

WiFi 2.4G Test Data

FCC ID:2BXV6-C160

Product : Aithear Window Camera

Model Name : Aithear C160

Brand : N/A

Report No. : NCT260351017XE1-2

Prepared for

Evorise Limited

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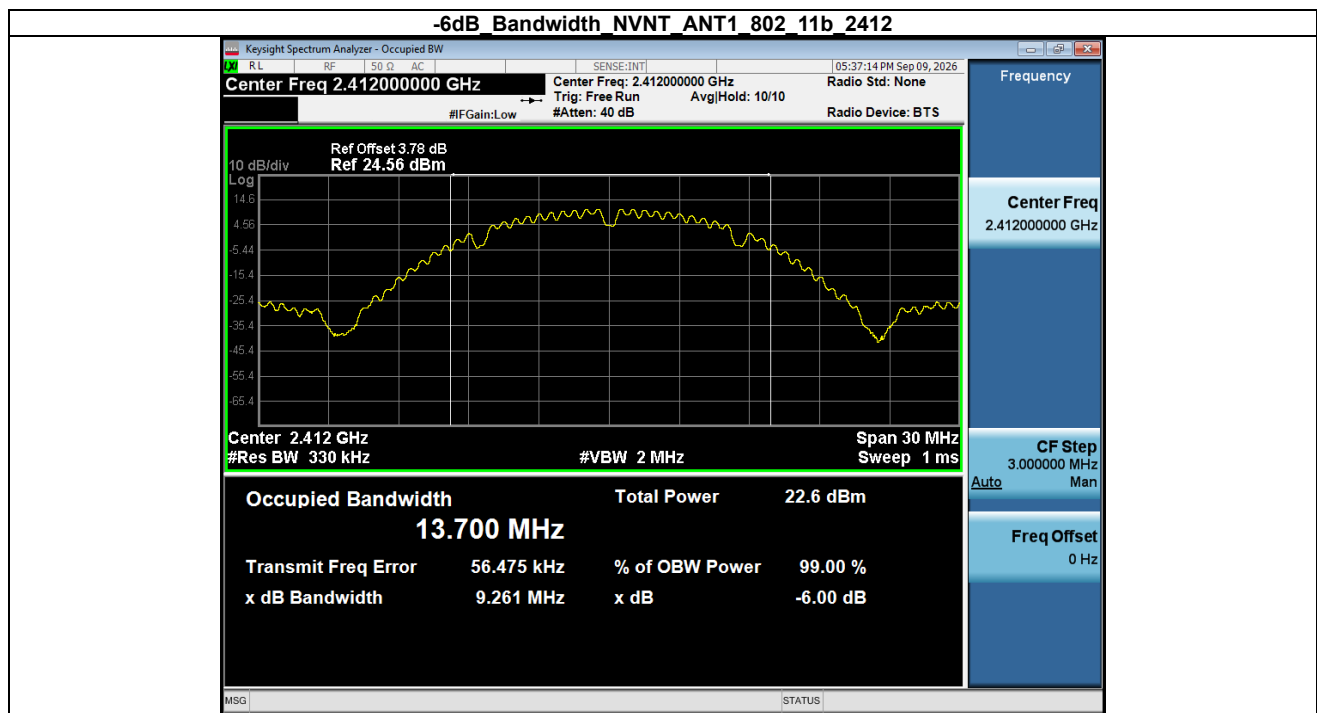
TEL: 400-8868-419

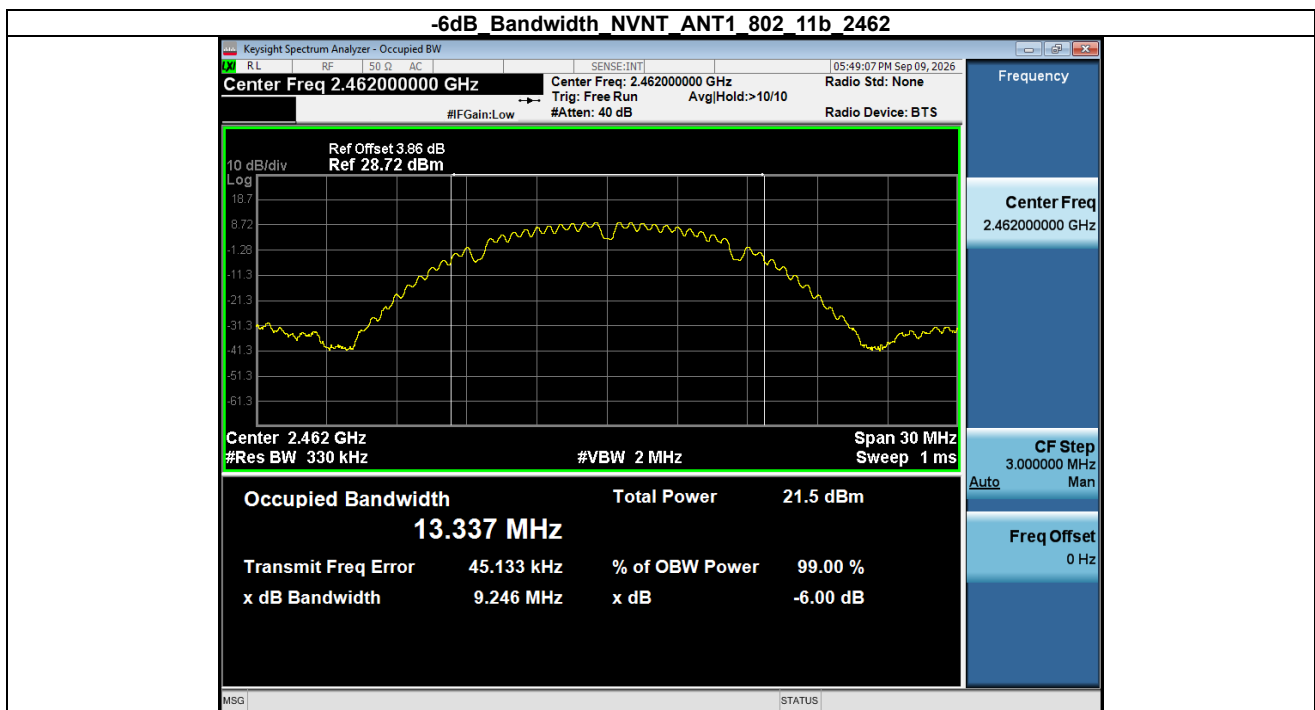
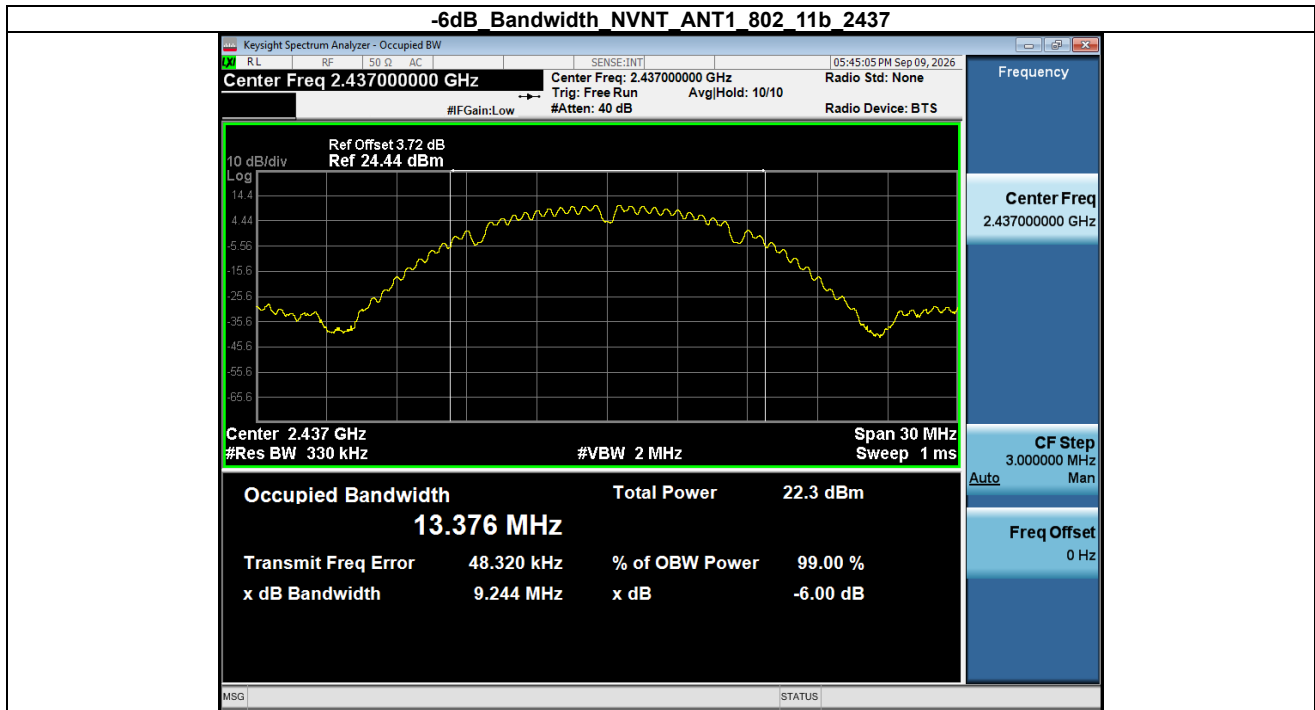
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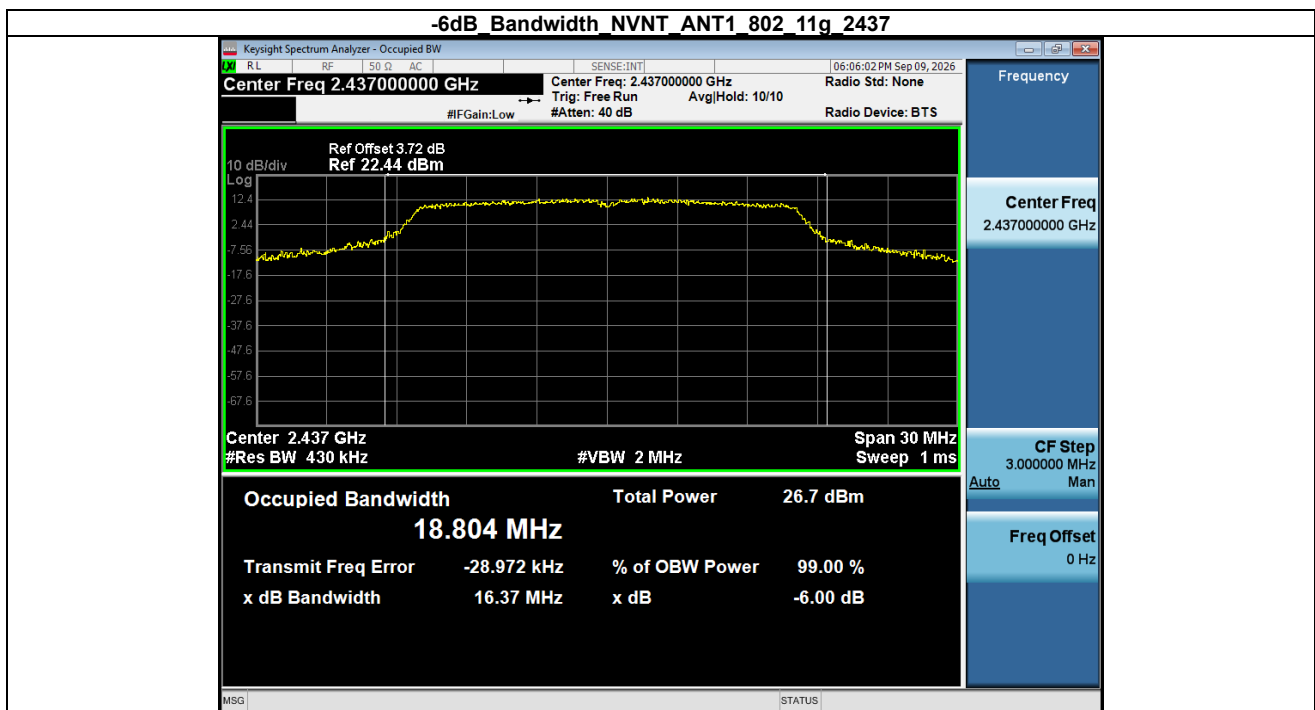
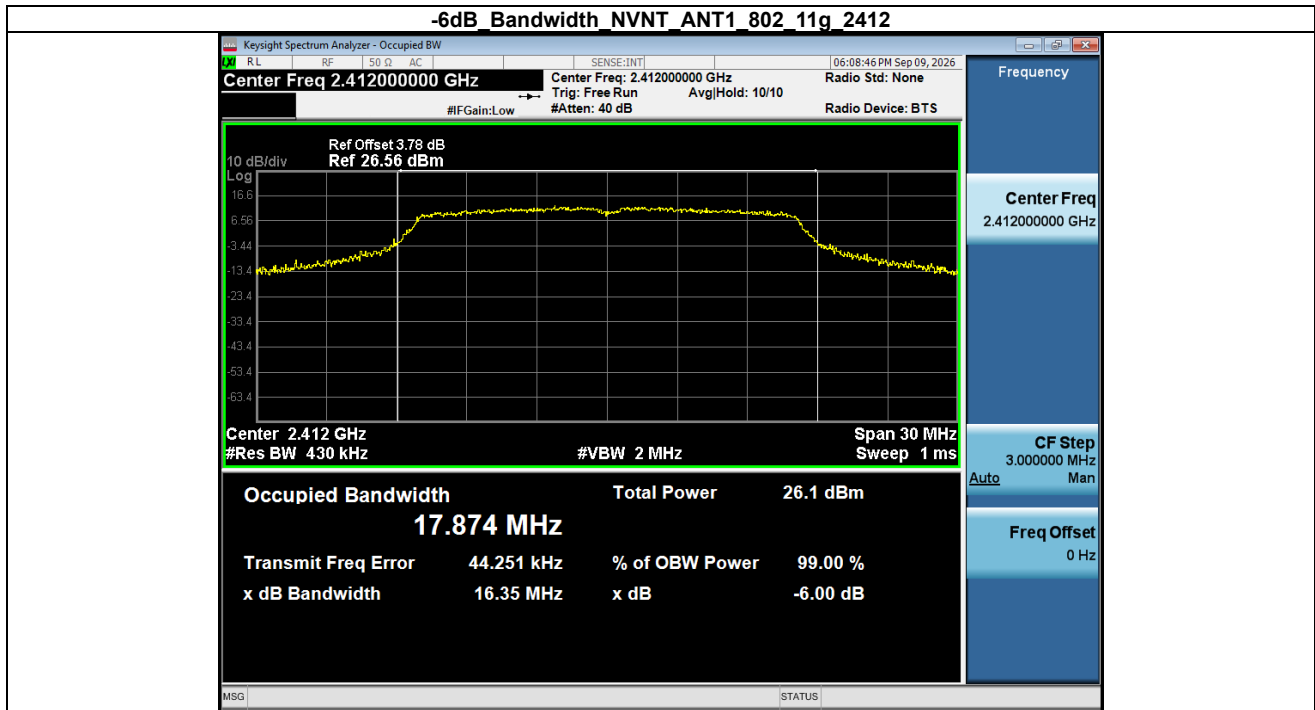
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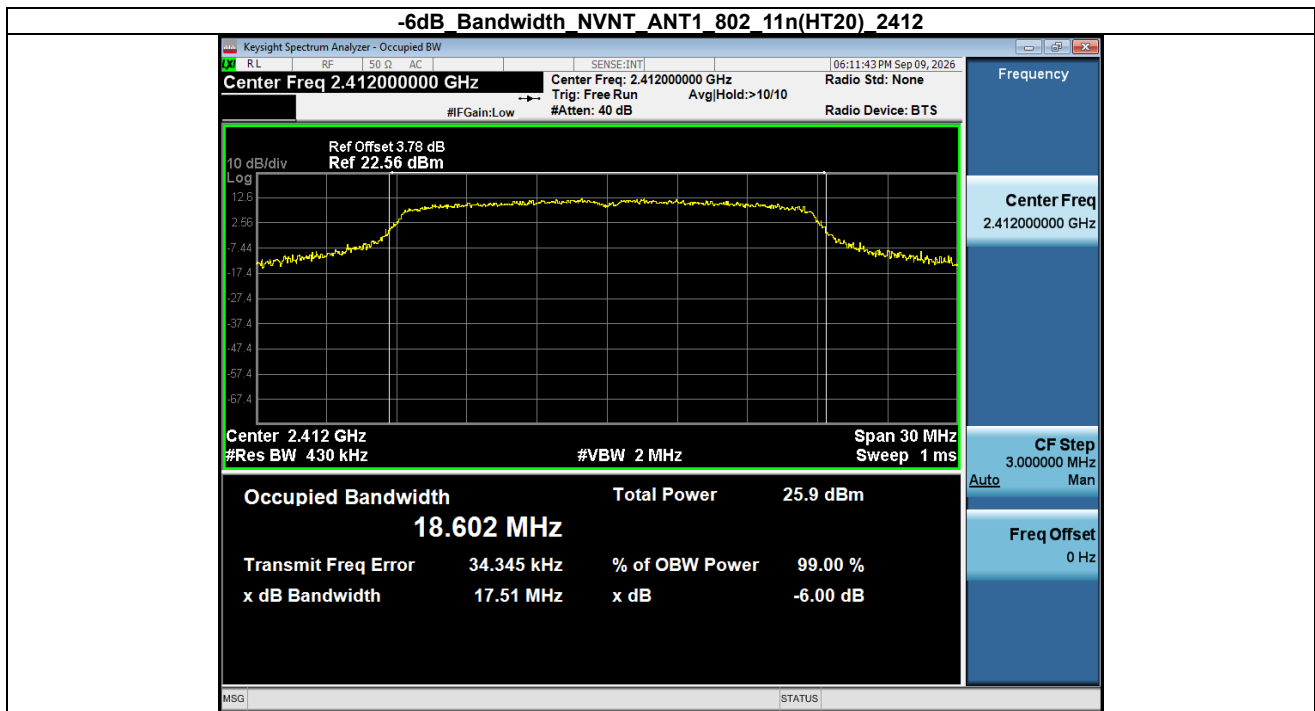
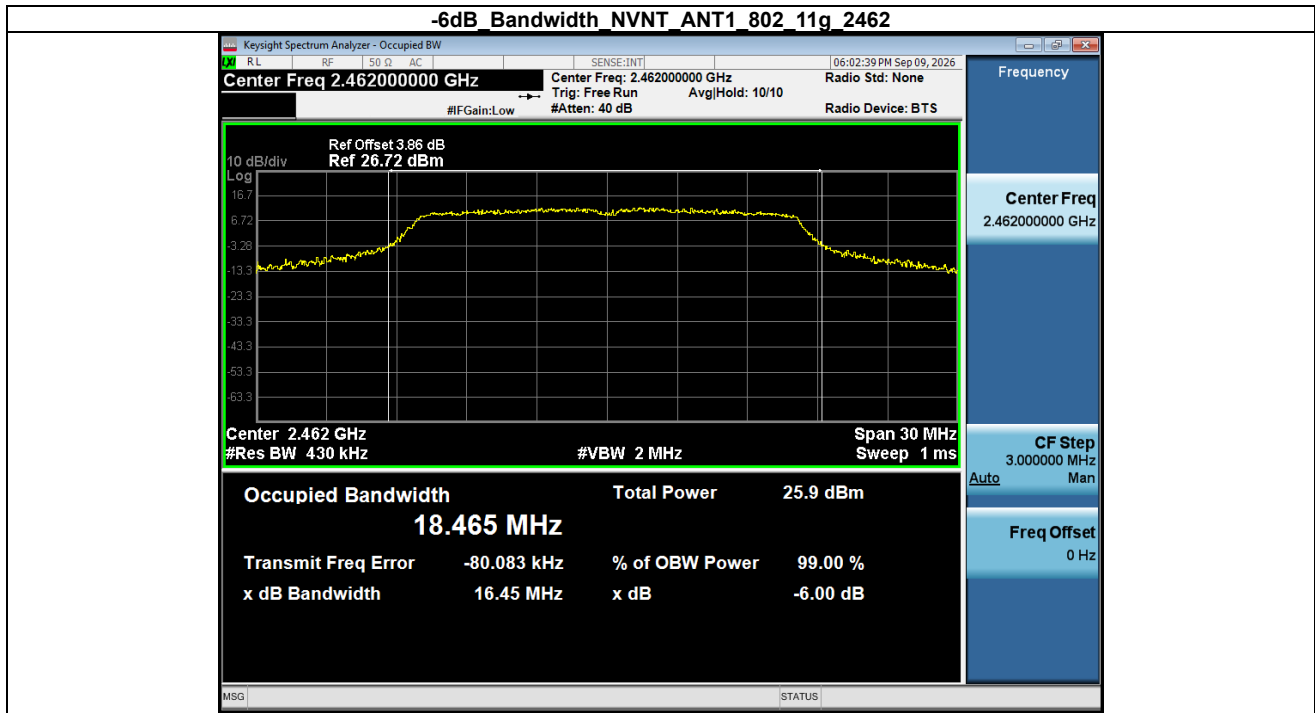
1. -6dB Bandwidth

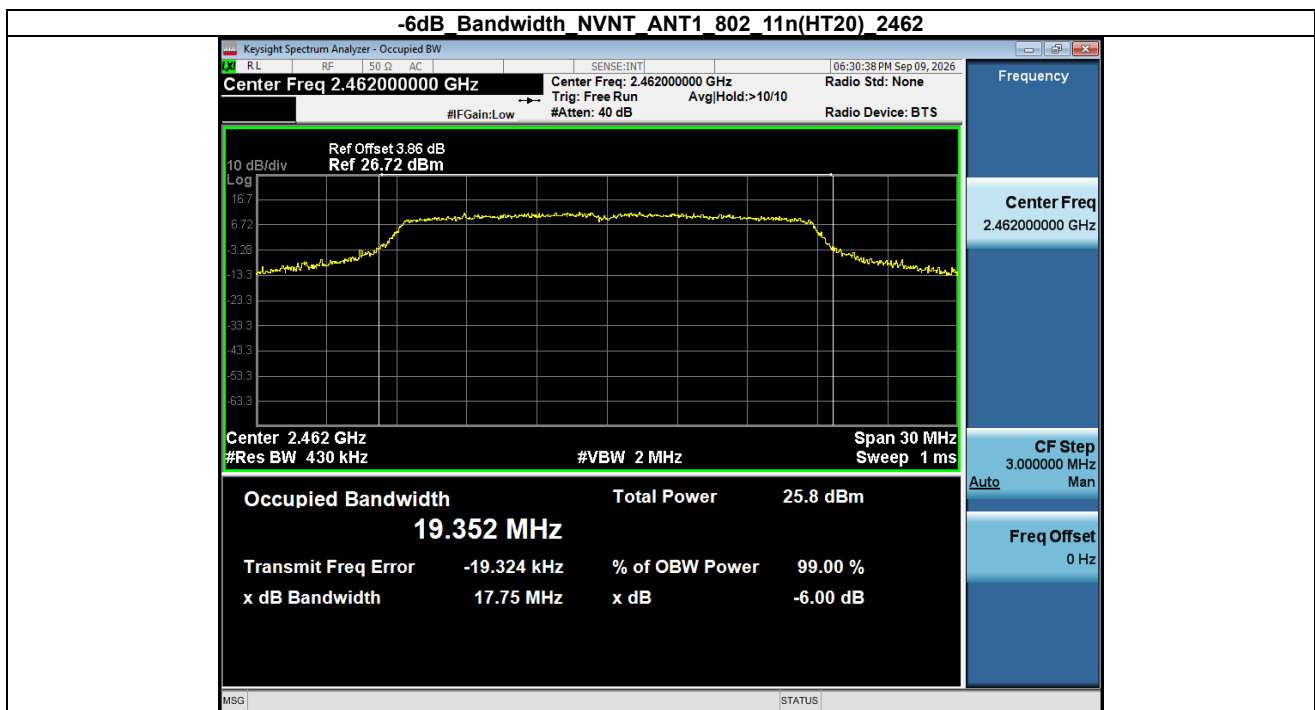
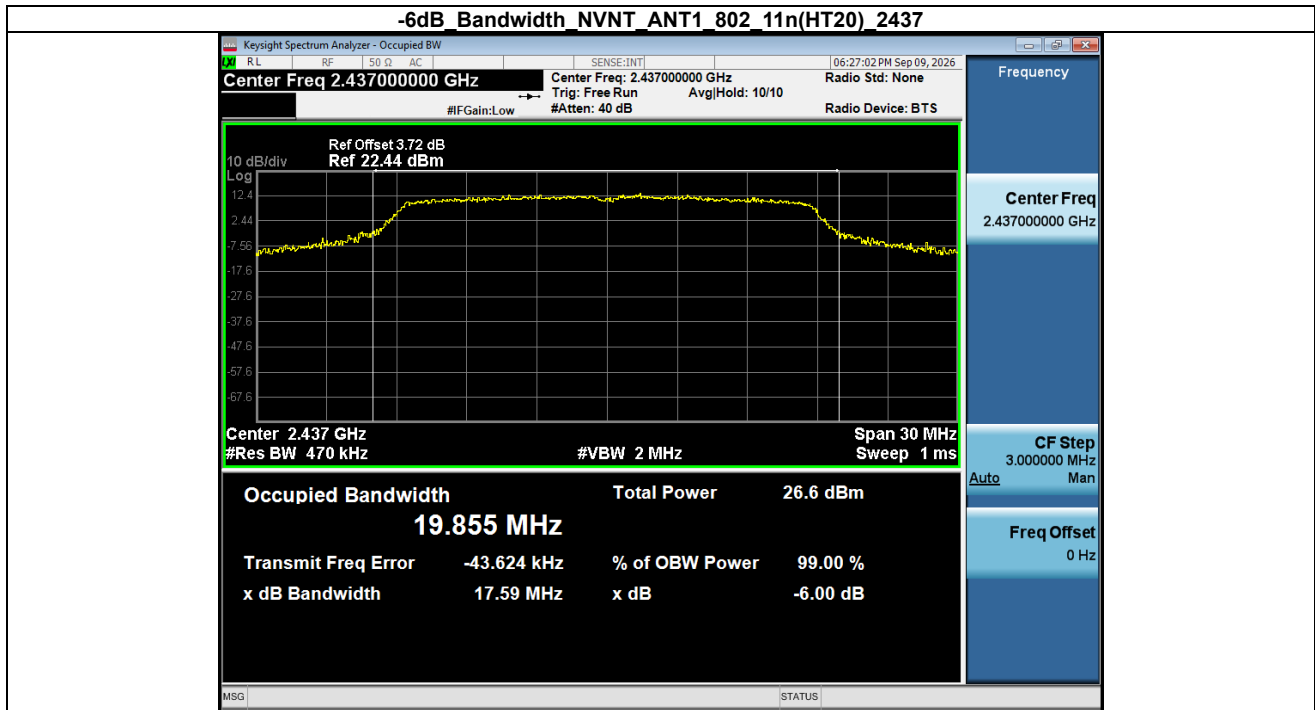
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	9.26	500	Pass
NVNT	ANT1	802.11b	2437.00	9.24	500	Pass
NVNT	ANT1	802.11b	2462.00	9.25	500	Pass
NVNT	ANT1	802.11g	2412.00	16.35	500	Pass
NVNT	ANT1	802.11g	2437.00	16.37	500	Pass
NVNT	ANT1	802.11g	2462.00	16.45	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.51	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.59	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.75	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	36.02	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	36.17	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	36.14	500	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	18.56	500	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	18.92	500	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	18.86	500	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	37.58	500	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	37.74	500	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	37.30	500	Pass

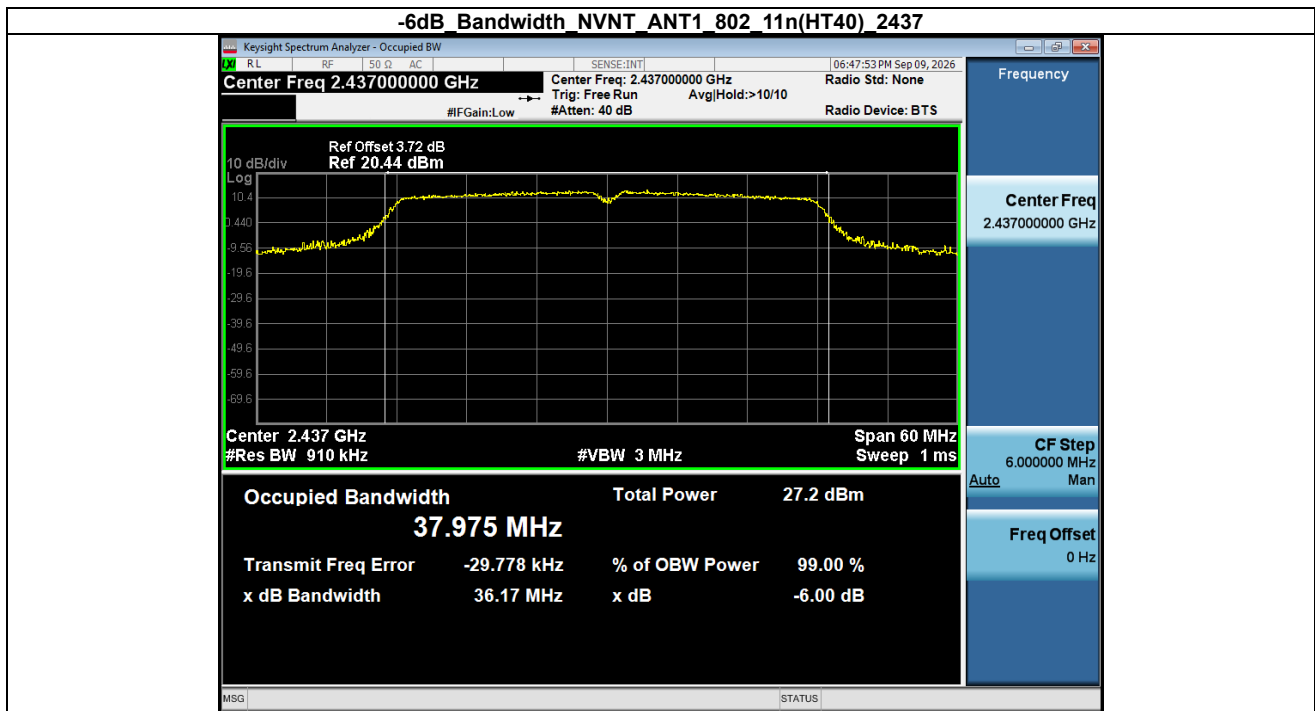
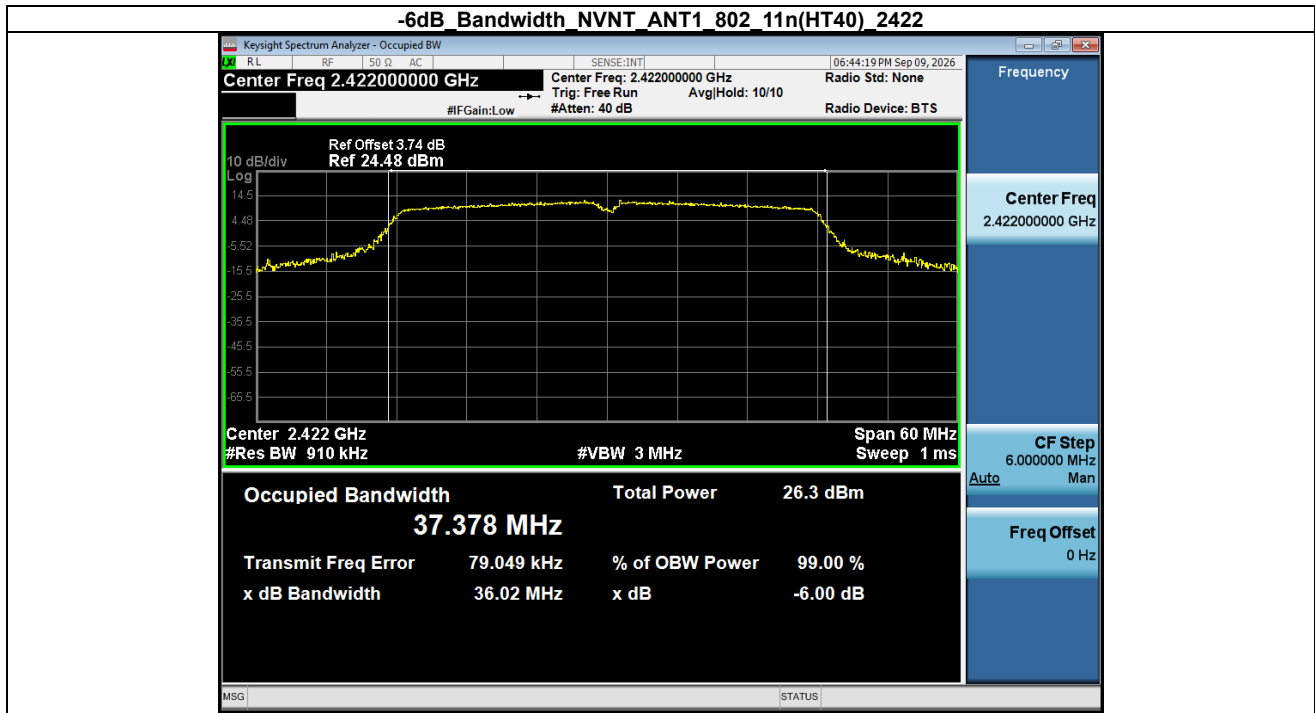


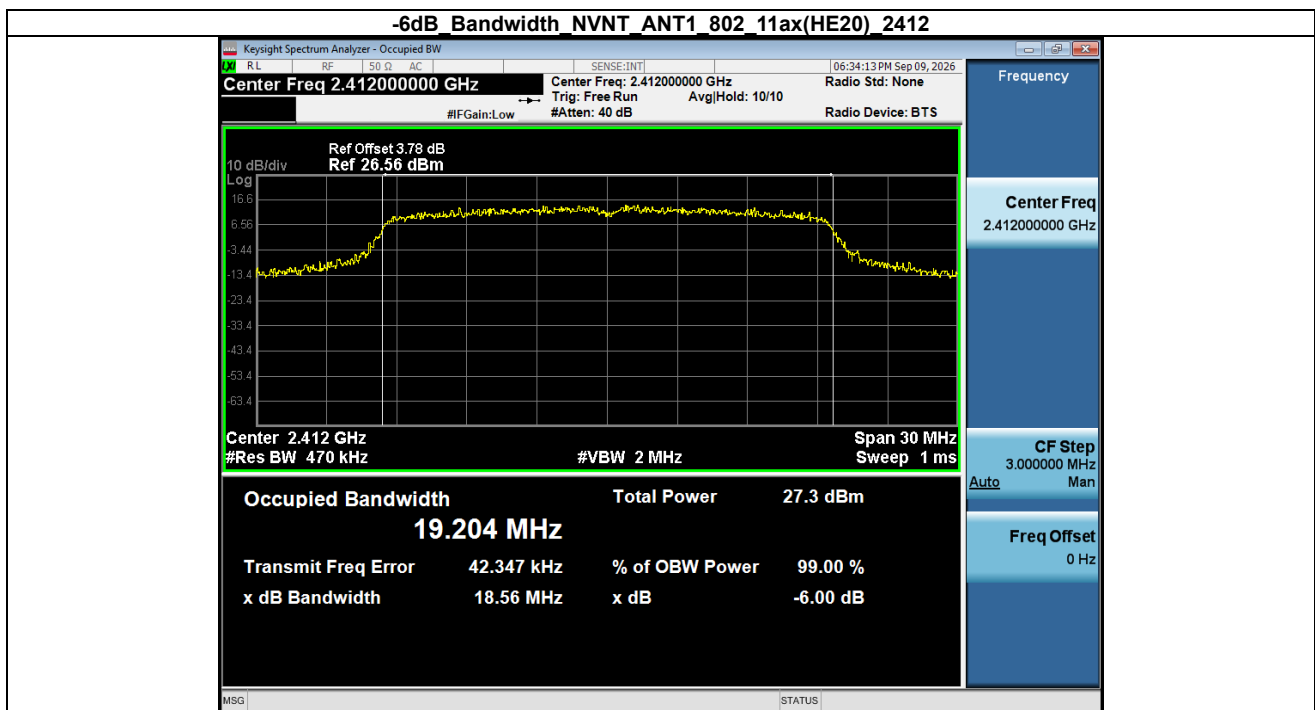
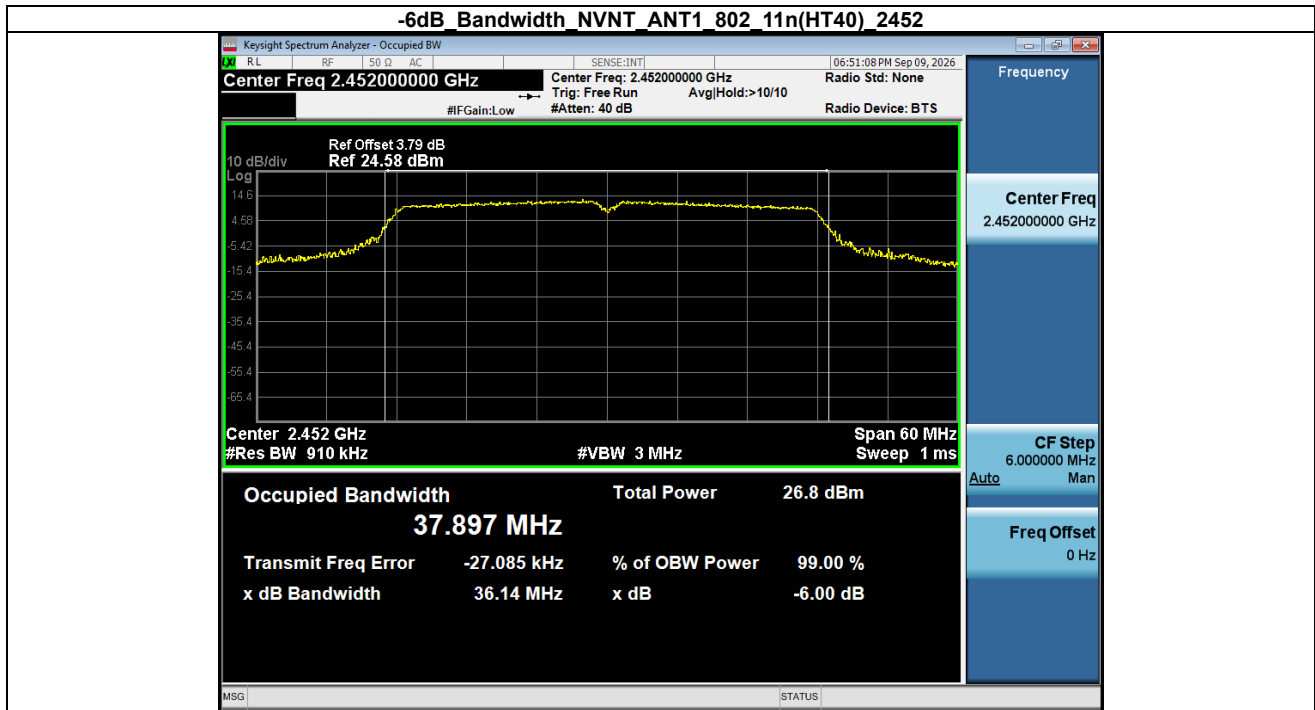


