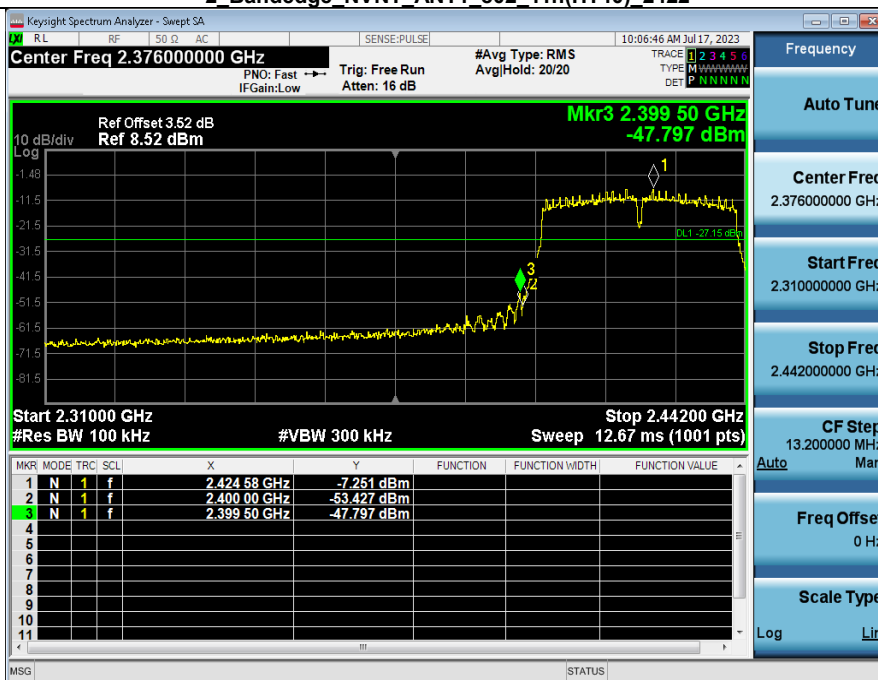
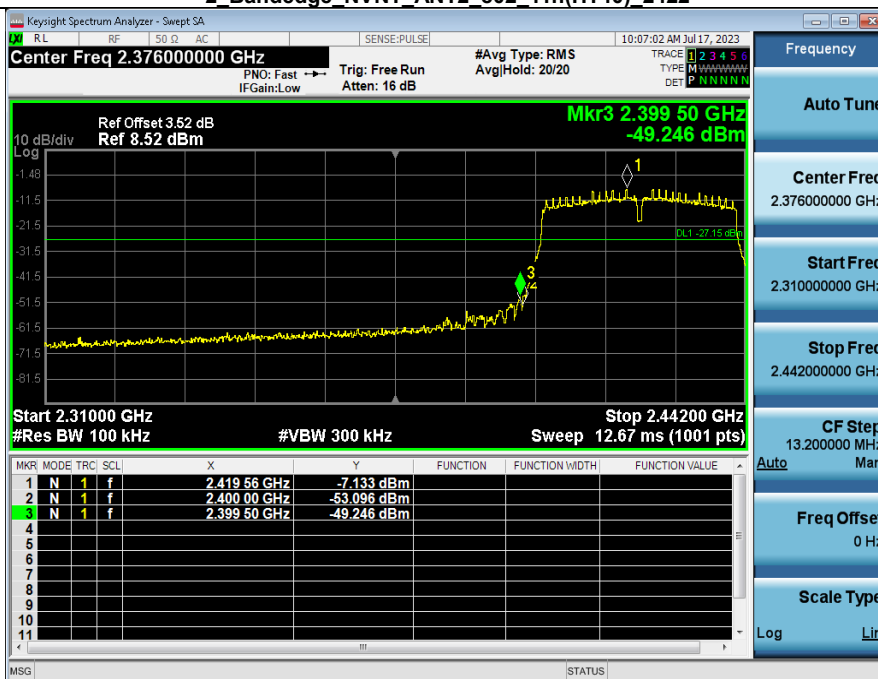
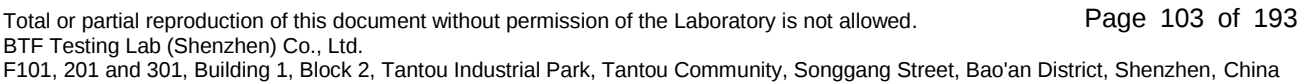


2 Bandedge_NVNT_ANT1_802_11n(HT40)_2422

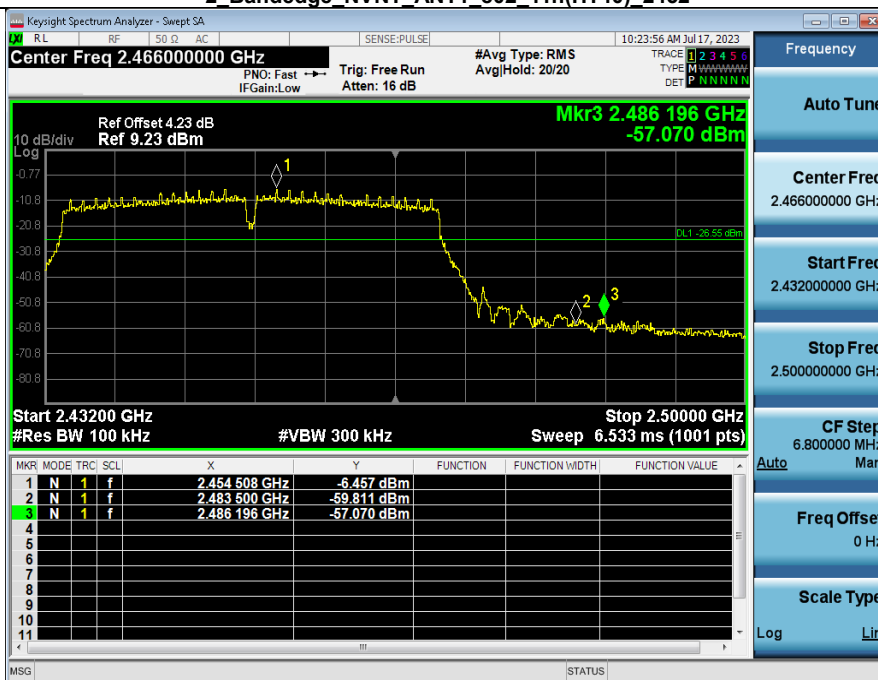


2 Bandedge_NVNT_ANT2_802_11n(HT40)_2422

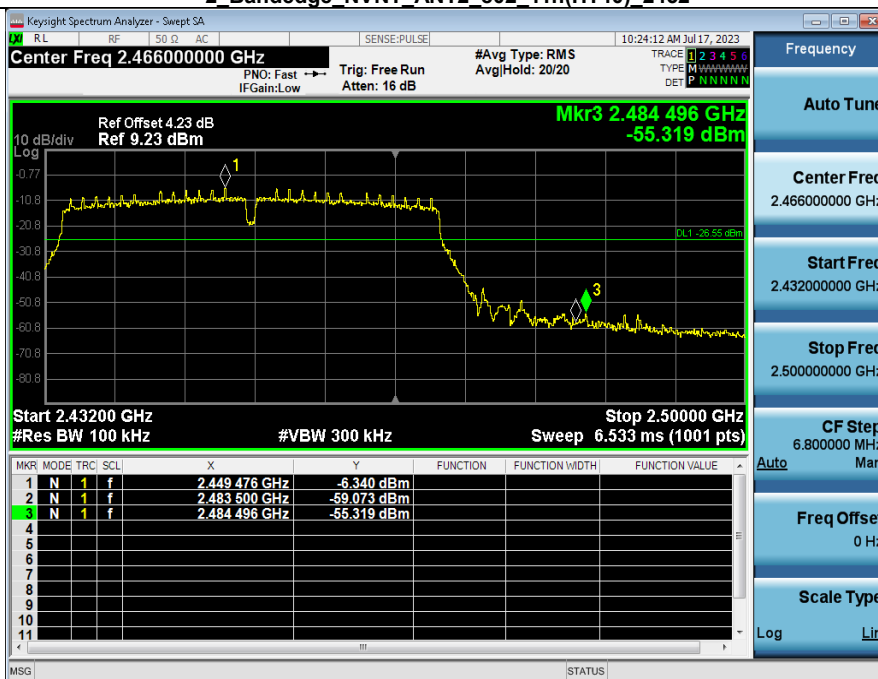




2 Bandedge_NVNT_ANT1_802_11n(HT40)_2452



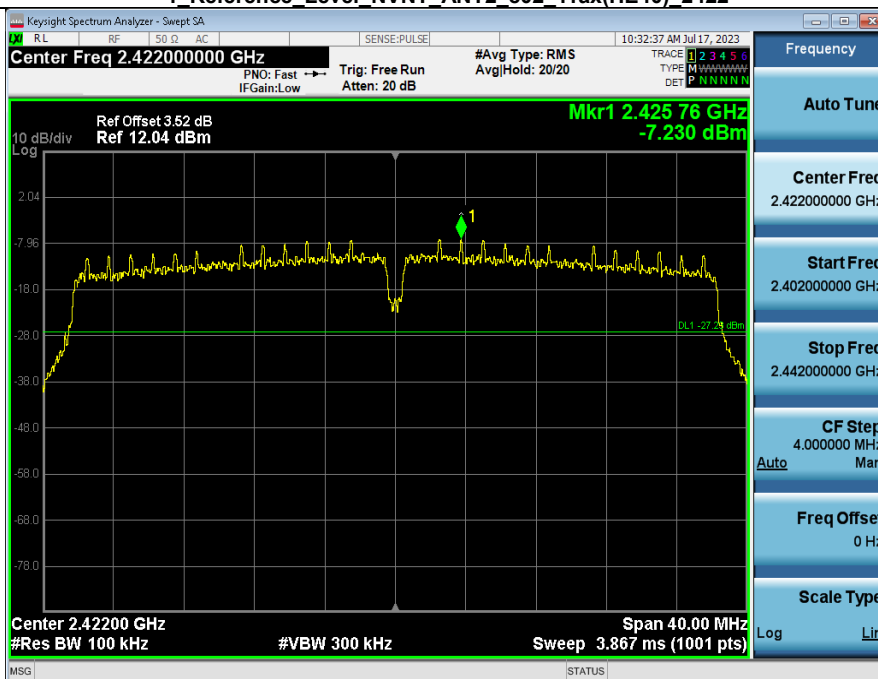
2 Bandedge_NVNT_ANT2_802_11n(HT40)_2452



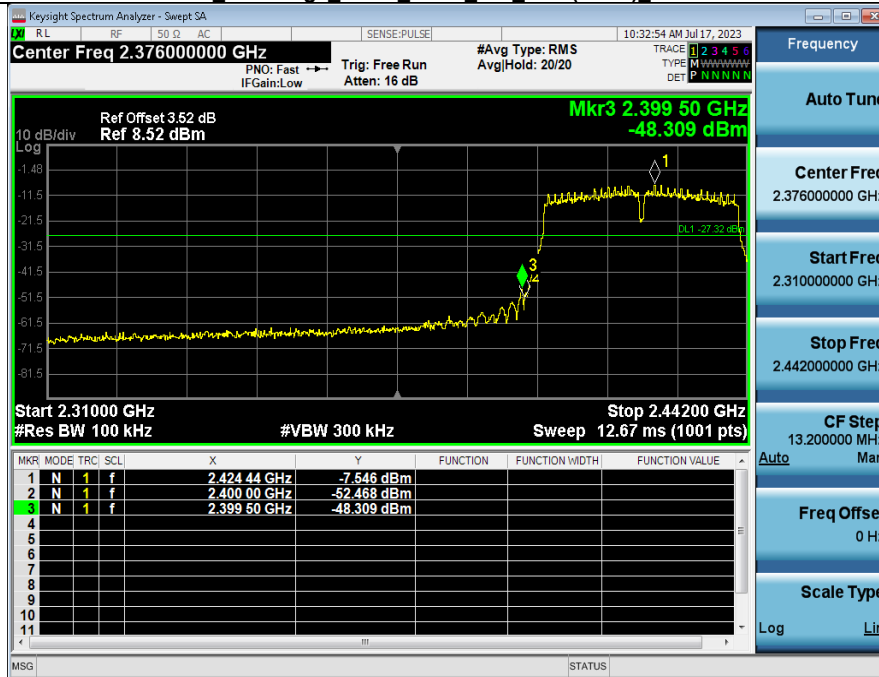
1 Reference Level NVNT_ANT1_802_11ax(HE40)_2422



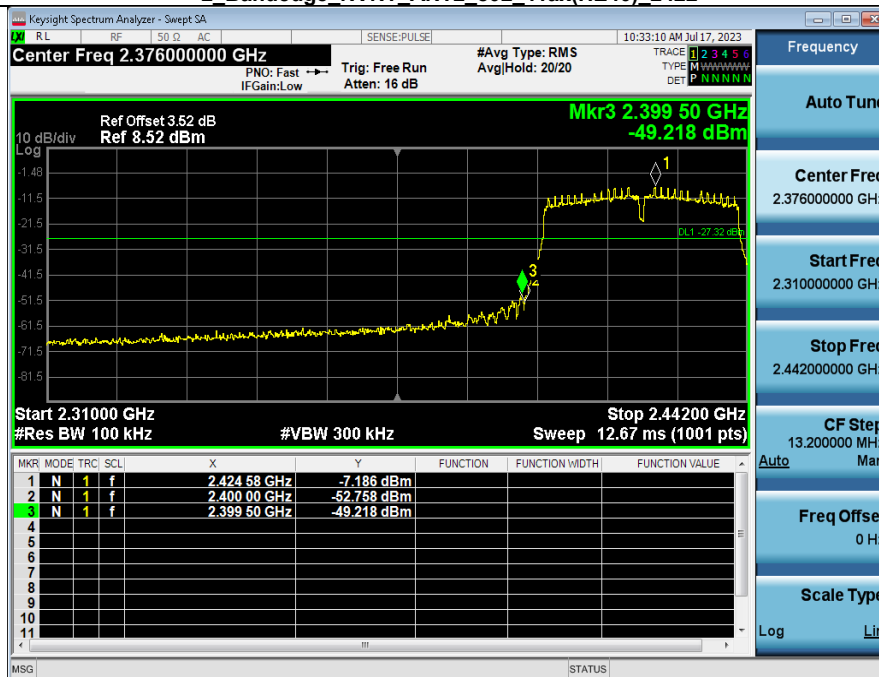
1 Reference Level NVNT_ANT2_802_11ax(HE40)_2422



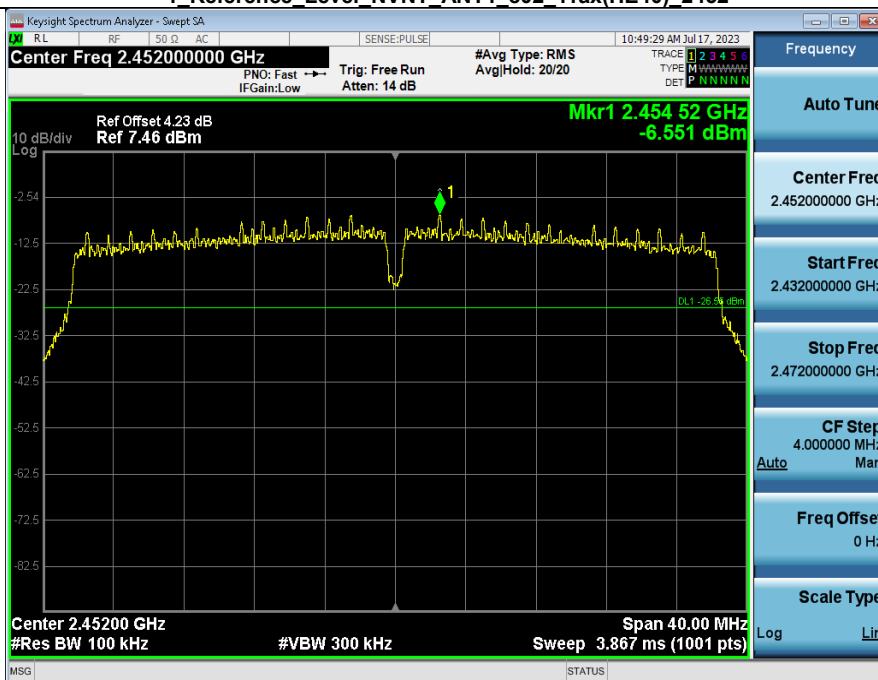
2_Bandedge_NVNT_ANT1_802_11ax(HE40)_2422



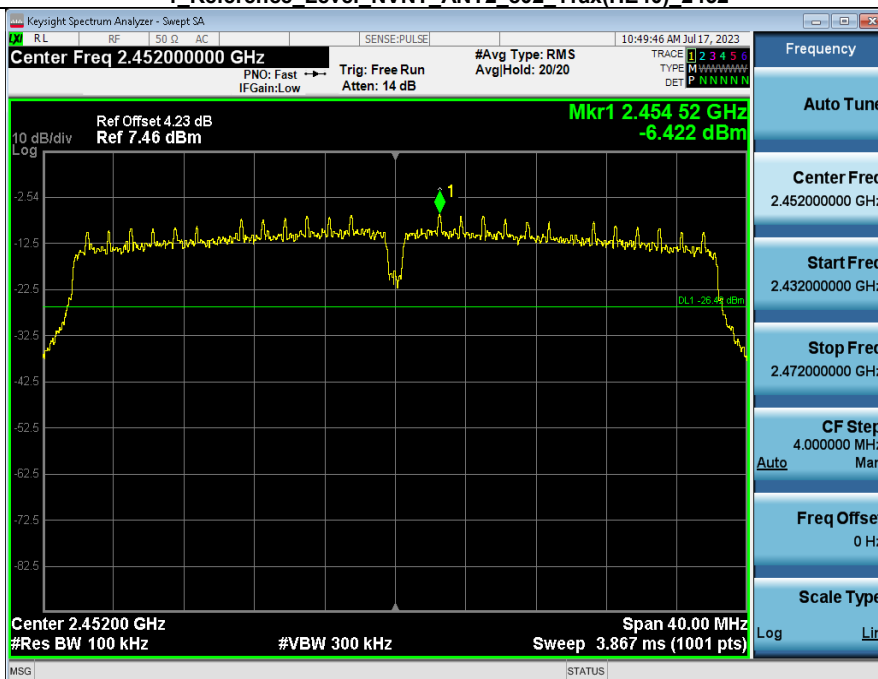
2_Bandedge_NVNT_ANT2_802_11ax(HE40)_2422



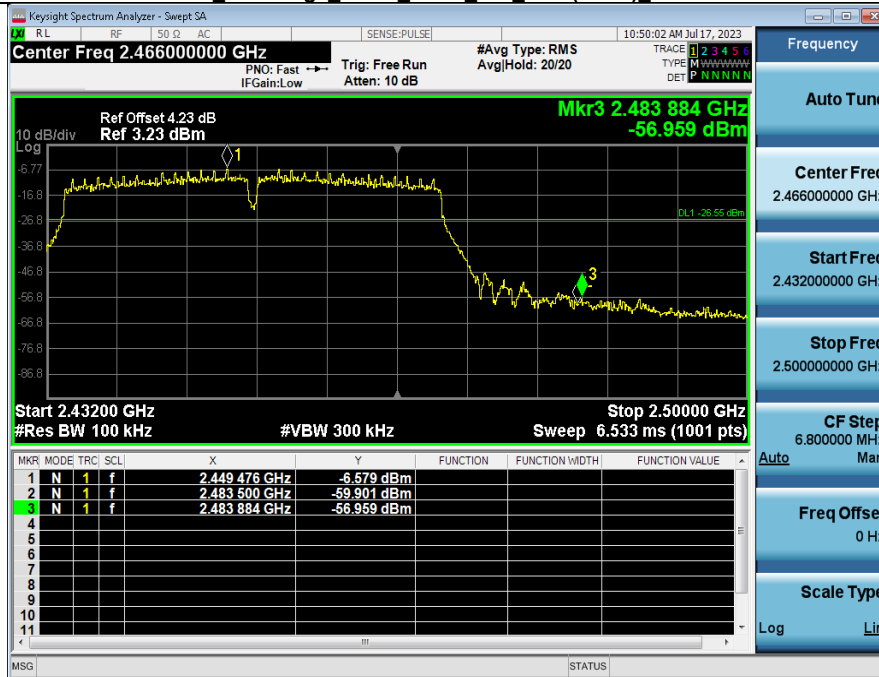
1 Reference Level NVNT_ANT1_802_11ax(HE40) 2452



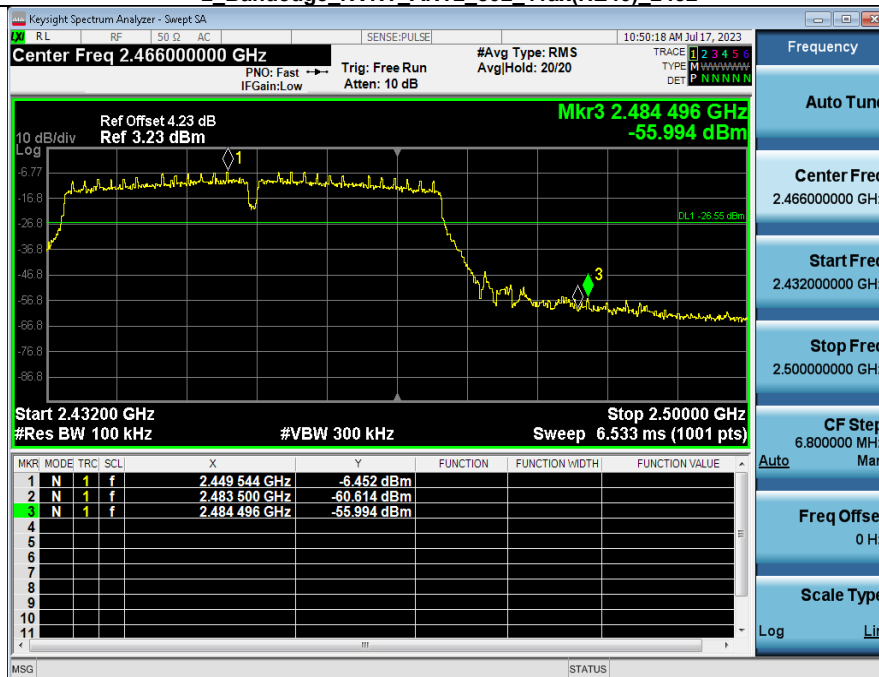
1 Reference Level NVNT_ANT2_802_11ax(HE40) 2452



