

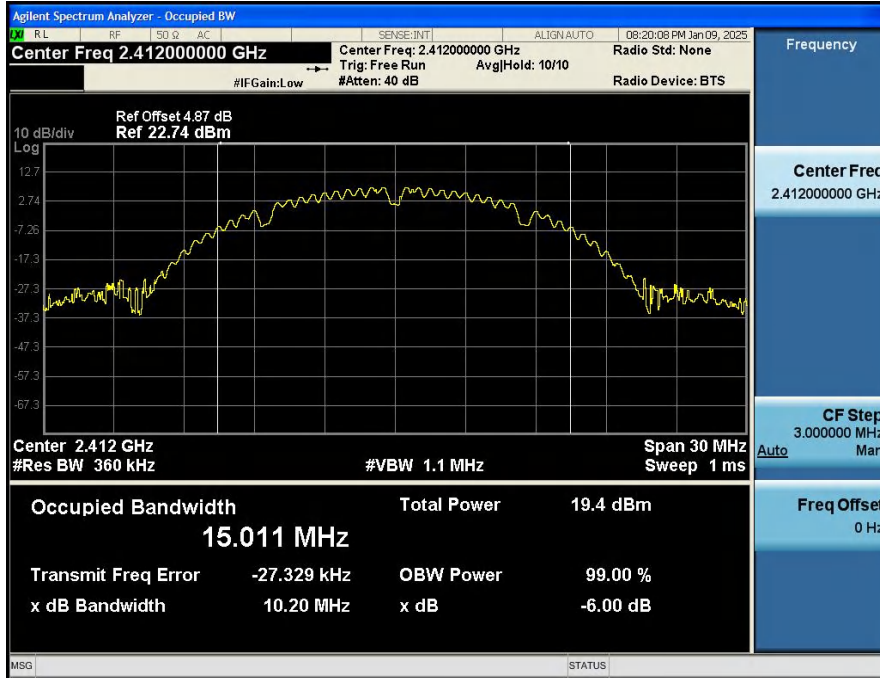
Appendix Test Data

Report No.:	1813C40236112503	Test Sample No.:	1-2-2
Start Test Date:	2024.12.16	Finish Test Date:	2025.1.9
Test Engineer:	<i>Foker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.8℃	Relative Humidity:	50%
Pressure:	101kPa		

