

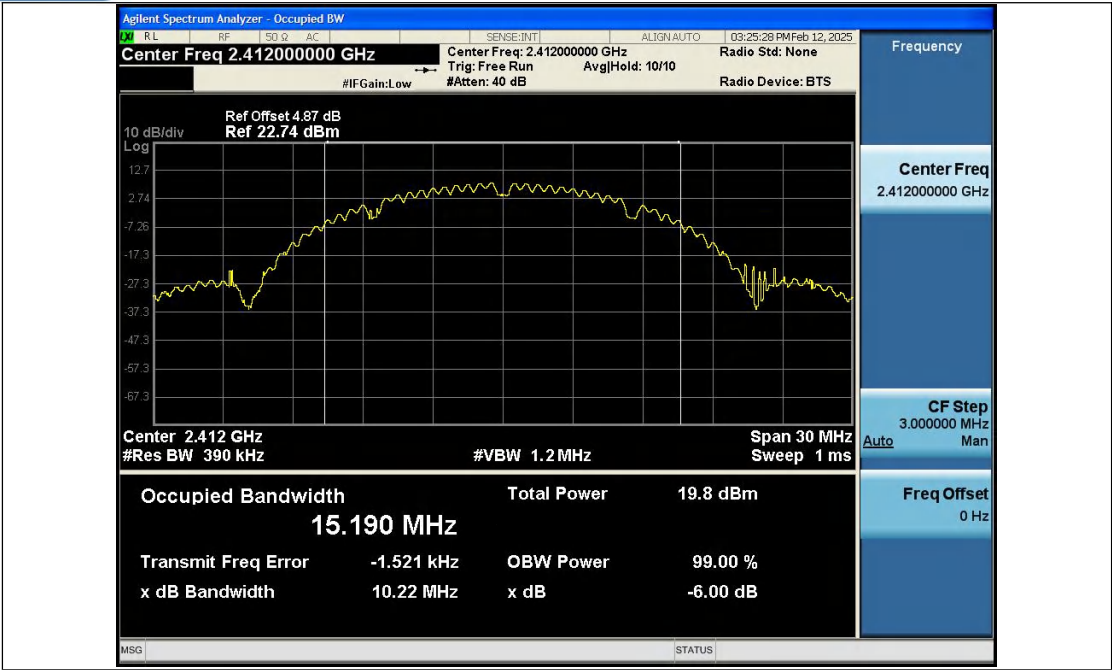
Appendix Test Data

Report No.:	1812C40121312501	Test Sample No.:	1-2-2
Start Test Date:	2024.12.13	Finish Test Date:	2025.2.12
Test Engineer:	<i>Foker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.5℃	Relative Humidity:	47%
Pressure:	101kPa		

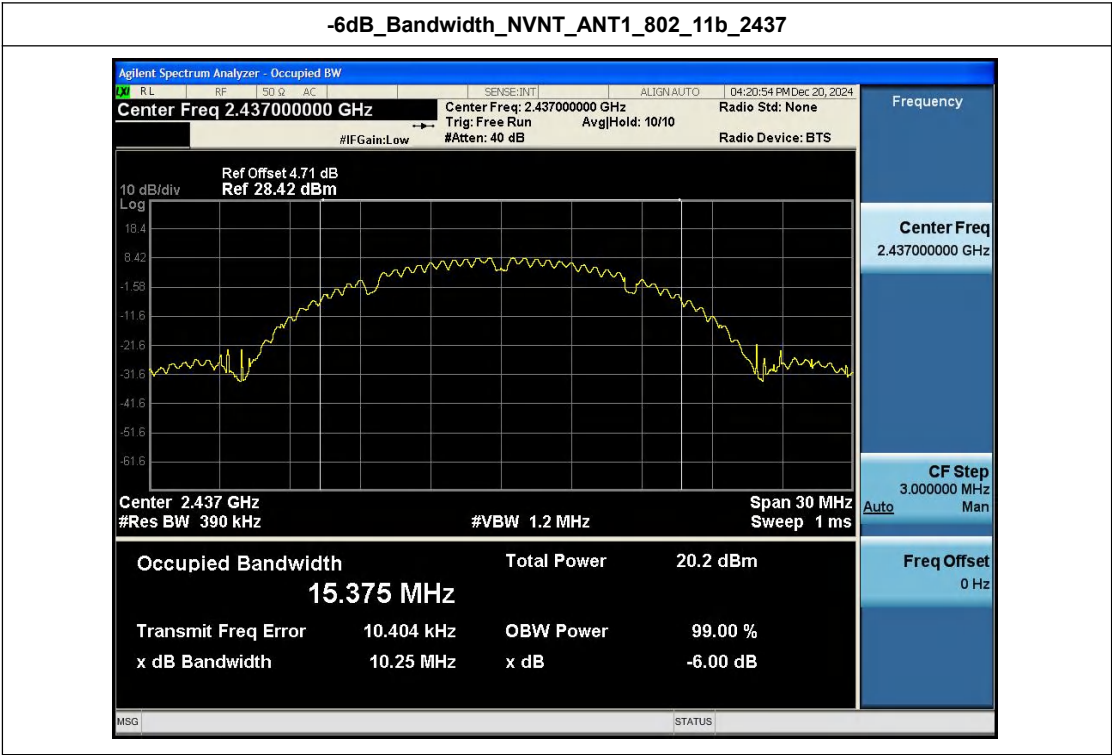
Appendix A: -6dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	10.22	500	Pass
NVNT	ANT1	802.11b	2437.00	10.25	500	Pass
NVNT	ANT1	802.11b	2462.00	10.24	500	Pass
NVNT	ANT1	802.11g	2412.00	16.69	500	Pass
NVNT	ANT1	802.11g	2437.00	16.63	500	Pass
NVNT	ANT1	802.11g	2462.00	16.63	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.83	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.78	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.76	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	35.85	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	36.07	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	36.07	500	Pass

-6dB_Bandwidth_NVNT_ANT1_802_11b_2412



-6dB_Bandwidth_NVNT_ANT1_802_11b_2437



-6dB_Bandwidth_NVNT_ANT1_802_11b_2462



-6dB_Bandwidth_NVNT_ANT1_802_11g_2412

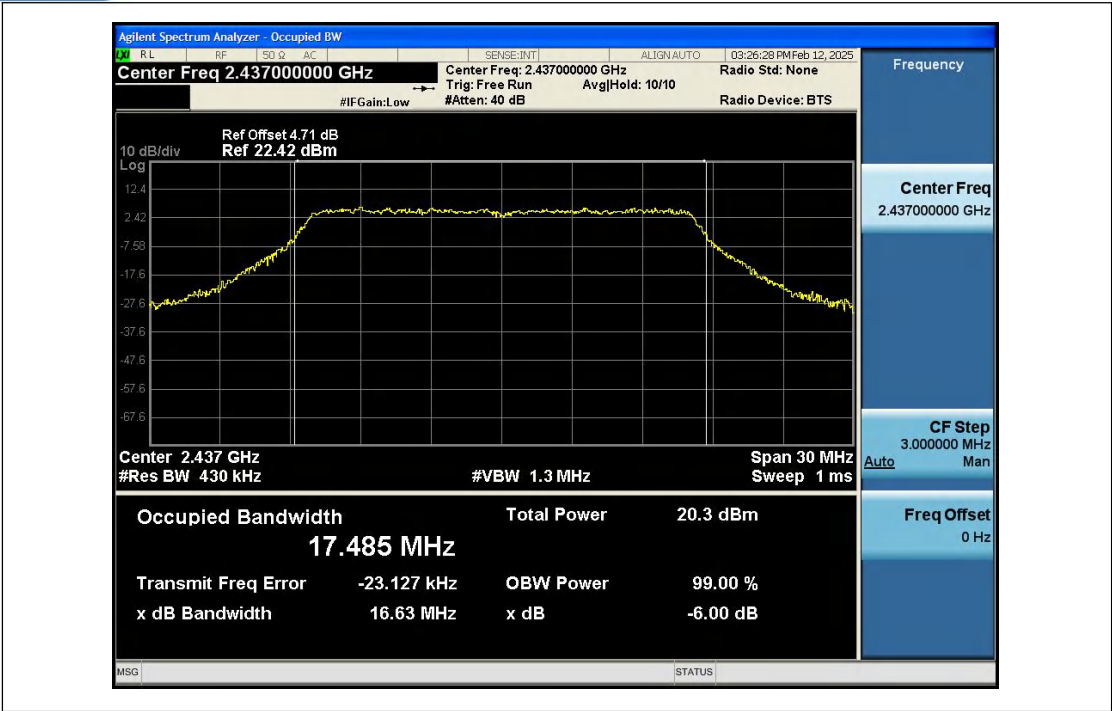


-6dB_Bandwidth_NVNT_ANT1_802_11g_2437

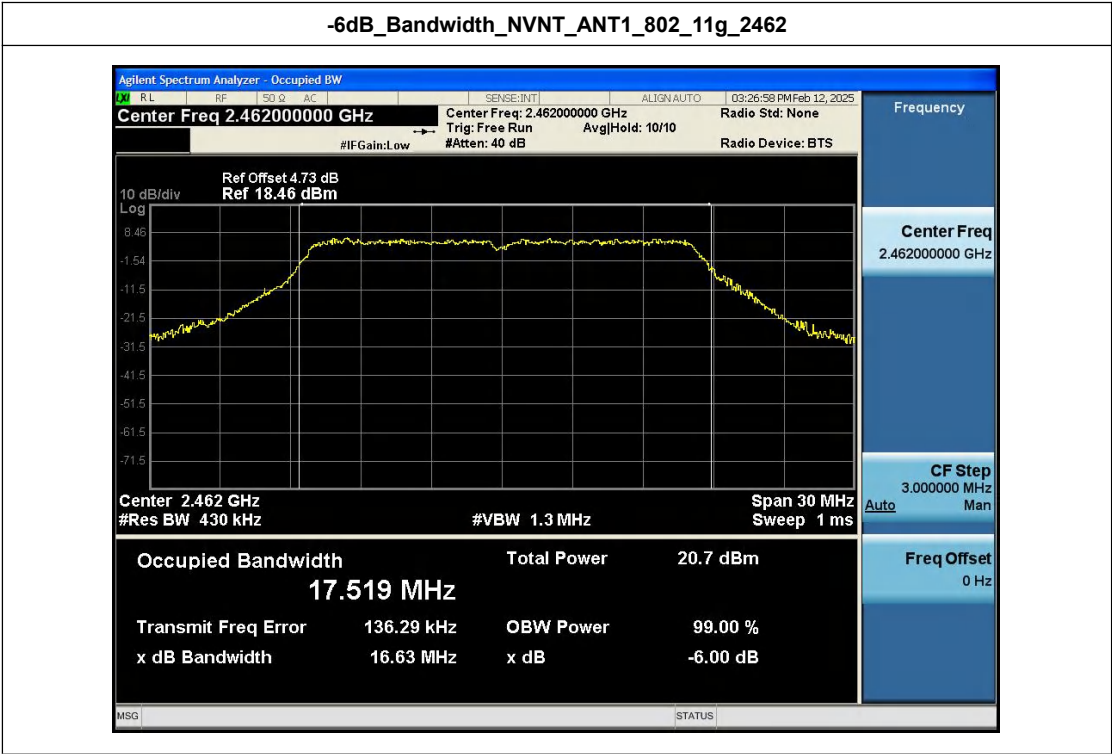
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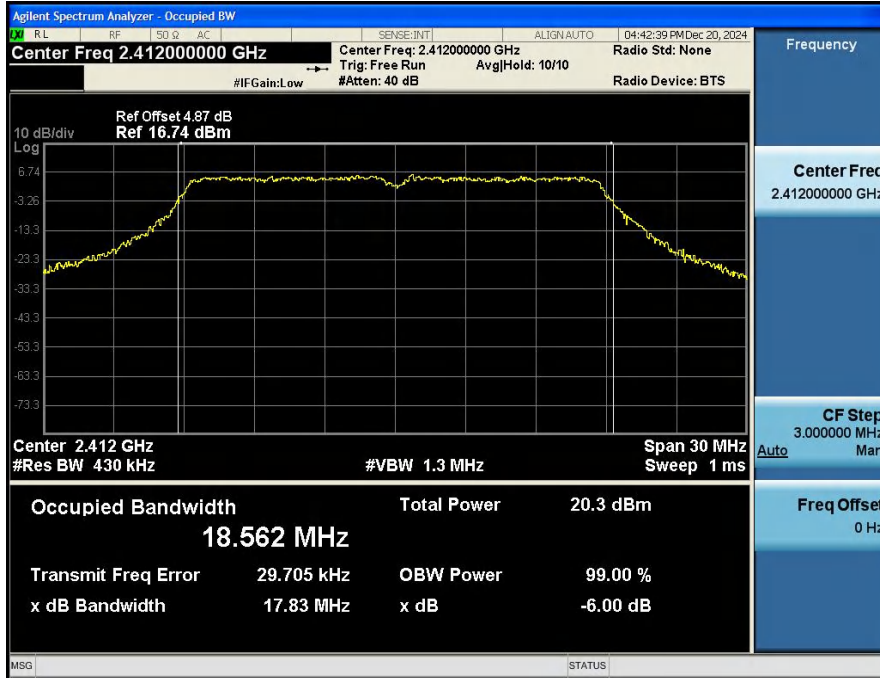
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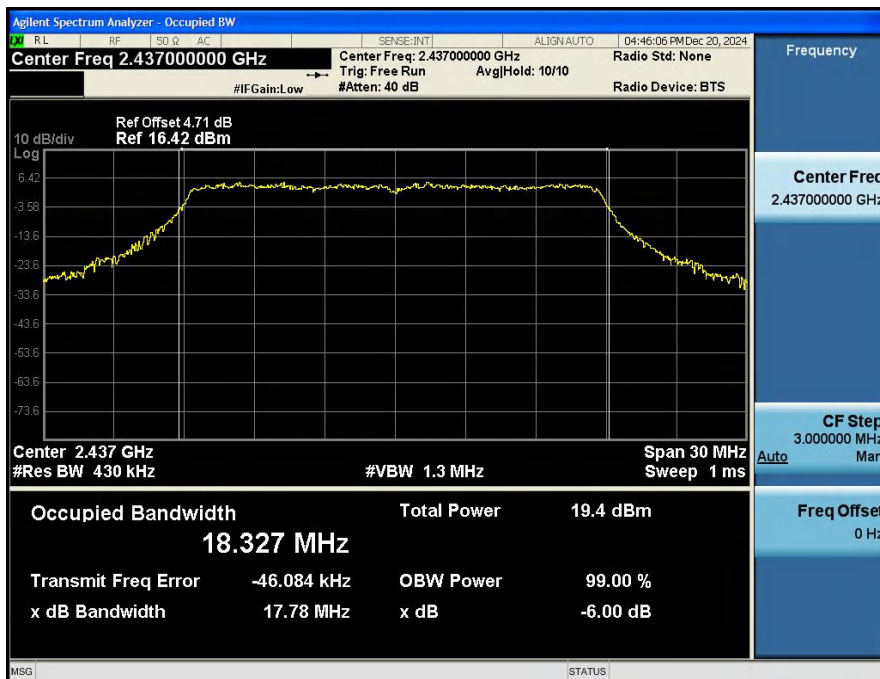
-6dB_Bandwidth_NVNT_ANT1_802_11g_2462



