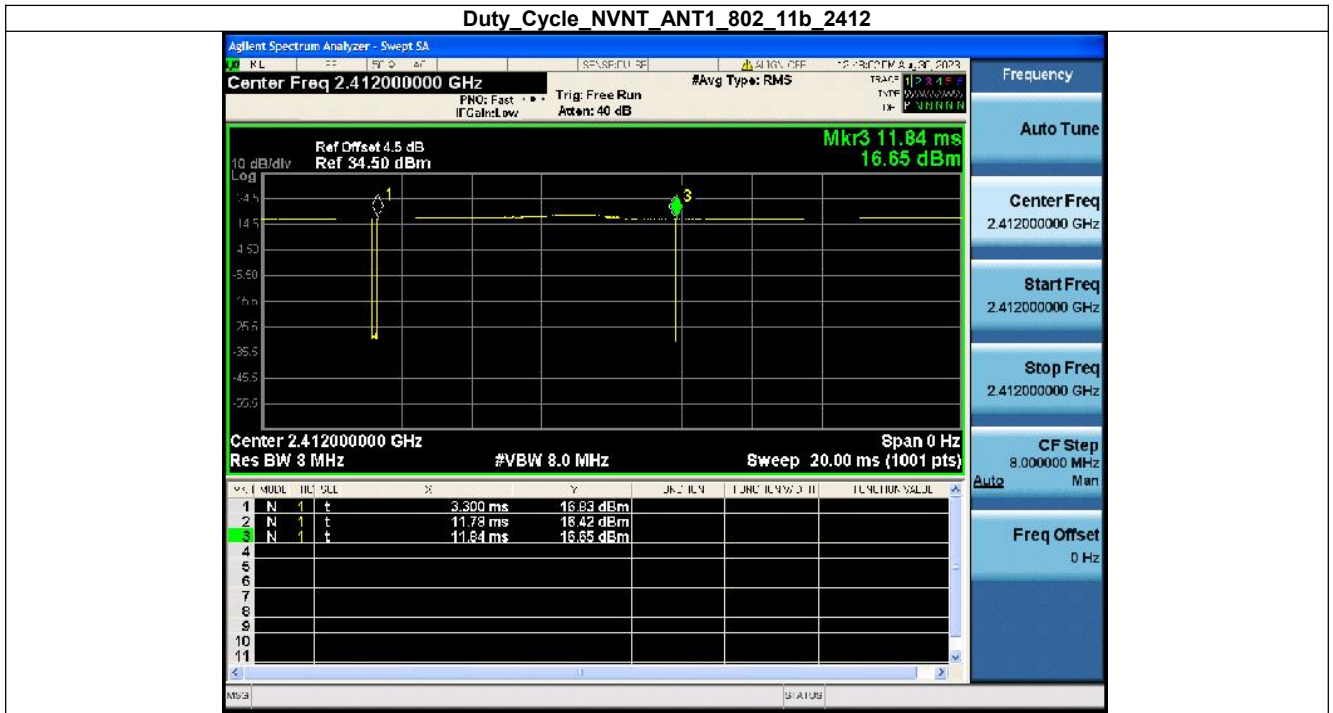


### 4. Duty Cycle

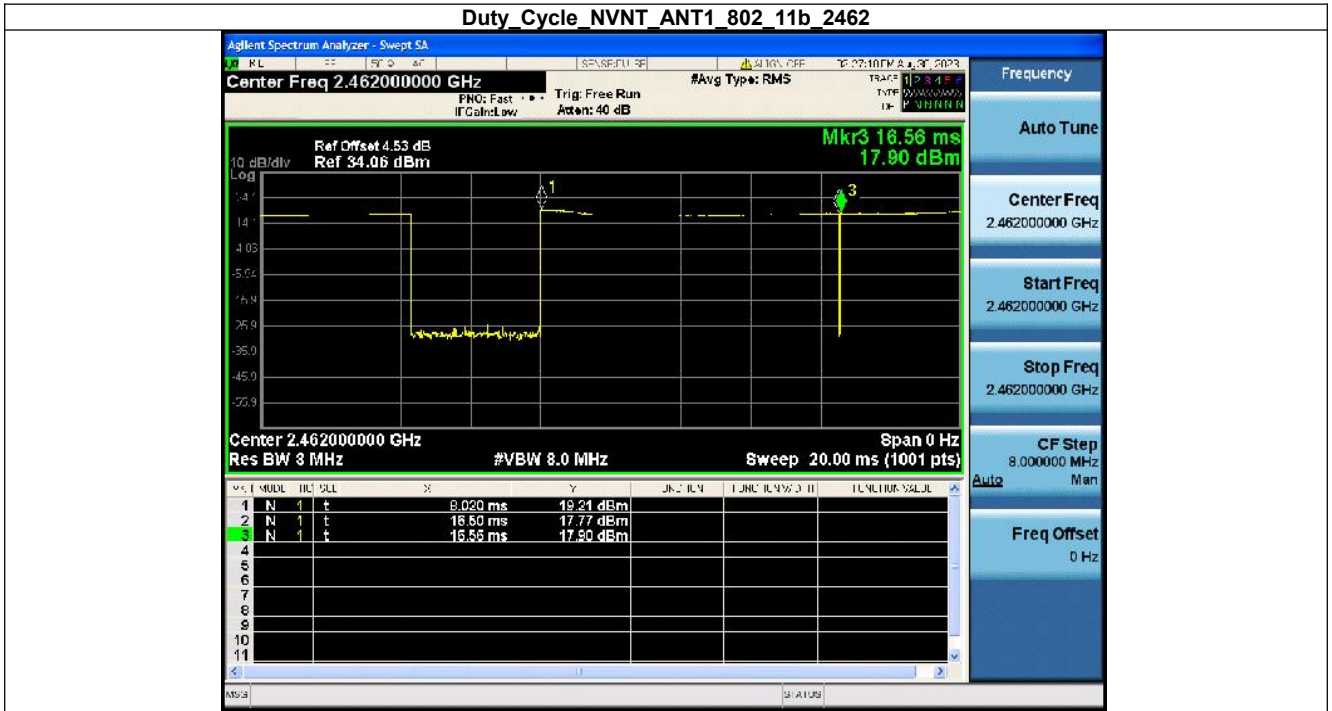
Condition	Antenna	Modulation	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	802.11b	2412.00	99.53	0.00
NVNT	ANT1	802.11b	2437.00	99.77	0.00
NVNT	ANT1	802.11b	2462.00	99.53	0.00
NVNT	ANT1	802.11g	2412.00	93.51	0.29
NVNT	ANT1	802.11g	2437.00	93.42	0.30
NVNT	ANT1	802.11g	2462.00	97.30	0.12
NVNT	ANT1	802.11n(HT20)	2412.00	94.29	0.26
NVNT	ANT1	802.11n(HT20)	2437.00	97.10	0.13
NVNT	ANT1	802.11n(HT20)	2462.00	91.67	0.38
NVNT	ANT1	802.11n(HT40)	2422.00	75.56	1.22
NVNT	ANT1	802.11n(HT40)	2437.00	64.71	1.89
NVNT	ANT1	802.11n(HT40)	2452.00	63.46	1.97



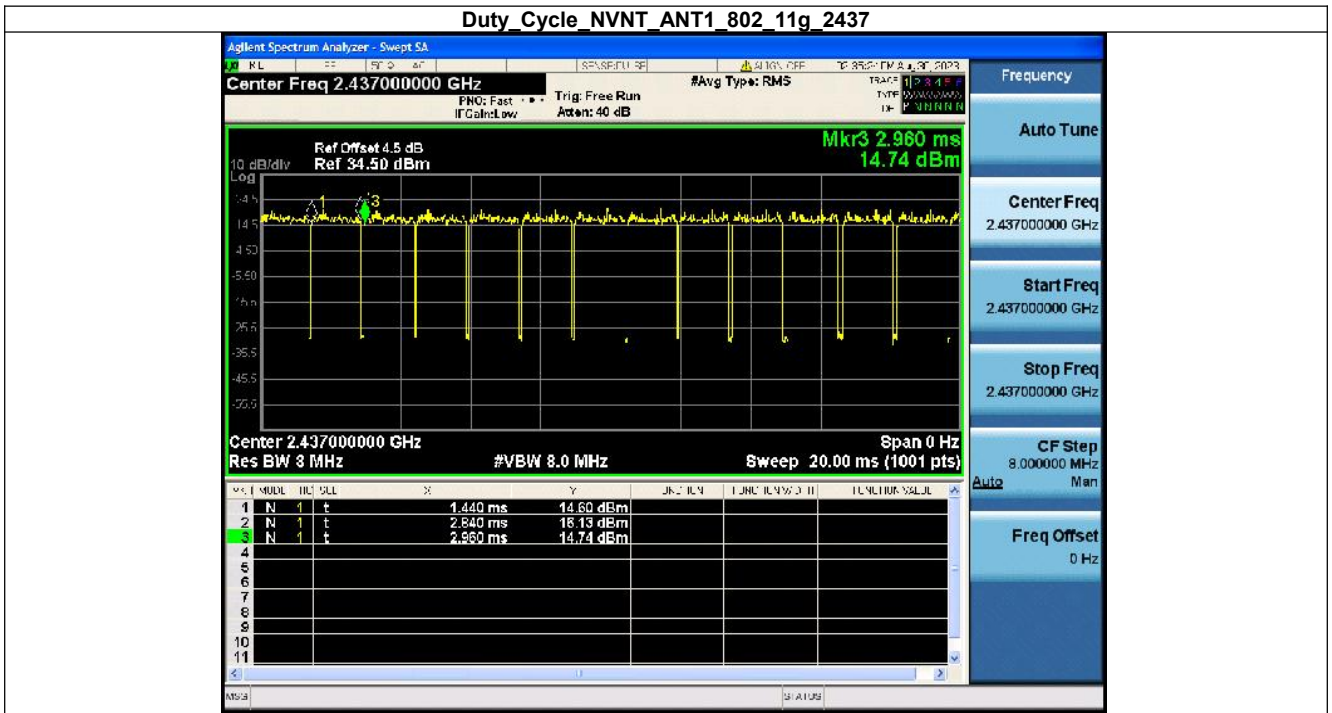
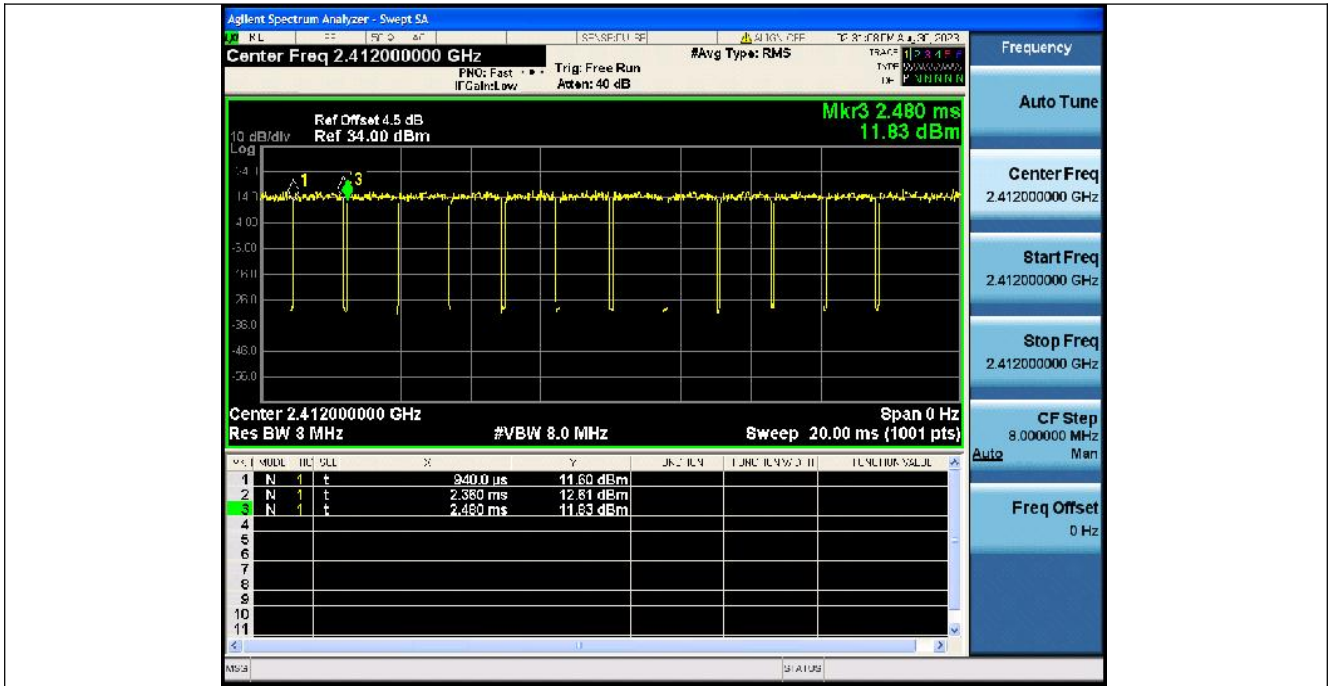
**Duty Cycle NVNT ANT1 802.11b 2437**



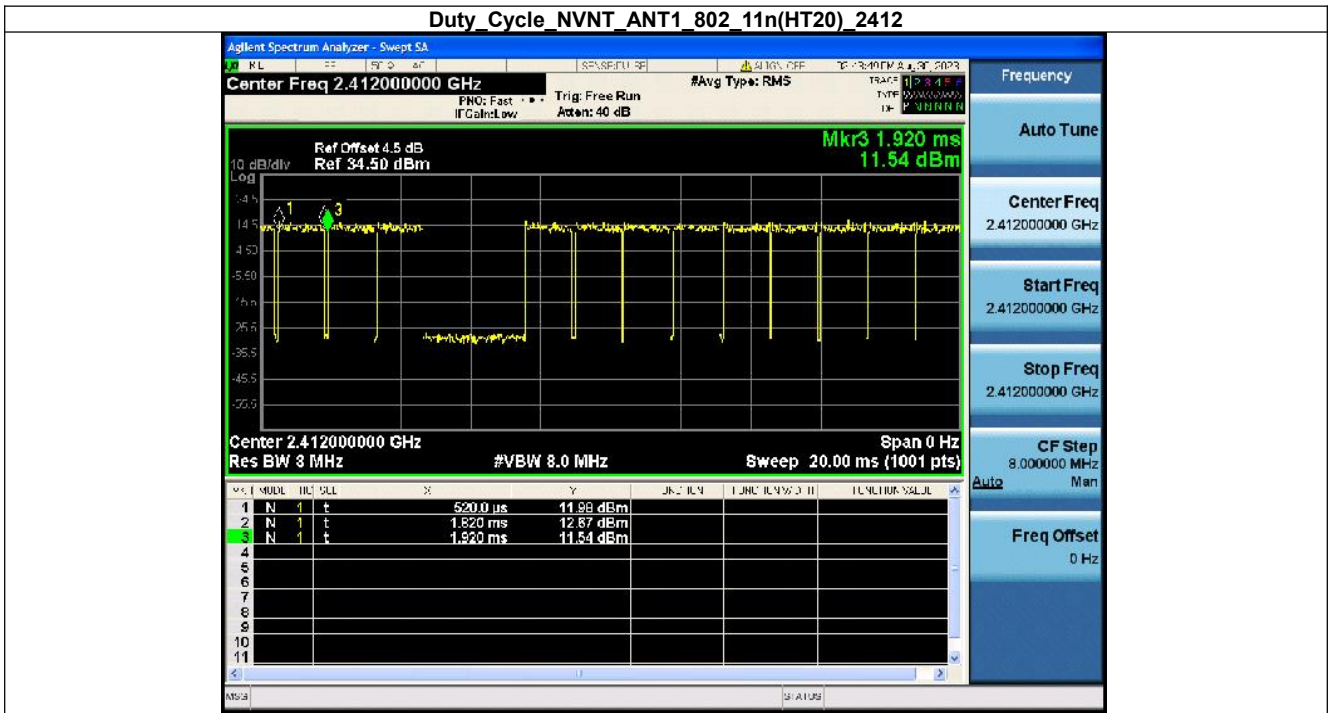
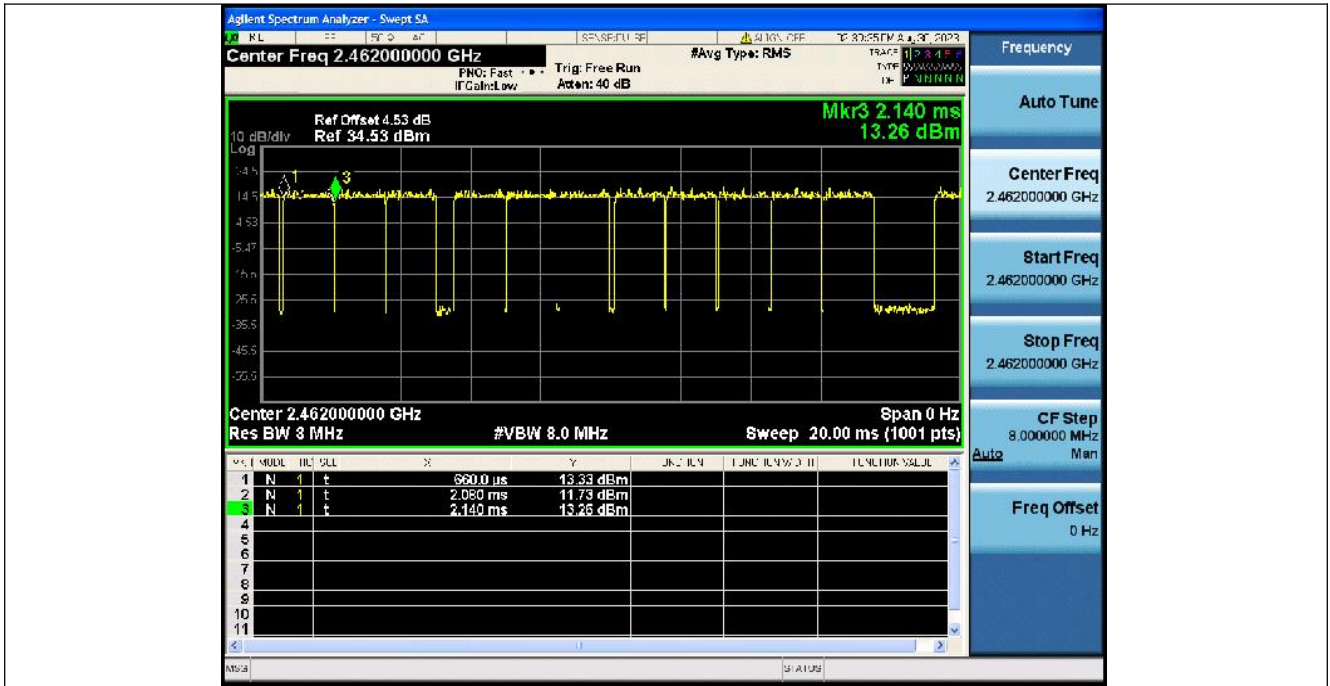
Duty Cycle NVNT\_ANT1\_802\_11b\_2462