Appendix A: -6dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	10.20	500	Pass
NVNT	ANT1	802.11b	2437.00	9.25	500	Pass
NVNT	ANT1	802.11b	2462.00	10.20	500	Pass
NVNT	ANT1	802.11g	2412.00	16.60	500	Pass
NVNT	ANT1	802.11g	2437.00	16.60	500	Pass
NVNT	ANT1	802.11g	2462.00	16.62	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.78	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.80	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.89	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	36.26	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	36.19	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	36.32	500	Pass

-6dB_Bandwidth_NVNT_ANT1_802_11b_2412



-6dB_Bandwidth_NVNT_ANT1_802_11b_2437



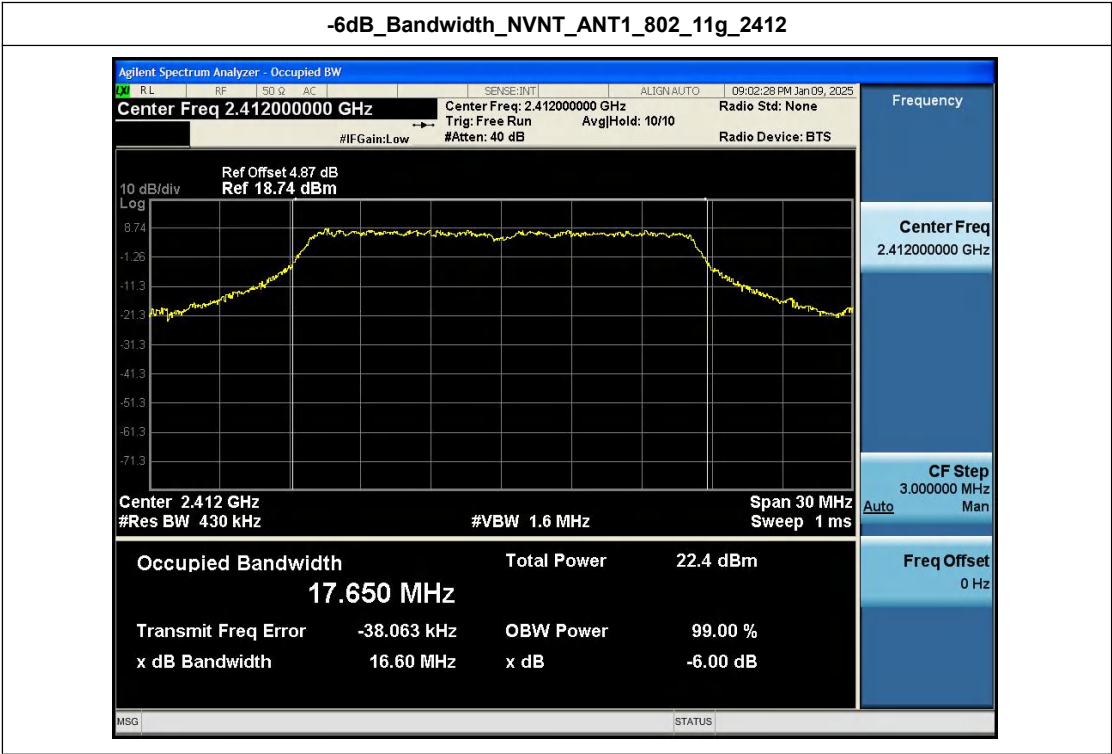
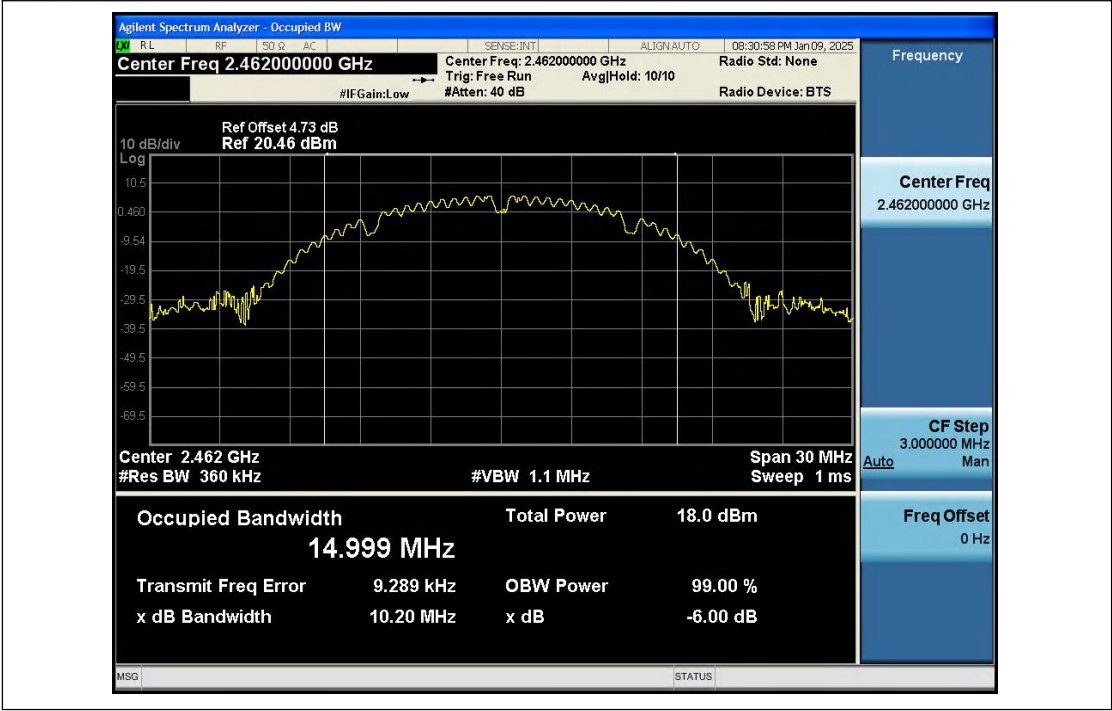
-6dB_Bandwidth_NVNT_ANT1_802_11b_2462

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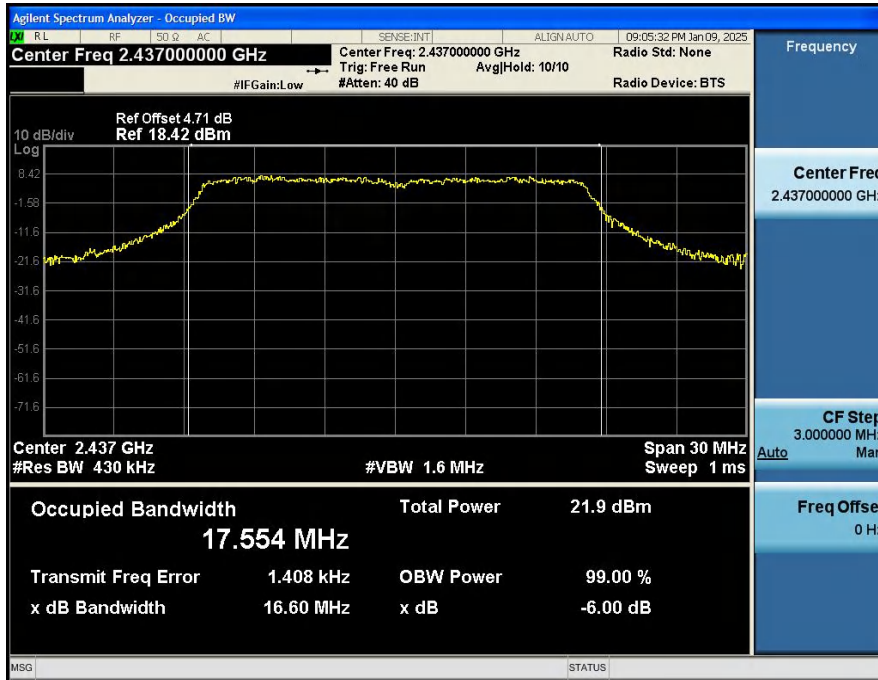
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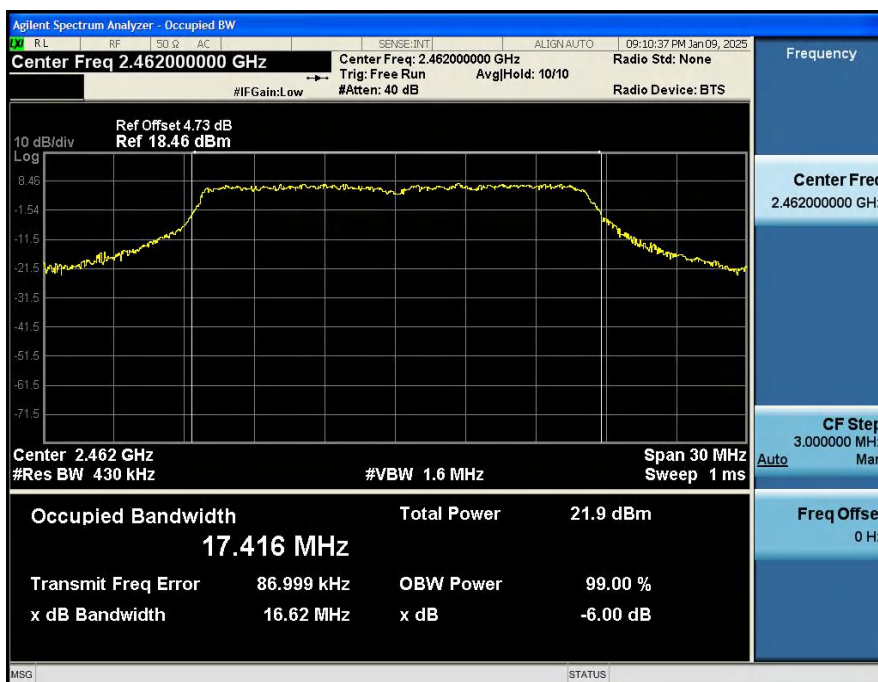