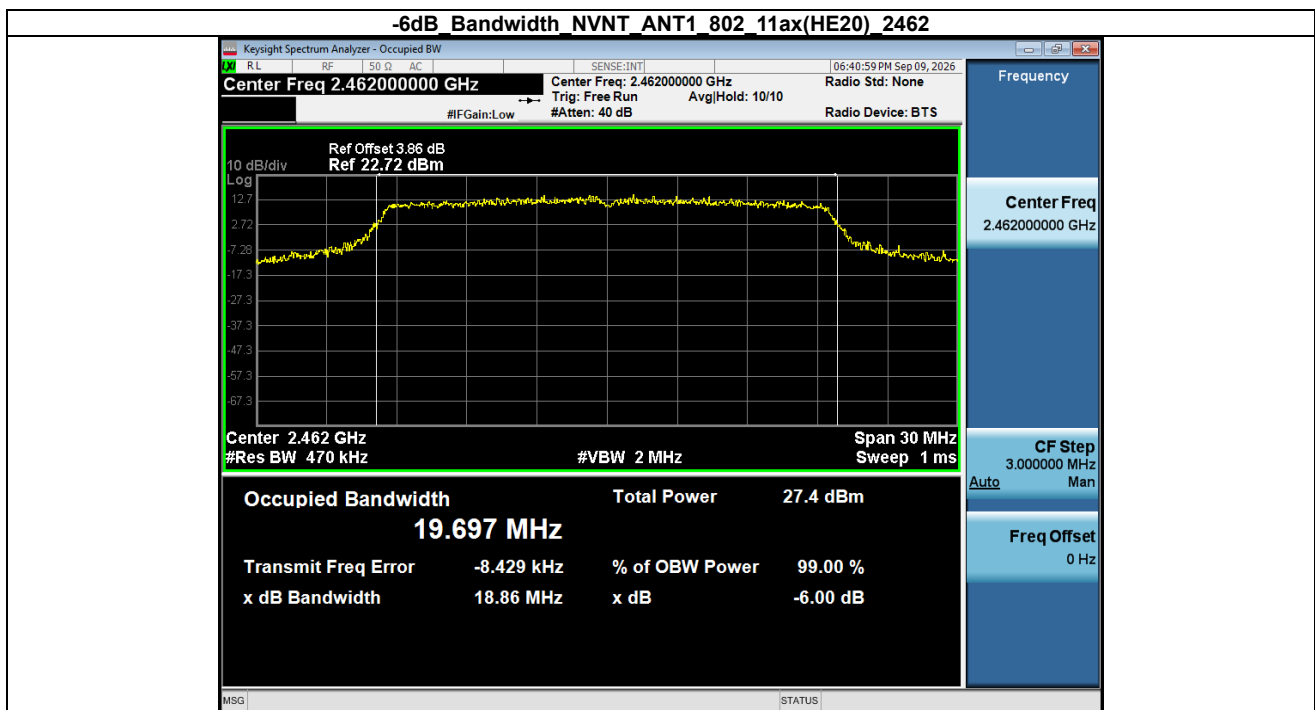
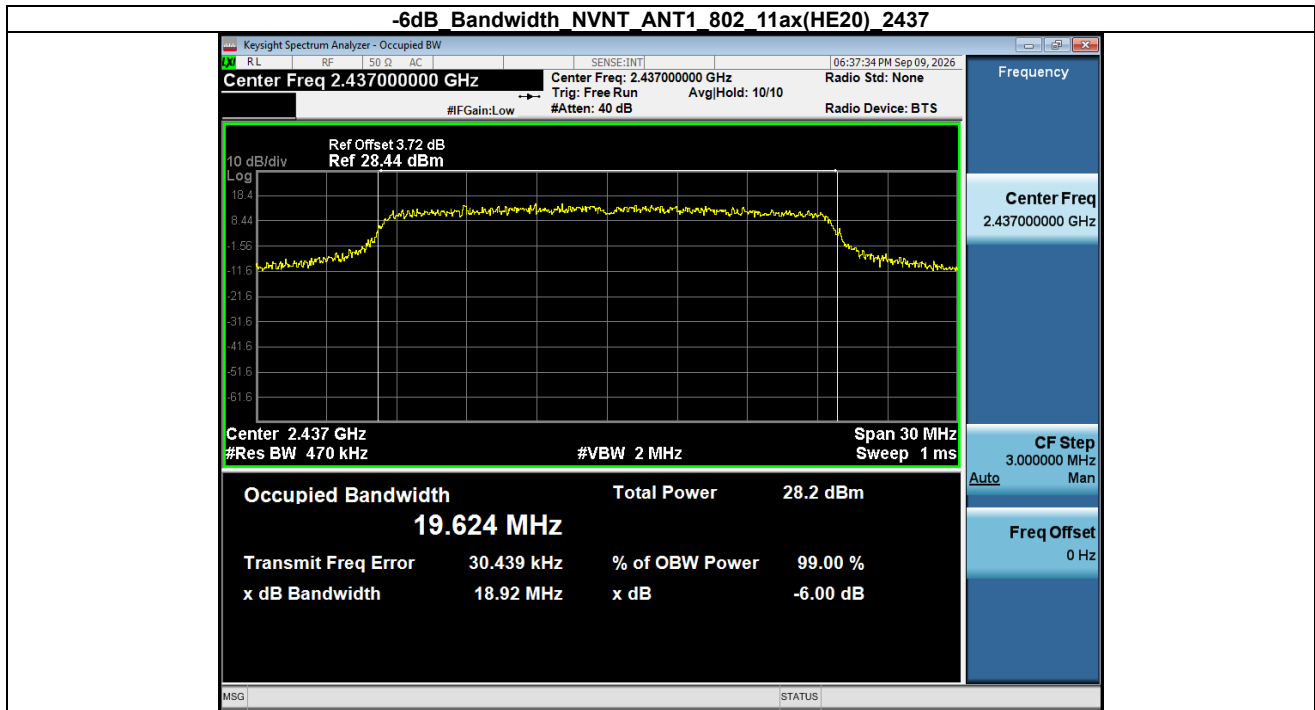


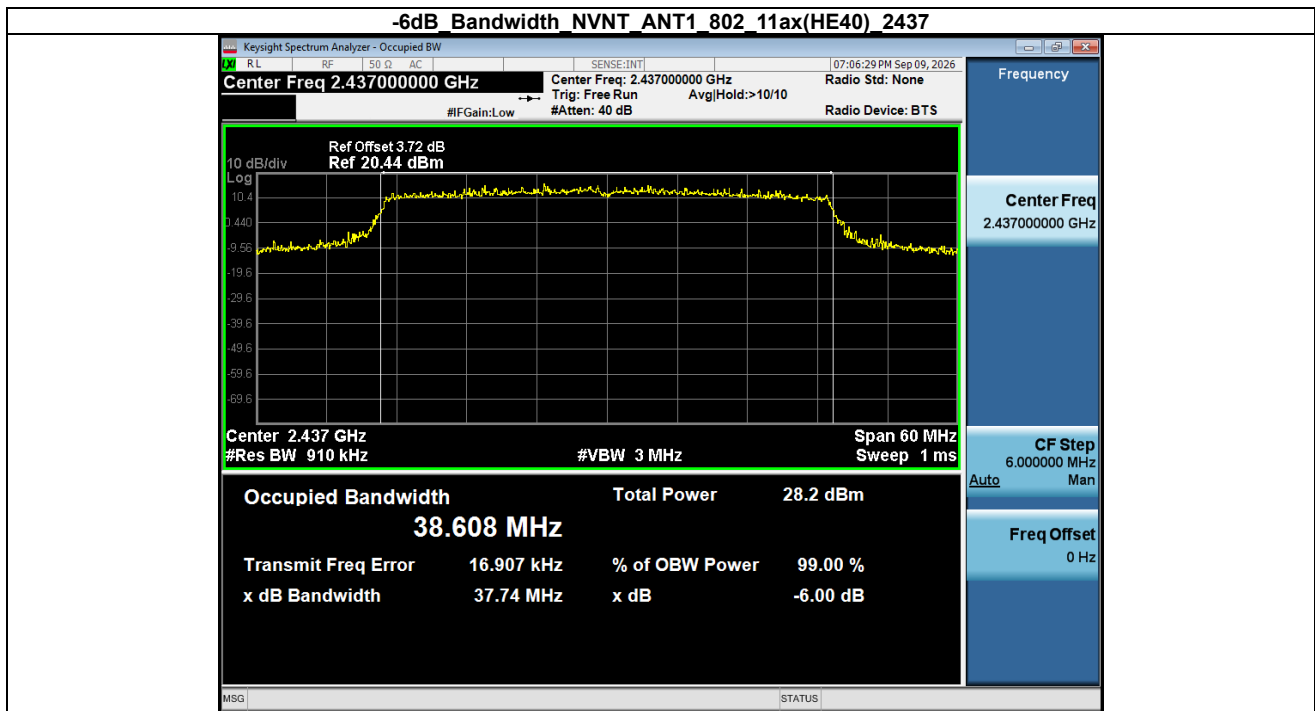
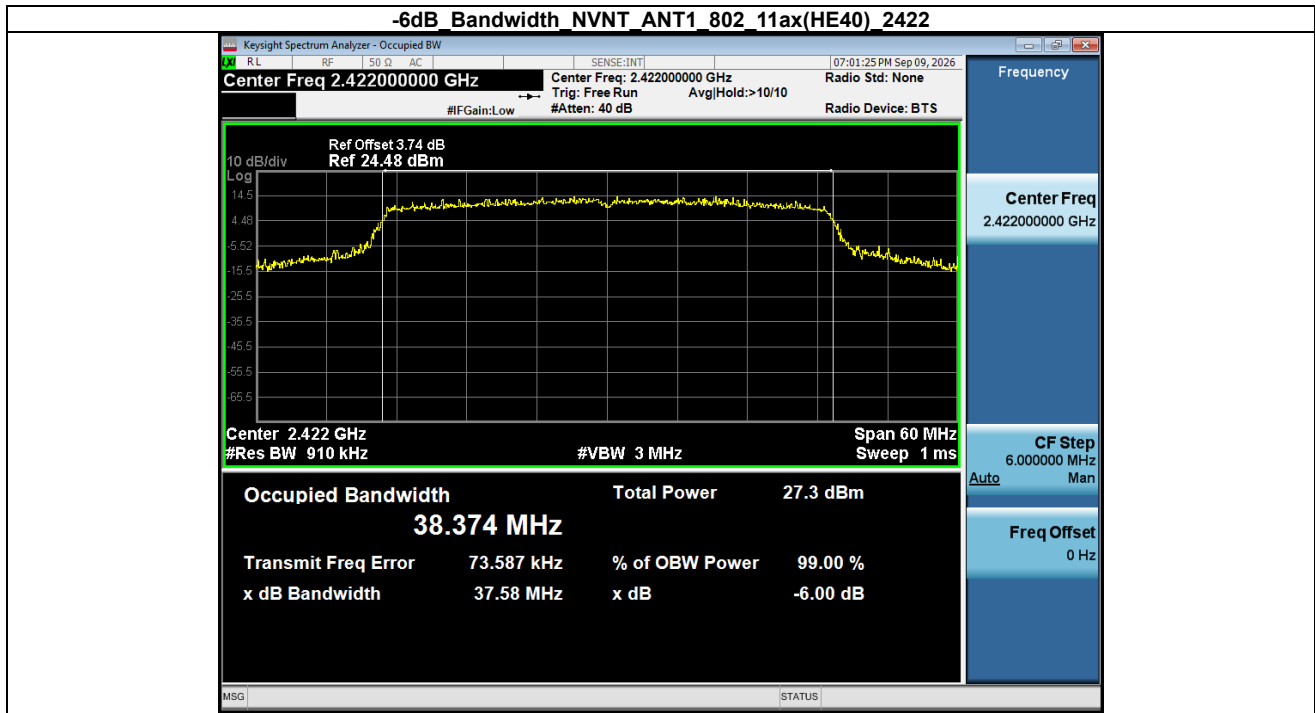


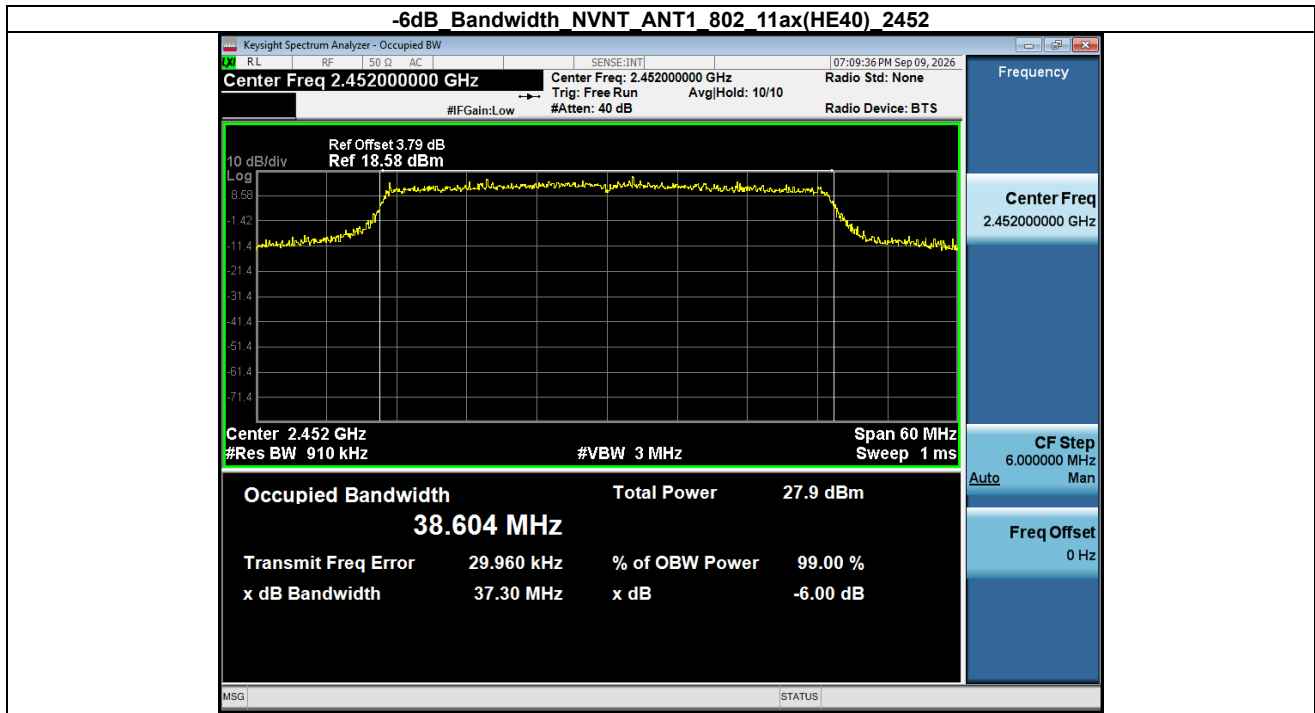






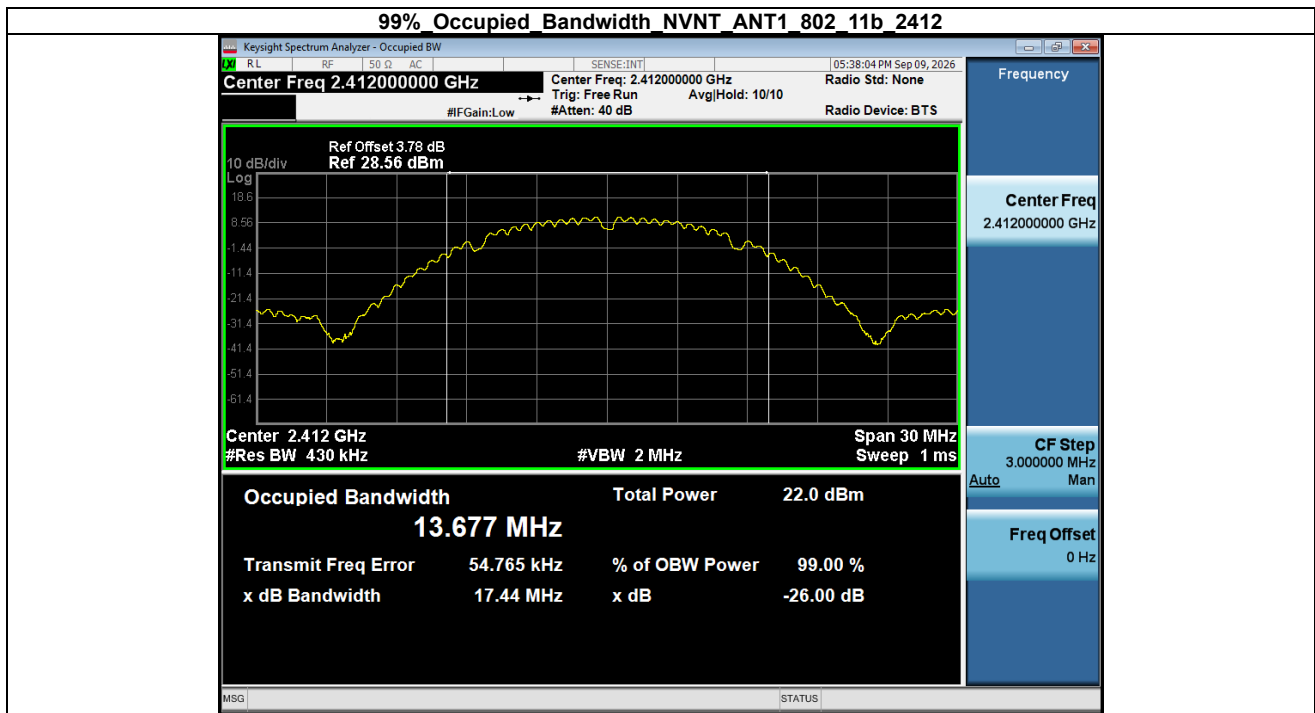


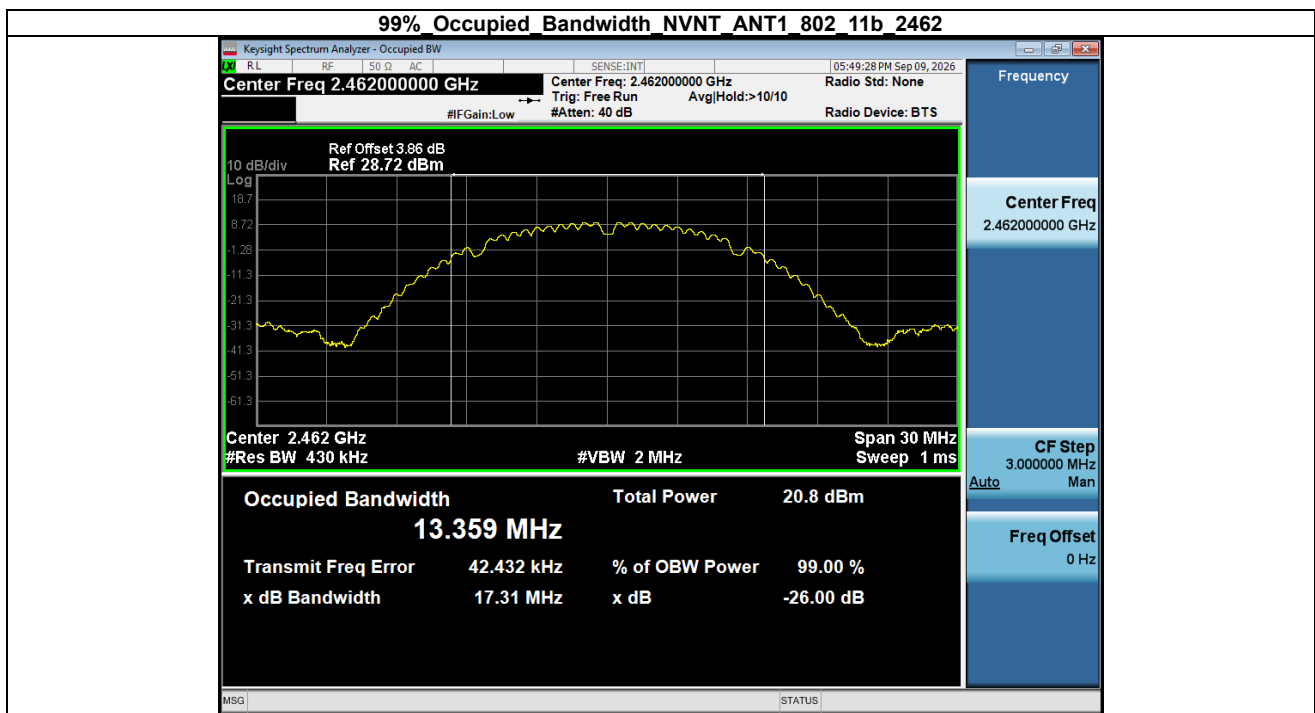
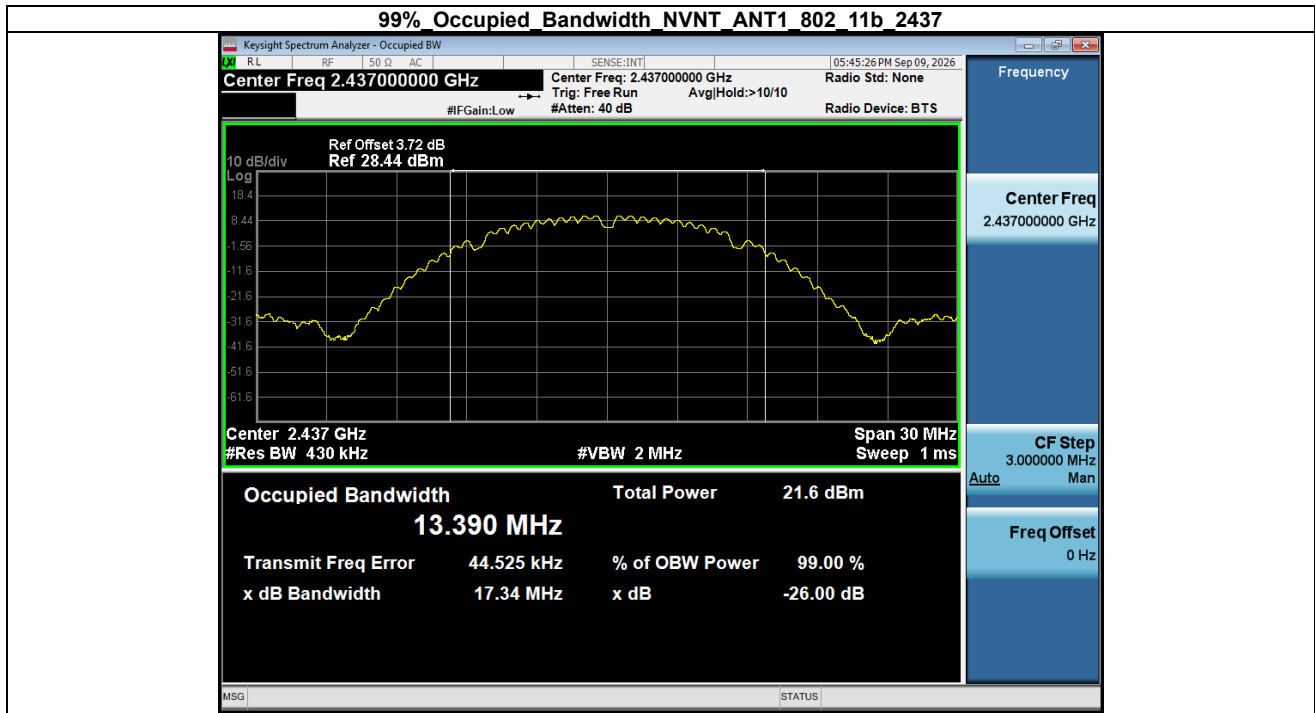


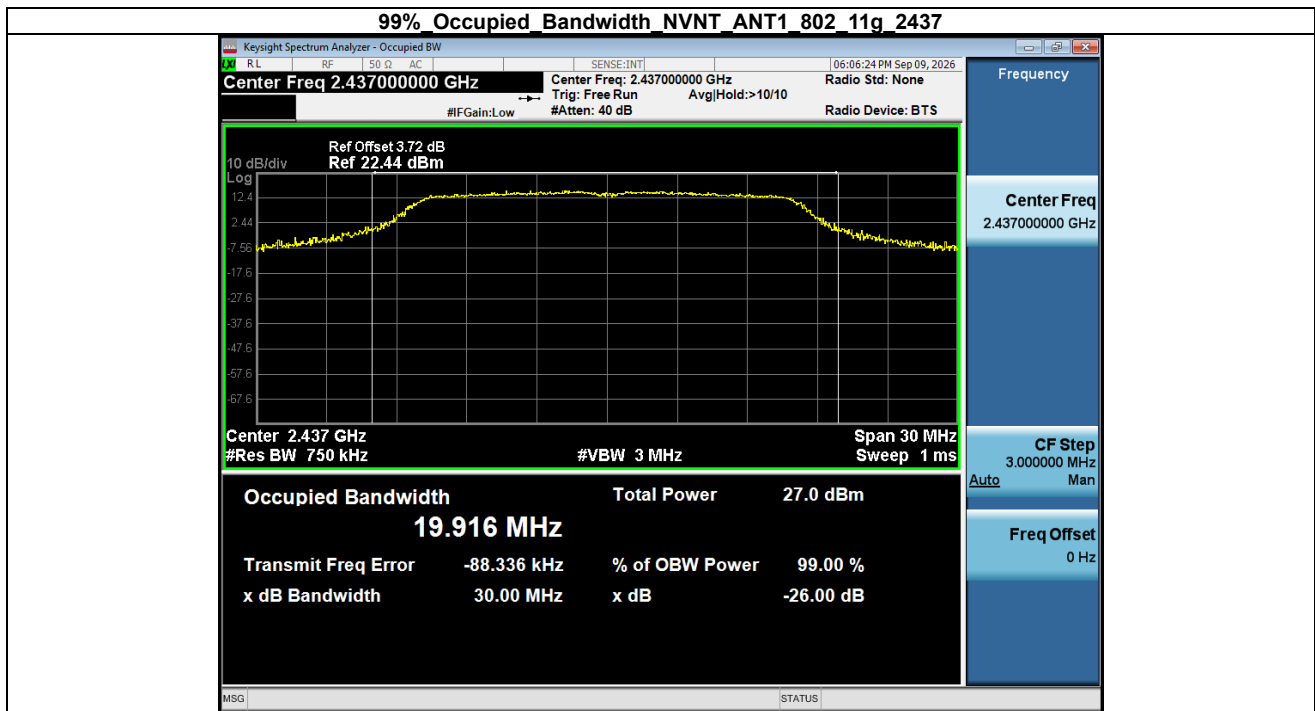
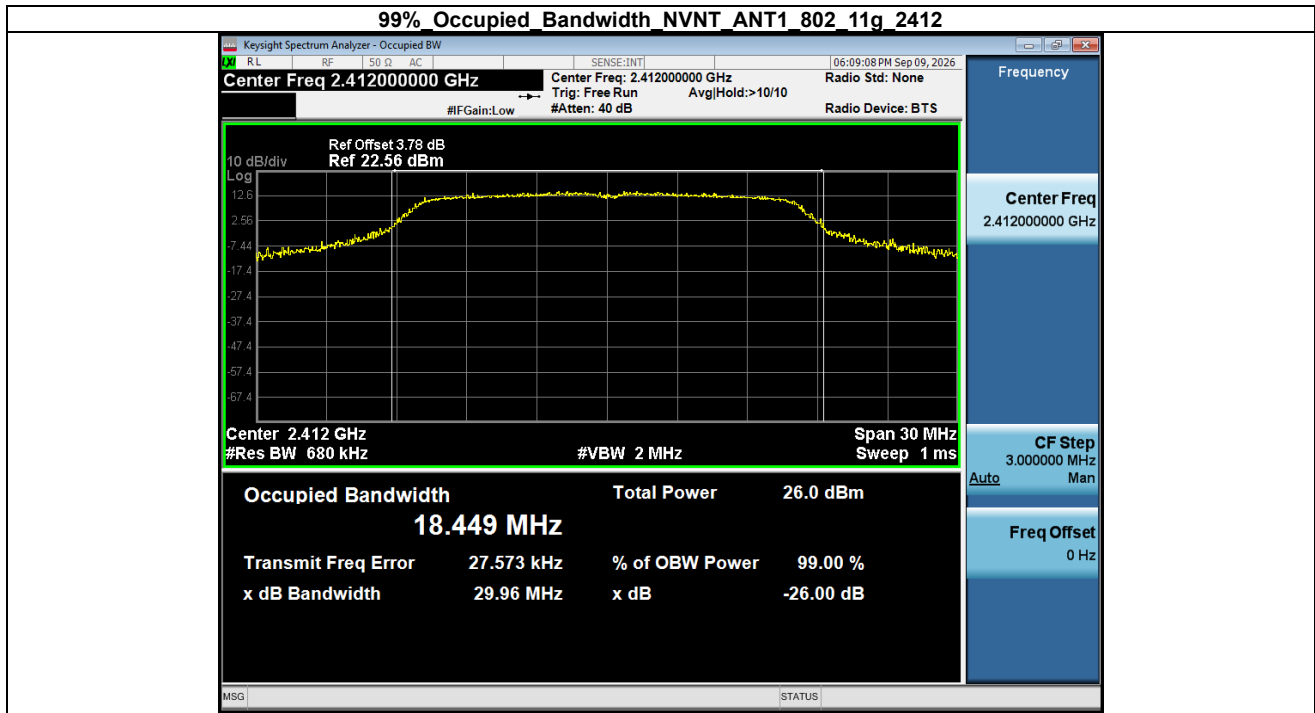


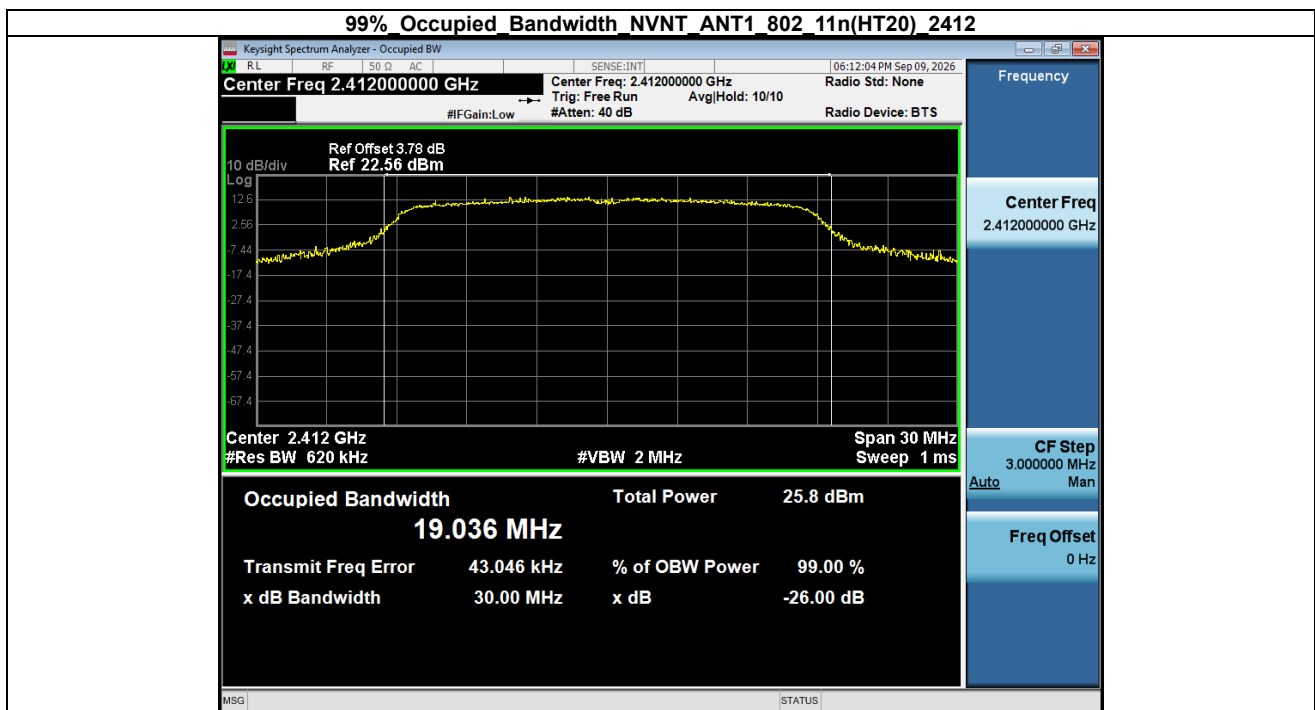
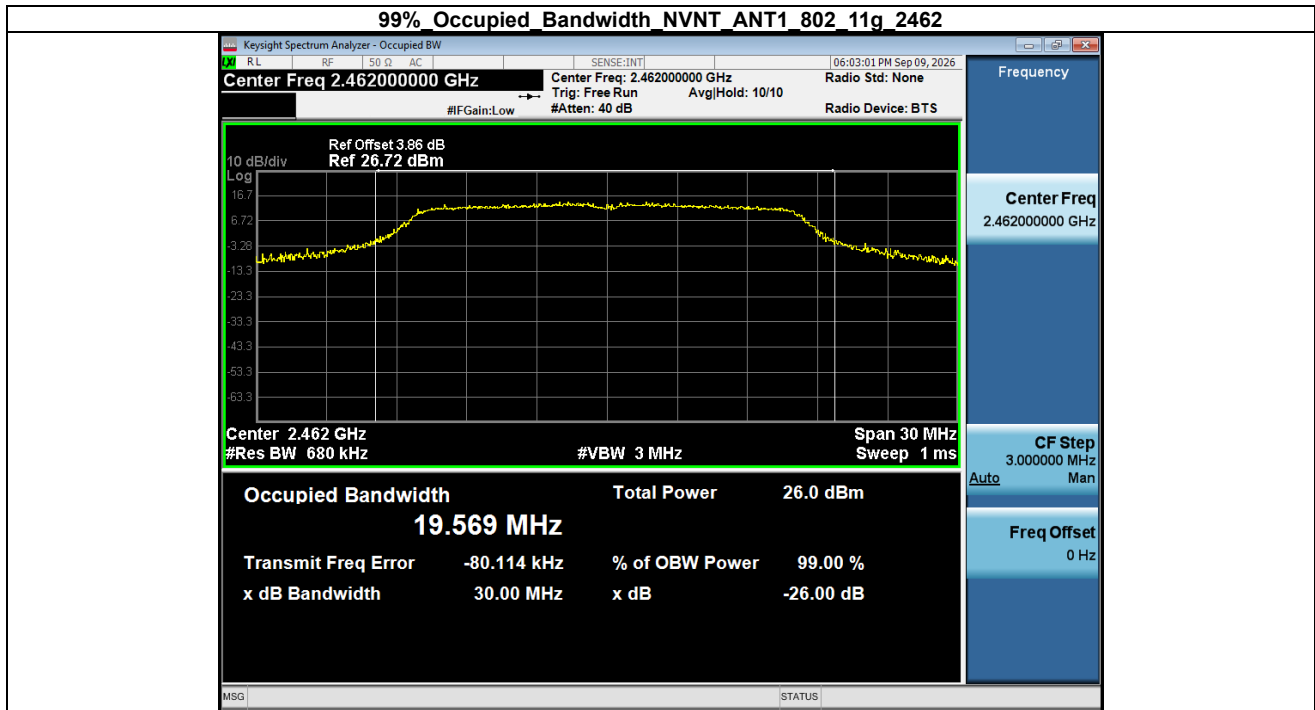
2. 99% Occupied Bandwidth

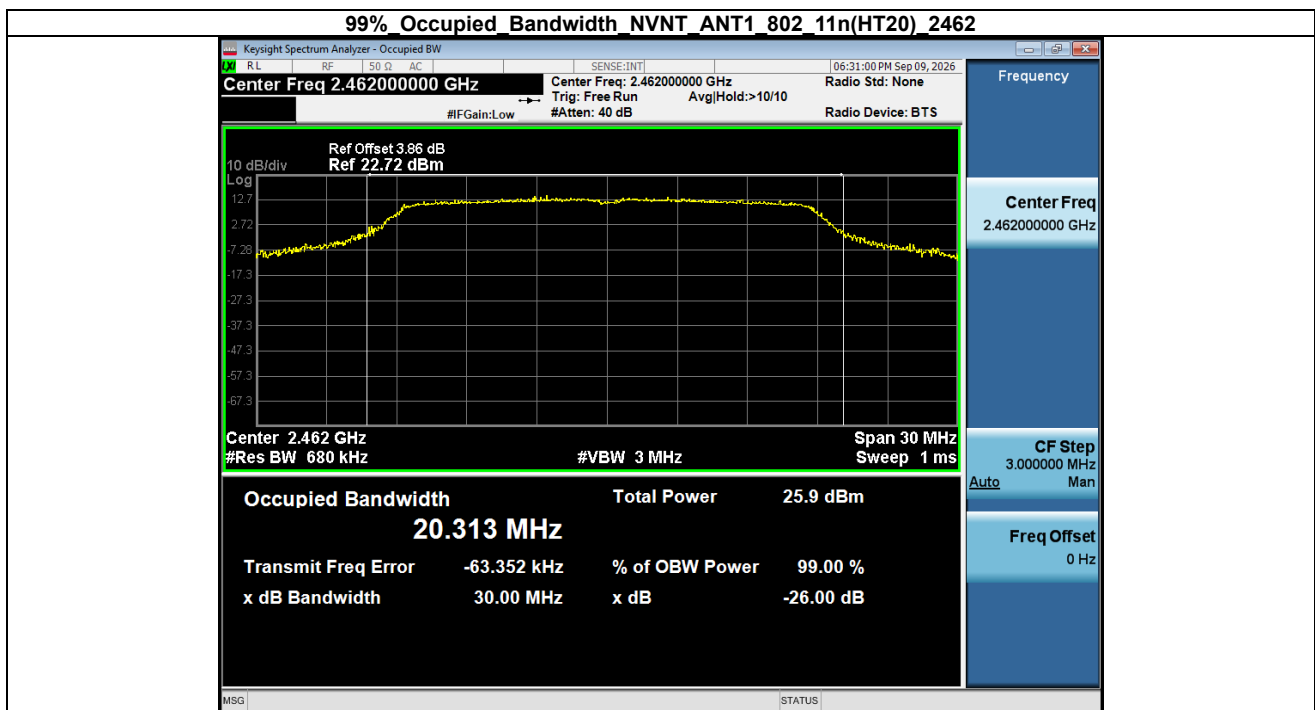
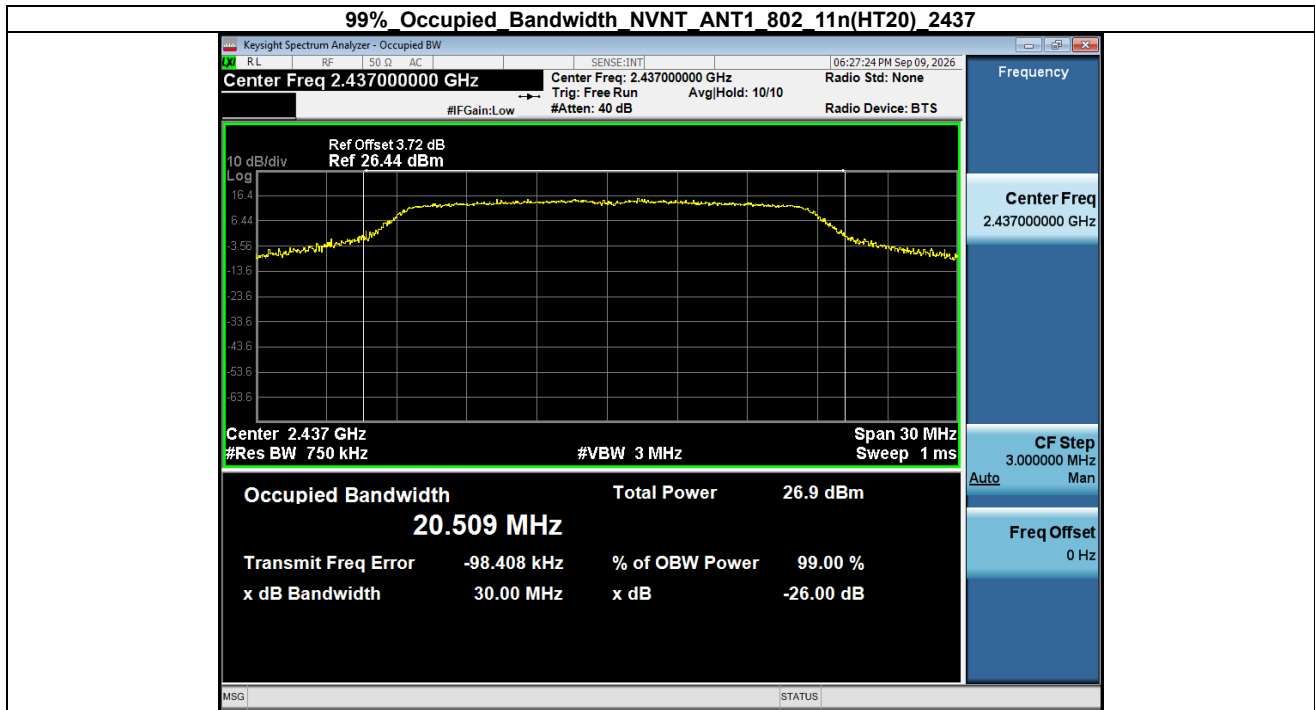
Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	802.11b	2412.00	13.677
NVNT	ANT1	802.11b	2437.00	13.390
NVNT	ANT1	802.11b	2462.00	13.359
NVNT	ANT1	802.11g	2412.00	18.449
NVNT	ANT1	802.11g	2437.00	19.916
NVNT	ANT1	802.11g	2462.00	19.569
NVNT	ANT1	802.11n(HT20)	2412.00	19.036
NVNT	ANT1	802.11n(HT20)	2437.00	20.509
NVNT	ANT1	802.11n(HT20)	2462.00	20.313
NVNT	ANT1	802.11n(HT40)	2422.00	37.548
NVNT	ANT1	802.11n(HT40)	2437.00	38.515
NVNT	ANT1	802.11n(HT40)	2452.00	38.355
NVNT	ANT1	802.11ax(HE20)	2412.00	19.414
NVNT	ANT1	802.11ax(HE20)	2437.00	20.281
NVNT	ANT1	802.11ax(HE20)	2462.00	20.229
NVNT	ANT1	802.11ax(HE40)	2422.00	38.702
NVNT	ANT1	802.11ax(HE40)	2437.00	39.399
NVNT	ANT1	802.11ax(HE40)	2452.00	39.580