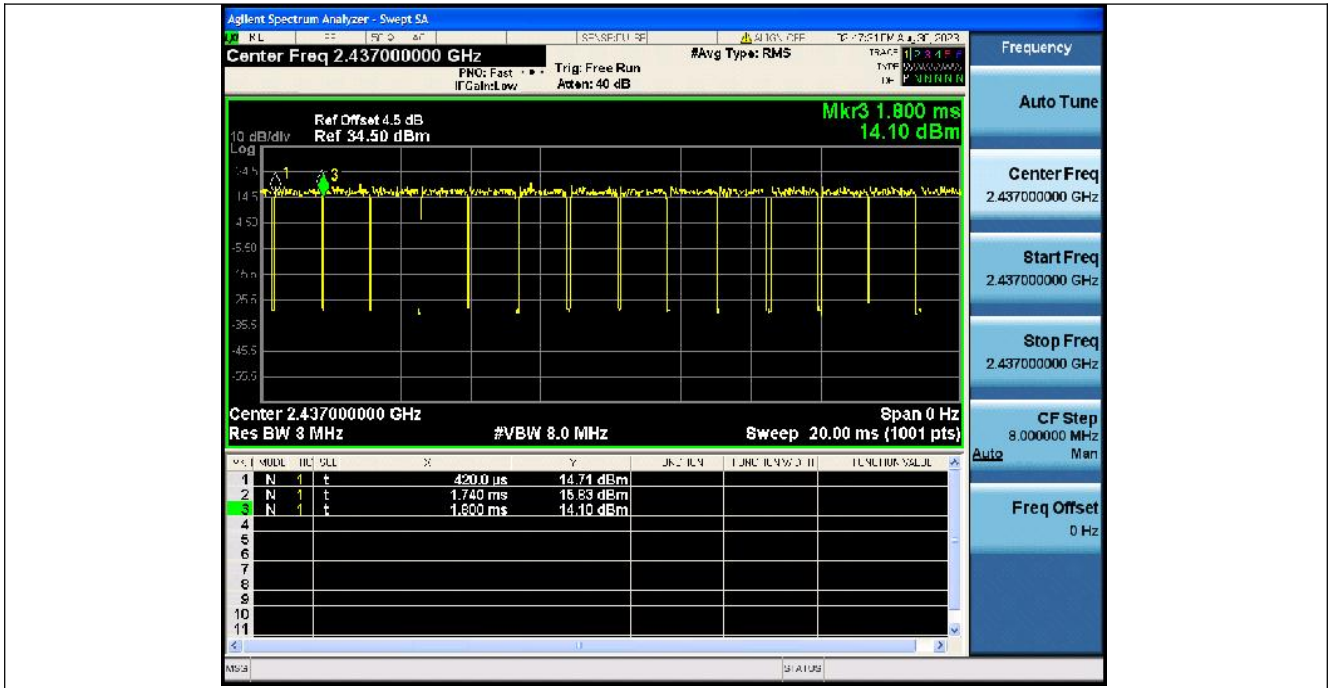


Duty Cycle NVNT\_ANT1\_802\_11g\_2412

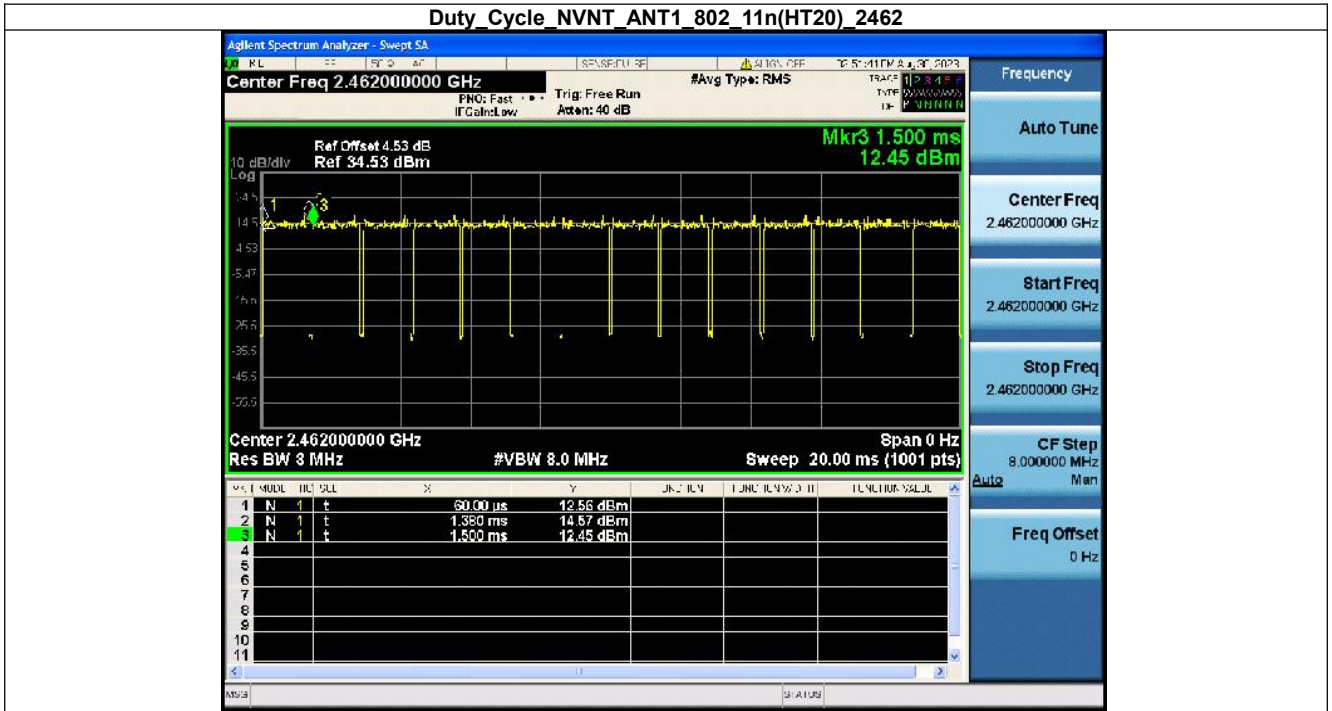


Duty Cycle NVNT\_ANT1\_802\_11g\_2462

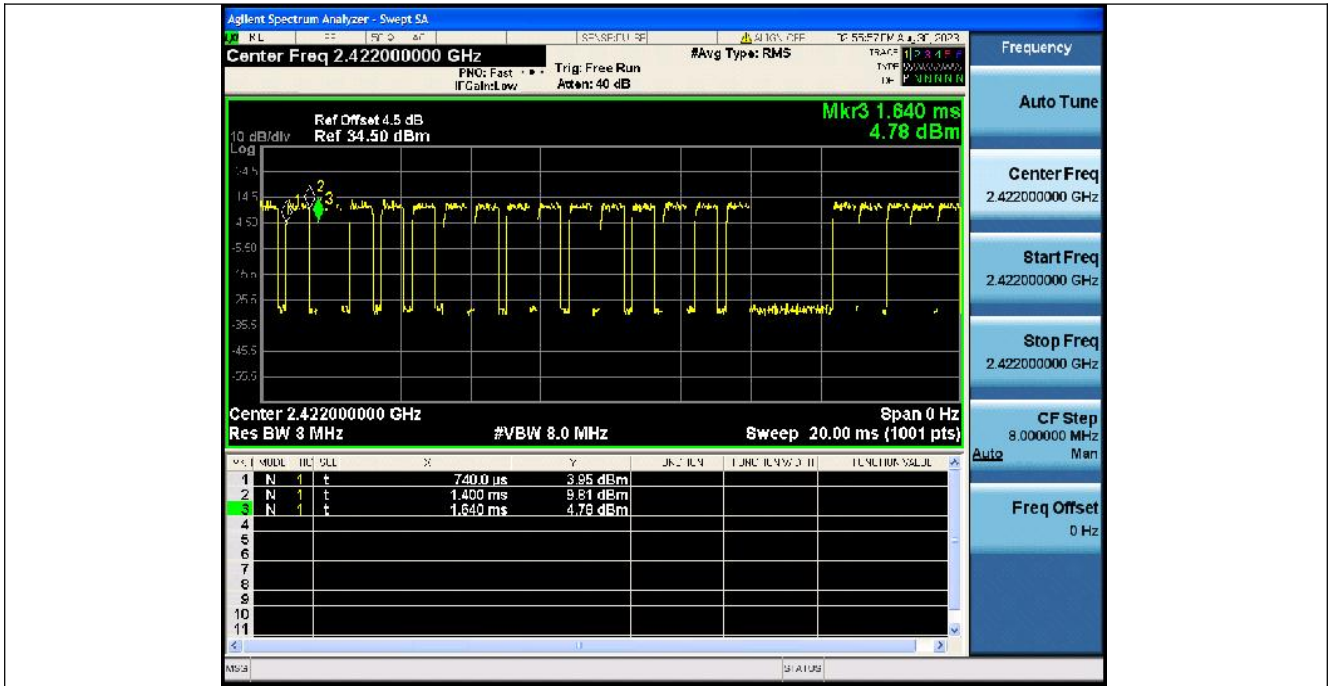




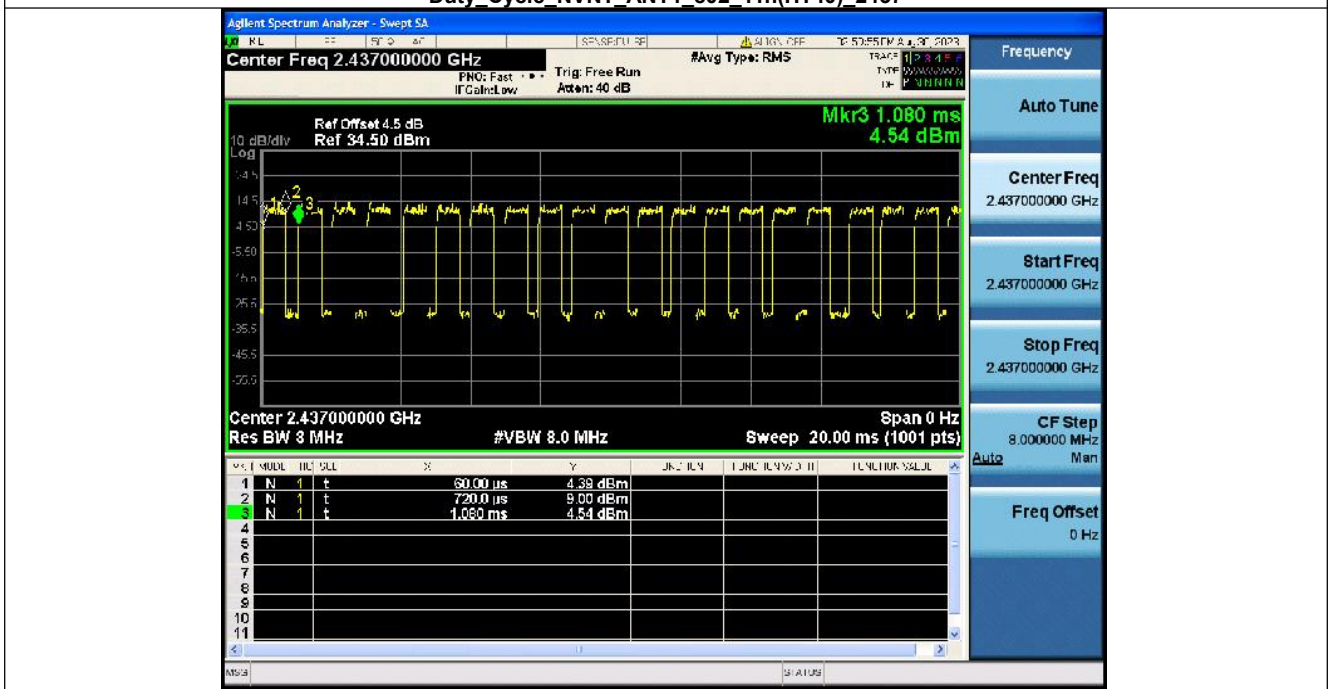
Duty Cycle NVNT\_ANT1\_802\_11n(HT20)\_2462



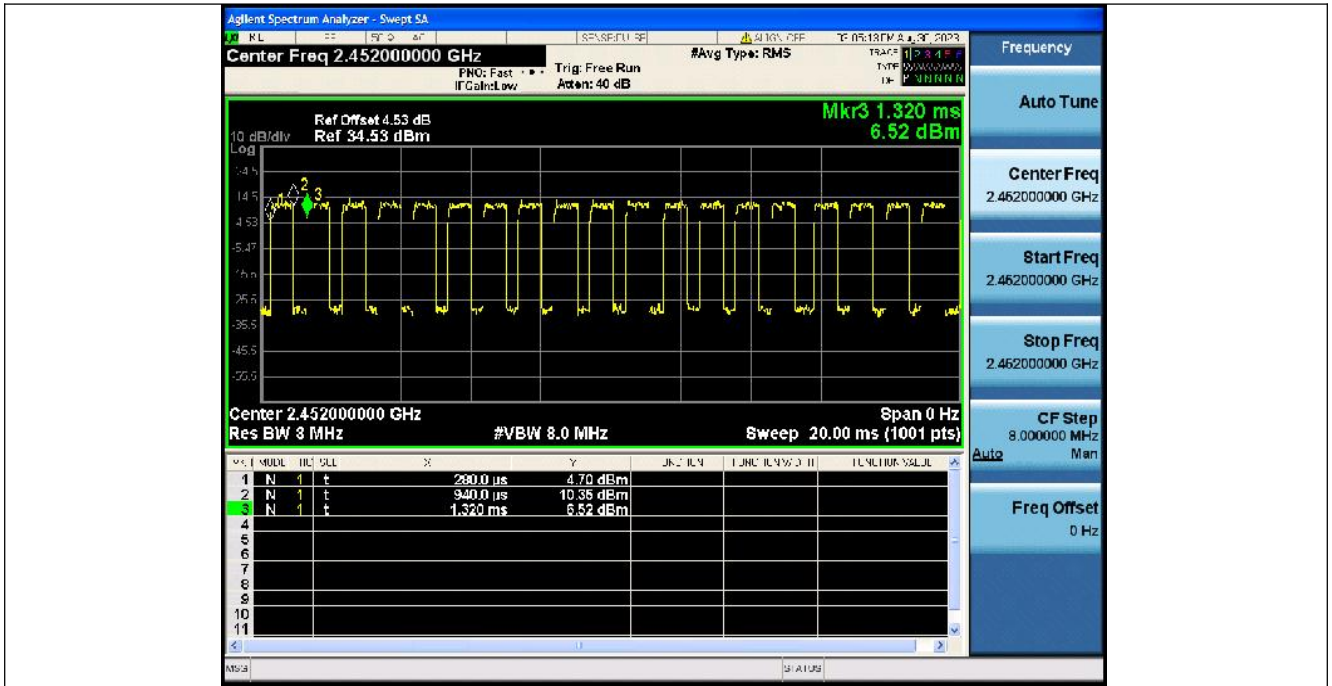
Duty Cycle NVNT\_ANT1\_802\_11n(HT40)\_2422



