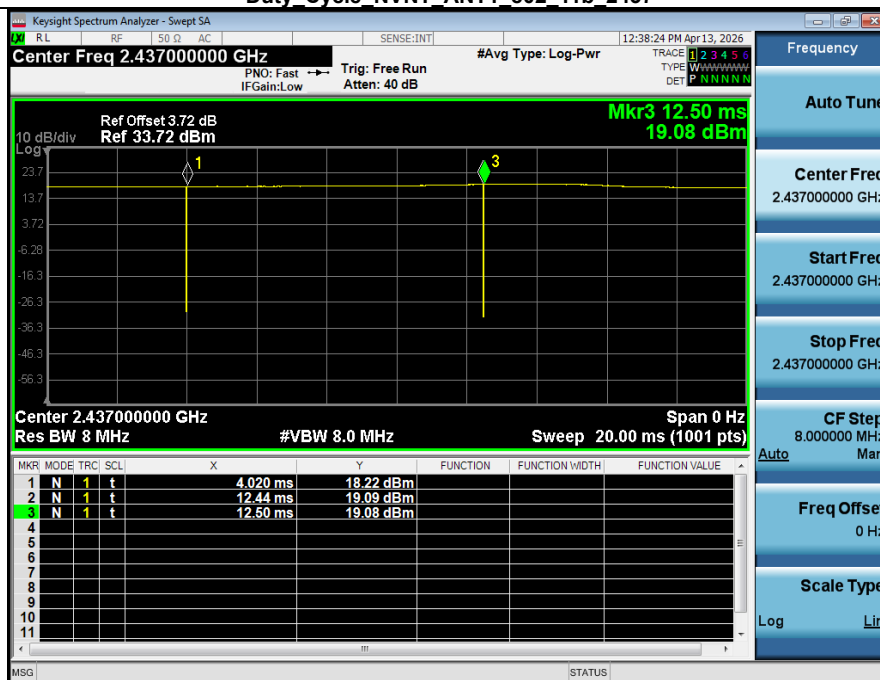


3. Duty Cycle

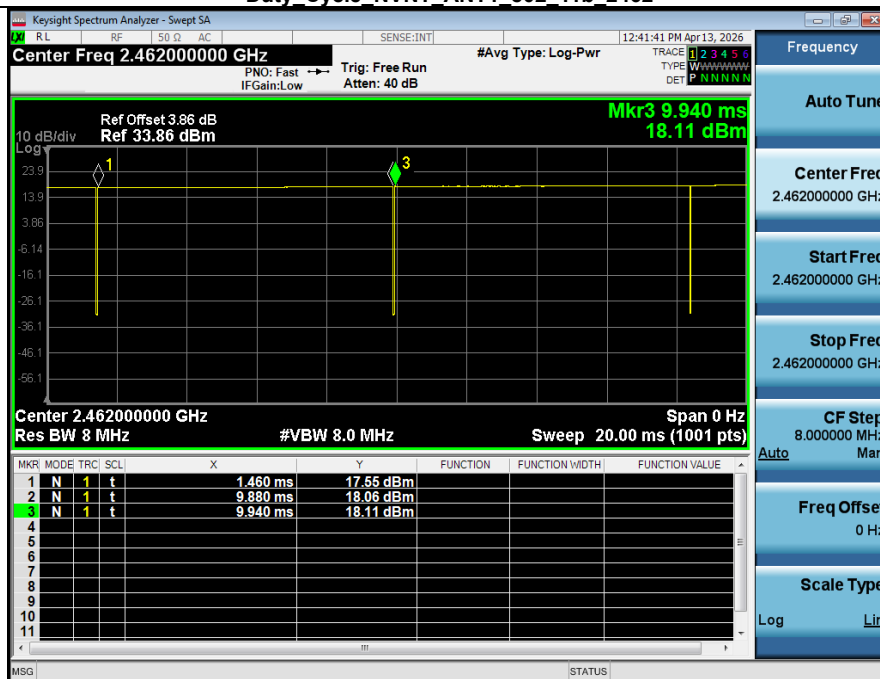
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	99.53	0.00
NVNT	ANT1	802.11b	2437.00	99.53	0.00
NVNT	ANT1	802.11b	2462.00	99.53	0.00
NVNT	ANT1	802.11g	2412.00	97.22	0.12
NVNT	ANT1	802.11g	2437.00	97.22	0.12
NVNT	ANT1	802.11g	2462.00	98.61	0.00
NVNT	ANT1	802.11n(HT20)	2412.00	98.36	0.00
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	96.88	0.14
NVNT	ANT1	802.11n(HT40)	2452.00	96.88	0.14