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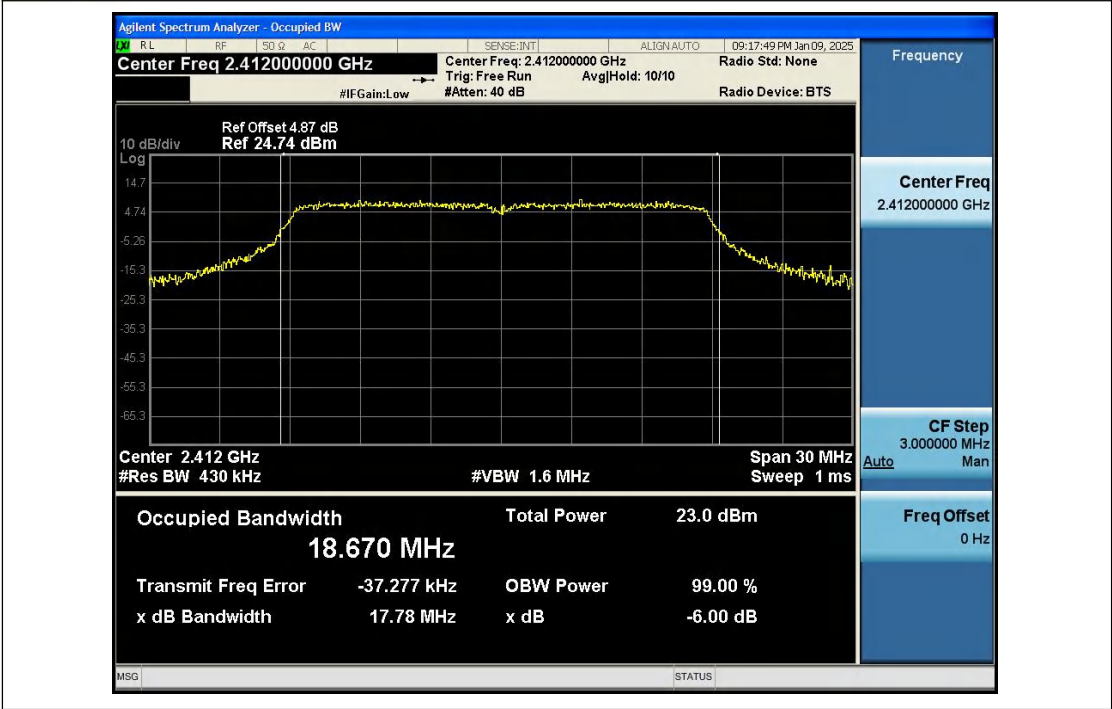
-6dB_Bandwidth_NVNT_ANT1_802_11g_2437



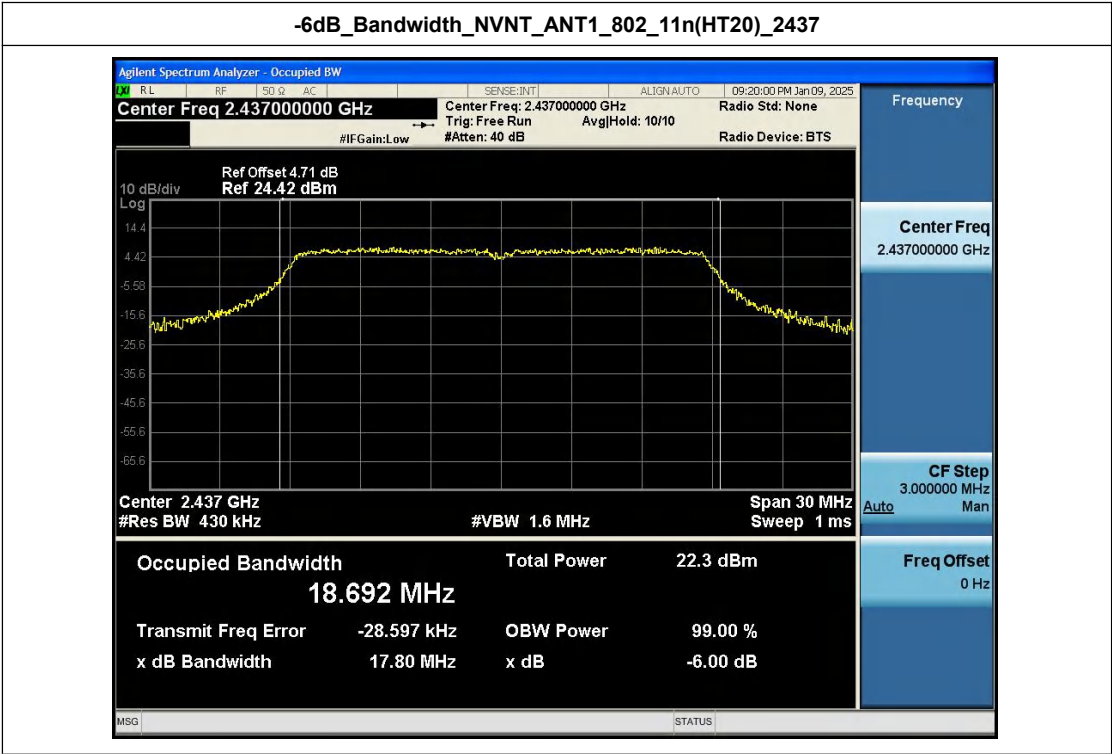
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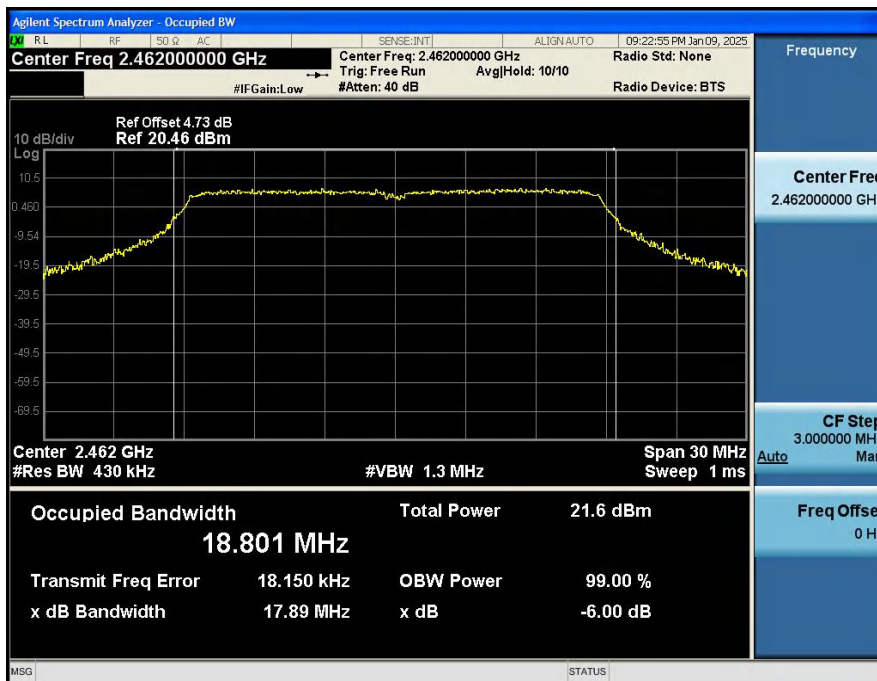