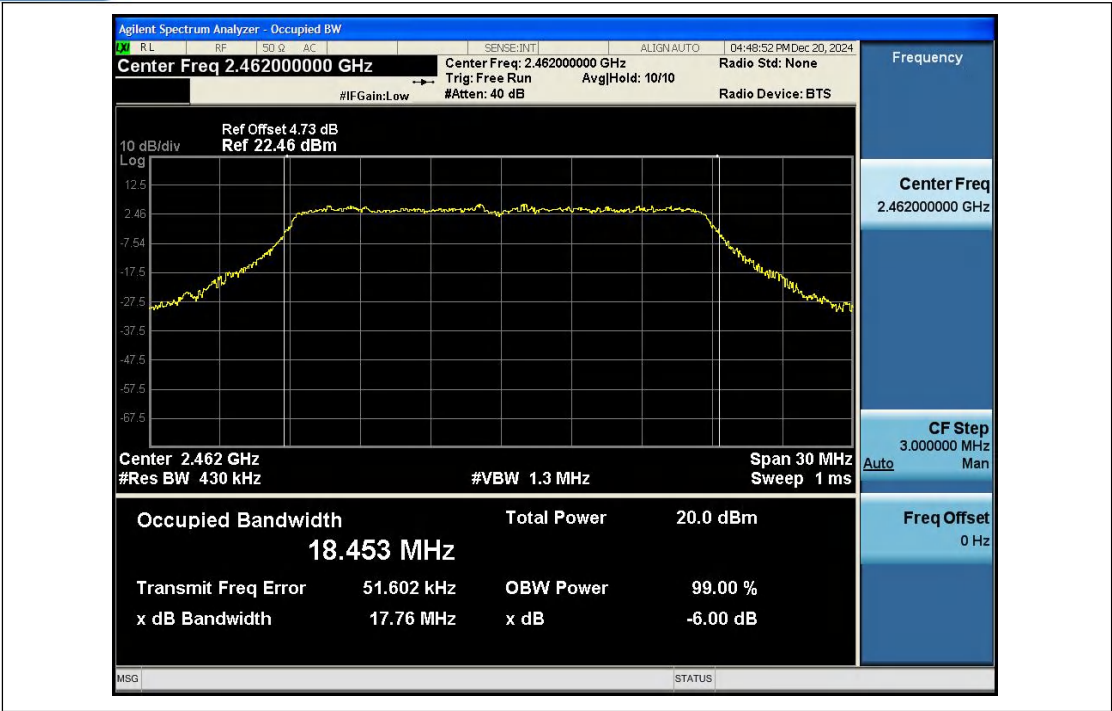
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



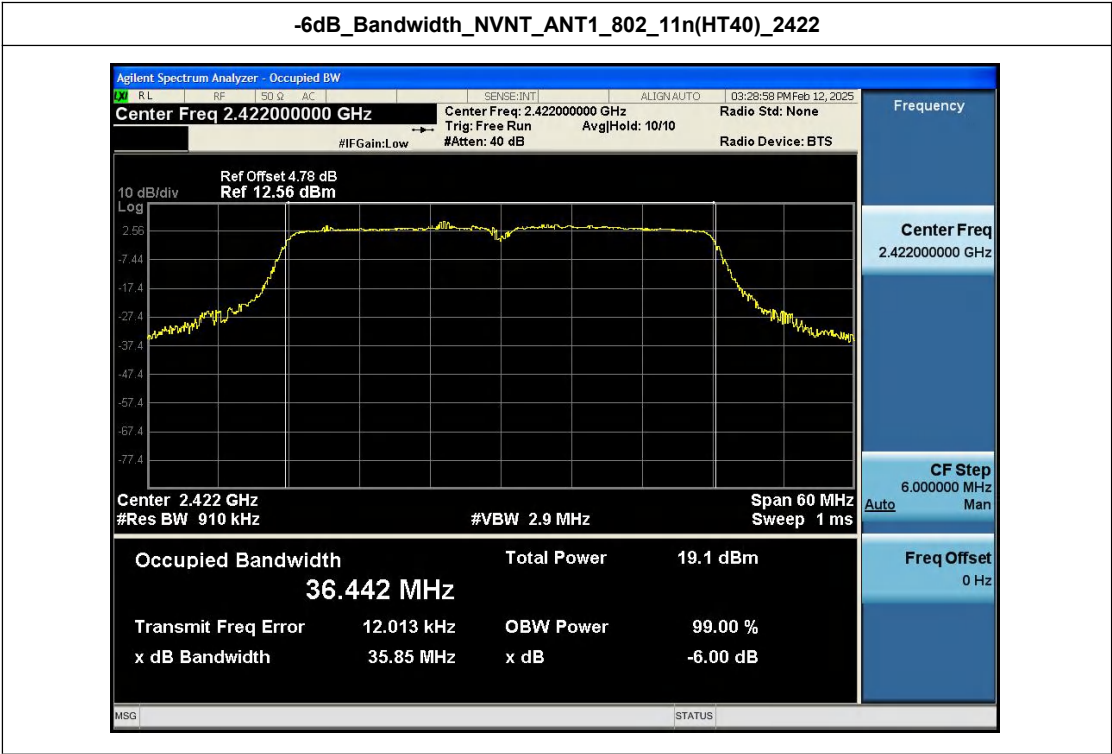
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



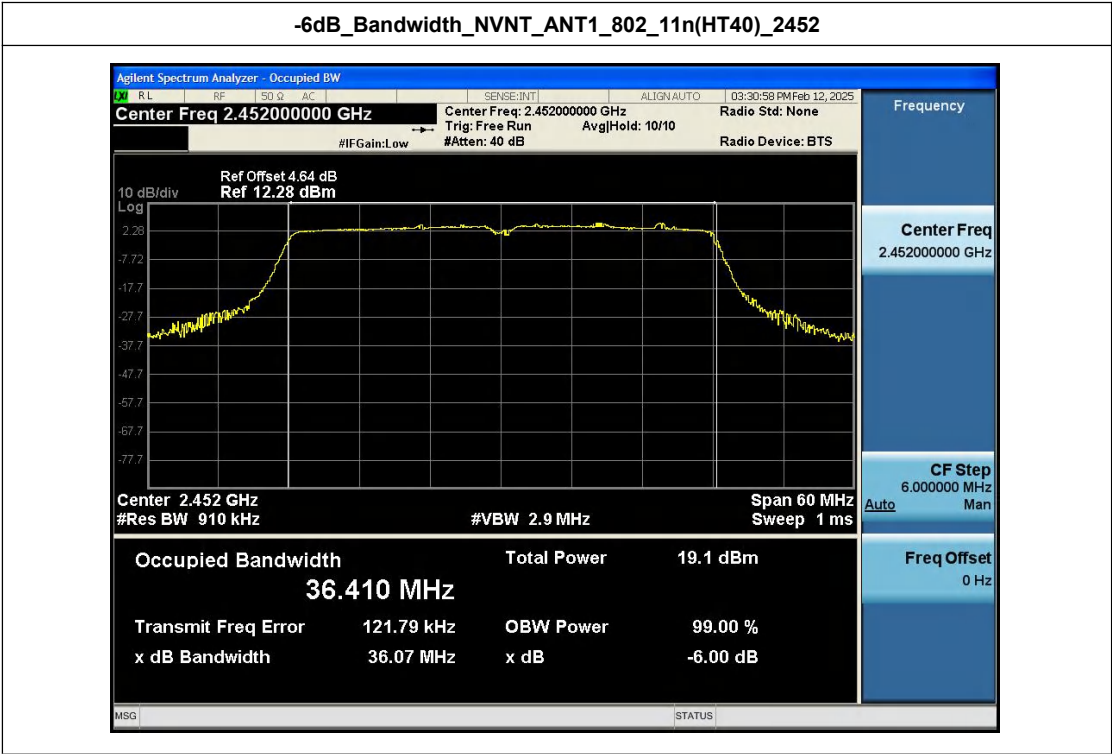
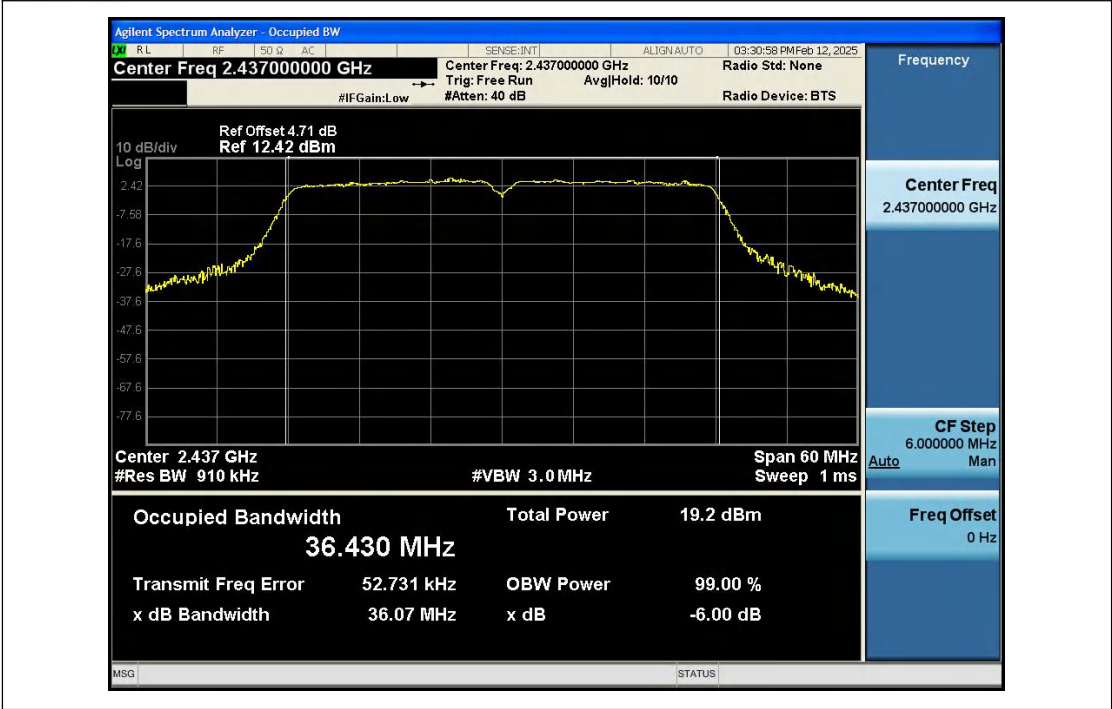
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437



Appendix B: 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	802.11b	2412.00	15.296
NVNT	ANT1	802.11b	2437.00	15.398
NVNT	ANT1	802.11b	2462.00	15.367
NVNT	ANT1	802.11g	2412.00	17.917
NVNT	ANT1	802.11g	2437.00	17.735
NVNT	ANT1	802.11g	2462.00	17.800
NVNT	ANT1	802.11n(HT20)	2412.00	18.766
NVNT	ANT1	802.11n(HT20)	2437.00	18.509
NVNT	ANT1	802.11n(HT20)	2462.00	18.688
NVNT	ANT1	802.11n(HT40)	2422.00	36.510
NVNT	ANT1	802.11n(HT40)	2437.00	36.440
NVNT	ANT1	802.11n(HT40)	2452.00	36.370

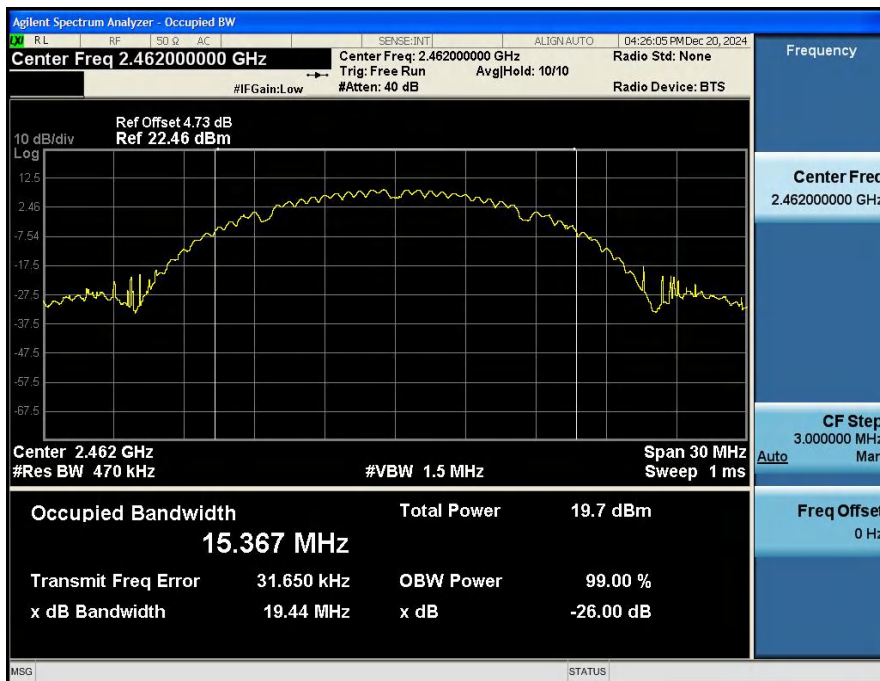
99%_Occupied_Bandwidth_NVNT_ANT1_802_11b_2412