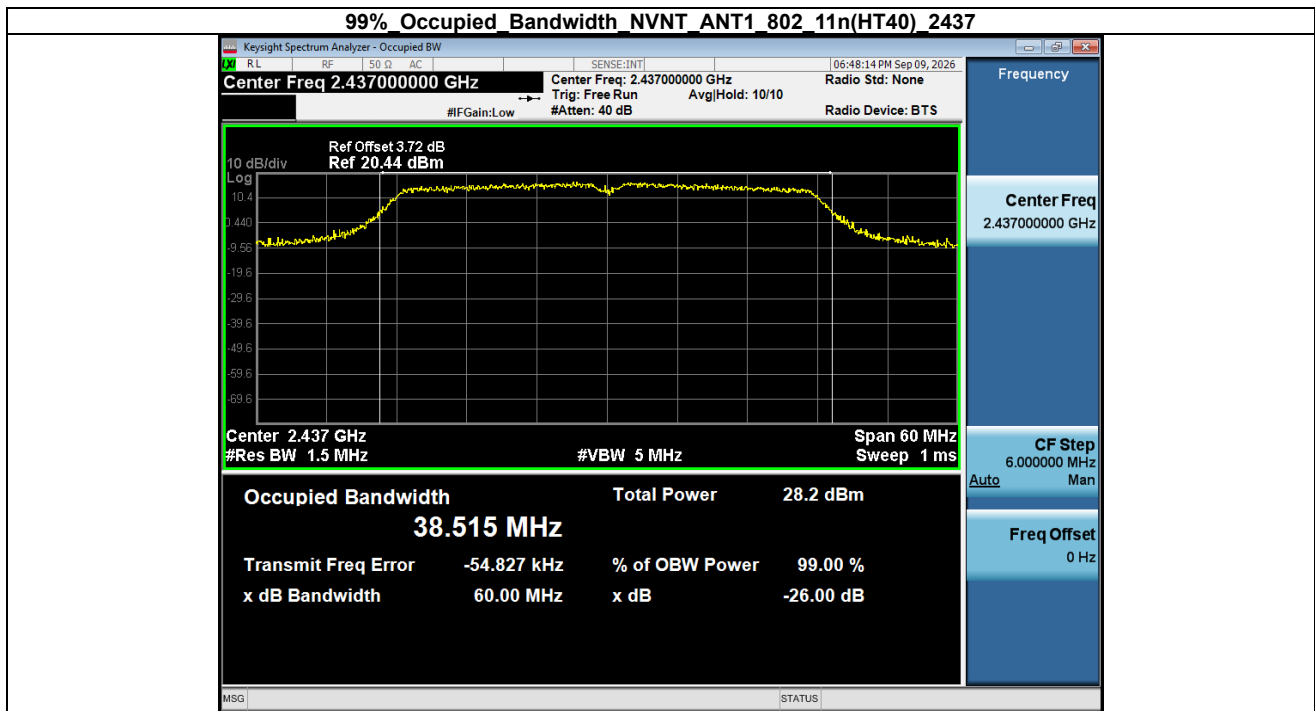
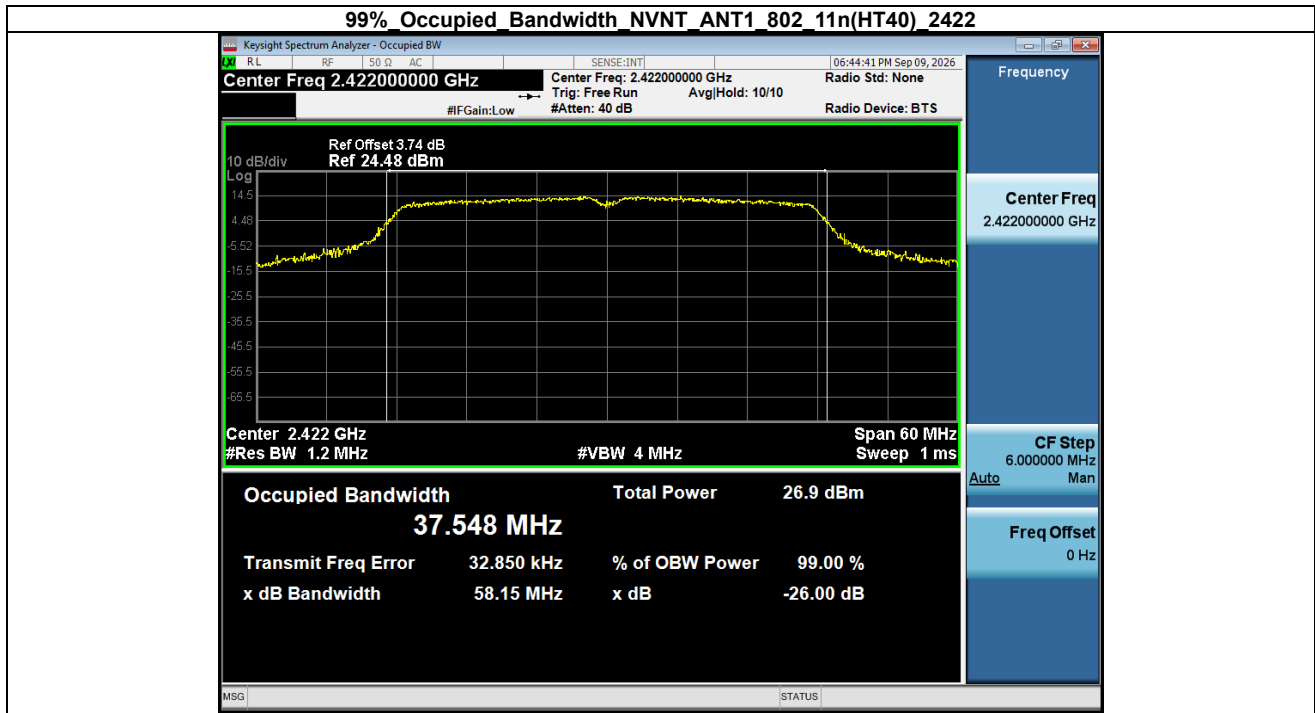


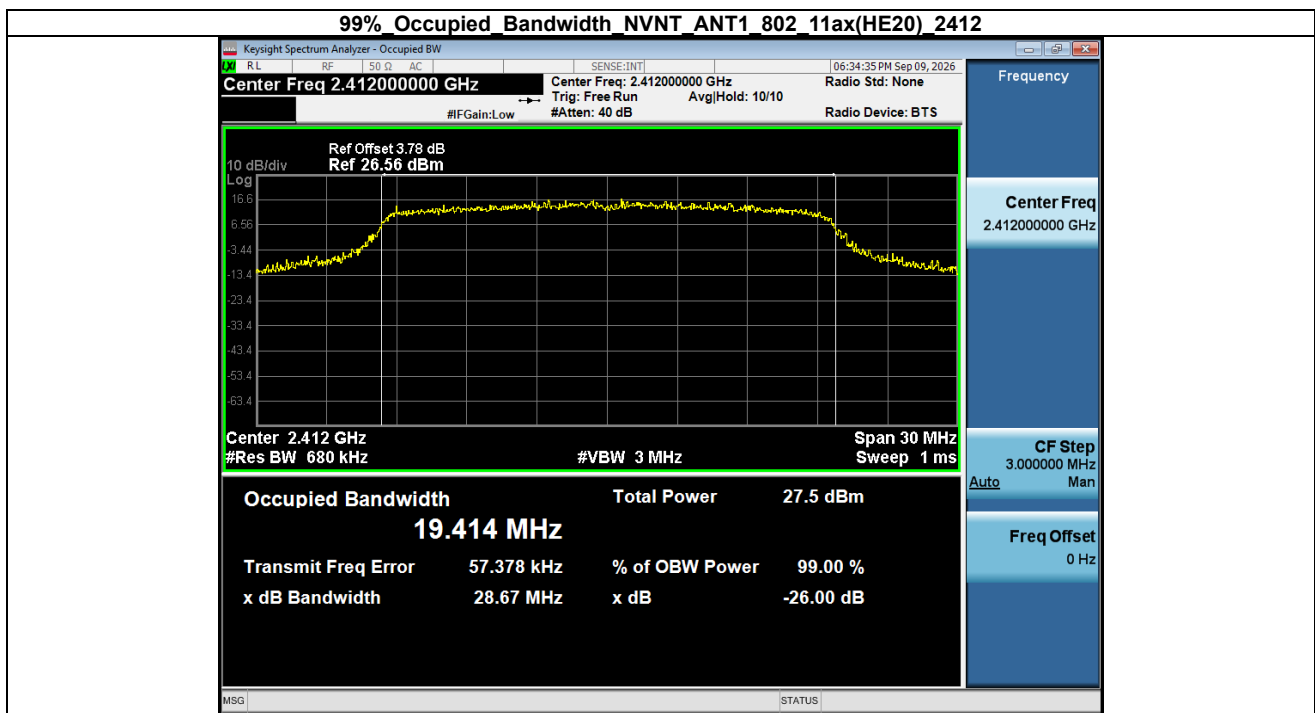
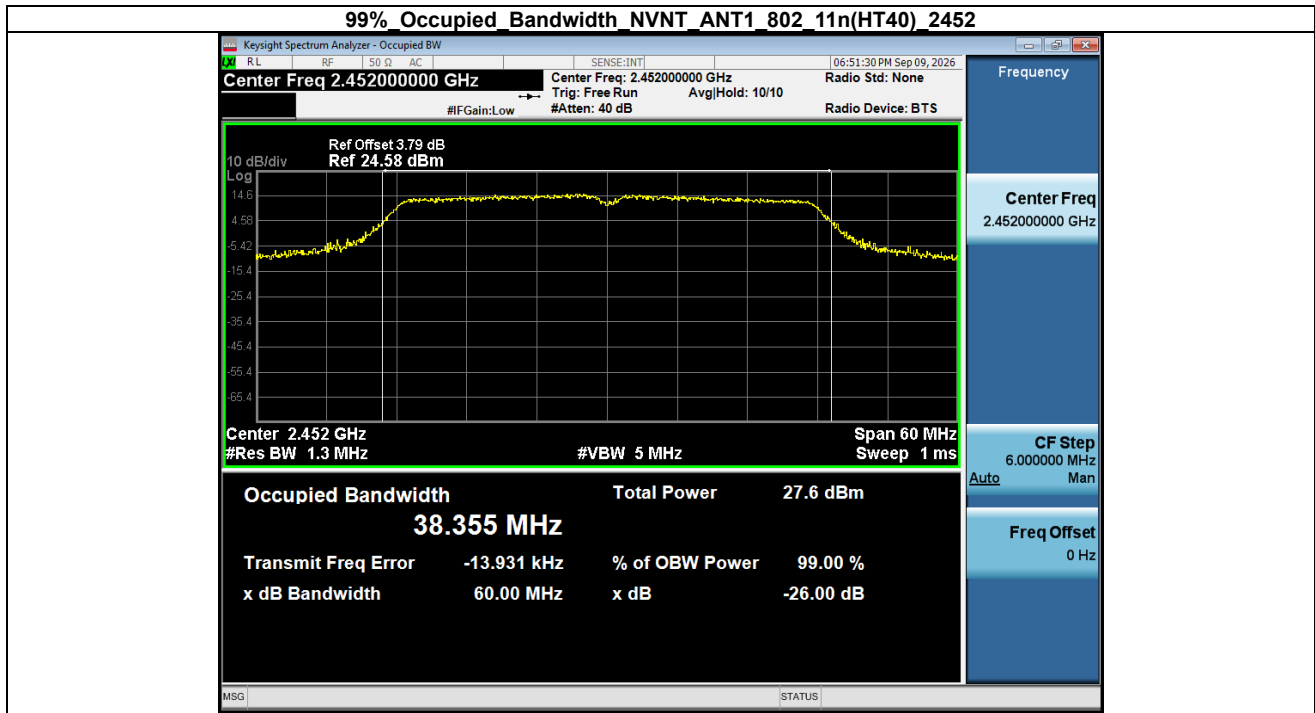


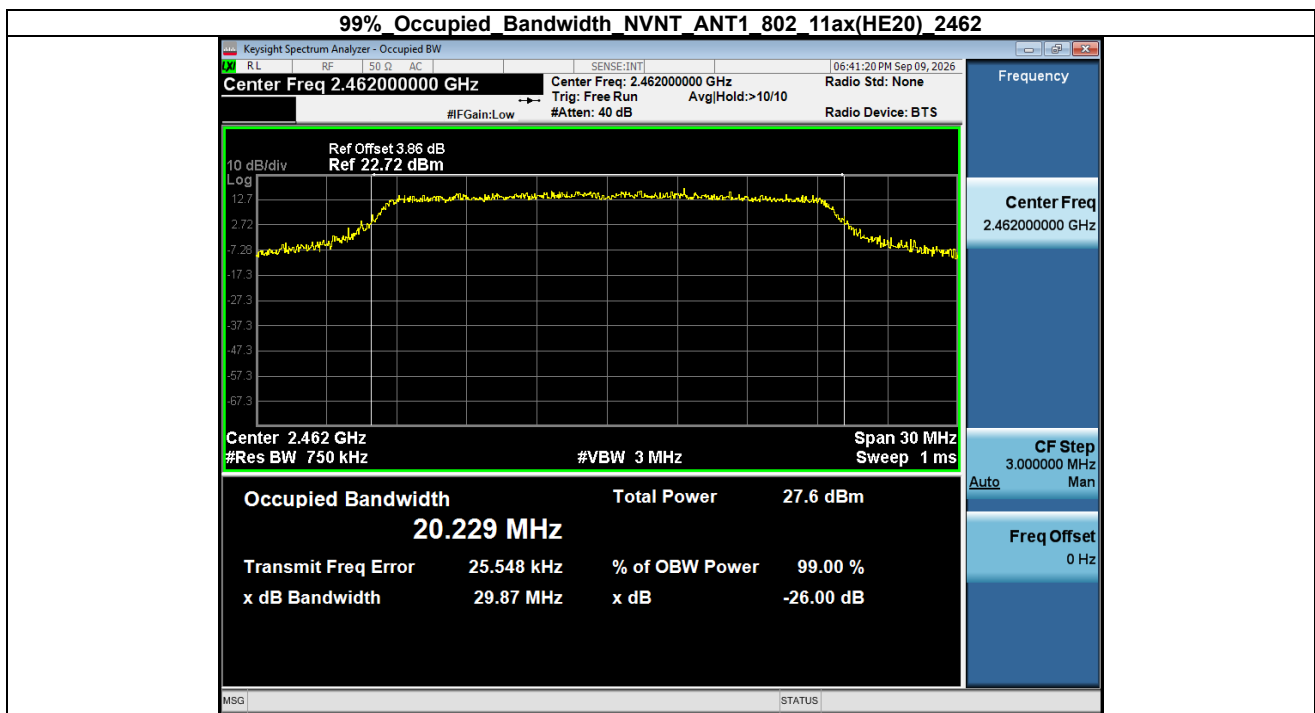
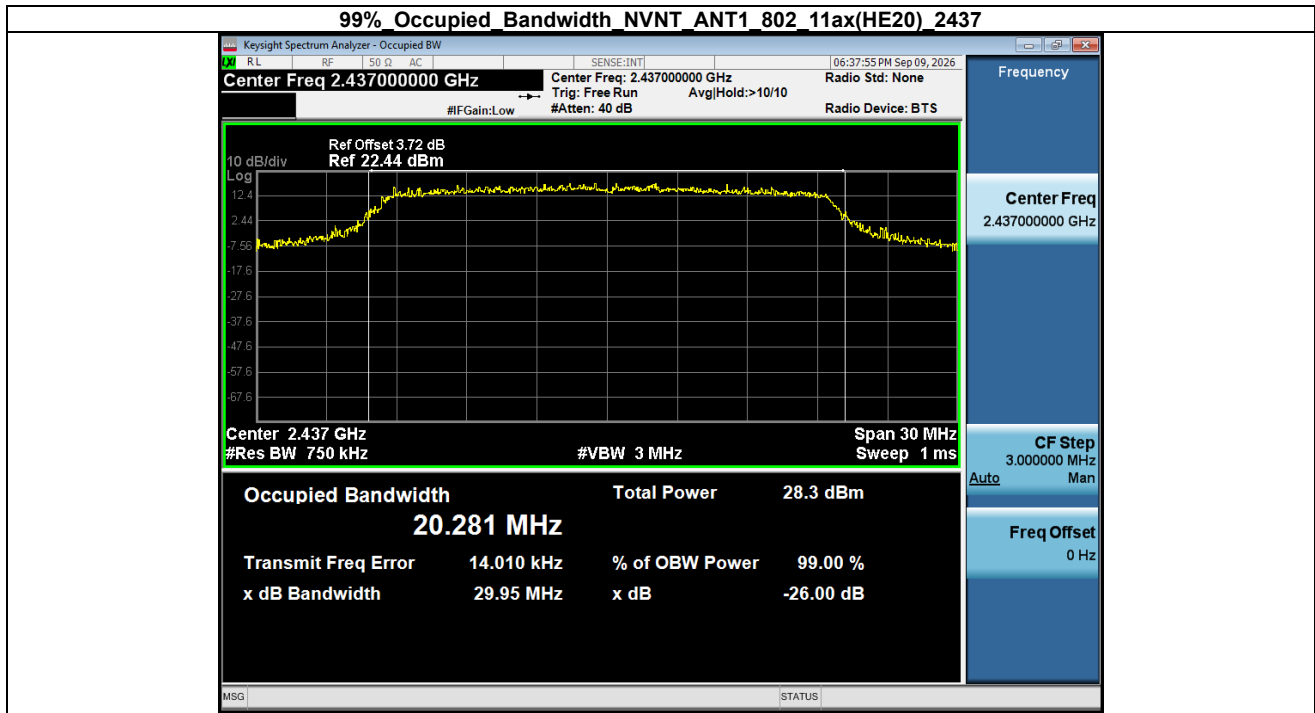


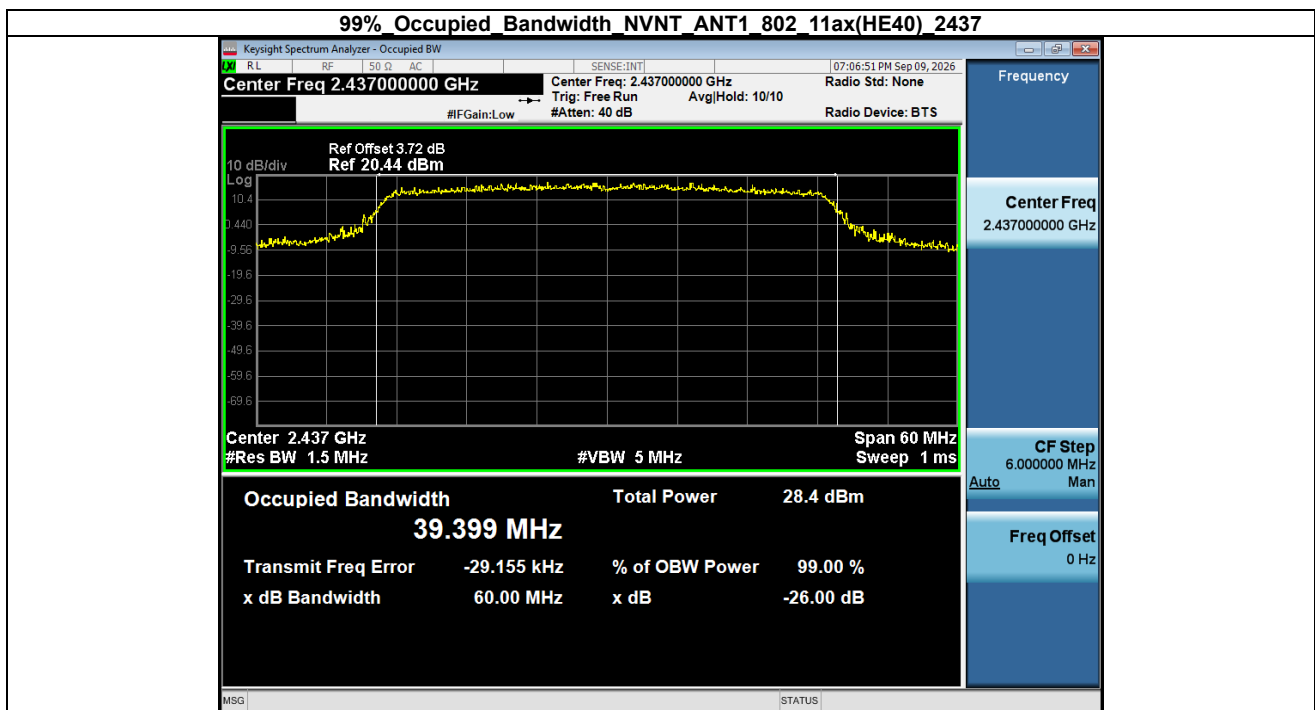
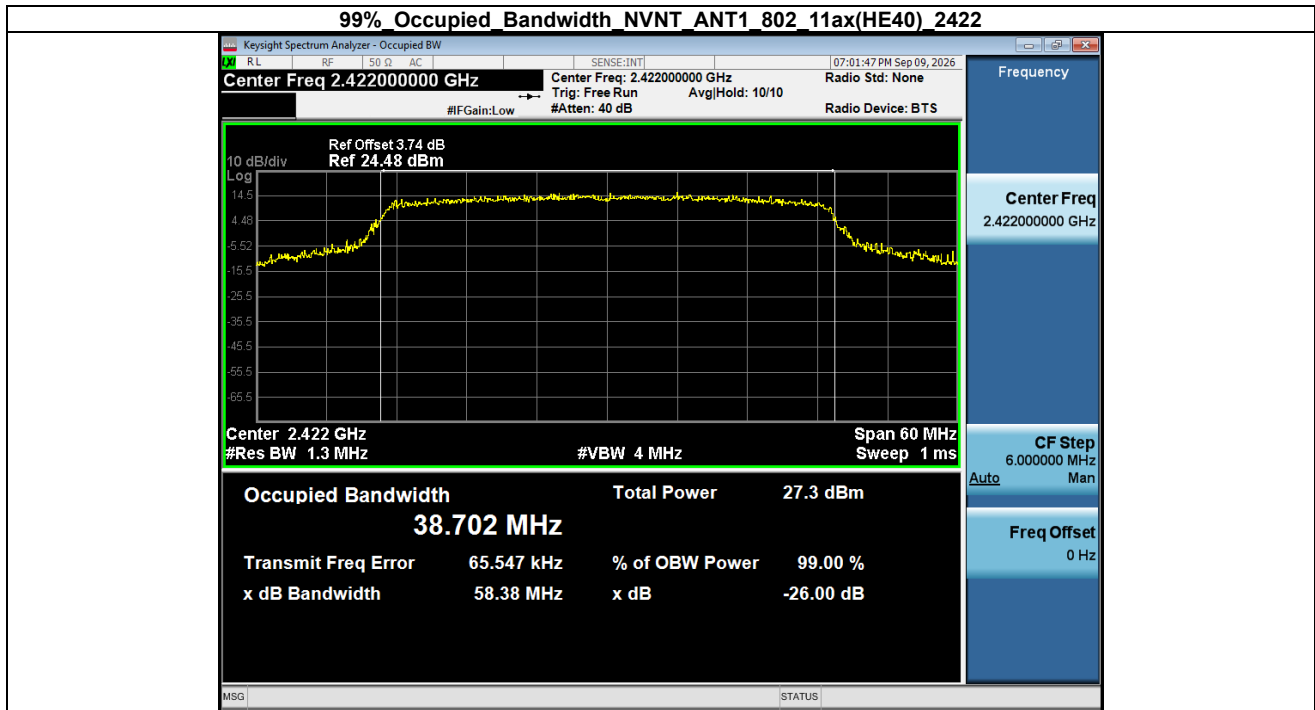


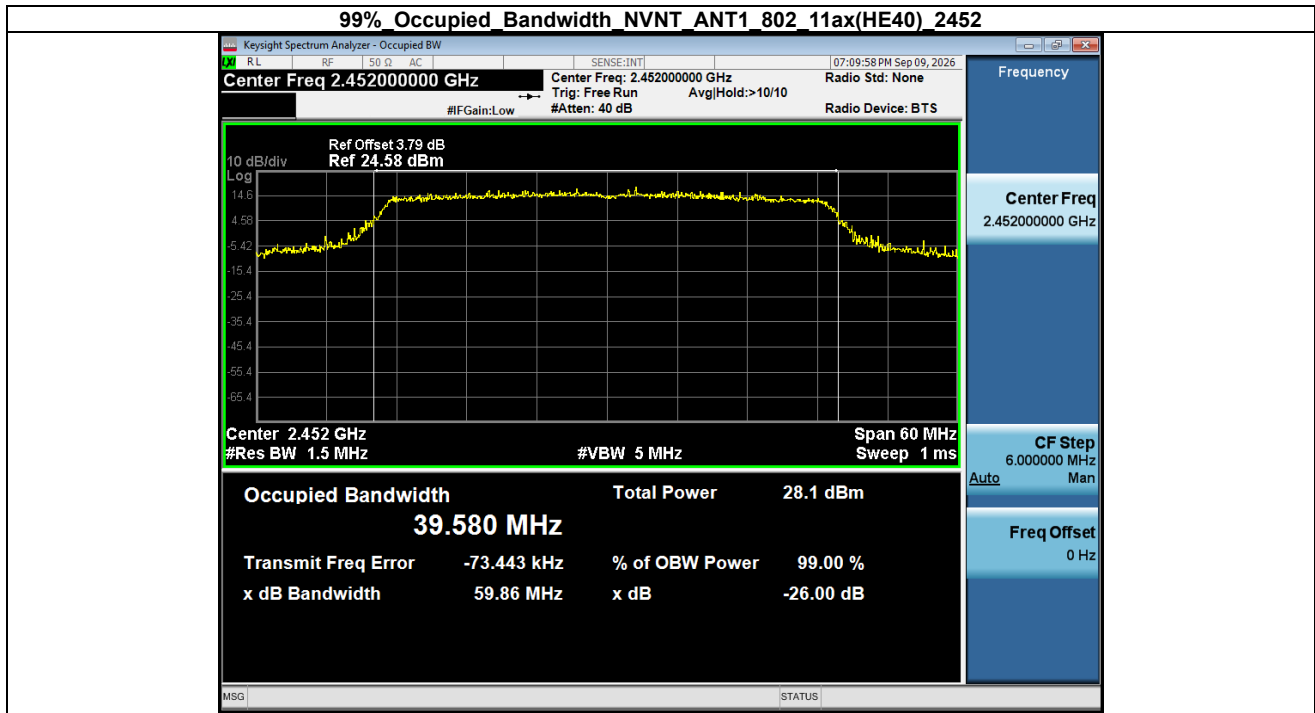






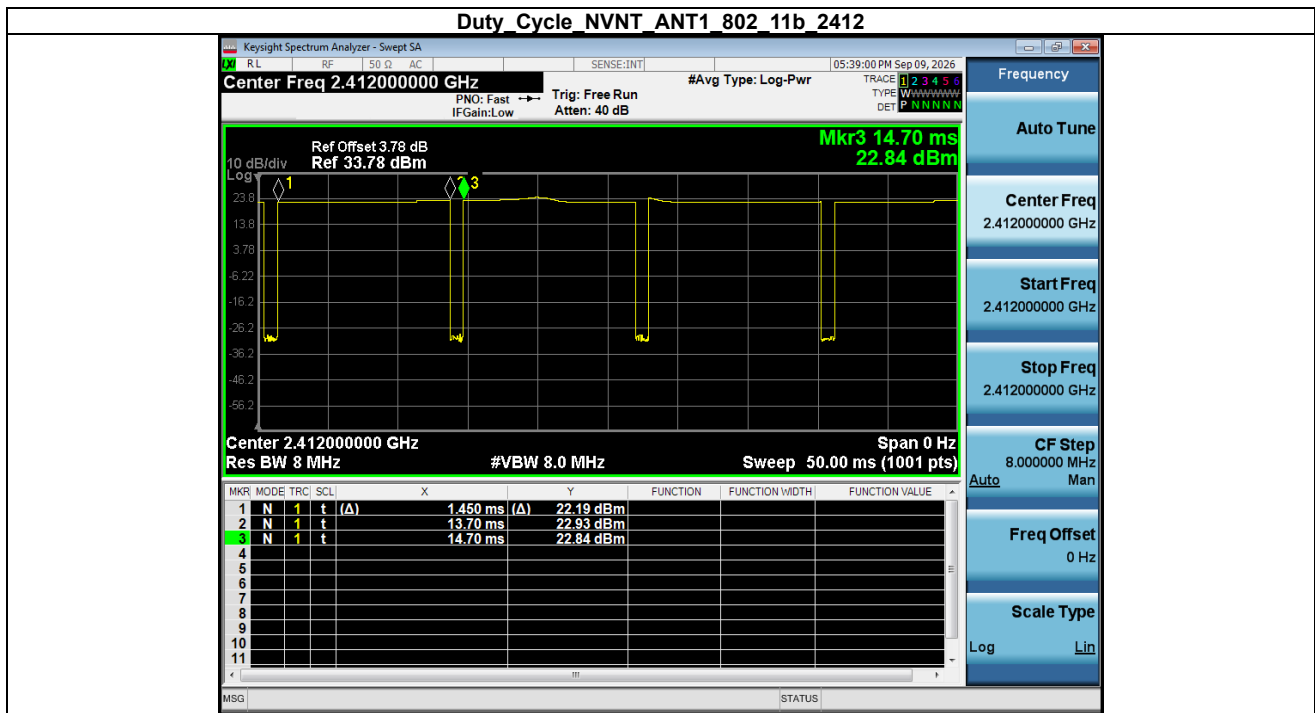


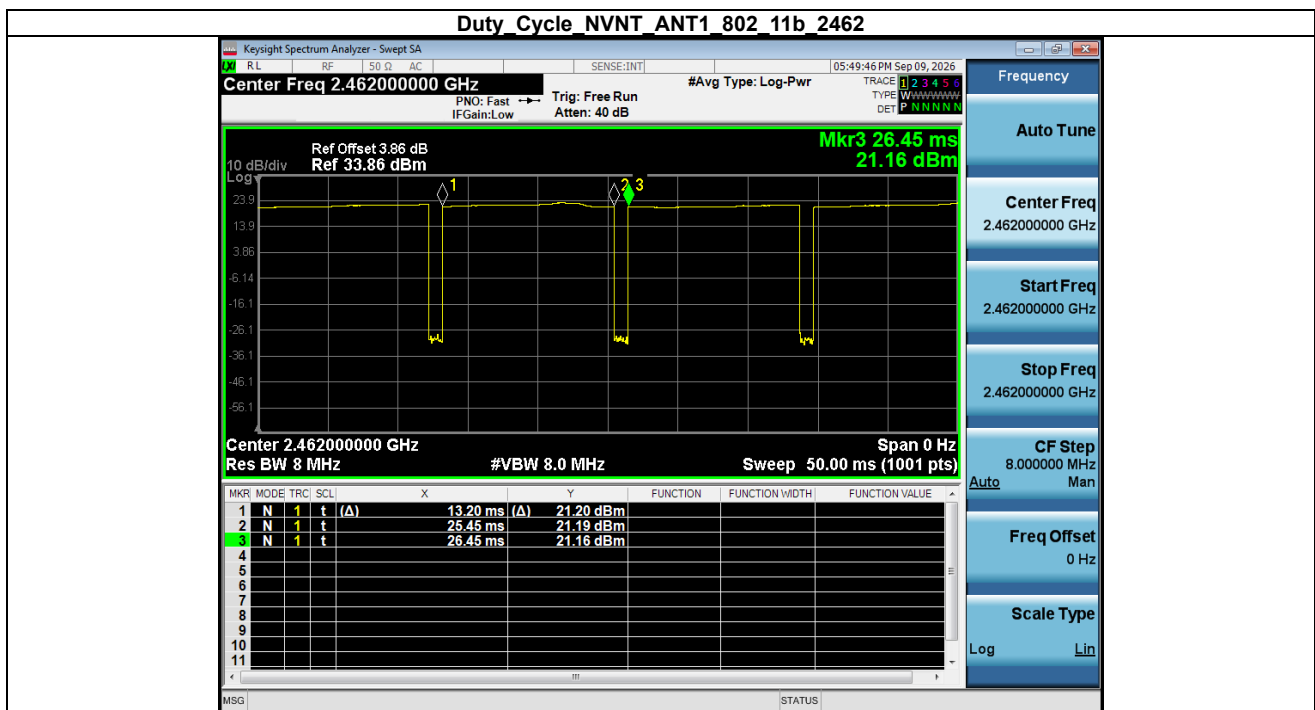
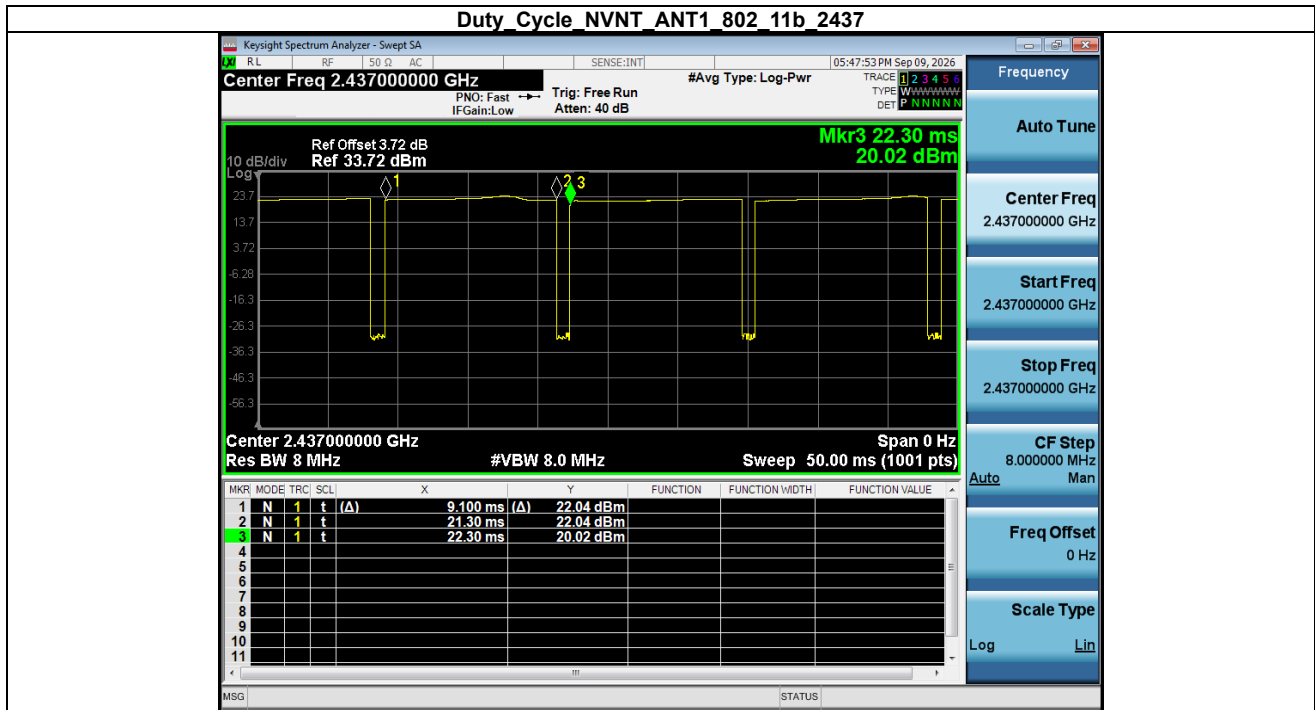