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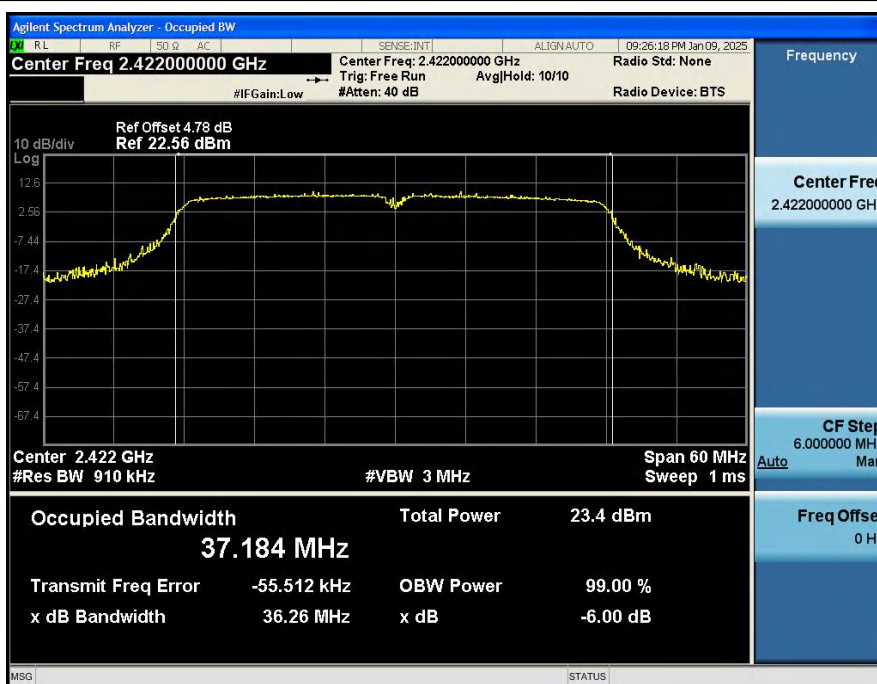
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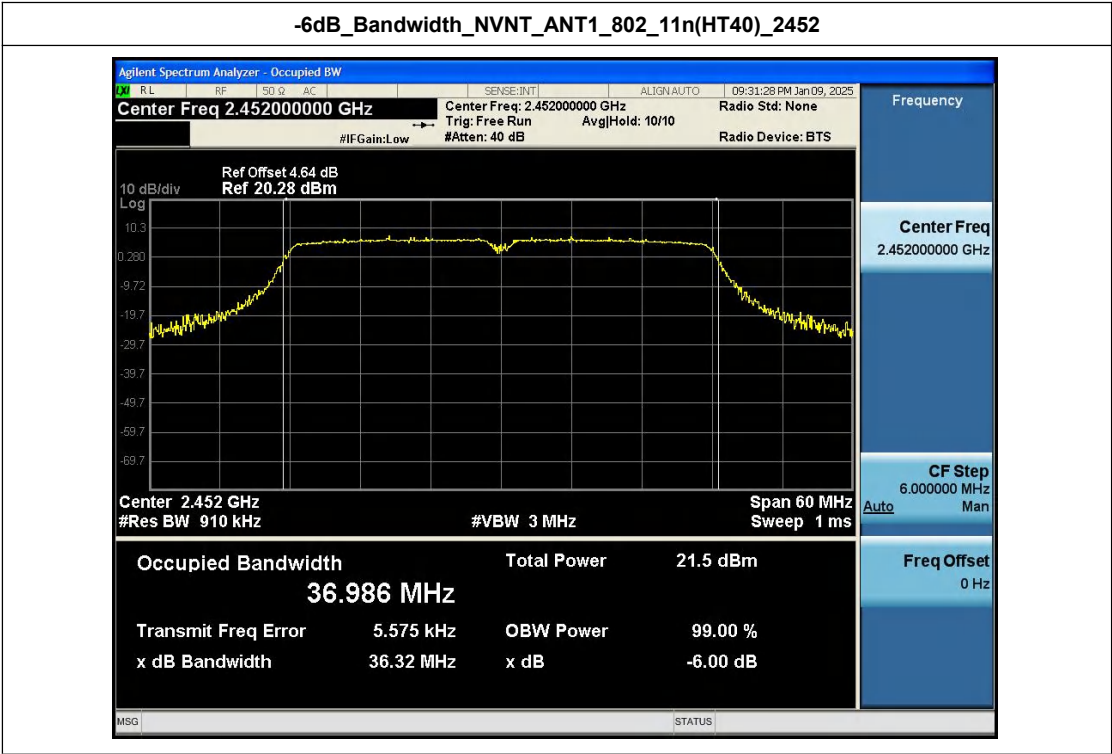
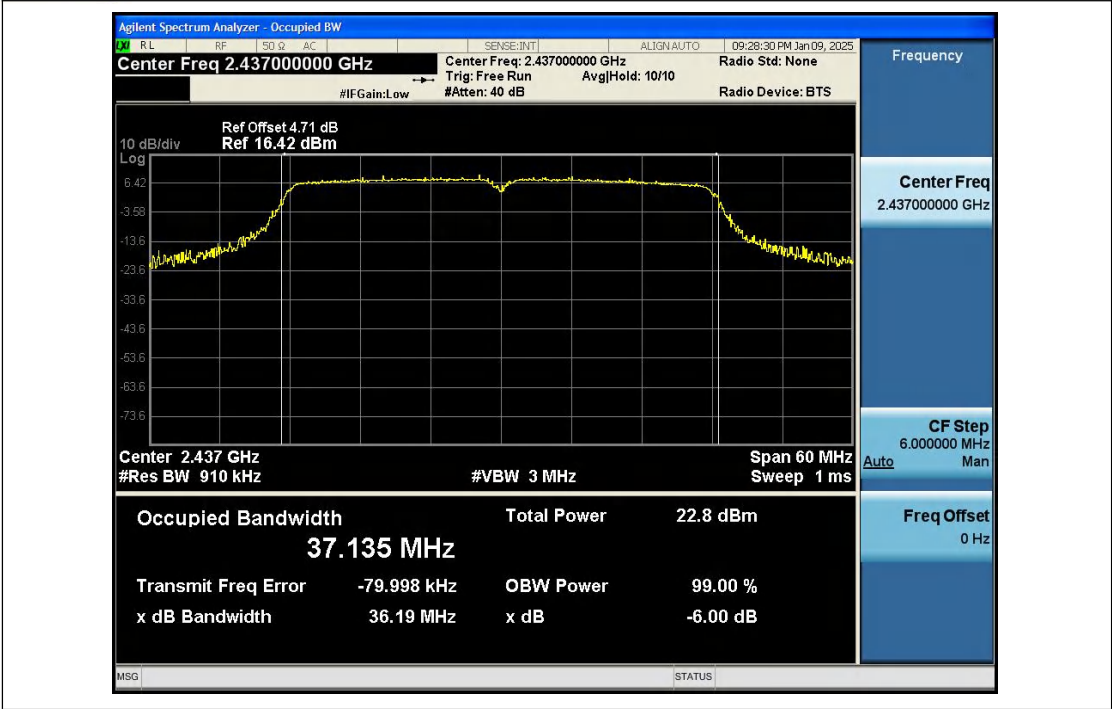
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462



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