99%_Occupied_Bandwidth_NVNT_ANT1_802_11b_2437



99%_Occupied_Bandwidth_NVNT_ANT1_802_11b_2462

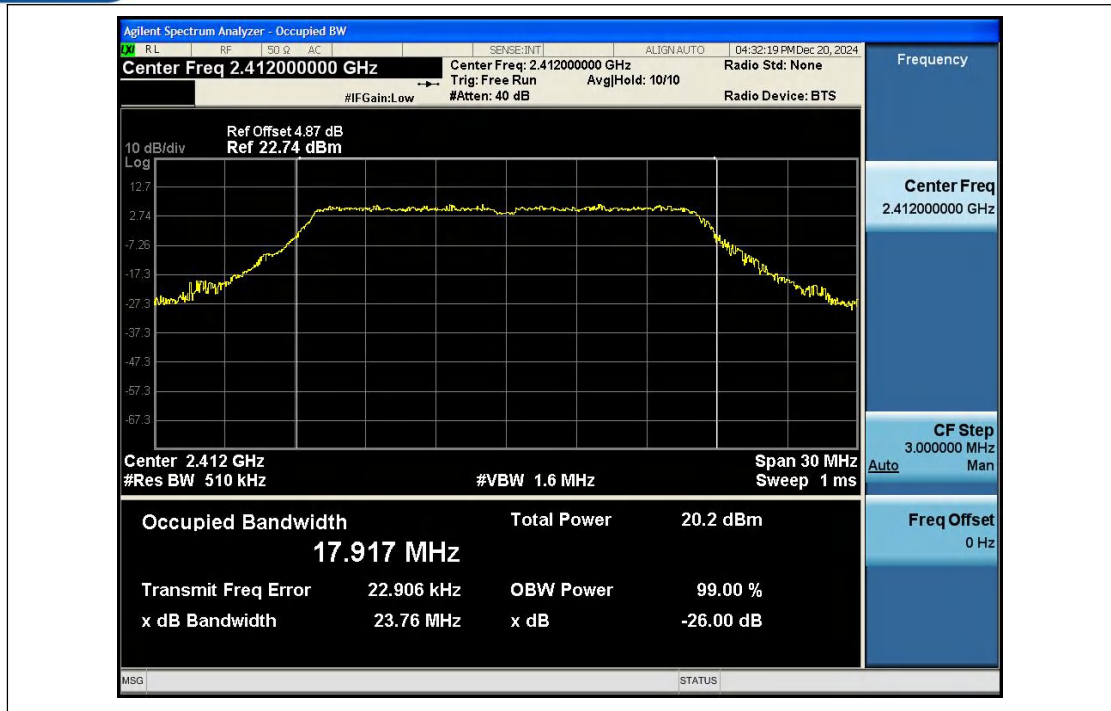


99%_Occupied_Bandwidth_NVNT_ANT1_802_11g_2412

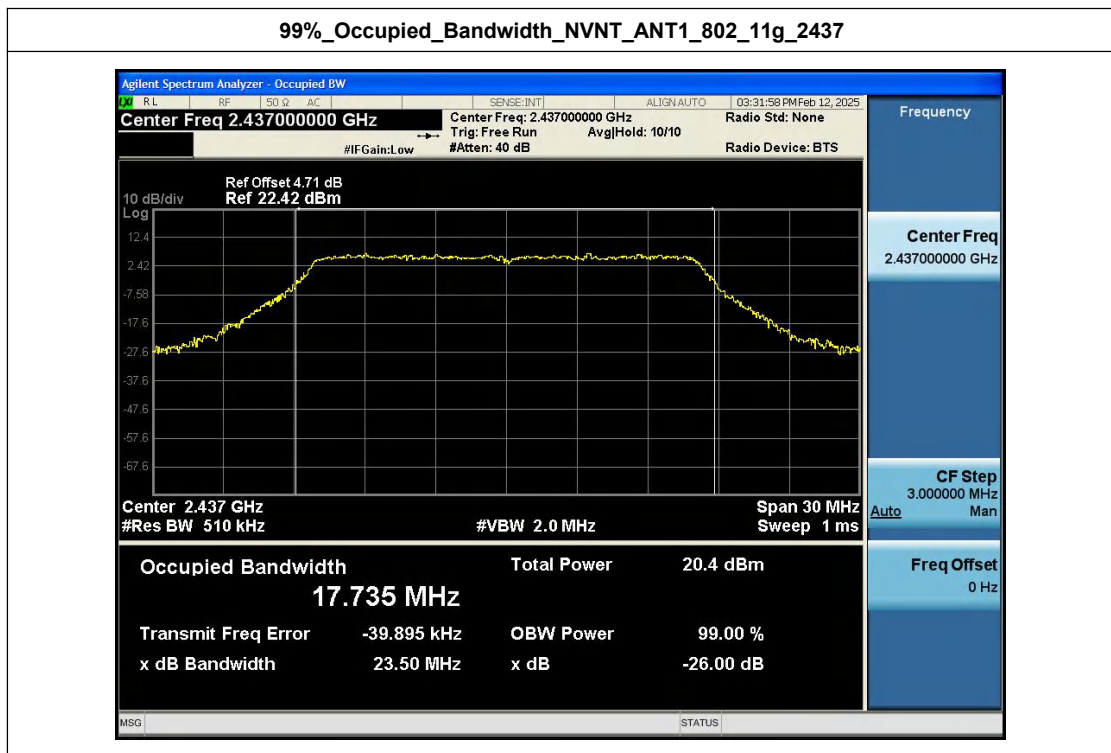
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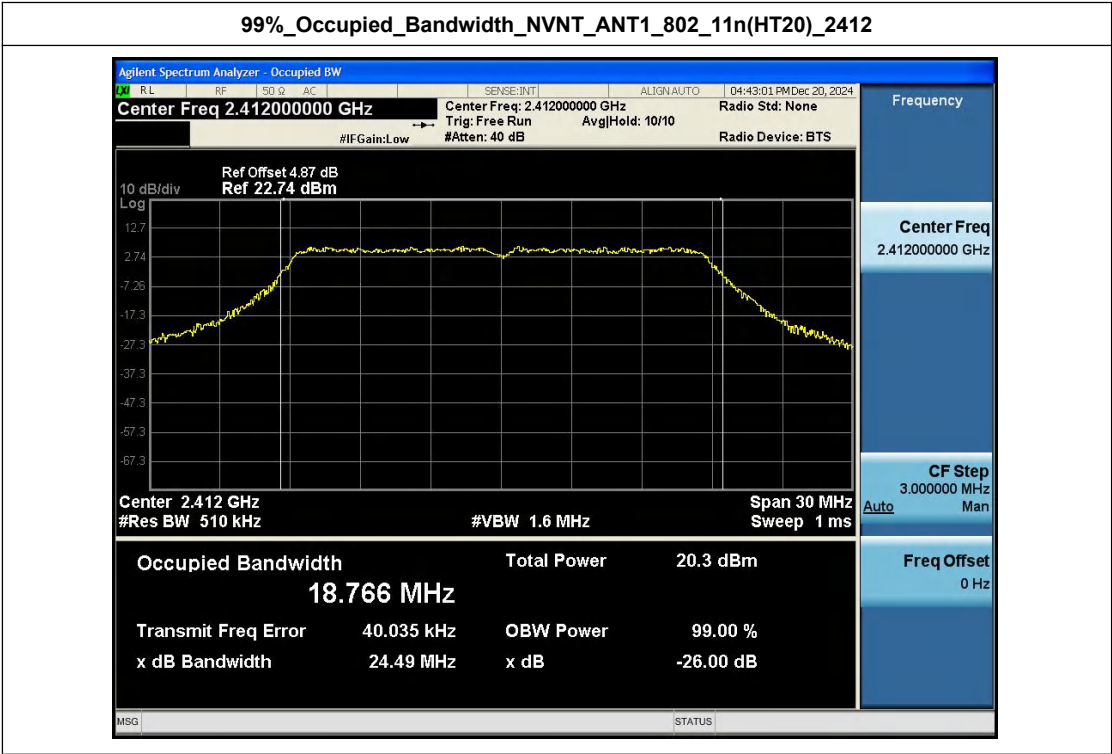
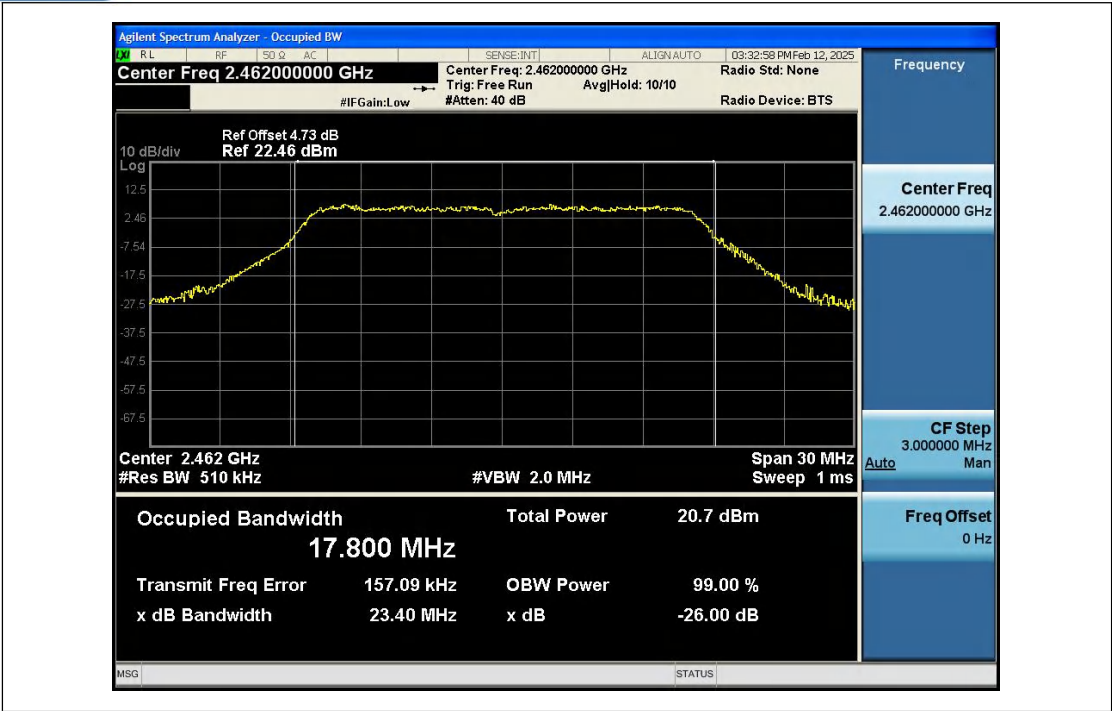
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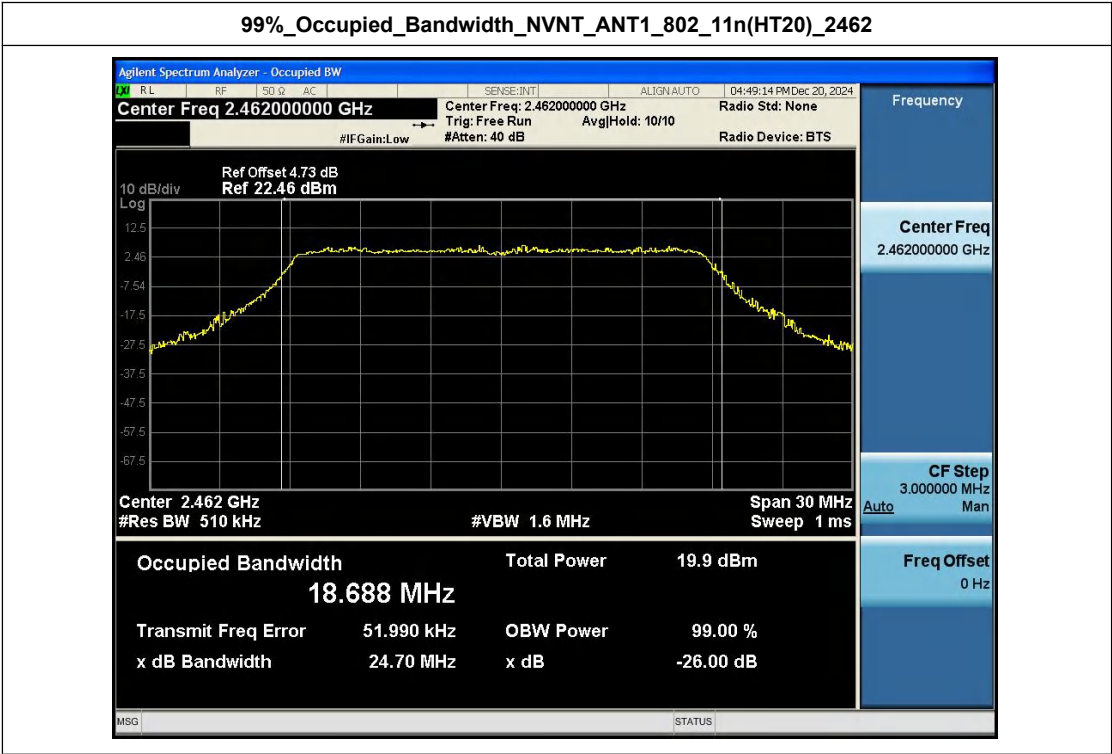
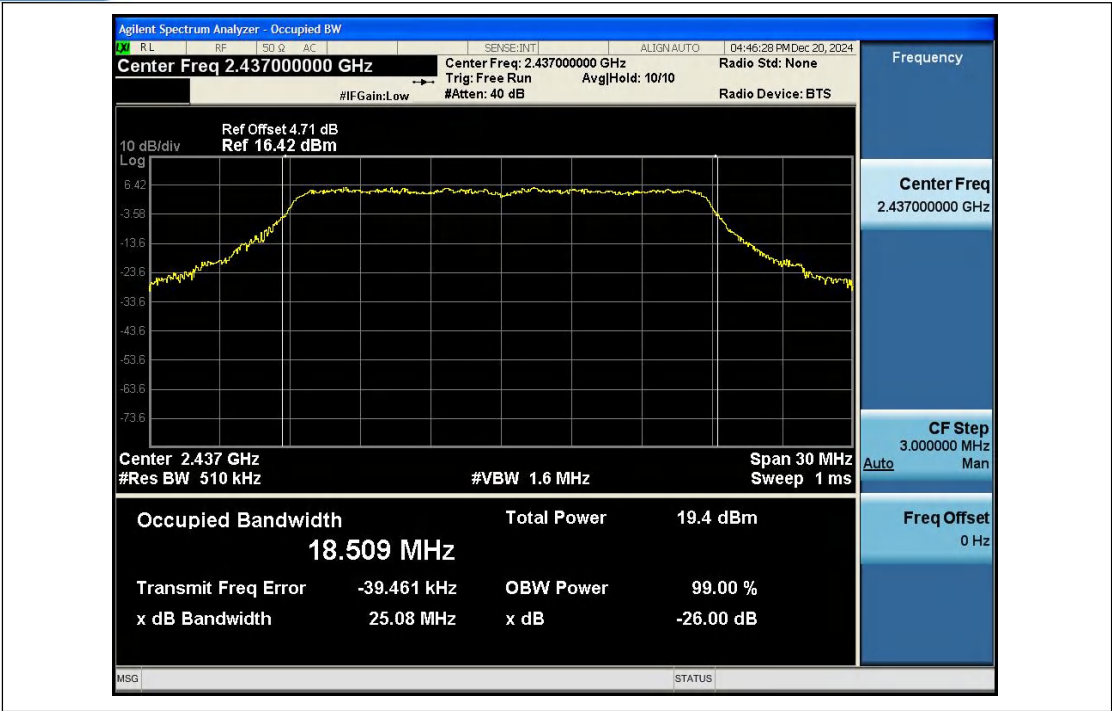