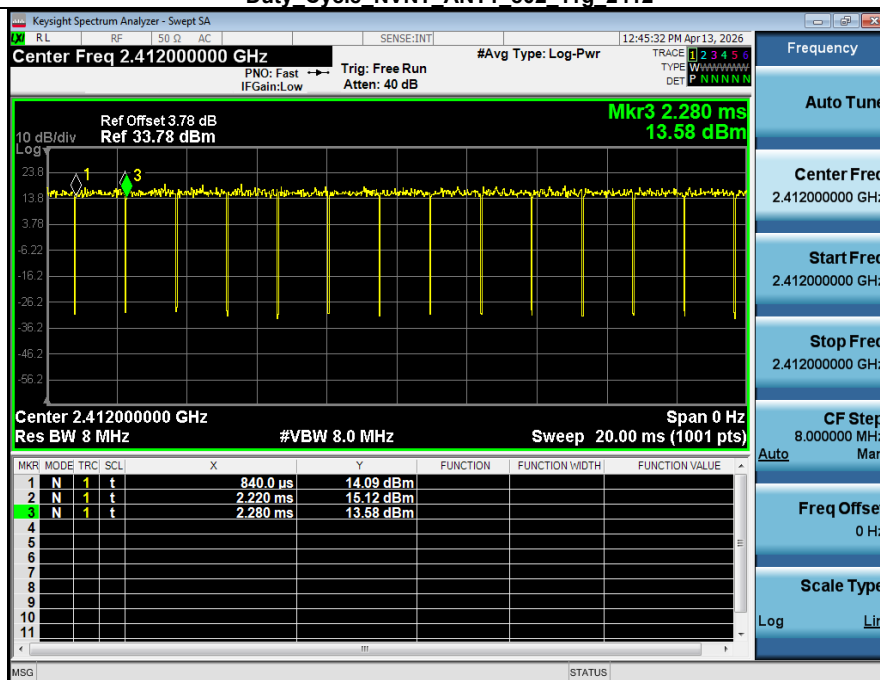
Duty Cycle NVNT ANT1 802 11b 2437



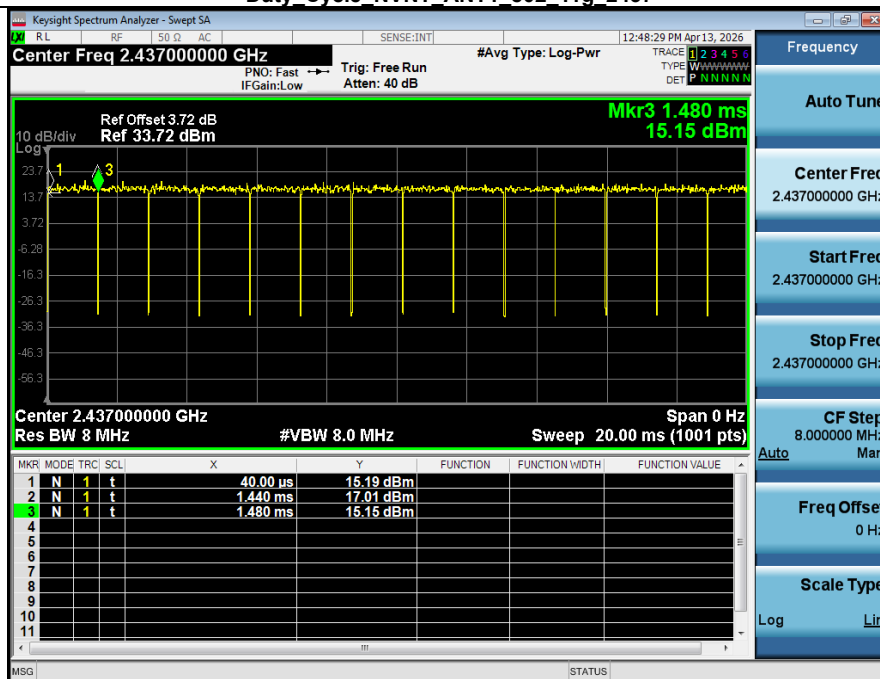
Duty Cycle NVNT ANT1 802 11b 2462



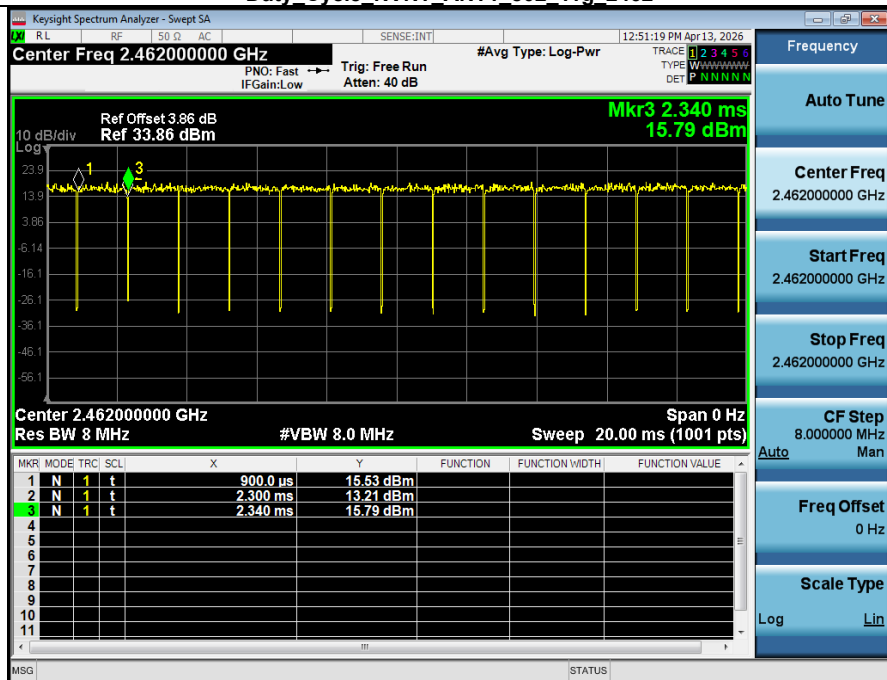
Duty Cycle NVNT ANT1 802 11g 2412



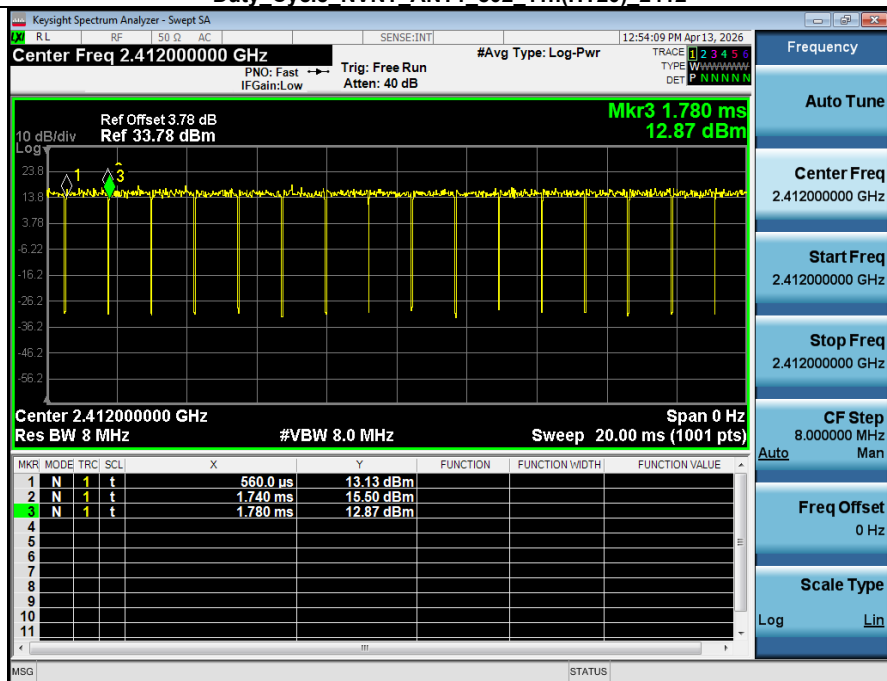
Duty Cycle NVNT ANT1 802 11g 2437



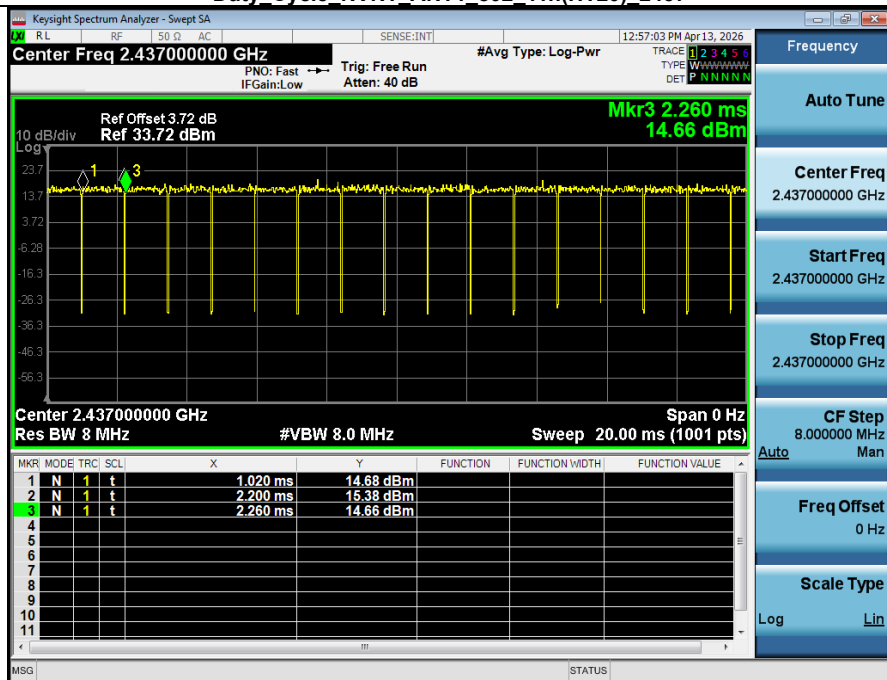
Duty Cycle NVNT ANT1 802_11g_2462



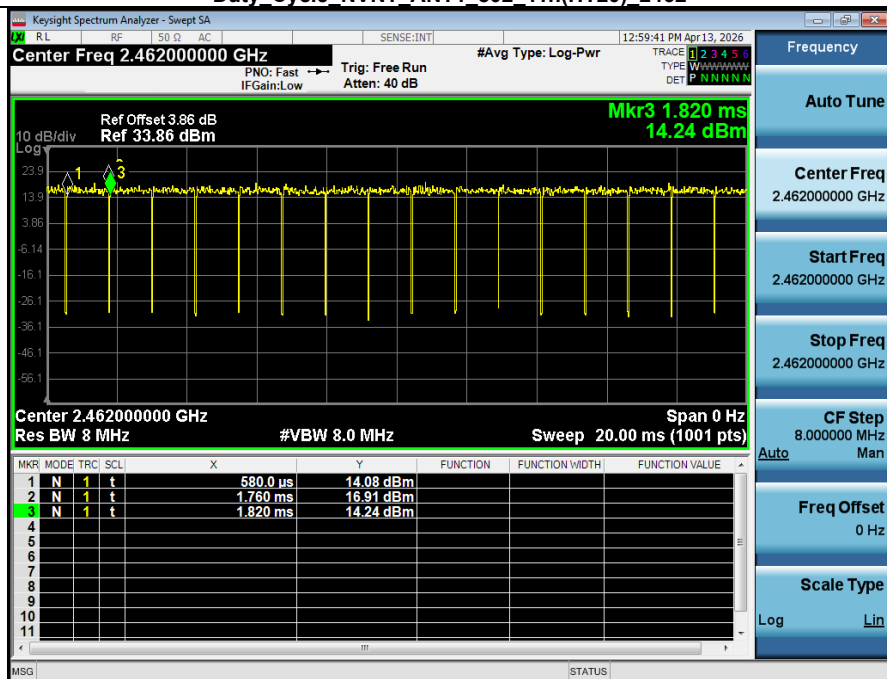
Duty Cycle NVNT ANT1 802_11n(HT20) 2412



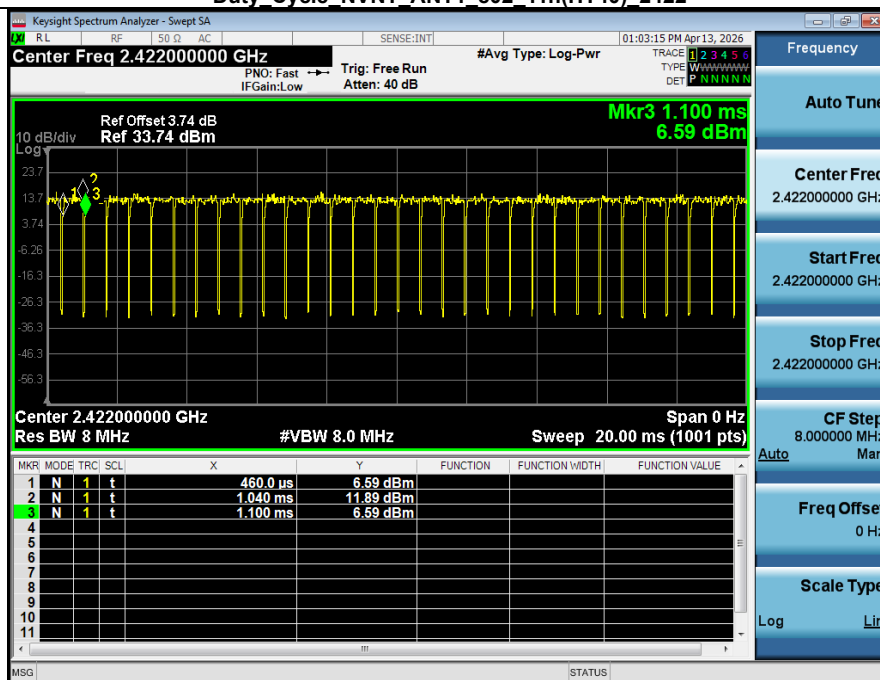
Duty Cycle NVNT ANT1 802 11n(HT20) 2437



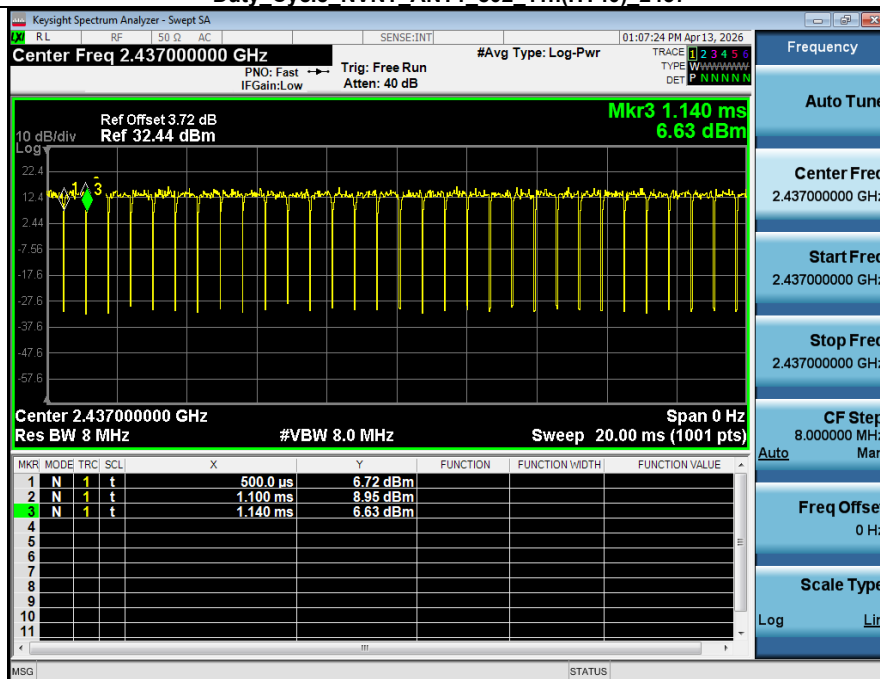
Duty Cycle NVNT ANT1 802 11n(HT20) 2462



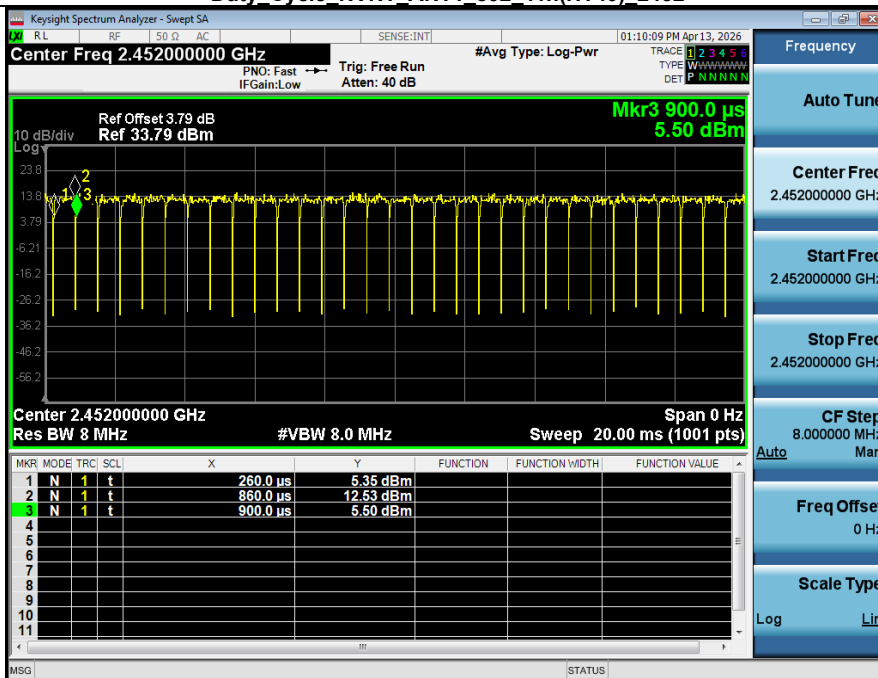
Duty Cycle NVNT ANT1 802 11n(HT40) 2422



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	6.21	30	Pass
NVNT	ANT1	802.11b	2437.00	Peak	6.45	30	Pass
NVNT	ANT1	802.11b	2462.00	Peak	6.71	30	Pass
NVNT	ANT1	802.11g	2412.00	Peak	7.11	30	Pass
NVNT	ANT1	802.11g	2437.00	Peak	7.41	30	Pass
NVNT	ANT1	802.11g	2462.00	Peak	7.67	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	Peak	7.47	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	Peak	8.04	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	Peak	8.17	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	Peak	7.41	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	Peak	7.64	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	Peak	7.48	30	Pass

5. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	SA_PSD(dBm/3kHz)	Duty factor(dB)	RB factor(dB)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	0.51	N/A	-10.00	-9.49	8	Pass
NVNT	ANT1	802.11b	2437.00	5.10	N/A	-10.00	-4.90	8	Pass
NVNT	ANT1	802.11b	2462.00	1.87	N/A	-10.00	-8.13	8	Pass
NVNT	ANT1	802.11g	2412.00	-3.18	N/A	-10.00	-13.18	8	Pass
NVNT	ANT1	802.11g	2437.00	-1.94	N/A	-10.00	-11.94	8	Pass
NVNT	ANT1	802.11g	2462.00	-2.00	N/A	-10.00	-12.00	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-4.23	N/A	-10.00	-14.23	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-3.14	N/A	-10.00	-13.14	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-3.31	N/A	-10.00	-13.31	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-6.66	N/A	-10.00	-16.66	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-6.35	N/A	-10.00	-16.35	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-6.52	N/A	-10.00	-16.52	8	Pass