Duty Cycle NVNT\_ANT1\_802\_11n(HT40)\_2437

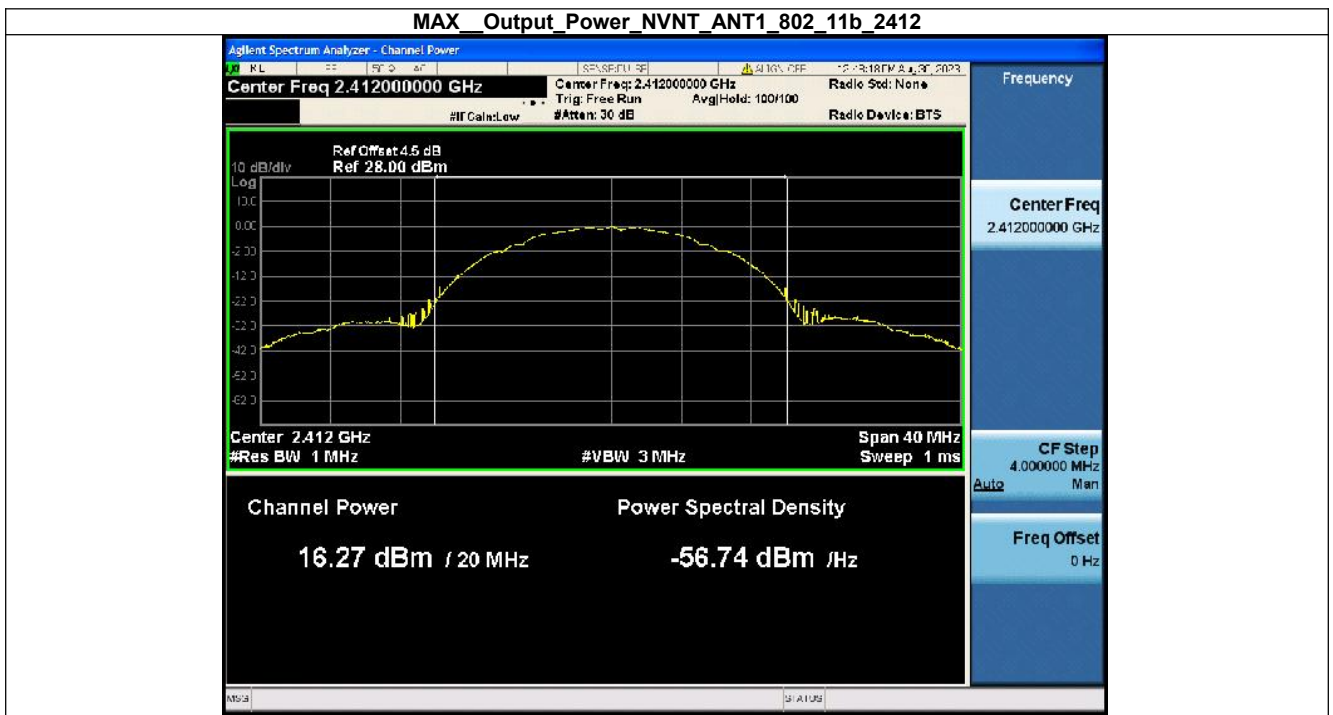


Duty Cycle NVNT\_ANT1\_802\_11n(HT40)\_2452



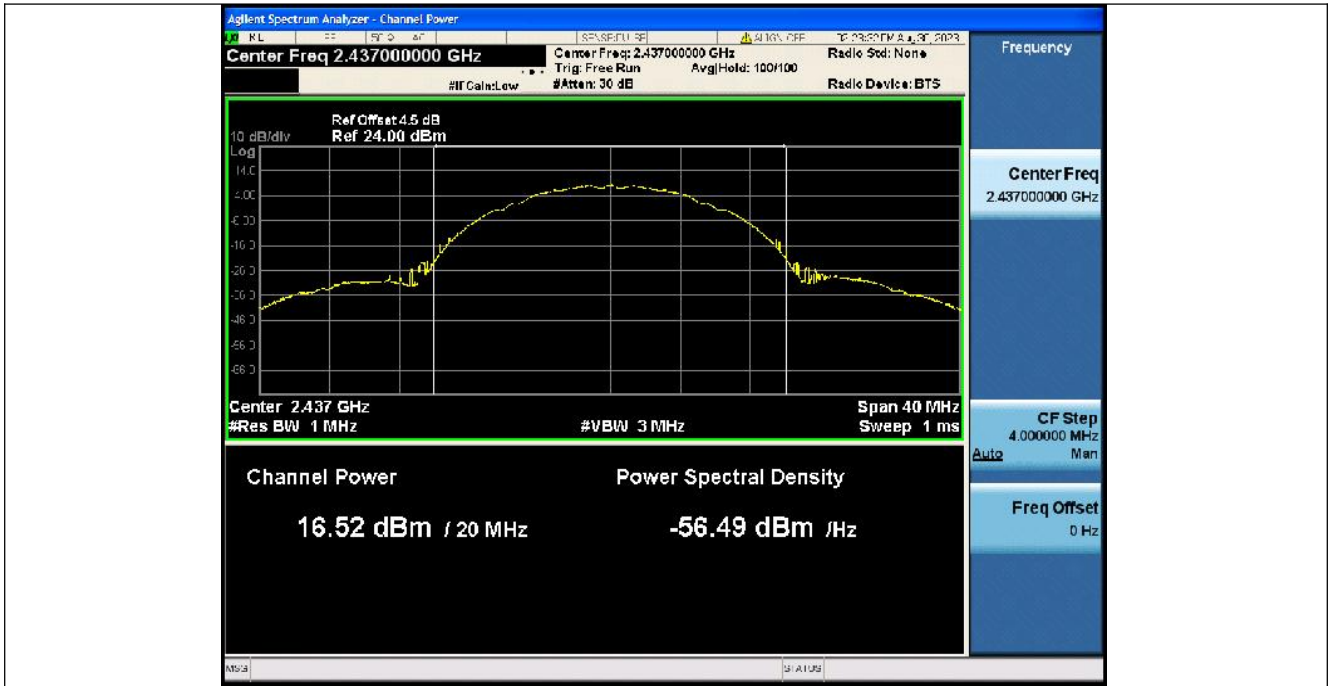
### 5. MAX. Output Power

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	16.27	N/A	16.27	30	Pass
NVNT	ANT1	802.11b	2437.00	Peak	16.52	N/A	16.52	30	Pass
NVNT	ANT1	802.11b	2462.00	Peak	16.97	N/A	16.97	30	Pass
NVNT	ANT1	802.11g	2412.00	Peak	17.89	N/A	17.89	30	Pass
NVNT	ANT1	802.11g	2437.00	Peak	20.33	N/A	20.33	30	Pass
NVNT	ANT1	802.11g	2462.00	Peak	18.97	N/A	18.97	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	Peak	17.35	N/A	17.35	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	Peak	20.32	N/A	20.32	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	Peak	18.02	N/A	18.02	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	Peak	18.01	N/A	18.01	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	Peak	18.23	N/A	18.23	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	Peak	18.38	N/A	18.38	30	Pass

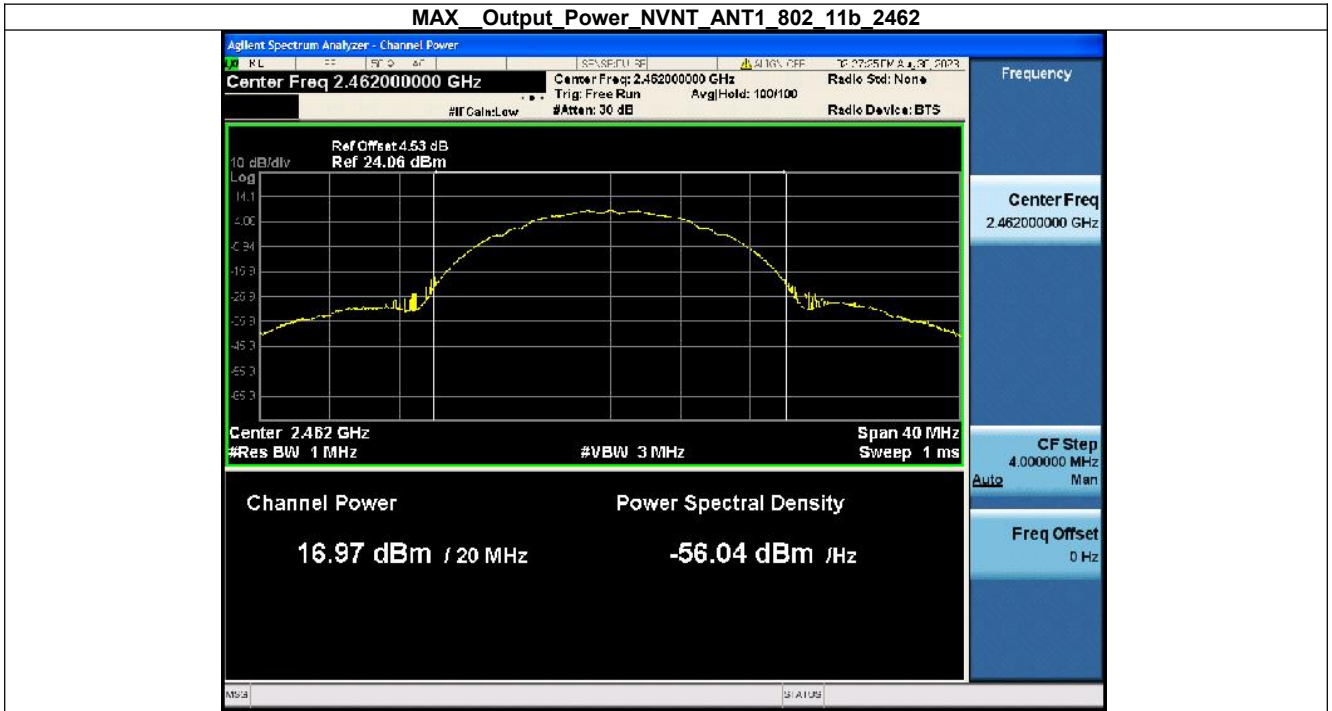


**MAX\_Output\_Power\_NVNT\_ANT1\_802\_11b\_2437**

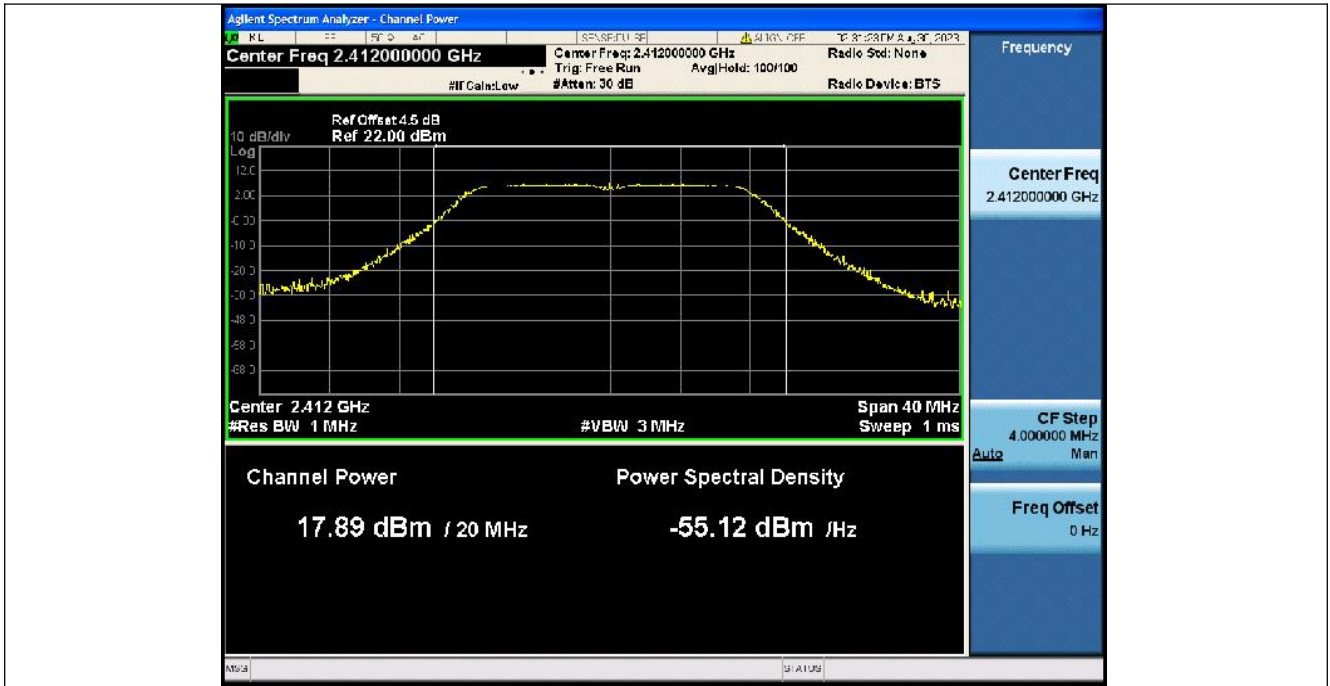




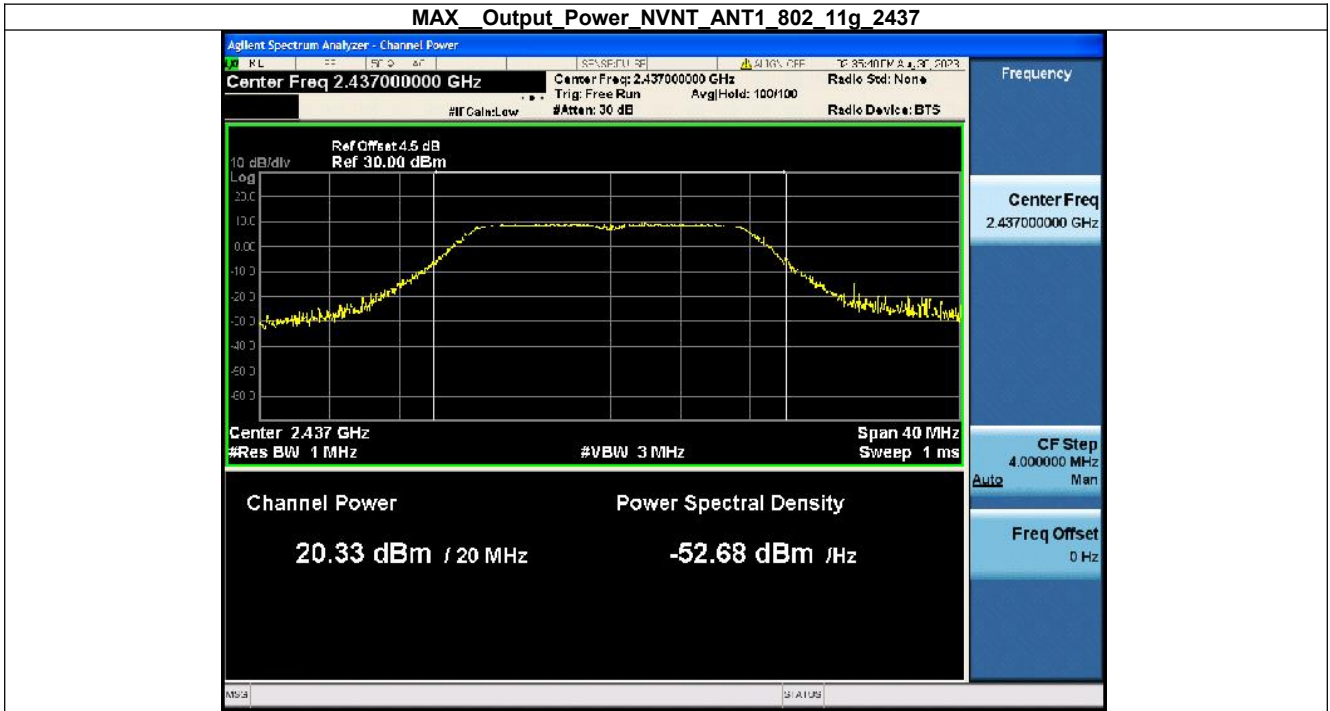
**MAX Output Power NVNT ANT1\_802\_11b\_2462**



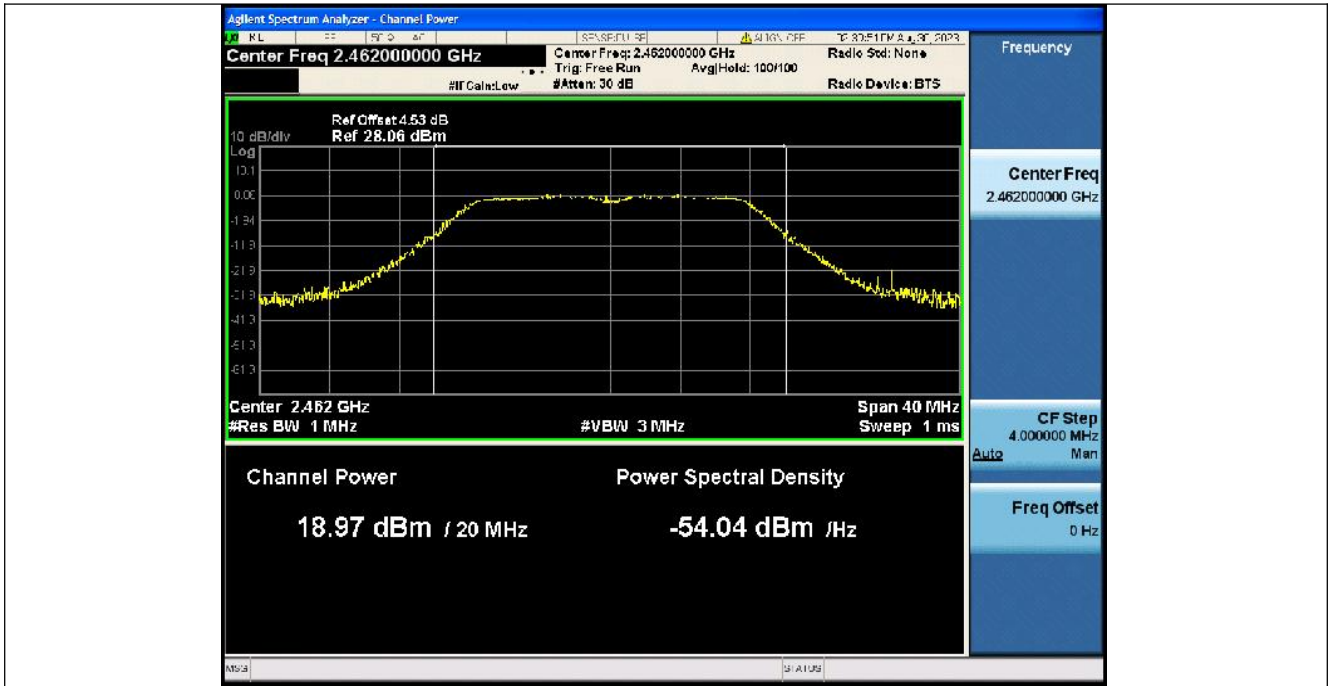
**MAX Output Power NVNT ANT1\_802\_11g\_2412**