2 Bandedge_NVNT_ANT1_802_11ax(HE40)_2452

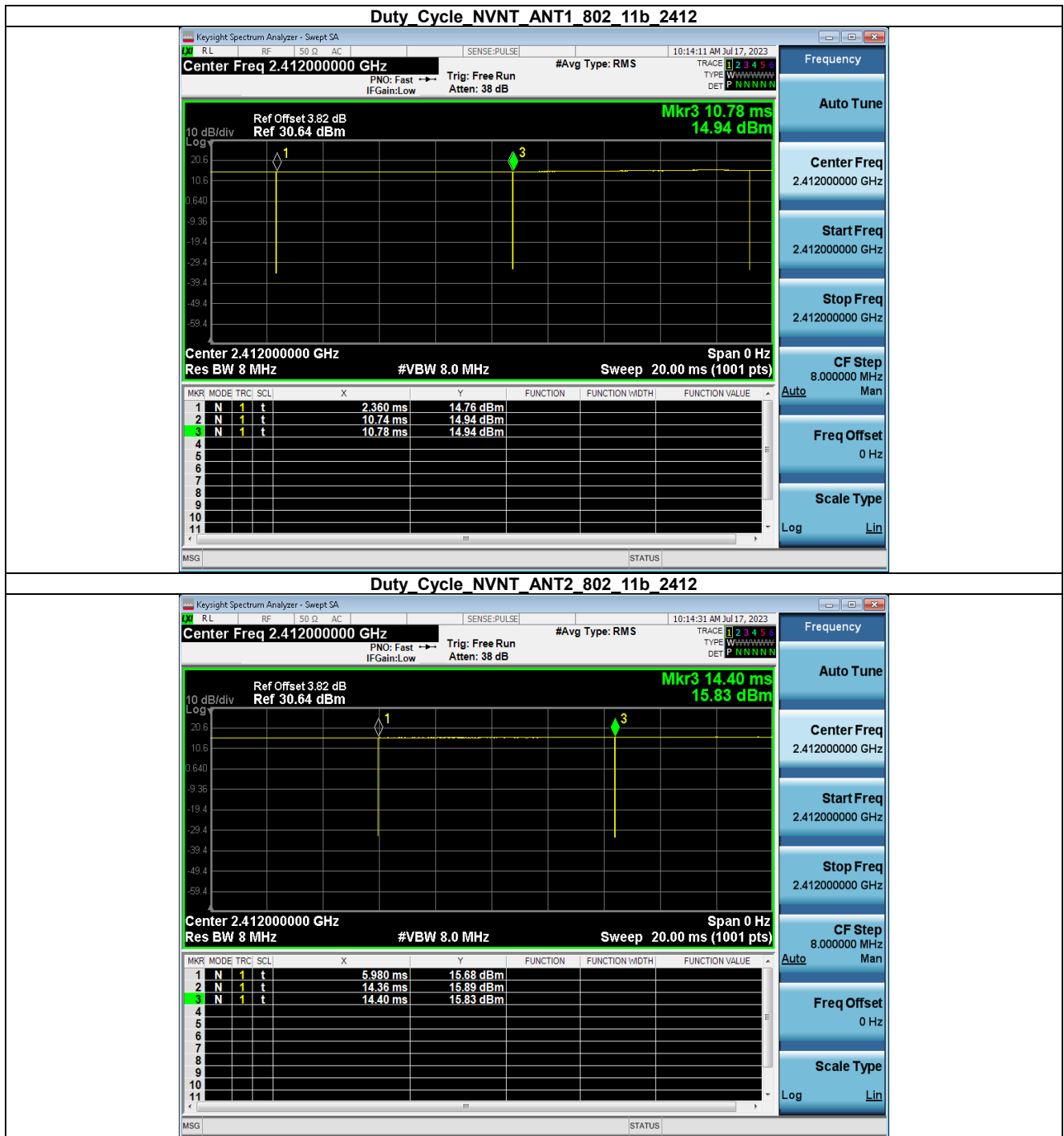


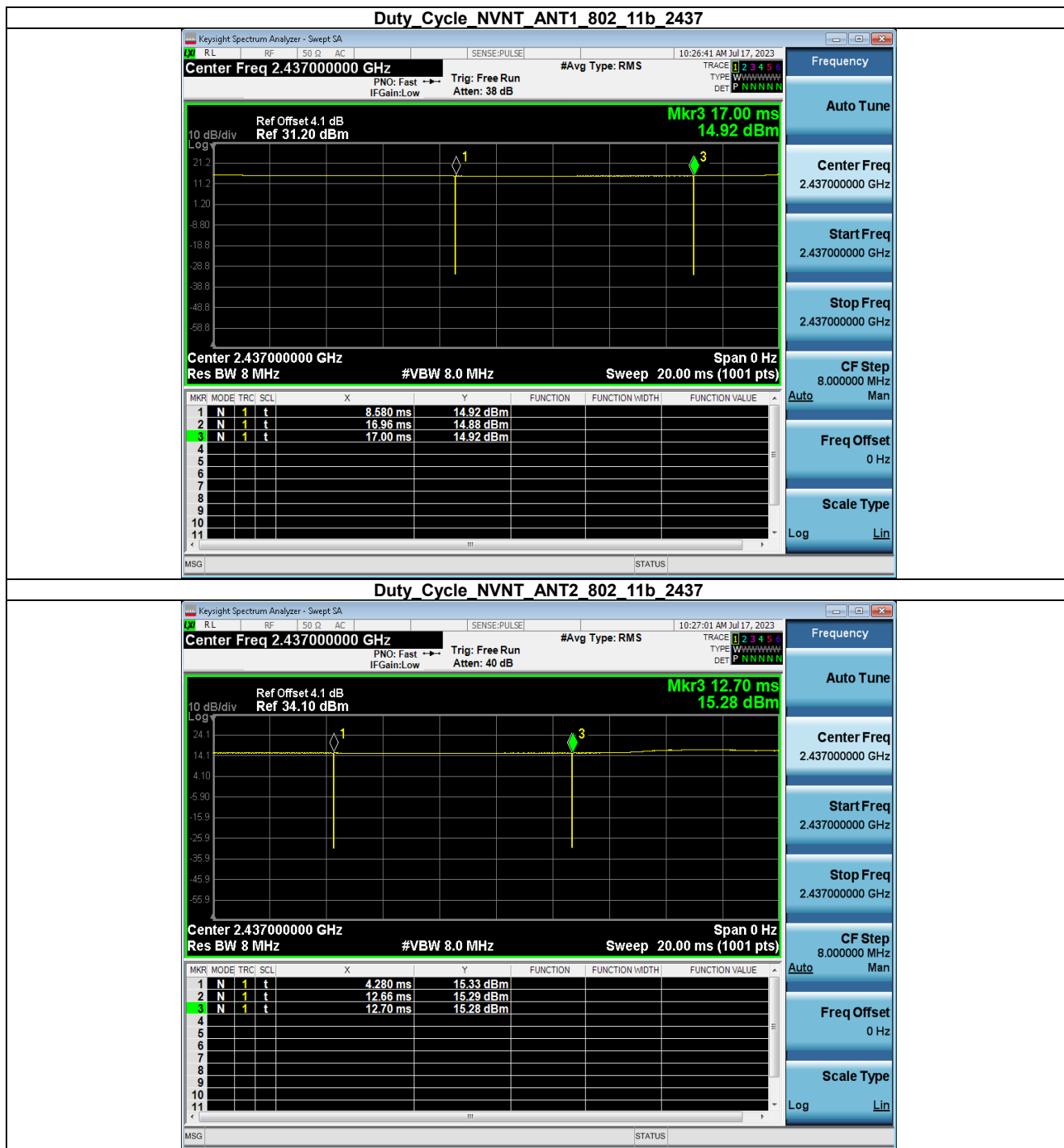
2 Bandedge_NVNT_ANT2_802_11ax(HE40)_2452

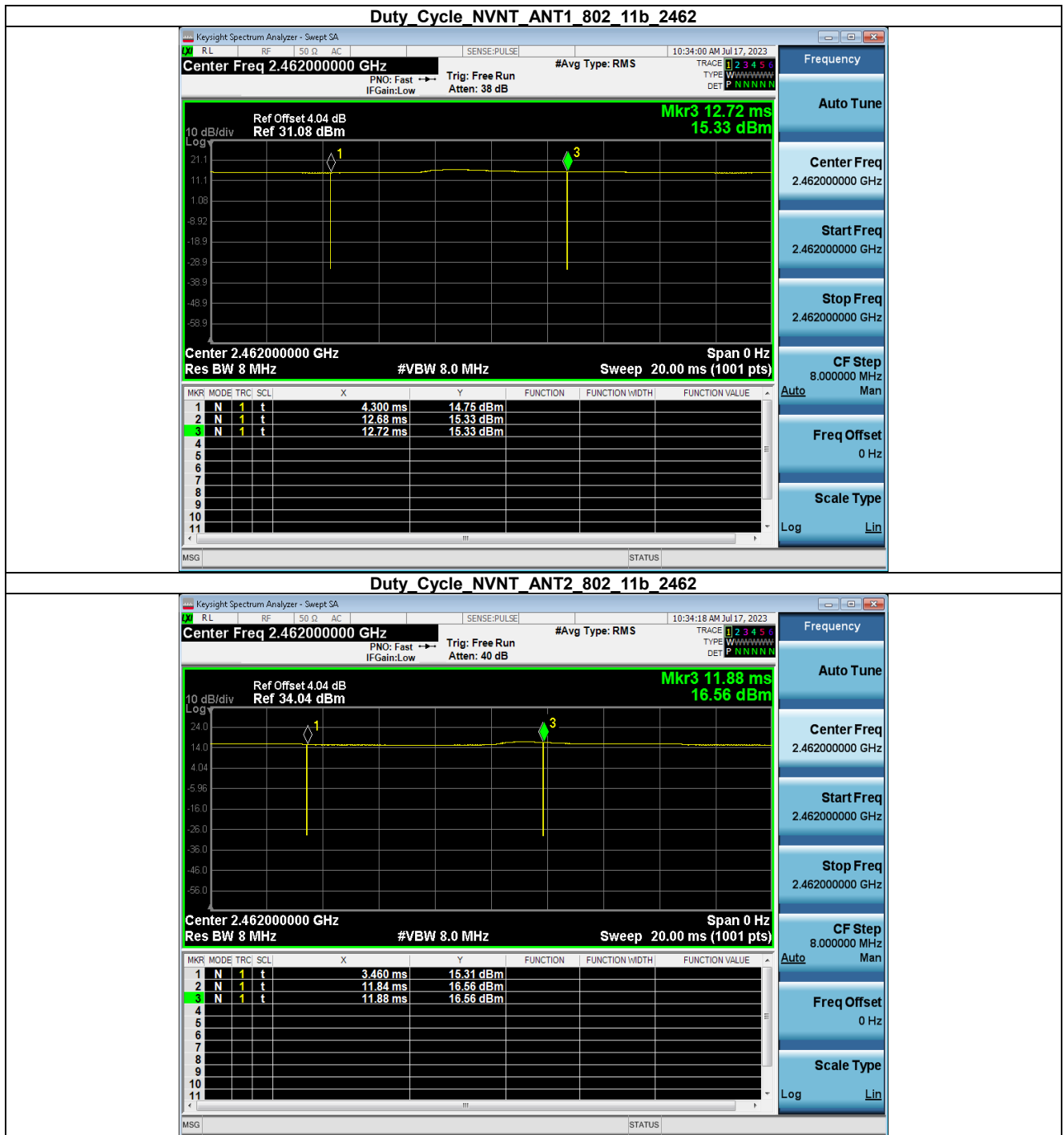


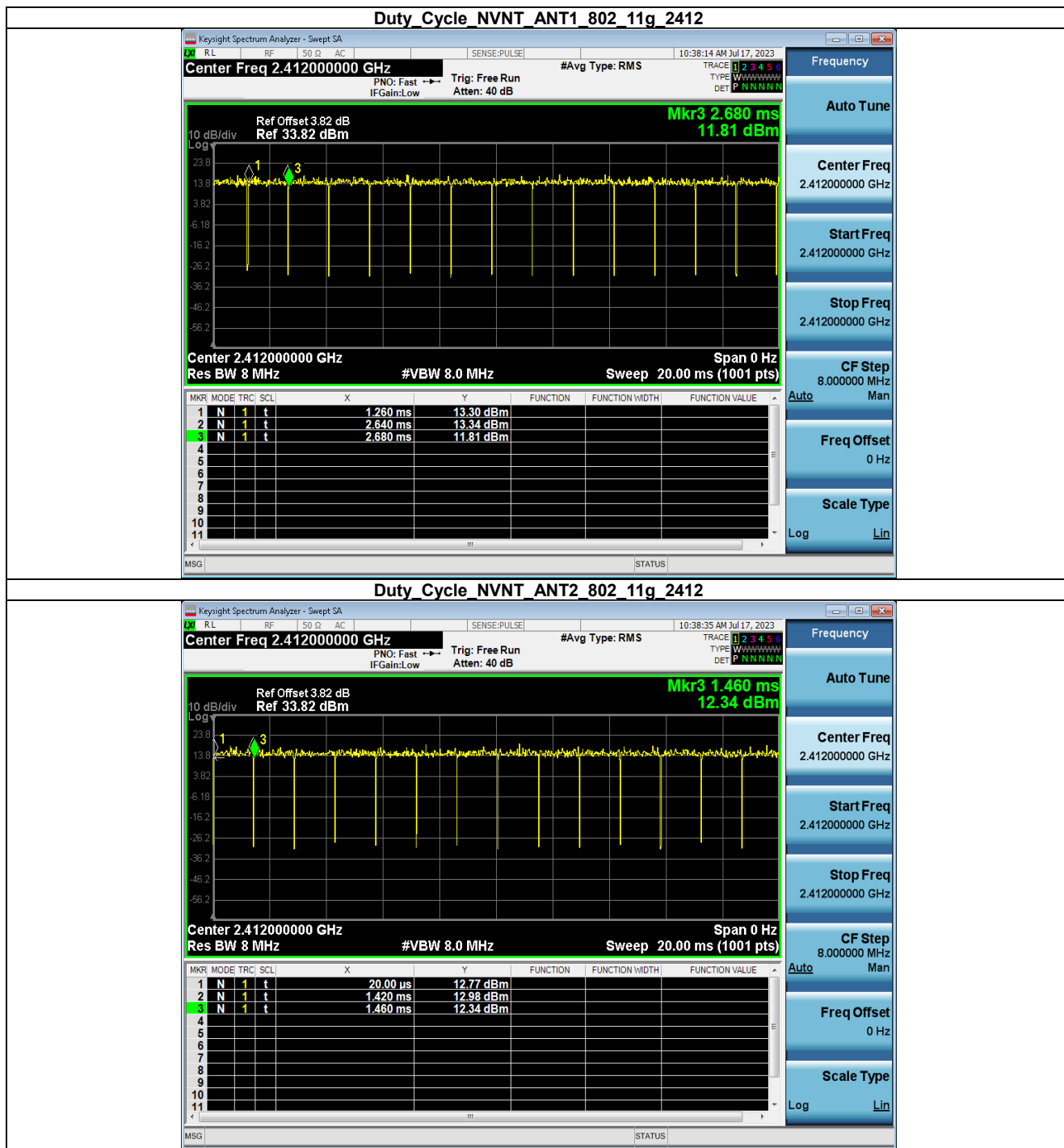
Duty Cycle

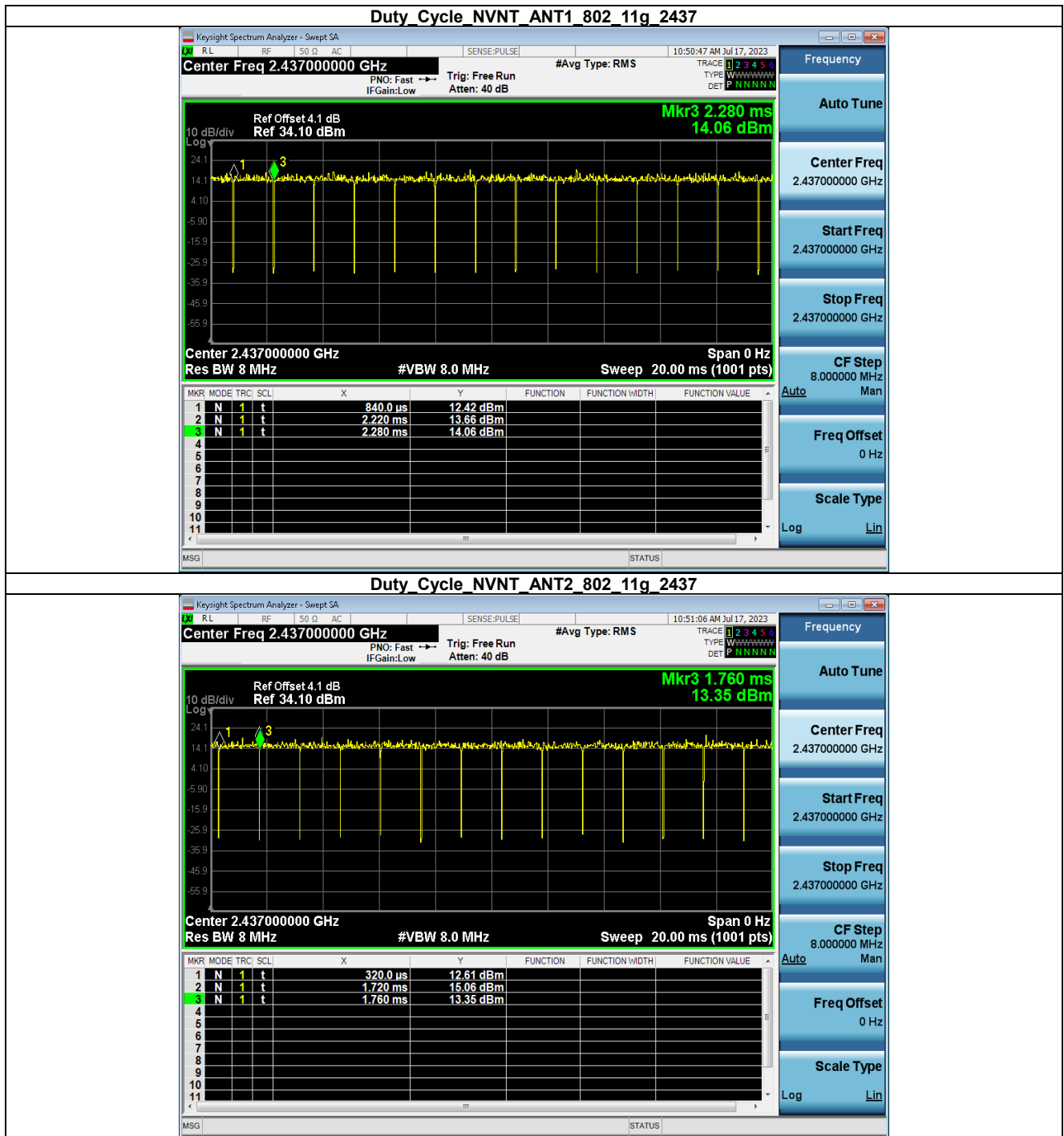
Condition	Antenna	Modulation	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	802.11b	2412.00	99.76	0.00
NVNT	ANT2	802.11b	2412.00	99.76	0.00
NVNT	ANT1	802.11b	2437.00	99.76	0.00
NVNT	ANT2	802.11b	2437.00	99.76	0.00
NVNT	ANT1	802.11b	2462.00	99.76	0.00
NVNT	ANT2	802.11b	2462.00	99.76	0.00
NVNT	ANT1	802.11g	2412.00	98.59	0.00
NVNT	ANT2	802.11g	2412.00	97.22	0.12
NVNT	ANT1	802.11g	2437.00	97.22	0.12
NVNT	ANT2	802.11g	2437.00	98.61	0.00
NVNT	ANT1	802.11g	2462.00	98.61	0.00
NVNT	ANT2	802.11g	2462.00	98.61	0.00
NVNT	ANT1	802.11n(HT20)	2412.00	97.06	0.13
NVNT	ANT2	802.11n(HT20)	2412.00	97.06	0.13
NVNT	ANT1	802.11n(HT20)	2437.00	97.06	0.13
NVNT	ANT2	802.11n(HT20)	2437.00	98.51	0.00
NVNT	ANT1	802.11n(HT20)	2462.00	98.51	0.00
NVNT	ANT2	802.11n(HT20)	2462.00	98.51	0.00
NVNT	ANT1	802.11ax(HE20)	2412.00	98.51	0.00
NVNT	ANT2	802.11ax(HE20)	2412.00	98.51	0.00
NVNT	ANT1	802.11ax(HE20)	2437.00	98.51	0.00
NVNT	ANT2	802.11ax(HE20)	2437.00	98.51	0.00
NVNT	ANT1	802.11ax(HE20)	2462.00	98.51	0.00
NVNT	ANT2	802.11ax(HE20)	2462.00	98.51	0.00
NVNT	ANT1	802.11n(HT40)	2422.00	97.06	0.13
NVNT	ANT2	802.11n(HT40)	2422.00	97.06	0.13
NVNT	ANT1	802.11n(HT40)	2437.00	94.29	0.26
NVNT	ANT2	802.11n(HT40)	2437.00	97.06	0.13
NVNT	ANT1	802.11n(HT40)	2452.00	97.14	0.13
NVNT	ANT2	802.11n(HT40)	2452.00	94.29	0.26
NVNT	ANT1	802.11ax(HE40)	2422.00	97.14	0.13
NVNT	ANT2	802.11ax(HE40)	2422.00	97.06	0.13
NVNT	ANT1	802.11ax(HE40)	2437.00	97.06	0.13
NVNT	ANT2	802.11ax(HE40)	2437.00	97.06	0.13
NVNT	ANT1	802.11ax(HE40)	2452.00	97.06	0.13
NVNT	ANT2	802.11ax(HE40)	2452.00	97.14	0.13