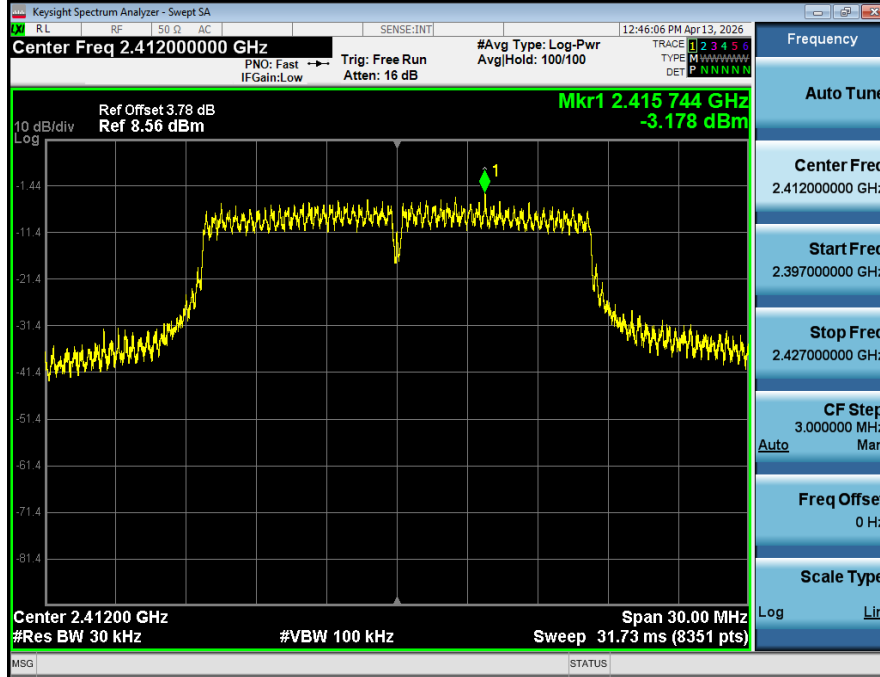
Power Spectral Density NVNT ANT1 802 11b 2437



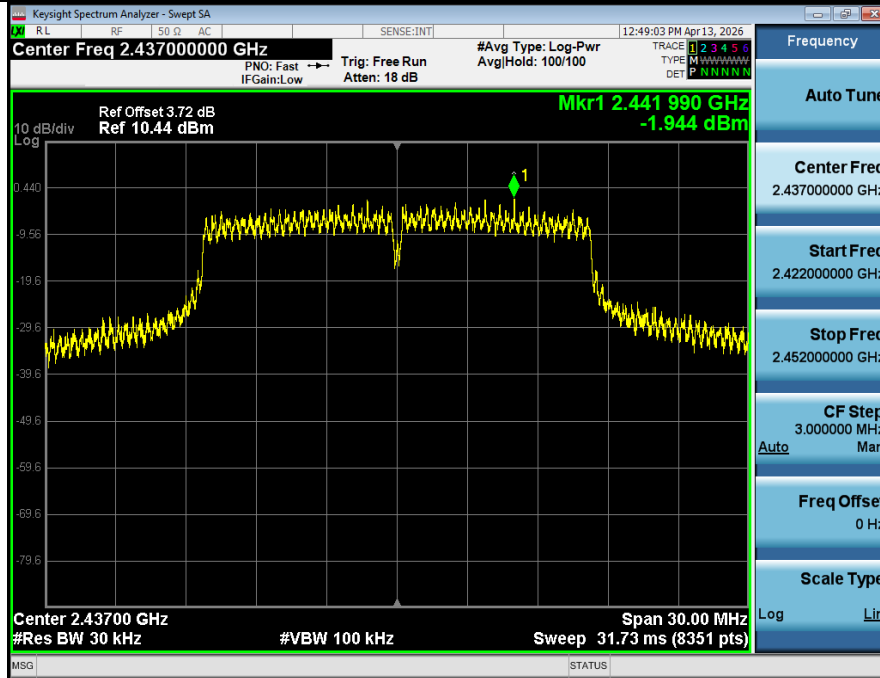
Power Spectral Density NVNT ANT1 802 11b 2462



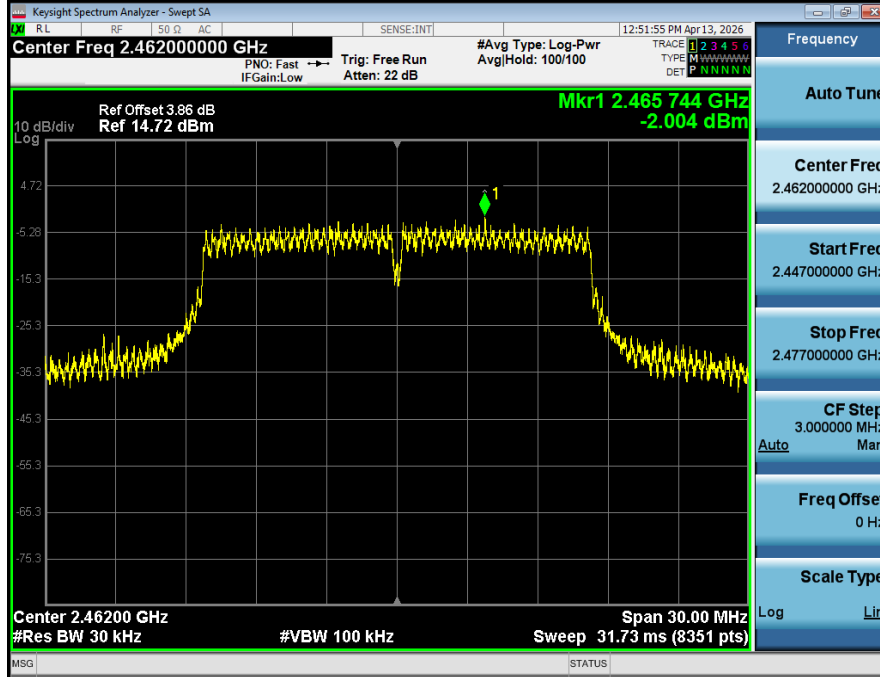
Power Spectral Density NVNT ANT1 802 11g 2412



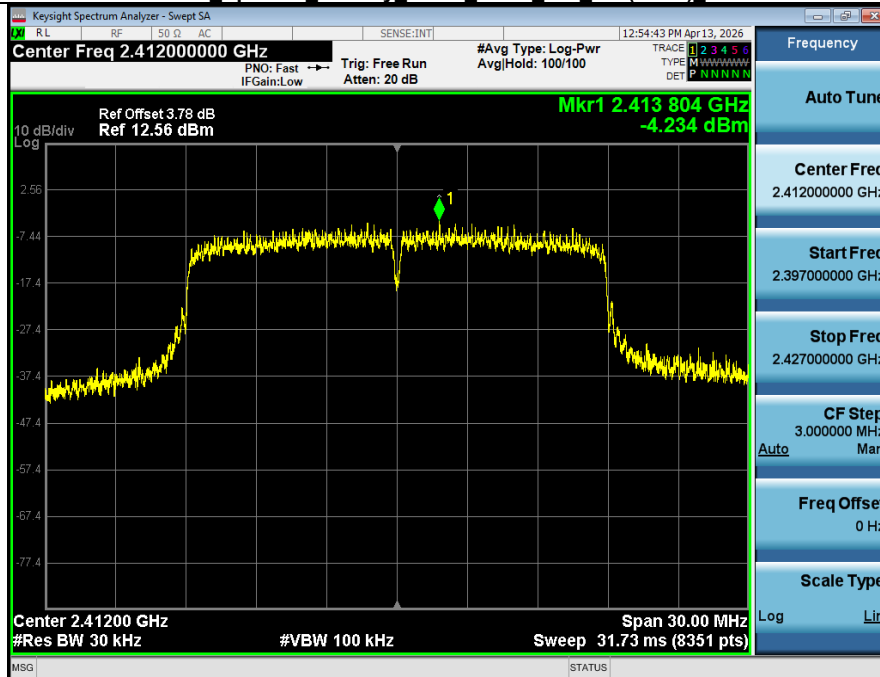
Power Spectral Density NVNT ANT1 802 11g 2437



Power Spectral Density NVNT ANT1 802 11g 2462



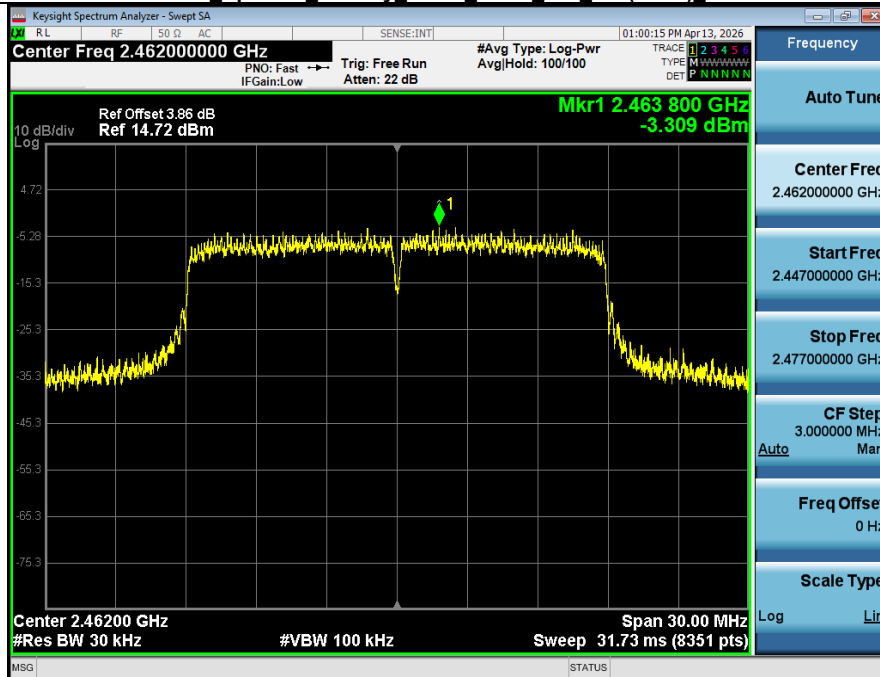
Power Spectral Density NVNT ANT1 802 11n(HT20) 2412



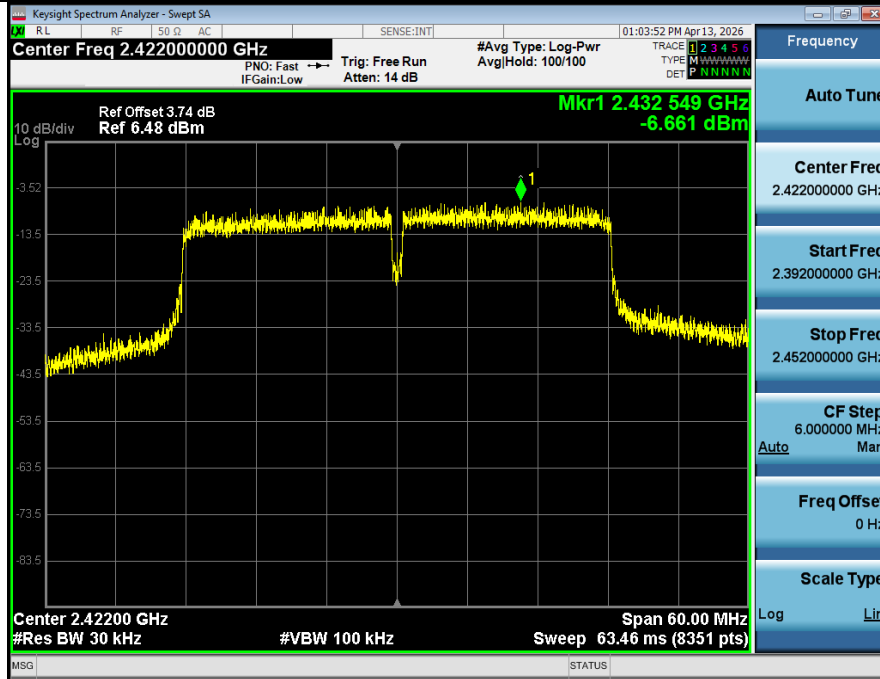
Power Spectral Density NVNT ANT1 802 11n(HT20) 2437