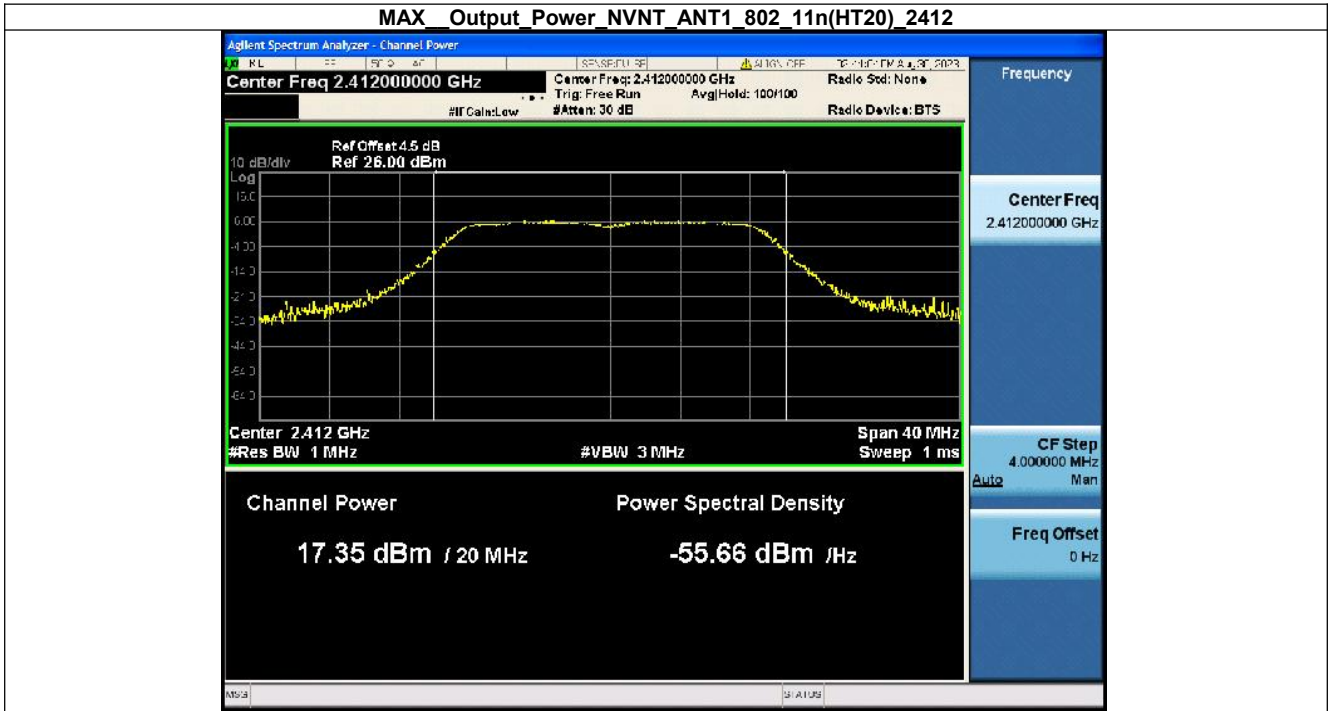
**MAX Output Power NVNT ANT1\_802\_11g\_2437**



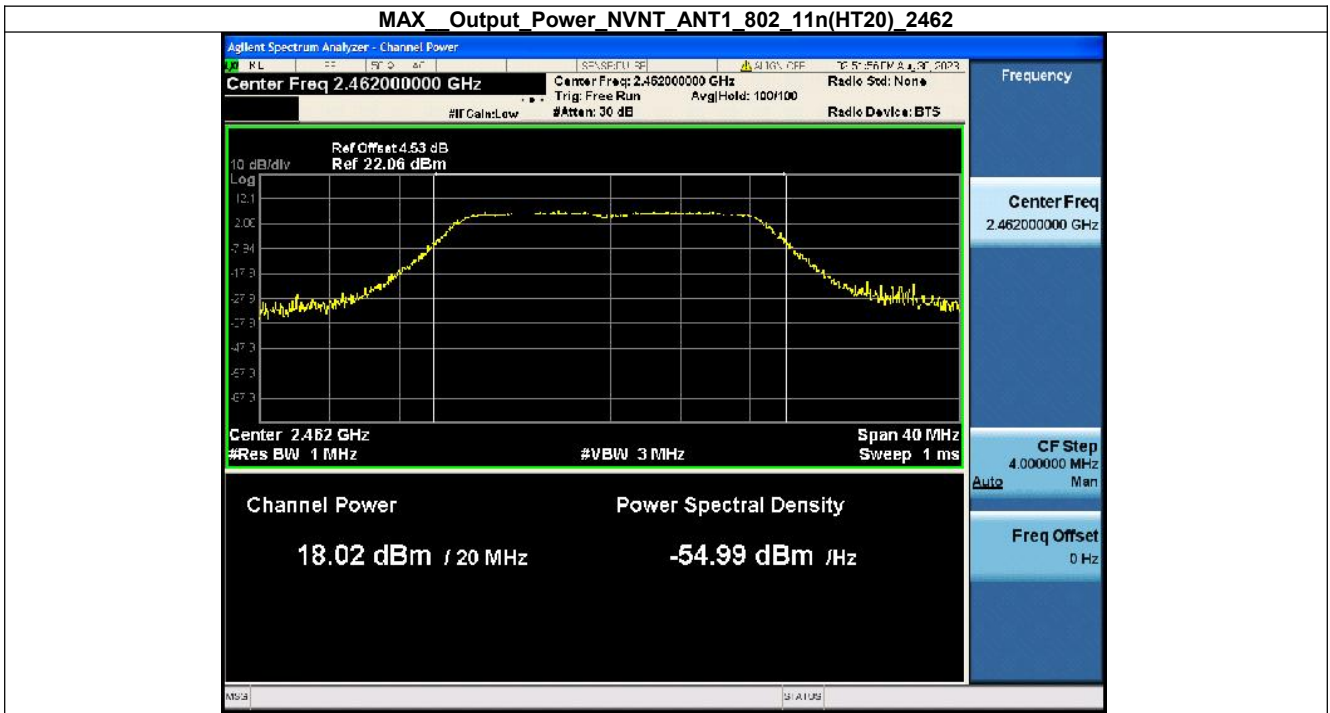
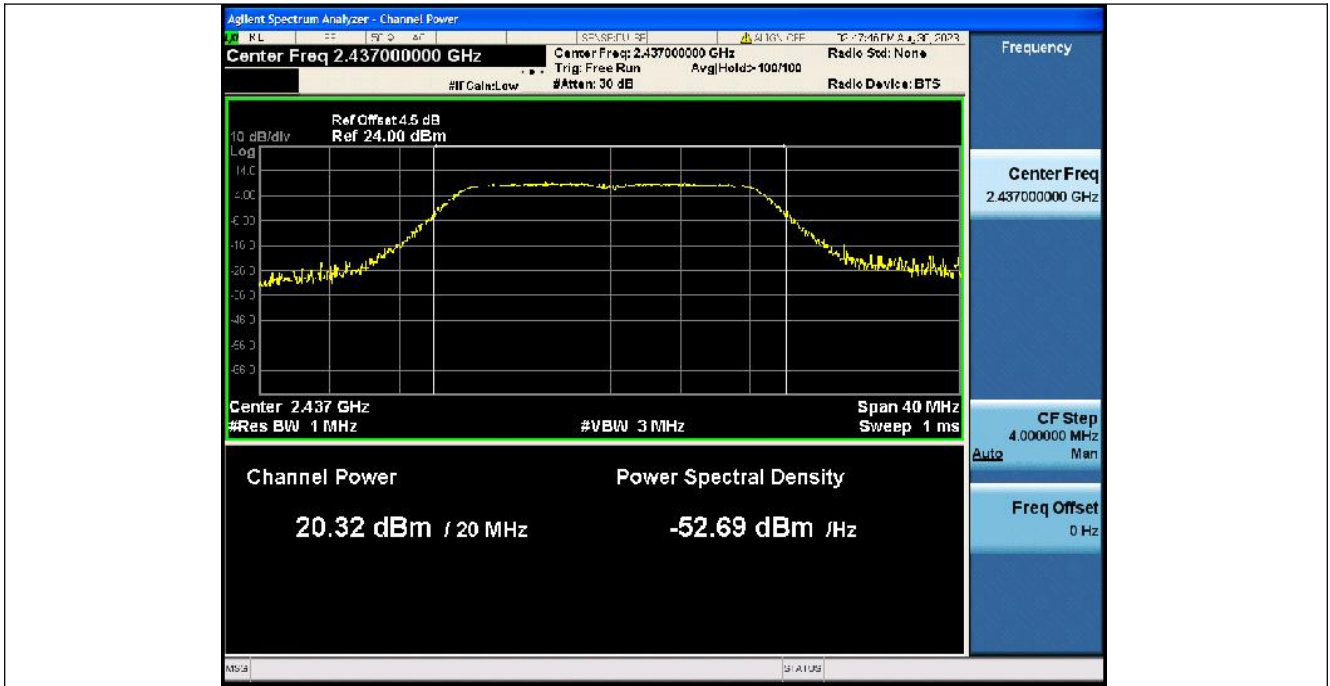
**MAX Output Power NVNT ANT1\_802\_11g\_2462**



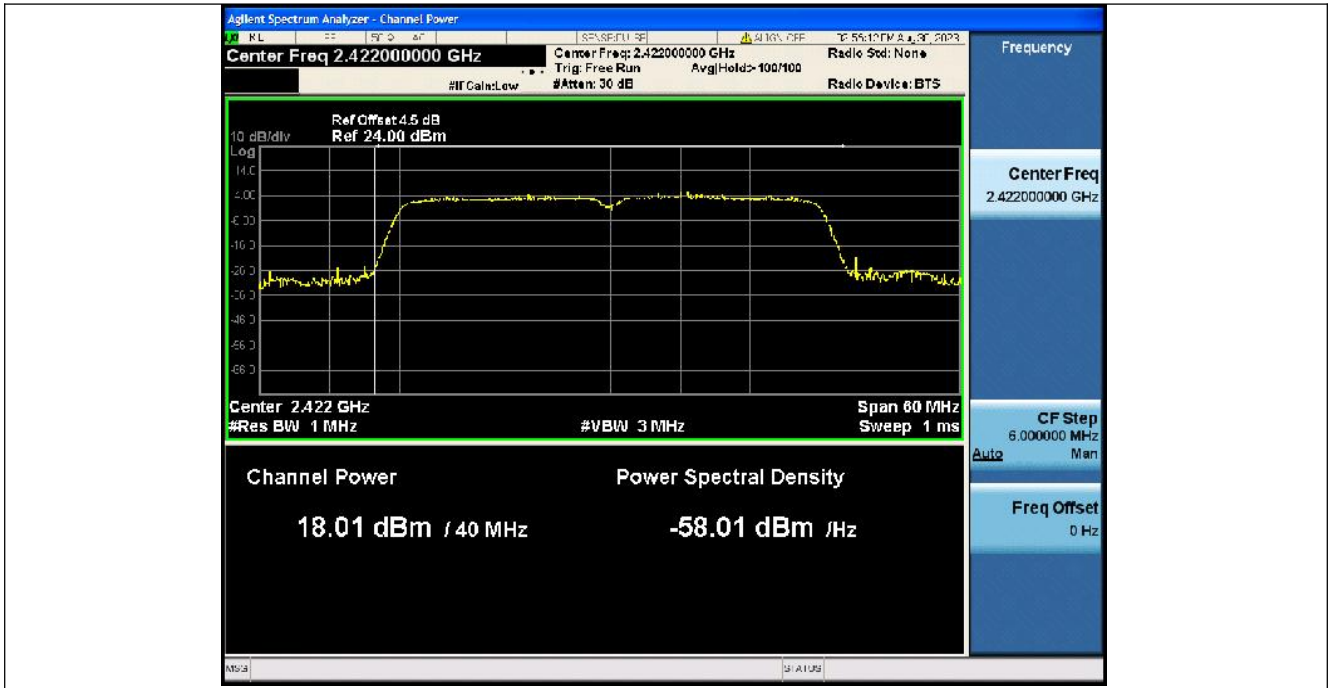
**MAX Output Power NVNT ANT1\_802\_11n(HT20)\_2412**



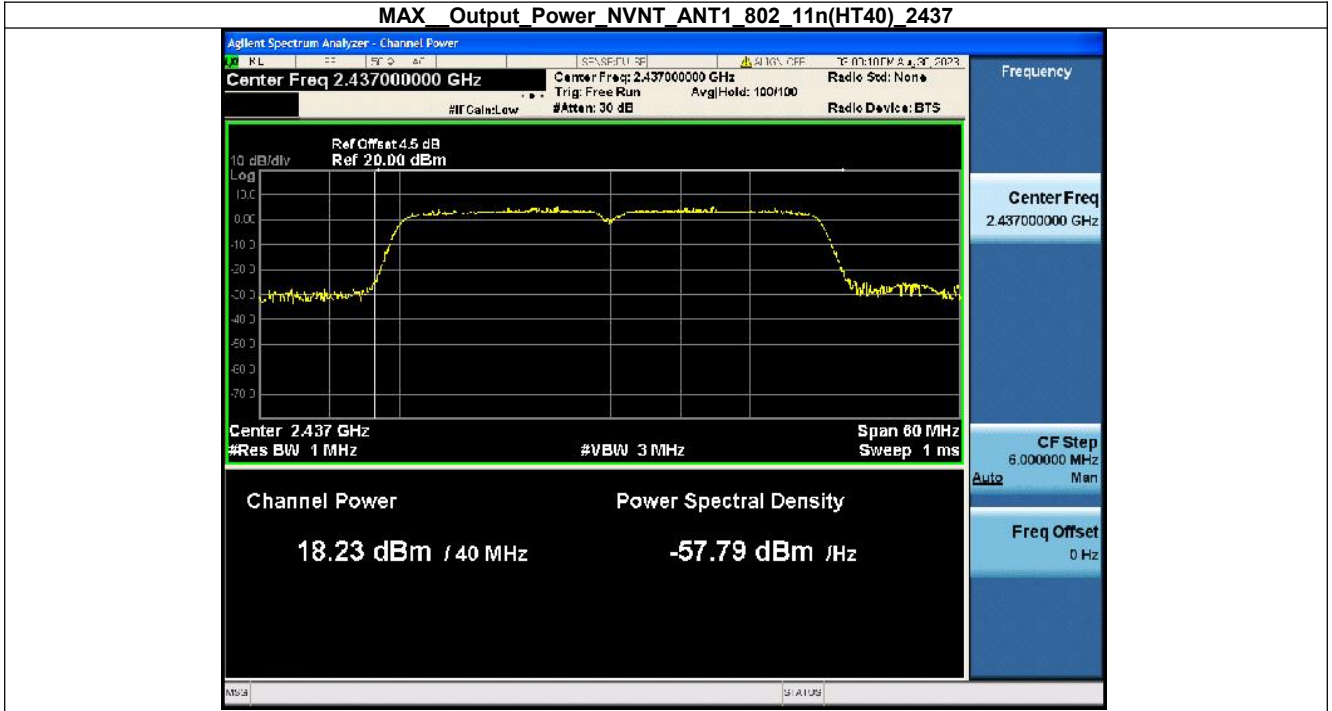
**MAX Output Power NVNT ANT1\_802\_11n(HT20)\_2437**



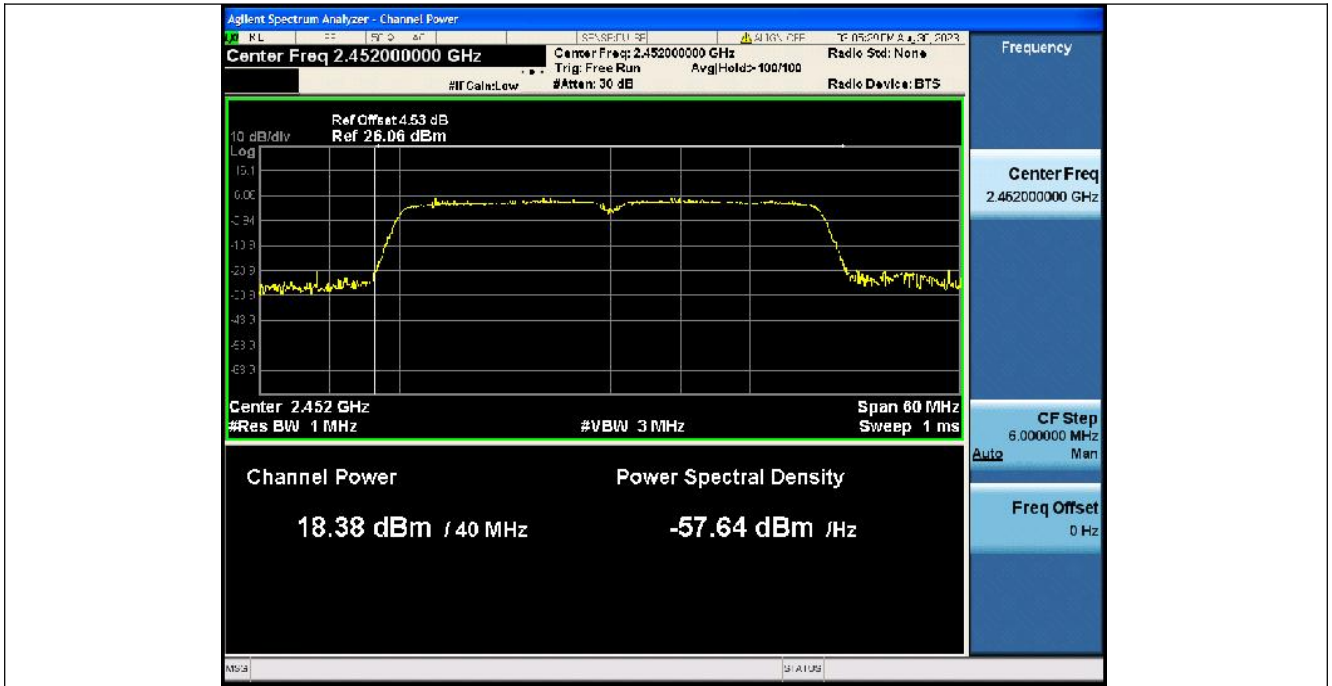
**MAX Output Power NVNT ANT1\_802\_11n(HT40)\_2422**