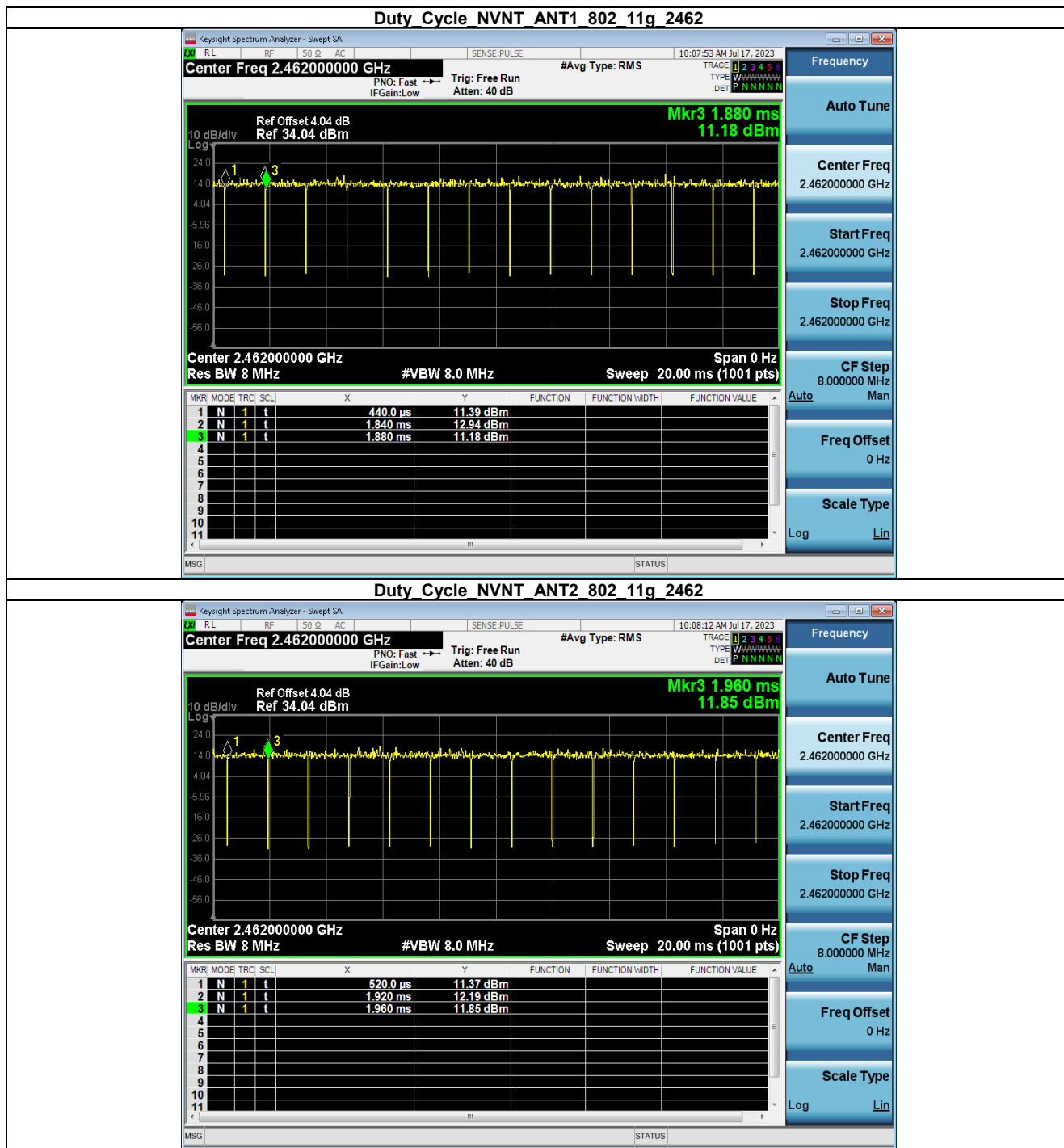


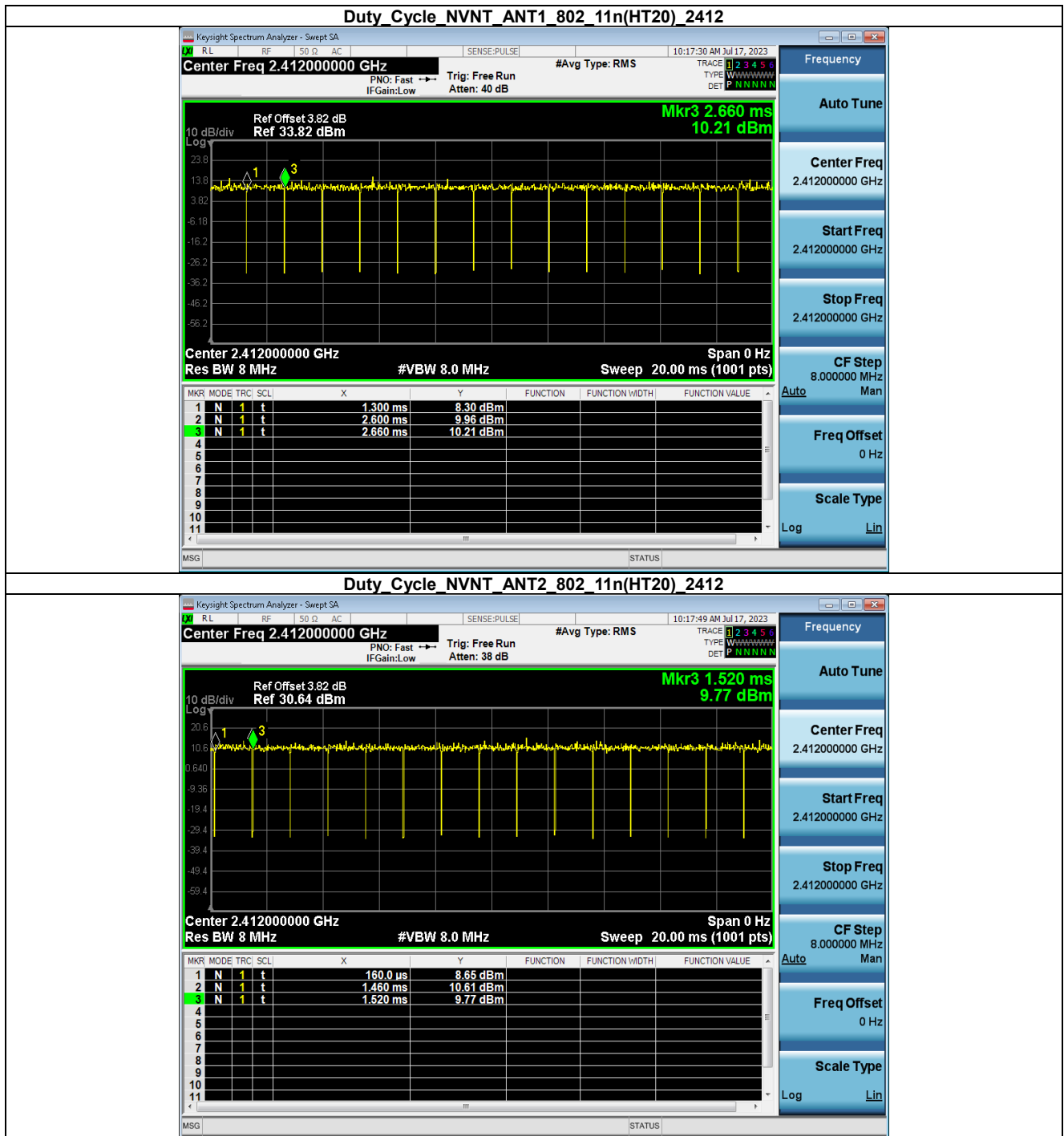


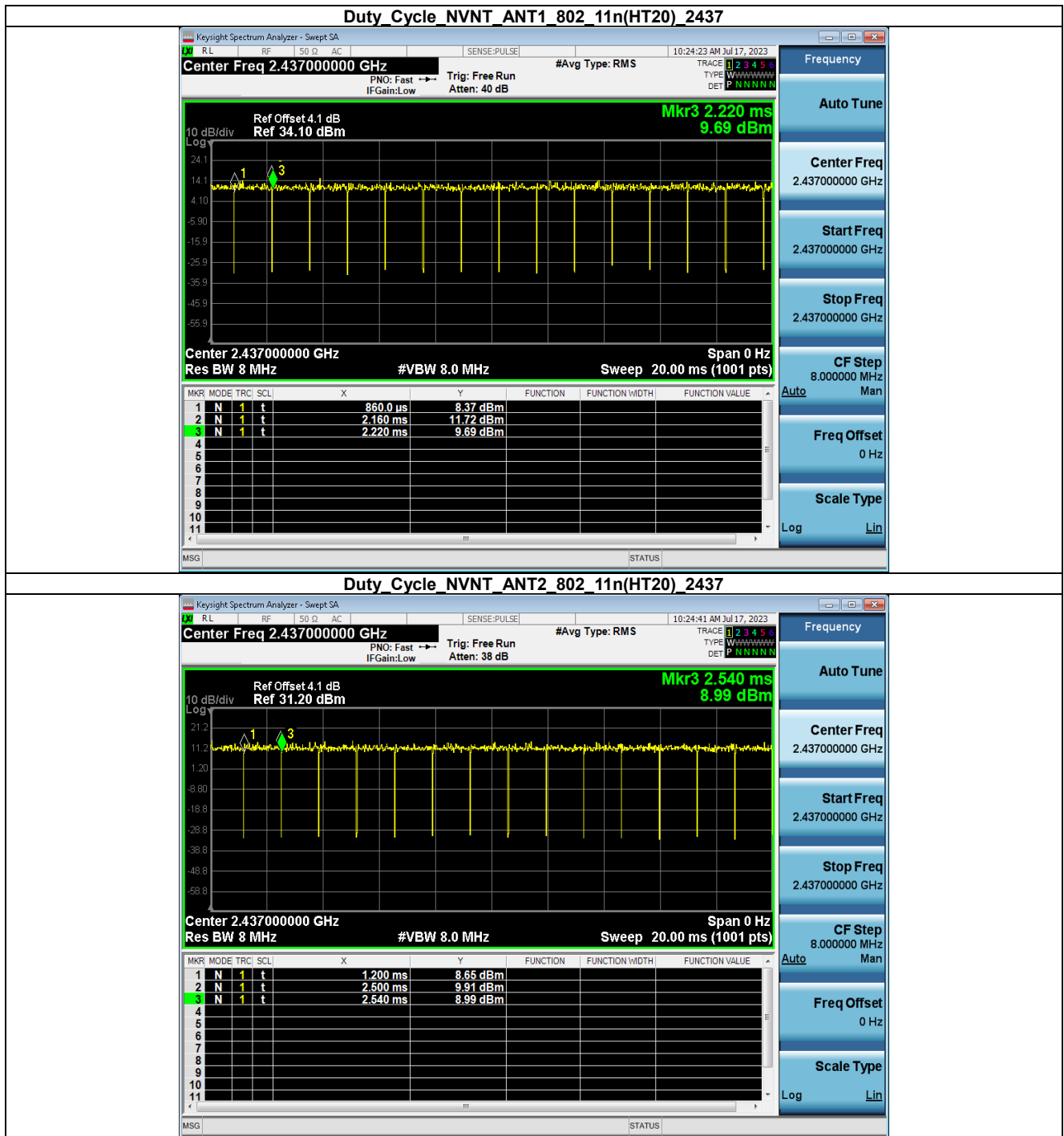


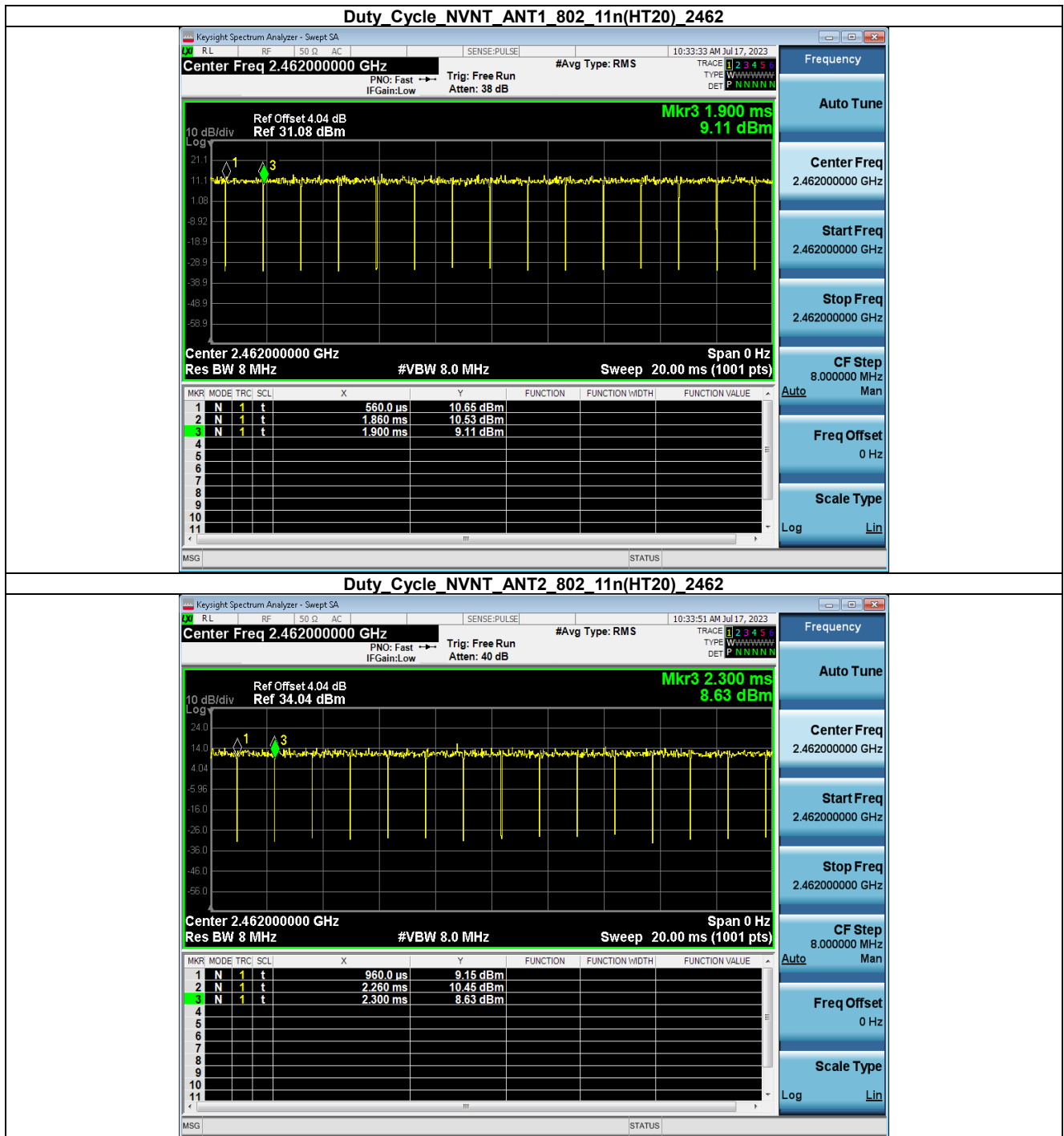


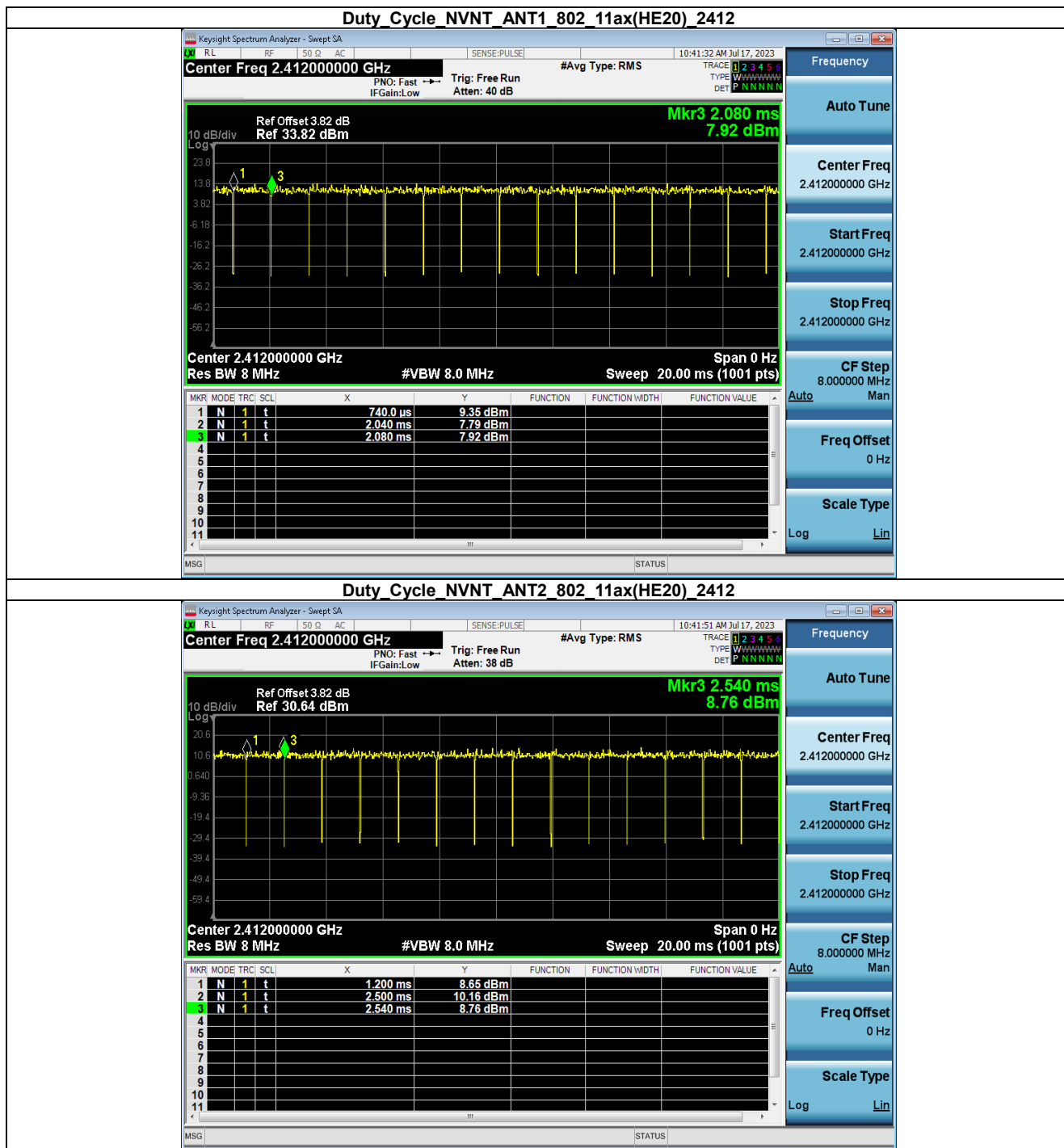


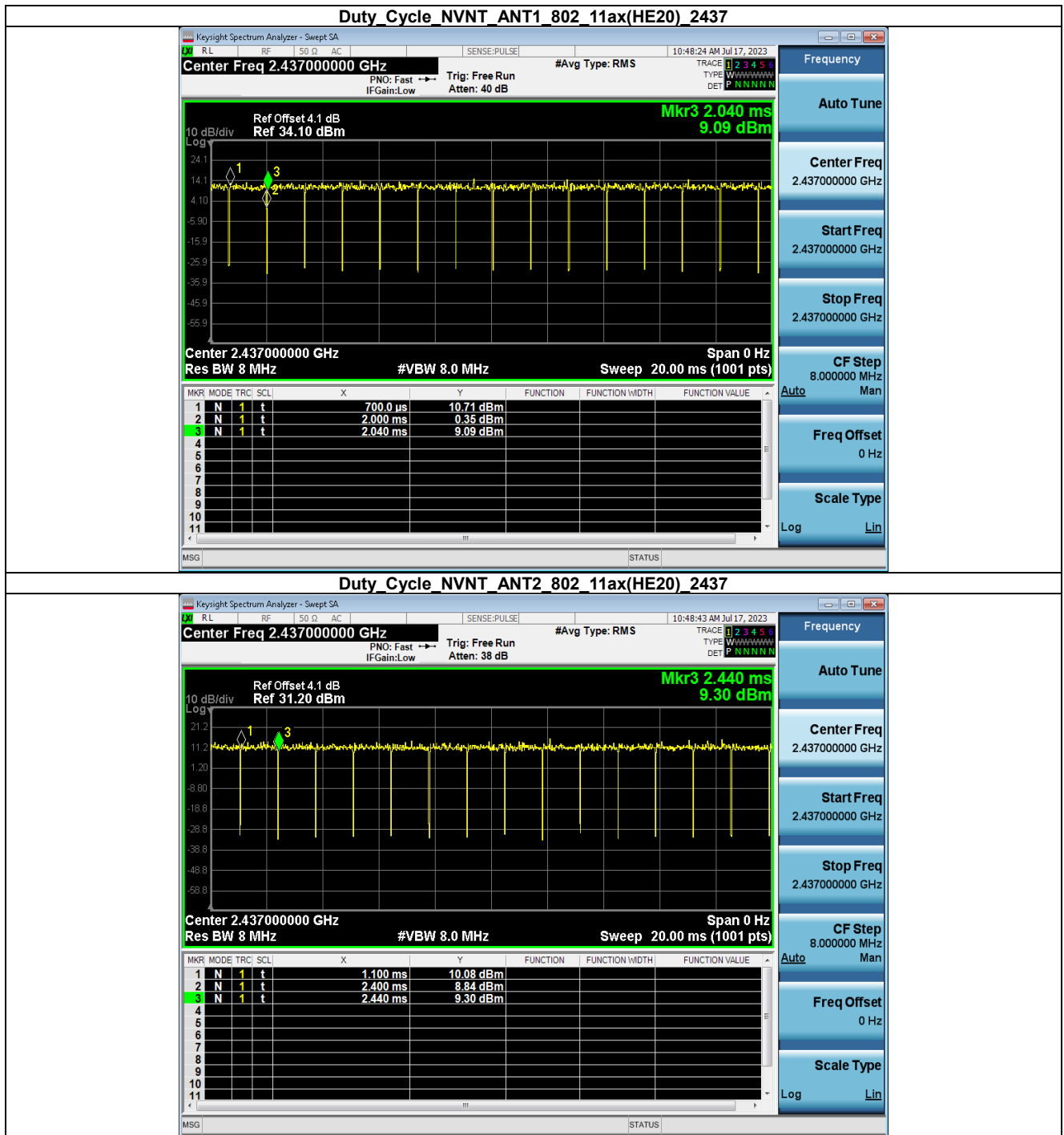


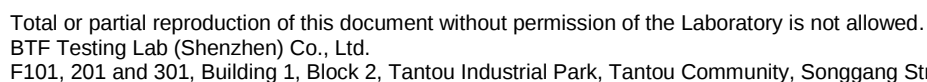


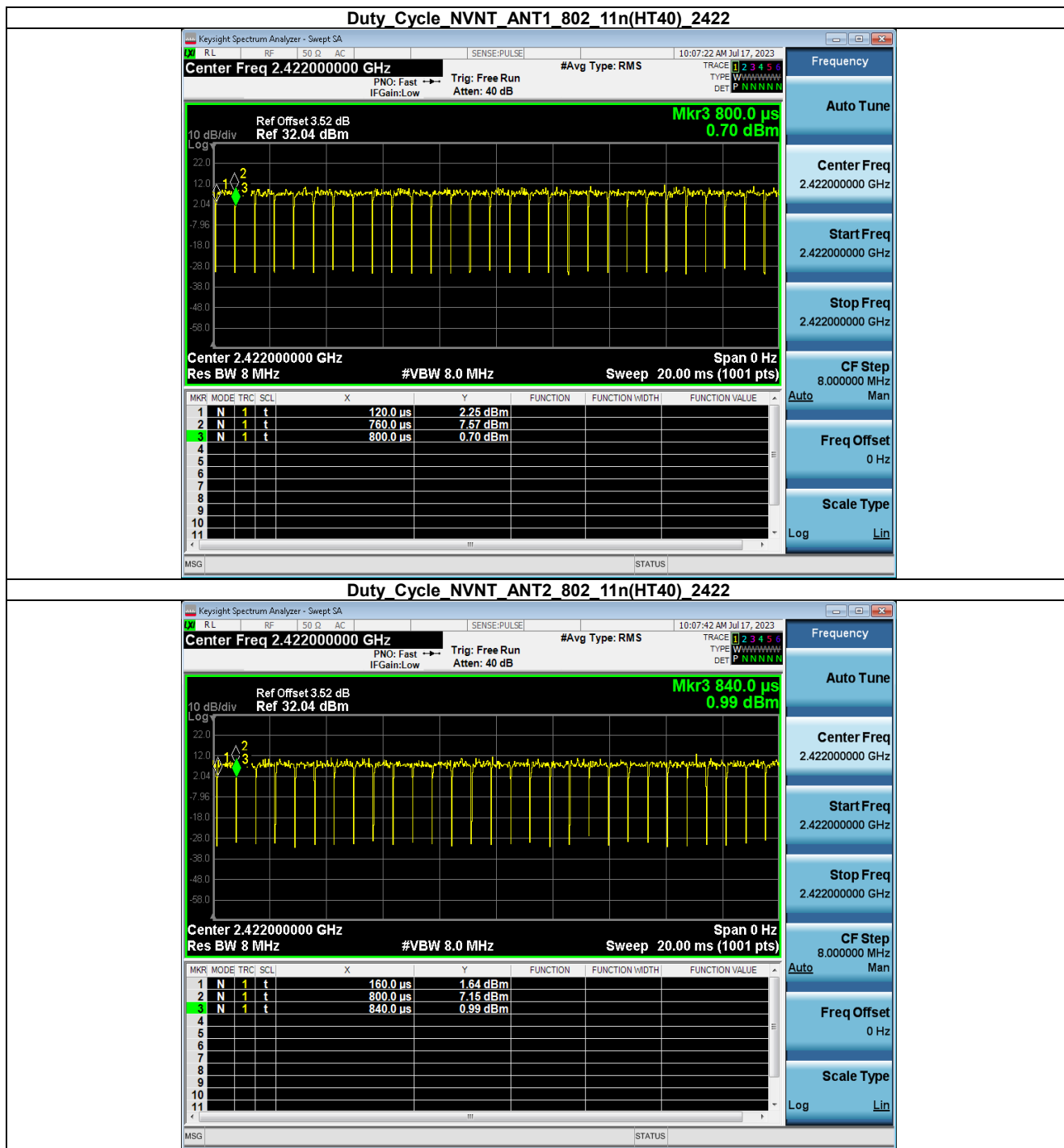


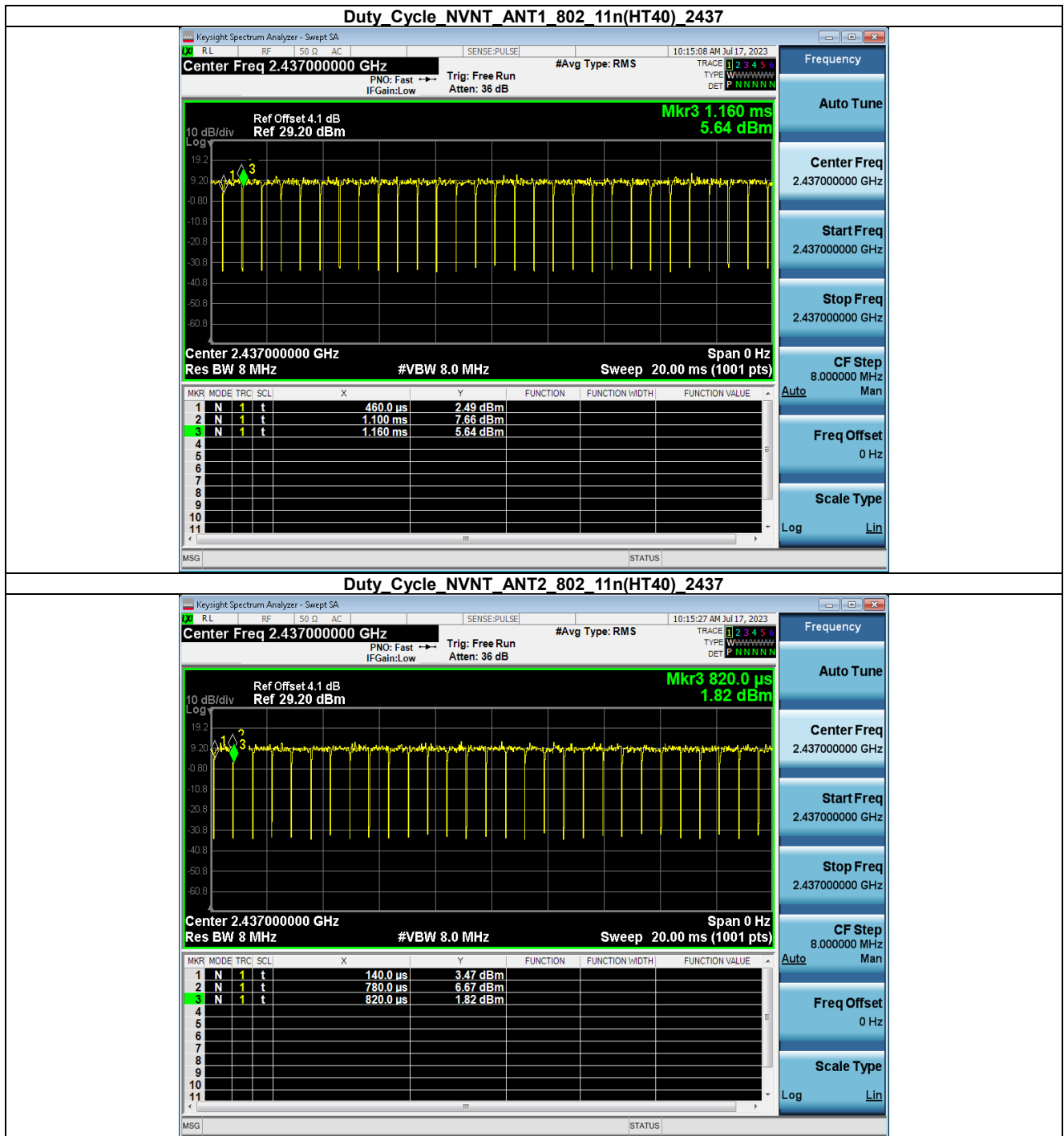




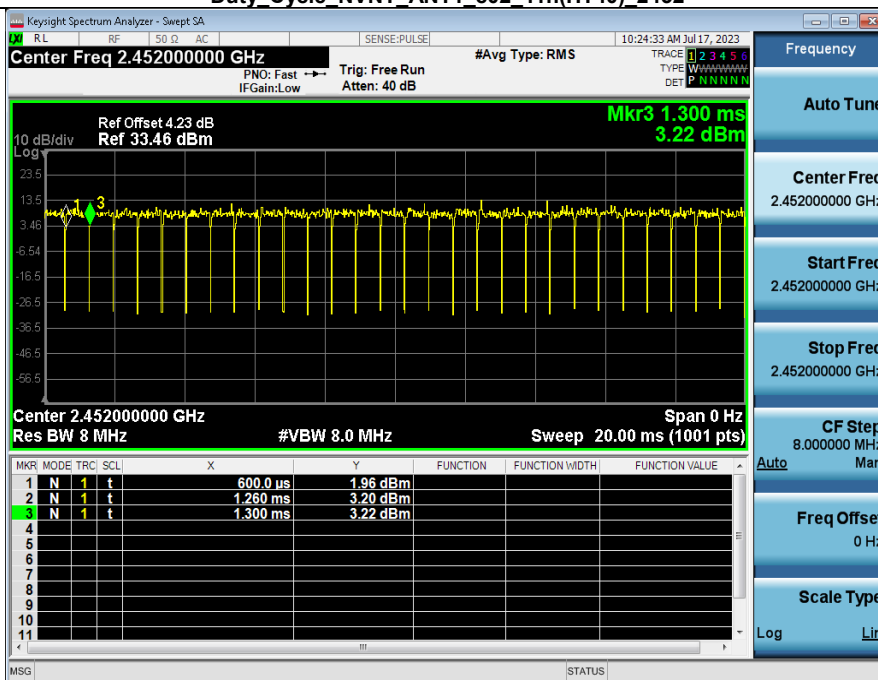




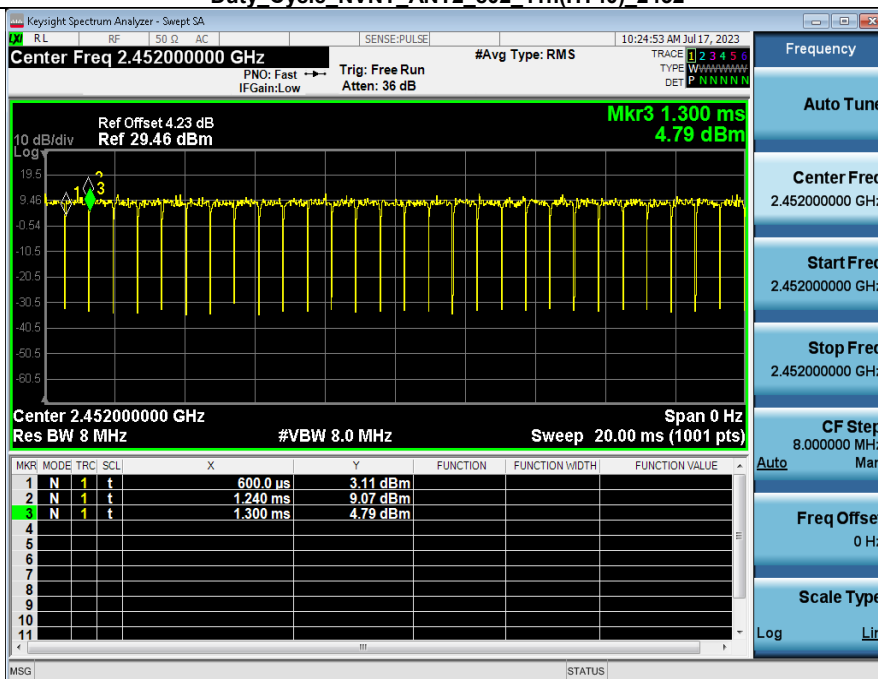


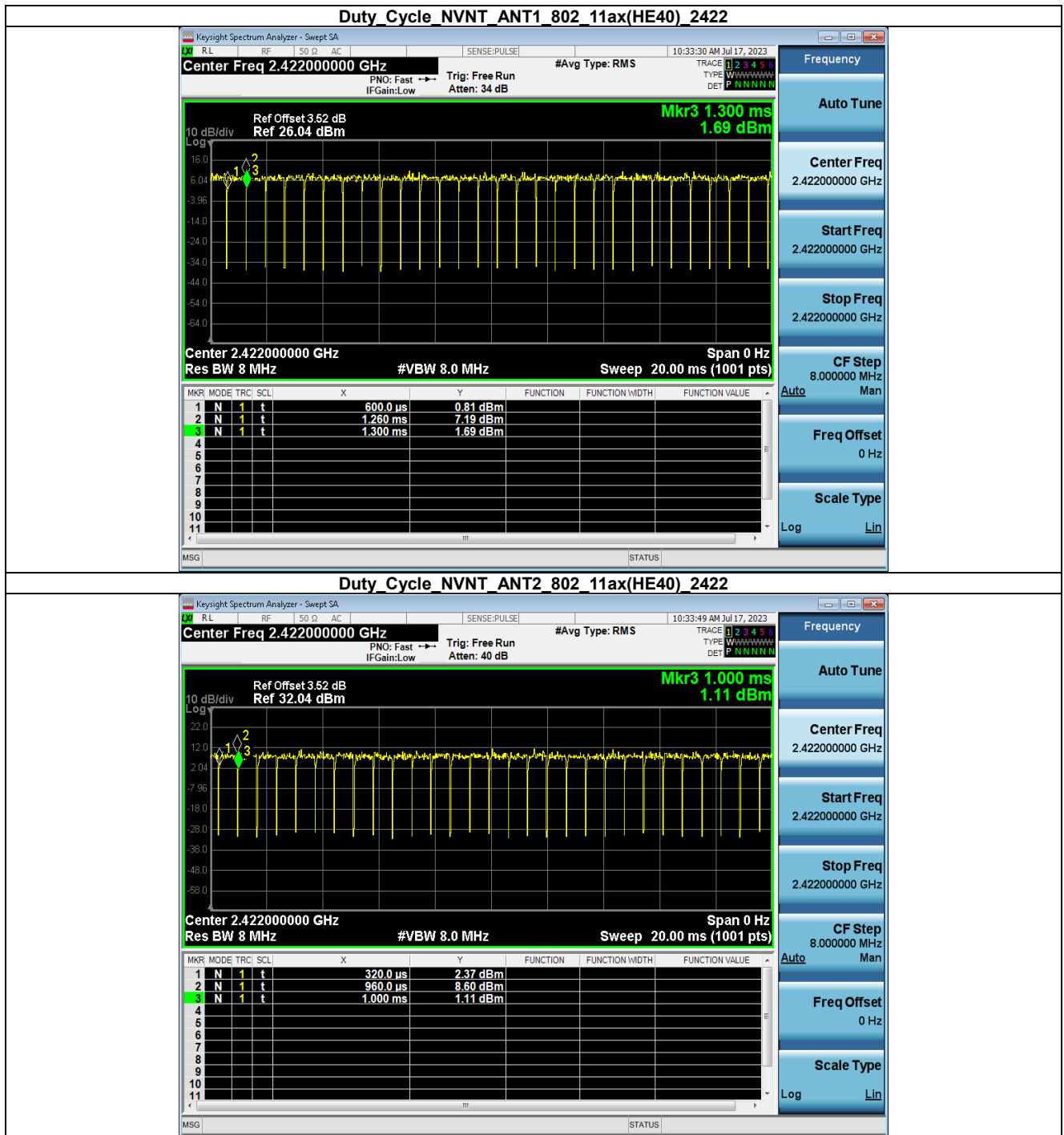


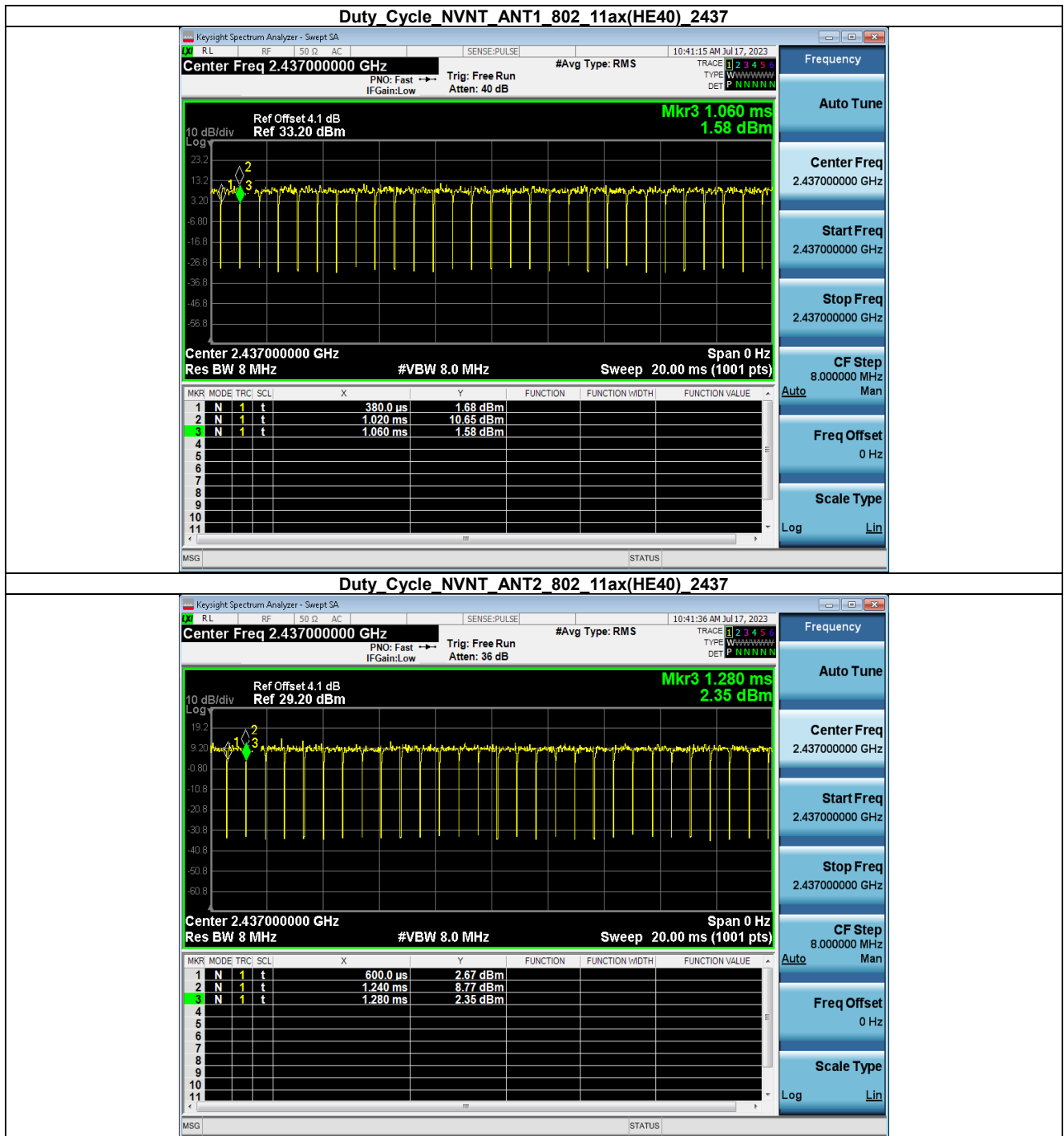
Duty Cycle NVNT_ANT1_802_11n(HT40)_2452

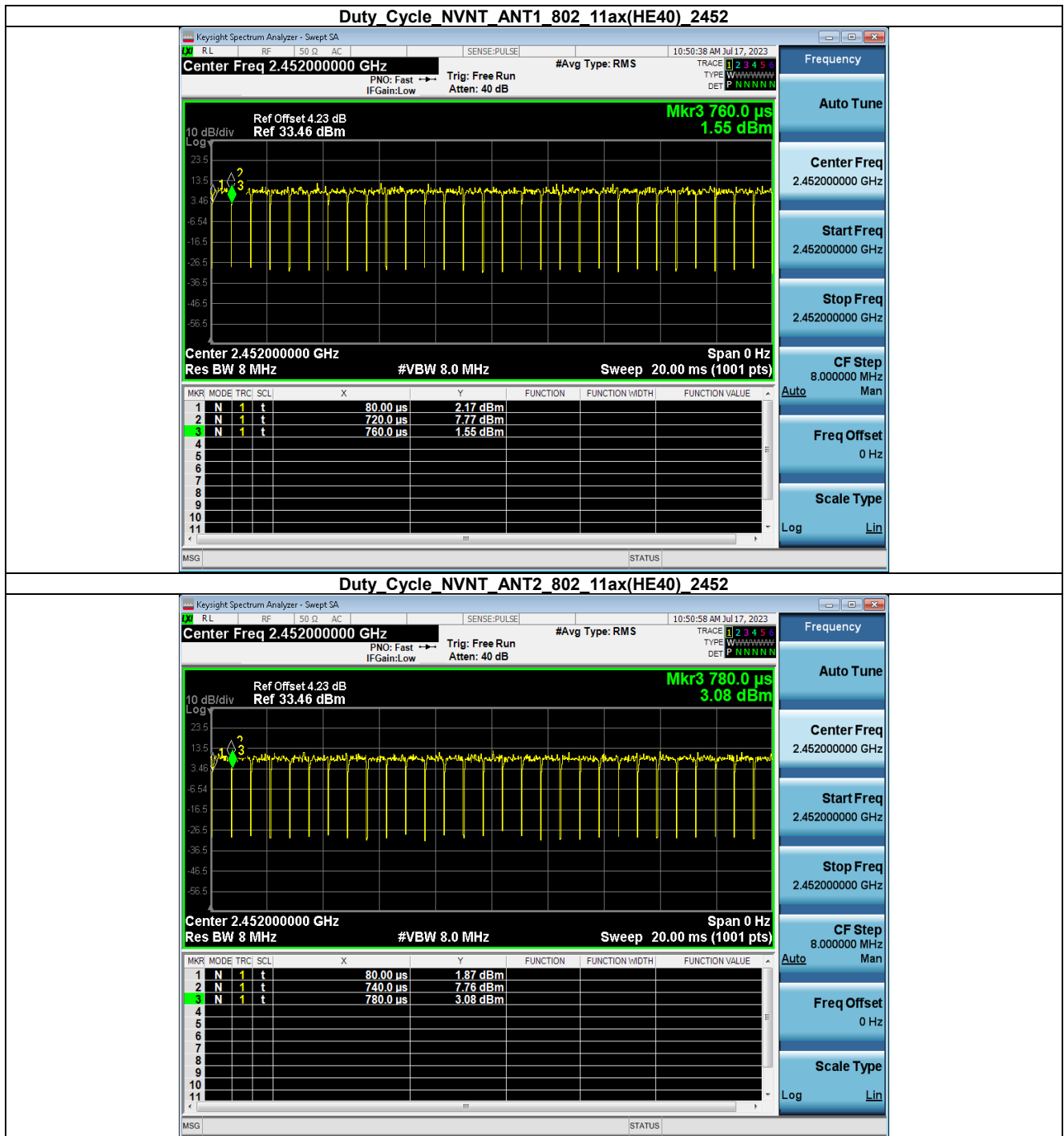


Duty Cycle NVNT_ANT2_802_11n(HT40)_2452









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	Peak	13.73	N/A	13.73	30	Pass
NVNT	ANT2	802.11b	2412.00	Peak	14.21	N/A	14.21	30	Pass
NVNT	ANT1	802.11b	2437.00	Peak	14.52	N/A	14.52	30	Pass
NVNT	ANT2	802.11b	2437.00	Peak	14.81	N/A	14.81	30	Pass
NVNT	ANT1	802.11b	2462.00	Peak	14.27	N/A	14.27	30	Pass
NVNT	ANT2	802.11b	2462.00	Peak	14.70	N/A	14.70	30	Pass
NVNT	ANT1	802.11g	2412.00	Peak	17.03	N/A	17.03	30	Pass
NVNT	ANT2	802.11g	2412.00	Peak	16.87	N/A	16.87	30	Pass
NVNT	ANT1	802.11g	2437.00	Peak	18.46	N/A	18.46	30	Pass
NVNT	ANT2	802.11g	2437.00	Peak	18.23	N/A	18.23	30	Pass
NVNT	ANT1	802.11g	2462.00	Peak	17.35	N/A	17.35	30	Pass
NVNT	ANT2	802.11g	2462.00	Peak	17.24	N/A	17.24	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	Peak	14.21	N/A	14.21	30	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	Peak	13.99	N/A	13.99	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	