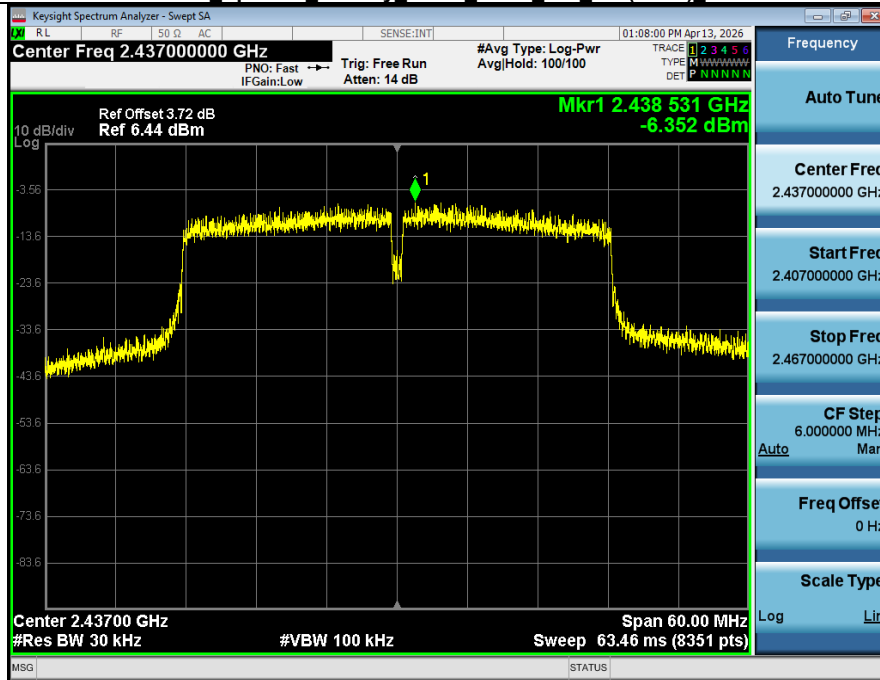
Power Spectral Density NVNT ANT1 802 11n(HT20) 2462



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



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

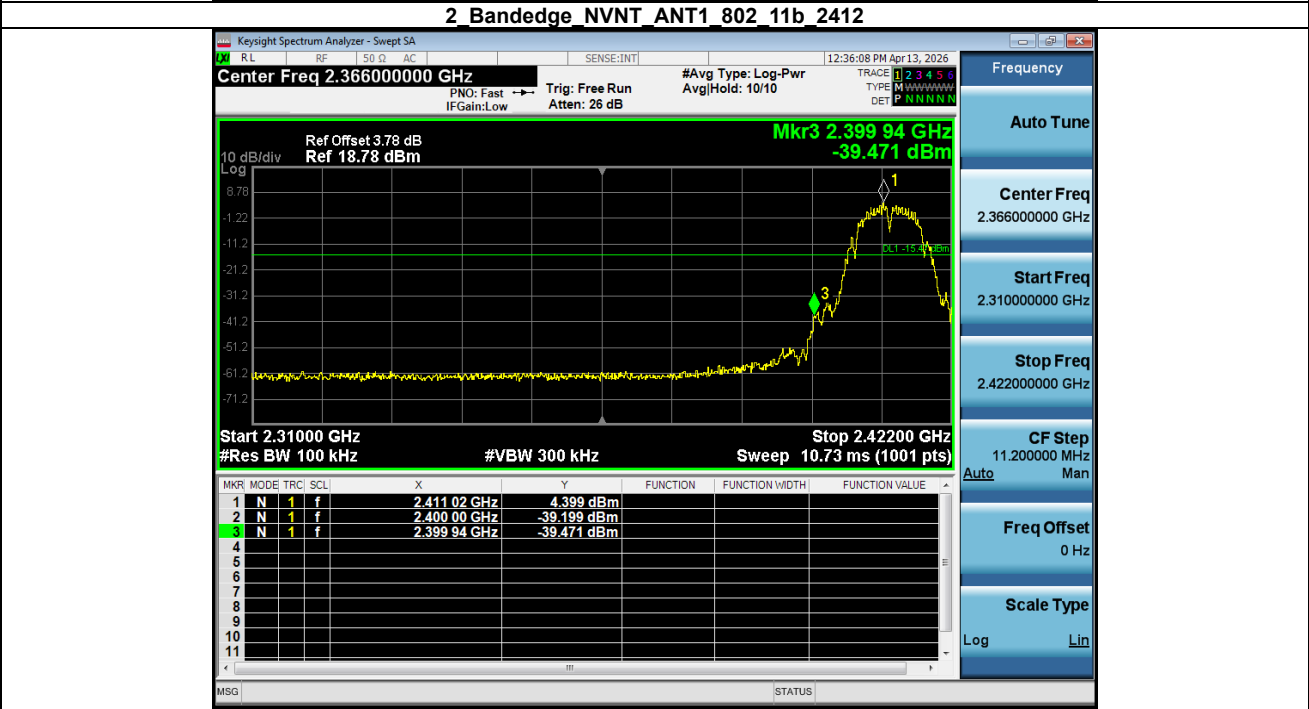


Power Spectral Density NVNT ANT1_802_11n(HT40) 2452



6. Bandedge

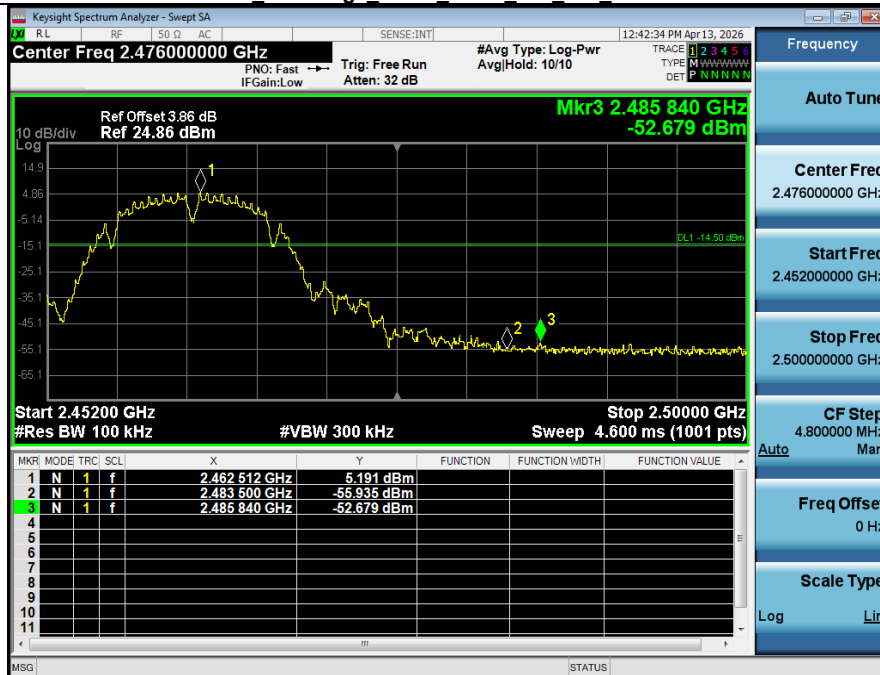
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	2399.936	4.529	-39.471	-15.471	Pass
NVNT	ANT1	802.11b	2462.00	2485.840	5.503	-52.679	-14.497	Pass
NVNT	ANT1	802.11g	2412.00	2399.712	0.832	-29.079	-19.168	Pass
NVNT	ANT1	802.11g	2462.00	2483.824	2.228	-39.045	-17.772	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.936	0.029	-30.929	-19.971	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2484.208	1.207	-39.138	-18.793	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2398.176	-1.773	-31.150	-21.773	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2485.516	-1.488	-36.719	-21.488	Pass



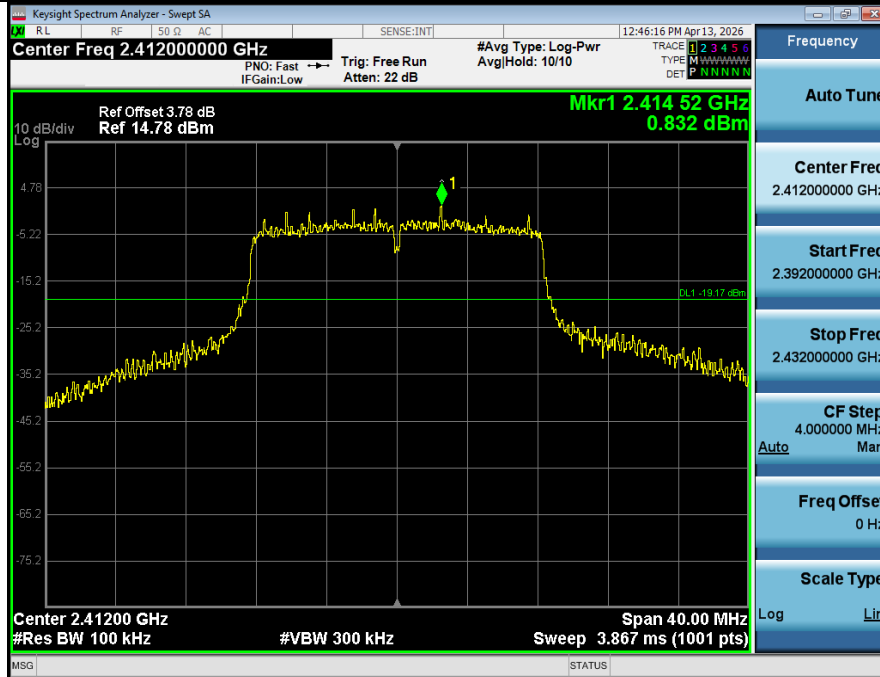
1 Reference Level NVNT_ANT1_802_11b_2462



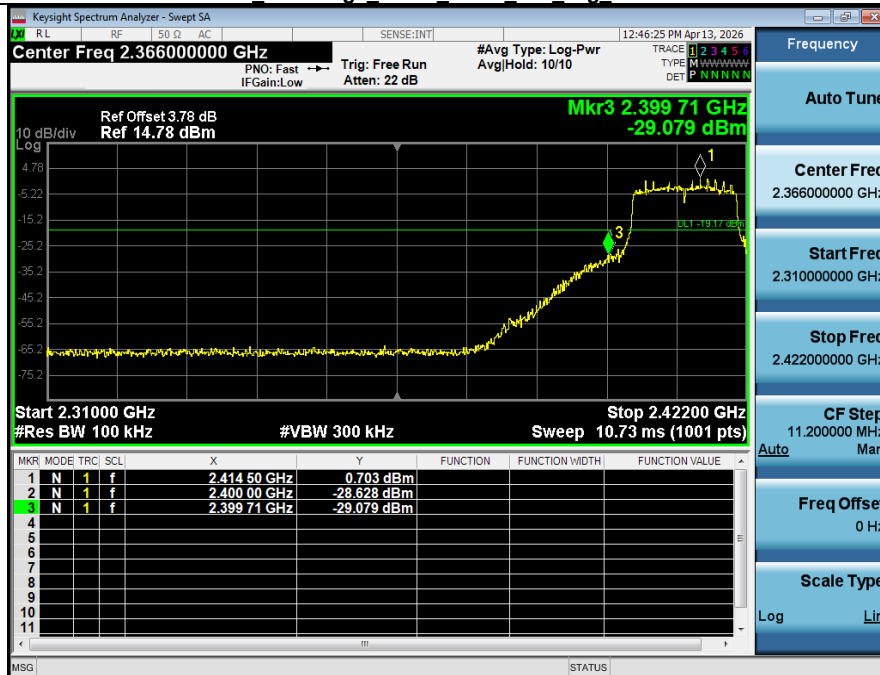
2 Bandedge NVNT_ANT1_802_11b_2462



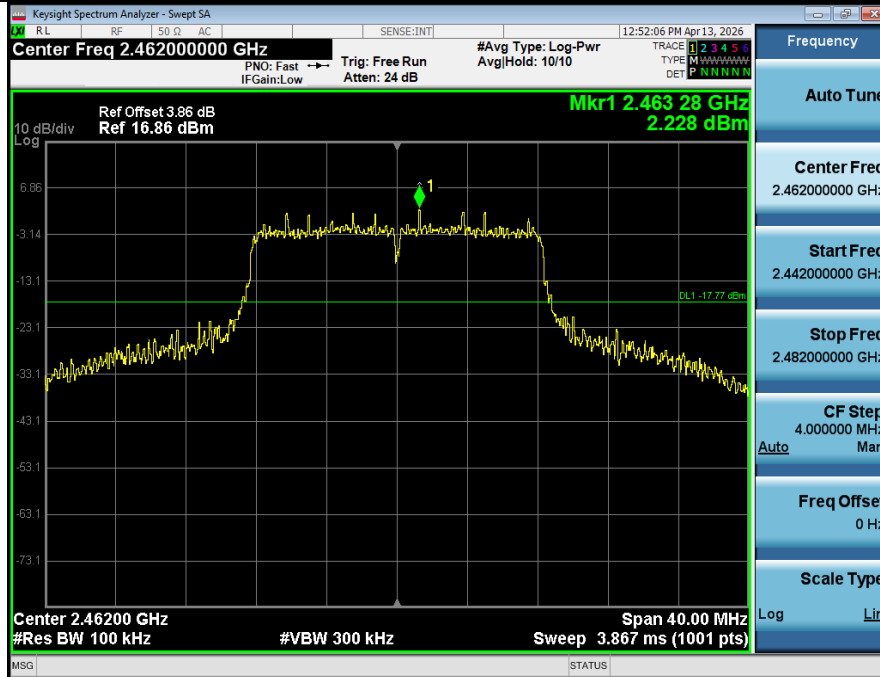
1 Reference Level NVNT_ANT1_802_11g_2412