99%_Occupied_Bandwidth_NVNT_ANT1_802_11g_2437

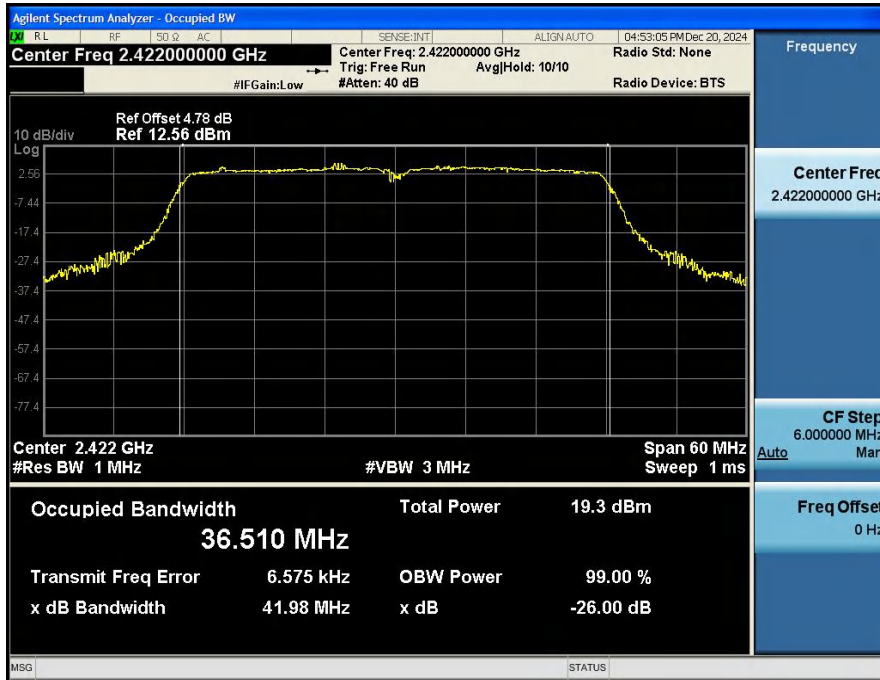


99%_Occupied_Bandwidth_NVNT_ANT1_802_11g_2462

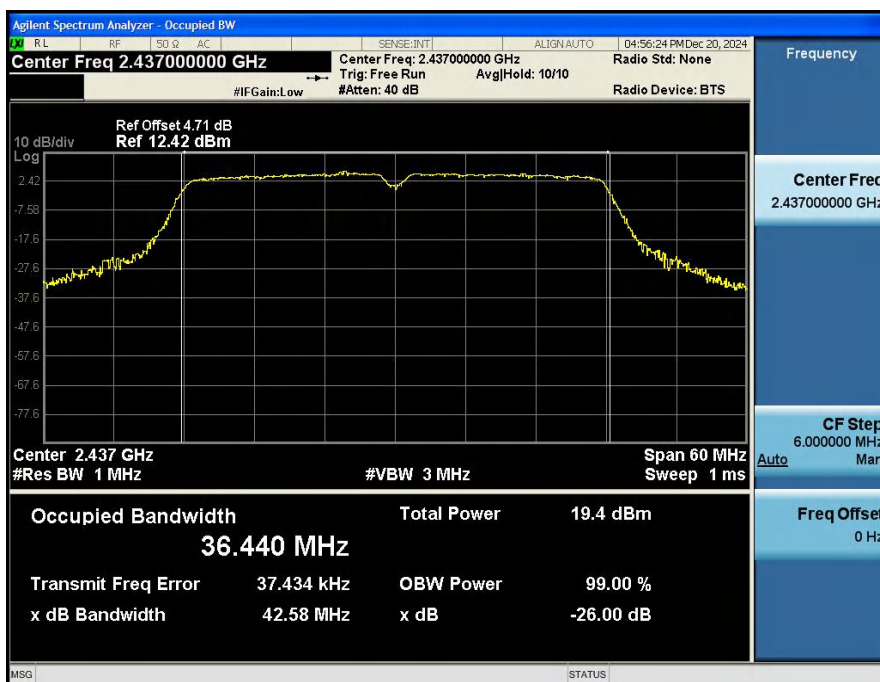




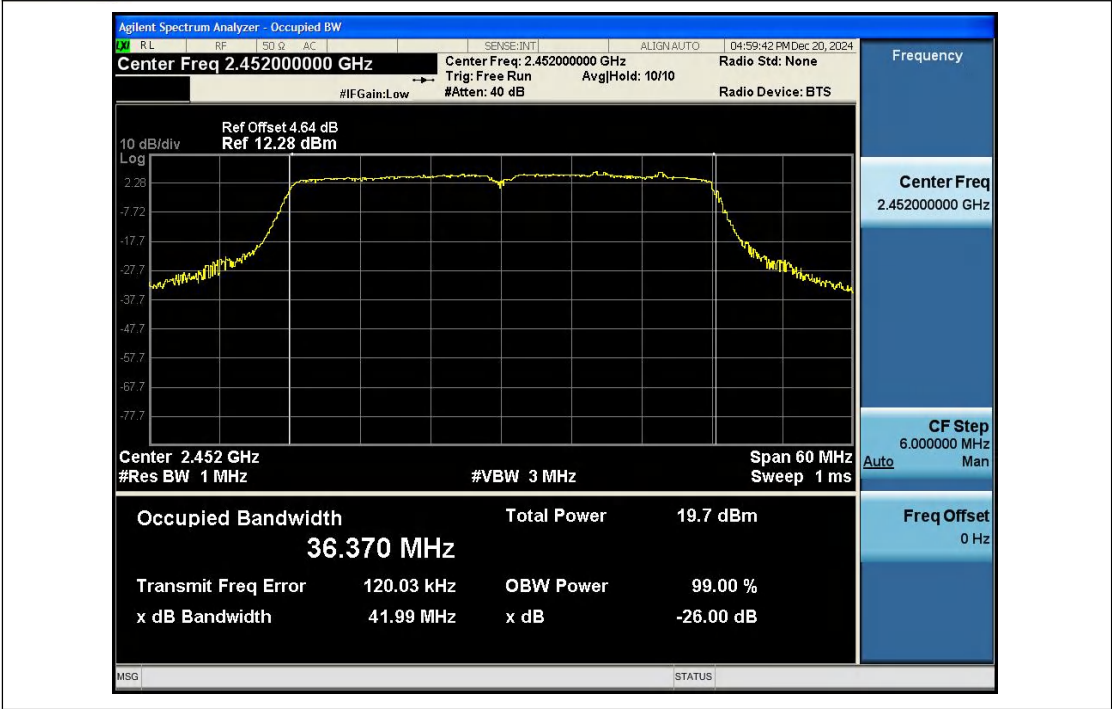
99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437



99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452



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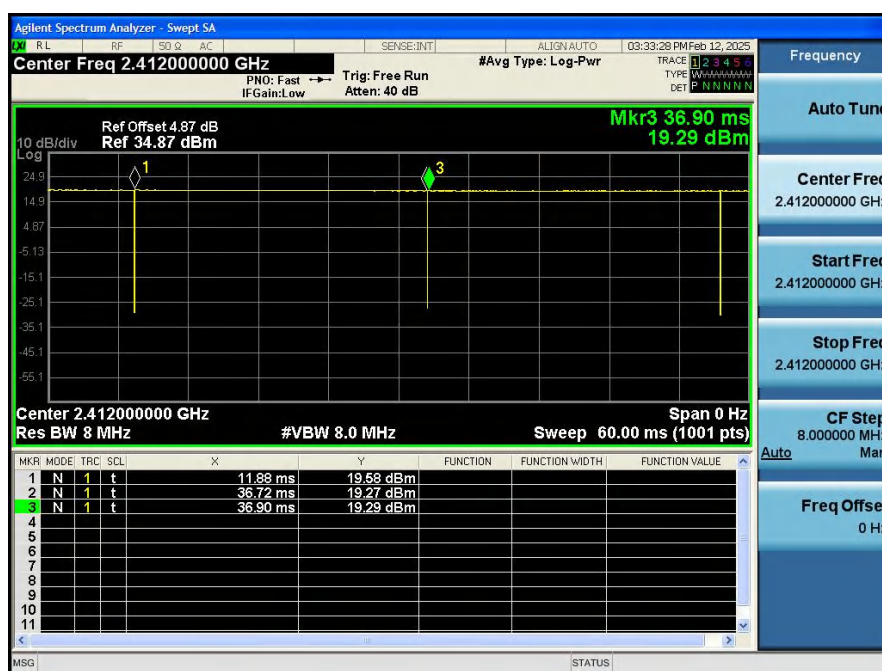
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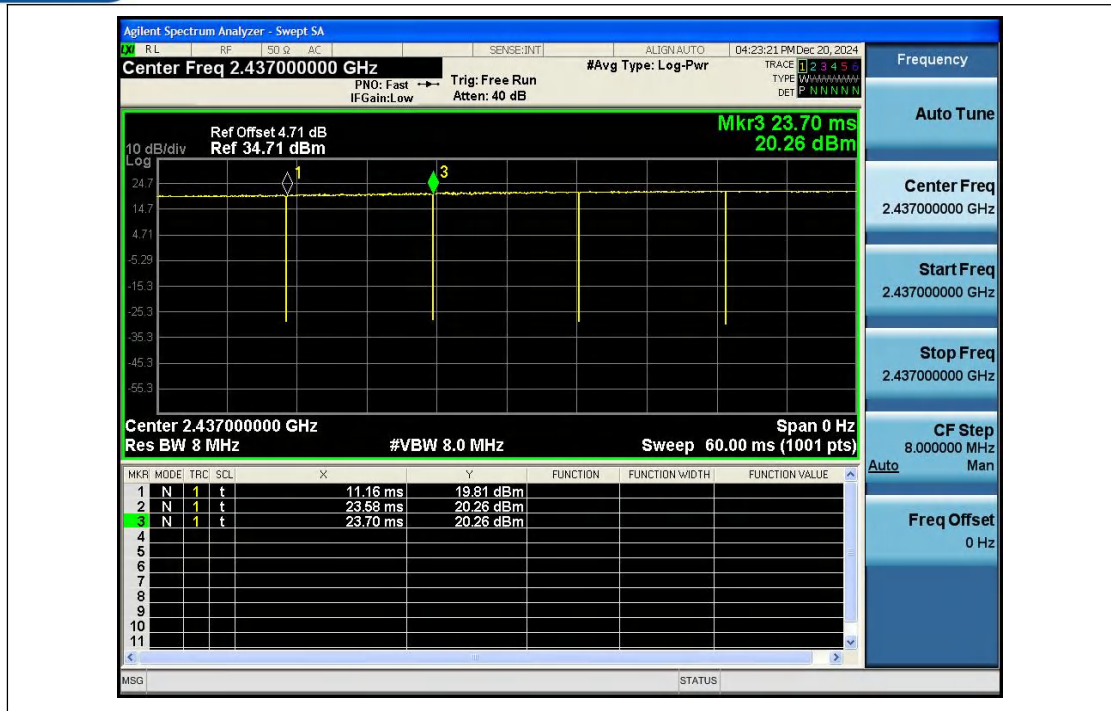
Appendix C: Duty Cycle

Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	99.52	0.00
NVNT	ANT1	802.11b	2437.00	99.52	0.00
NVNT	ANT1	802.11b	2462.00	99.04	0.00
NVNT	ANT1	802.11g	2412.00	94.55	0.24
NVNT	ANT1	802.11g	2437.00	93.69	0.28
NVNT	ANT1	802.11g	2462.00	97.22	0.12
NVNT	ANT1	802.11n(HT20)	2412.00	93.27	0.30
NVNT	ANT1	802.11n(HT20)	2437.00	93.27	0.30
NVNT	ANT1	802.11n(HT20)	2462.00	97.00	0.13
NVNT	ANT1	802.11n(HT40)	2422.00	96.08	0.17
NVNT	ANT1	802.11n(HT40)	2437.00	94.12	0.26
NVNT	ANT1	802.11n(HT40)	2452.00	96.00	0.18