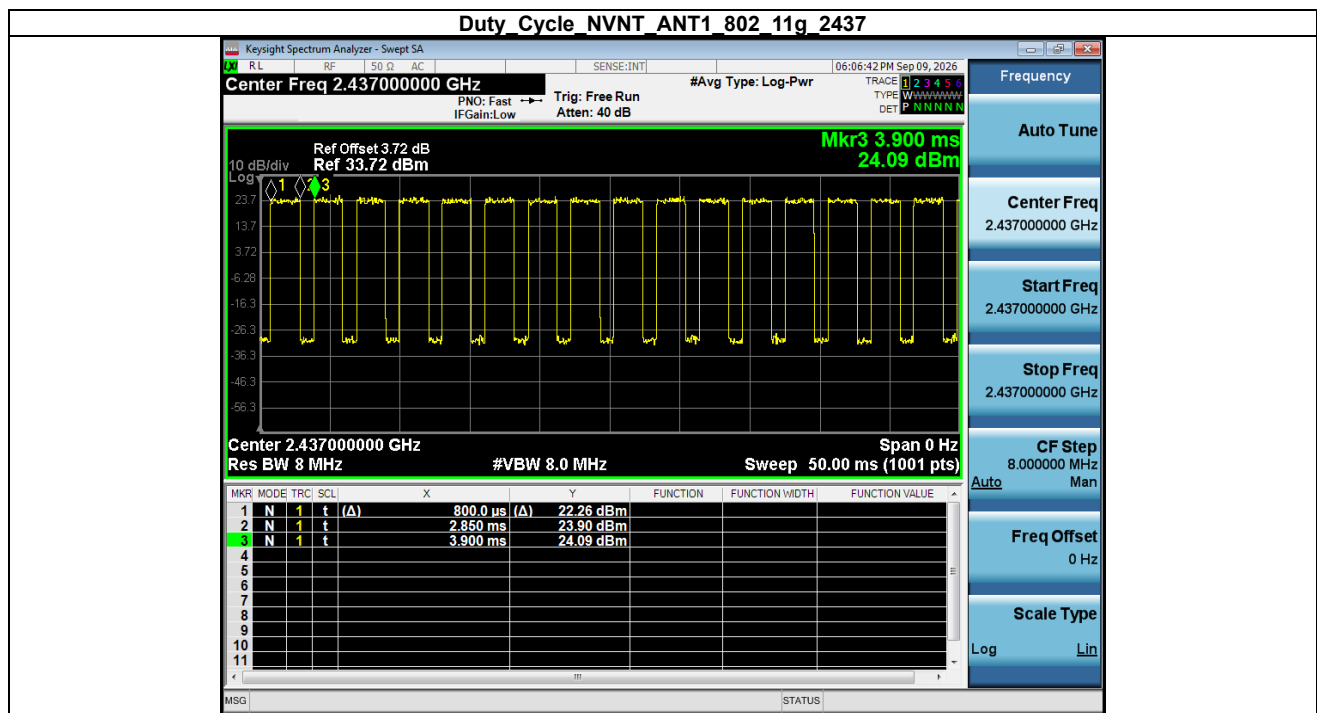
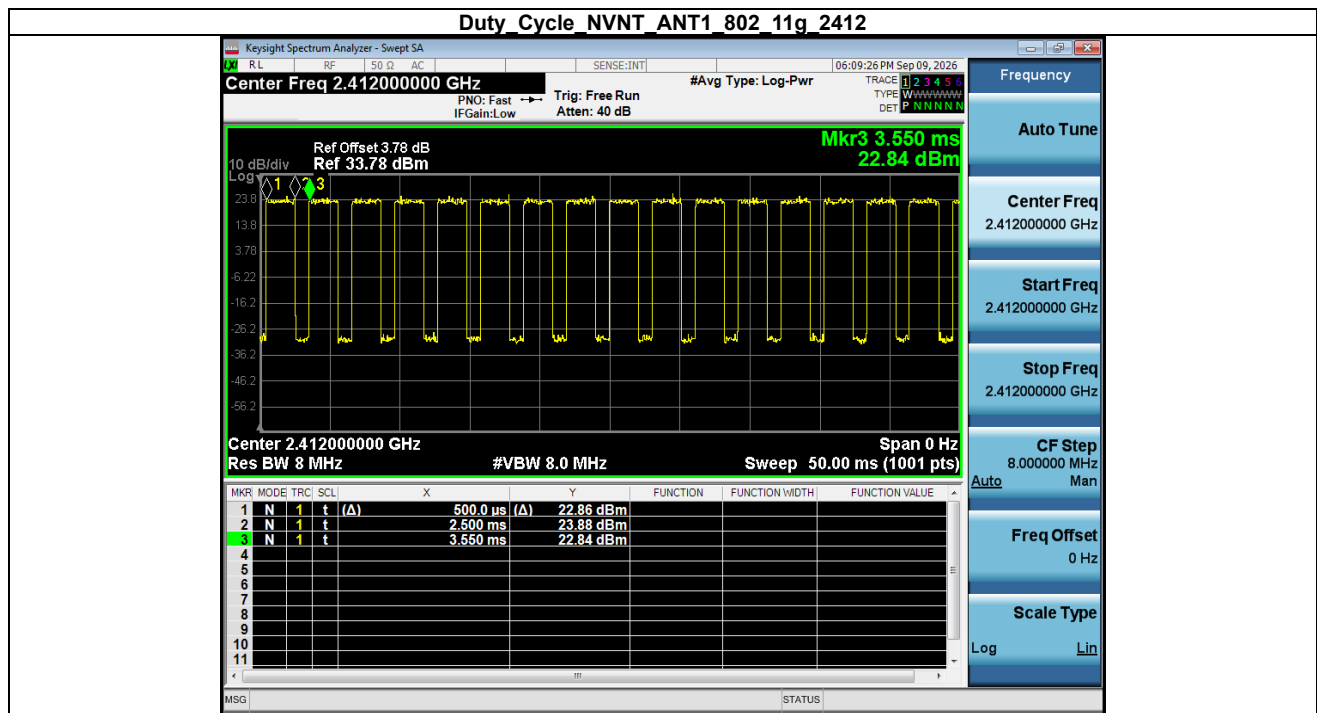


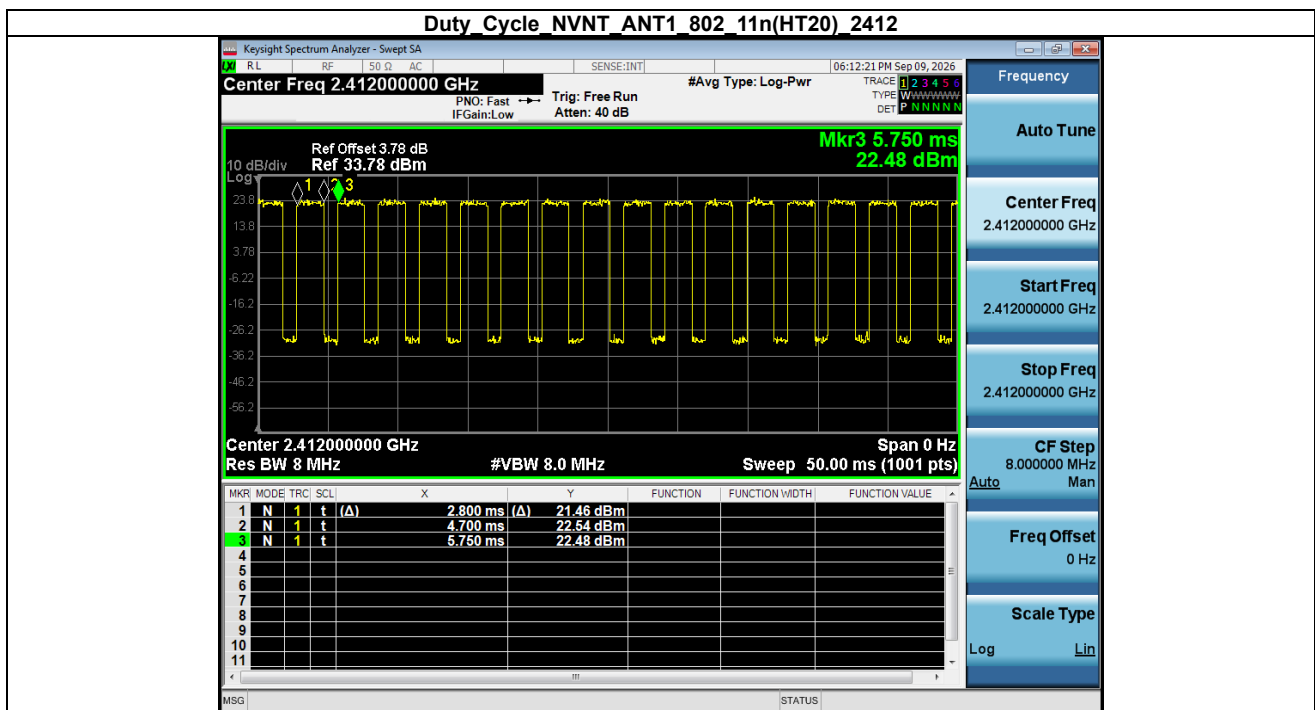
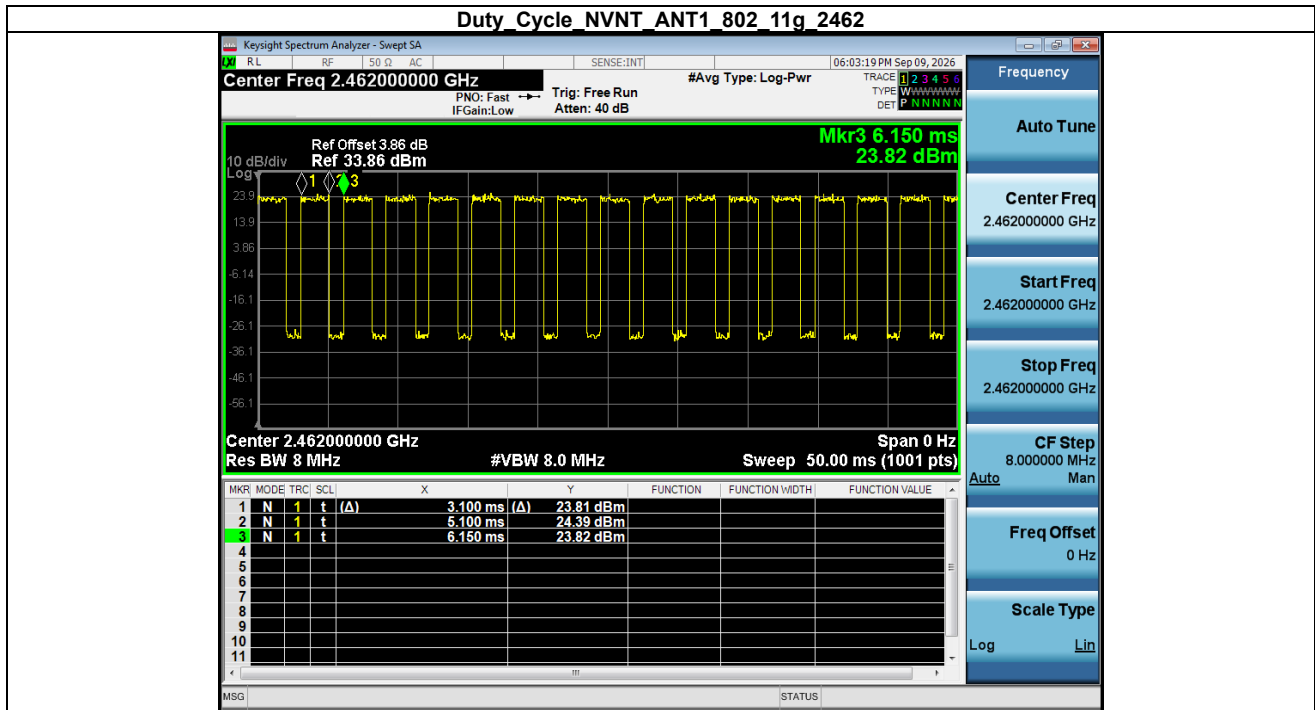
3. Duty Cycle

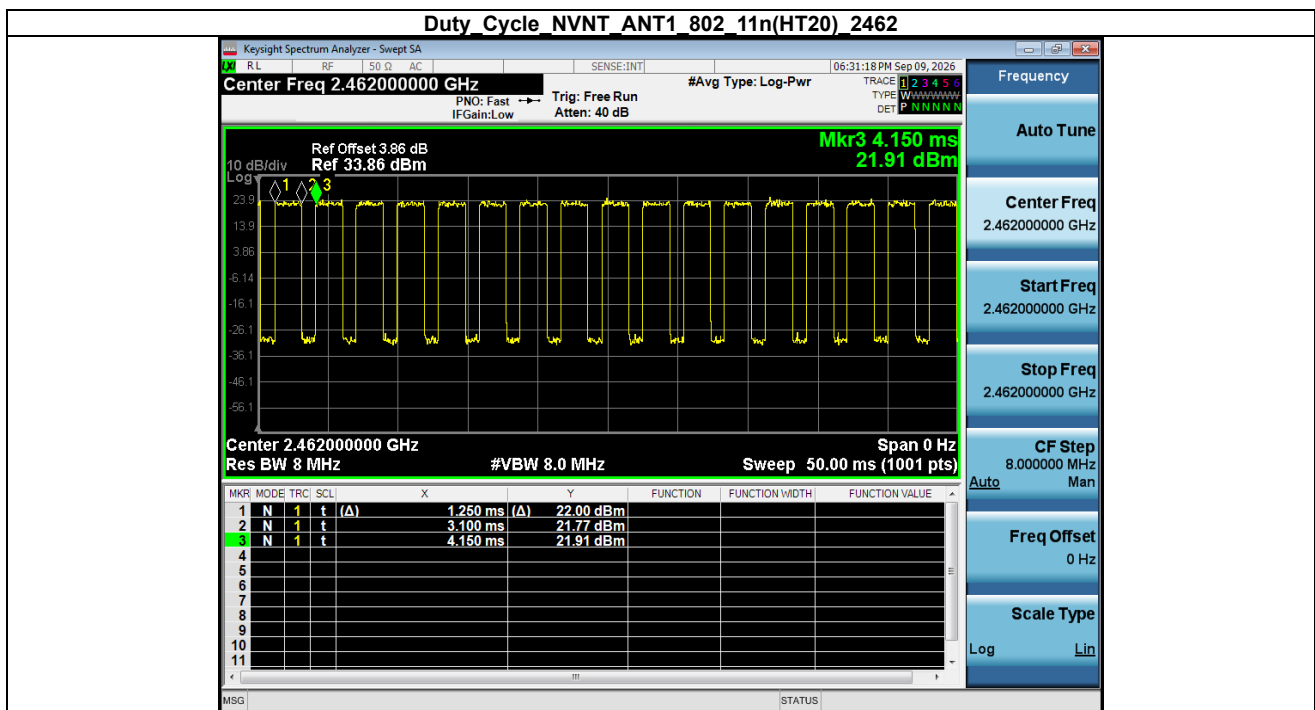
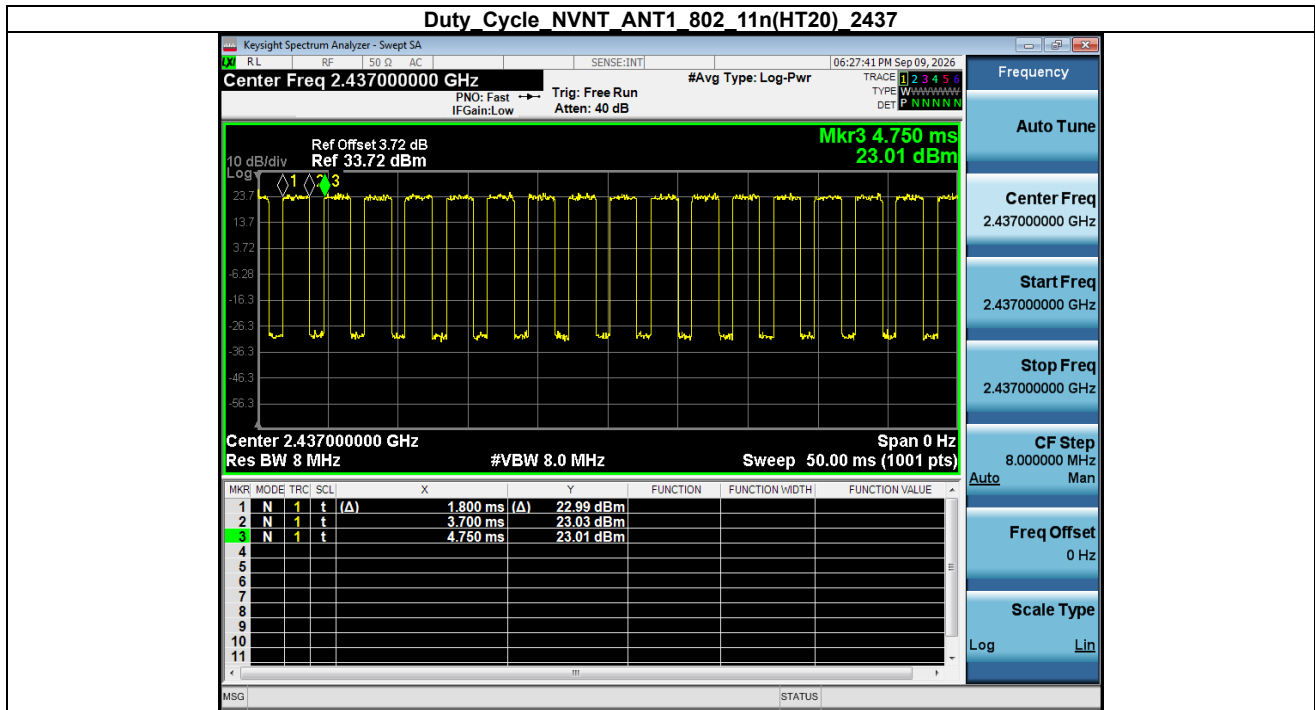
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	92.83	0.32
NVNT	ANT1	802.11b	2437.00	92.80	0.32
NVNT	ANT1	802.11b	2462.00	92.83	0.32
NVNT	ANT1	802.11g	2412.00	65.57	1.83
NVNT	ANT1	802.11g	2437.00	66.13	1.80
NVNT	ANT1	802.11g	2462.00	67.21	1.73
NVNT	ANT1	802.11n(HT20)	2412.00	66.10	1.80
NVNT	ANT1	802.11n(HT20)	2437.00	66.10	1.80
NVNT	ANT1	802.11n(HT20)	2462.00	65.52	1.84
NVNT	ANT1	802.11n(HT40)	2422.00	51.28	2.90
NVNT	ANT1	802.11n(HT40)	2437.00	51.28	2.90
NVNT	ANT1	802.11n(HT40)	2452.00	51.28	2.90
NVNT	ANT1	802.11ax(HE20)	2412.00	59.20	2.28
NVNT	ANT1	802.11ax(HE20)	2437.00	59.20	2.28
NVNT	ANT1	802.11ax(HE20)	2462.00	58.40	2.34
NVNT	ANT1	802.11ax(HE40)	2422.00	44.44	3.52
NVNT	ANT1	802.11ax(HE40)	2437.00	47.22	3.26
NVNT	ANT1	802.11ax(HE40)	2452.00	44.44	3.52

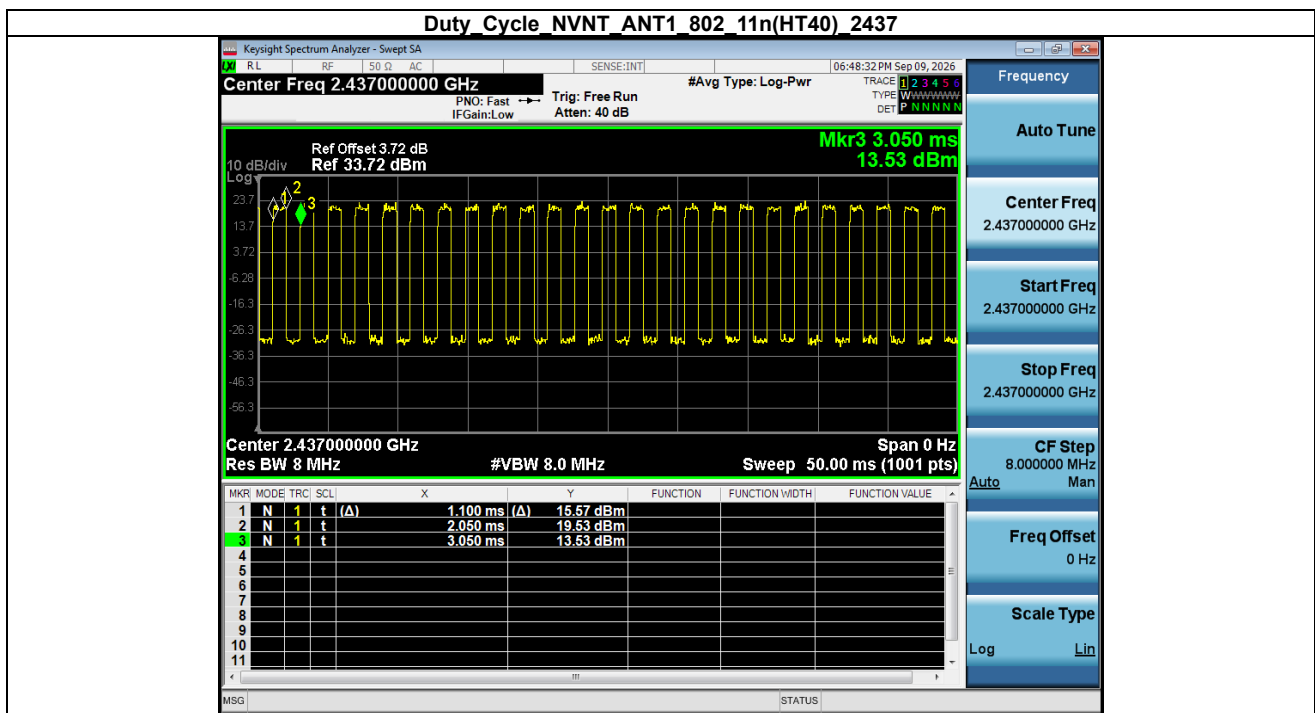
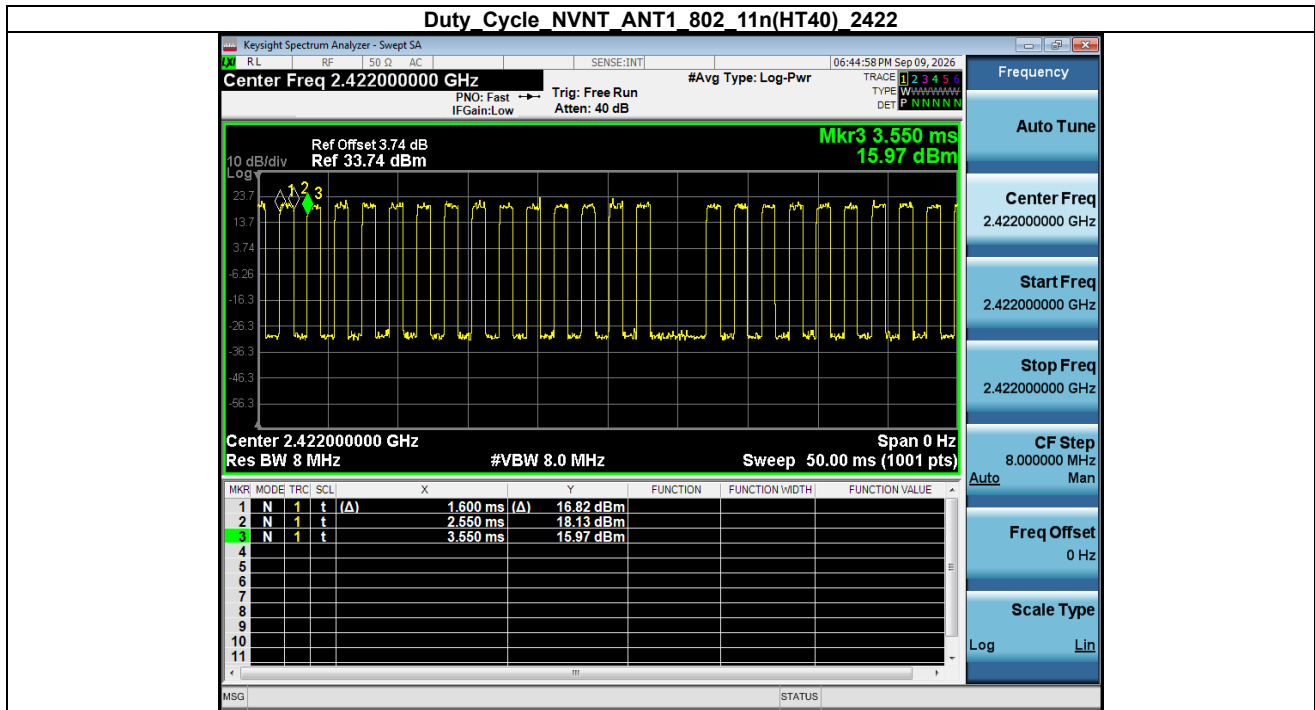


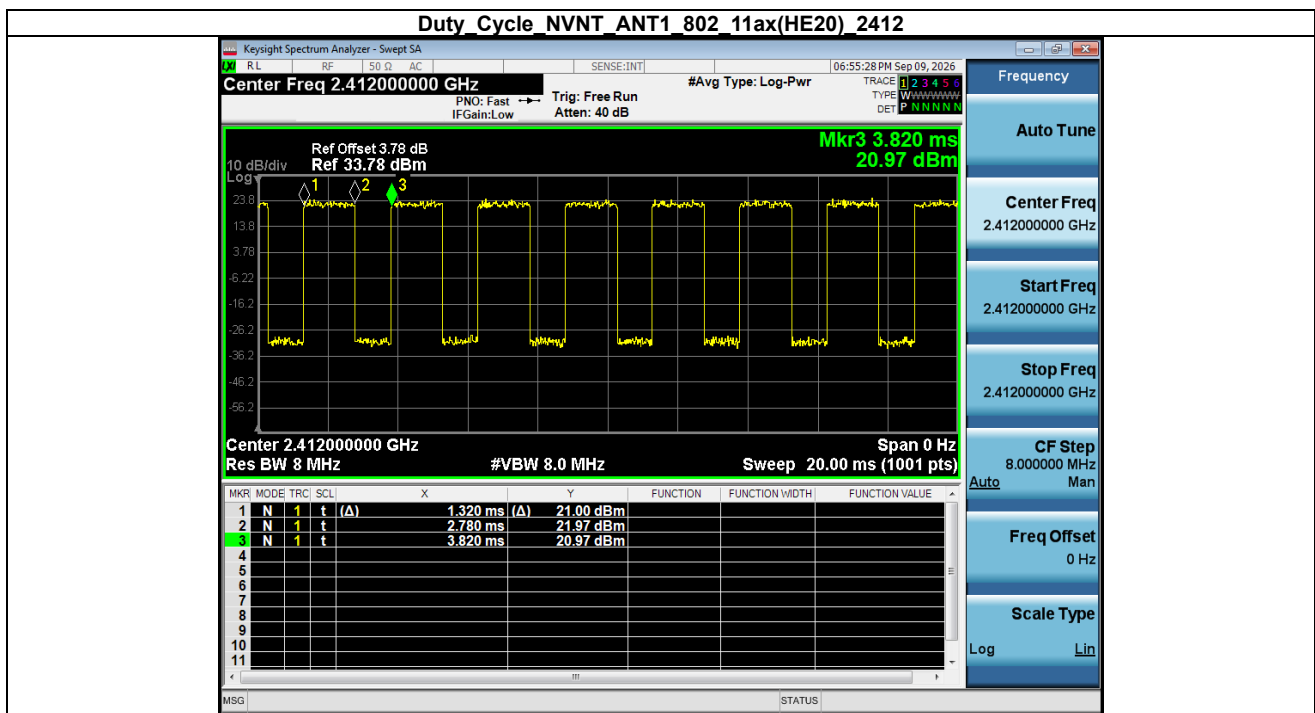
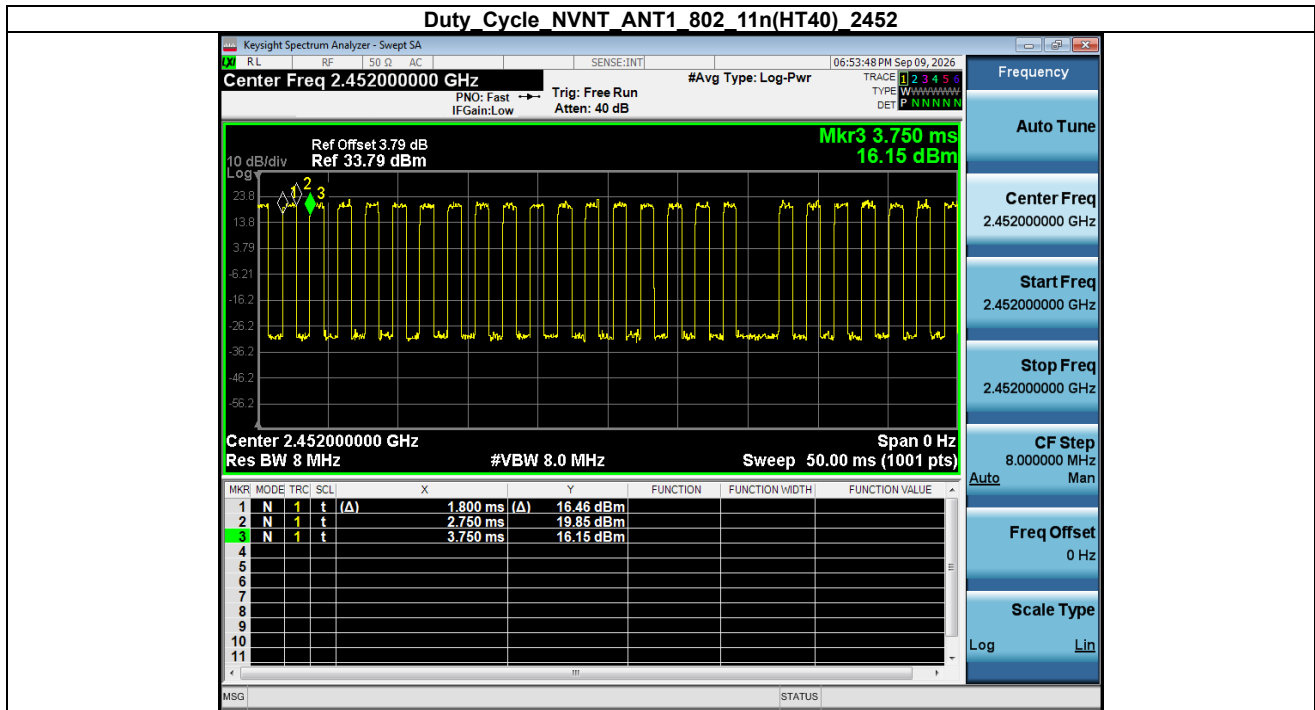


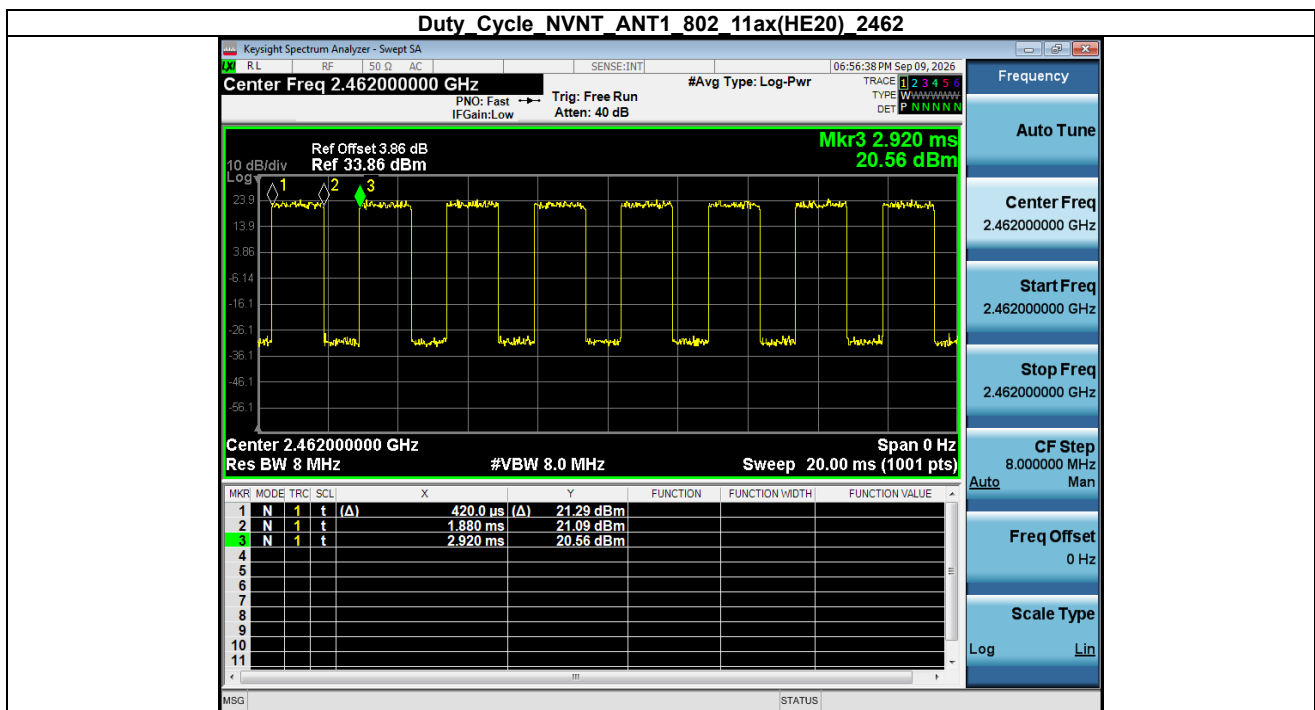
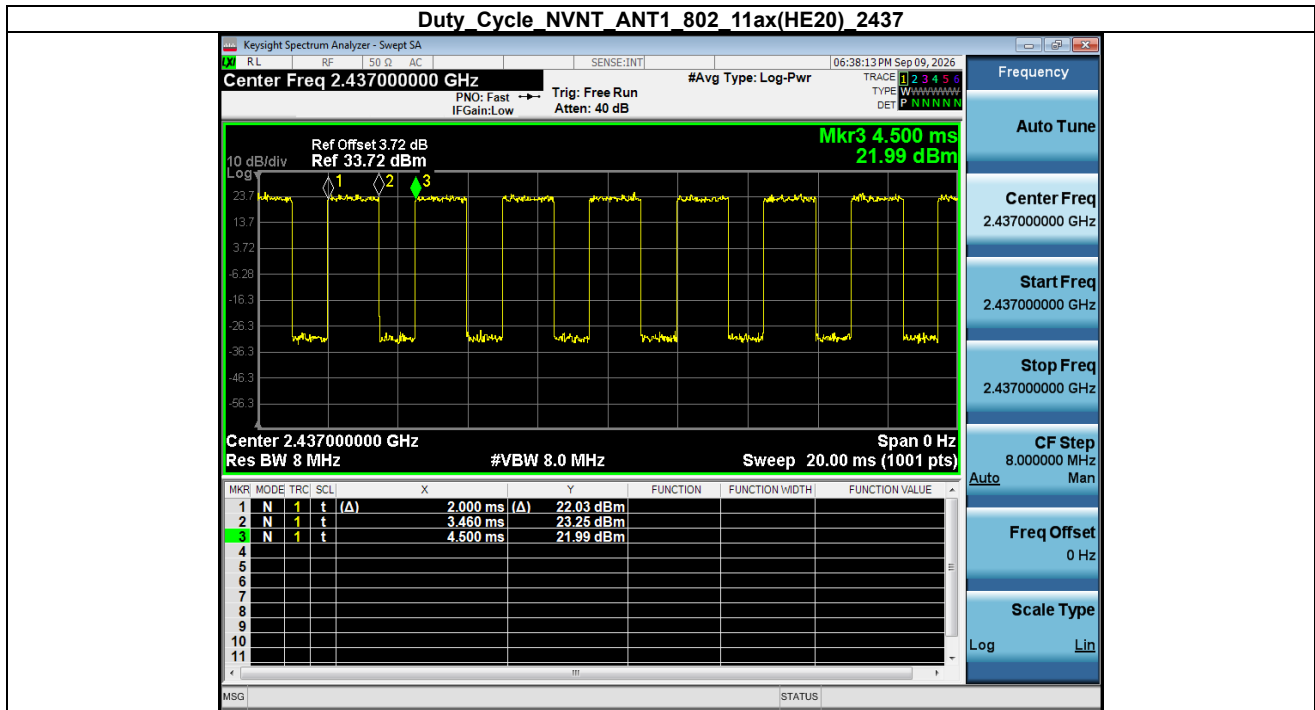