2 Bandedge NVNT_ANT1_802_11g_2412



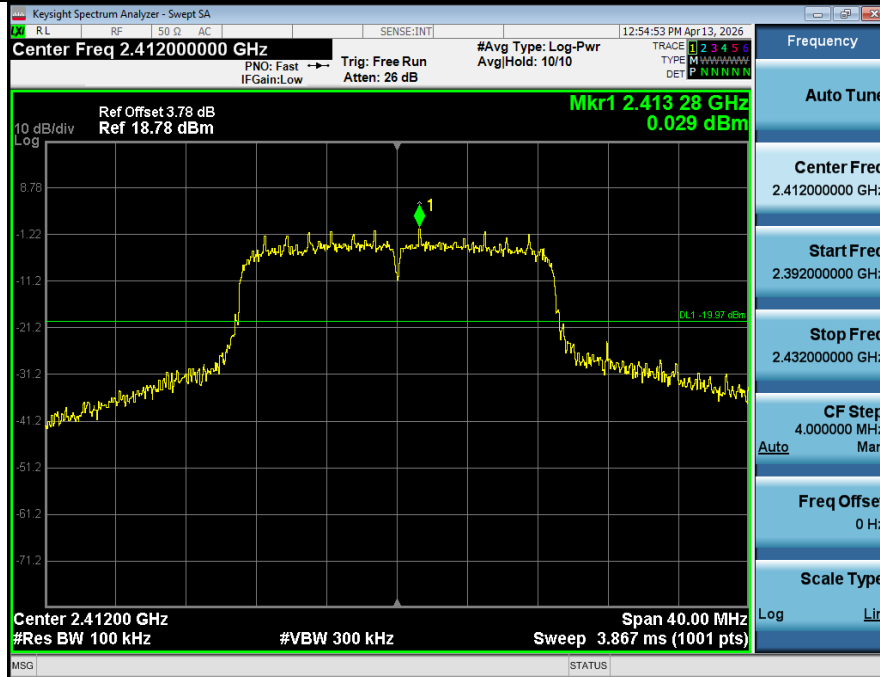
1 Reference Level NVNT_ANT1_802_11g_2462



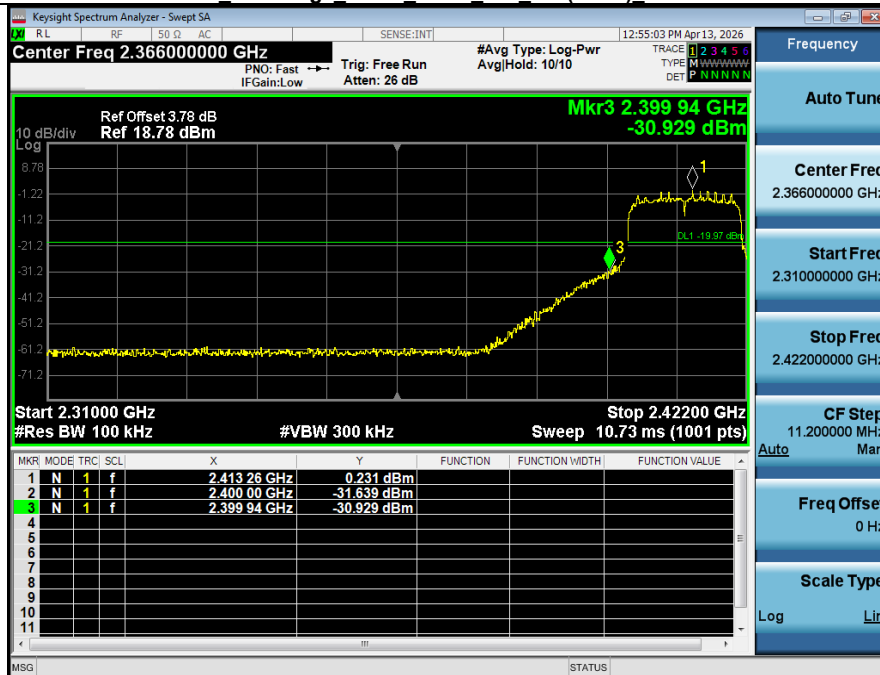
2 Bandedge NVNT_ANT1_802_11g_2462



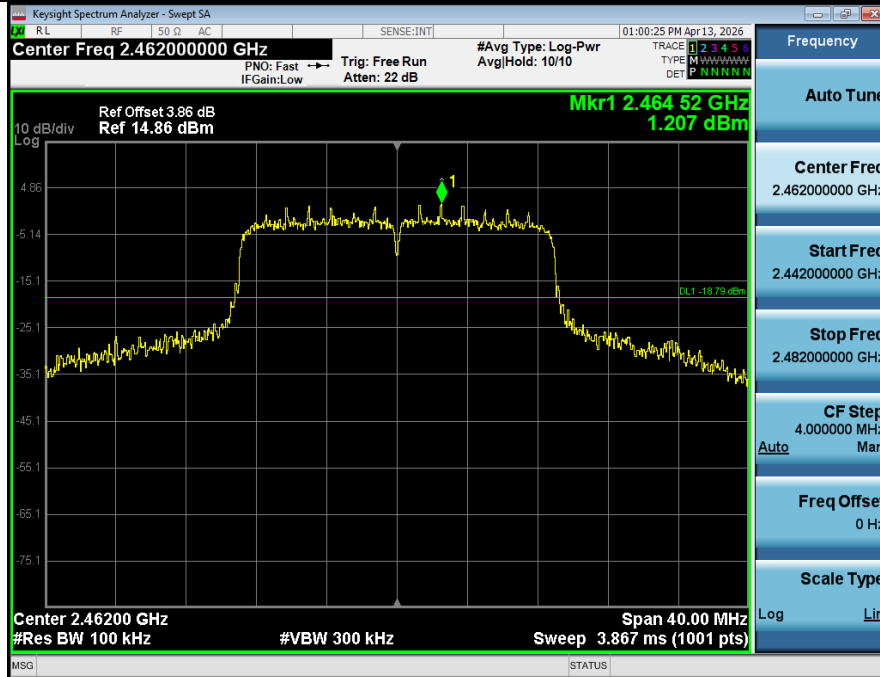
1 Reference Level NVNT_ANT1_802_11n(HT20) 2412



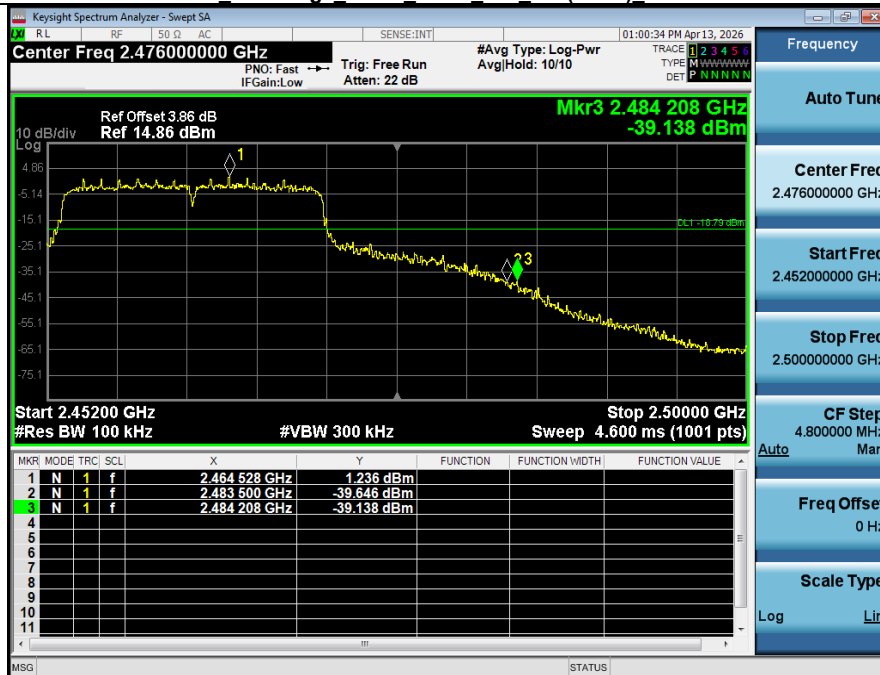
2 Bandedge NVNT_ANT1_802_11n(HT20) 2412



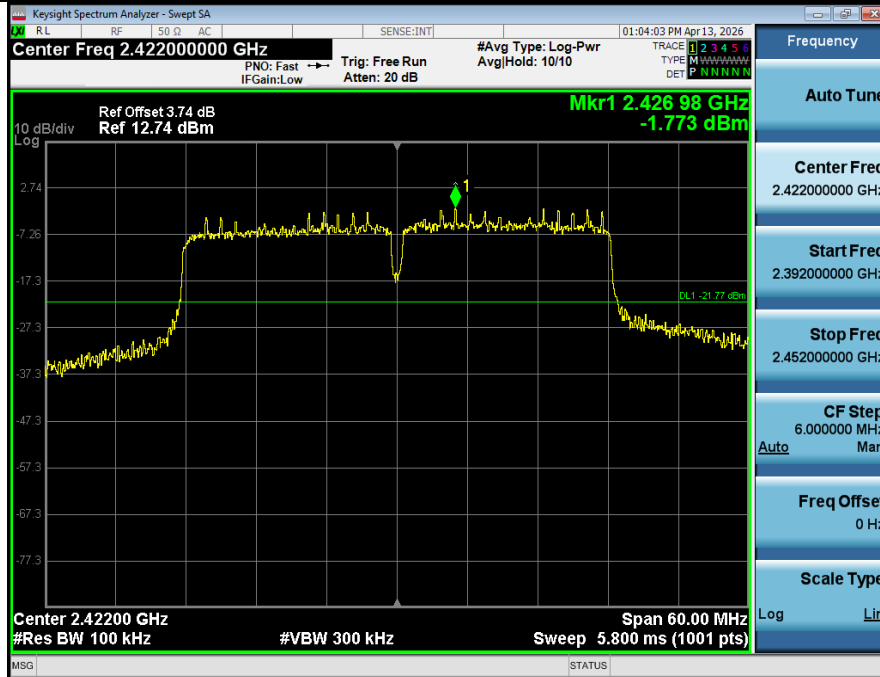
1 Reference Level NVNT_ANT1_802_11n(HT20)_2462