**MAX Output Power NVNT ANT1\_802\_11n(HT40)\_2437**



**MAX Output Power NVNT ANT1\_802\_11n(HT40)\_2452**



### 6. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	-9.10	8	Pass
NVNT	ANT1	802.11b	2437.00	-8.65	8	Pass
NVNT	ANT1	802.11b	2462.00	-8.91	8	Pass
NVNT	ANT1	802.11g	2412.00	-14.67	8	Pass
NVNT	ANT1	802.11g	2437.00	-11.58	8	Pass
NVNT	ANT1	802.11g	2462.00	-13.02	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-15.68	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-11.87	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-14.62	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-17.66	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-17.78	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-16.15	8	Pass



**Power Spectral Density NVNT\_ANT1\_802\_11b\_2437**



Power Spectral Density NVNT ANT1\_802\_11b\_2462

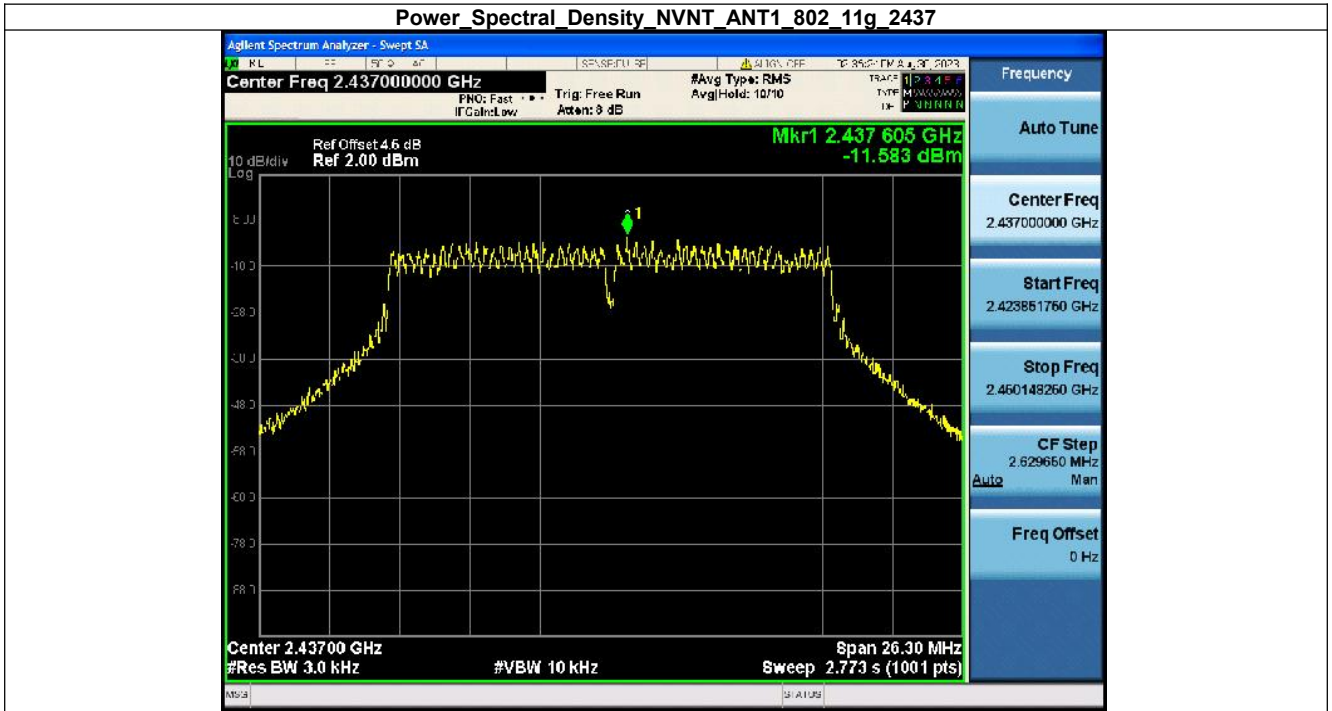


Power Spectral Density NVNT ANT1\_802\_11g\_2412





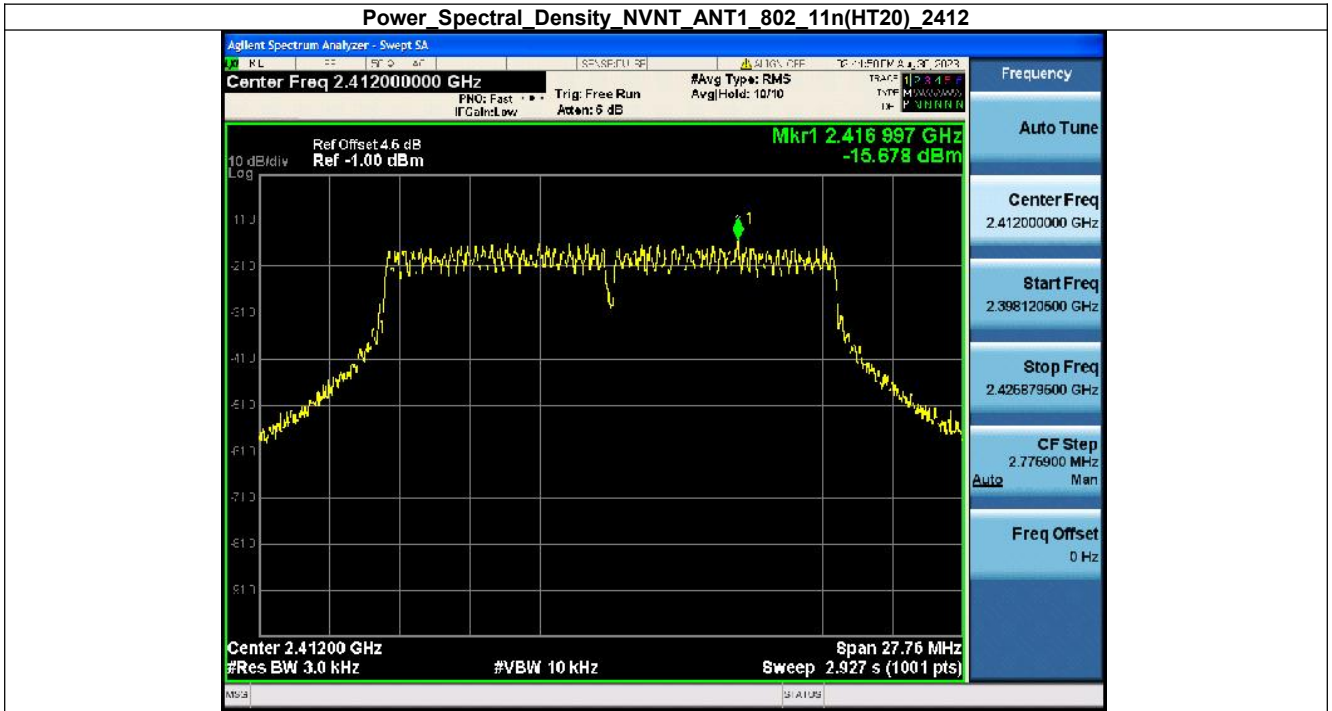
**Power Spectral Density NVNT ANT1\_802\_11g\_2437**



**Power Spectral Density NVNT ANT1\_802\_11g\_2462**



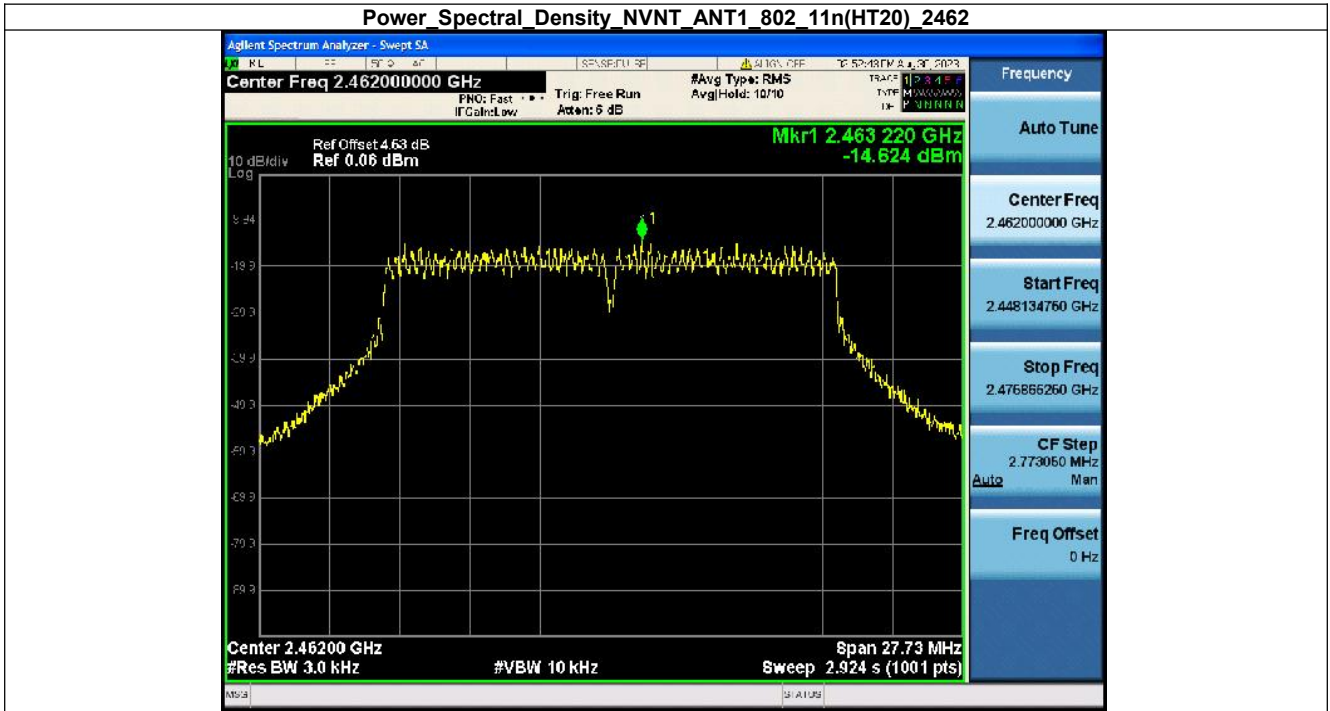
Power Spectral Density NVNT ANT1\_802\_11n(HT20)\_2412



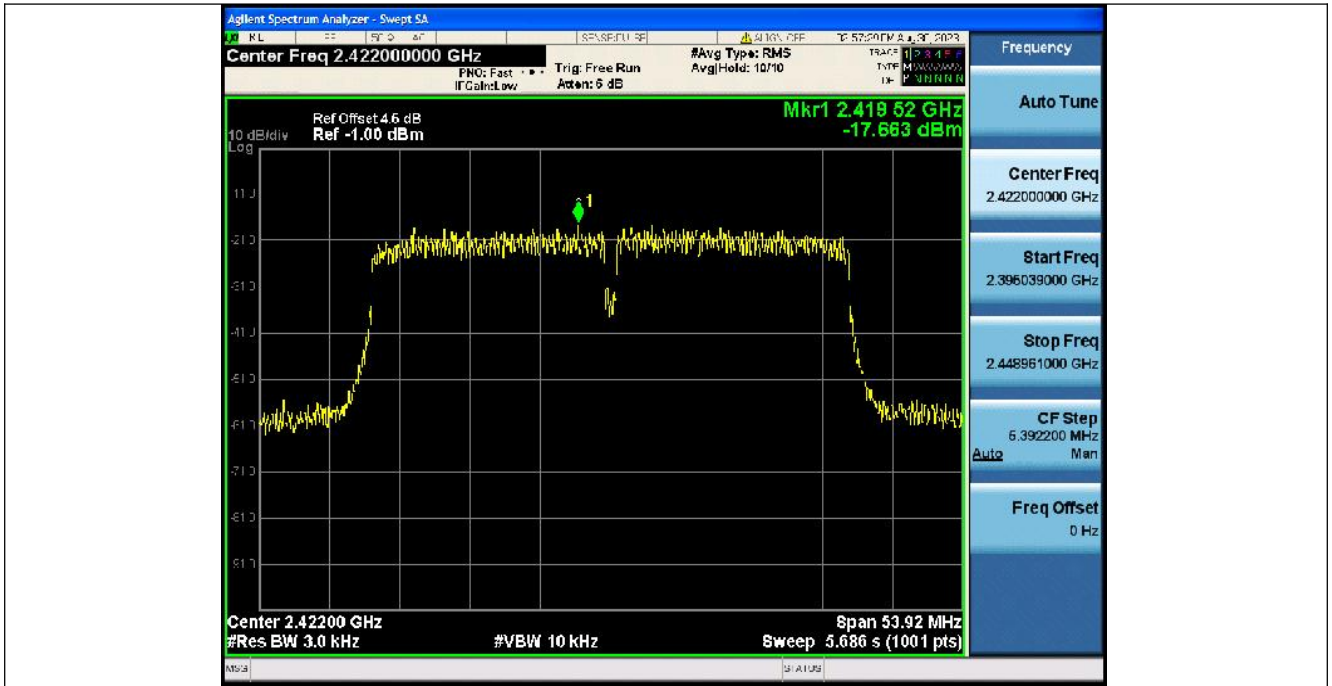
Power Spectral Density NVNT ANT1\_802\_11n(HT20)\_2437



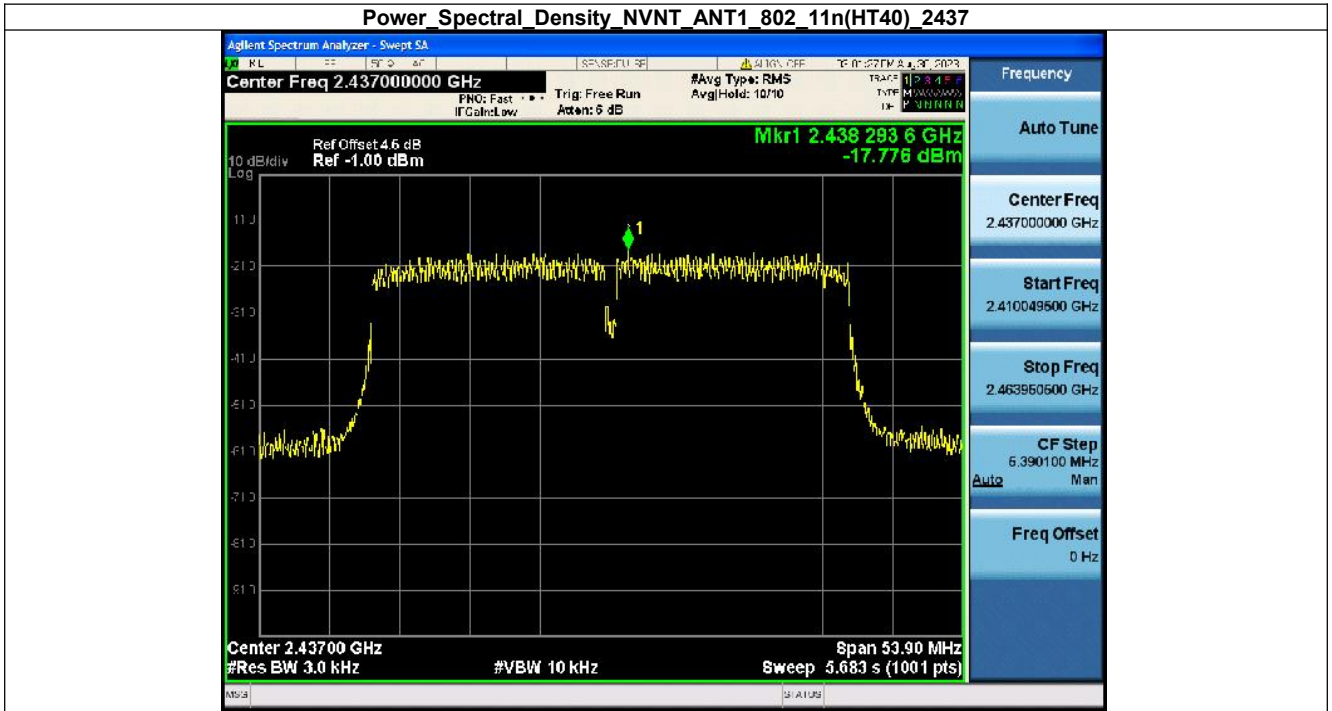
Power Spectral Density NVNT\_ANT1\_802\_11n(HT20)\_2462