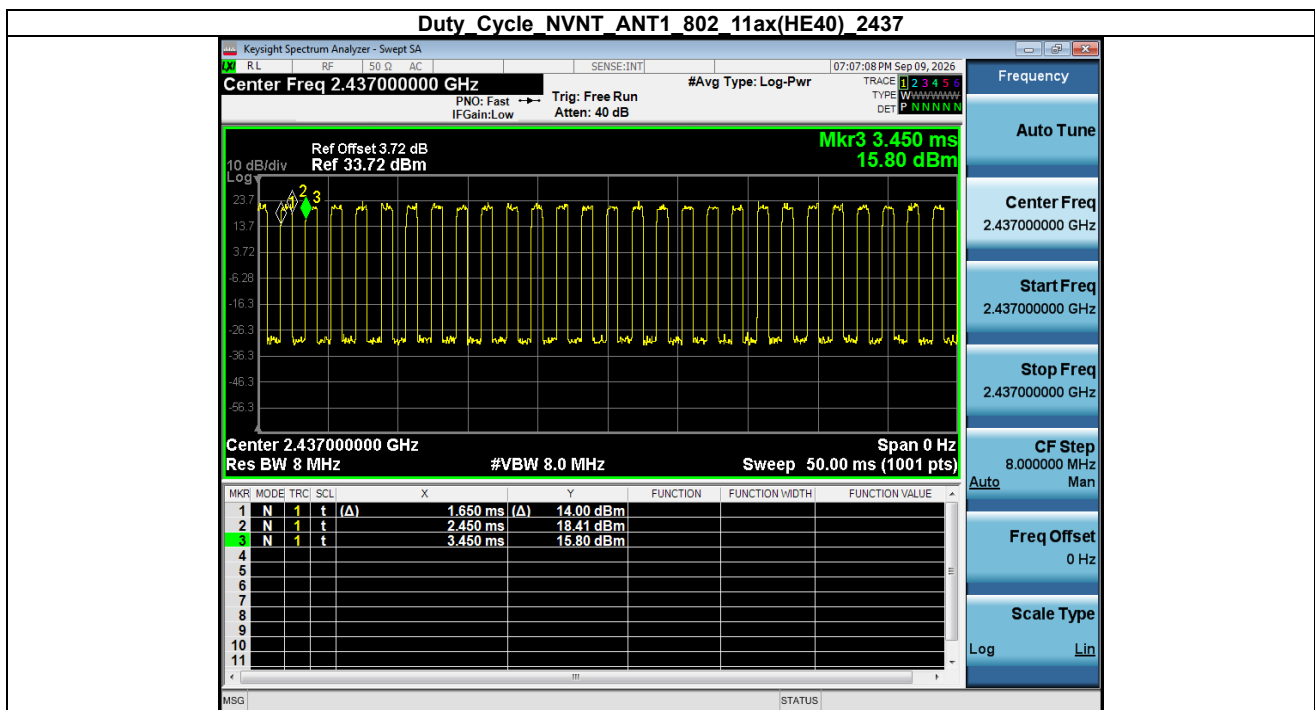
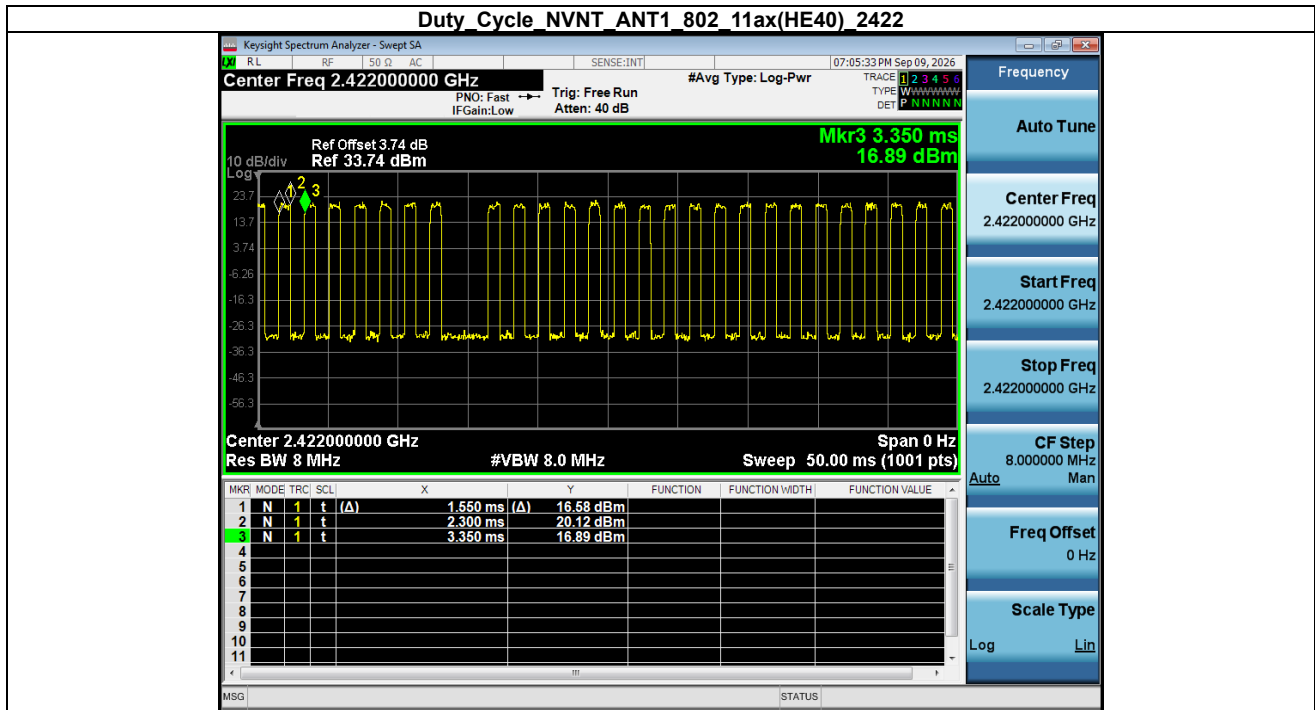


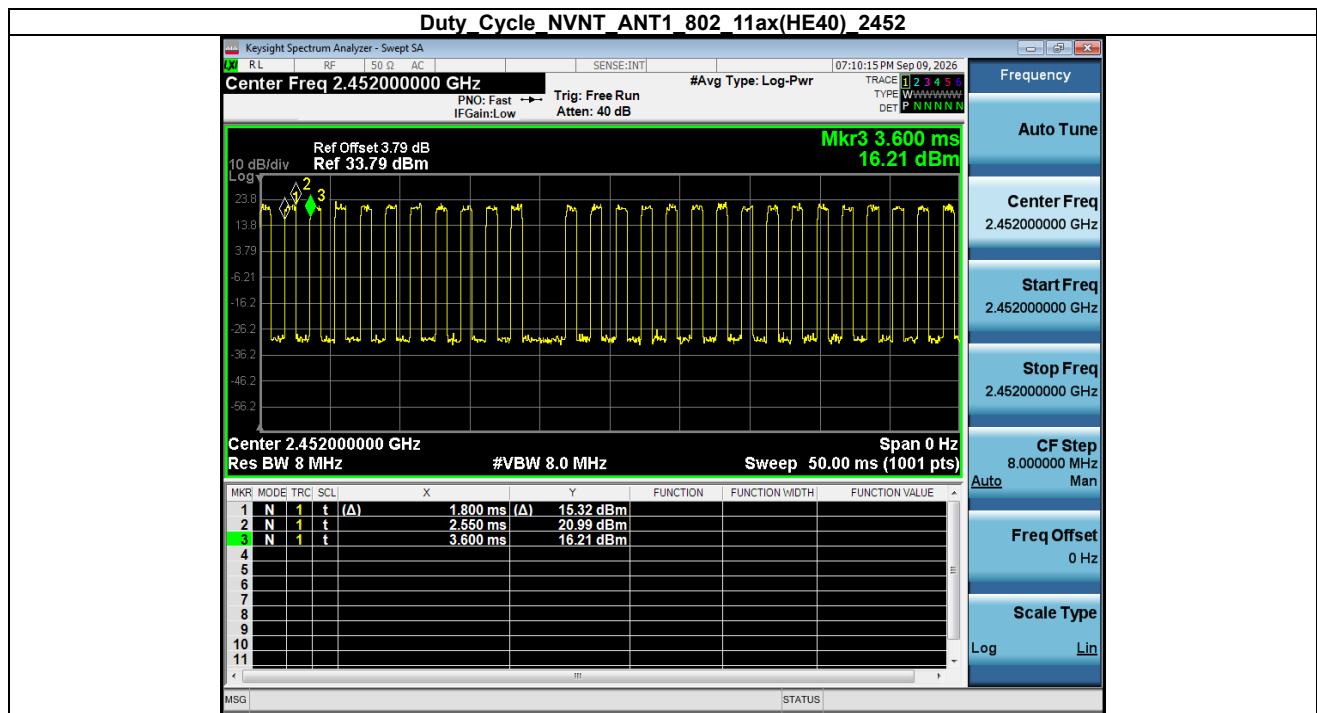










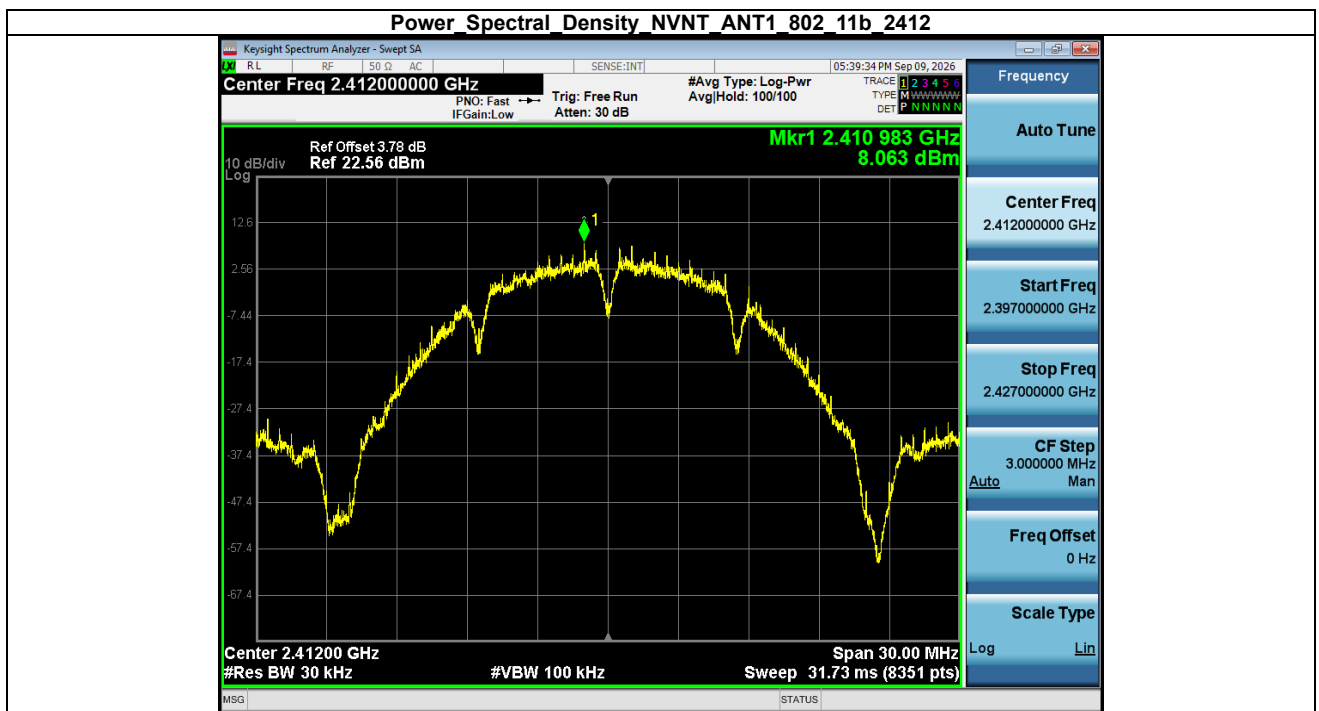


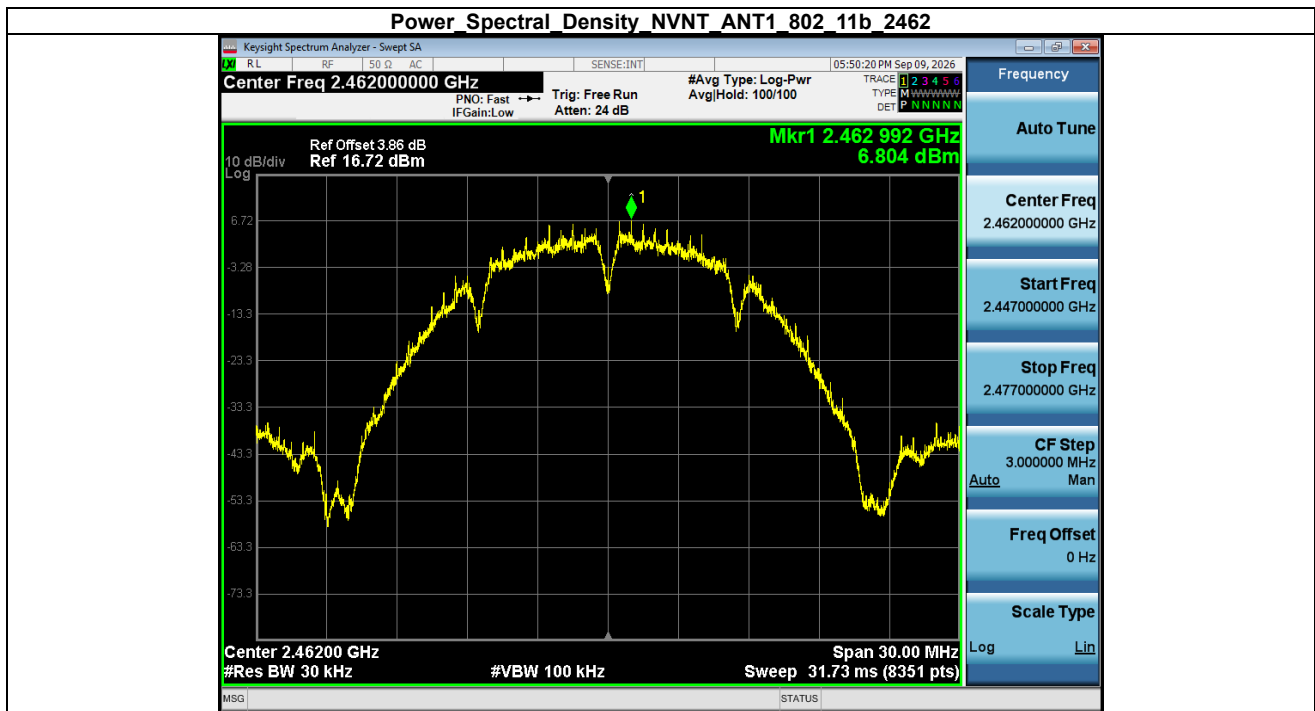
4. MAX. Output Power

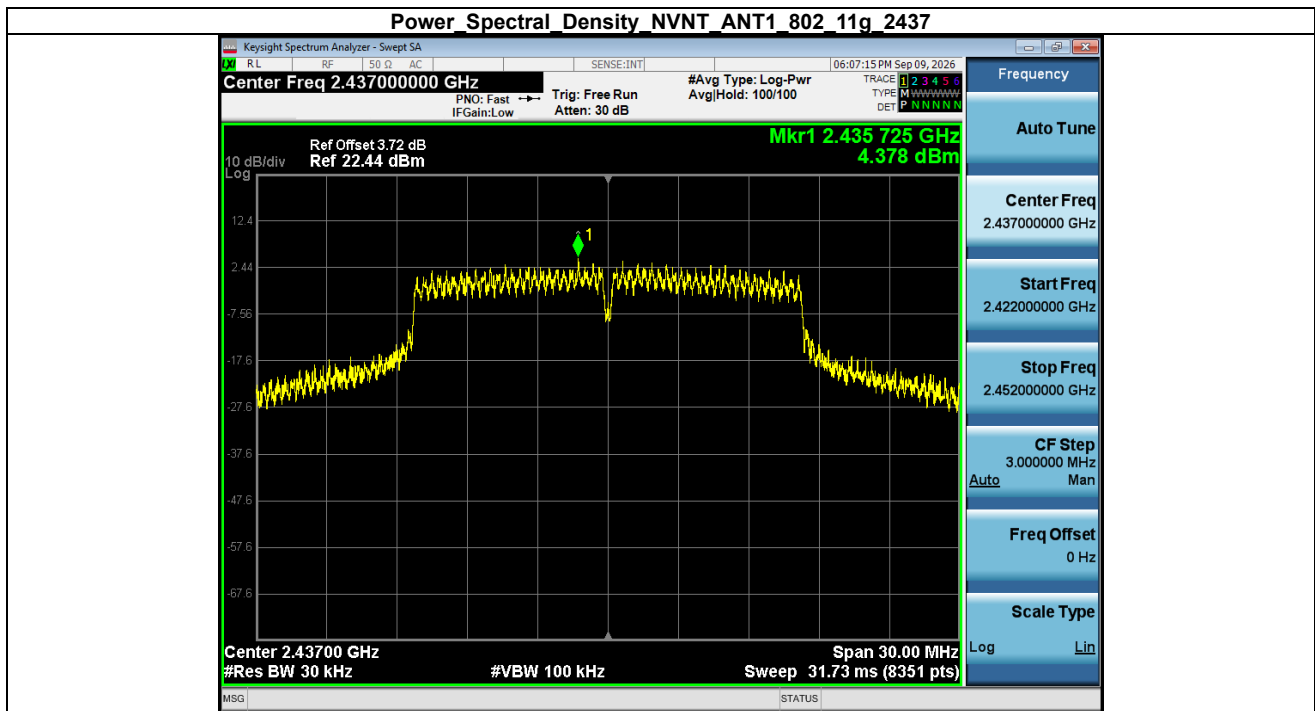
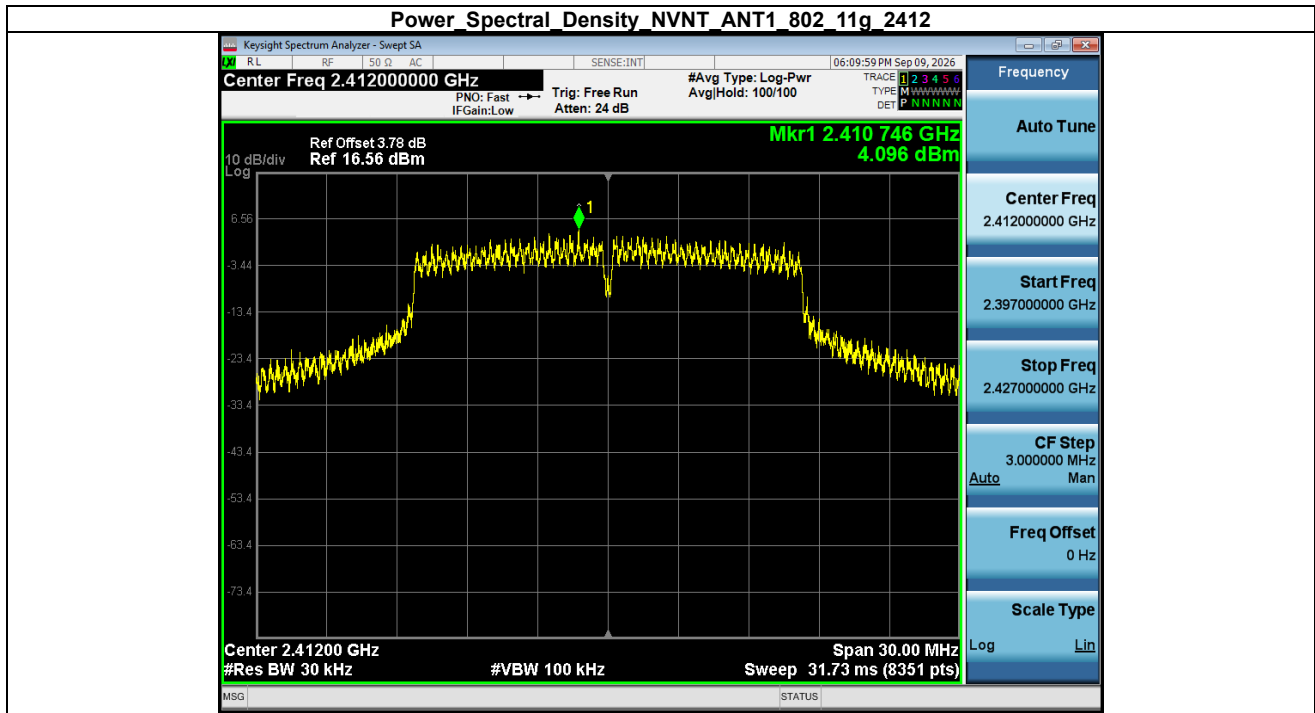
Condition	Antenna	Modulation	Frequency (MHz)	Detector	Conducted Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	Peak	21.57	30	Pass
NVNT	ANT1	802.11b	2437.00	Peak	21.27	30	Pass
NVNT	ANT1	802.11b	2462.00	Peak	20.47	30	Pass
NVNT	ANT1	802.11g	2412.00	Peak	25.54	30	Pass
NVNT	ANT1	802.11g	2437.00	Peak	26.17	30	Pass
NVNT	ANT1	802.11g	2462.00	Peak	25.45	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	Peak	25.48	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	Peak	26.19	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	Peak	25.35	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	Peak	25.18	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	Peak	26.09	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	Peak	25.61	30	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	Peak	26.70	30	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	Peak	27.38	30	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	Peak	26.60	30	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	Peak	26.34	30	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	Peak	27.17	30	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	Peak	26.88	30	Pass

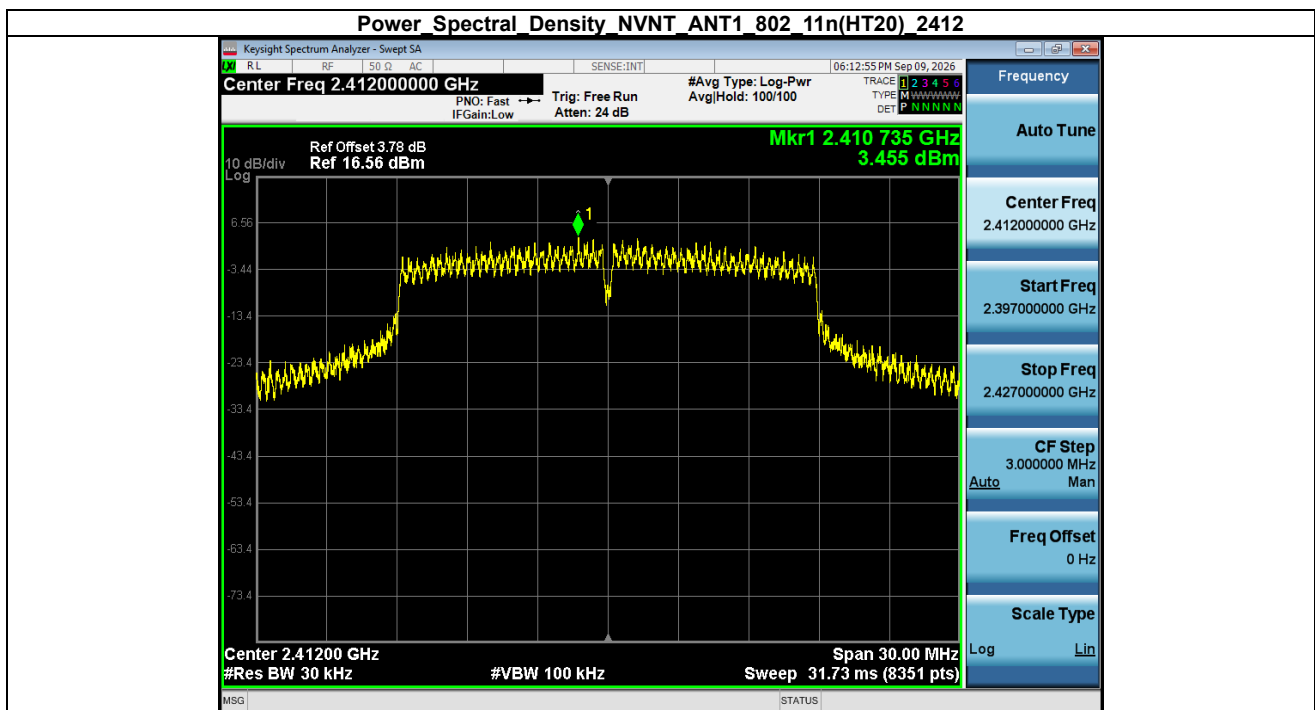
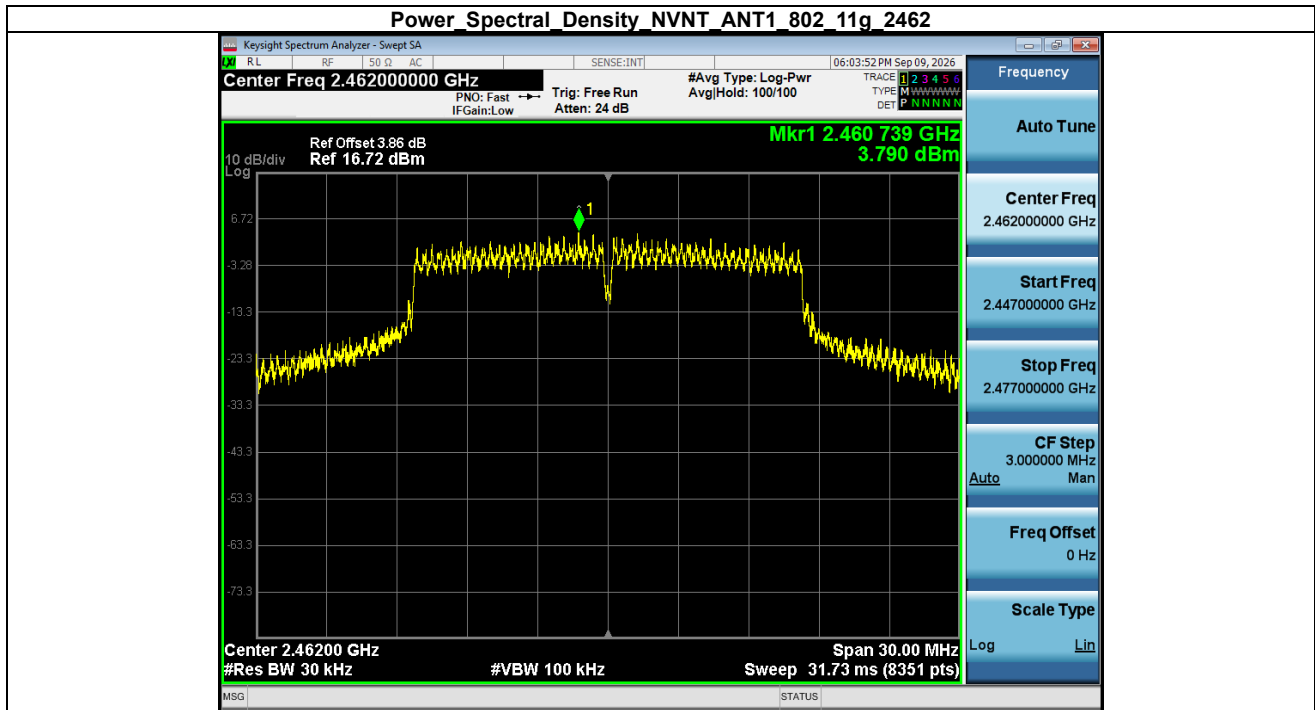
5. Power Spectral Density

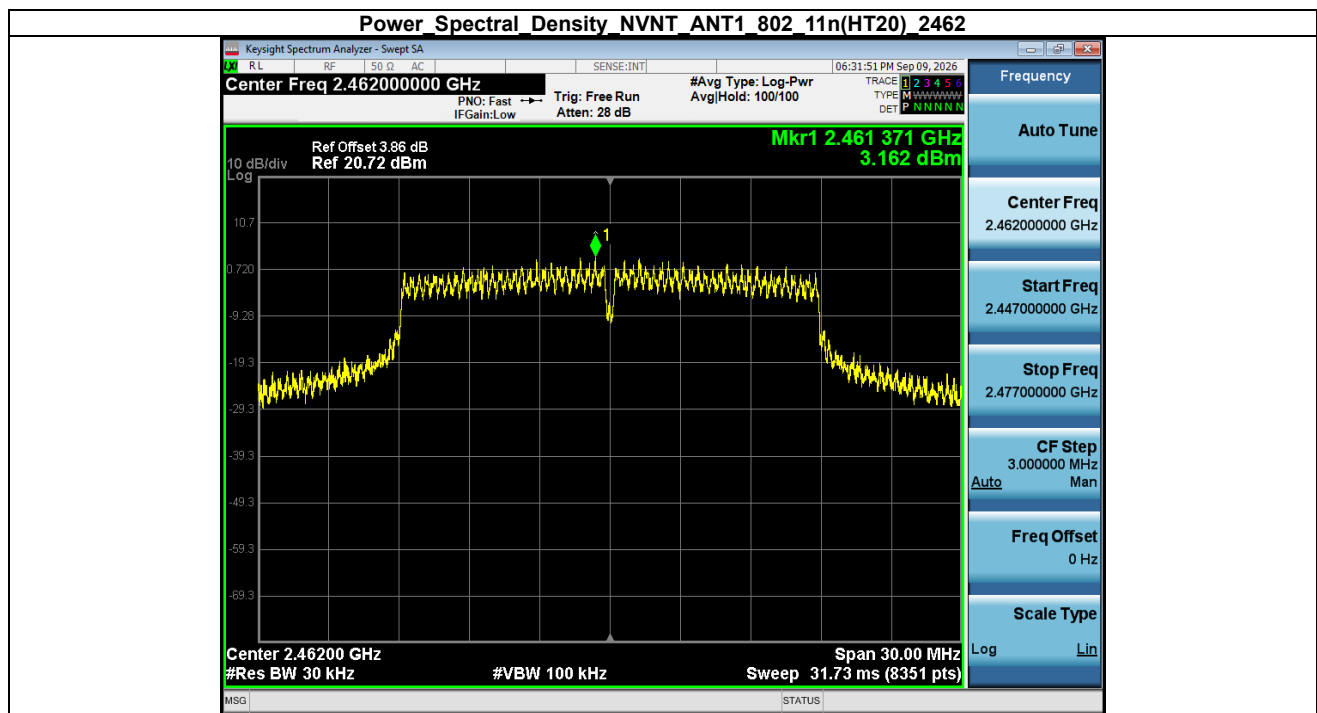
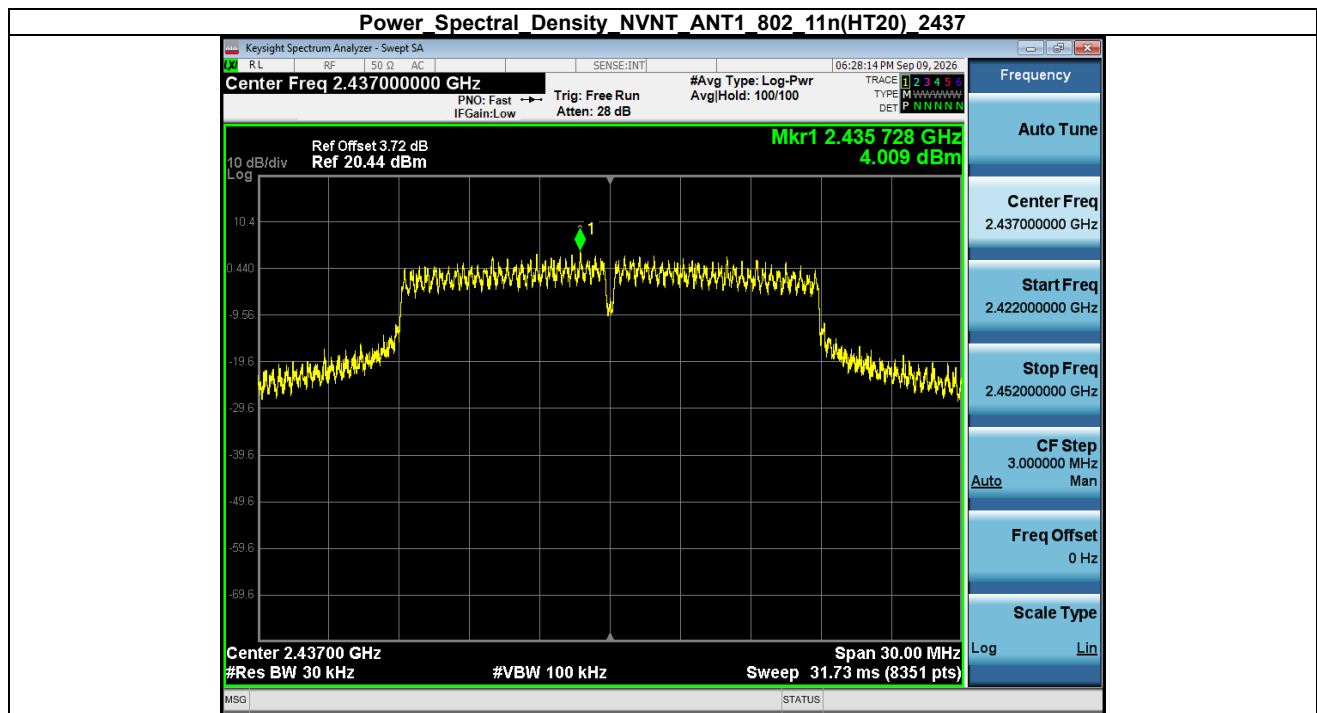
Condition	Antenna	Modulation	Frequency (MHz)	SA_PSD(dBm/30kHz)	Duty factor(dB)	RB factor(dB)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	8.06	N/A	-10.00	-1.94	8	Pass
NVNT	ANT1	802.11b	2437.00	6.72	N/A	-10.00	-3.28	8	Pass
NVNT	ANT1	802.11b	2462.00	6.80	N/A	-10.00	-3.20	8	Pass
NVNT	ANT1	802.11g	2412.00	4.10	N/A	-10.00	-5.90	8	Pass
NVNT	ANT1	802.11g	2437.00	4.38	N/A	-10.00	-5.62	8	Pass
NVNT	ANT1	802.11g	2462.00	3.79	N/A	-10.00	-6.21	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	3.46	N/A	-10.00	-6.54	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	4.01	N/A	-10.00	-5.99	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	3.16	N/A	-10.00	-6.84	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-0.20	N/A	-10.00	-10.20	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	0.63	N/A	-10.00	-9.37	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	0.32	N/A	-10.00	-9.68	8	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	3.42	N/A	-10.00	-6.58	8	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	4.15	N/A	-10.00	-5.85	8	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	3.24	N/A	-10.00	-6.76	8	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	0.58	N/A	-10.00	-9.41	8	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	1.91	N/A	-10.00	-8.09	8	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	1.56	N/A	-10.00	-8.44	8	Pass

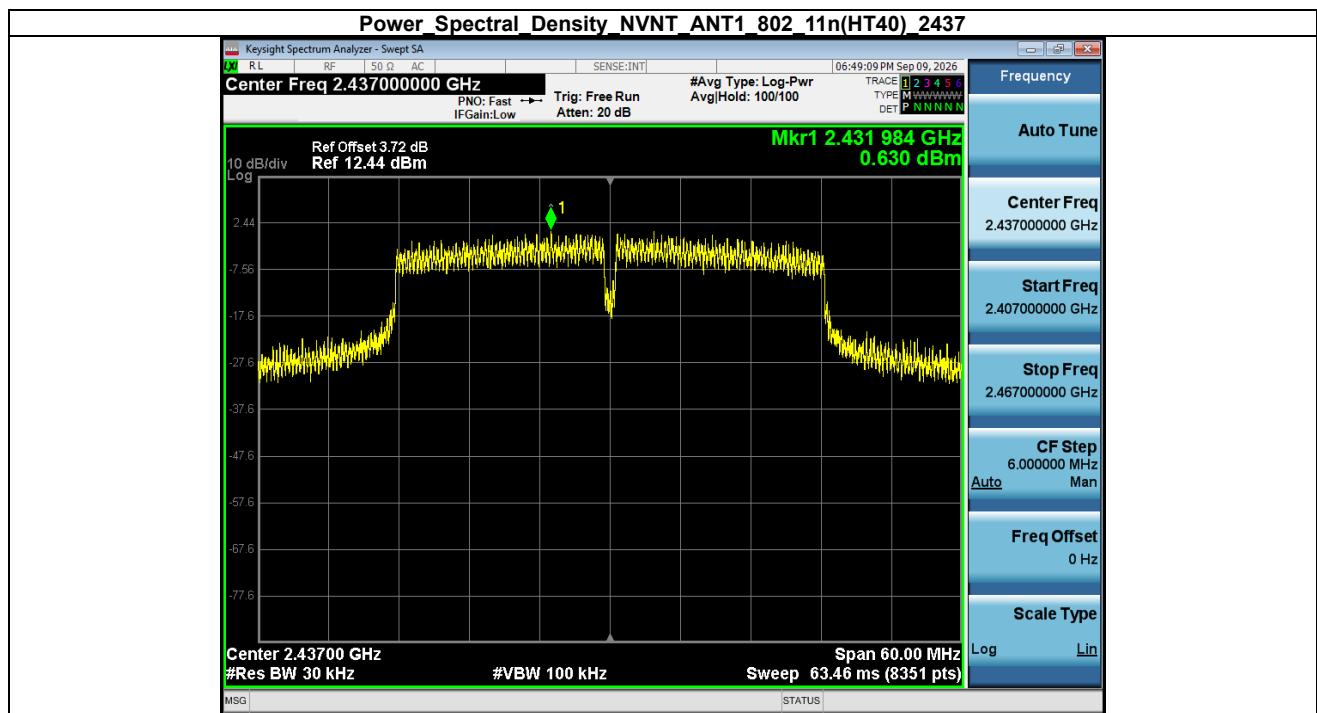
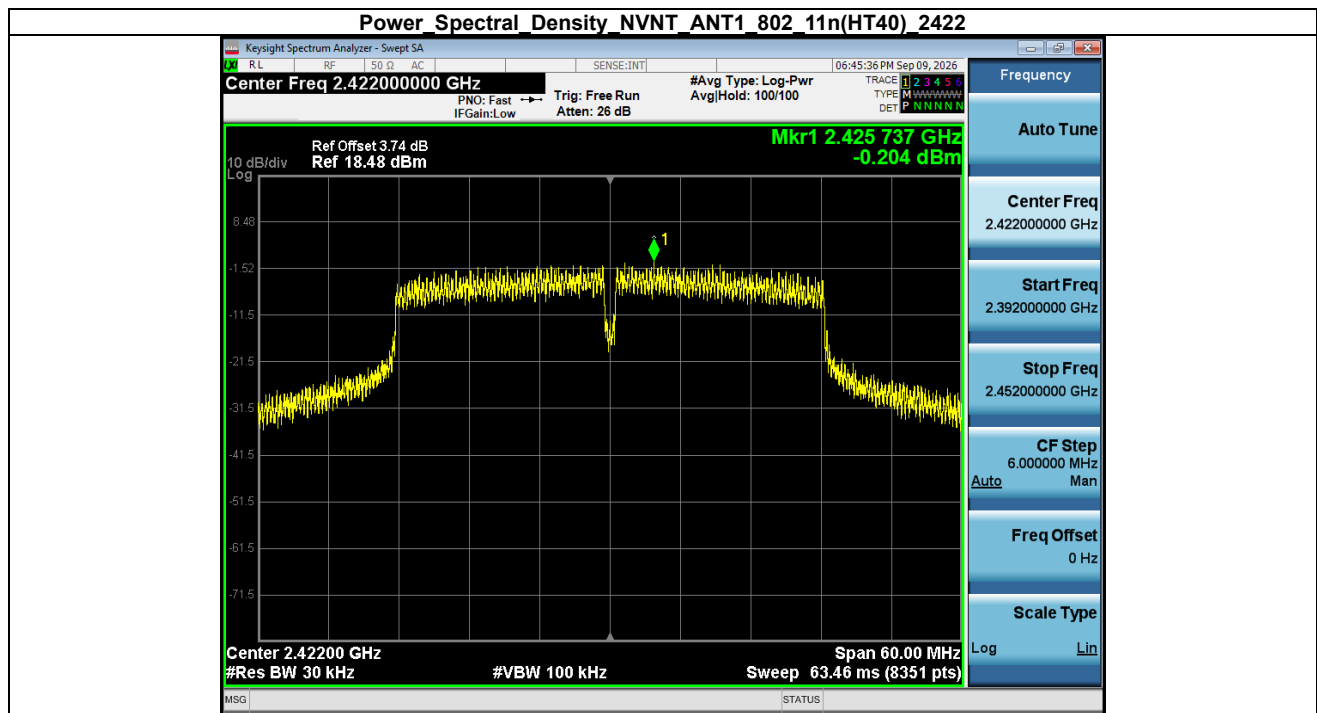