Peak	14.53	N/A	14.53	30	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	Peak	14.43	N/A	14.43	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	Peak	14.66	N/A	14.66	30	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	Peak	14.51	N/A	14.51	30	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	Peak	14.20	N/A	14.20	30	Pass
NVNT	ANT2	802.11ax(HE20)	2412.00	Peak	14.02	N/A	14.02	30	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	Peak	14.57	N/A	14.57	30	Pass
NVNT	ANT2	802.11ax(HE20)	2437.00	Peak	14.46	N/A	14.46	30	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	Peak	14.64	N/A	14.64	30	Pass
NVNT	ANT2	802.11ax(HE20)	2462.00	Peak	14.52	N/A	14.52	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	Peak	14.17	N/A	14.17	30	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	Peak	13.99	N/A	13.99	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	Peak	14.90	N/A	14.90	30	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	Peak	14.70	N/A	14.70	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	Peak	14.95	N/A	14.95	30	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	Peak	14.78	N/A	14.78	30	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	Peak	14.14	N/A	14.14	30	Pass
NVNT	ANT2	802.11ax(HE40)	2422.00	Peak	13.94	N/A	13.94	30	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	Peak	14.79	N/A	14.79	30	Pass
NVNT	ANT2	802.11ax(HE40)	2437.00	Peak	14.67	N/A	14.67	30	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	Peak	14.97	N/A	14.97	30	Pass
NVNT	ANT2	802.11ax(HE40)	2452.00	Peak	14.80	N/A	14.80	30	Pass