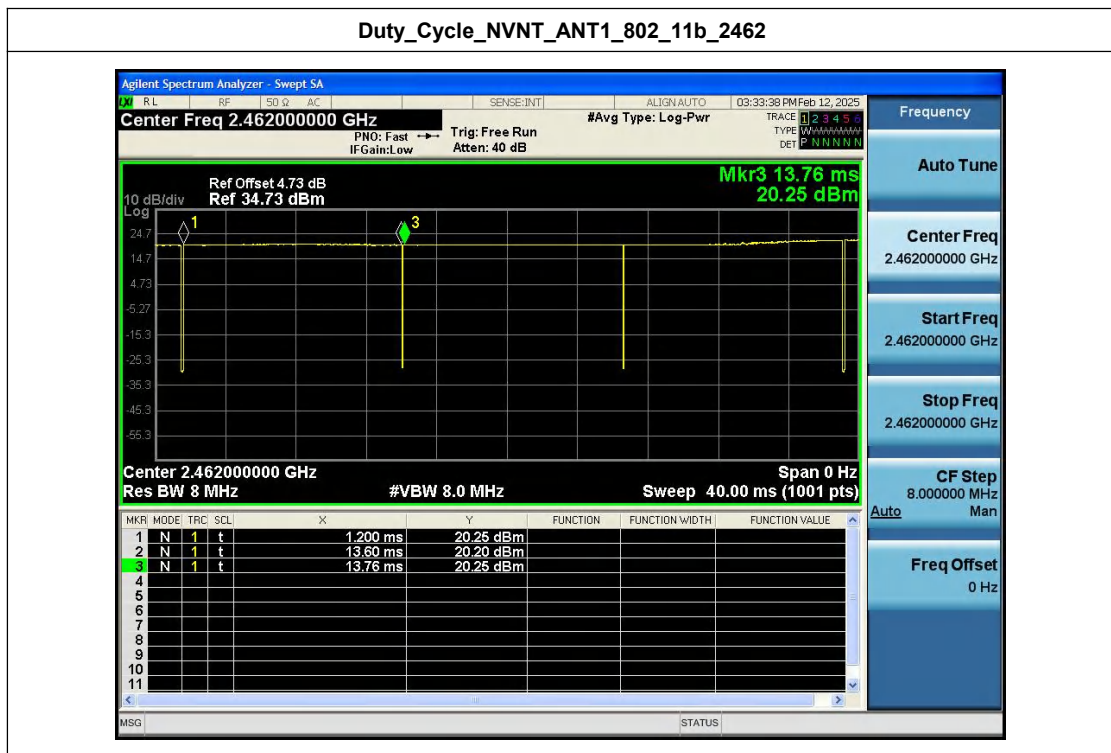
Duty_Cycle_NVNT_ANT1_802_11b_2412



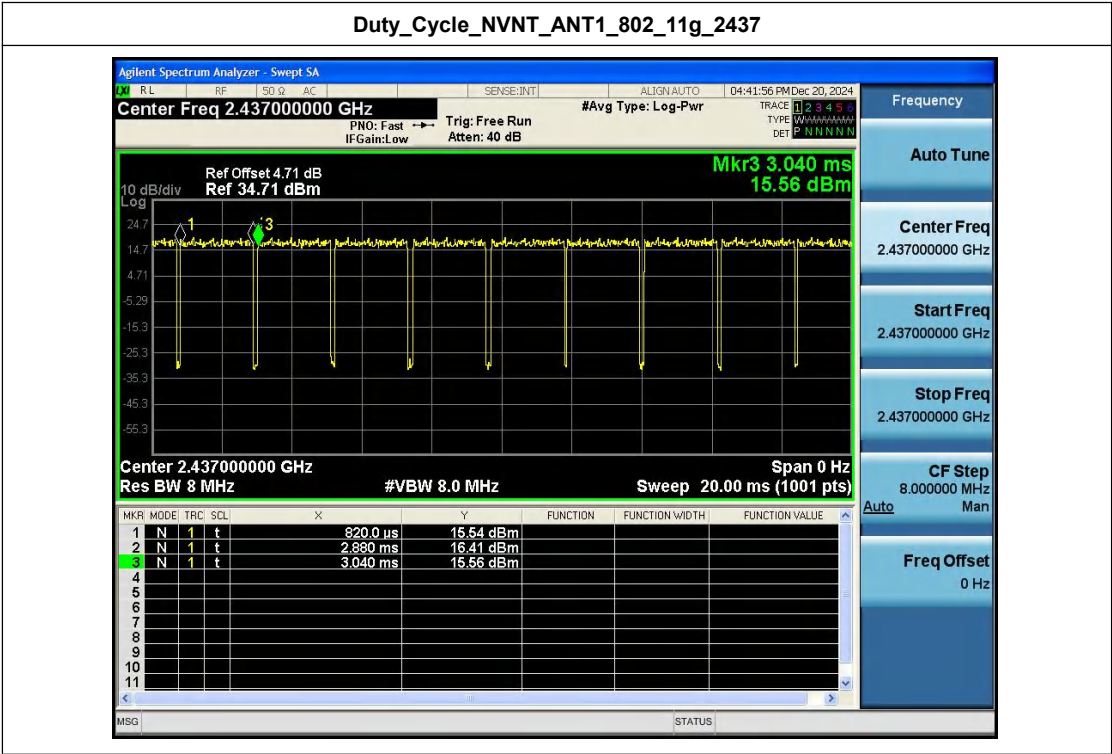
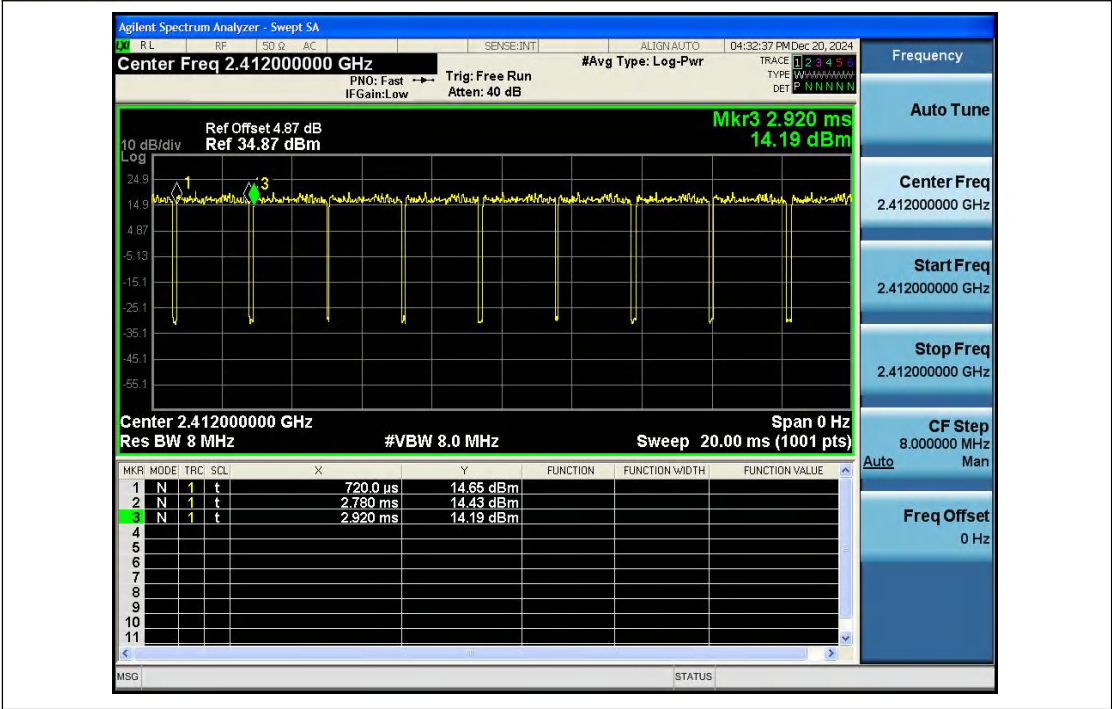
Duty_Cycle_NVNT_ANT1_802_11b_2437