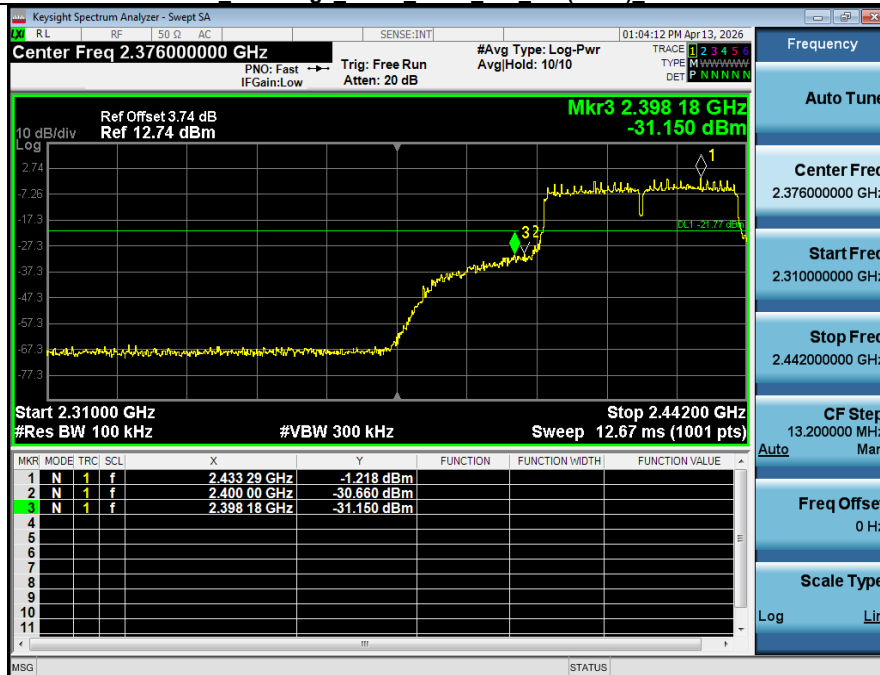
2 Bandedge NVNT_ANT1_802_11n(HT20)_2462



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

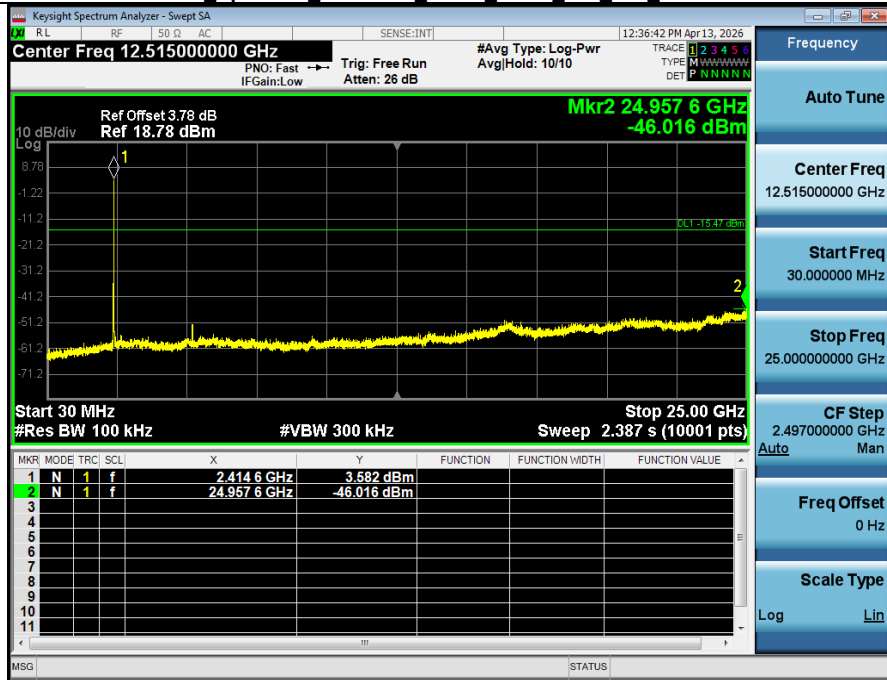


7. Spurious Emission

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	24957.551	4.529	-46.016	-15.471	Pass
NVNT	ANT1	802.11b	2437.00	706.687	5.597	-36.997	-14.403	Pass
NVNT	ANT1	802.11b	2462.00	24775.270	5.503	-40.690	-14.497	Pass
NVNT	ANT1	802.11g	2412.00	23684.081	0.832	-50.190	-19.168	Pass
NVNT	ANT1	802.11g	2437.00	24960.048	2.395	-47.760	-17.605	Pass
NVNT	ANT1	802.11g	2462.00	1725.463	2.228	-46.406	-17.772	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24952.557	0.029	-45.736	-19.971	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	24468.139	1.557	-43.907	-18.443	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	24967.539	1.207	-49.108	-18.793	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	24937.575	-1.773	-52.841	-21.773	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	704.190	-1.229	-43.106	-21.229	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	24995.006	-1.488	-48.031	-21.488	Pass



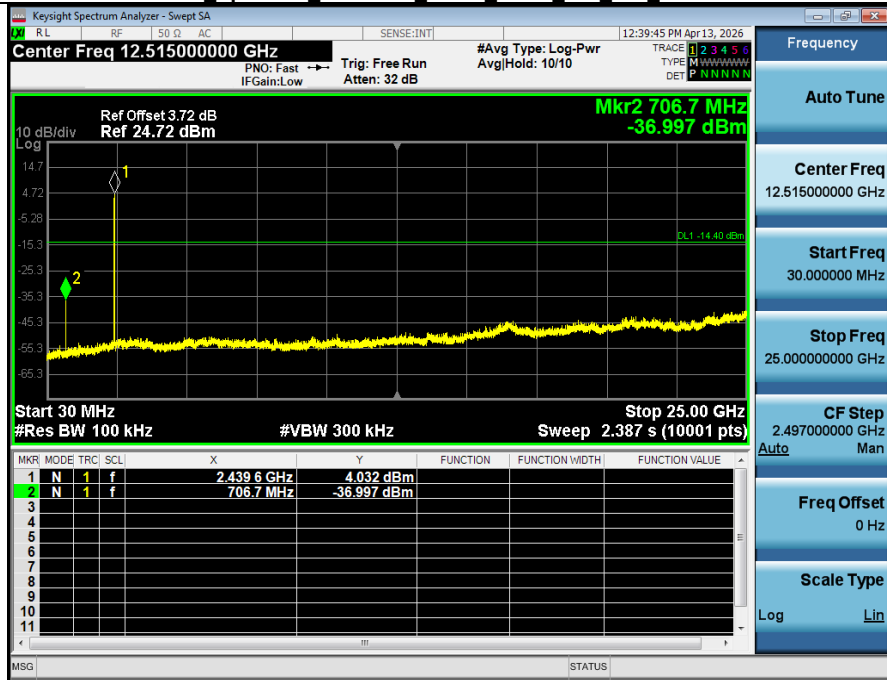
2 Spurious Emission NVNT ANT1 802 11b 2412



1 Reference Level NVNT ANT1 802 11b 2437



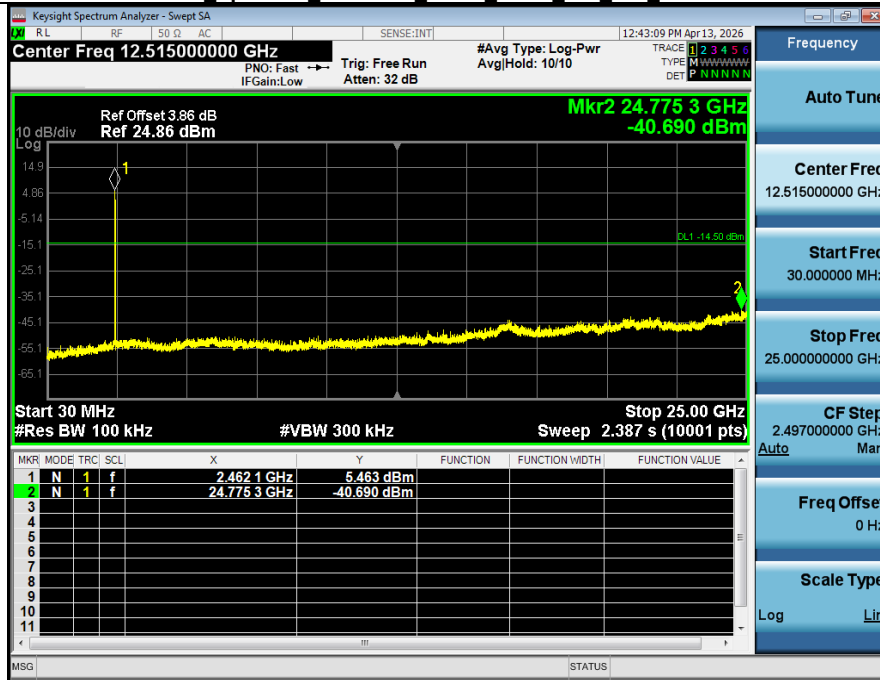
2 Spurious Emission NVNT ANT1 802 11b 2437



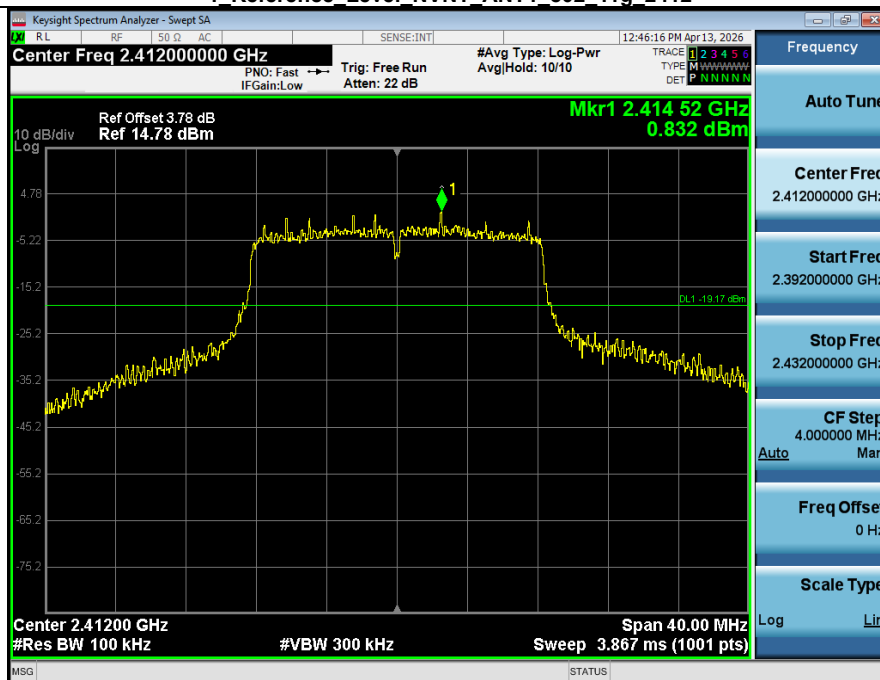
1 Reference Level NVNT ANT1 802 11b 2462