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**



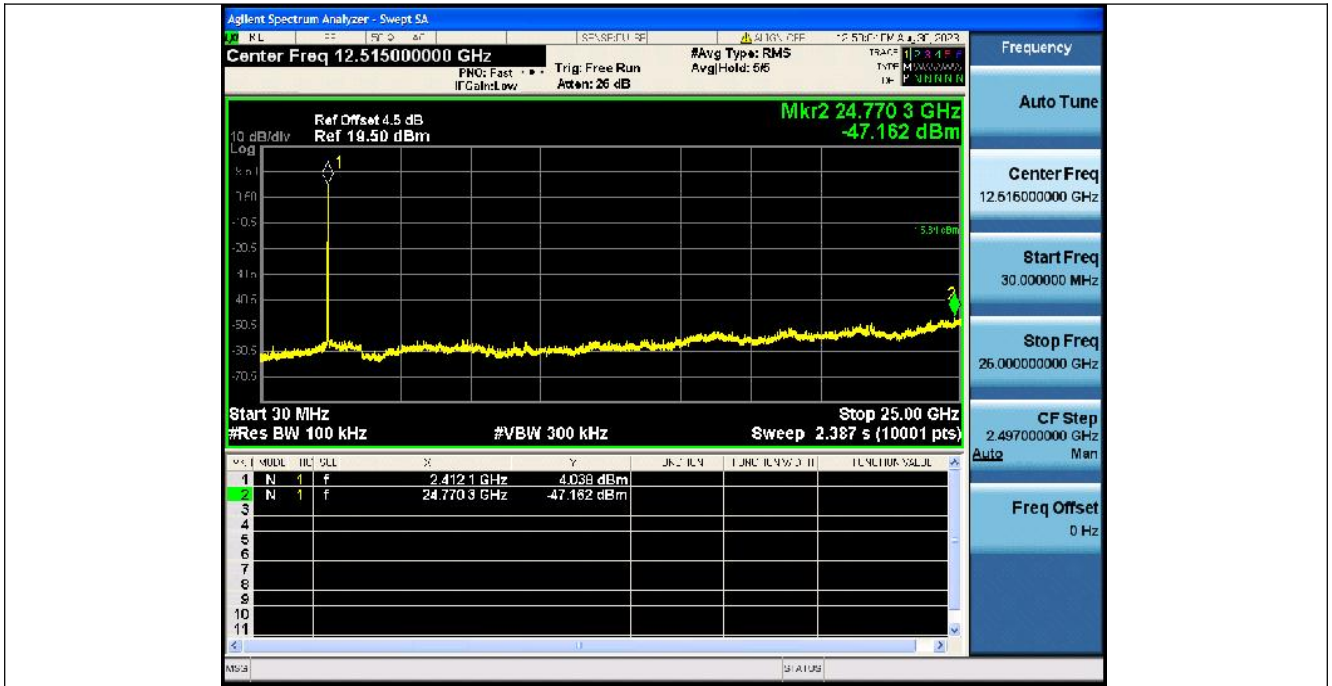
## 7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	24770.276	-47.162	-15.843	Pass
NVNT	ANT1	802.11b	2437.00	24355.774	-51.660	-15.077	Pass
NVNT	ANT1	802.11b	2462.00	24358.271	-51.903	-14.481	Pass
NVNT	ANT1	802.11g	2412.00	2239.845	-52.454	-20.678	Pass
NVNT	ANT1	802.11g	2437.00	2239.845	-53.003	-18.190	Pass
NVNT	ANT1	802.11g	2462.00	24875.150	-51.657	-19.561	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24820.216	-54.376	-21.014	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	2239.845	-52.982	-18.067	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2239.845	-55.536	-20.517	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2239.845	-55.161	-23.460	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	2239.845	-55.150	-23.305	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2239.845	-55.870	-23.038	Pass

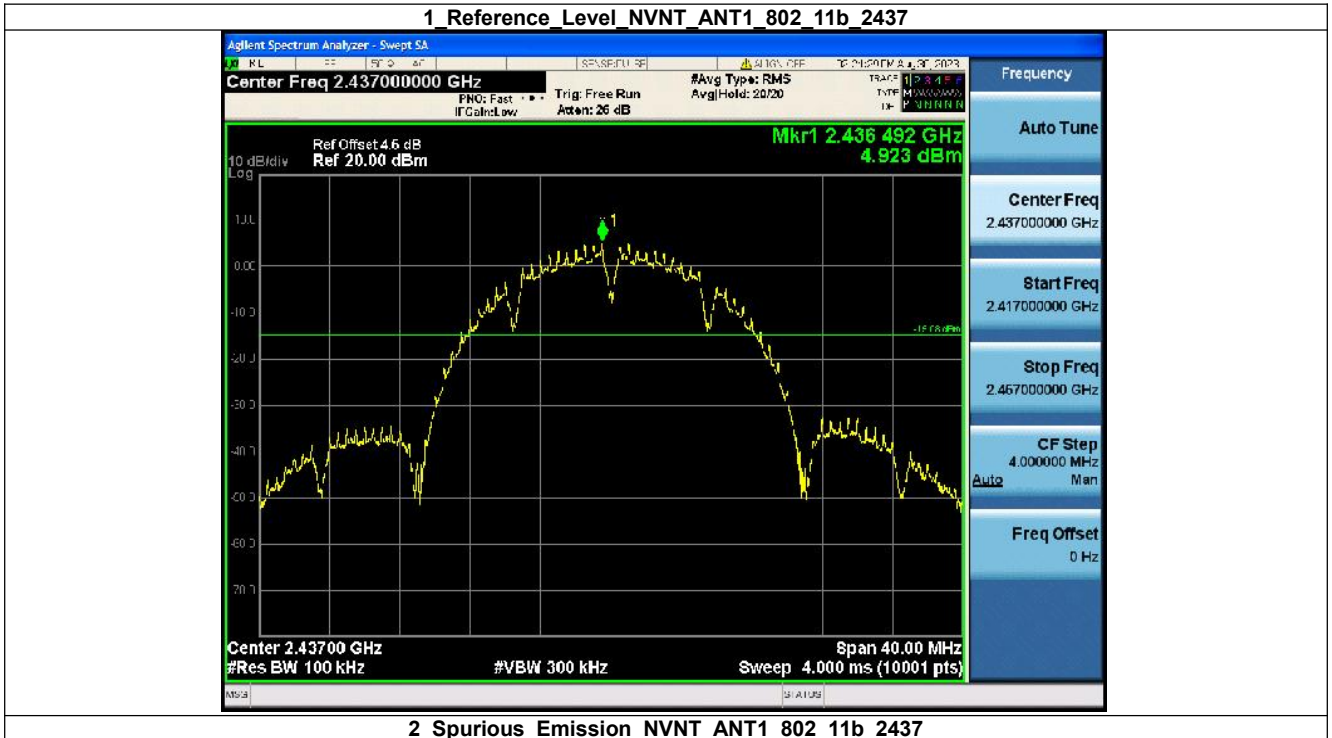
1 Reference Level NVNT\_ANT1\_802\_11b\_2412



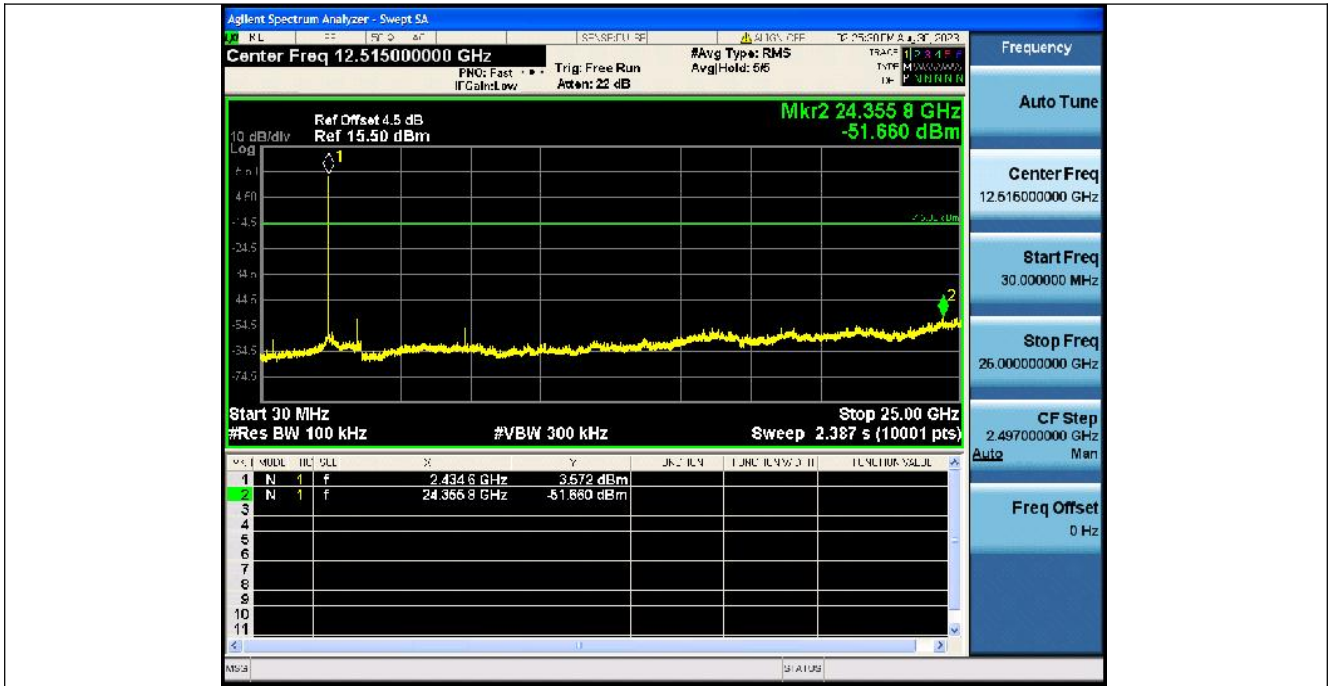
2 Spurious Emission NVNT\_ANT1\_802\_11b\_2412