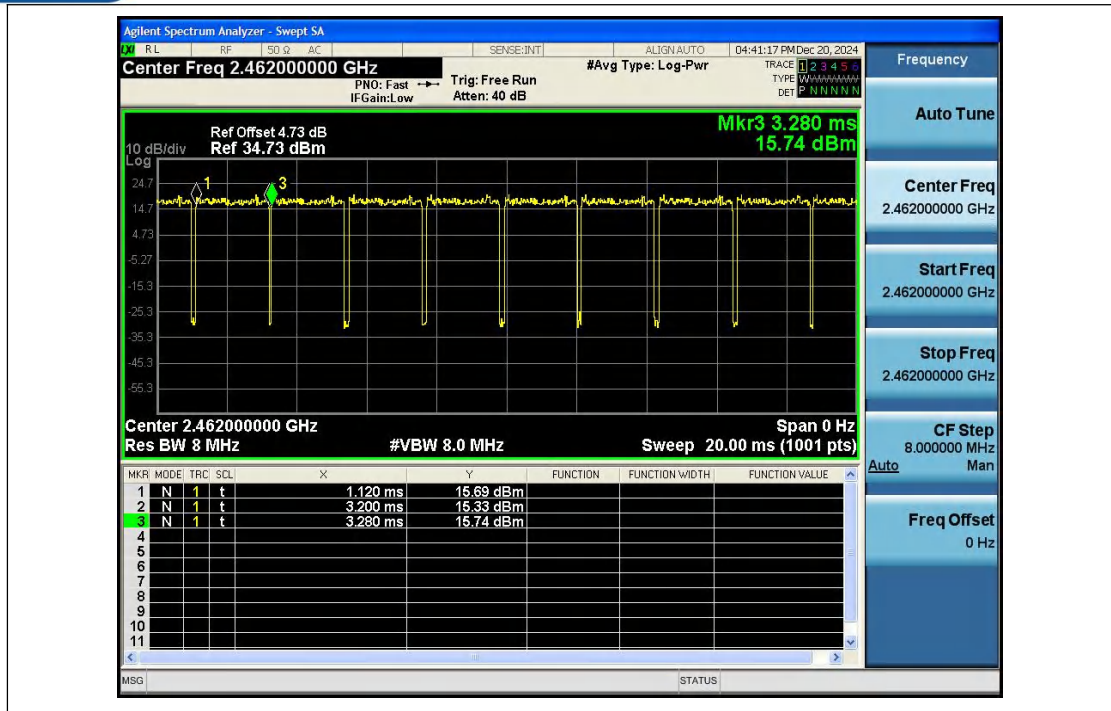
Duty_Cycle_NVNT_ANT1_802_11b_2462



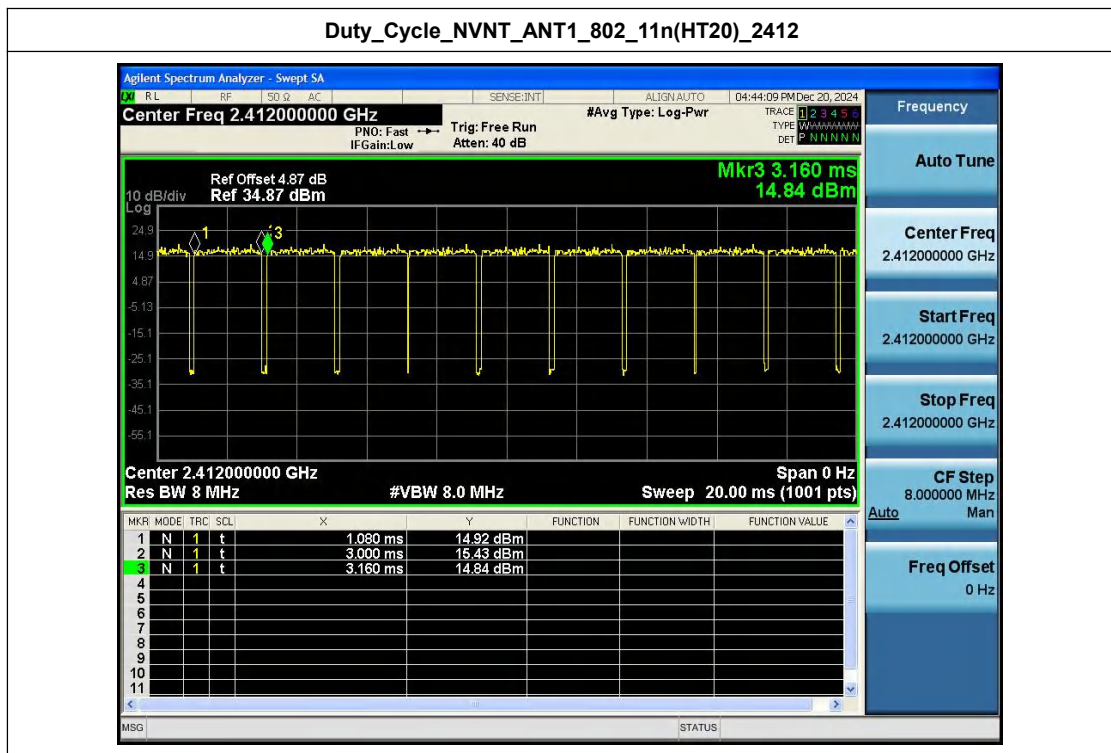
Duty_Cycle_NVNT_ANT1_802_11g_2412



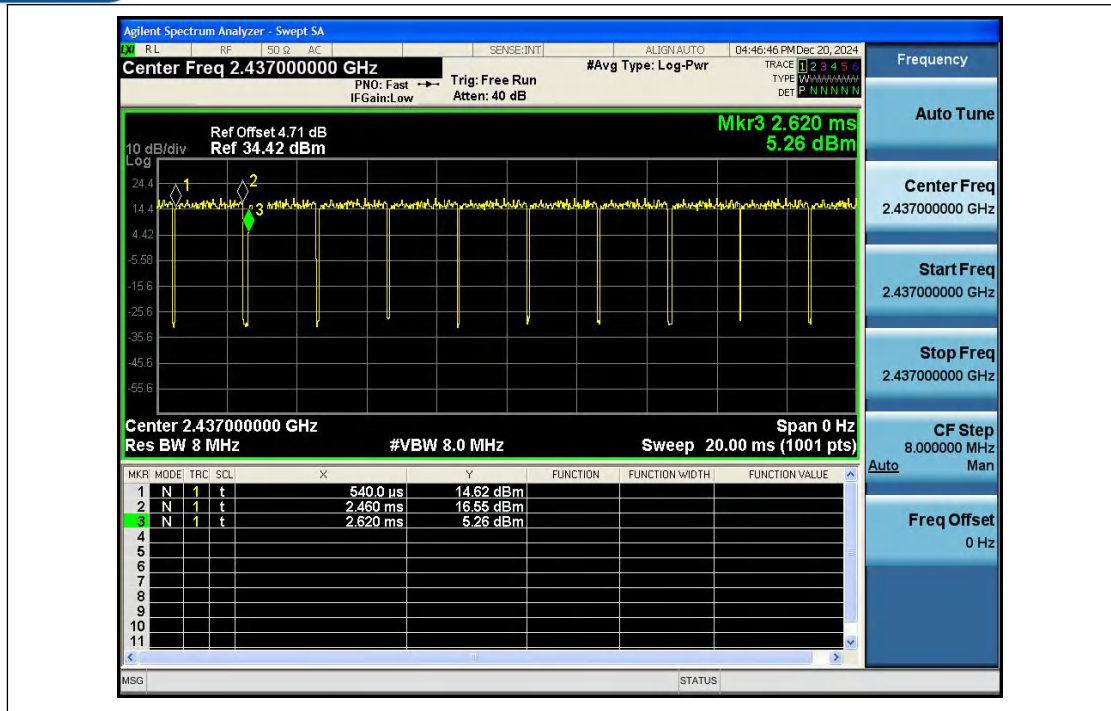
Duty_Cycle_NVNT_ANT1_802_11g_2462



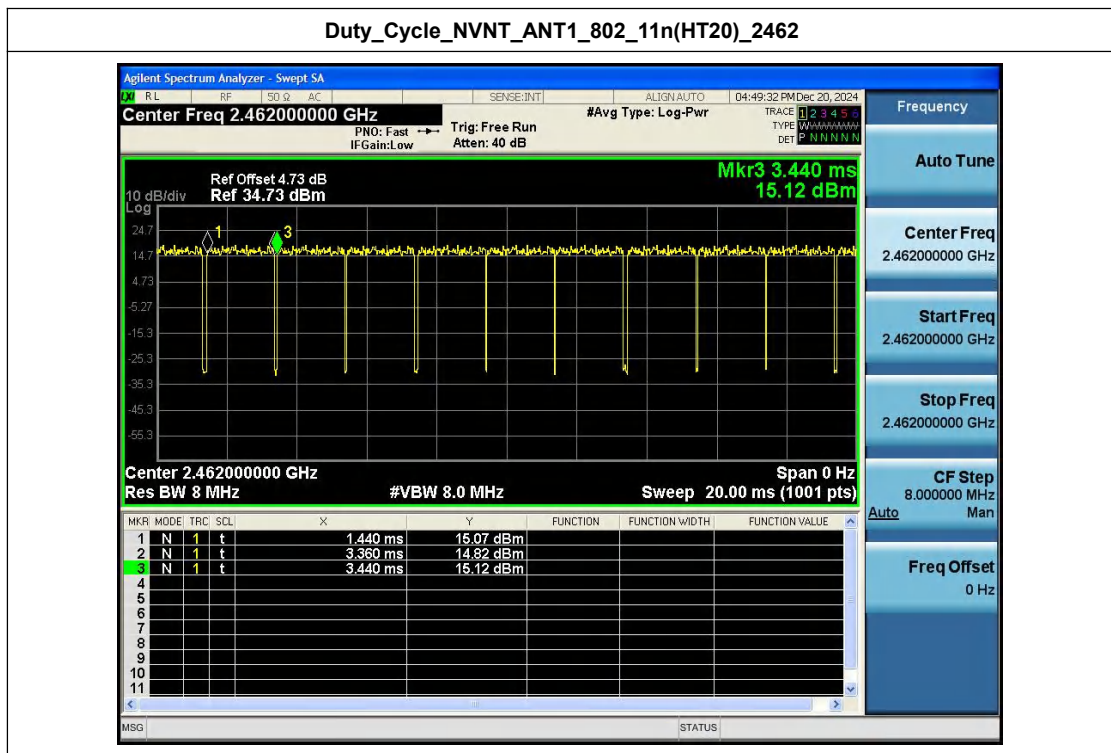
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2412



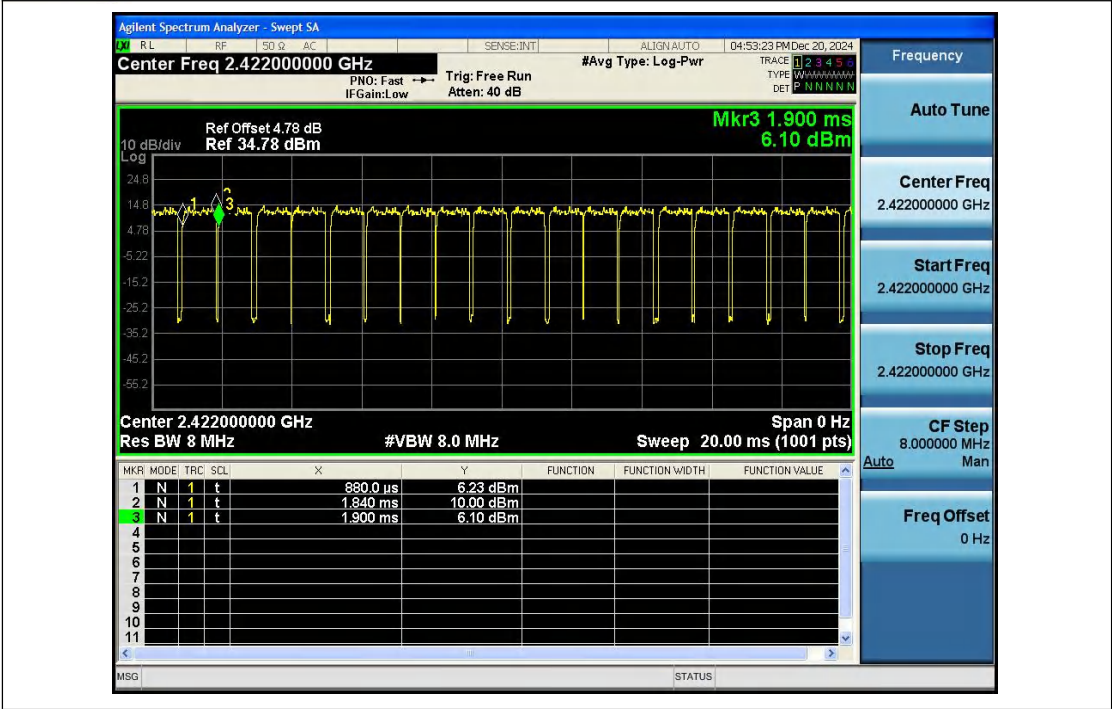
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2437



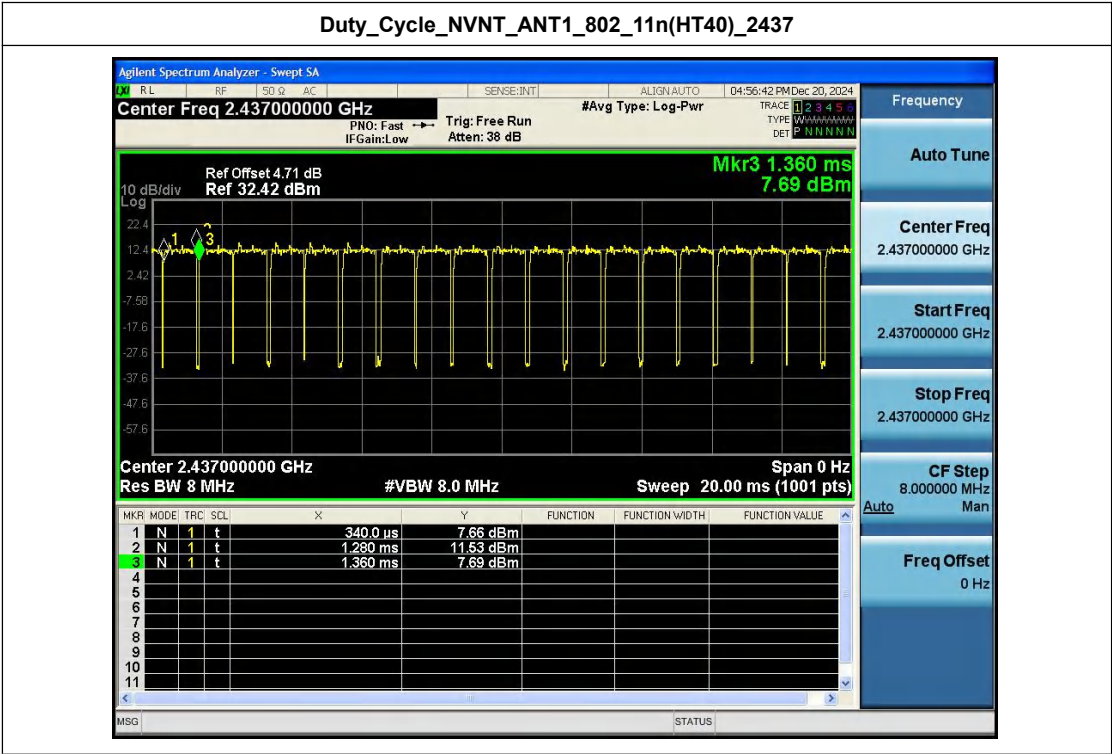
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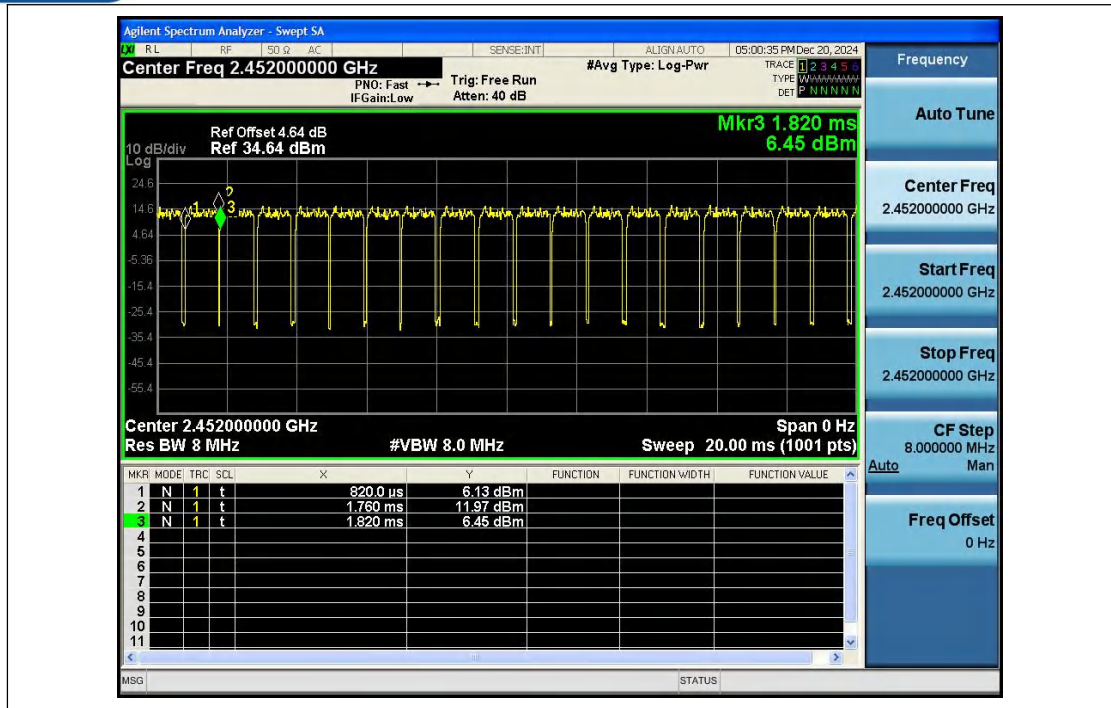
Duty_Cycle_NVNT_ANT1_802_11n(HT40)_2422



Duty_Cycle_NVNT_ANT1_802_11n(HT40)_2437



Duty_Cycle_NVNT_ANT1_802_11n(HT40)_2452



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Appendix D: 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	RMS	16.66	0.00	16.66	30	Pass
NVNT	ANT1	802.11b	2437.00	RMS	16.77	0.00	16.77	30	Pass
NVNT	ANT1	802.11b	2462.00	RMS	16.94	0.00	16.94	30	Pass
NVNT	ANT1	802.11g	2412.00	RMS	13.04	0.24	13.28	30	Pass
NVNT	ANT1	802.11g	2437.00	RMS	13.22	0.28	13.50	30	Pass
NVNT	ANT1	802.11g	2462.00	RMS	13.67	0.12	13.79	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	RMS	13.15	0.30	13.45	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	RMS	12.36	0.30	12.66	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	RMS	12.84	0.13	12.97	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	RMS	10.91	0.17	11.08	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	RMS	11.10	0.26	11.36	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	RMS	11.29	0.18	11.47	30	Pass