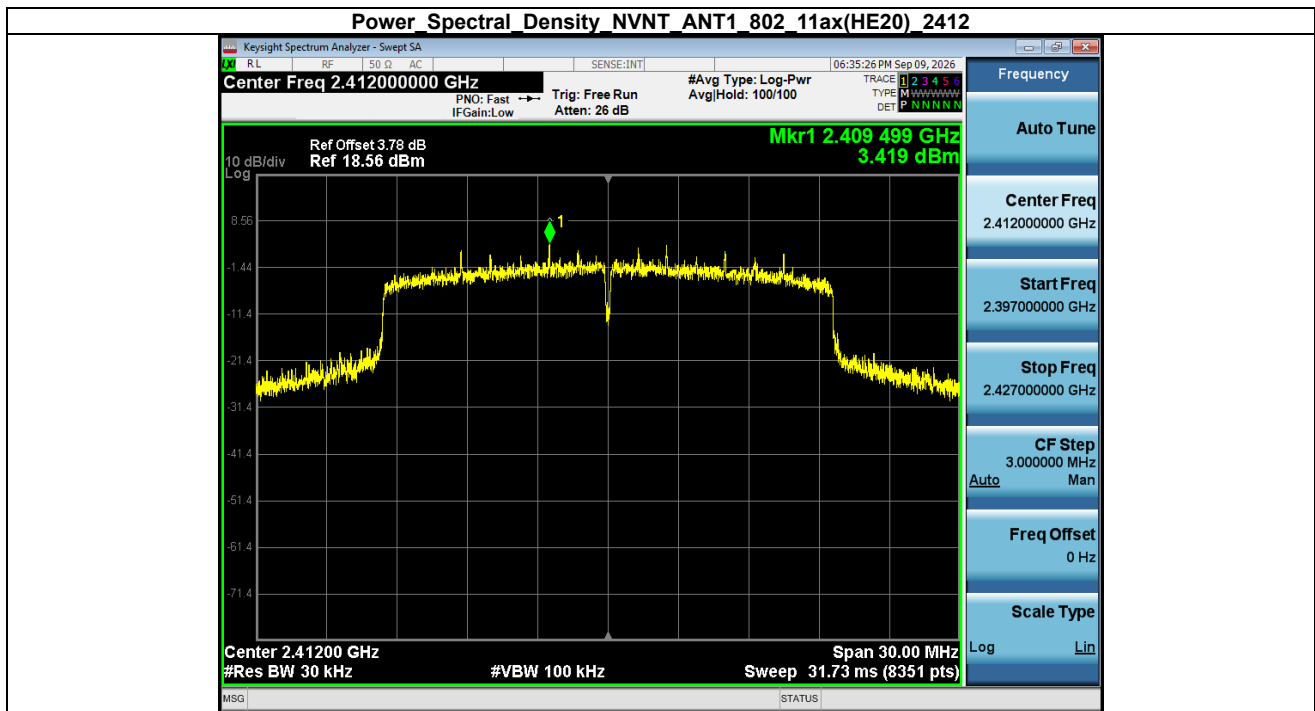
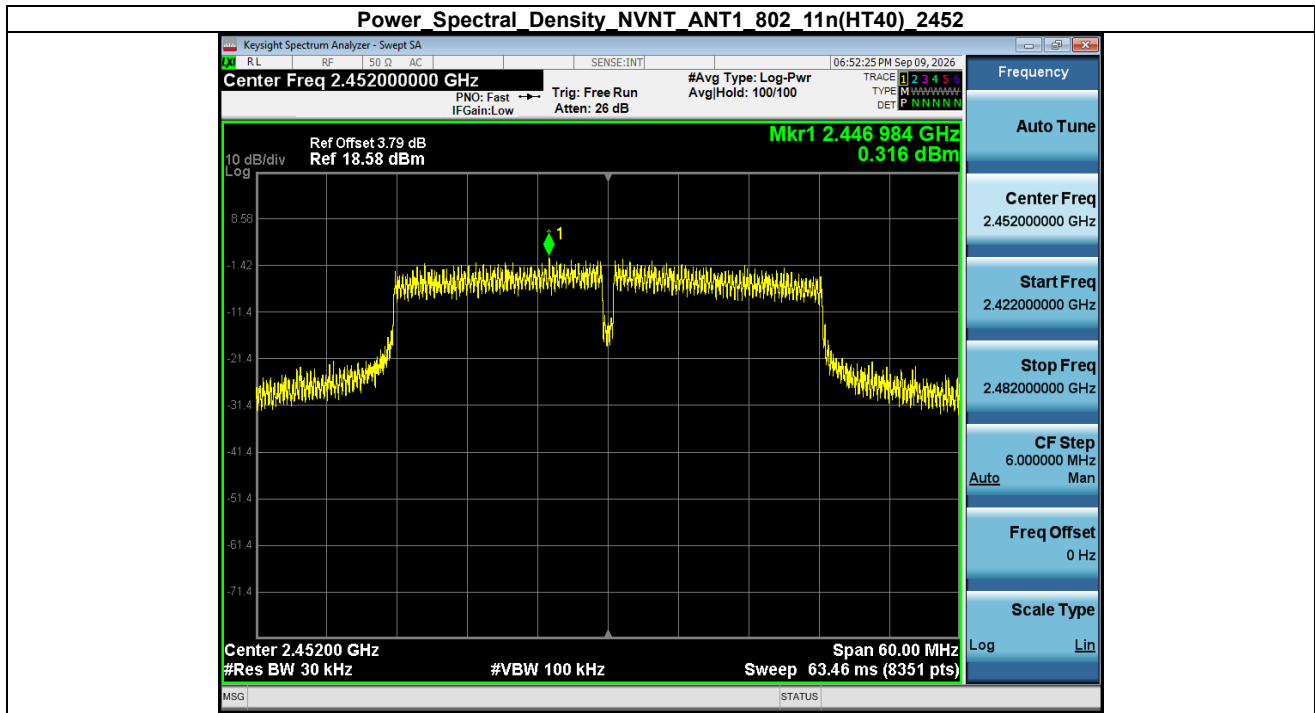


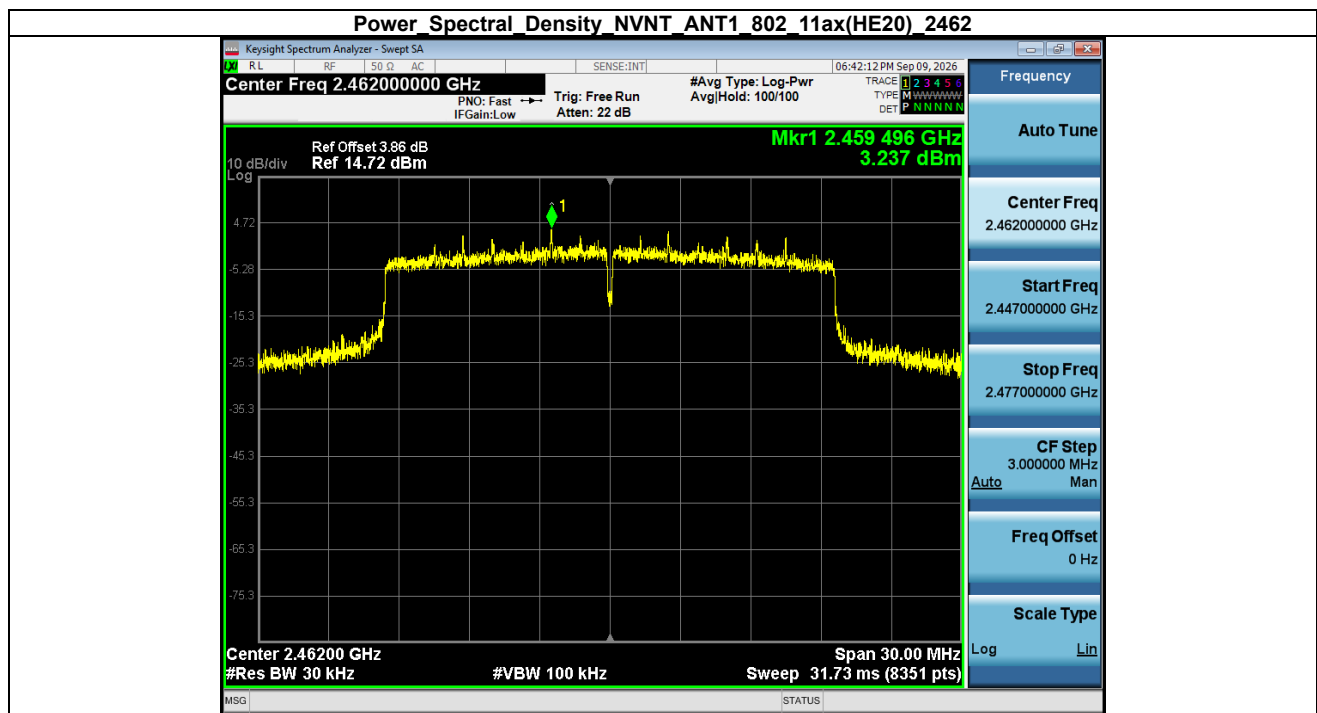
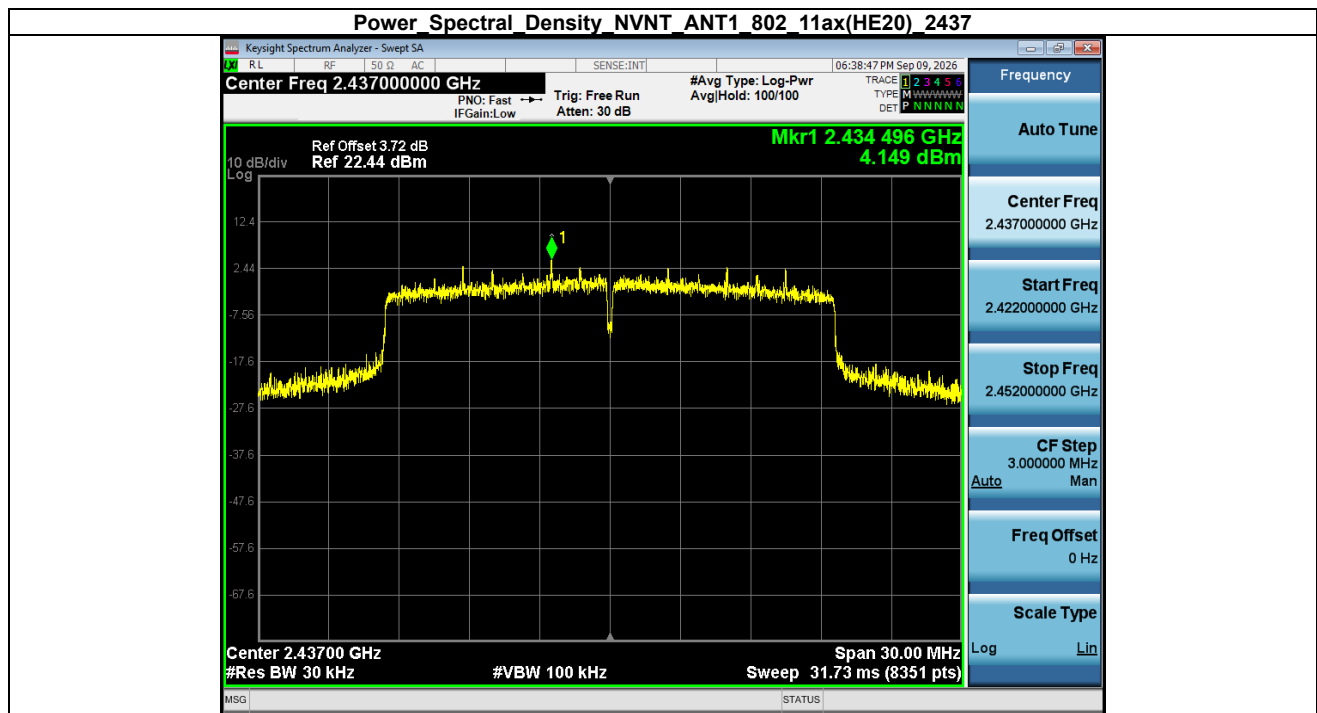


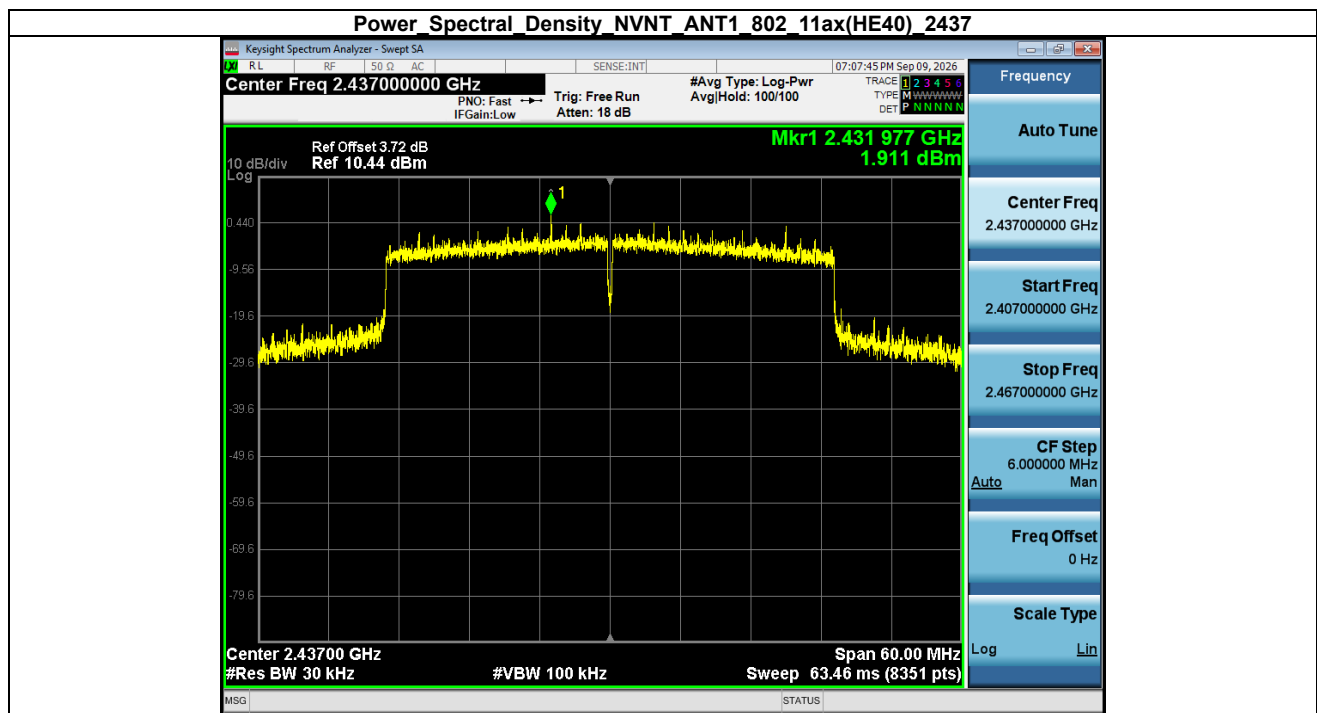
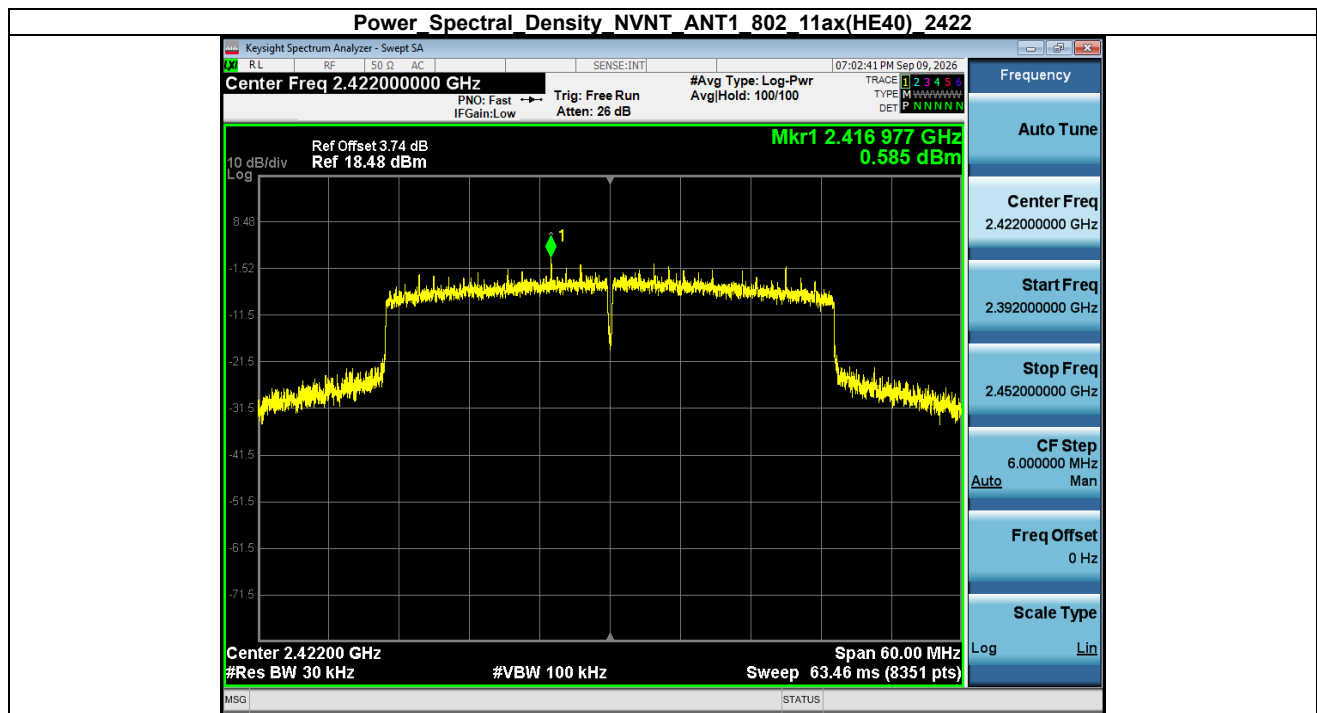


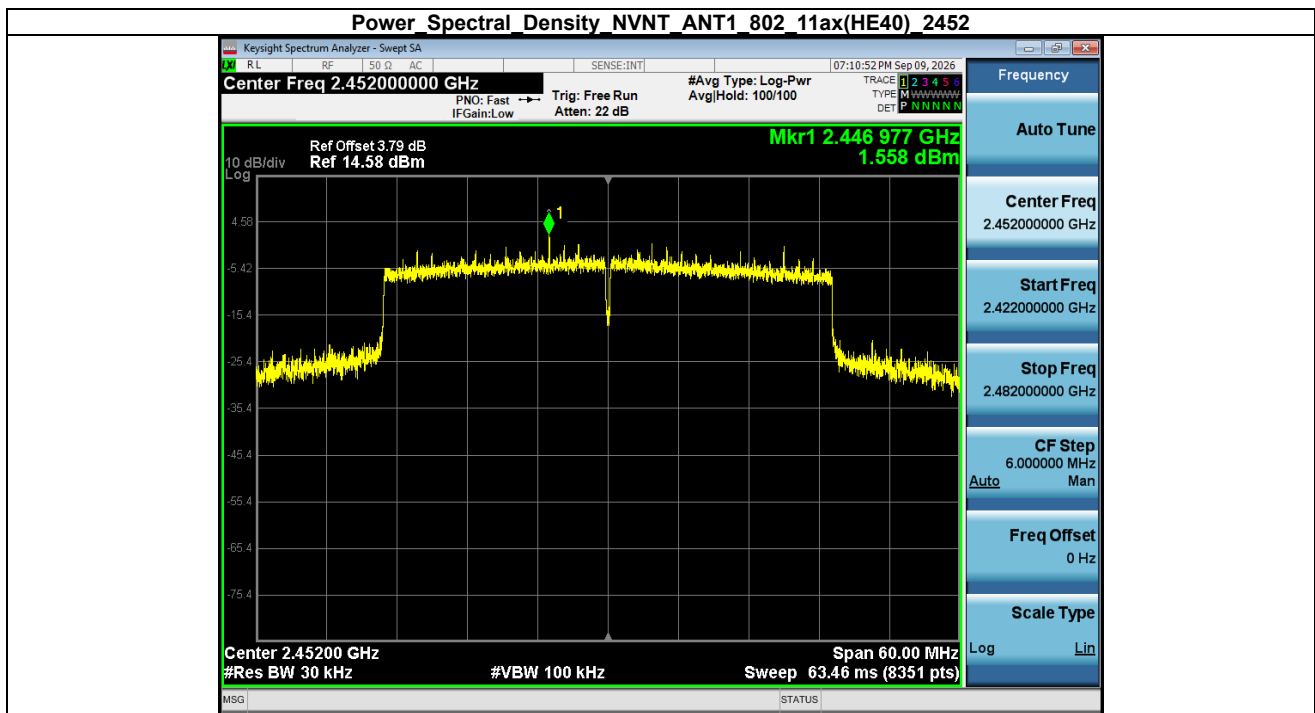












6. Bandedge

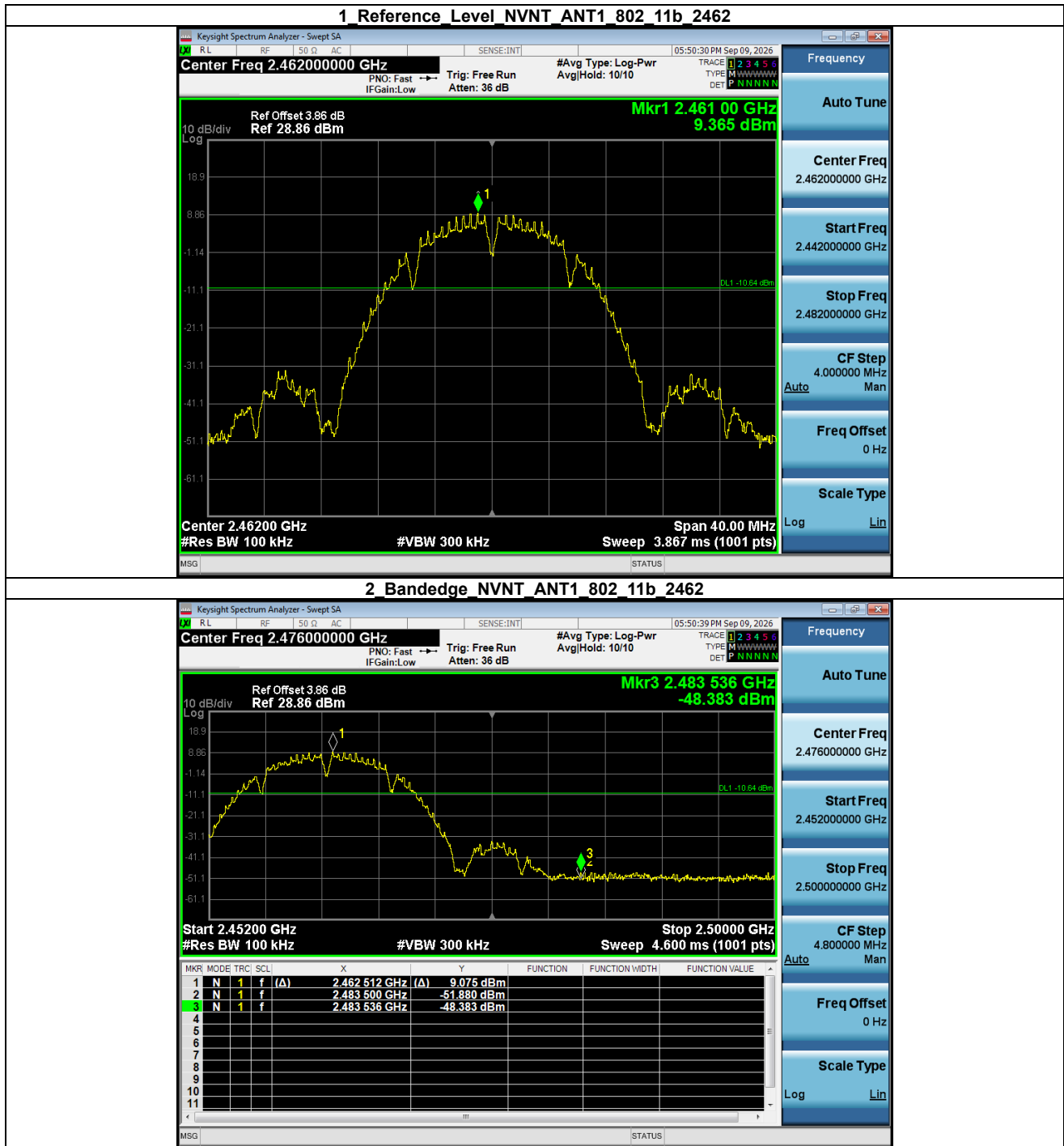
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	2397.024	10.079	-28.358	-9.921	Pass
NVNT	ANT1	802.11b	2462.00	2483.536	9.365	-48.383	-10.635	Pass
NVNT	ANT1	802.11g	2412.00	2399.824	8.380	-16.311	-11.620	Pass
NVNT	ANT1	802.11g	2462.00	2483.632	7.610	-30.924	-12.390	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.824	8.753	-16.332	-11.247	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2484.208	6.726	-28.335	-13.274	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2399.496	4.927	-19.585	-15.073	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2484.496	4.153	-20.525	-15.847	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	2399.712	7.955	-17.412	-12.045	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	2484.592	8.511	-26.370	-11.489	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	2399.760	4.752	-21.263	-15.248	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	2484.768	5.442	-22.368	-14.558	Pass

1 Reference Level NVNT ANT1 802.11b 2412

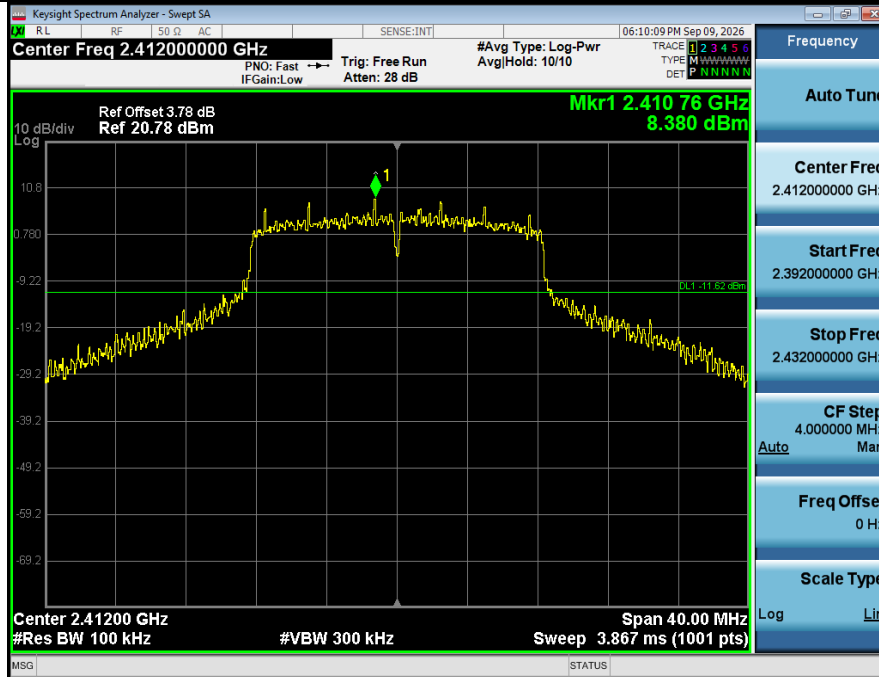


2 Bandedge NVNT ANT1 802.11b 2412

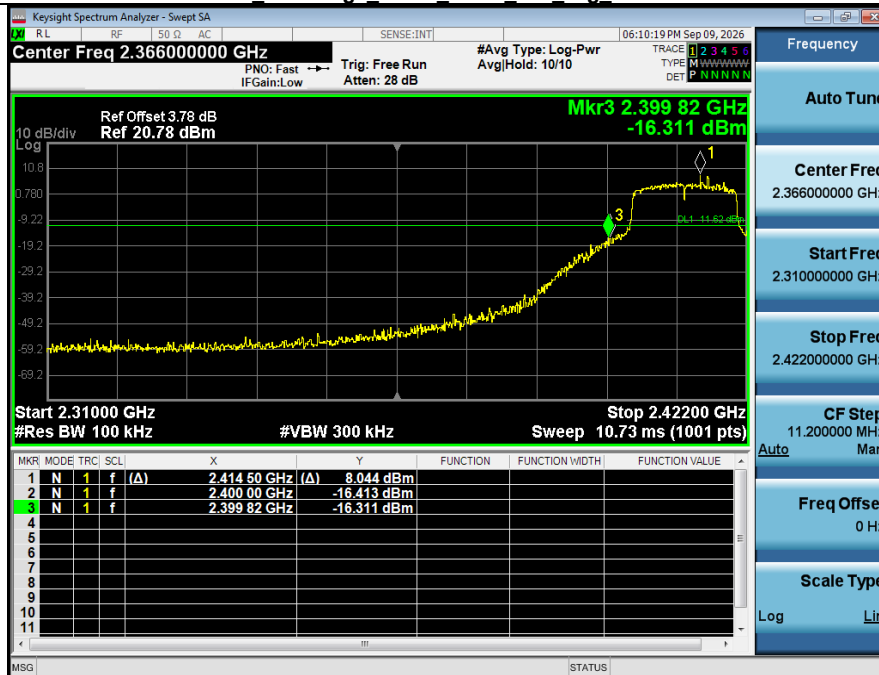




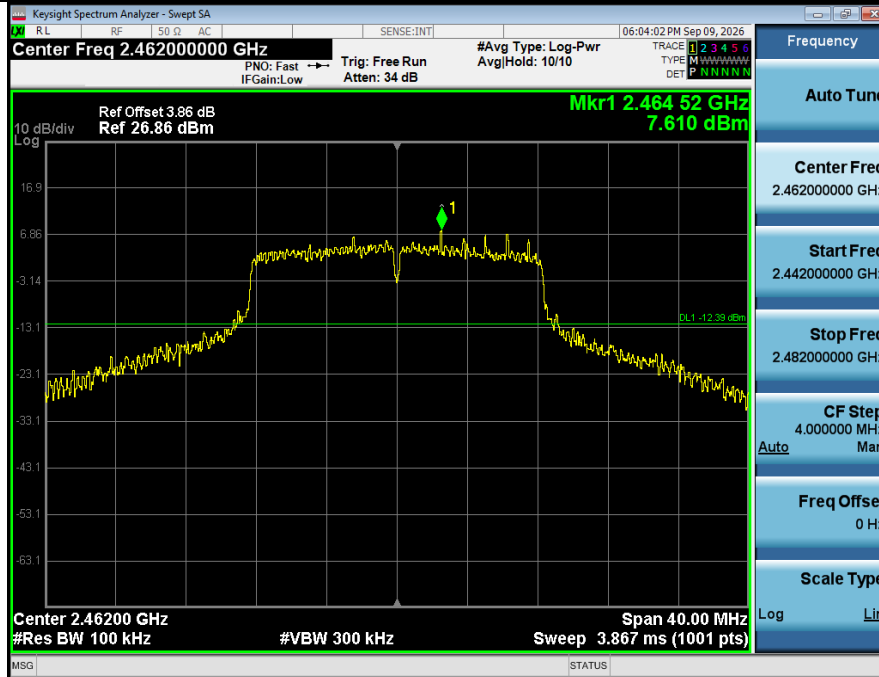
1 Reference Level NVNT_ANT1_802_11g_2412



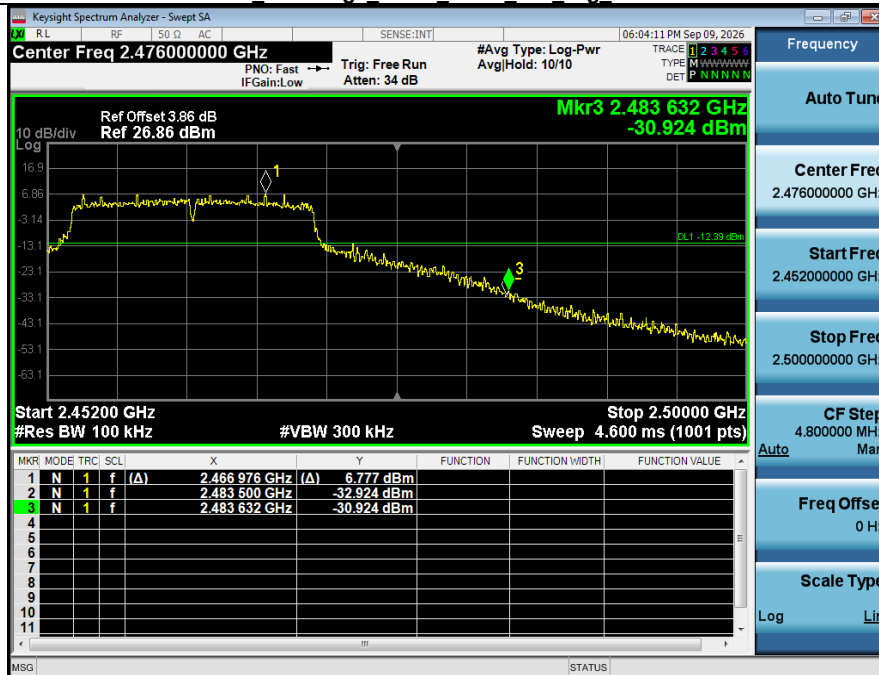
2 Bandedge NVNT_ANT1_802_11g_2412



1 Reference Level NVNT_ANT1_802_11g_2462



2 Bandedge NVNT_ANT1_802_11g_2462

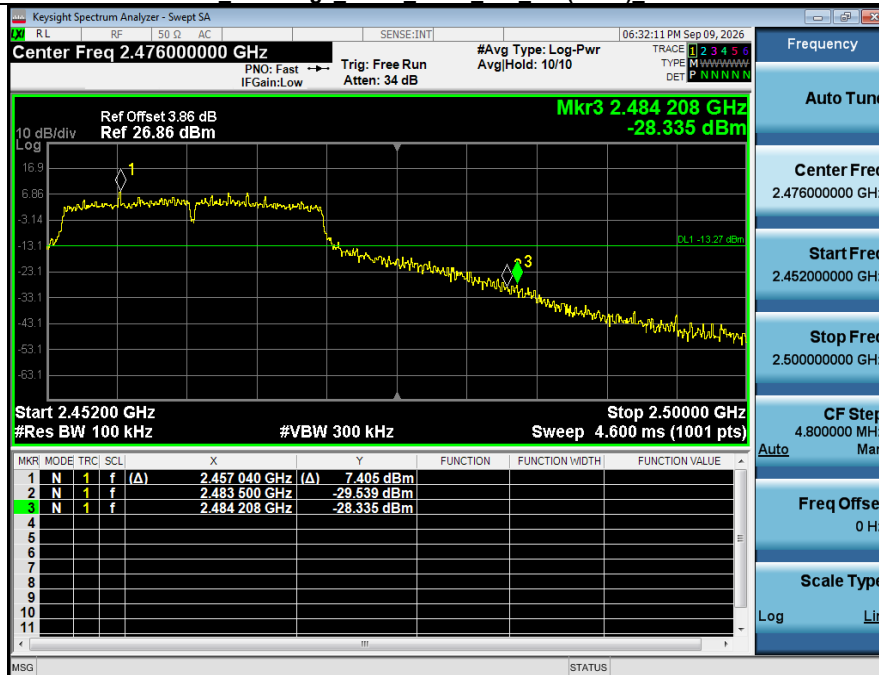




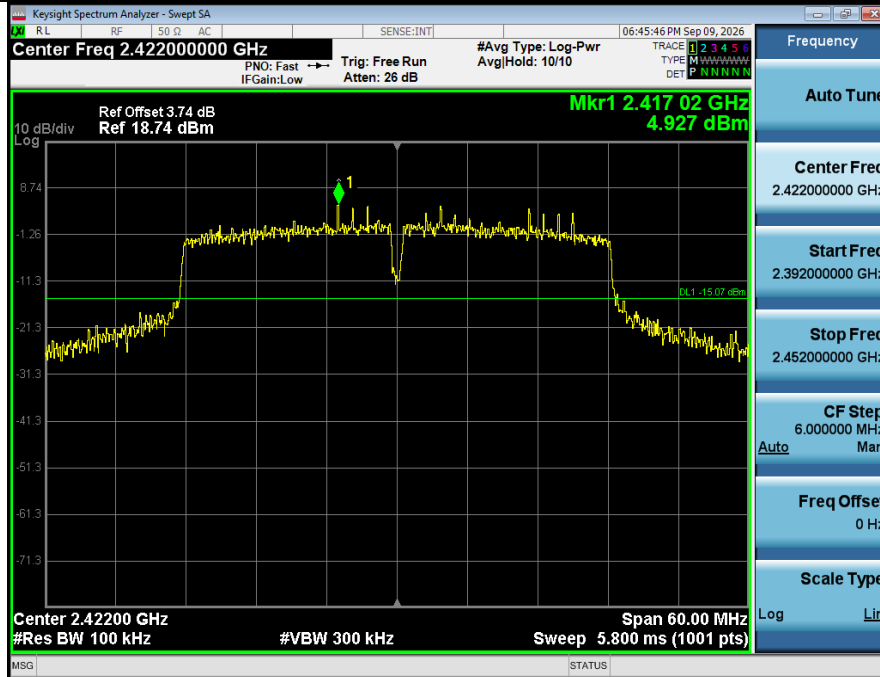
1 Reference Level NVNT_ANT1_802_11n(HT20) 2462