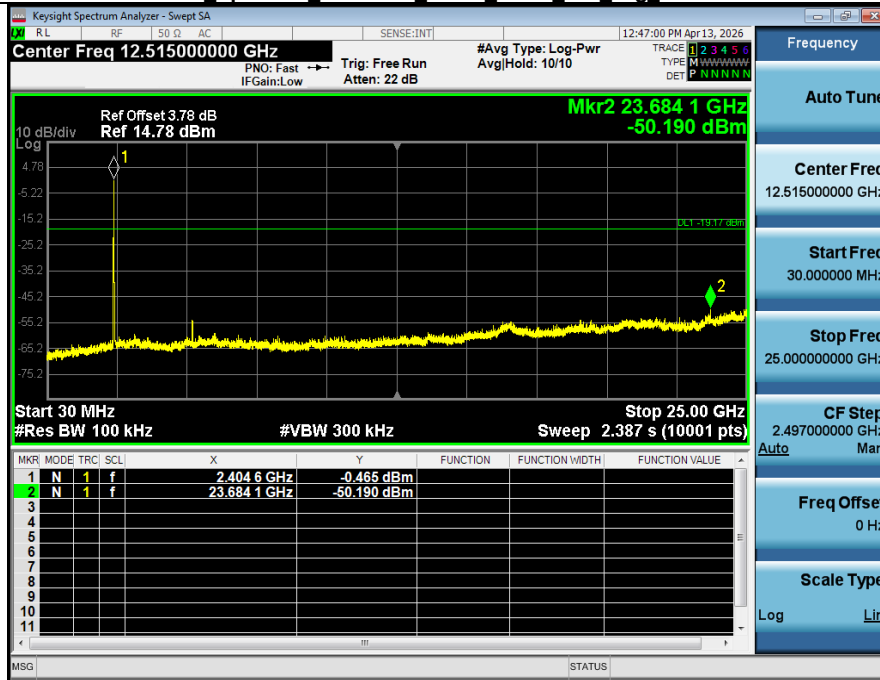
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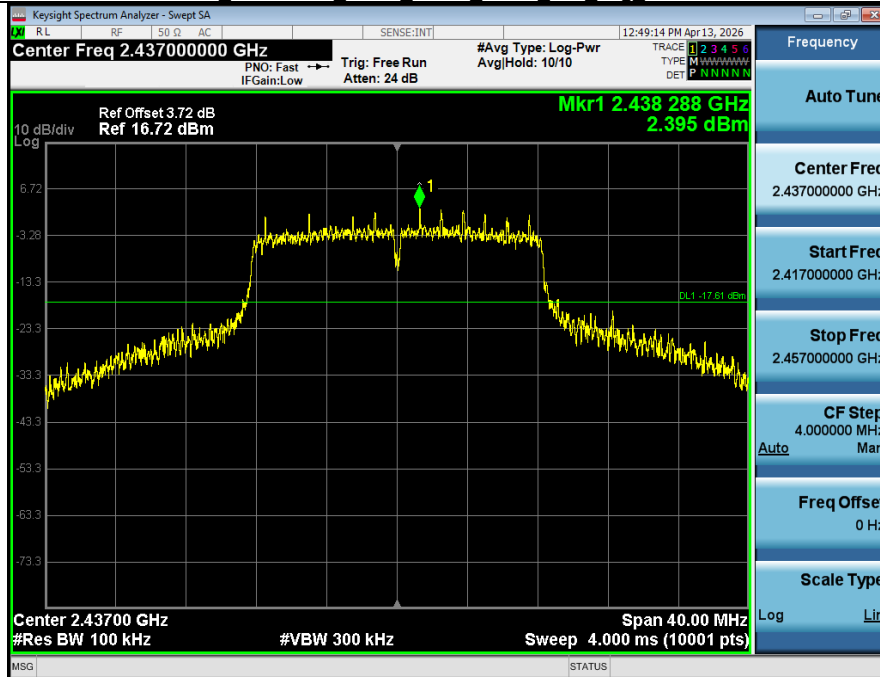
1 Reference Level NVNT ANT1 802 11g 2412



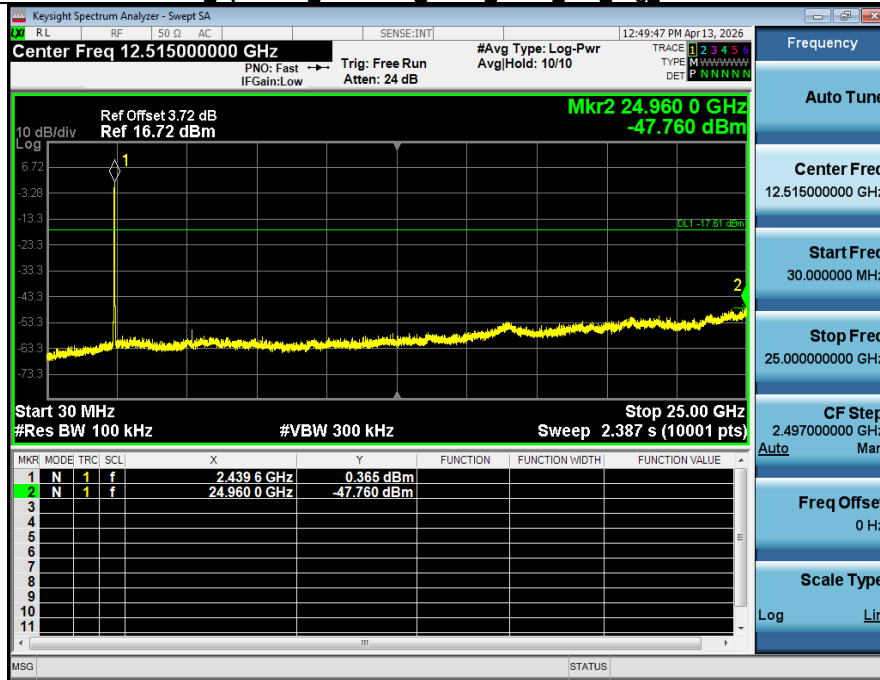
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1 Reference Level NVNT ANT1 802 11g 2437