MAX_Output_Power_NVNT_ANT1_802_11b_2412



MAX_Output_Power_NVNT_ANT1_802_11b_2437

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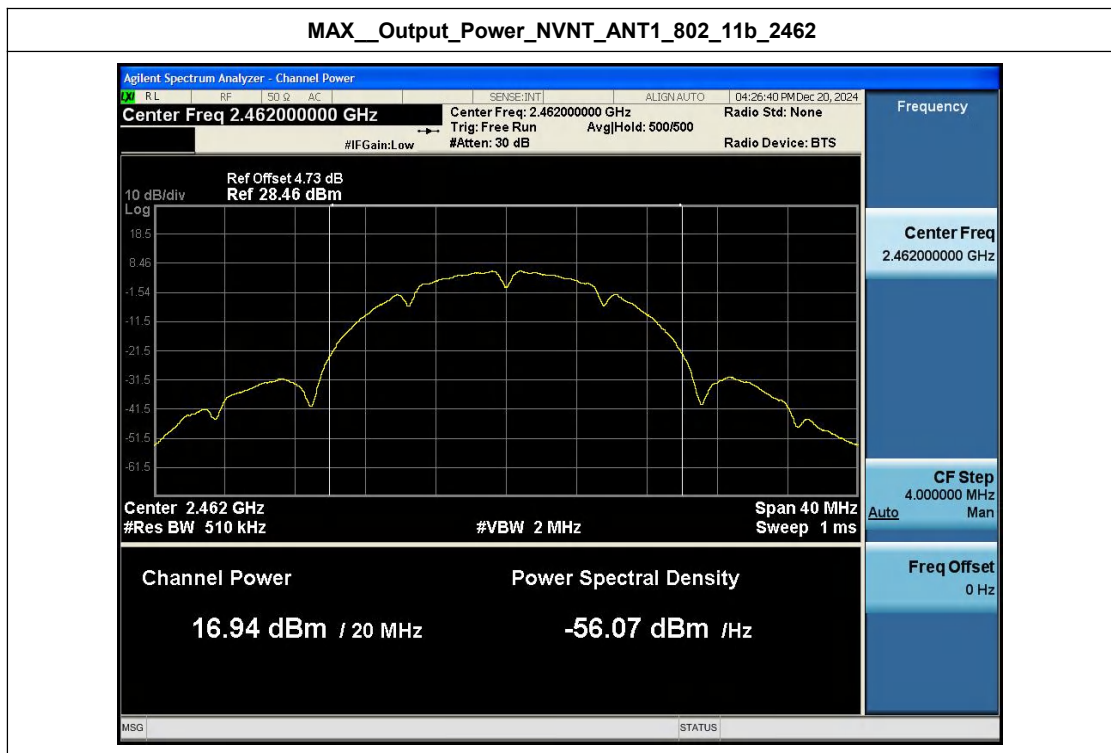
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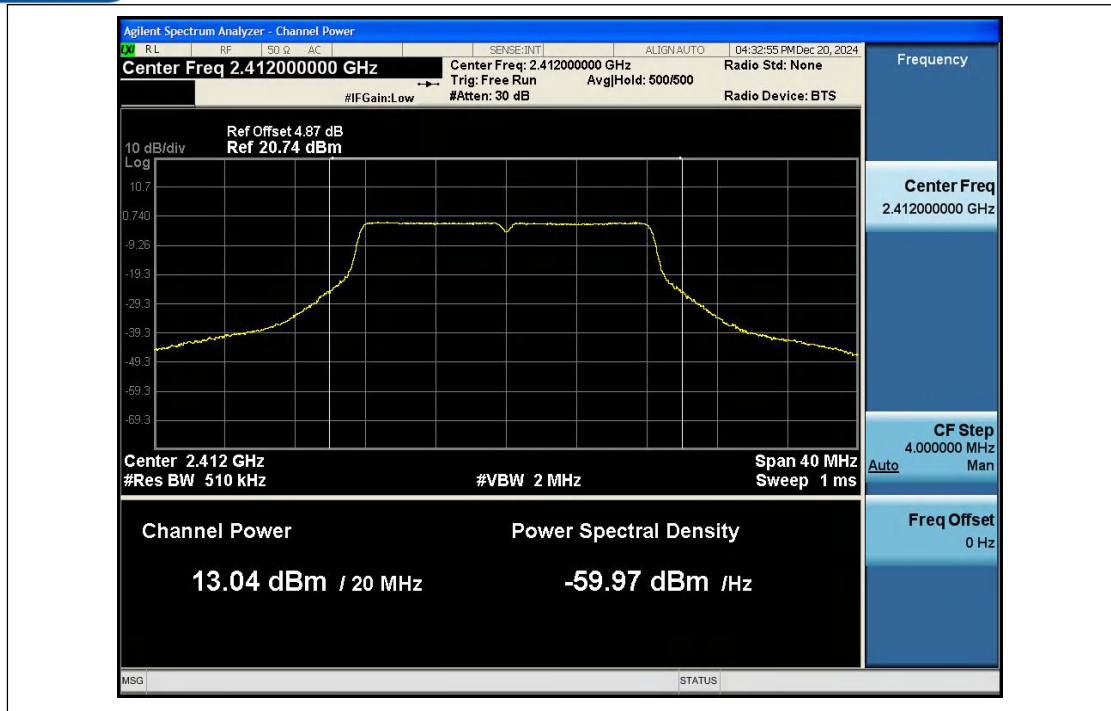
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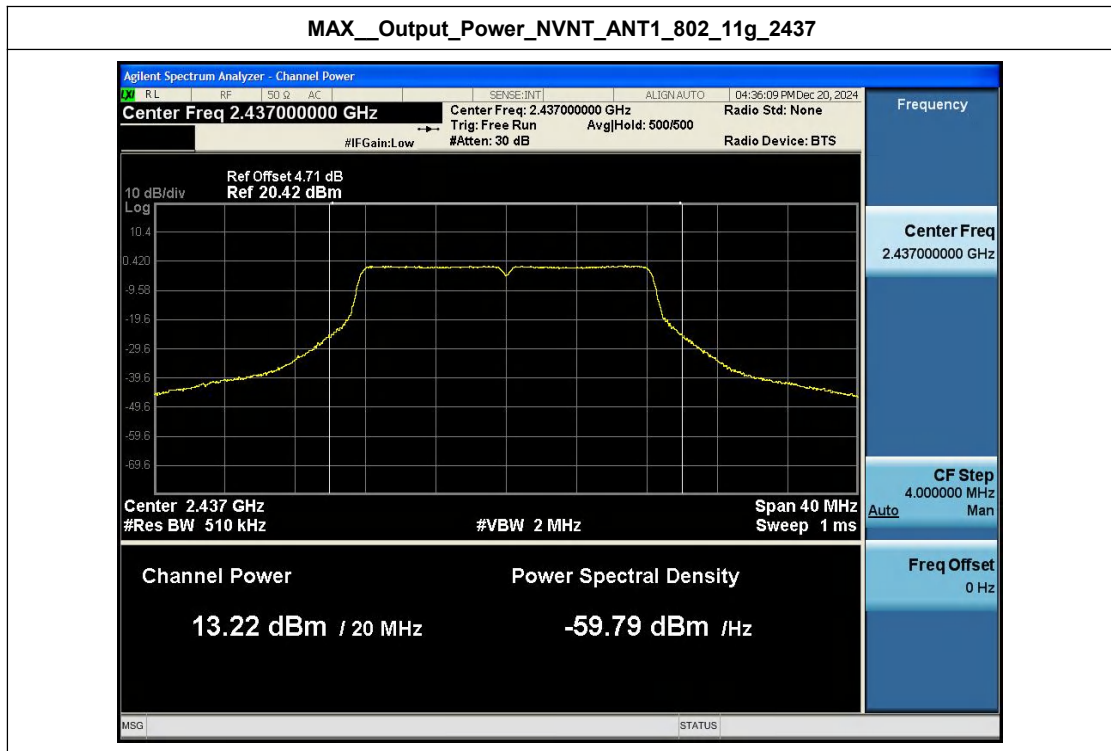
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MAX__Output_Power_NVNT_ANT1_802_11g_2412

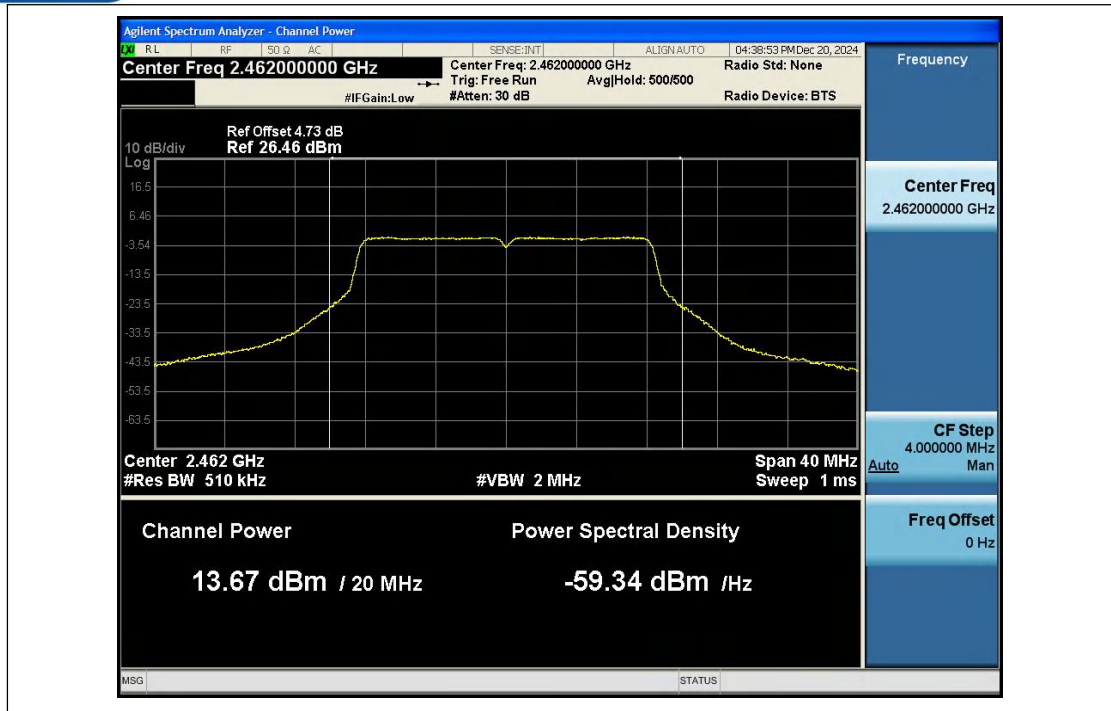


MAX__Output_Power_NVNT_ANT1_802_11g_2437

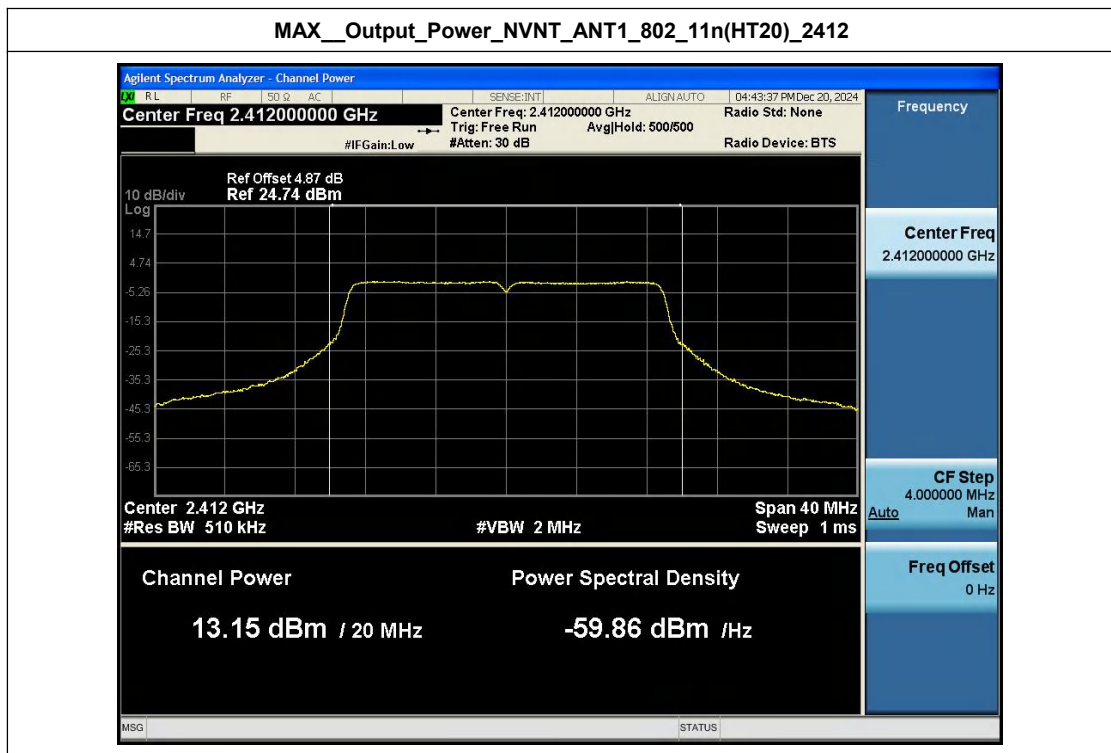


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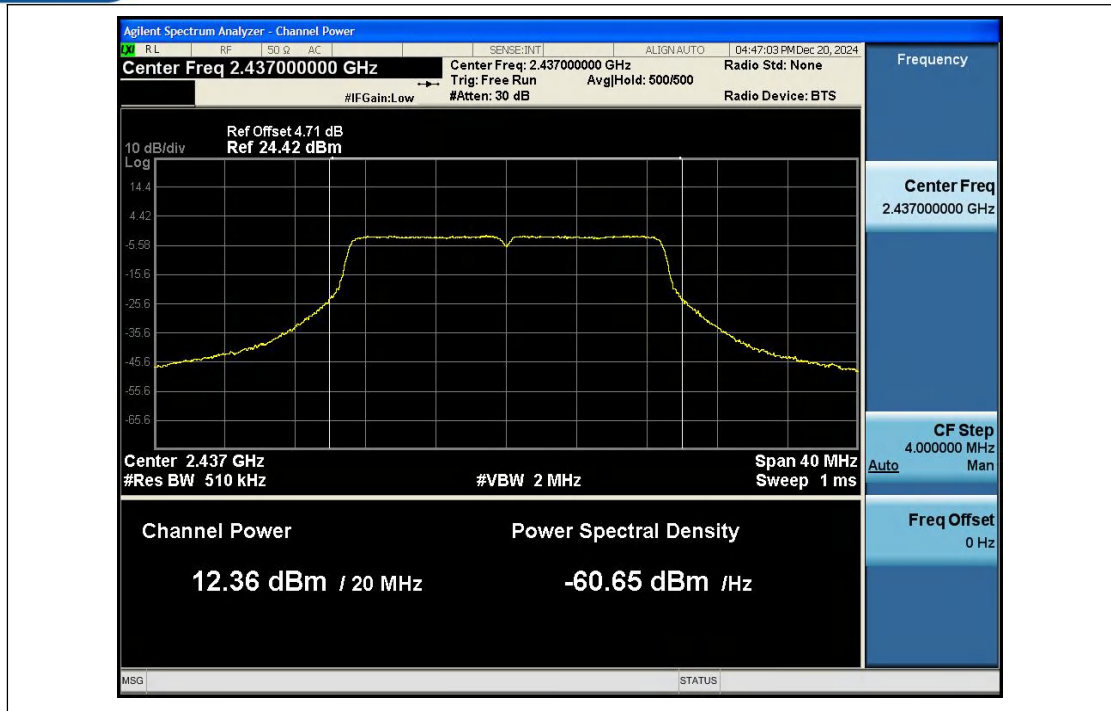