MIMO_Conducted Power = ANT1_Conducted Power + ANT2_Conducted Power

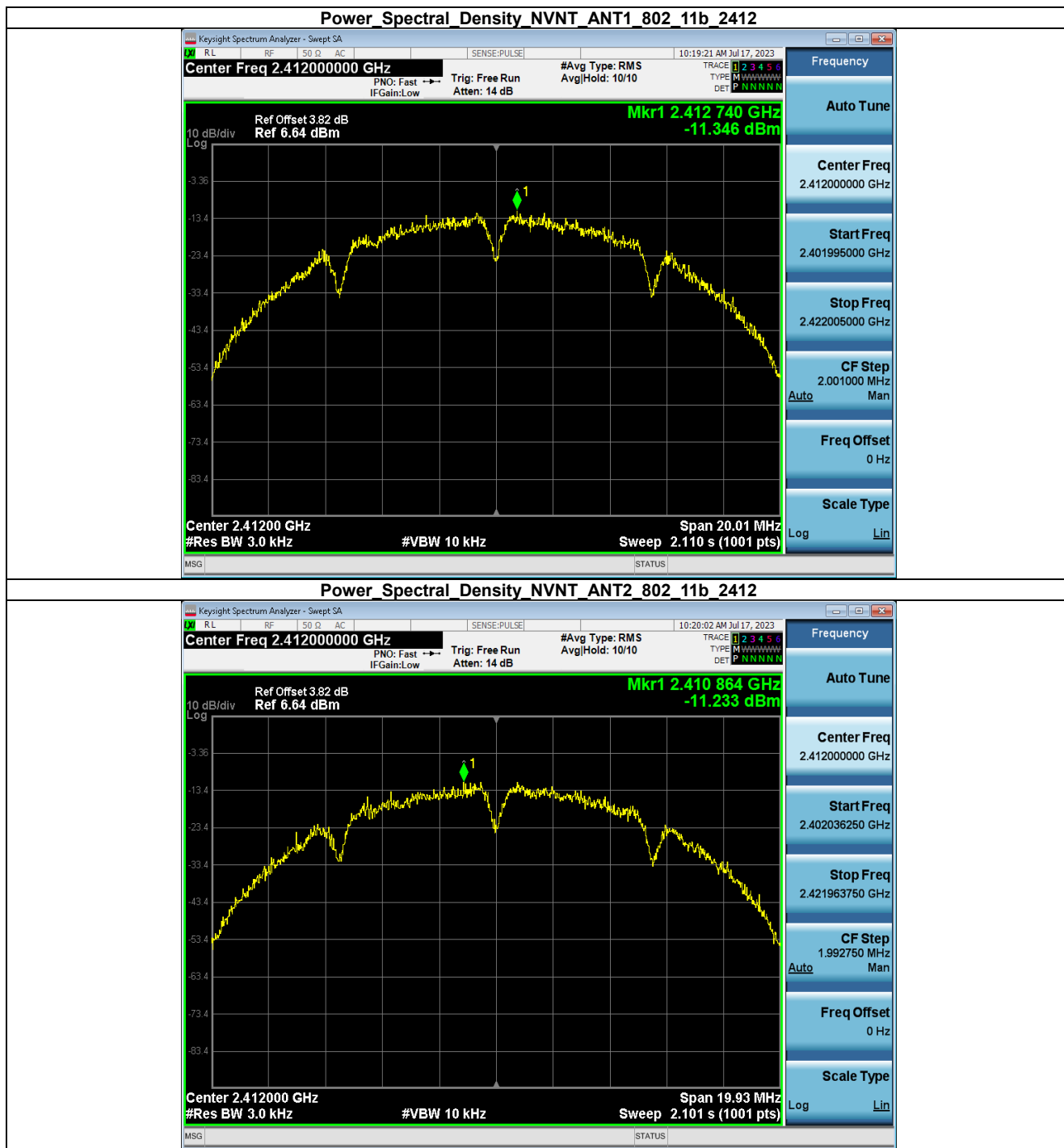
$W=10^{\frac{(P(\text{dBm})-30)}{10}}$

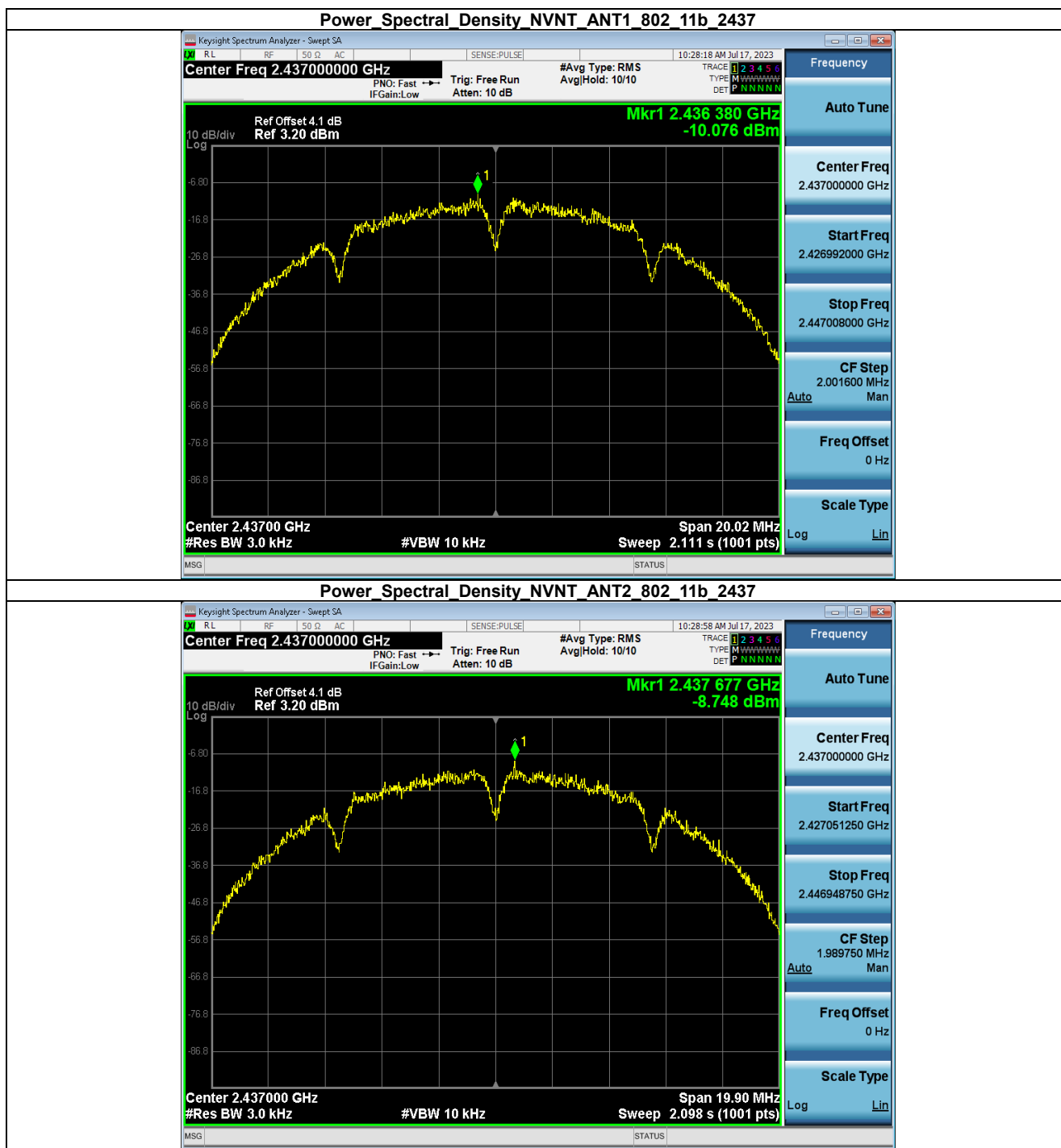
$\text{dBm} = 10\log[P(\text{mw})/1\text{mw}]$

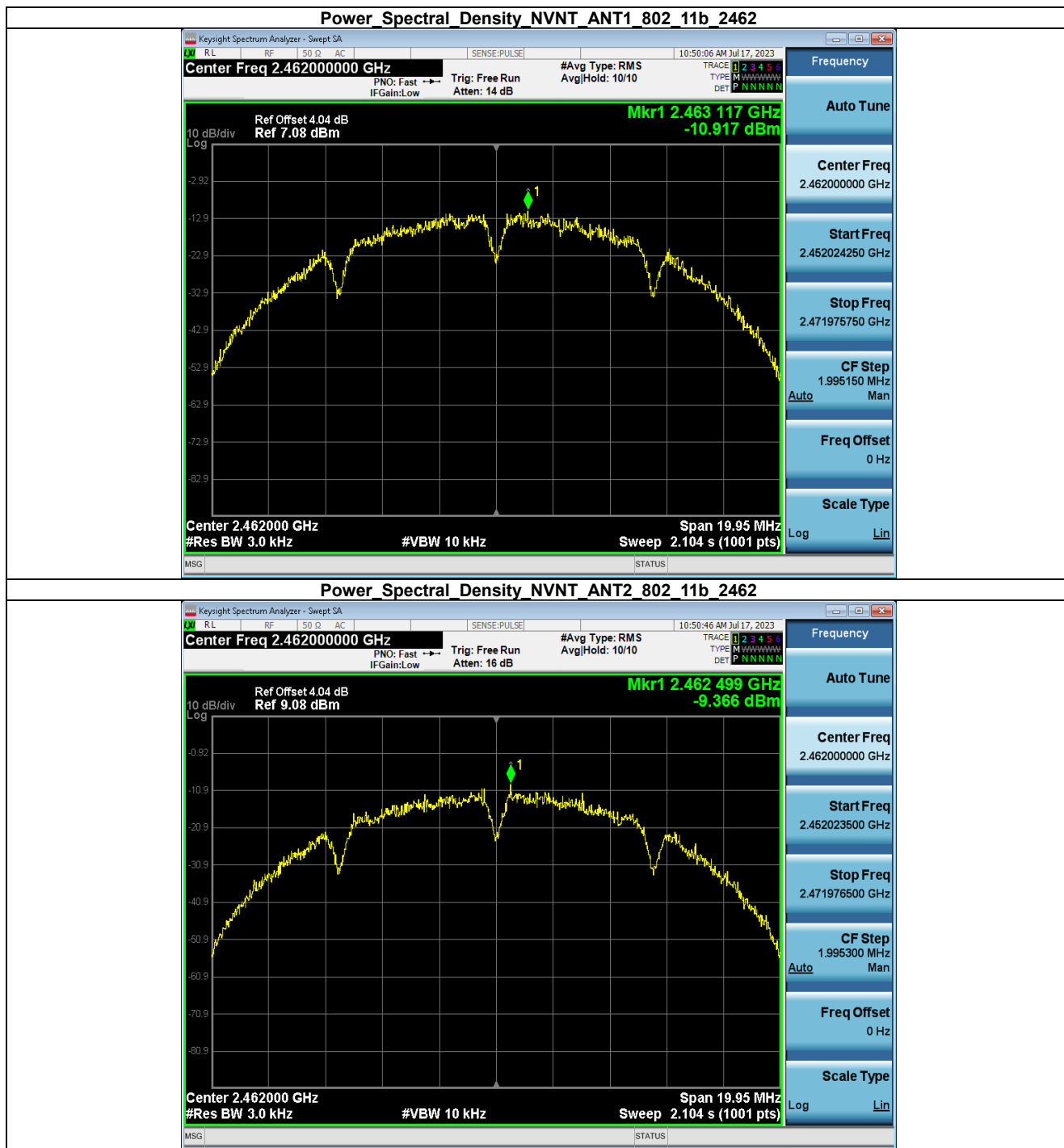
Condition	Antenna	Mode	Frequency(MHz)	MIMO_Conducted Power(dBm)	Limit(dBm)	Result
NVNT	MIMO_TX	802.11n(HT20)	2412.00	17.11	30	Pass
NVNT	MIMO_TX	802.11n(HT20)	2437.00	17.49	30	Pass
NVNT	MIMO_TX	802.11n(HT20)	2462.00	17.60	30	Pass
NVNT	MIMO_TX	802.11ax(HE20)	2412.00	17.12	30	Pass
NVNT	MIMO_TX	802.11ax(HE20)	2437.00	17.52	30	Pass
NVNT	MIMO_TX	802.11ax(HE20)	2462.00	17.59	30	Pass
NVNT	MIMO_TX	802.11n(HT40)	2422.00	17.10	30	Pass
NVNT	MIMO_TX	802.11n(HT40)	2437.00	17.81	30	Pass
NVNT	MIMO_TX	802.11n(HT40)	2452.00	17.88	30	Pass
NVNT	MIMO_TX	802.11ax(HE40)	2422.00	17.05	30	Pass
NVNT	MIMO_TX	802.11ax(HE40)	2437.00	17.74	30	Pass
NVNT	MIMO_TX	802.11ax(HE40)	2452.00	17.89	30	Pass

Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	-11.35	8	Pass
NVNT	ANT2	802.11b	2412.00	-11.23	8	Pass
NVNT	ANT1	802.11b	2437.00	-10.08	8	Pass
NVNT	ANT2	802.11b	2437.00	-8.75	8	Pass
NVNT	ANT1	802.11b	2462.00	-10.92	8	Pass
NVNT	ANT2	802.11b	2462.00	-9.37	8	Pass
NVNT	ANT1	802.11g	2412.00	-14.74	8	Pass
NVNT	ANT2	802.11g	2412.00	-15.58	8	Pass
NVNT	ANT1	802.11g	2437.00	-12.20	8	Pass
NVNT	ANT2	802.11g	2437.00	-13.06	8	Pass
NVNT	ANT1	802.11g	2462.00	-15.24	8	Pass
NVNT	ANT2	802.11g	2462.00	-15.08	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-18.37	8	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	-18.22	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-18.89	8	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	-18.12	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-18.28	8	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	-18.47	8	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	-18.13	8	Pass
NVNT	ANT2	802.11ax(HE20)	2412.00	-17.50	8	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	-17.18	8	Pass
NVNT	ANT2	802.11ax(HE20)	2437.00	-16.94	8	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	-17.78	8	Pass
NVNT	ANT2	802.11ax(HE20)	2462.00	-18.16	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-21.77	8	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	-20.66	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-19.56	8	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	-19.97	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-20.88	8	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	-20.37	8	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	-21.10	8	Pass
NVNT	ANT2	802.11ax(HE40)	2422.00	-21.42	8	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	-21.07	8	Pass
NVNT	ANT2	802.11ax(HE40)	2437.00	-20.04	8	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	-20.51	8	Pass
NVNT	ANT2	802.11ax(HE40)	2452.00	-20.09	8	Pass

