2 Bandedge NVNT_ANT1_802_11n(HT20) 2462

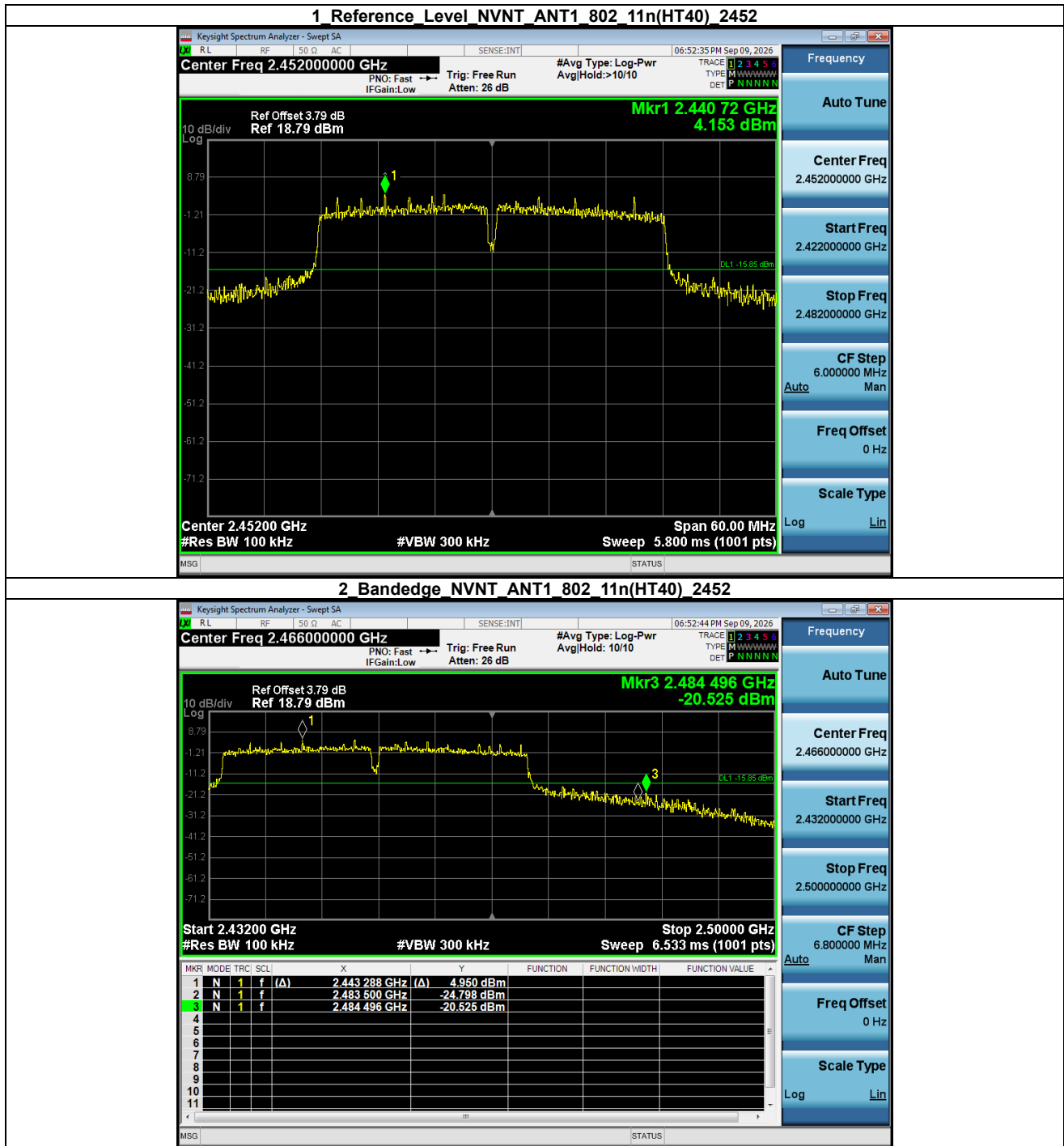


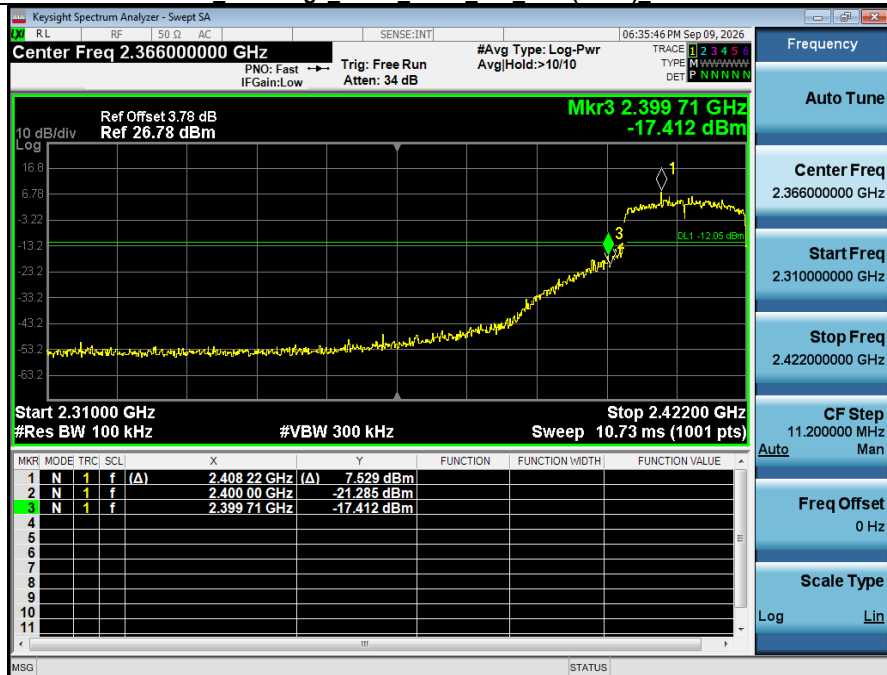
1 Reference Level NVNT_ANT1_802_11n(HT40)_2422



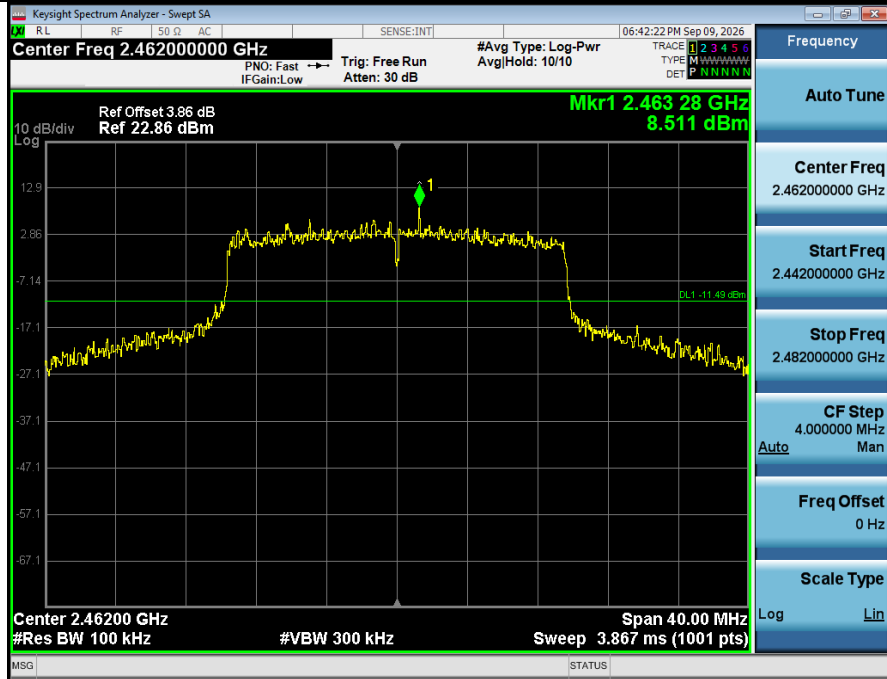
2 Bandedge NVNT_ANT1_802_11n(HT40)_2422





1 Reference Level NVNT ANT1_802_11ax(HE20)_2412**2 Bandedge NVNT ANT1_802_11ax(HE20)_2412**

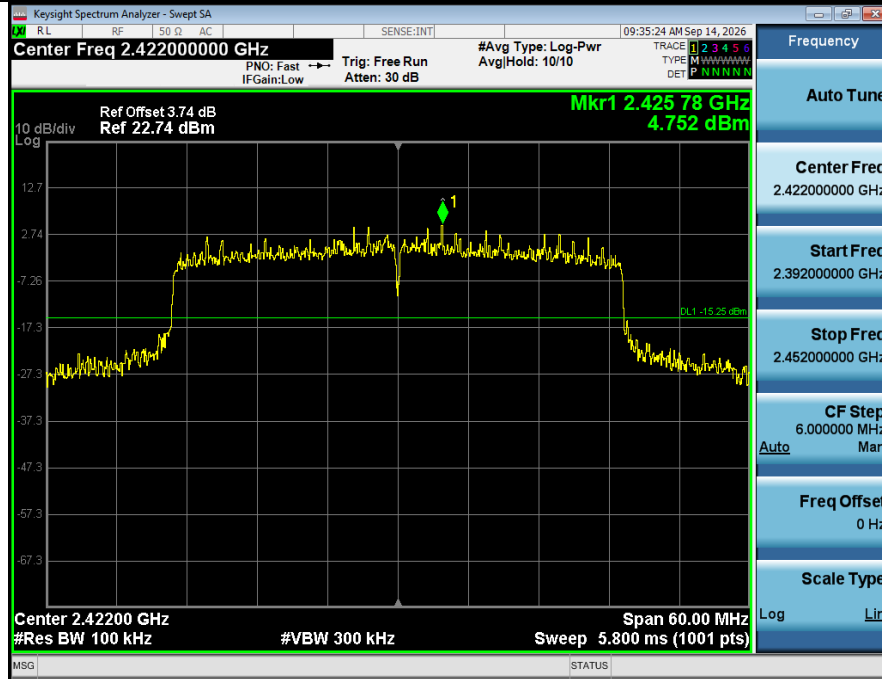
1 Reference Level NVNT ANT1_802_11ax(HE20)_2462



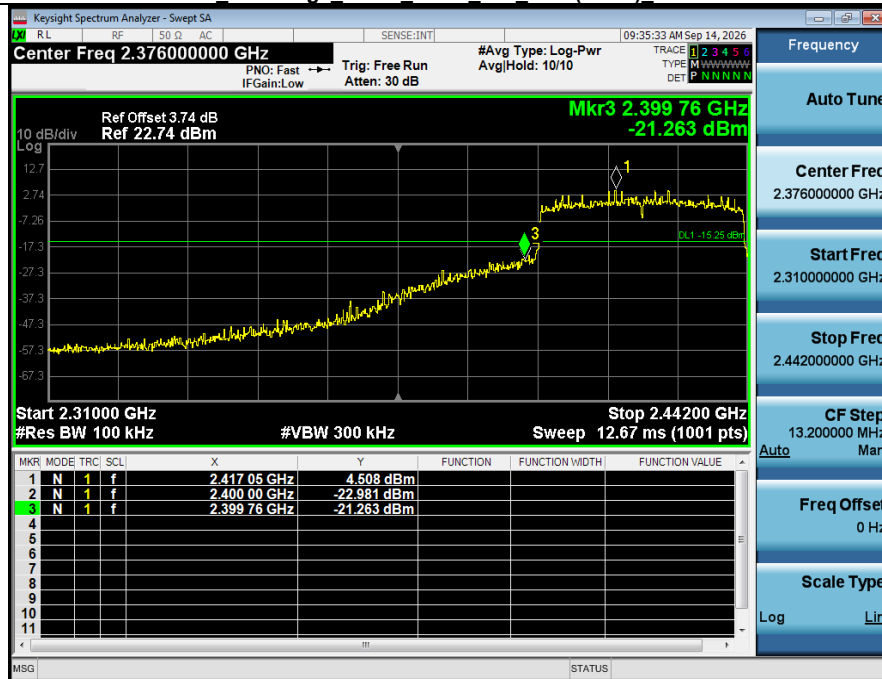
2 Bandedge NVNT ANT1_802_11ax(HE20)_2462



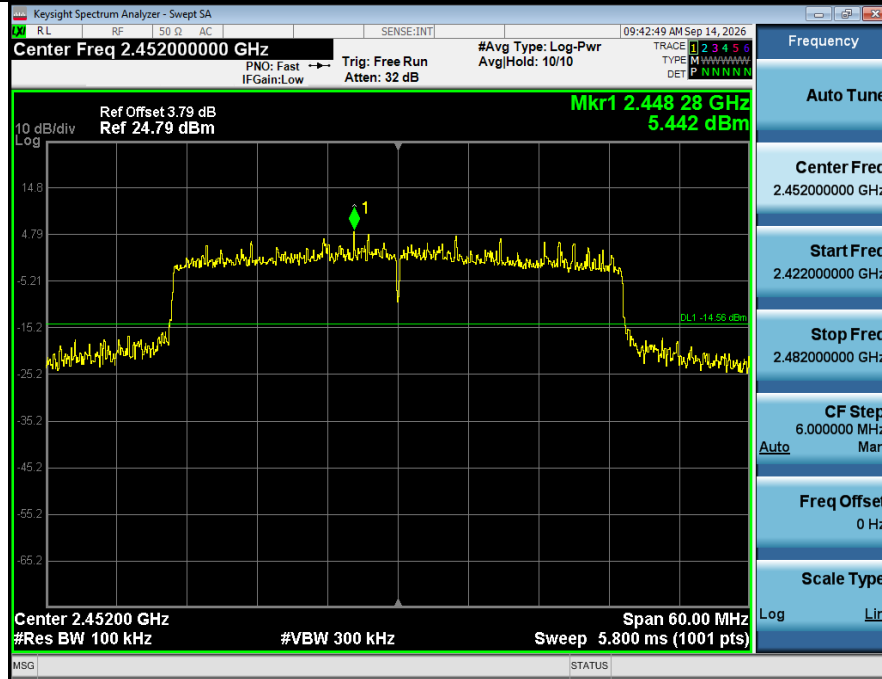
1 Reference Level NVNT ANT1 802 11ax(HE40) 2422



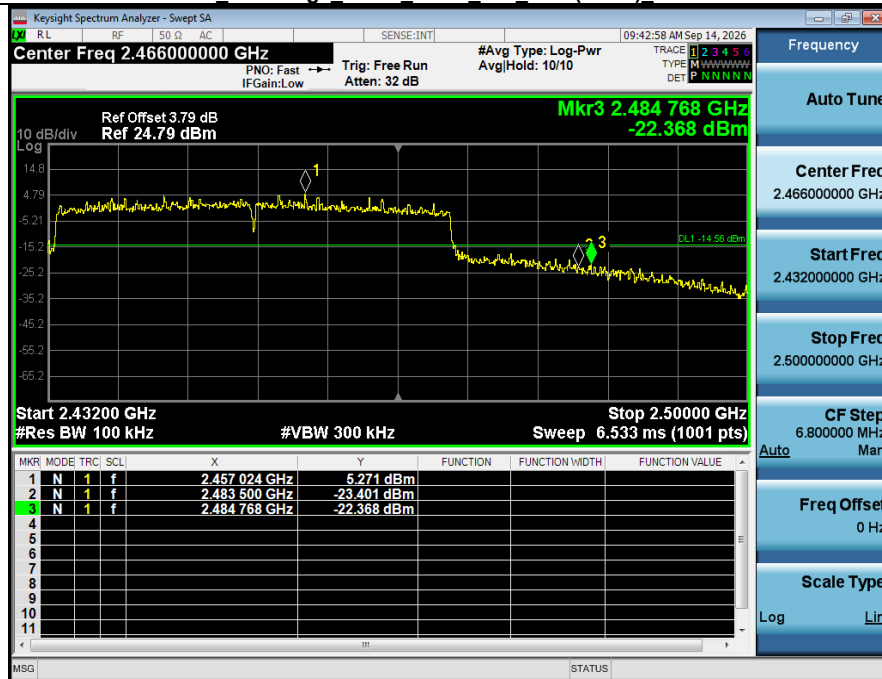
2 Bandedge NVNT ANT1 802 11ax(HE40) 2422



1 Reference Level NVNT ANT1 802 11ax(HE40) 2452

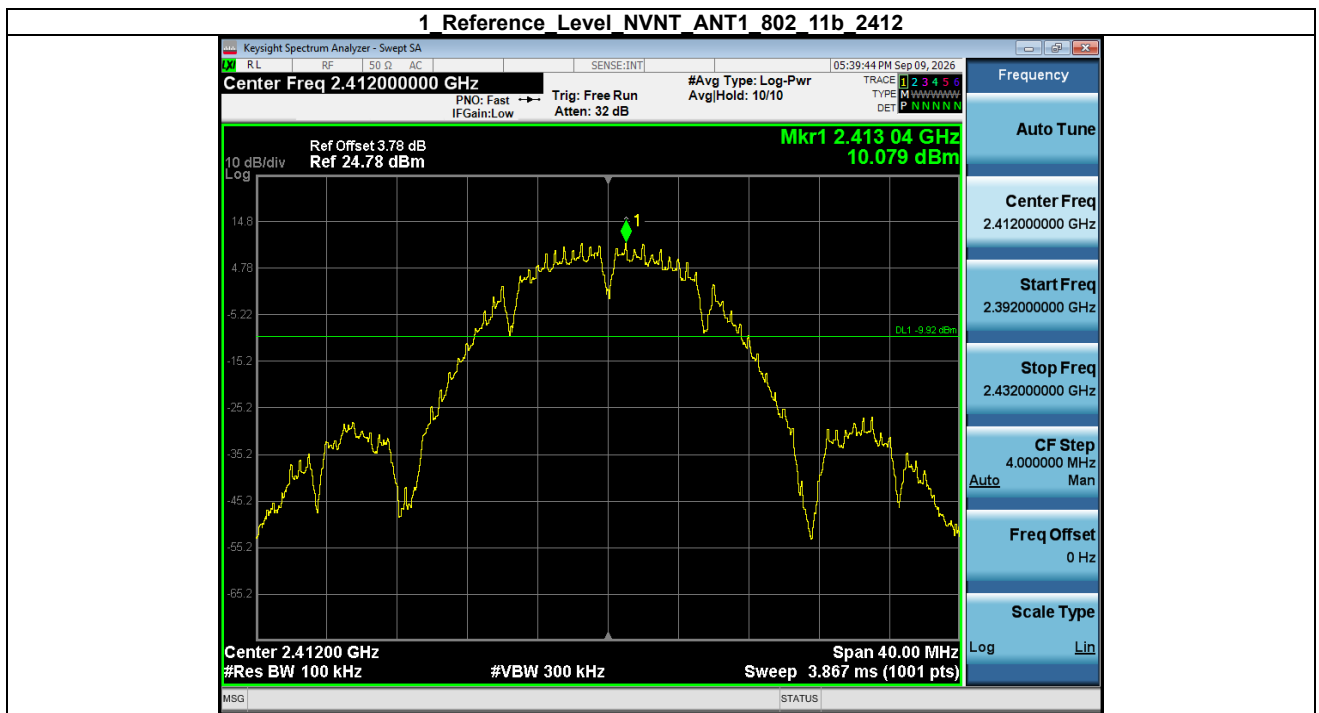


2 Bandedge NVNT ANT1 802 11ax(HE40) 2452

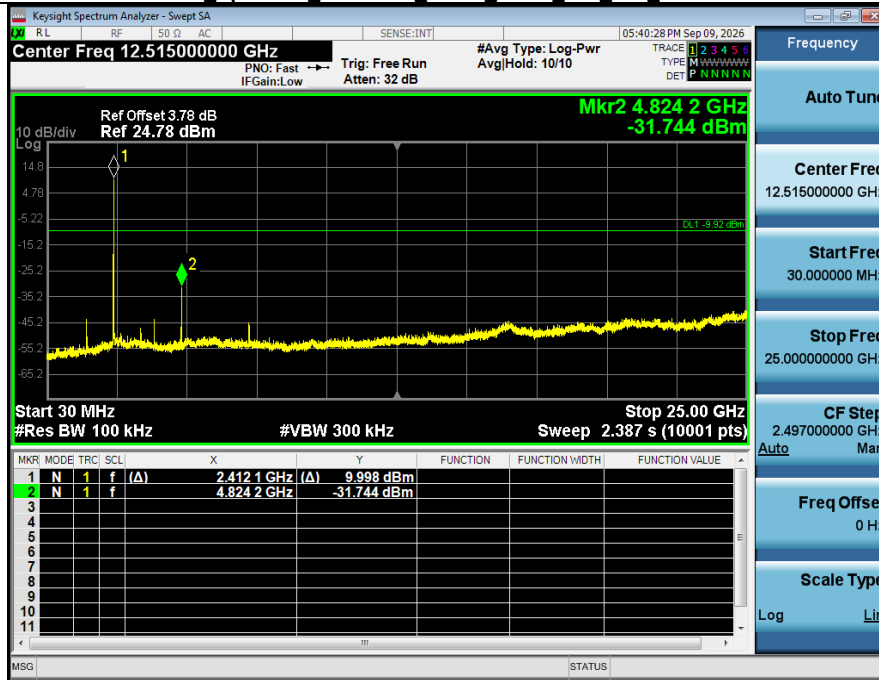


7. Spurious Emission

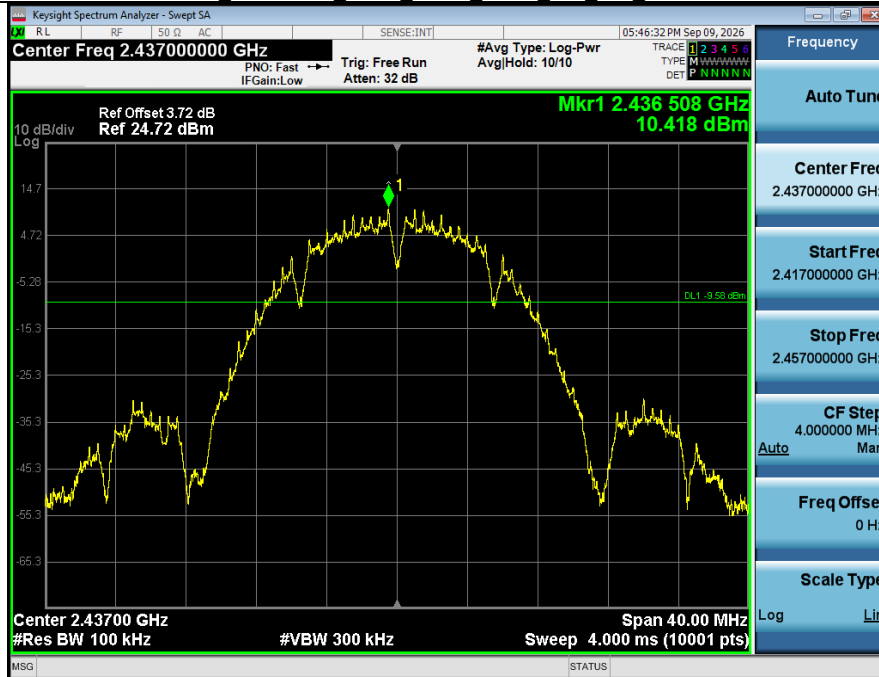
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	4824.240	10.079	-31.744	-9.921	Pass
NVNT	ANT1	802.11b	2437.00	4874.180	10.418	-29.776	-9.582	Pass
NVNT	ANT1	802.11b	2462.00	4924.120	9.365	-29.251	-10.635	Pass
NVNT	ANT1	802.11g	2412.00	4824.240	8.380	-39.680	-11.620	Pass
NVNT	ANT1	802.11g	2437.00	24952.557	8.393	-35.472	-11.607	Pass
NVNT	ANT1	802.11g	2462.00	24772.773	7.610	-37.383	-12.390	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	4821.743	8.753	-38.608	-11.247	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	24730.324	8.970	-42.565	-11.030	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	4921.623	6.726	-37.522	-13.274	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	4841.719	4.927	-43.680	-15.073	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	24992.509	5.709	-38.734	-14.291	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2502.030	4.153	-37.870	-15.847	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	24877.647	7.955	-37.551	-12.045	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	24705.354	6.746	-38.110	-13.254	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	25000.000	8.511	-41.833	-11.489	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	24870.156	4.752	-42.531	-15.248	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	2502.030	5.914	-42.887	-14.086	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	2502.030	5.442	-33.874	-14.558	Pass



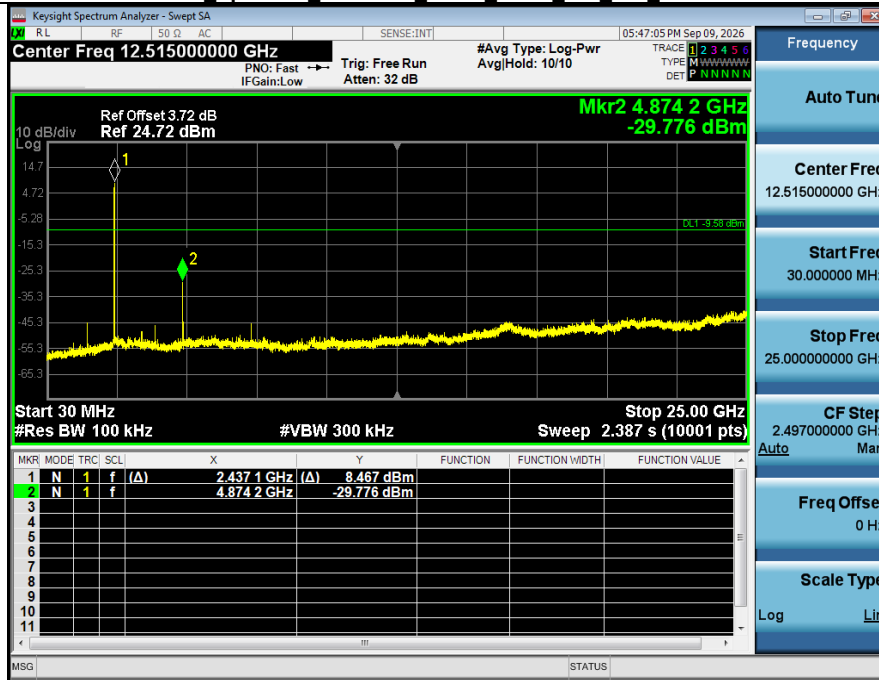
2 Spurious Emission NVNT ANT1 802 11b 2412



1 Reference Level NVNT ANT1 802 11b 2437



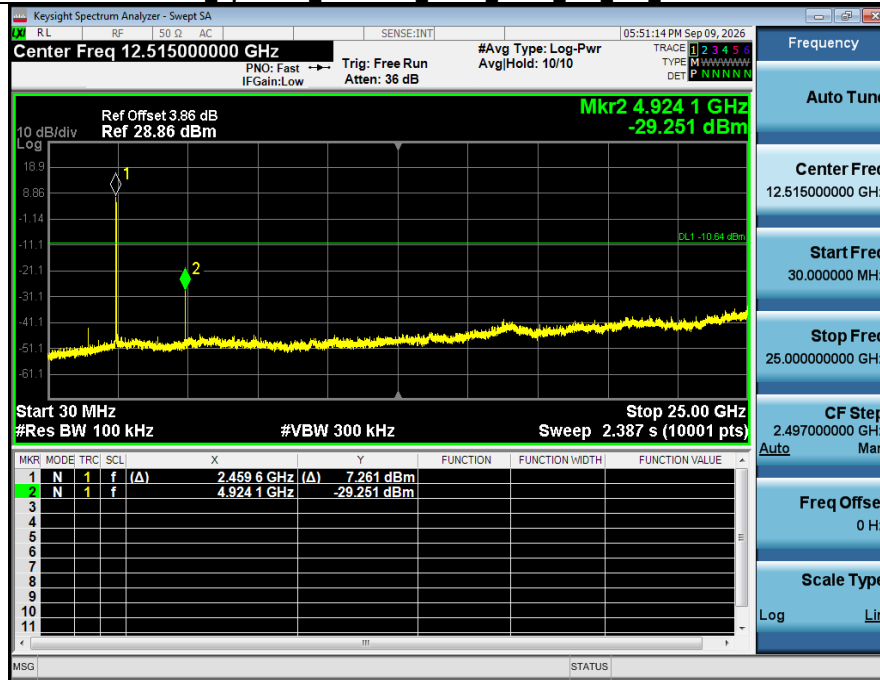
2 Spurious Emission NVNT ANT1 802 11b 2437



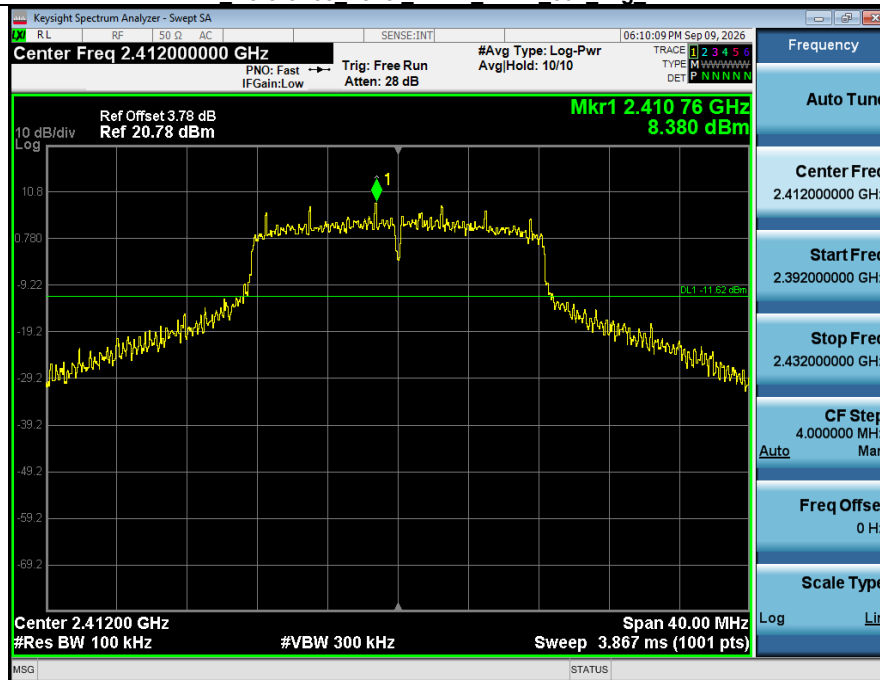
1 Reference Level NVNT ANT1 802 11b 2462



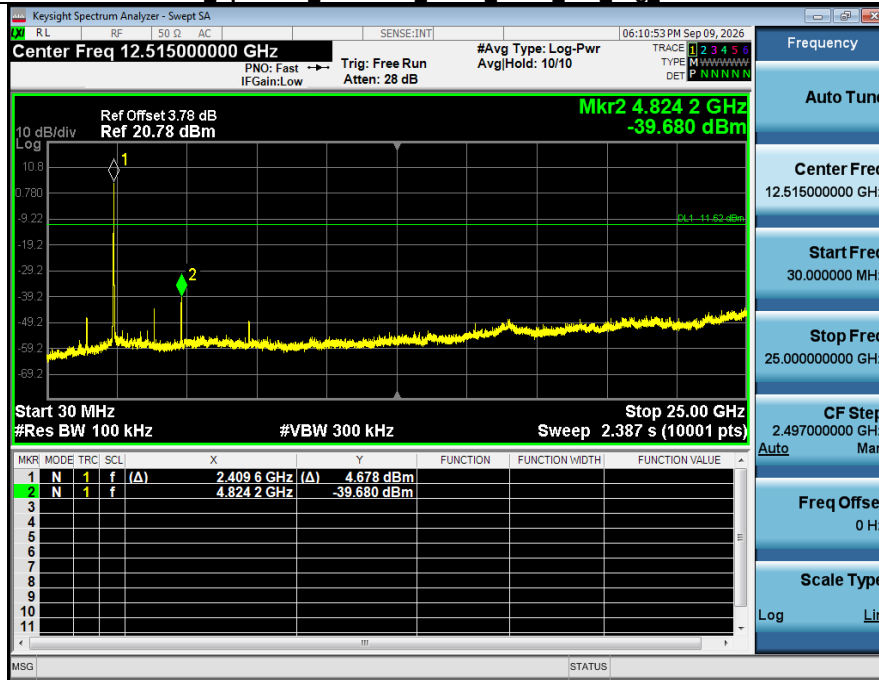
2 Spurious Emission NVNT ANT1 802 11b 2462



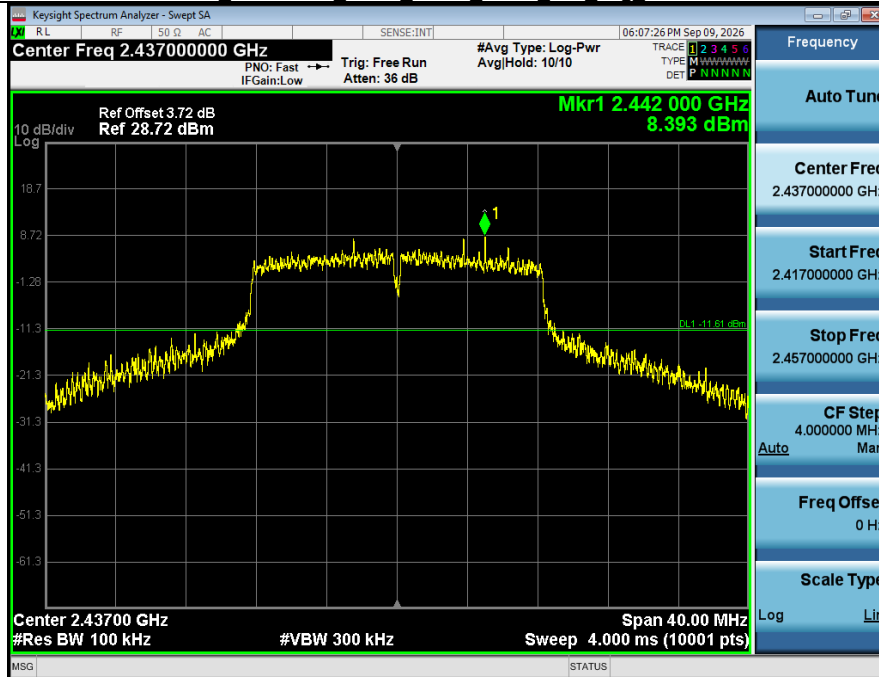
1 Reference Level NVNT ANT1 802 11g 2412



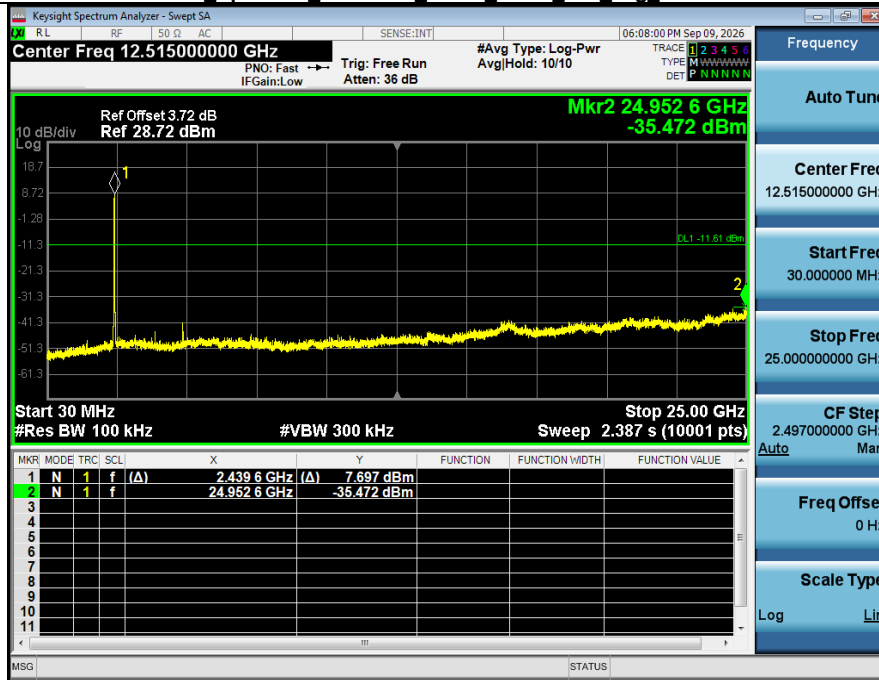
2 Spurious Emission NVNT ANT1 802 11g 2412



1 Reference Level NVNT ANT1 802 11g 2437



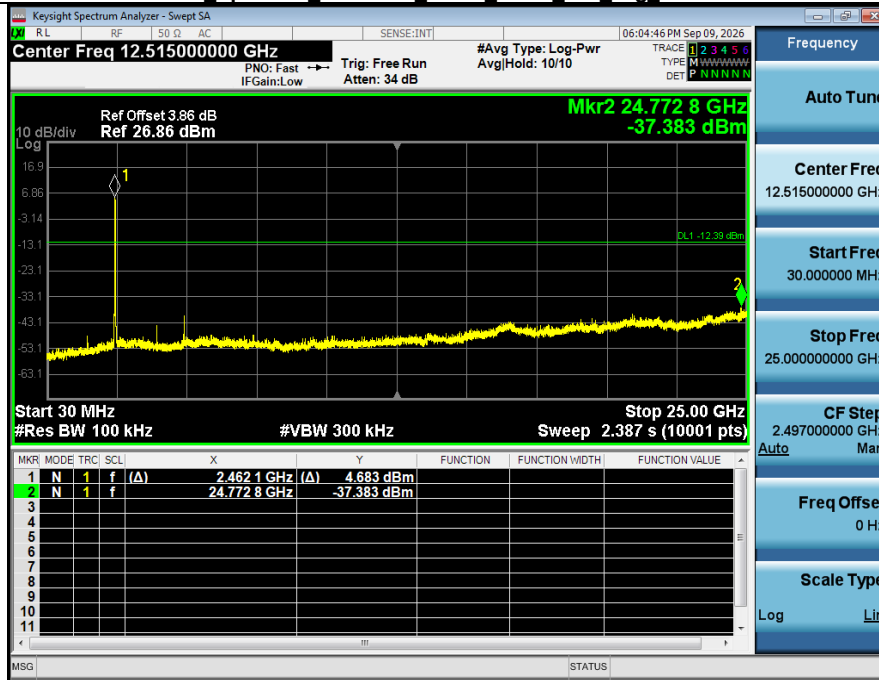
2 Spurious Emission NVNT ANT1 802 11g 2437



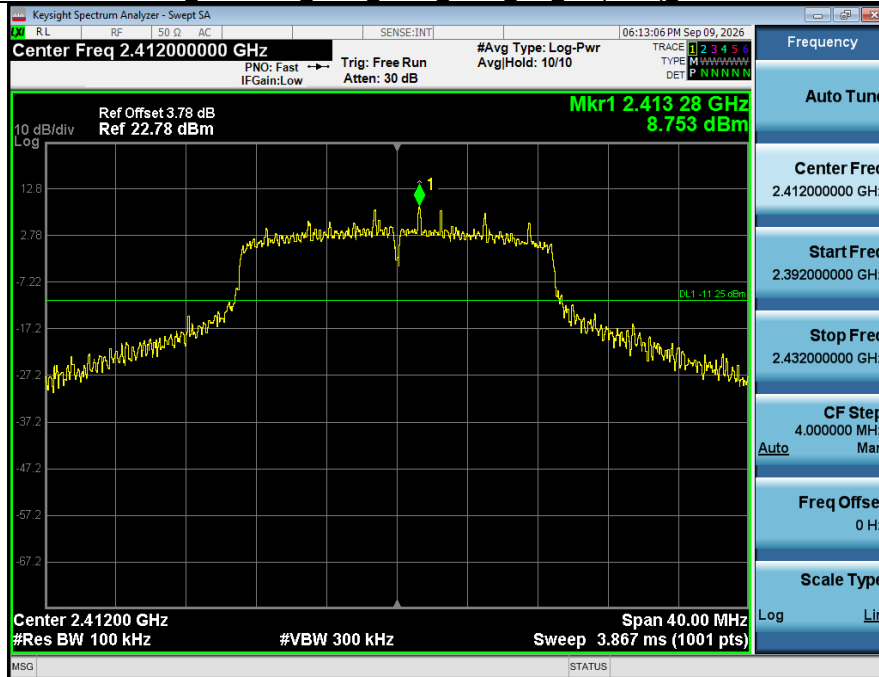
1 Reference Level NVNT ANT1 802 11g 2462



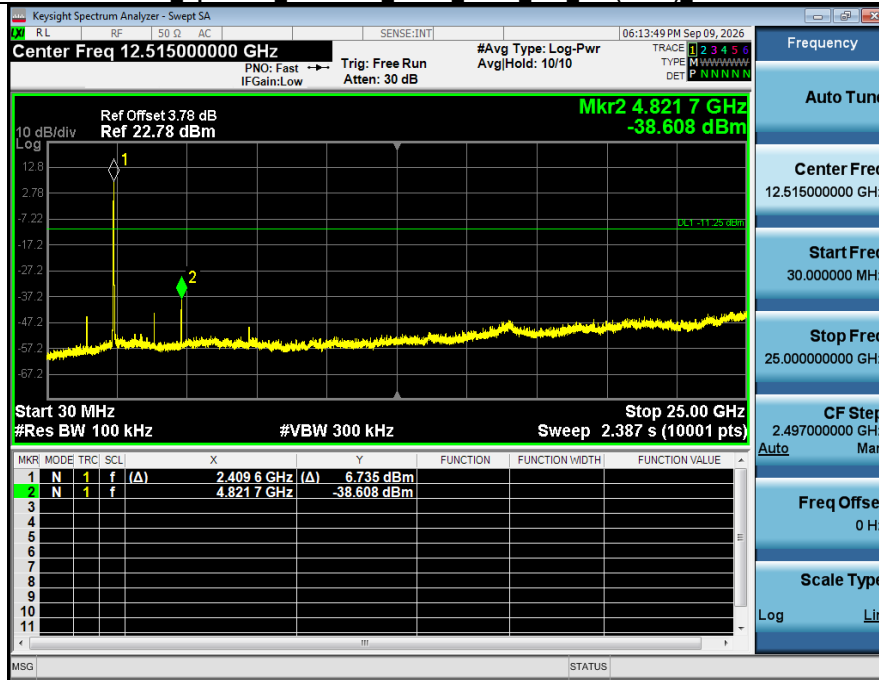
2 Spurious Emission NVNT_ANT1_802_11g_2462