1 Reference Level NVNT\_ANT1\_802\_11b\_2437



2 Spurious Emission NVNT\_ANT1\_802\_11b\_2437



1 Reference Level NVNT\_ANT1\_802\_11b\_2462

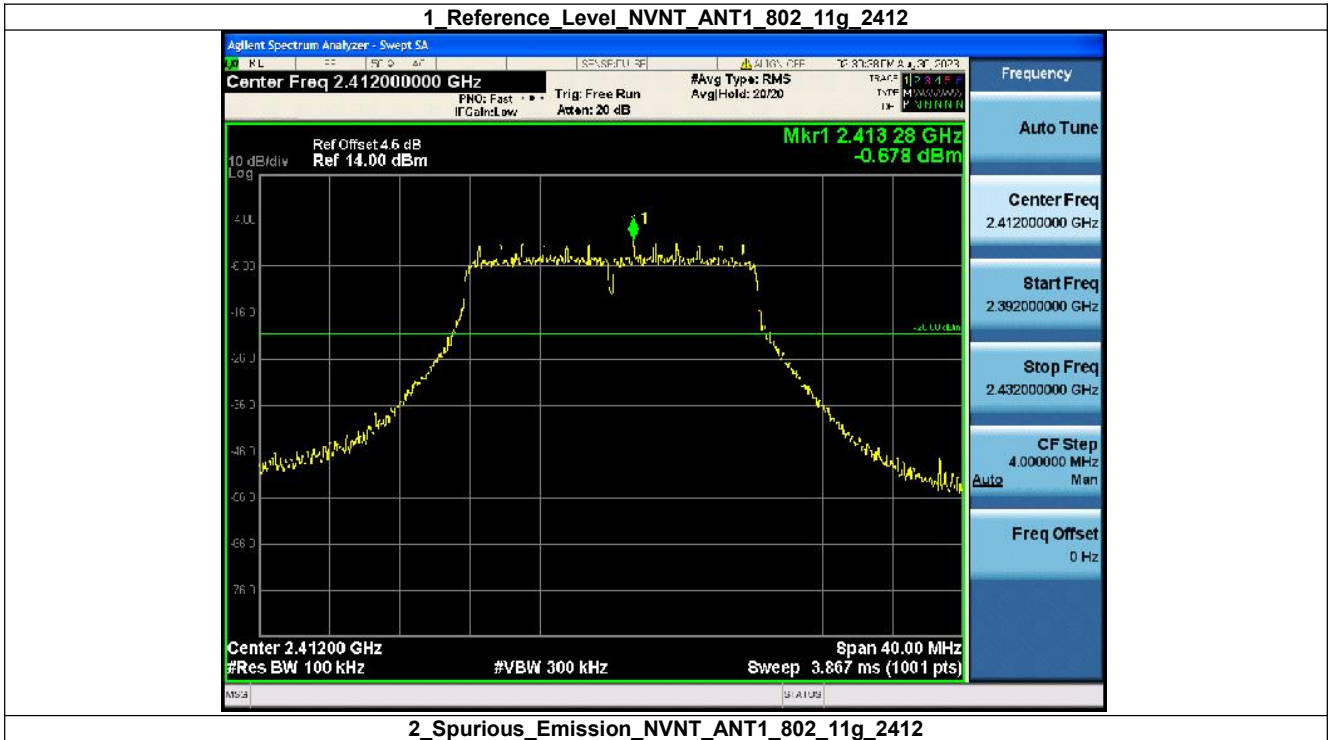


2 Spurious\_Emission\_NVNT\_ANT1\_802\_11b\_2462

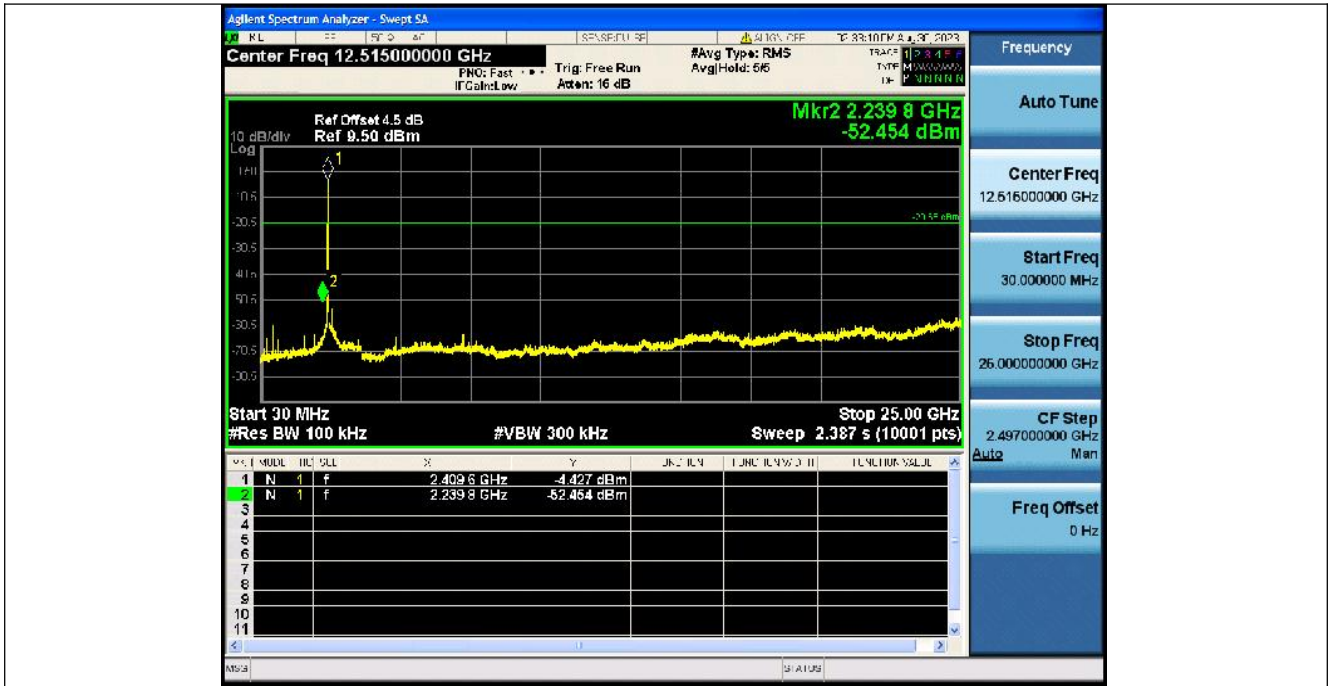




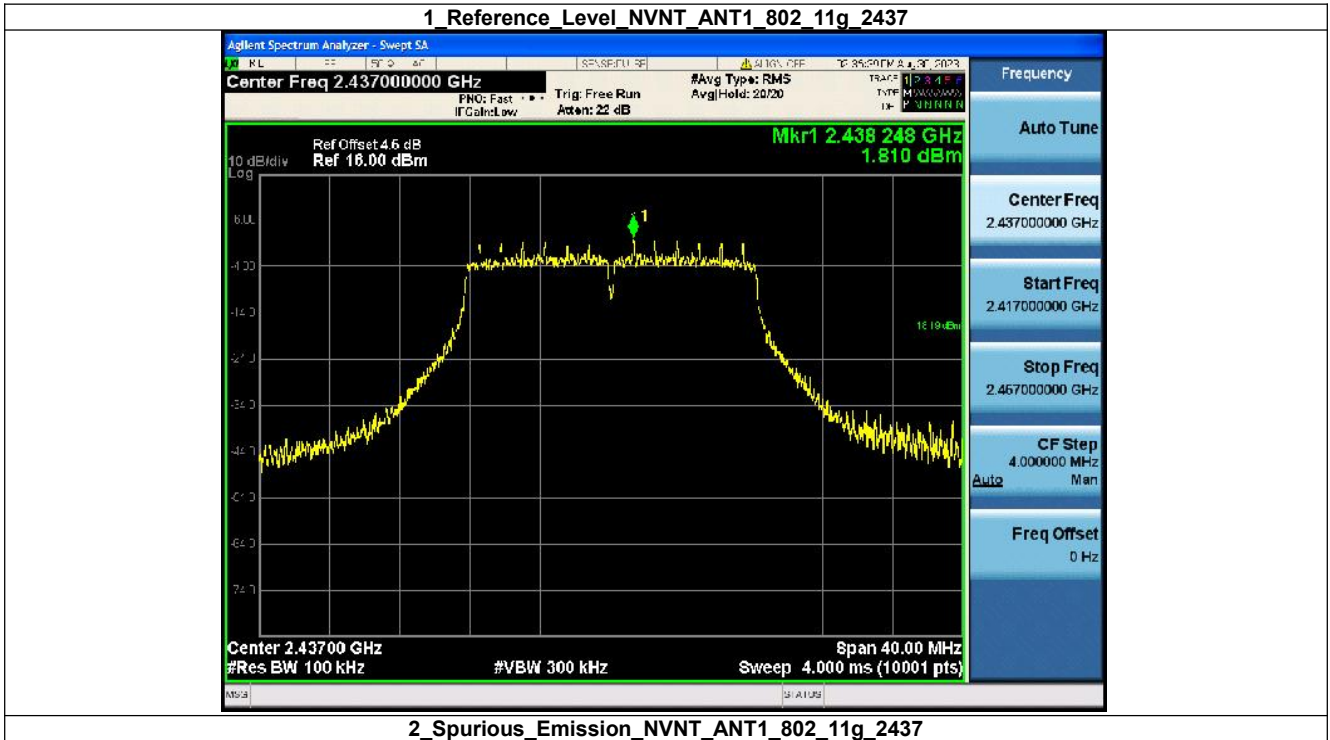
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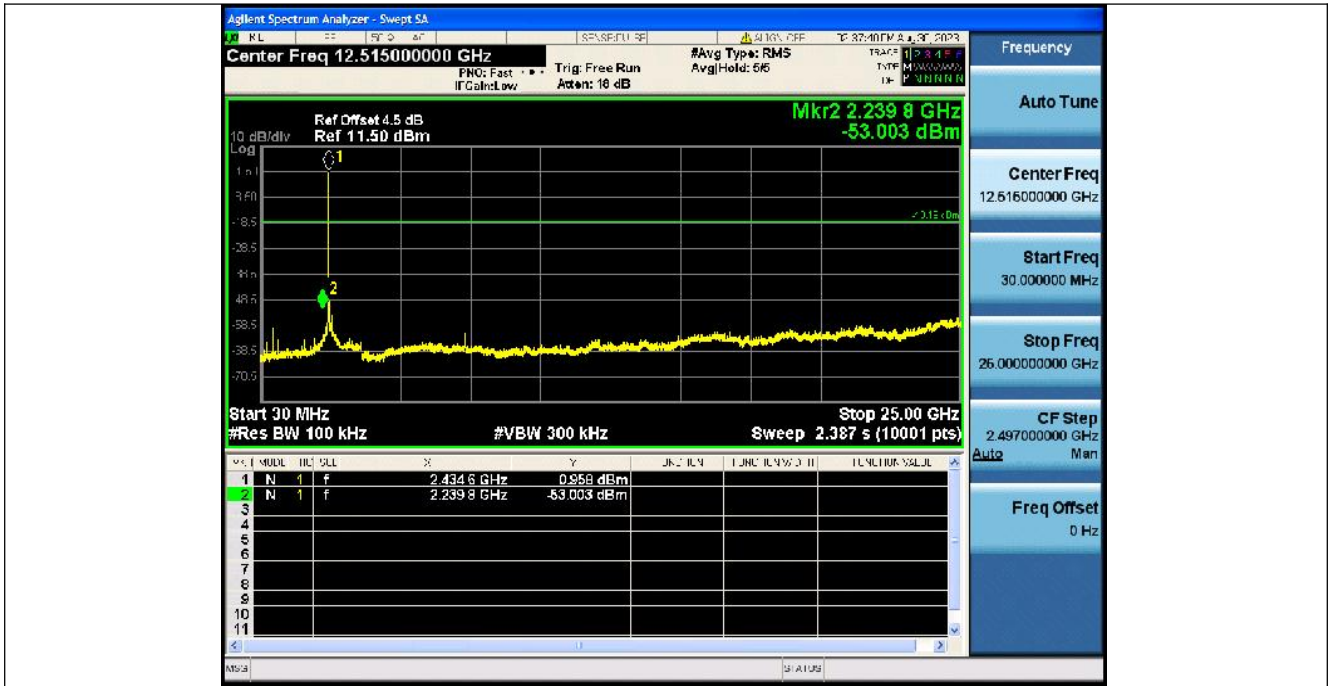
2 Spurious Emission NVNT\_ANT1\_802\_11g\_2412



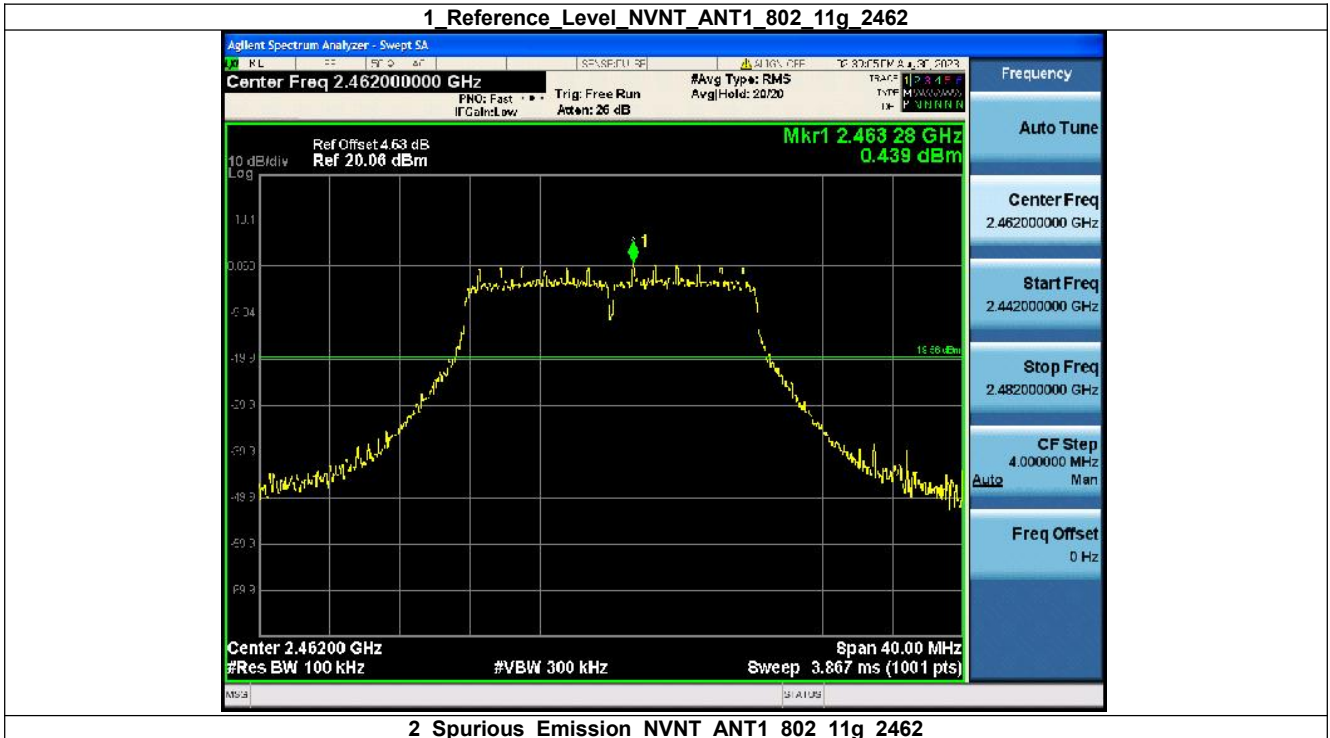
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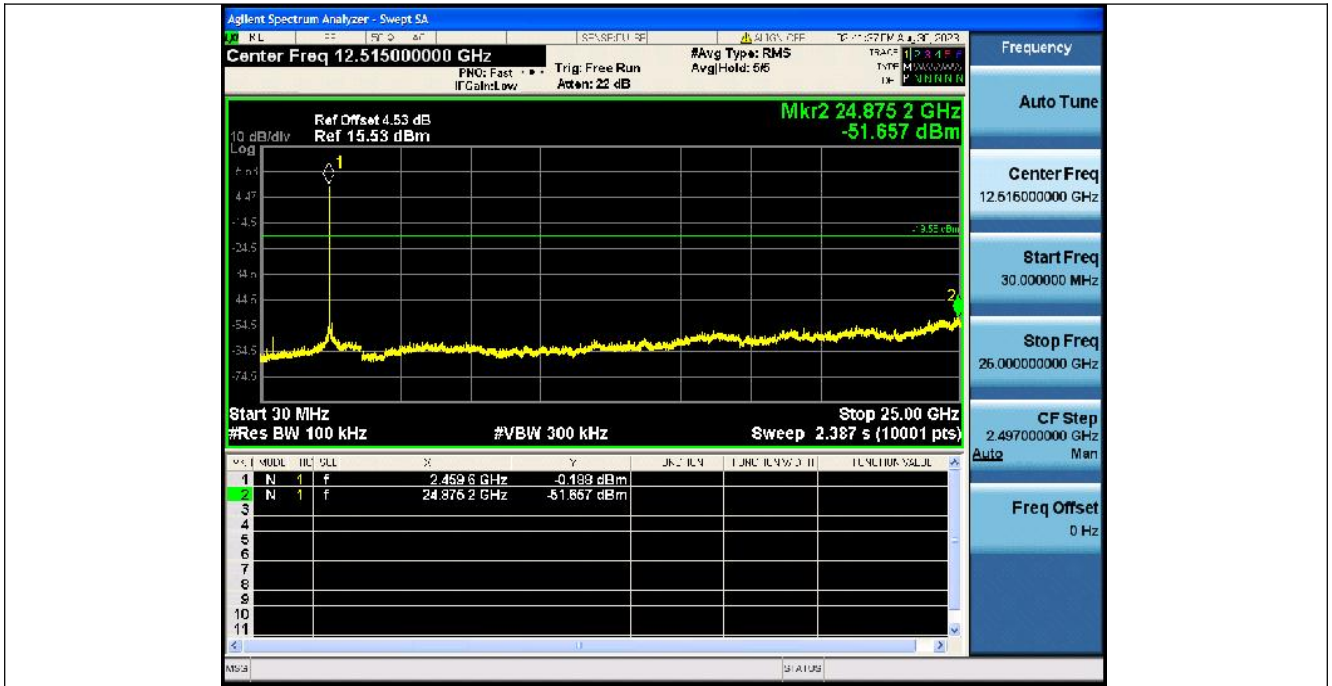
2 Spurious\_Emission\_NVNT\_ANT1\_802\_11g\_2437



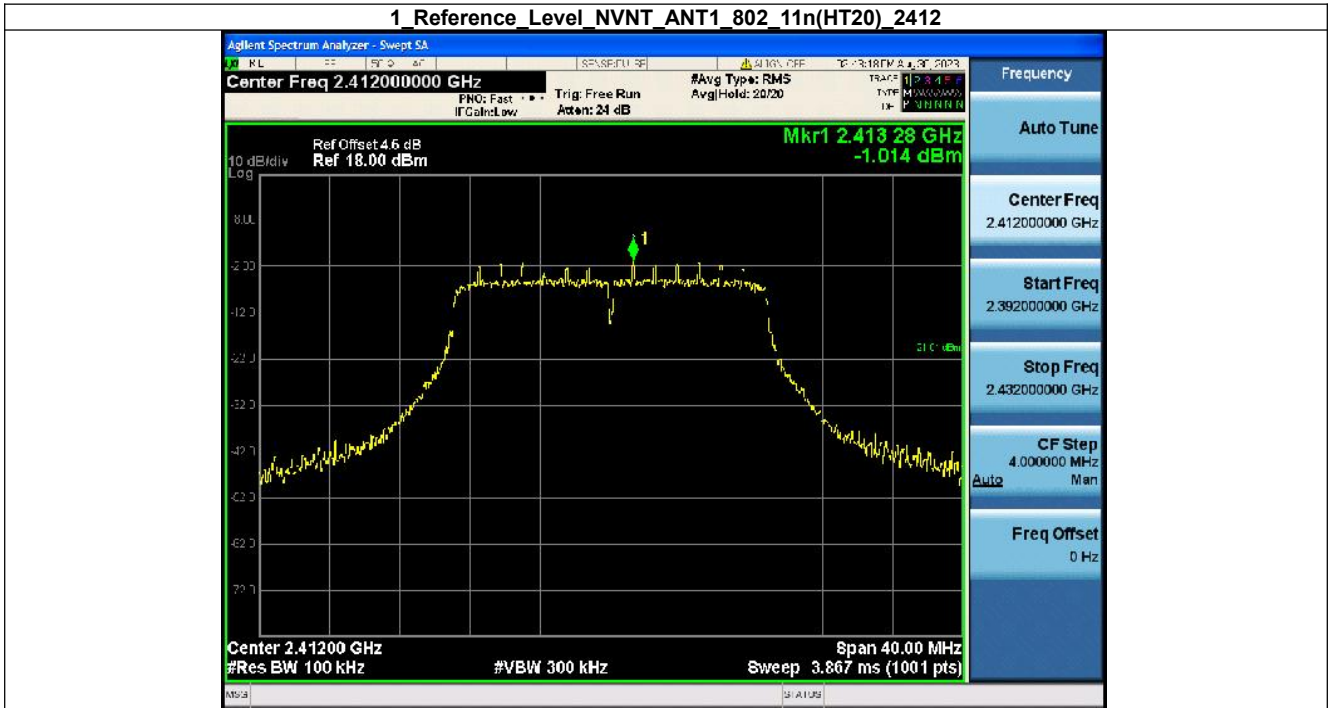
1 Reference Level NVNT\_ANT1\_802\_11g\_2462



2 Spurious Emission NVNT\_ANT1\_802\_11g\_2462



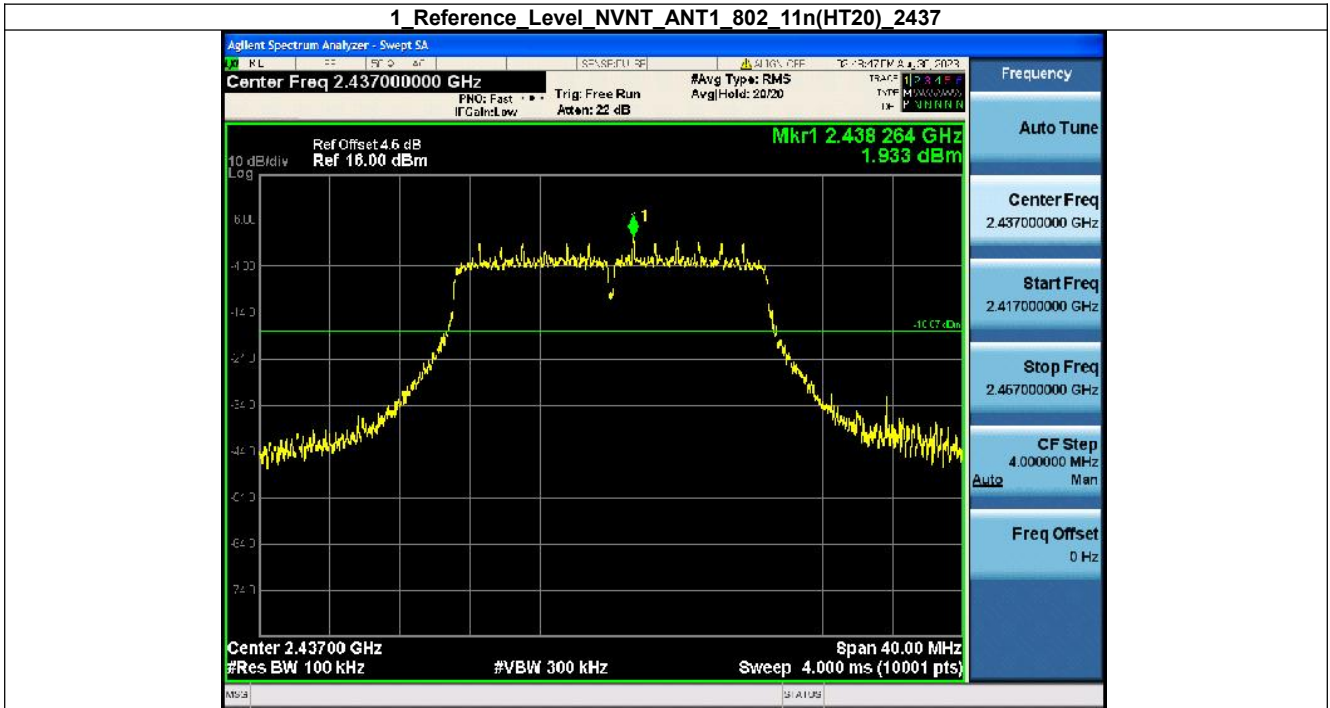
1 Reference Level NVNT\_ANT1\_802\_11n(HT20)\_2412