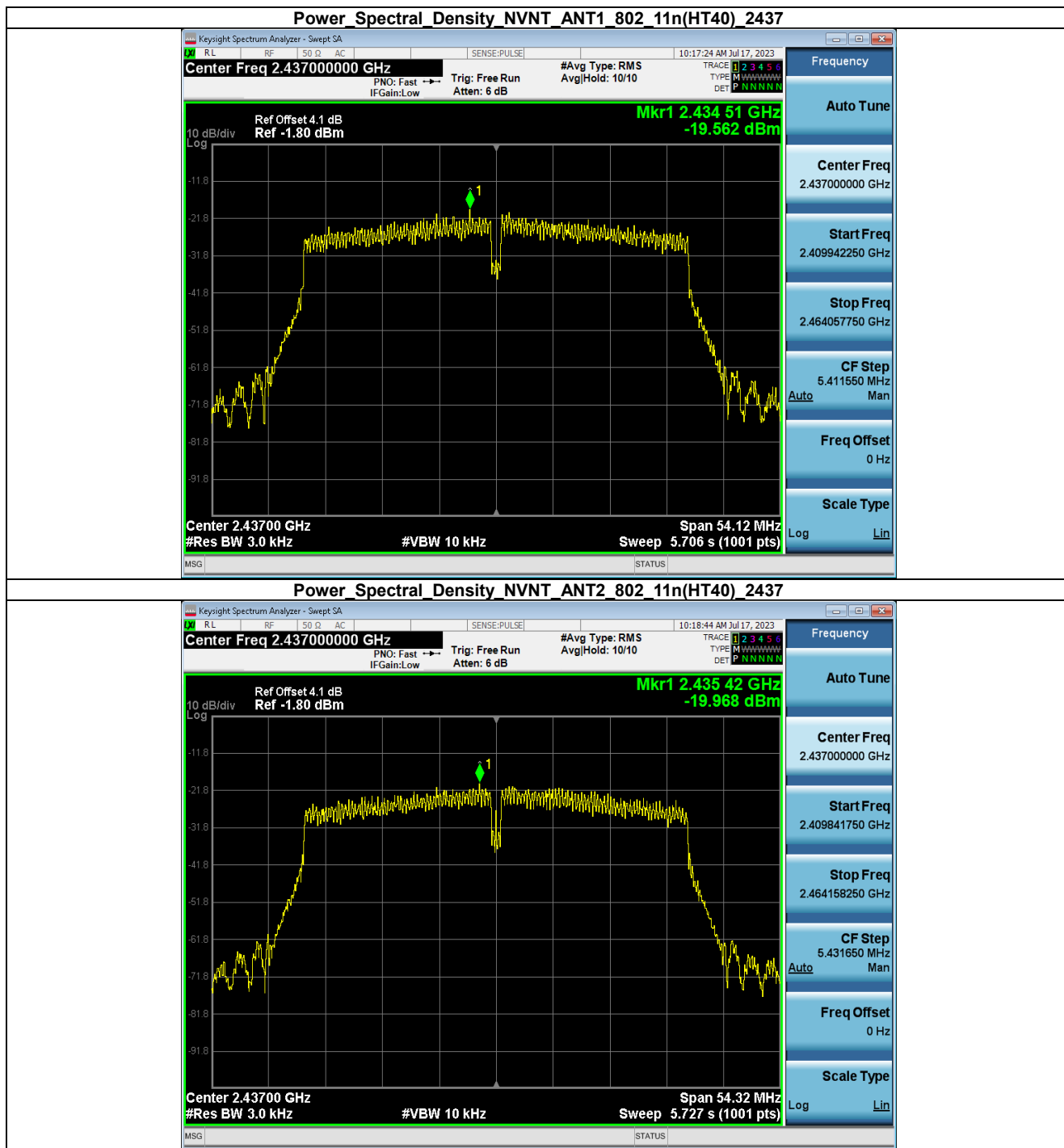






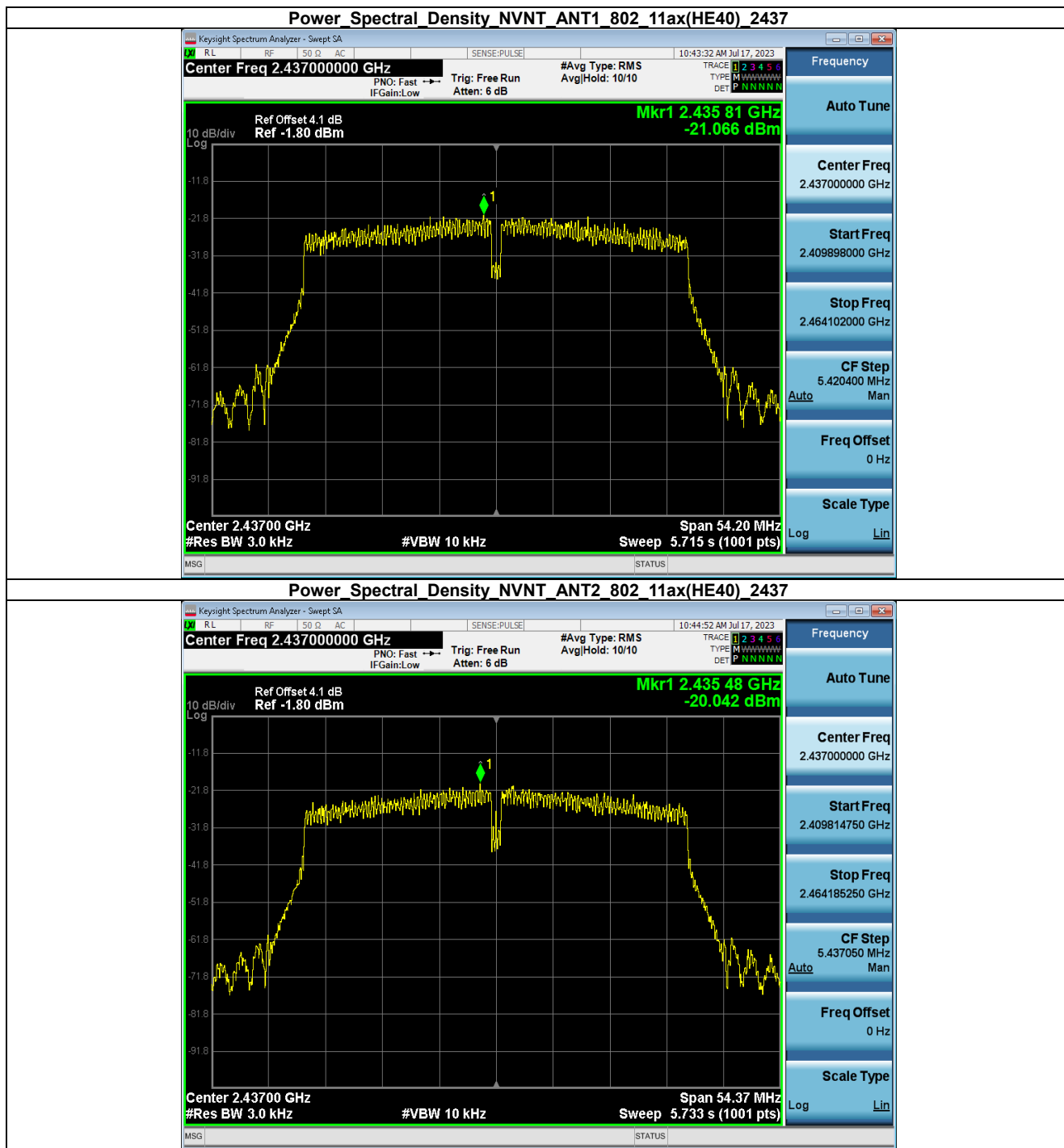












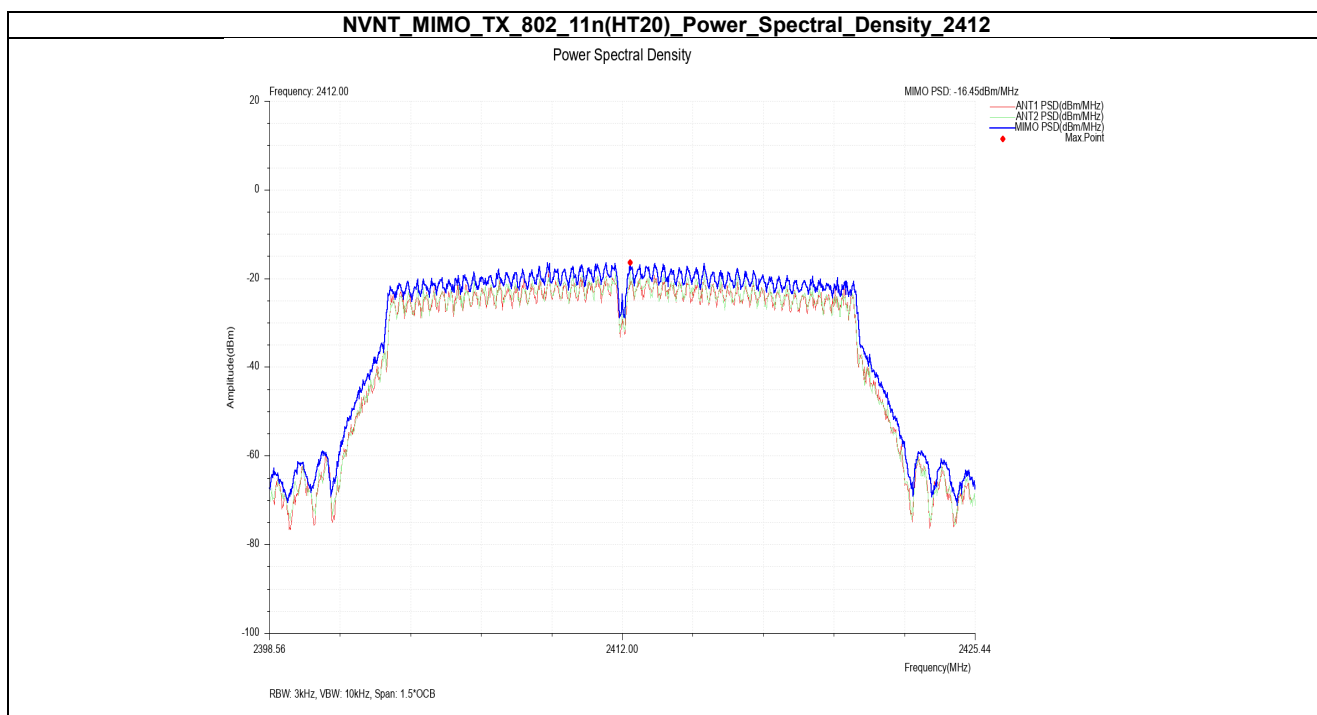


MIMO_ Max PSD = ANT1_ Max PSD + ANT2_ Max PSD

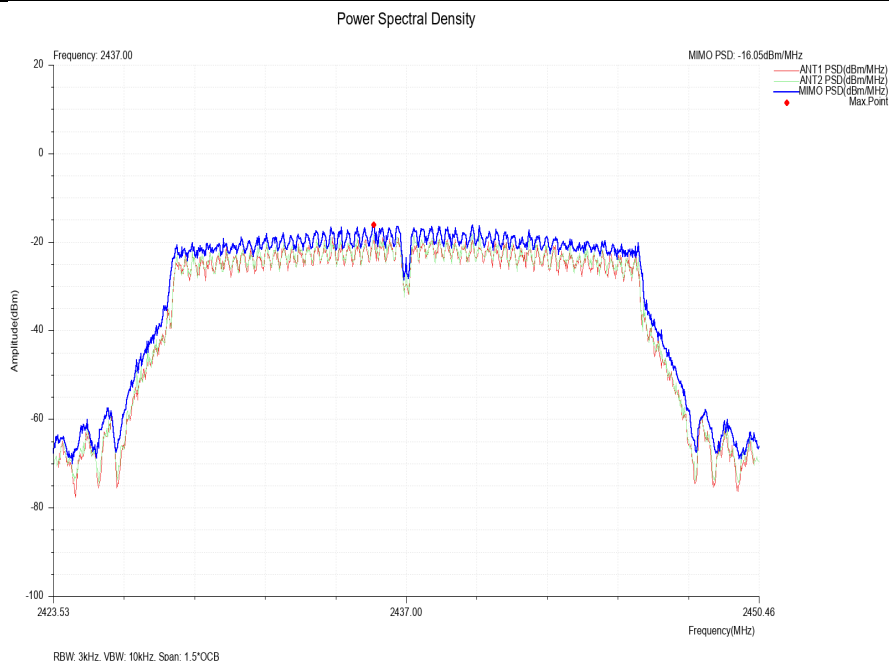
$W=10^{[(P(\text{dBm})-30)/10]}$

$\text{dBm} = 10\log[P(\text{mw})/1\text{mw}]$

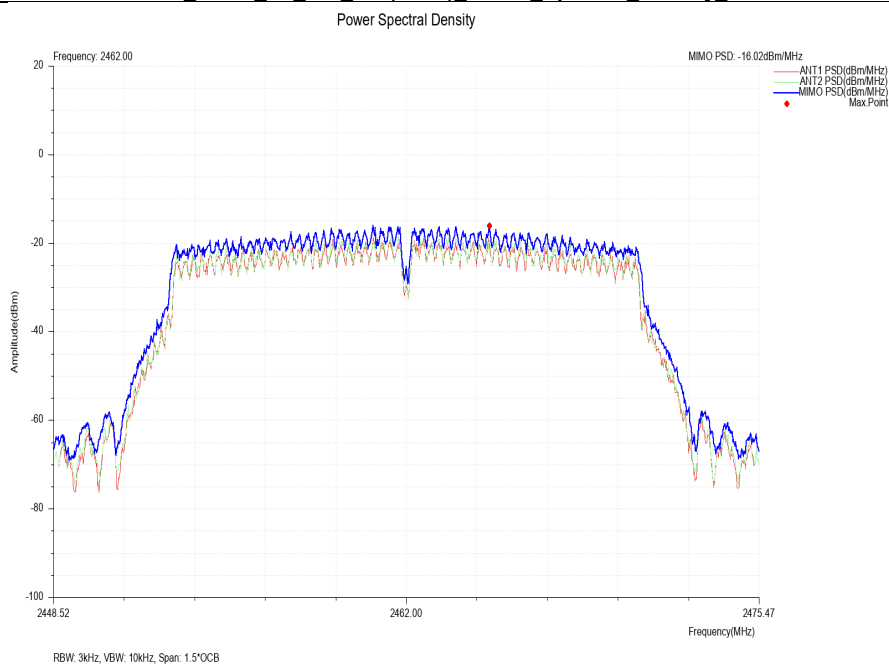
Condition	Antenna	Mode	Frequency (MHz)	Max PSD(dBm/MHz)	Limit(dBm/MHz)	Result
NVNT	MIMO_TX	802.11n(HT20)	2412.00	-16.45	10	Pass
NVNT	MIMO_TX	802.11n(HT20)	2437.00	-16.05	10	Pass
NVNT	MIMO_TX	802.11n(HT20)	2462.00	-16.02	10	Pass
NVNT	MIMO_TX	802.11ax(HE20)	2412.00	-15.56	10	Pass
NVNT	MIMO_TX	802.11ax(HE20)	2437.00	-14.82	10	Pass
NVNT	MIMO_TX	802.11ax(HE20)	2462.00	-15.77	10	Pass
NVNT	MIMO_TX	802.11n(HT40)	2422.00	-18.82	10	Pass
NVNT	MIMO_TX	802.11n(HT40)	2437.00	-17.47	10	Pass
NVNT	MIMO_TX	802.11n(HT40)	2452.00	-17.88	10	Pass
NVNT	MIMO_TX	802.11ax(HE40)	2422.00	-18.94	10	Pass
NVNT	MIMO_TX	802.11ax(HE40)	2437.00	-18.37	10	Pass
NVNT	MIMO_TX	802.11ax(HE40)	2452.00	-17.43	10	Pass



NVNT_MIMO_TX_802_11n(HT20)_Power_Spectral_Density_2437



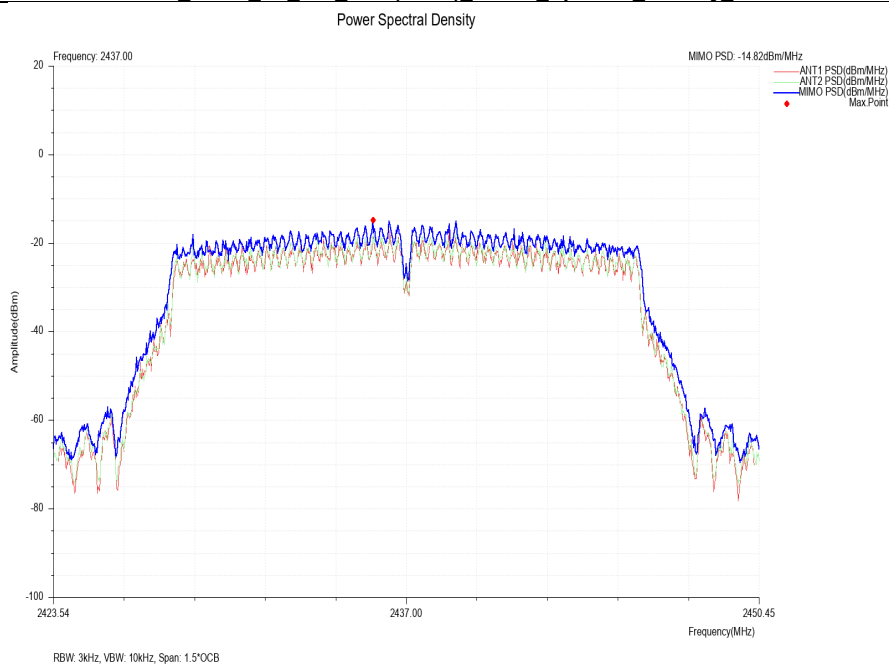
NVNT_MIMO_TX_802_11n(HT20)_Power_Spectral_Density_2462



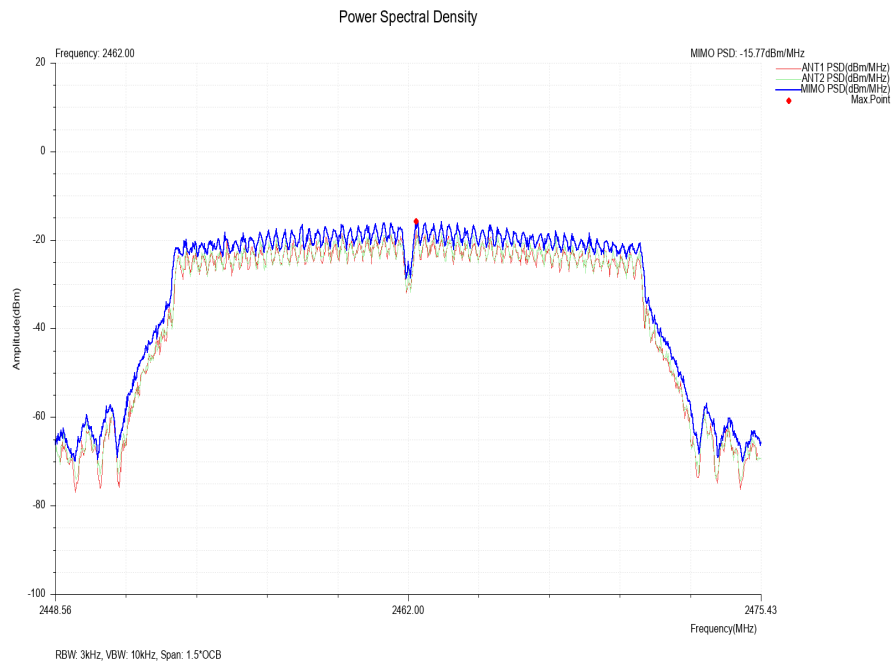
NVNT_MIMO_TX_802_11ax(HE20)_Power_Spectral_Density_2412



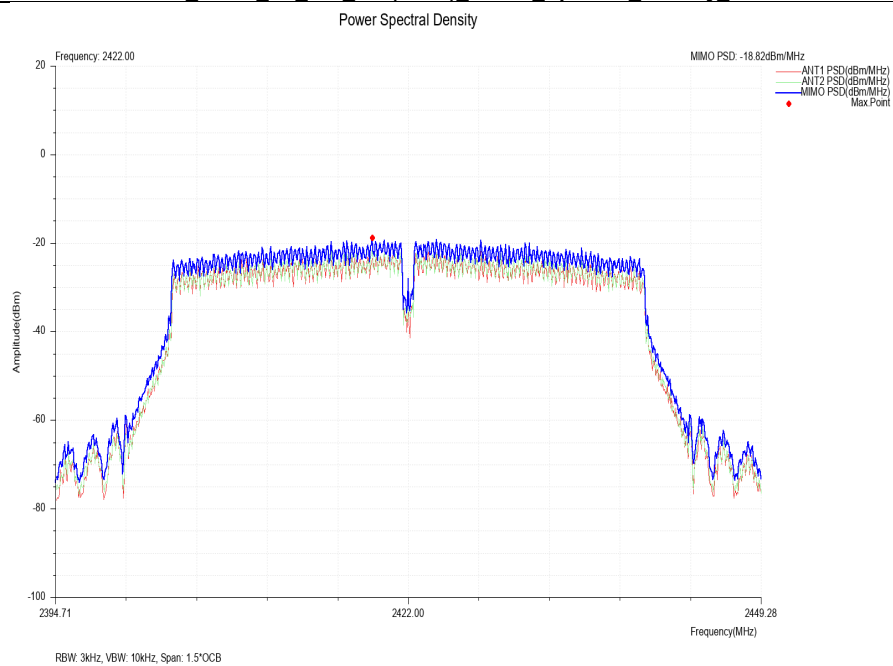
NVNT_MIMO_TX_802_11ax(HE20)_Power_Spectral_Density_2437



NVNT_MIMO_TX_802_11ax(HE20)_Power_Spectral_Density_2462



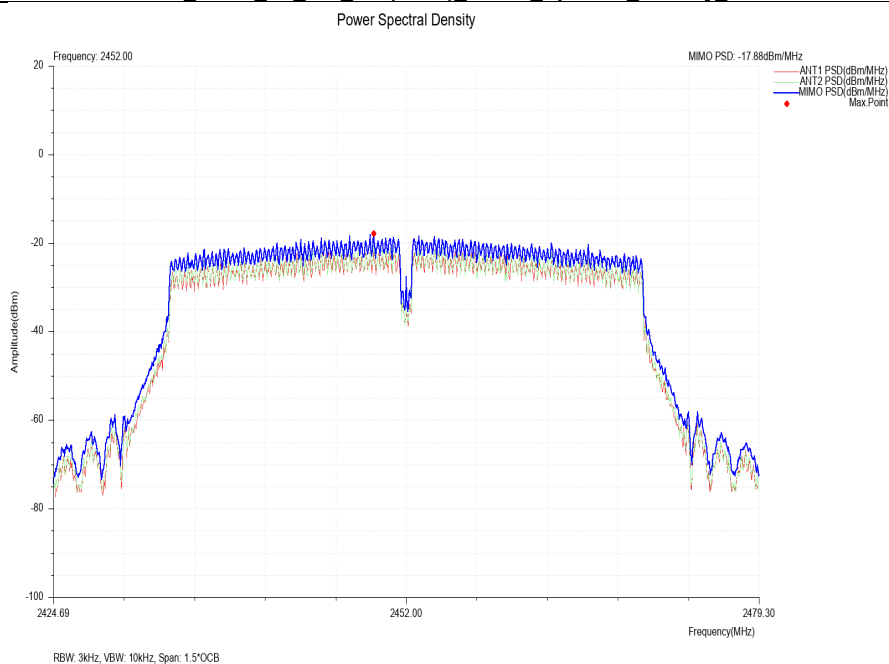
NVNT_MIMO_TX_802_11n(HT40)_Power_Spectral_Density_2422



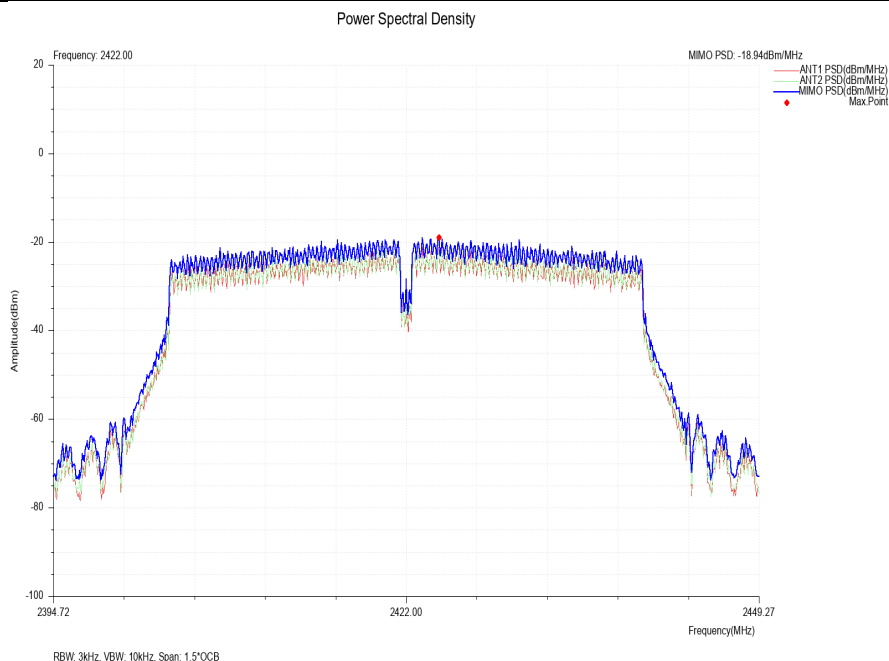
NVNT_MIMO_TX_802_11n(HT40)_Power_Spectral_Density_2437



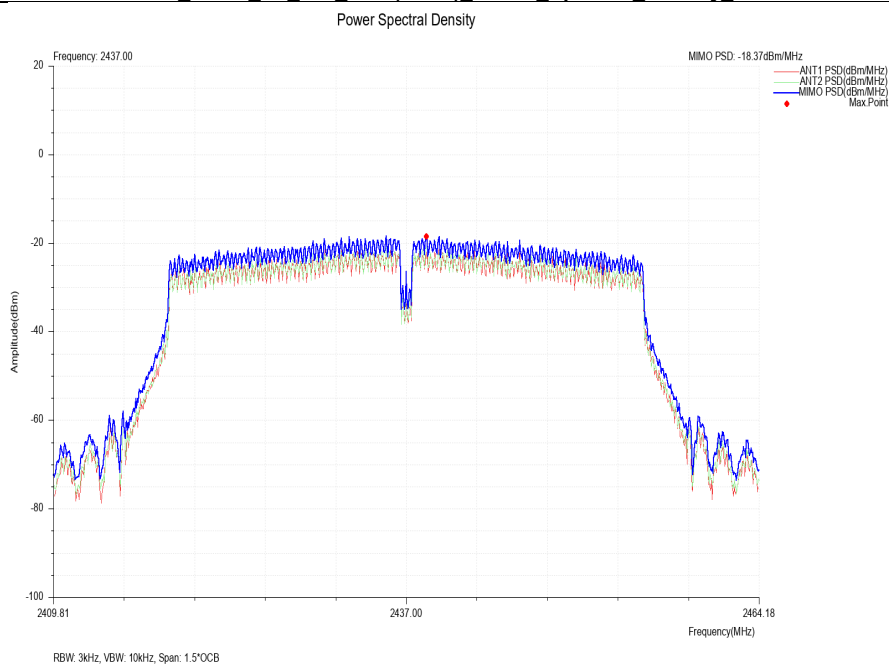
NVNT_MIMO_TX_802_11n(HT40)_Power_Spectral_Density_2452