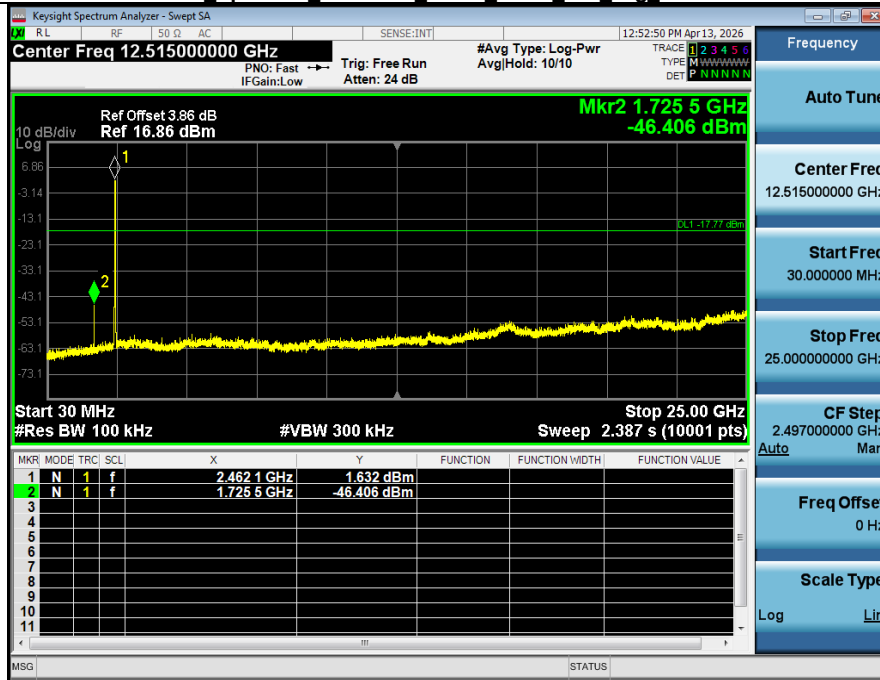
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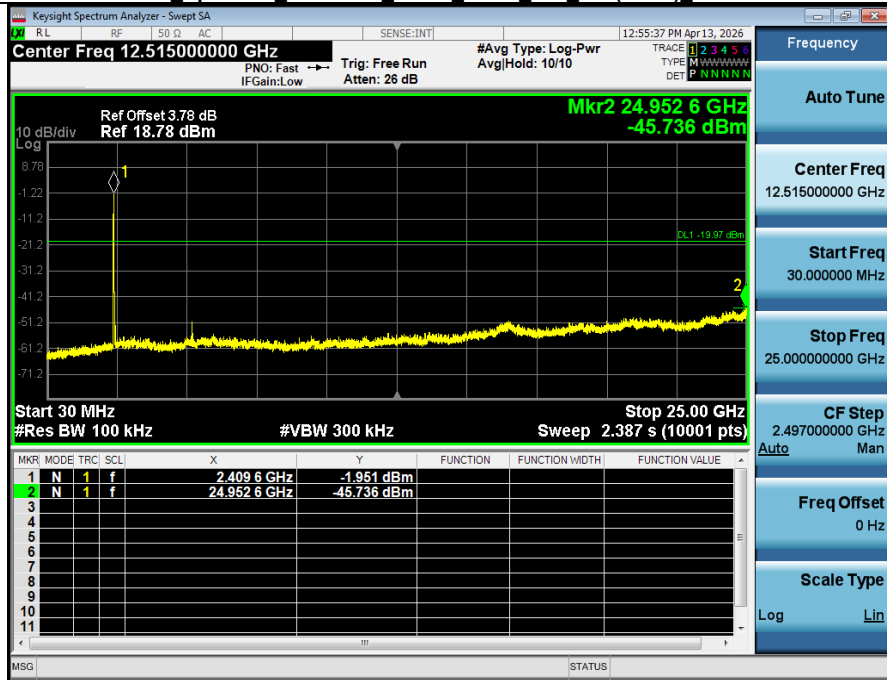
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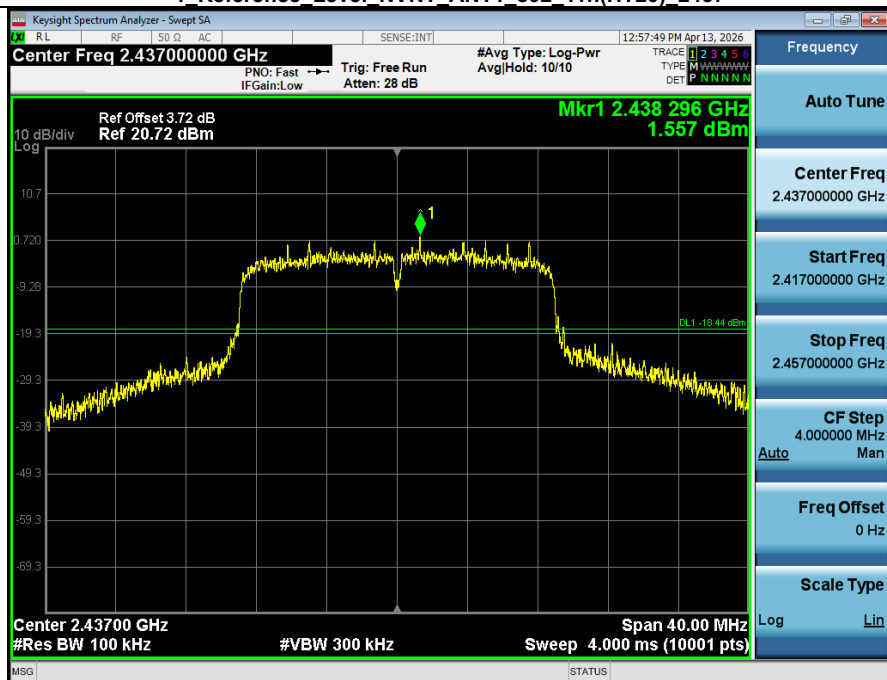
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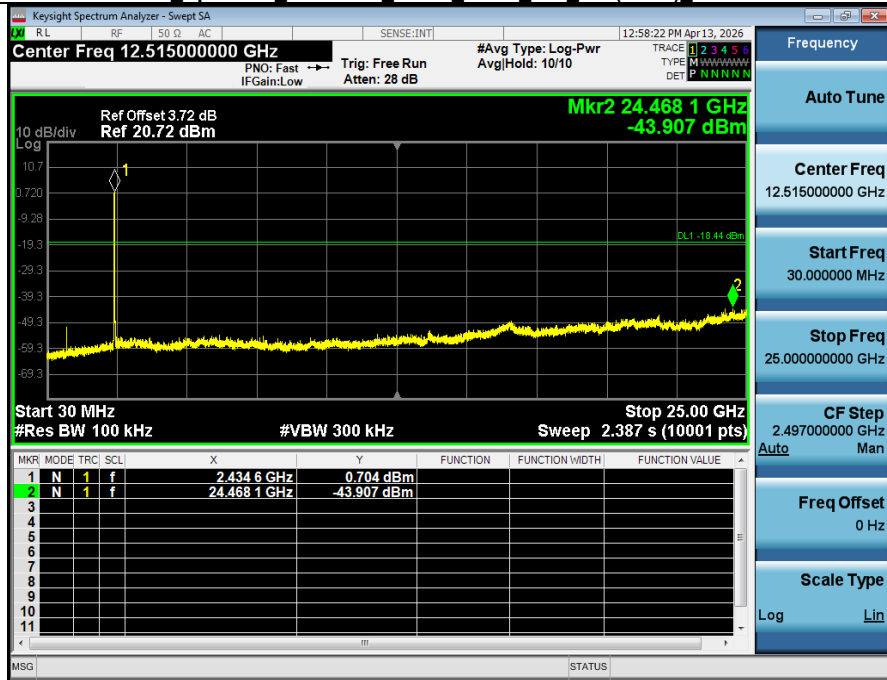
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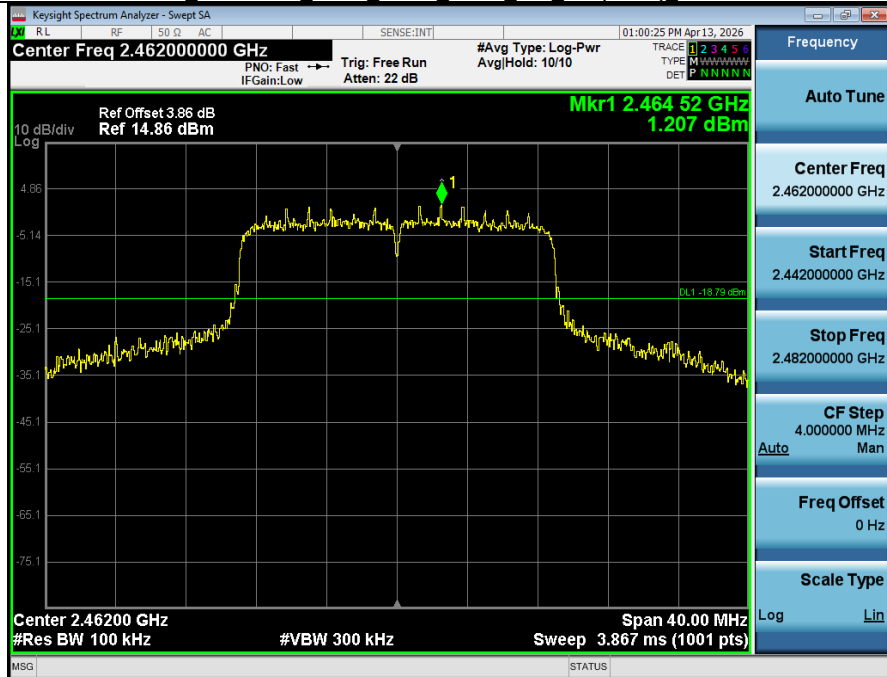
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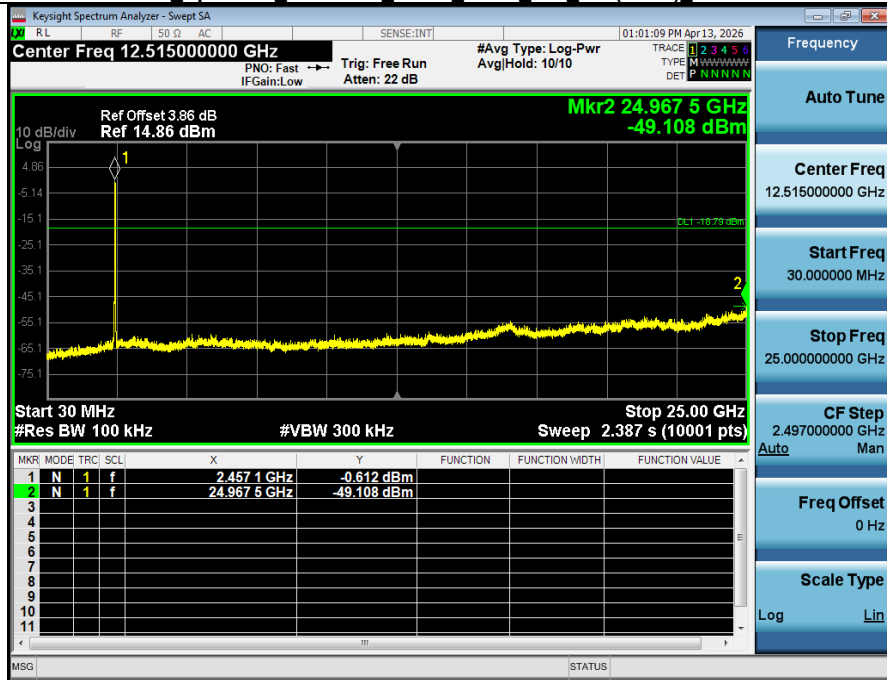
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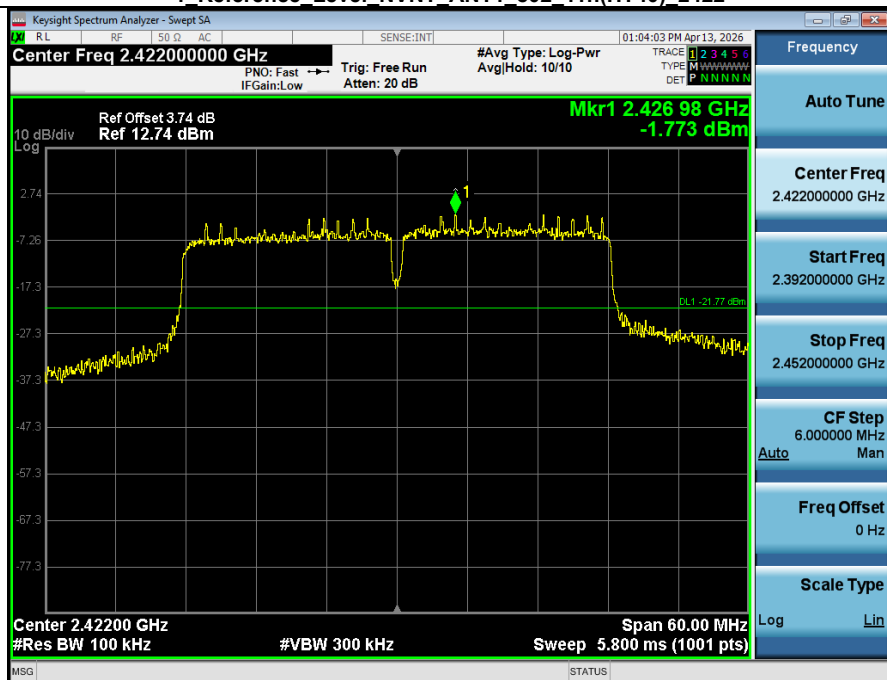
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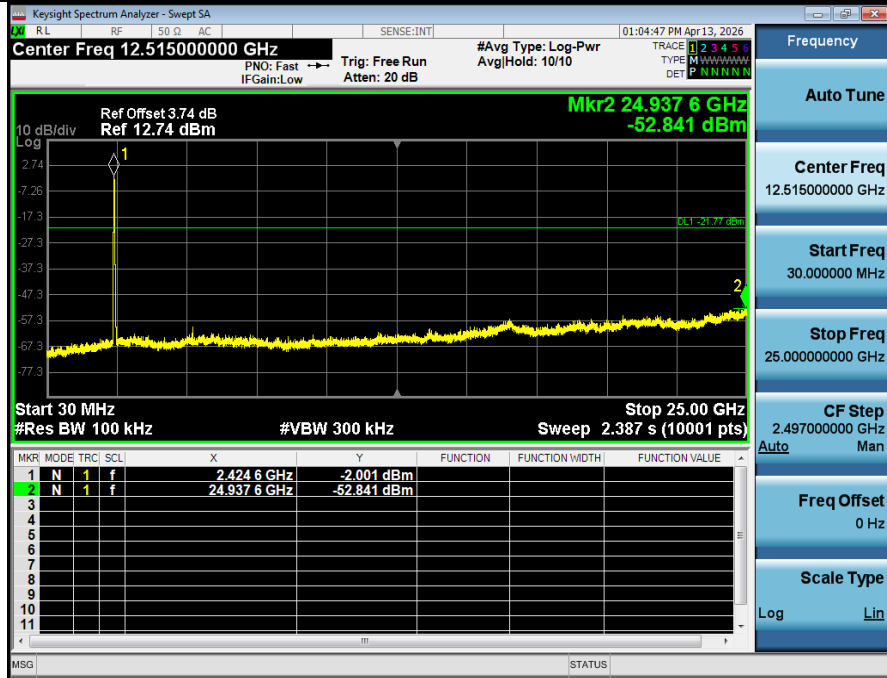
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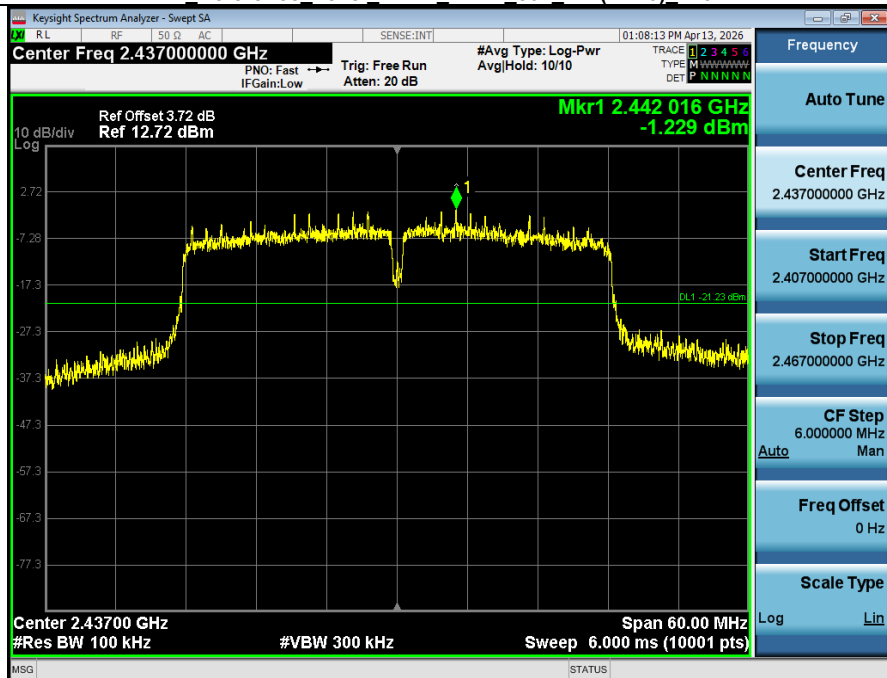
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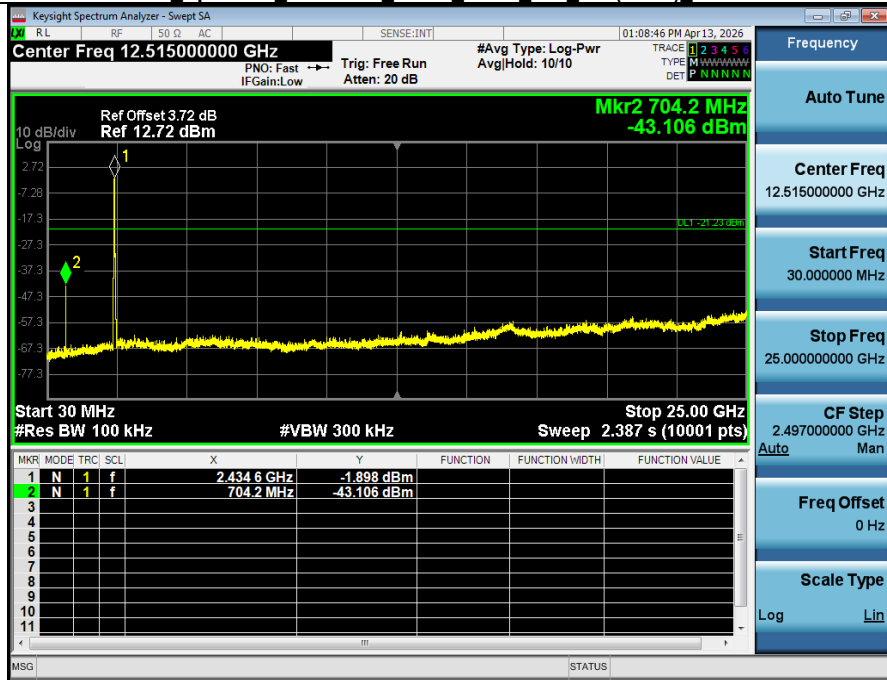
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1 Reference Level NVNT ANT1_802_11n(HT40) 2437



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