2 Spurious Emission NVNT\_ANT1\_802\_11n(HT20)\_2412



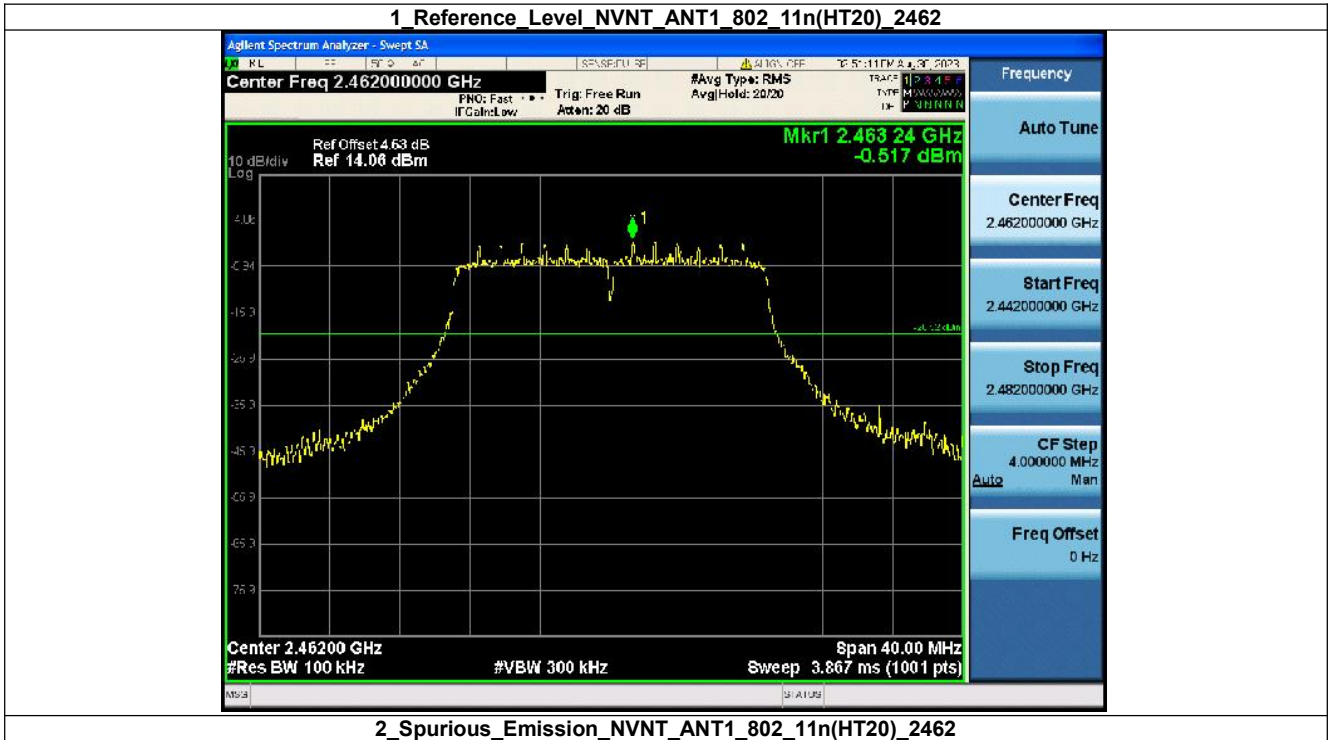
1 Reference Level NVNT\_ANT1\_802\_11n(HT20)\_2437



2 Spurious Emission\_NVNT\_ANT1\_802\_11n(HT20)\_2437



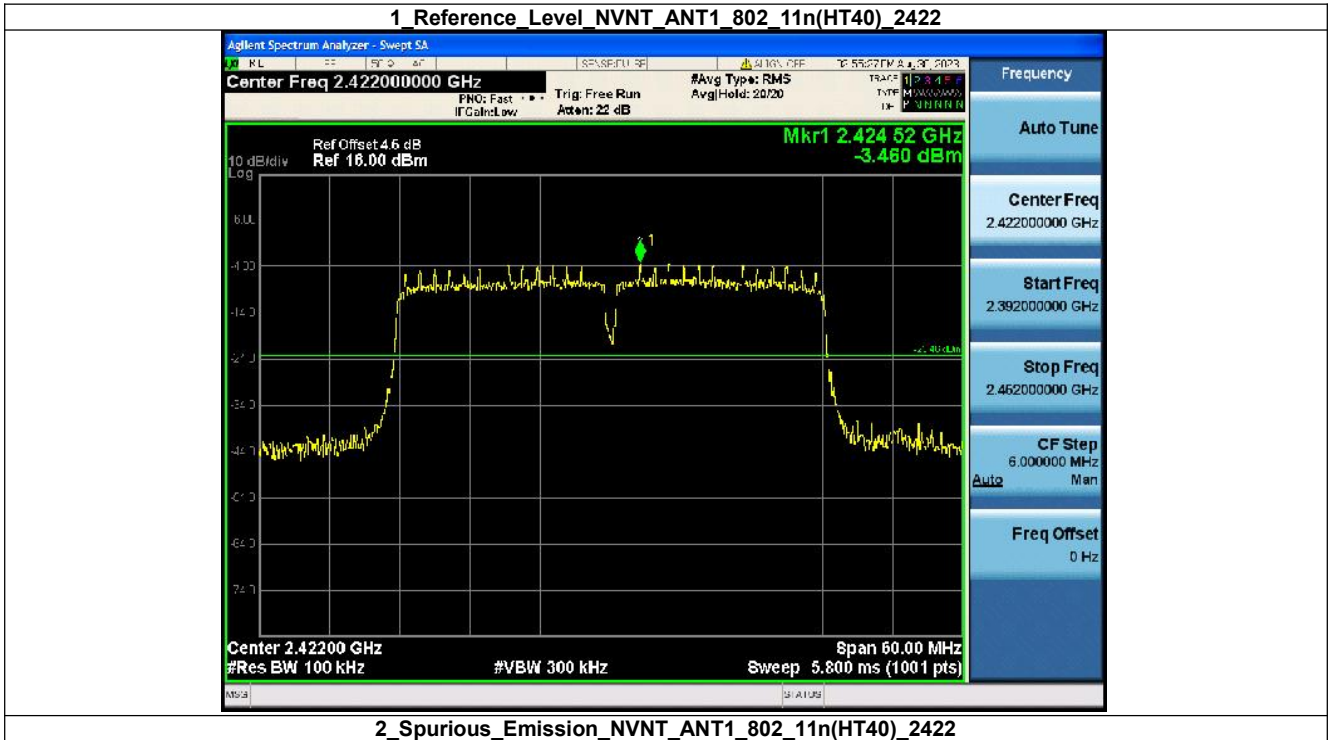
1 Reference Level NVNT\_ANT1\_802\_11n(HT20)\_2462



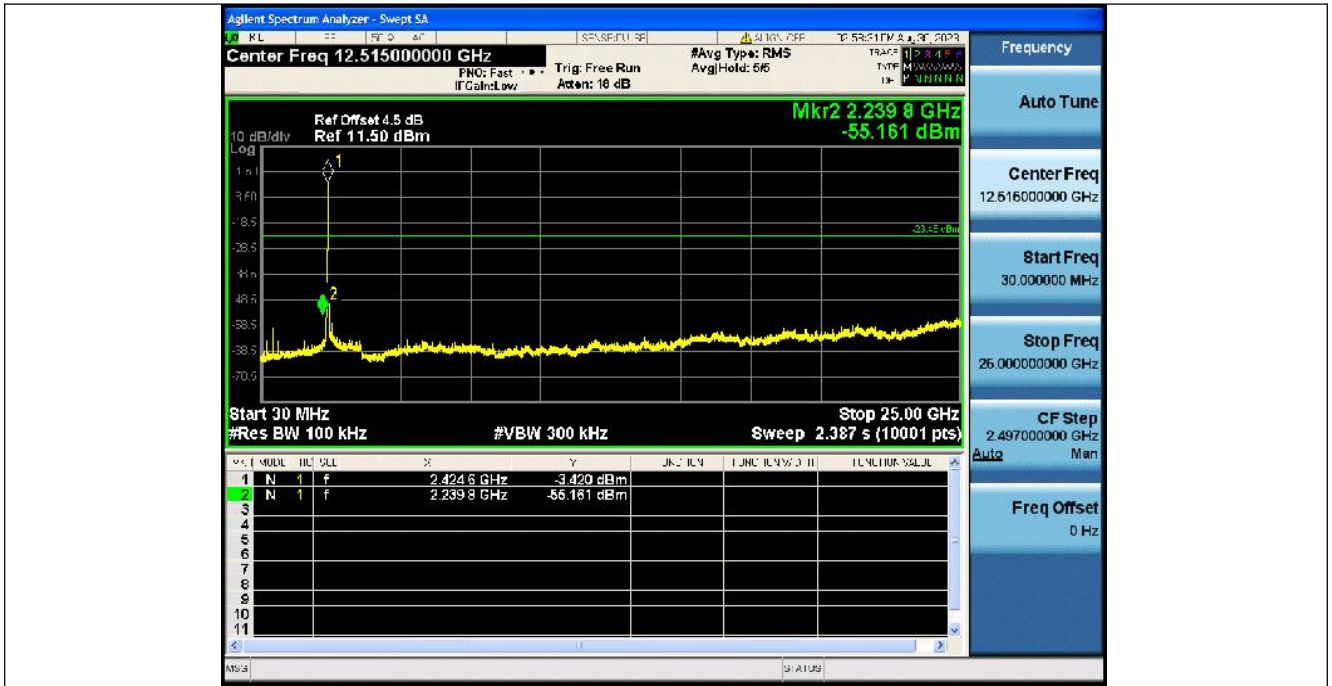
2 Spurious\_Emission\_NVNT\_ANT1\_802\_11n(HT20)\_2462



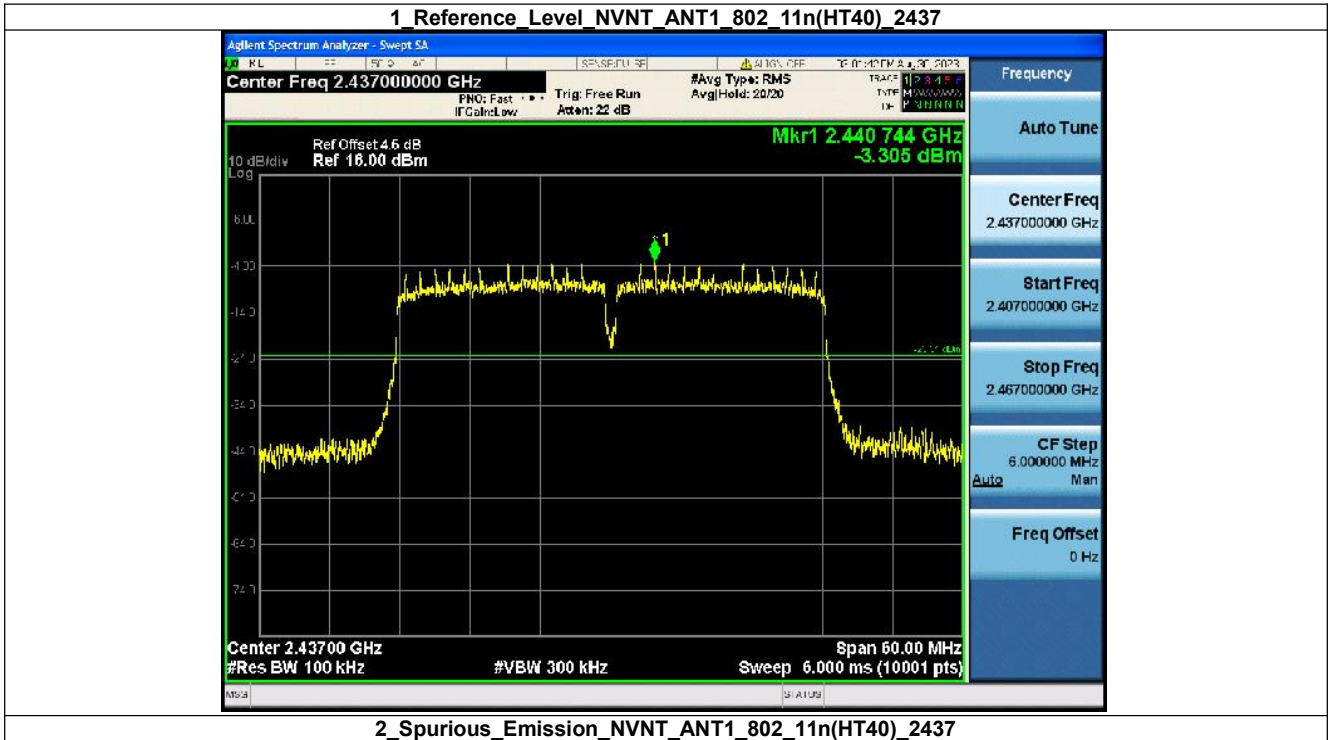
1 Reference Level NVNT\_ANT1\_802\_11n(HT40)\_2422



2 Spurious Emission NVNT\_ANT1\_802\_11n(HT40)\_2422

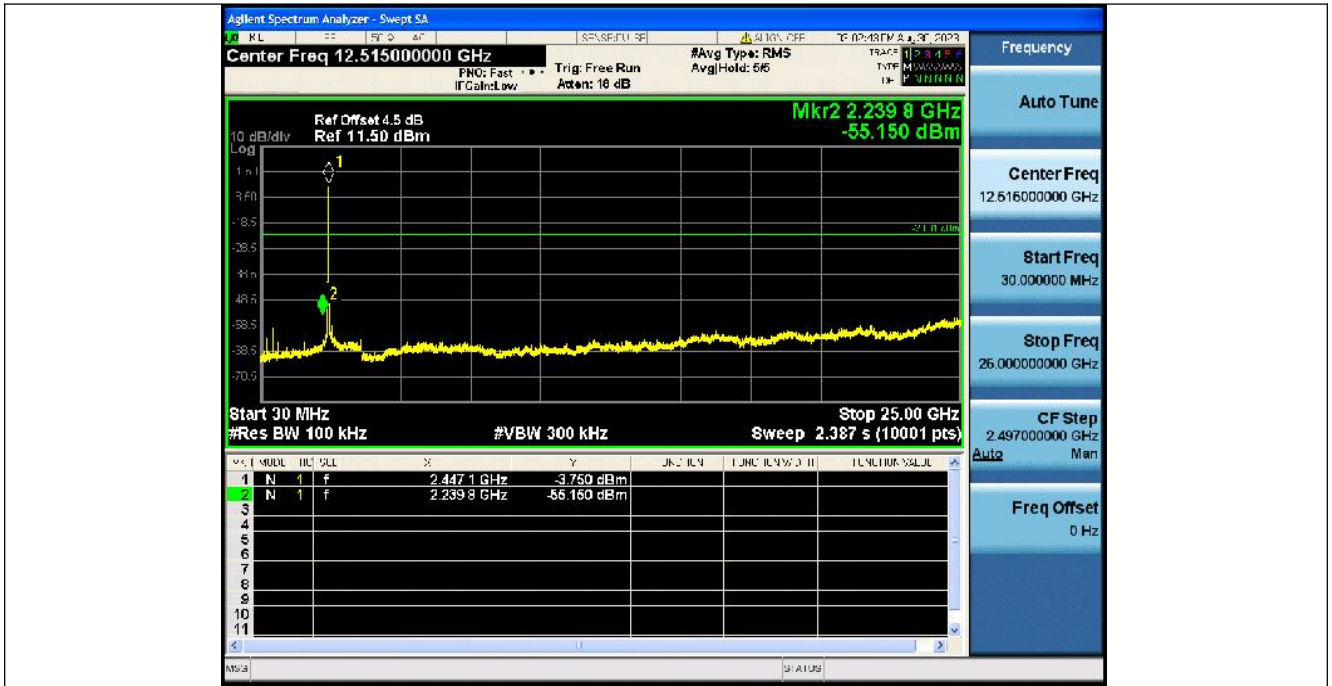


1 Reference Level NVNT\_ANT1\_802\_11n(HT40)\_2437

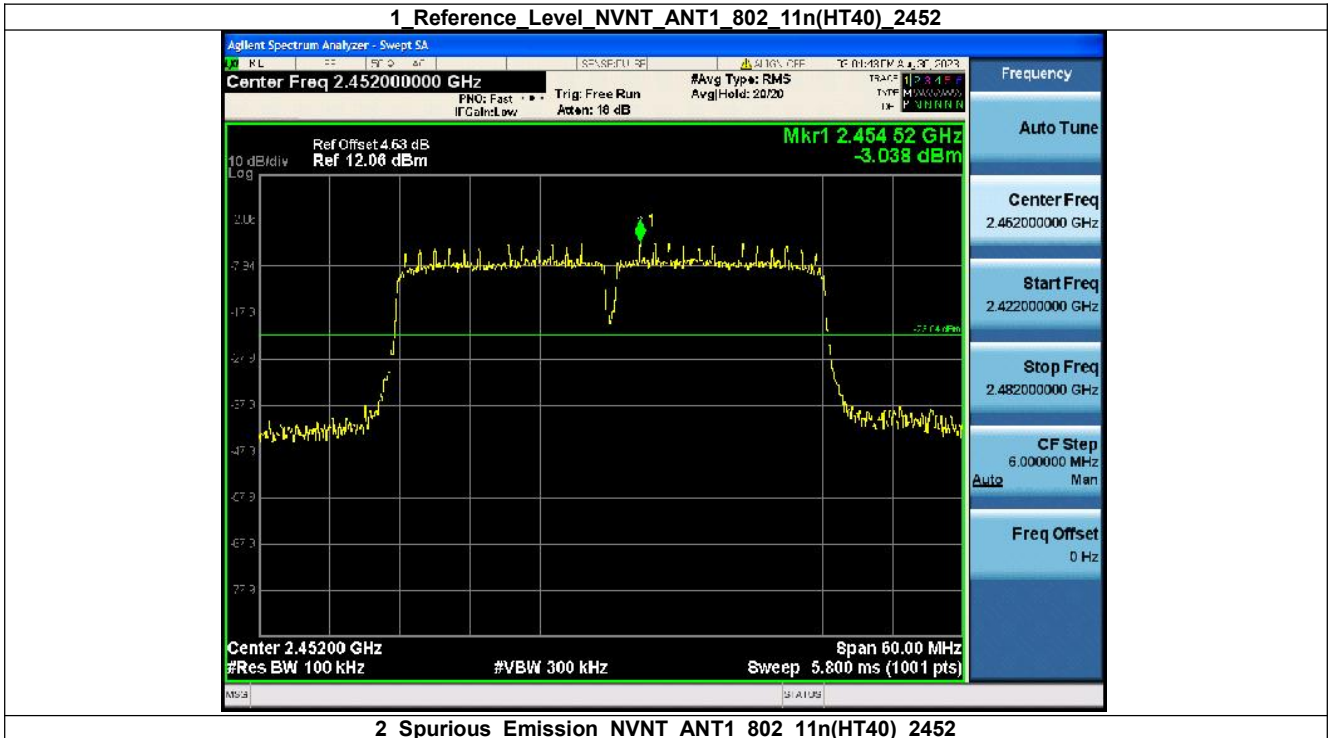


2 Spurious\_Emission\_NVNT\_ANT1\_802\_11n(HT40)\_2437





1 Reference Level NVNT\_ANT1\_802\_11n(HT40)\_2452



2 Spurious\_Emission\_NVNT\_ANT1\_802\_11n(HT40)\_2452