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



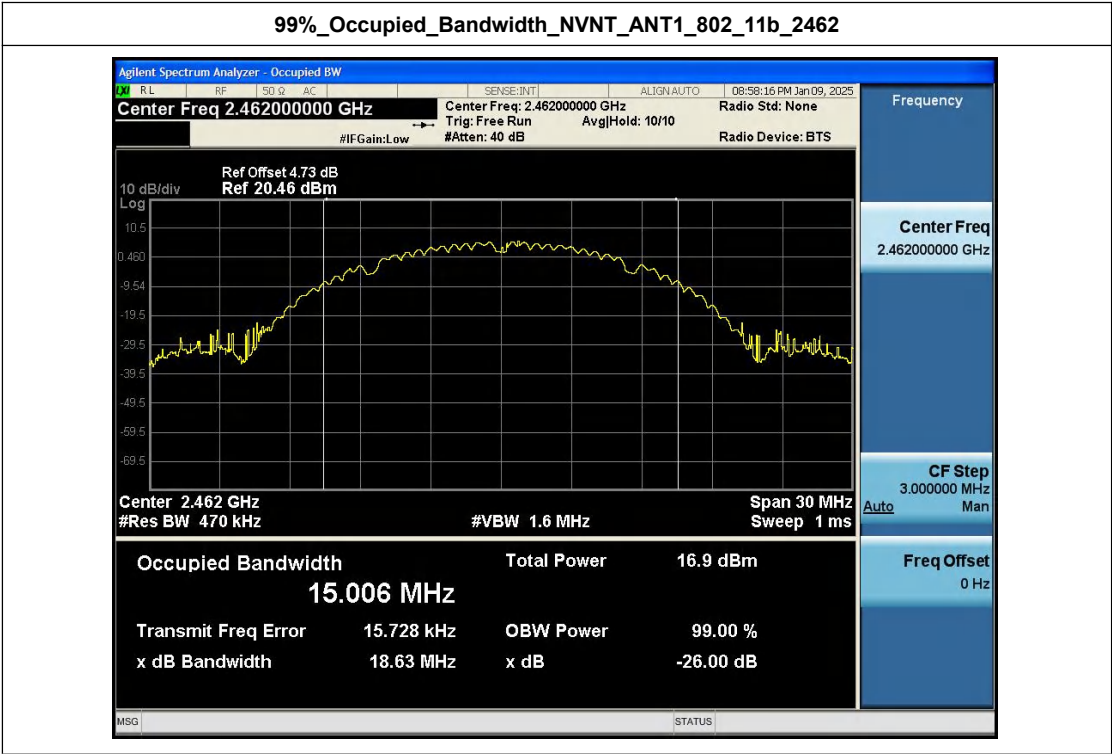
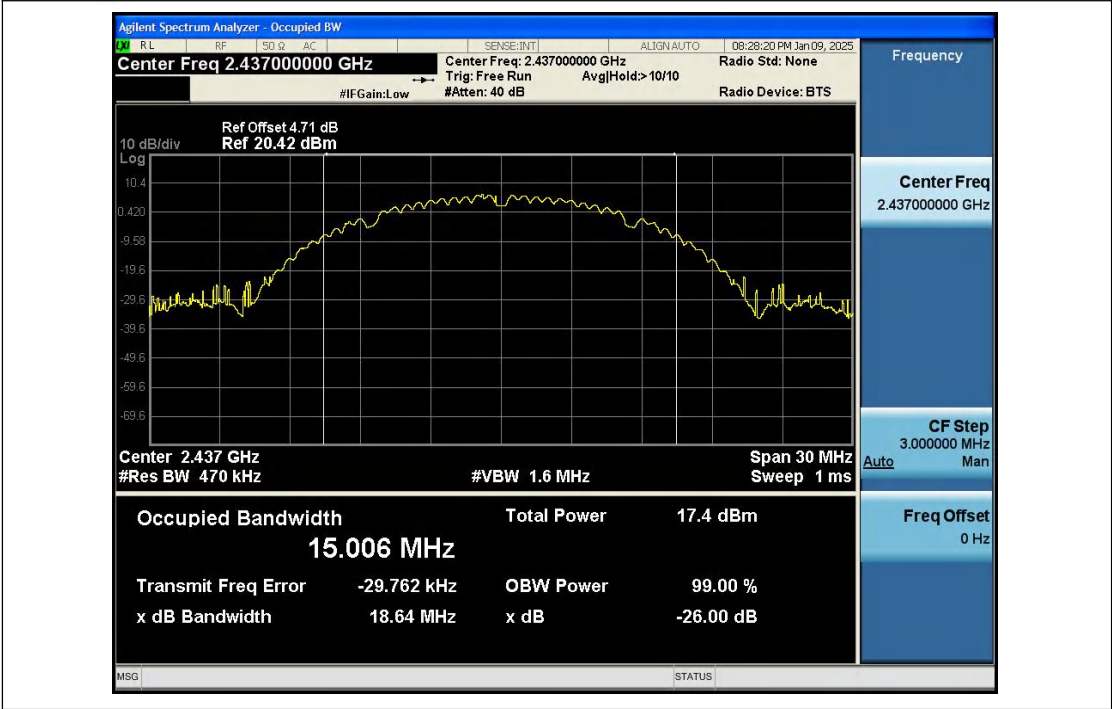
Appendix B: 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	802.11b	2412.00	14.997
NVNT	ANT1	802.11b	2437.00	15.006
NVNT	ANT1	802.11b	2462.00	15.006
NVNT	ANT1	802.11g	2412.00	18.059