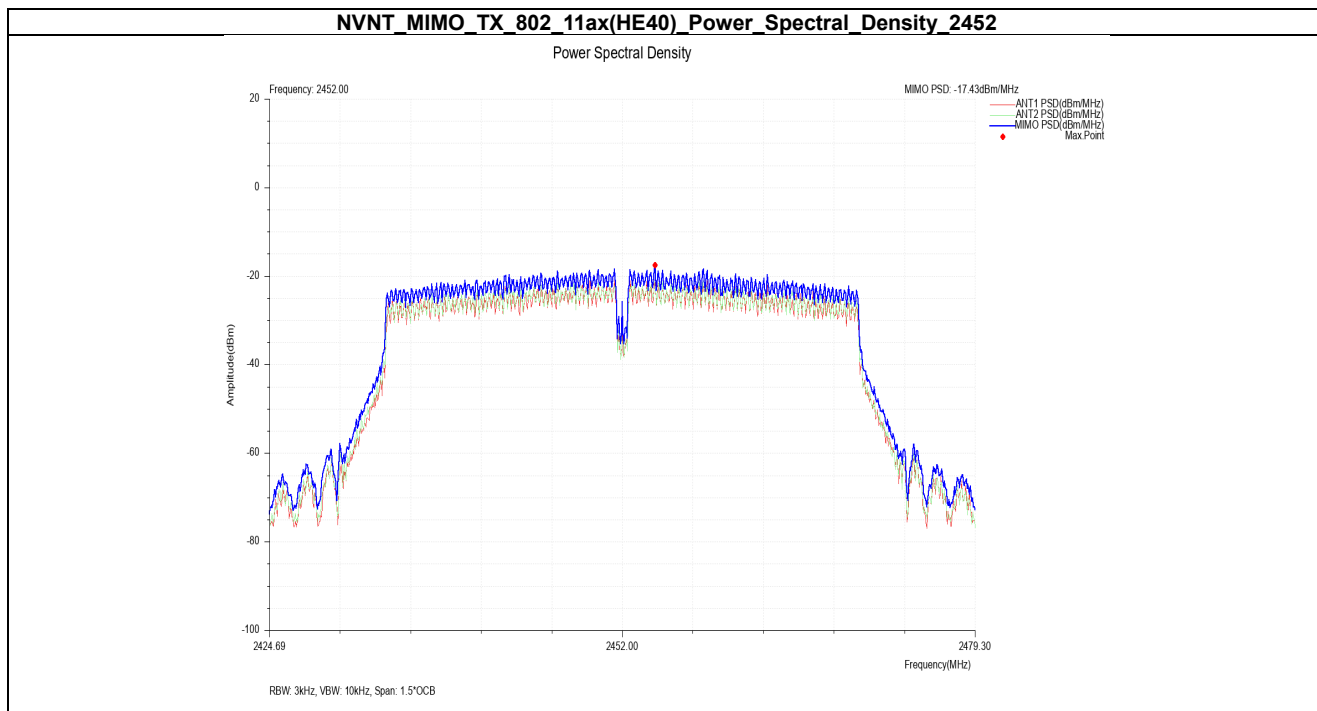


NVNT_MIMO_TX_802_11ax(HE40)_Power_Spectral_Density_2422



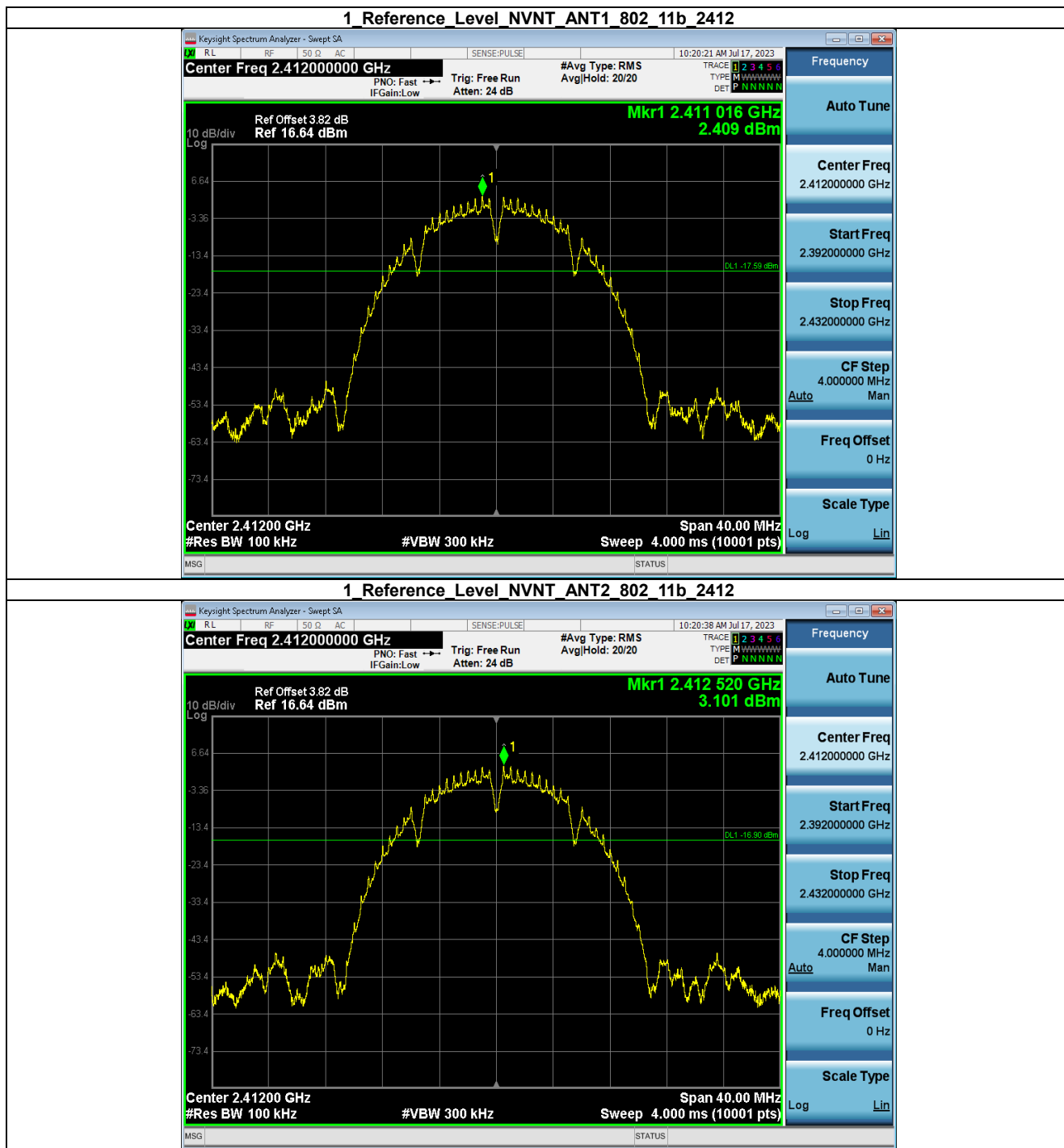
NVNT_MIMO_TX_802_11ax(HE40)_Power_Spectral_Density_2437



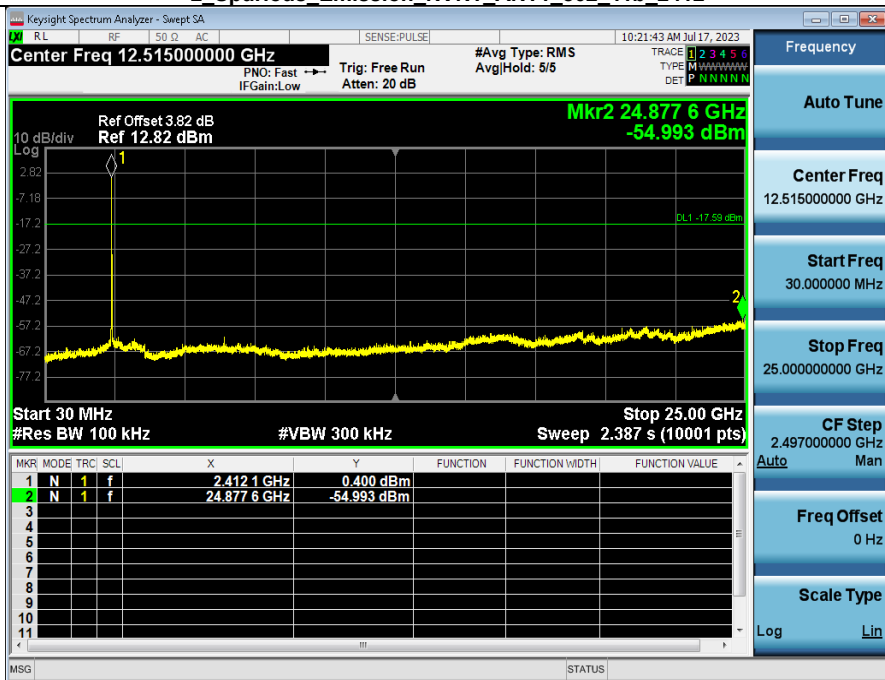


Spurious Emission

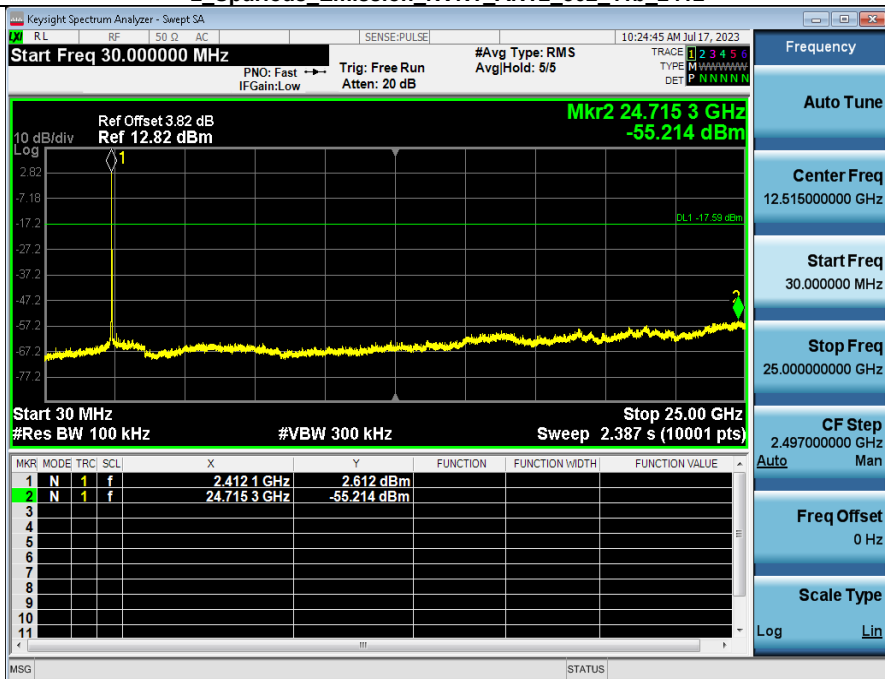
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	24877.647	-54.993	-17.591	Pass
NVNT	ANT2	802.11b	2412.00	24715.342	-55.214	-17.591	Pass
NVNT	ANT1	802.11b	2437.00	24732.821	-54.360	-16.934	Pass
NVNT	ANT2	802.11b	2437.00	24540.552	-54.328	-16.934	Pass
NVNT	ANT1	802.11b	2462.00	24862.665	-54.799	-17.052	Pass
NVNT	ANT2	802.11b	2462.00	24877.647	-54.340	-17.052	Pass
NVNT	ANT1	802.11g	2412.00	24765.282	-55.276	-22.176	Pass
NVNT	ANT2	802.11g	2412.00	24877.647	-55.651	-22.176	Pass
NVNT	ANT1	802.11g	2437.00	24525.570	-54.635	-21.456	Pass
NVNT	ANT2	802.11g	2437.00	24962.545	-55.256	-21.456	Pass
NVNT	ANT1	802.11g	2462.00	24950.060	-54.622	-21.811	Pass
NVNT	ANT2	802.11g	2462.00	24495.606	-55.433	-21.811	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2574.443	-63.231	-24.366	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	24652.917	-62.847	-24.366	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	2599.413	-60.197	-24.552	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	2596.916	-63.154	-24.552	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	24630.444	-56.609	-23.936	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	24727.827	-56.765	-23.936	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	24910.108	-57.292	-25.042	Pass
NVNT	ANT2	802.11ax(HE20)	2412.00	24747.803	-56.996	-25.042	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	24900.120	-57.291	-24.027	Pass
NVNT	ANT2	802.11ax(HE20)	2437.00	24630.444	-57.039	-24.027	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	24750.300	-56.842	-23.931	Pass
NVNT	ANT2	802.11ax(HE20)	2462.00	24767.779	-56.880	-23.931	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	24827.707	-59.636	-27.150	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	24737.815	-58.506	-27.150	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	24840.192	-58.369	-26.381	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	24720.336	-58.687	-26.381	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	896.459	-56.955	-26.552	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	24875.150	-58.721	-26.552	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	24760.288	-59.232	-27.315	Pass
NVNT	ANT2	802.11ax(HE40)	2422.00	24622.953	-59.729	-27.315	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	24850.180	-59.236	-26.585	Pass
NVNT	ANT2	802.11ax(HE40)	2437.00	24230.924	-58.976	-26.585	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	2619.389	-61.686	-26.551	Pass
NVNT	ANT2	802.11ax(HE40)	2452.00	2502.030	-64.006	-26.551	Pass