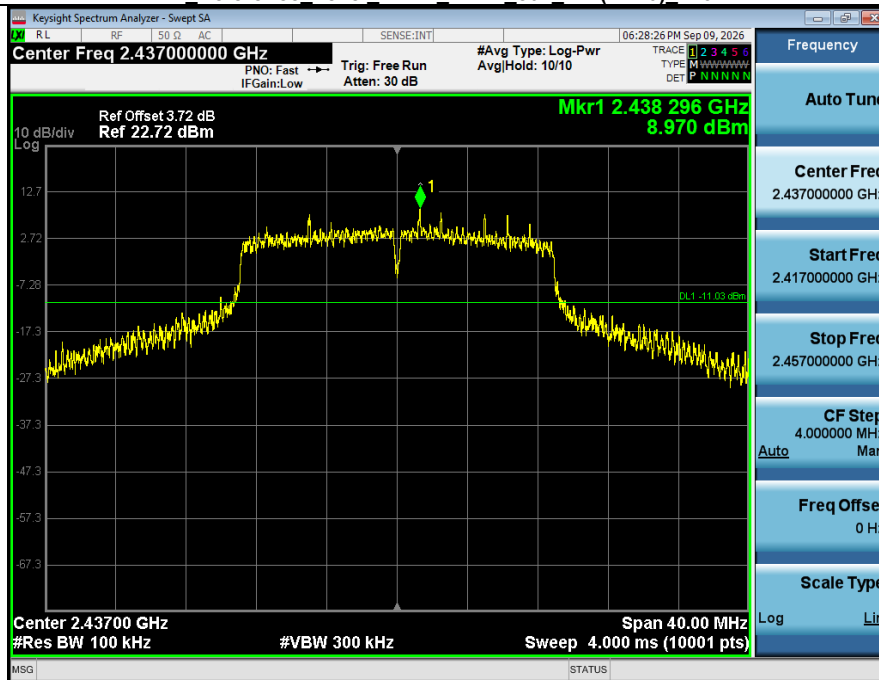
1 Reference Level NVNT_ANT1_802_11n(HT20)_2412



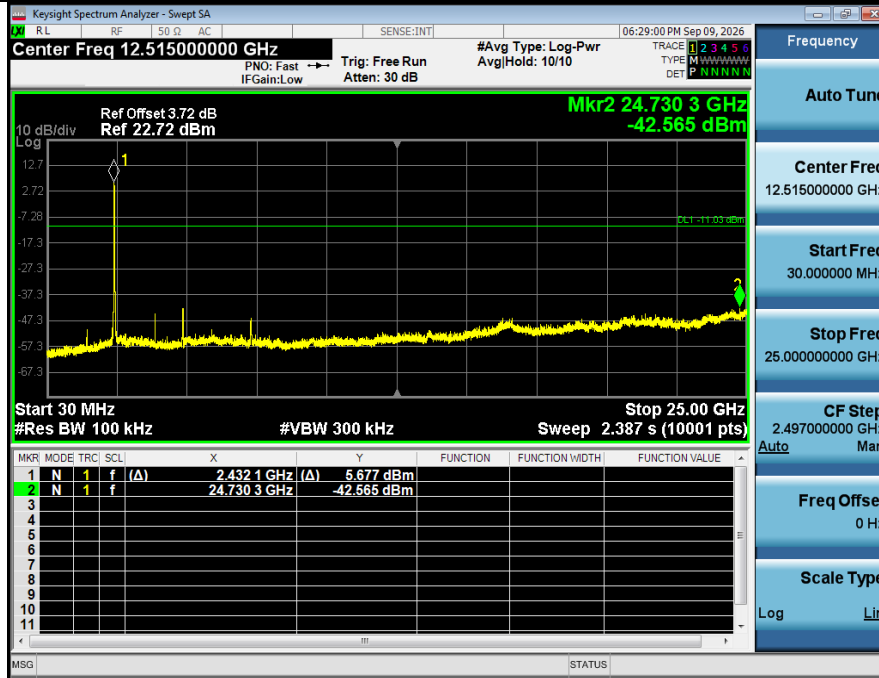
2 Spurious Emission NVNT_ANT1_802_11n(HT20) 2412



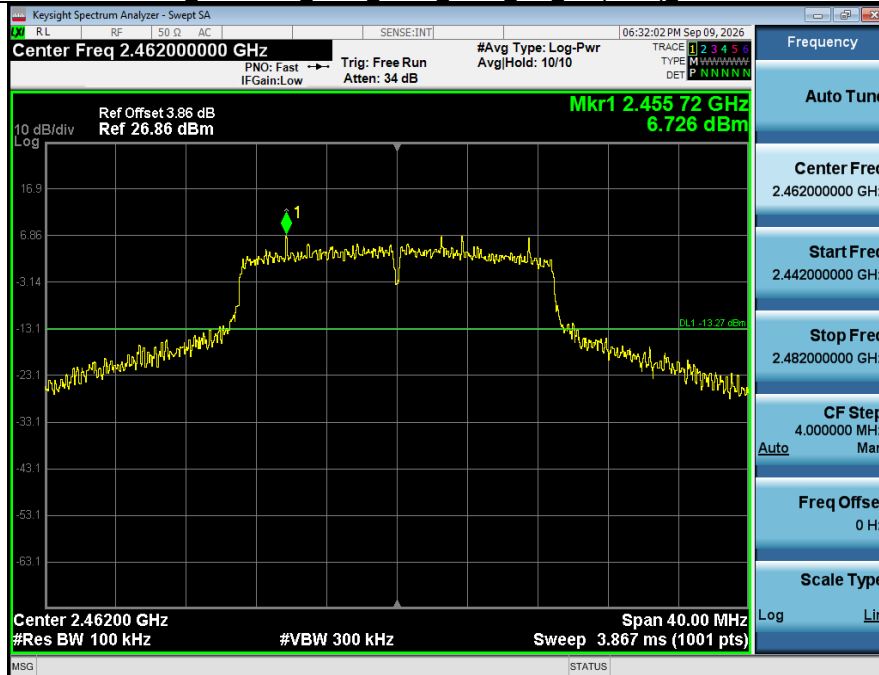
1 Reference Level NVNT_ANT1_802_11n(HT20) 2437



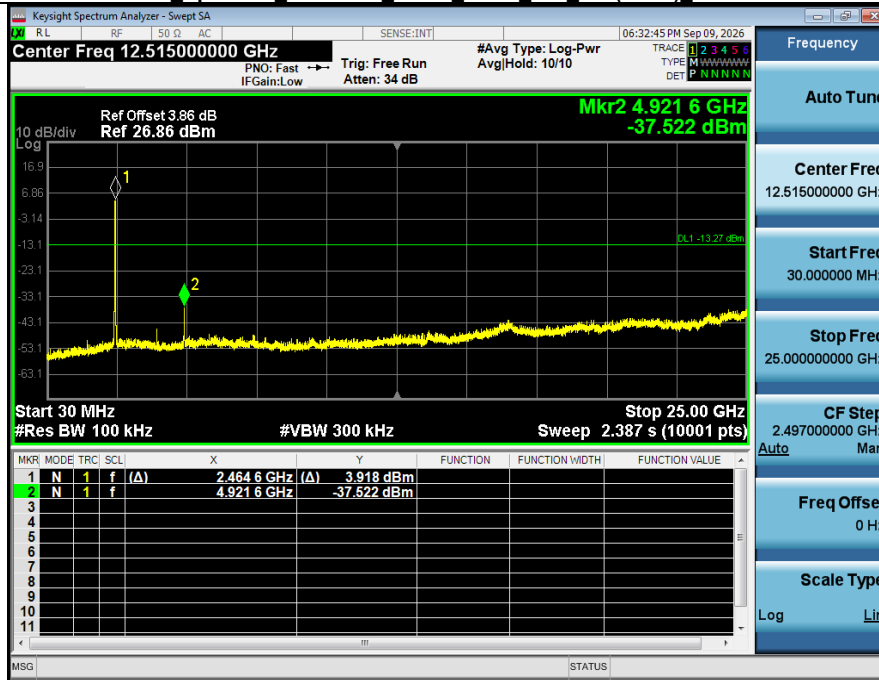
2 Spurious Emission NVNT_ANT1_802_11n(HT20)_2437



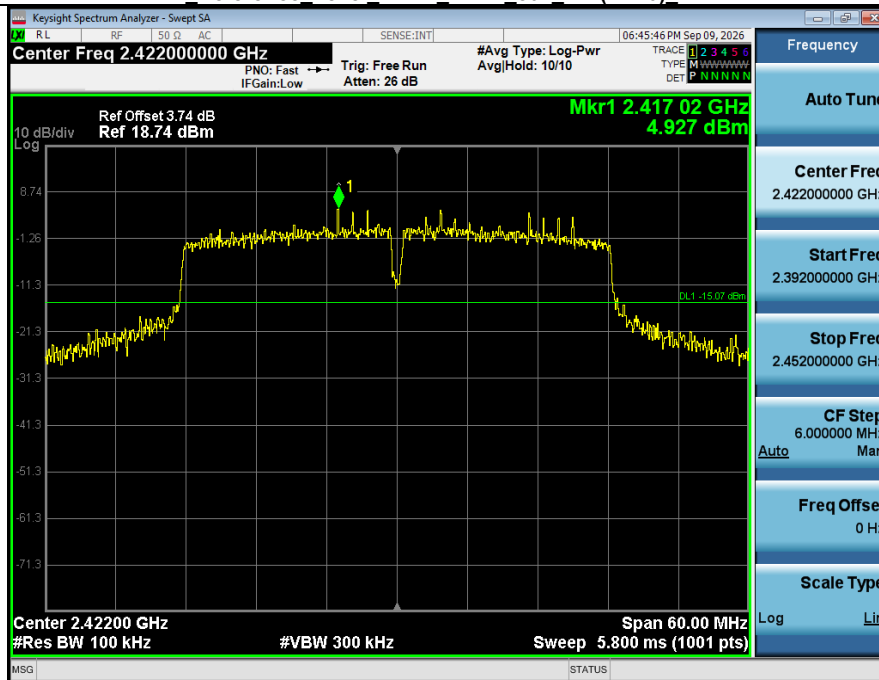
1 Reference Level NVNT_ANT1_802_11n(HT20)_2462



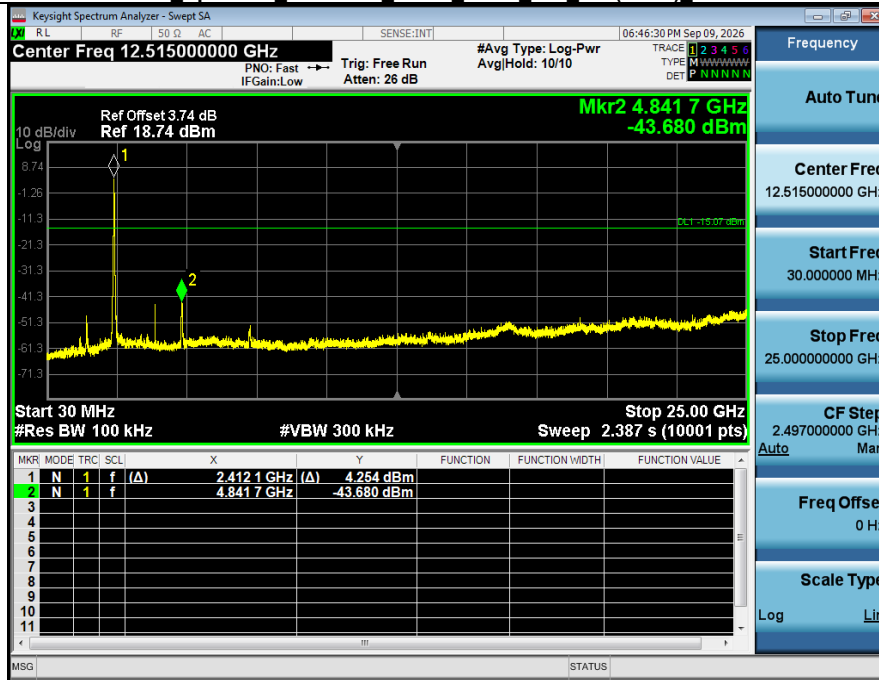
2 Spurious Emission NVNT_ANT1_802_11n(HT20) 2462



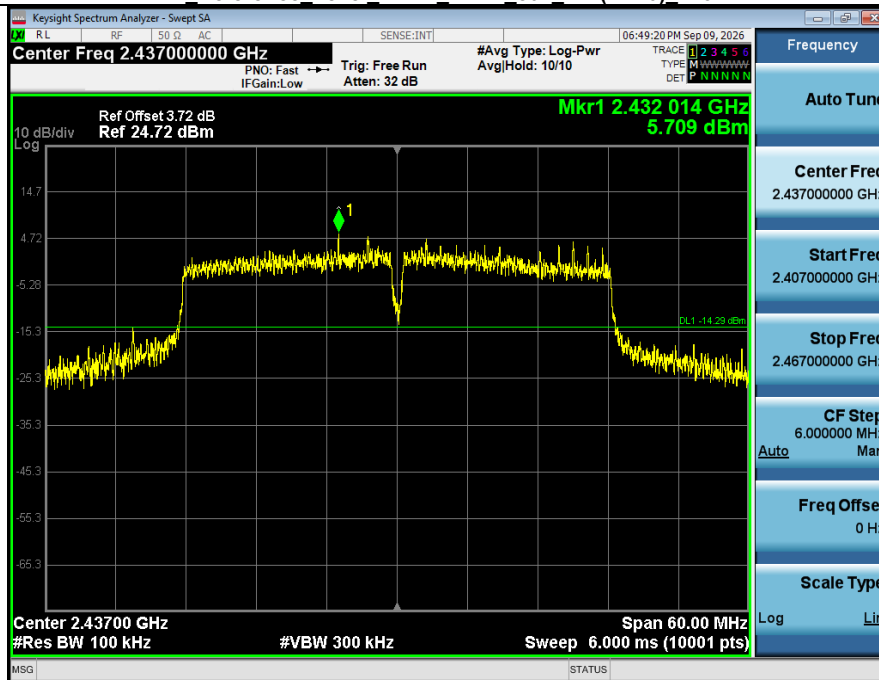
1 Reference Level NVNT_ANT1_802_11n(HT40) 2422



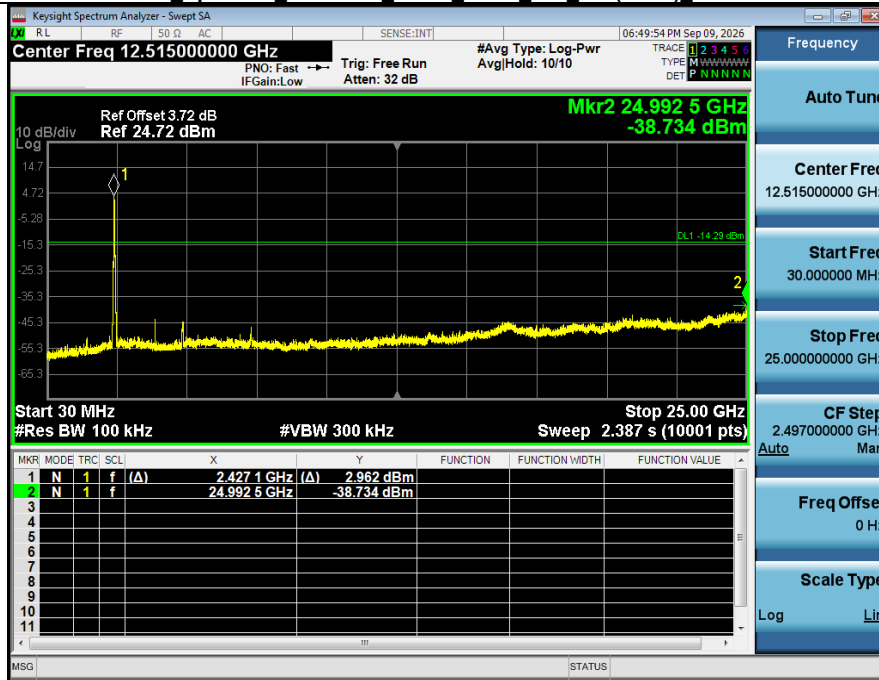
2 Spurious Emission NVNT ANT1_802_11n(HT40) 2422



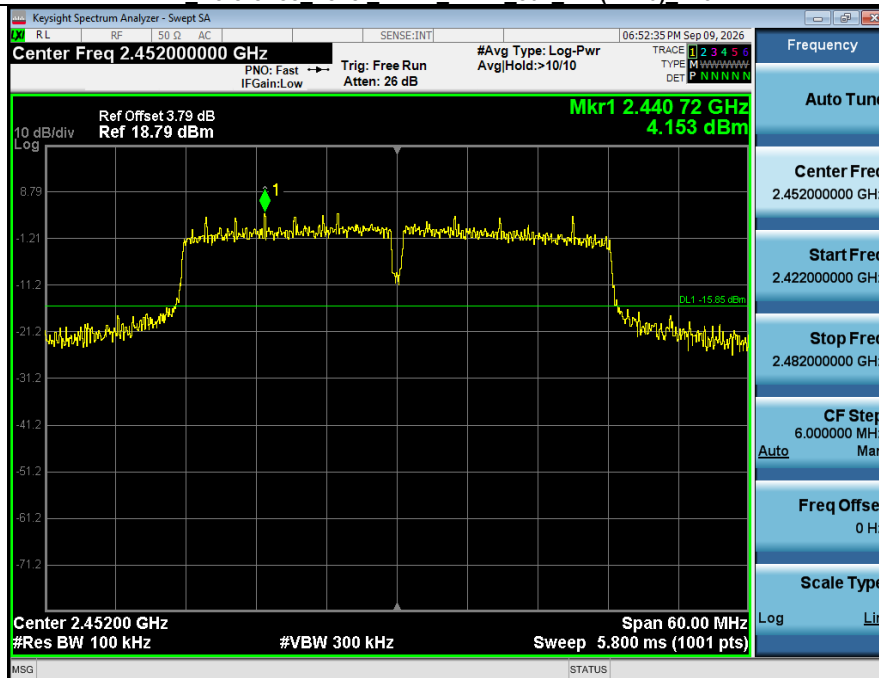
1 Reference Level NVNT ANT1_802_11n(HT40) 2437



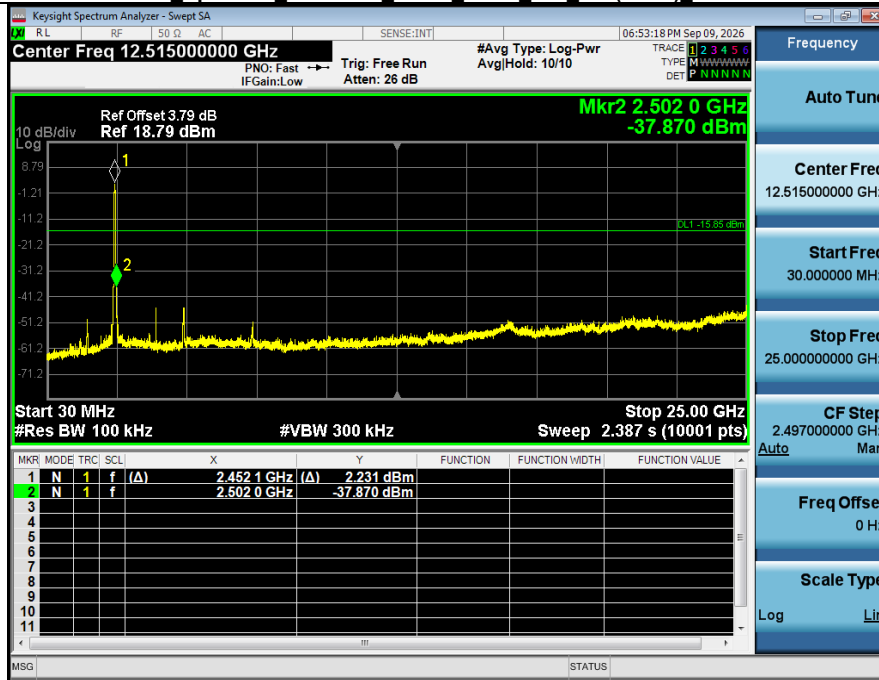
2 Spurious Emission NVNT_ANT1_802_11n(HT40) 2437



1 Reference Level NVNT_ANT1_802_11n(HT40) 2452



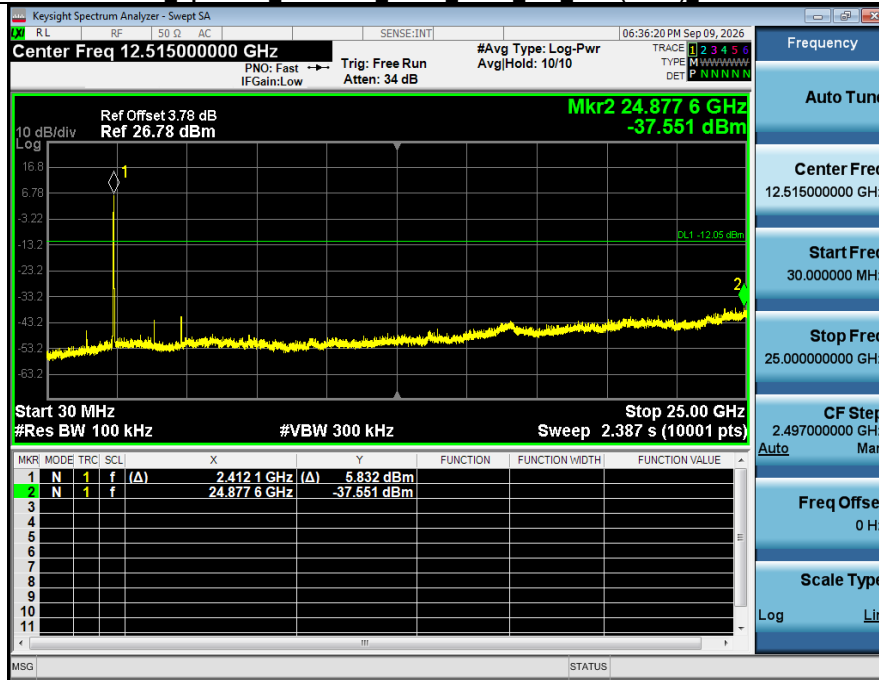
2 Spurious Emission NVNT ANT1_802_11n(HT40) 2452



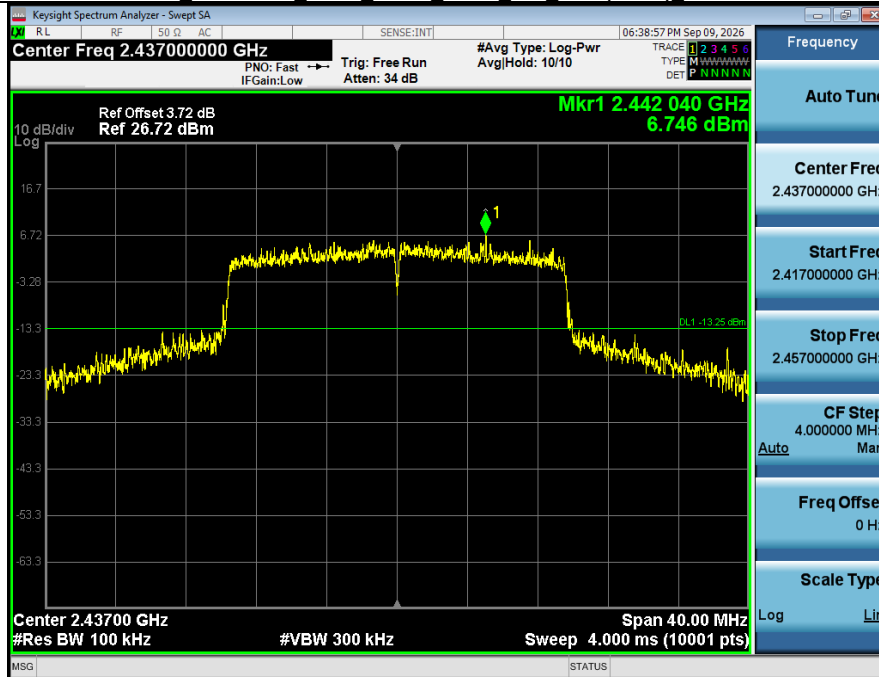
1 Reference Level NVNT ANT1_802_11ax(HE20) 2412



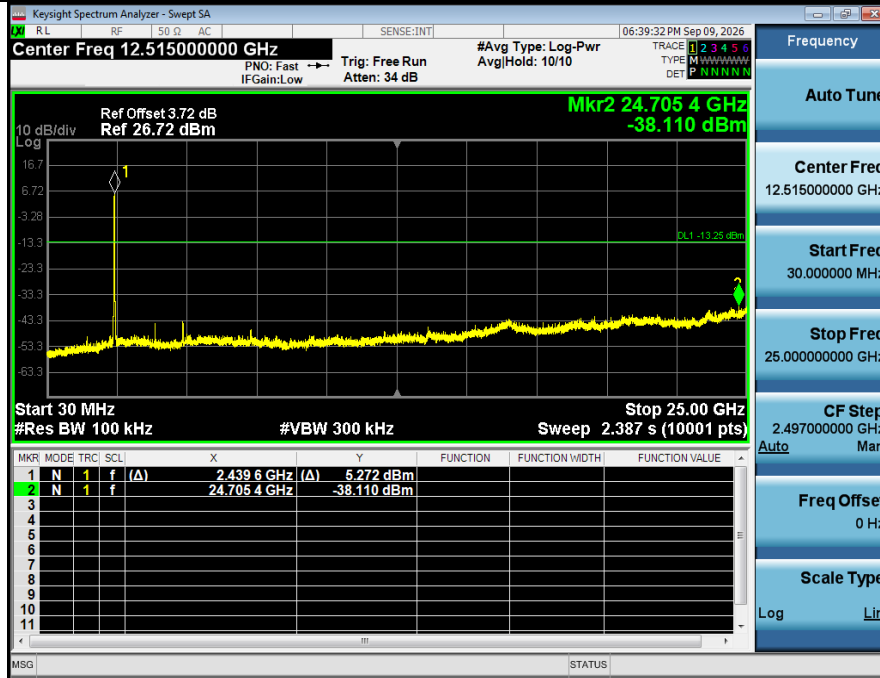
2 Spurious Emission NVNT ANT1 802 11ax(HE20) 2412



1 Reference Level NVNT ANT1 802 11ax(HE20) 2437



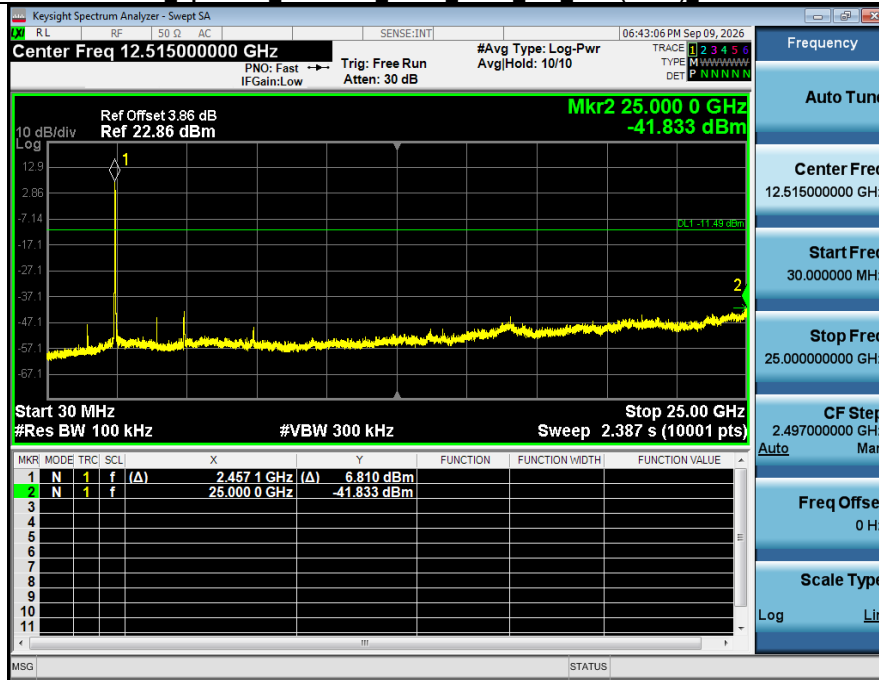
2 Spurious Emission NVNT ANT1 802 11ax(HE20) 2437



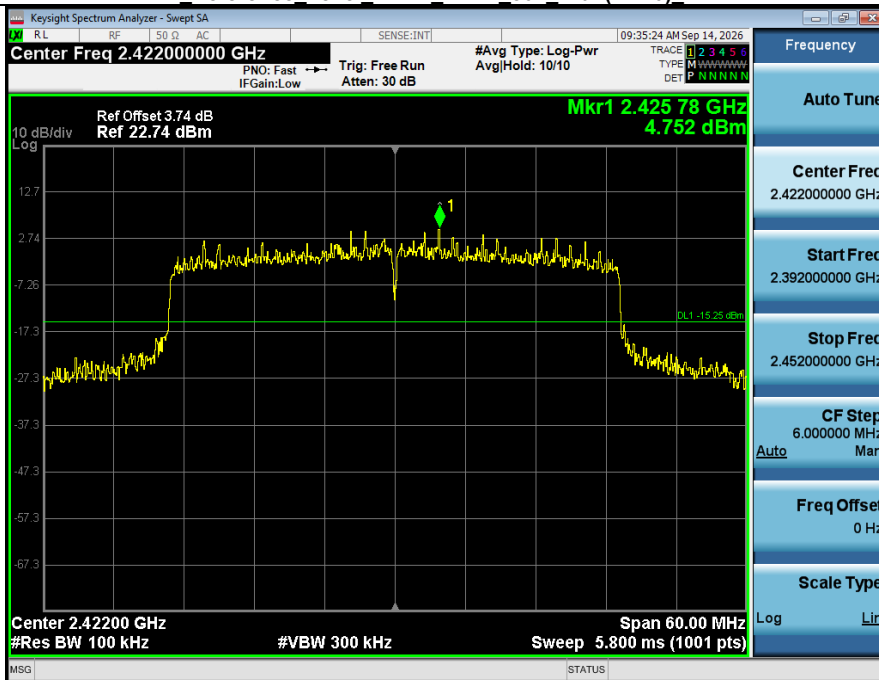
1 Reference Level NVNT ANT1 802 11ax(HE20) 2462



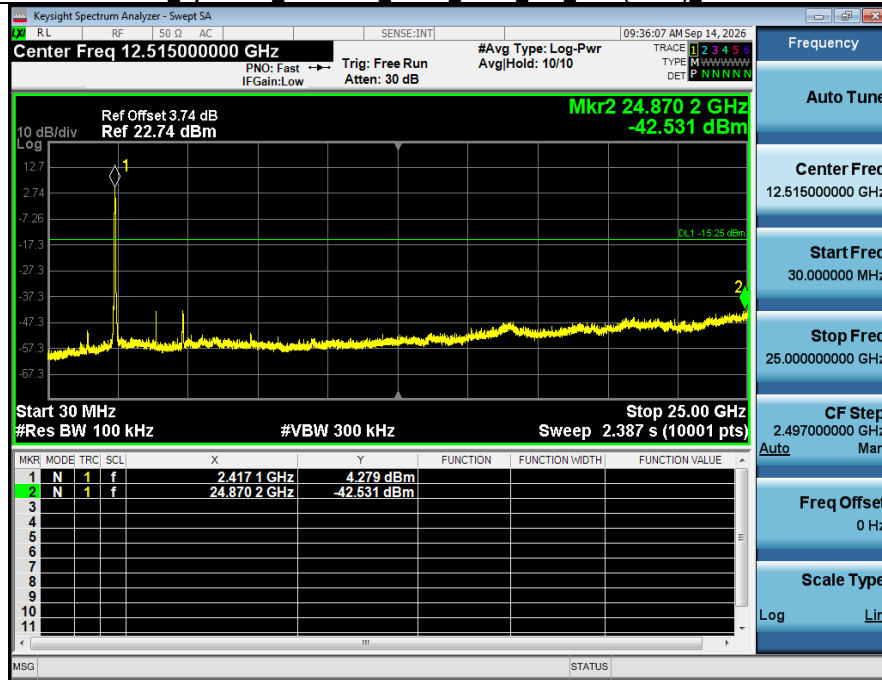
2 Spurious Emission NVNT ANT1 802 11ax(HE20) 2462



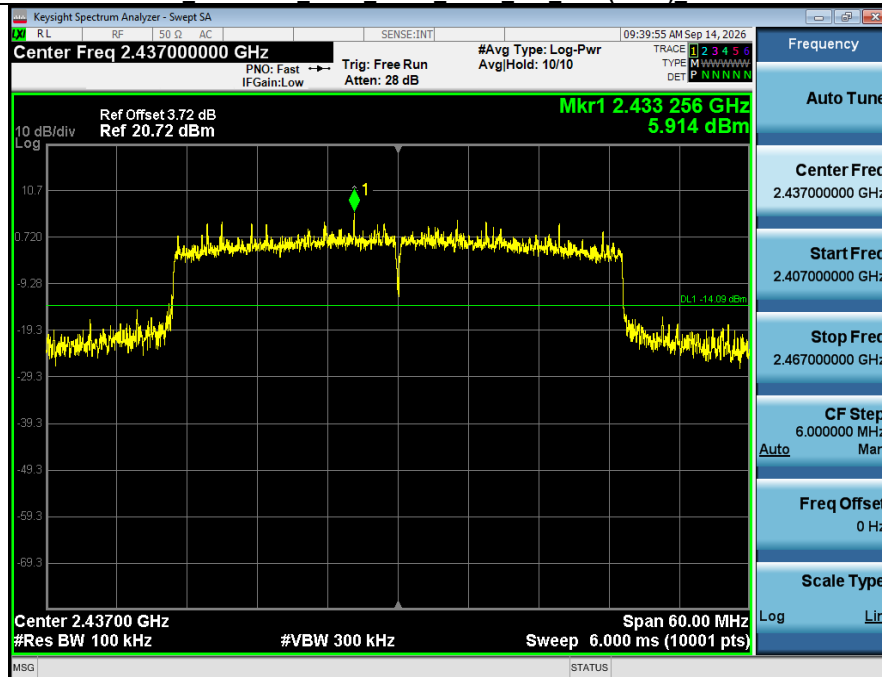
1 Reference Level NVNT ANT1 802 11ax(HE40) 2422



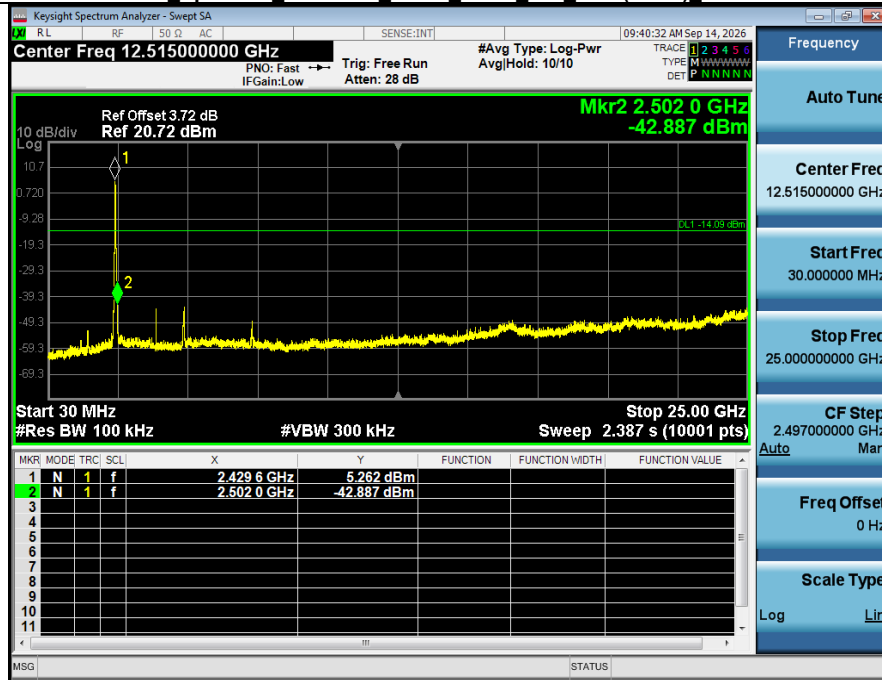
2 Spurious Emission NVNT ANT1 802 11ax(HE40) 2422



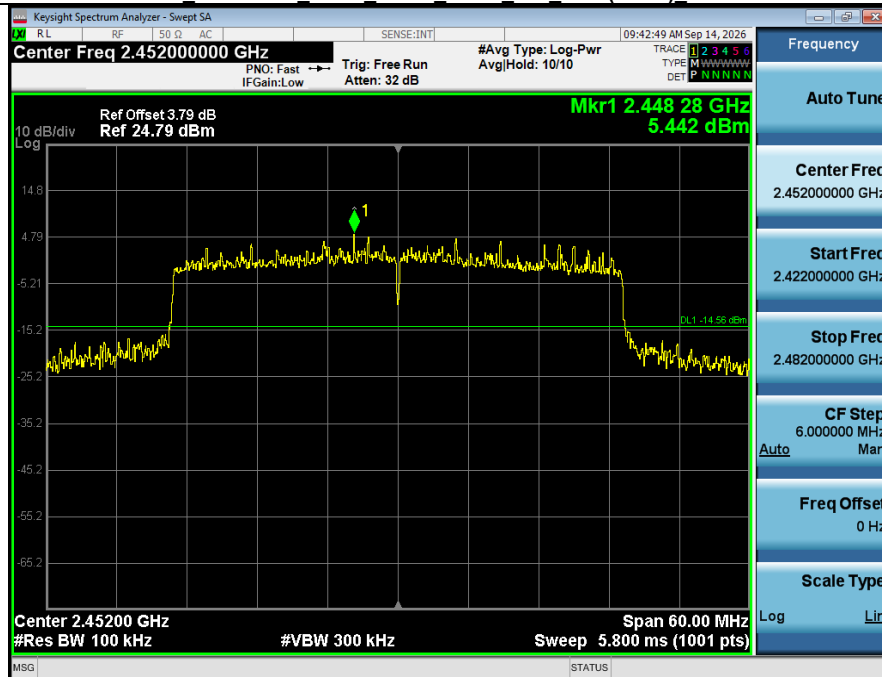
1 Reference Level NVNT ANT1 802 11ax(HE40) 2437



2 Spurious Emission NVNT ANT1 802 11ax(HE40) 2437



1 Reference Level NVNT ANT1 802 11ax(HE40) 2452



2 Spurious Emission NVNT ANT1 802_11ax(HE40) 2452