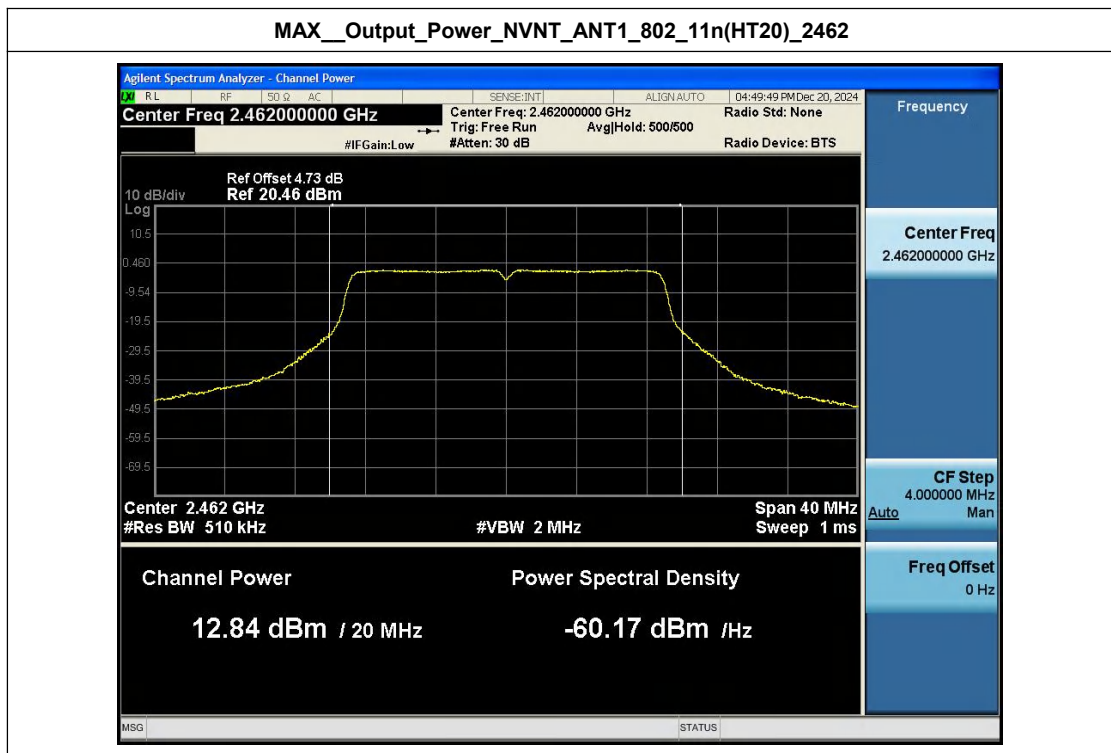
MAX__Output_Power_NVNT_ANT1_802_11n(HT20)_2412



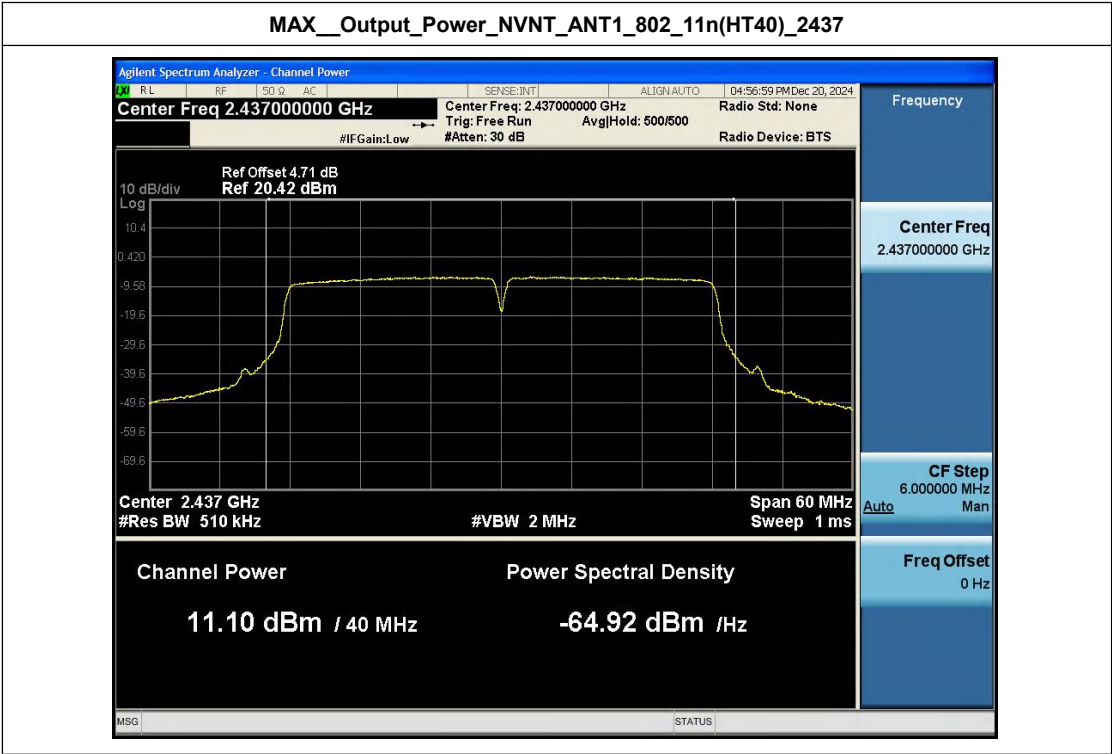
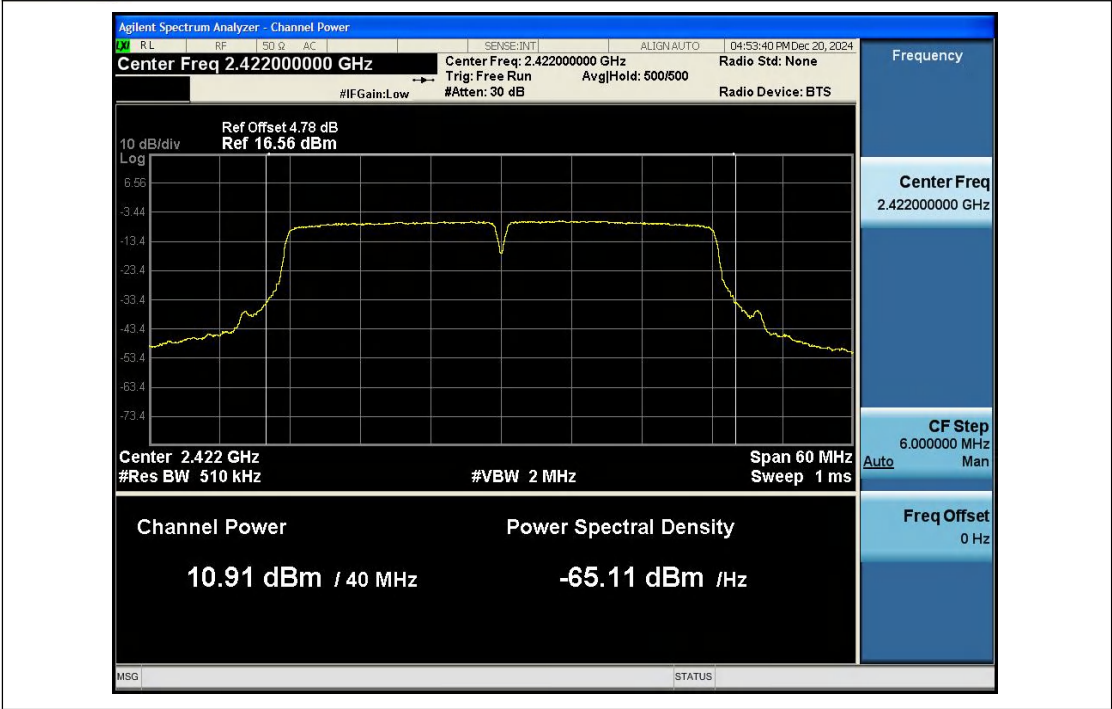
MAX__Output_Power_NVNT_ANT1_802_11n(HT20)_2437



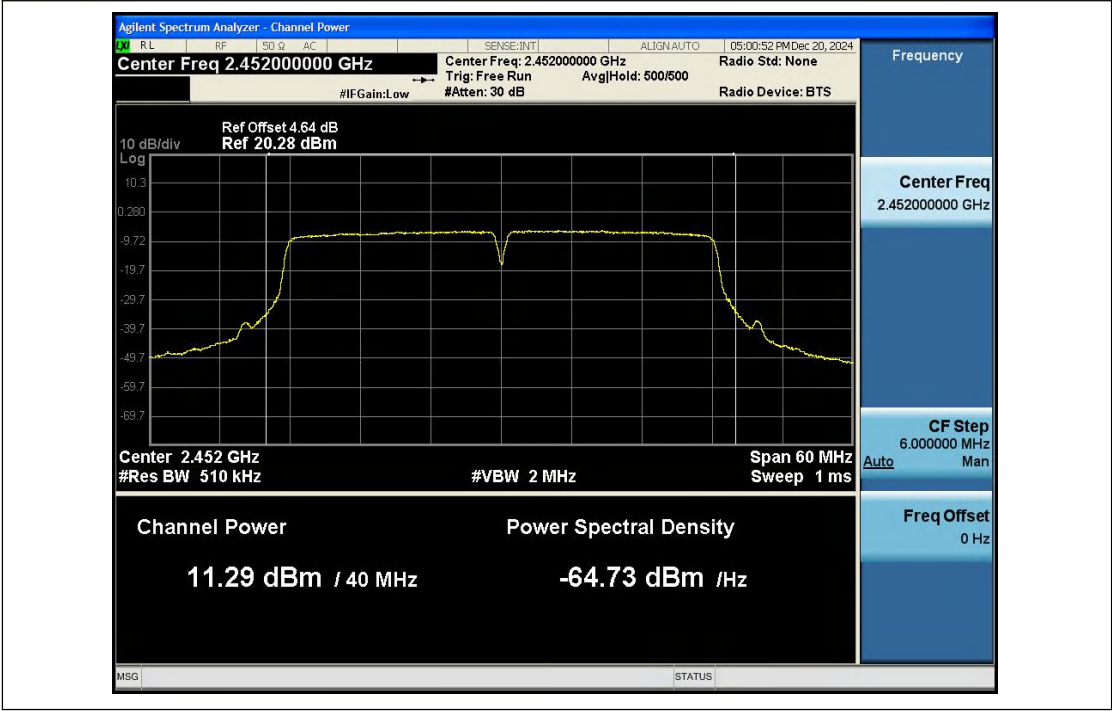
MAX__Output_Power_NVNT_ANT1_802_11n(HT20)_2462



MAX__Output_Power_NVNT_ANT1_802_11n(HT40)_2422



MAX__Output_Power_NVNT_ANT1_802_11n(HT40)_2452



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Appendix E: Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	SA_PSD(dBm/30kHz)	Duty factor(dB)	RB factor(dB)	PSD(dBm/30kHz)	limit(dBm/30kHz)	Result
NVNT	ANT1	802.11b	2412.00	3.93	0.00	-10.00	-6.07	8	Pass
NVNT	ANT1	802.11b	2437.00	3.07	0.00	-10.00	-6.93	8	Pass
NVNT	ANT1	802.11b	2462.00	4.42	0.00	-10.00	-5.58	8	Pass
NVNT	ANT1	802.11g	2412.00	-2.81	0.24	-10.00	-12.57	8	Pass
NVNT	ANT1	802.11g	2437.00	-2.75	0.28	-10.00	-12.47	8	Pass
NVNT	ANT1	802.11g	2462.00	-1.99	0.12	-10.00	-11.87	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-2.84	0.30	-10.00	-12.54	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-3.47	0.30	-10.00	-13.17	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-3.10	0.13	-10.00	-12.97	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-8.53	0.17	-10.00	-18.36	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-8.62	0.26	-10.00	-18.36	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-7.55	0.18	-10.00	-17.37	8	Pass

Power_Spectral_Density_NVNT_ANT1_802_11b_2412

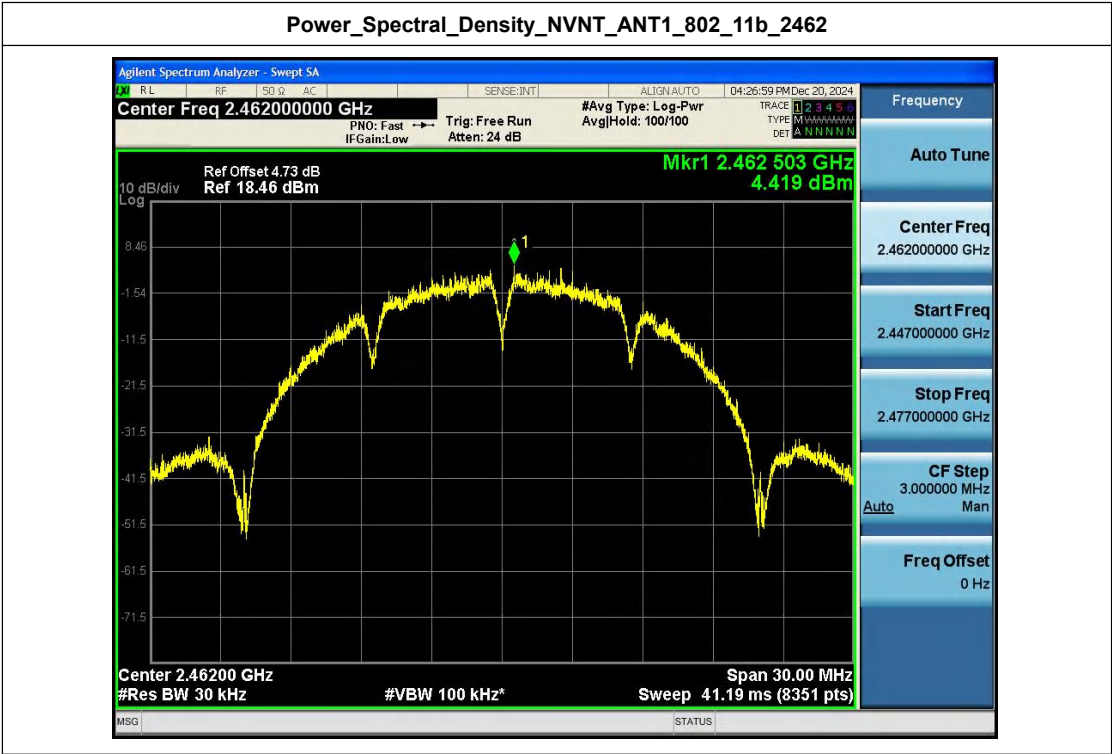


Power_Spectral_Density_NVNT_ANT1_802_11b_2437

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Power_Spectral_Density_NVNT_ANT1_802_11g_2412