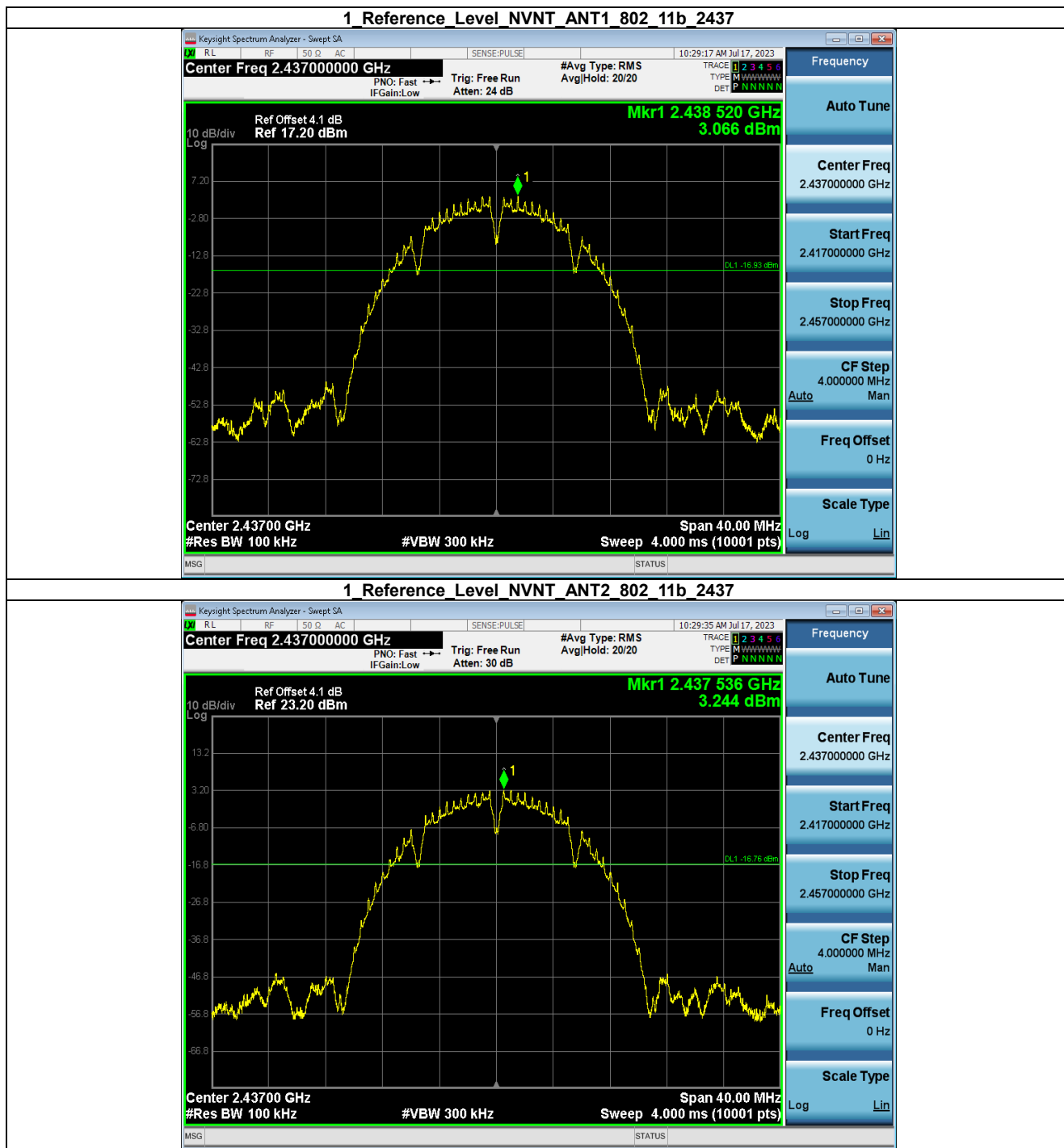


2 Spurious Emission NVNT_ANT1_802_11b_2412

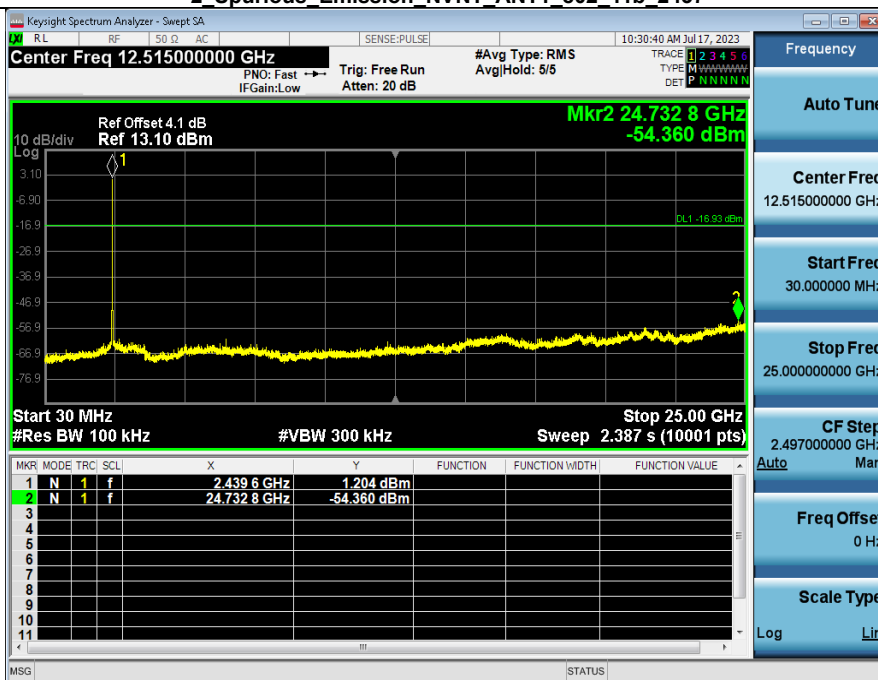


2 Spurious Emission NVNT_ANT2_802_11b_2412

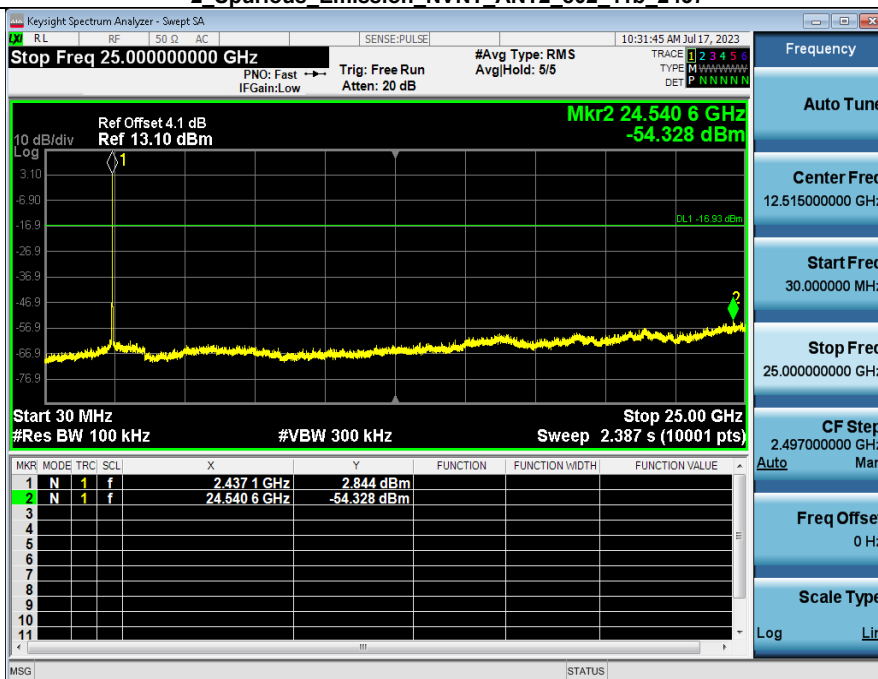


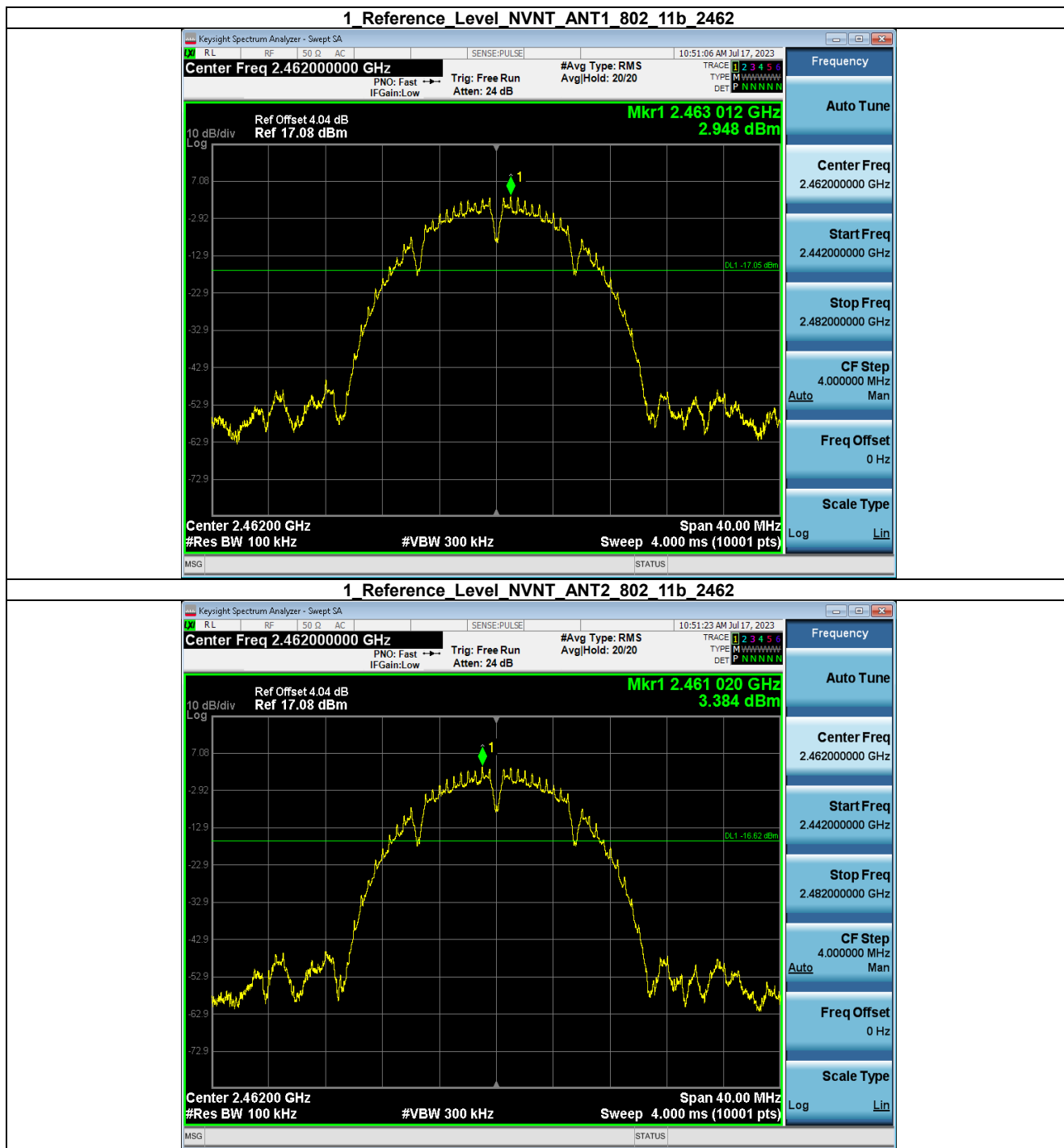


2 Spurious Emission NVNT_ANT1_802_11b_2437

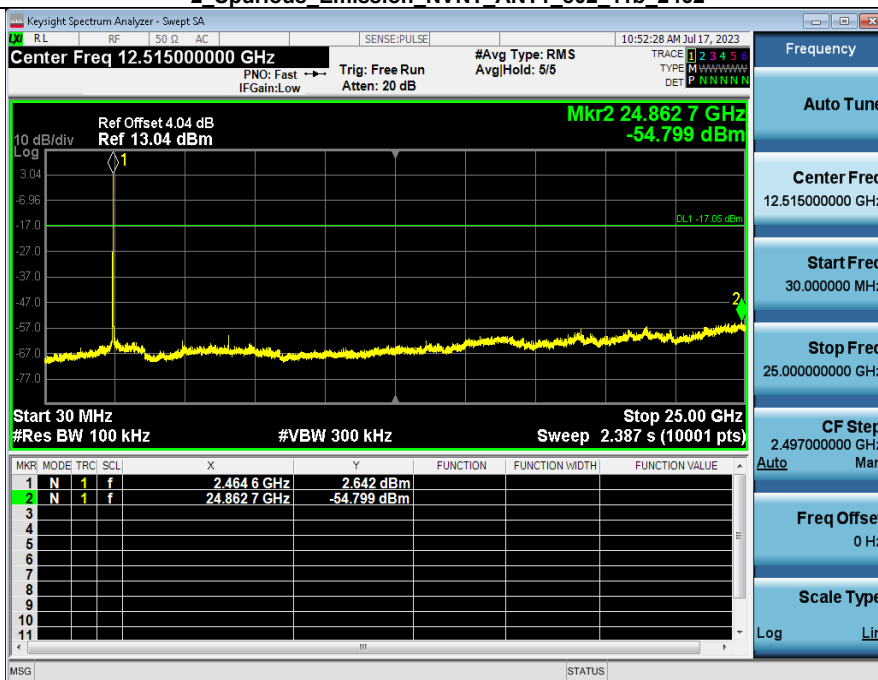


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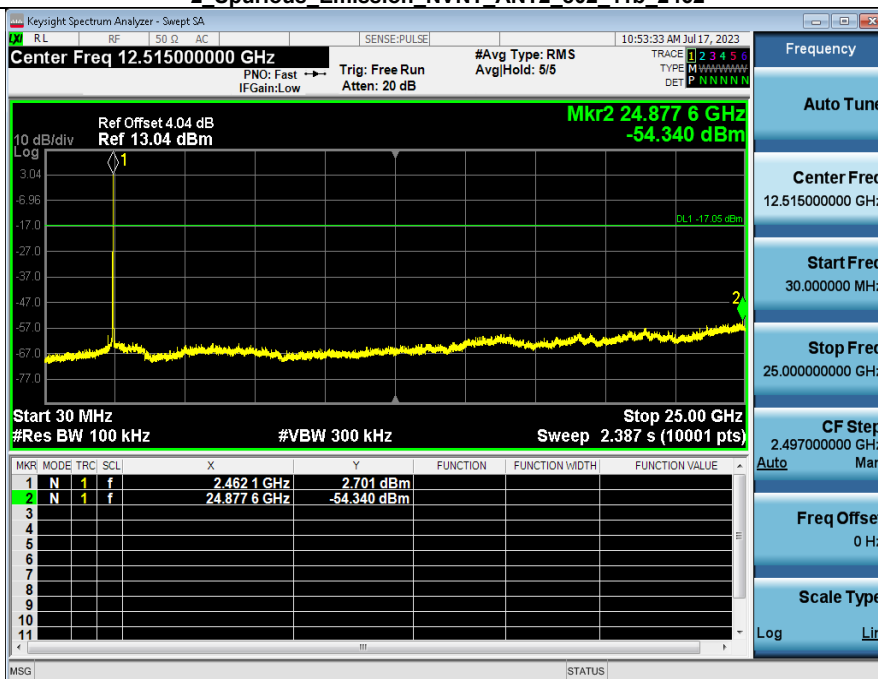


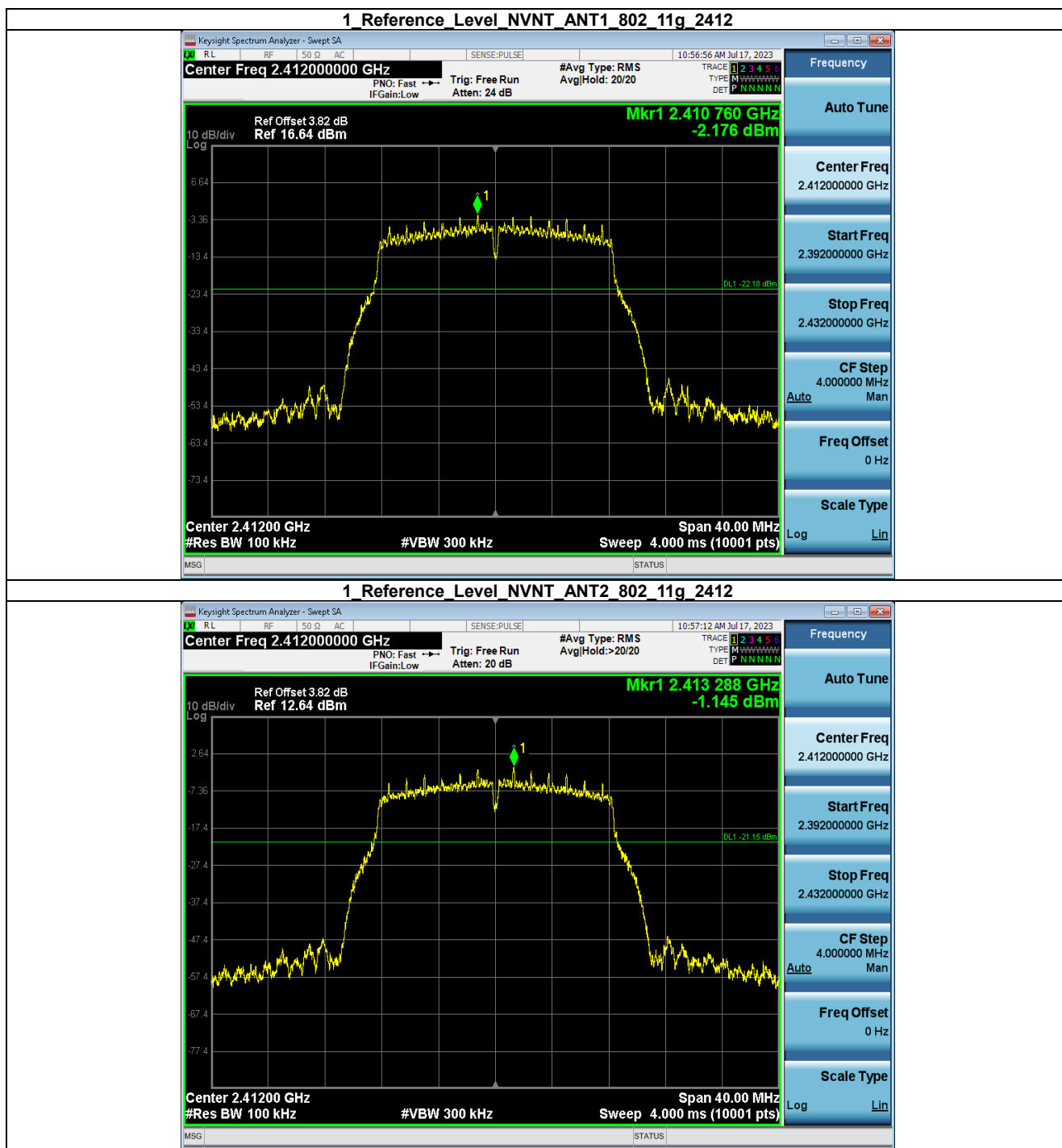


2 Spurious Emission NVNT_ANT1_802_11b_2462

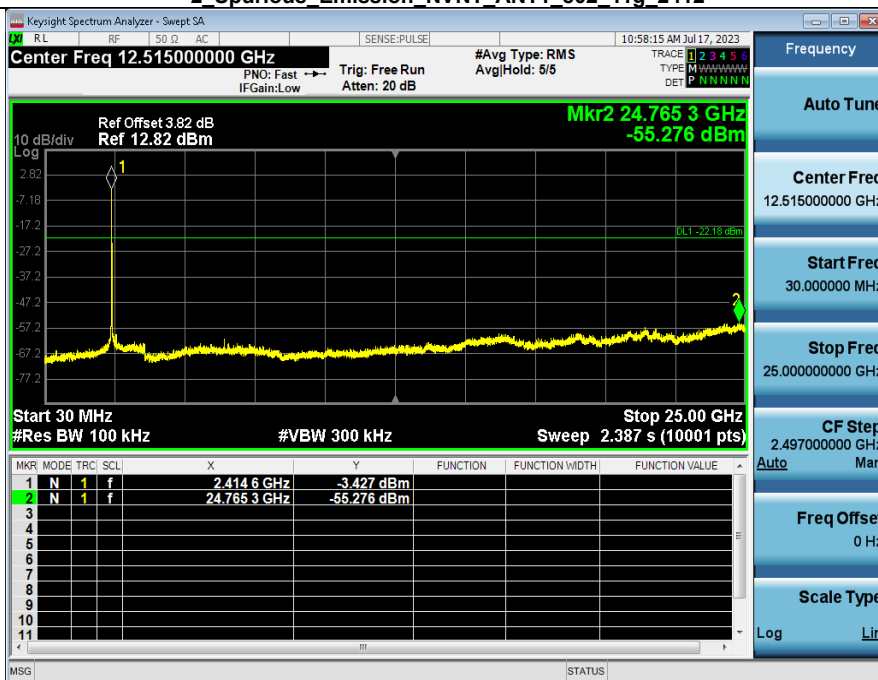


2 Spurious Emission NVNT_ANT2_802_11b_2462

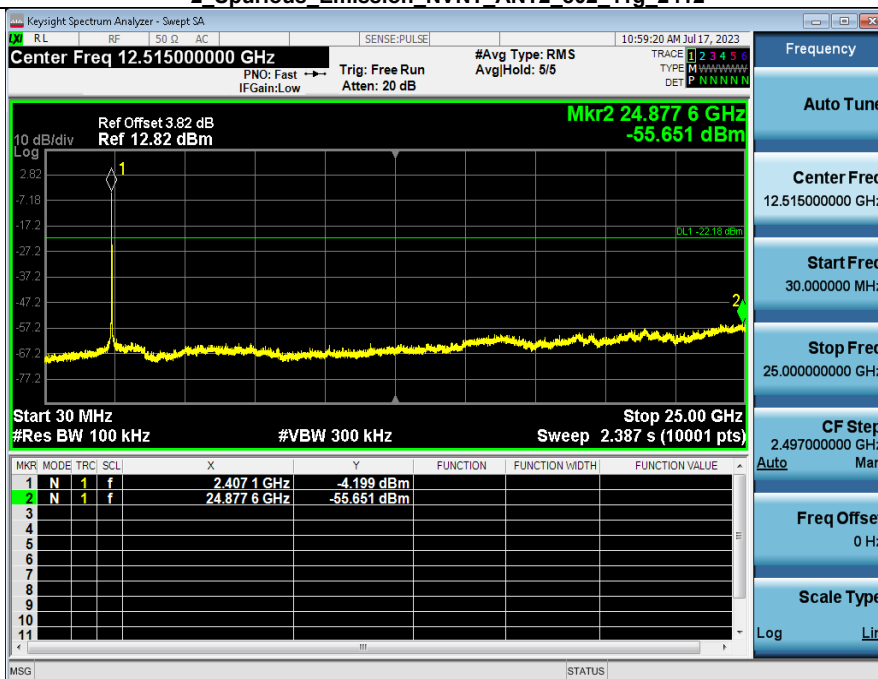


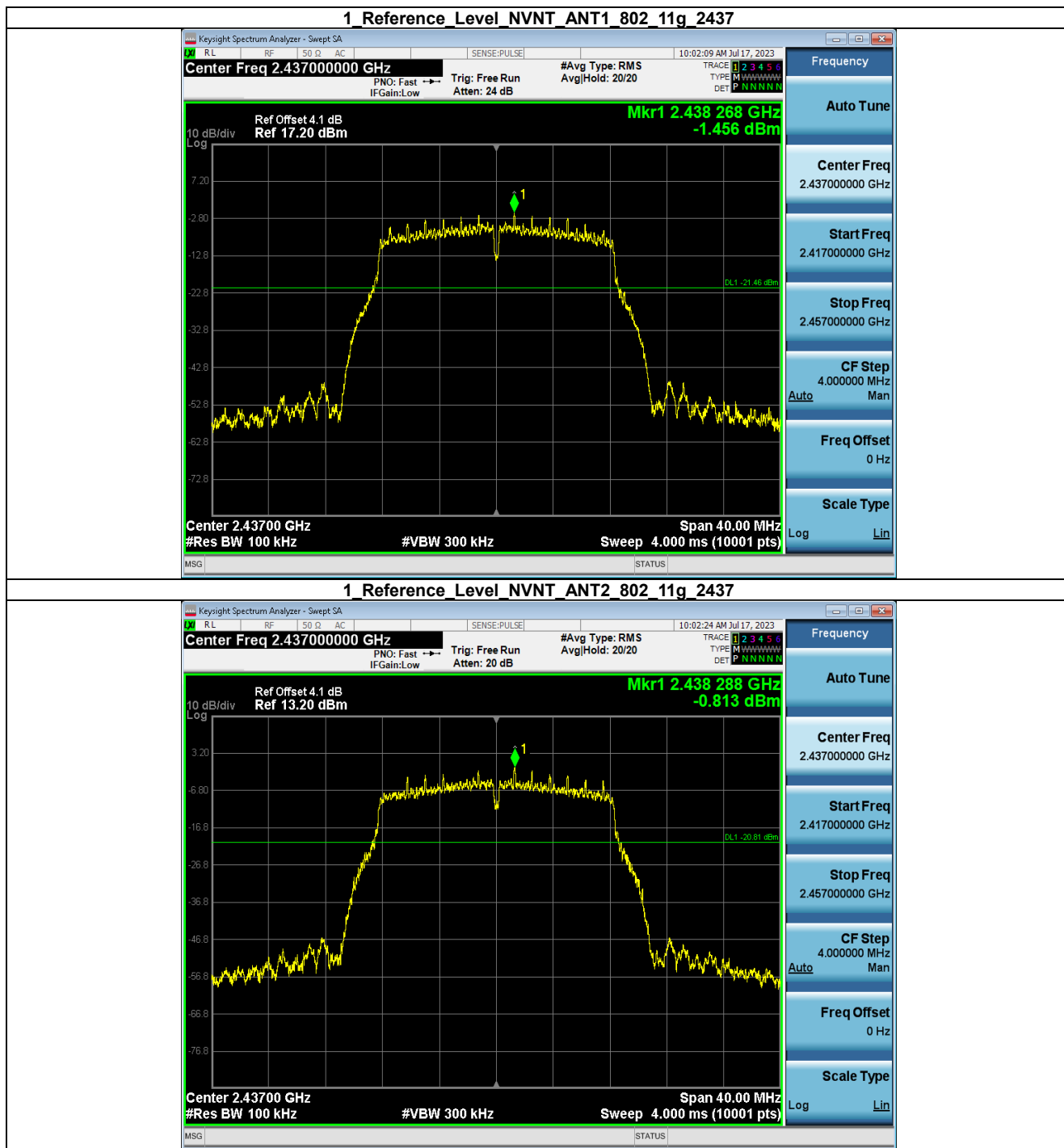


2 Spurious Emission NVNT_ANT1_802_11g_2412

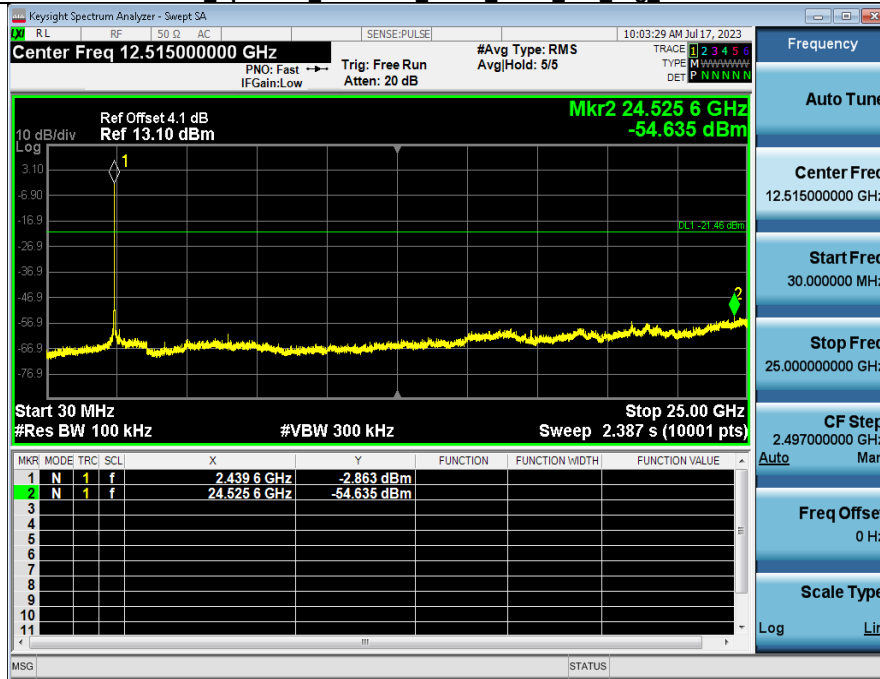


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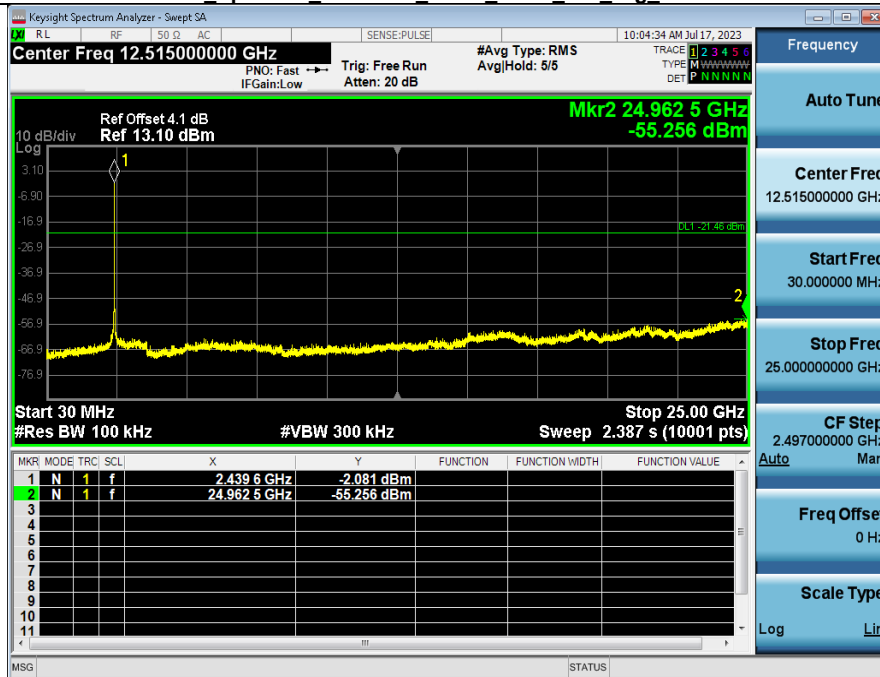




2 Spurious Emission NVNT_ANT1_802_11g_2437

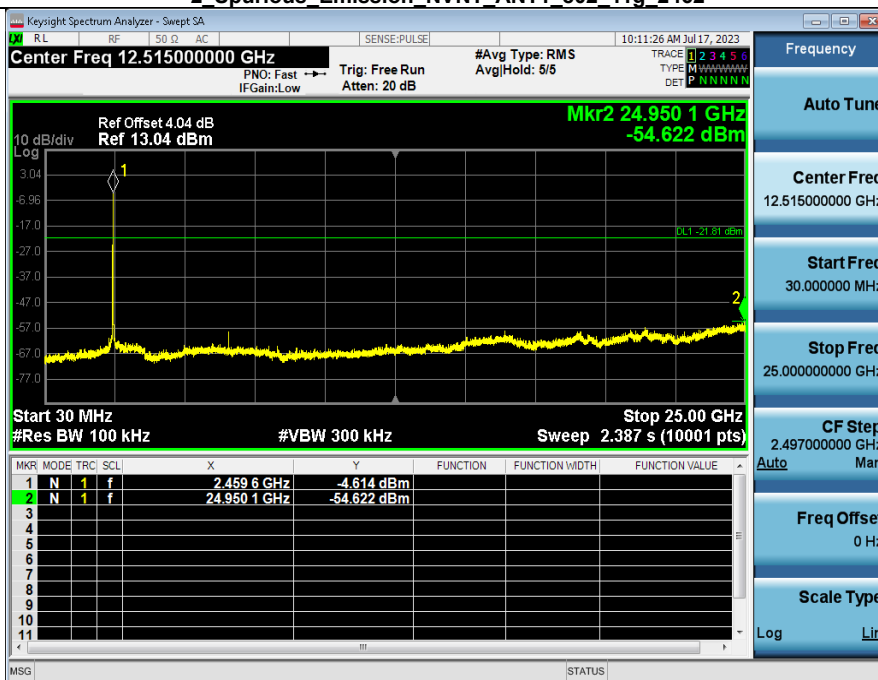


2 Spurious Emission NVNT_ANT2_802_11g_2437





2 Spurious Emission NVNT_ANT1_802_11g_2462



2 Spurious Emission NVNT_ANT2_802_11g_2462