NVNT	ANT1	802.11g	2437.00	17.988
NVNT	ANT1	802.11g	2462.00	17.682
NVNT	ANT1	802.11n(HT20)	2412.00	19.293
NVNT	ANT1	802.11n(HT20)	2437.00	19.191
NVNT	ANT1	802.11n(HT20)	2462.00	19.133
NVNT	ANT1	802.11n(HT40)	2422.00	37.265
NVNT	ANT1	802.11n(HT40)	2437.00	37.240
NVNT	ANT1	802.11n(HT40)	2452.00	37.165

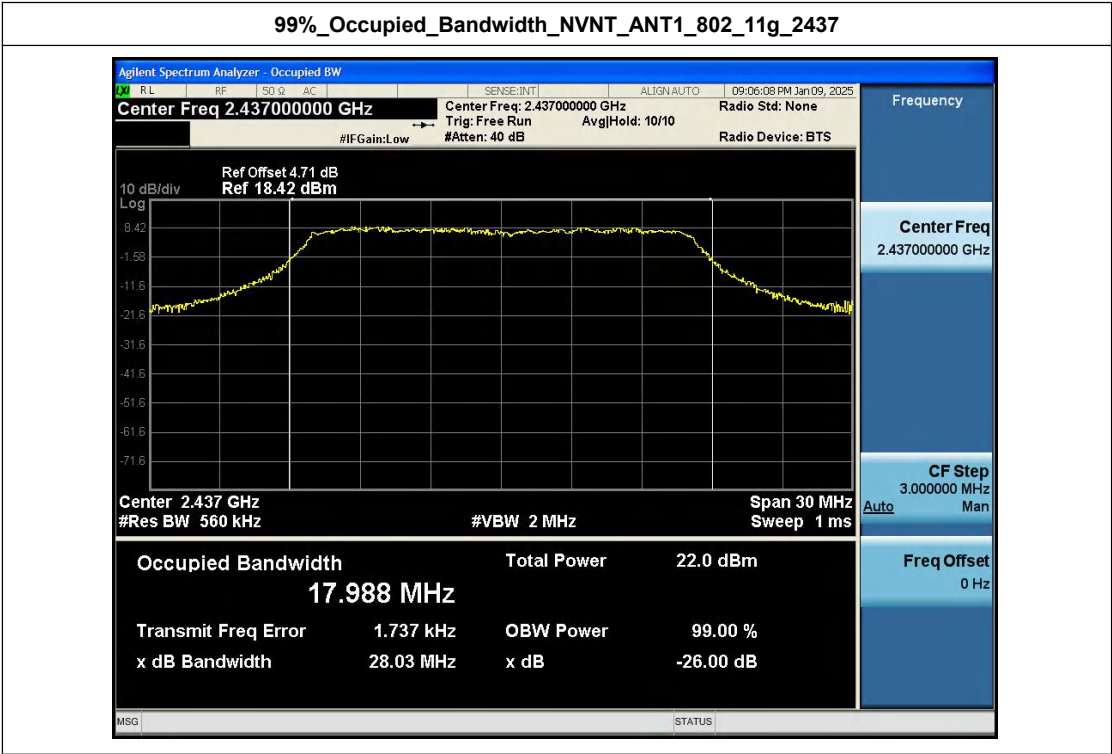
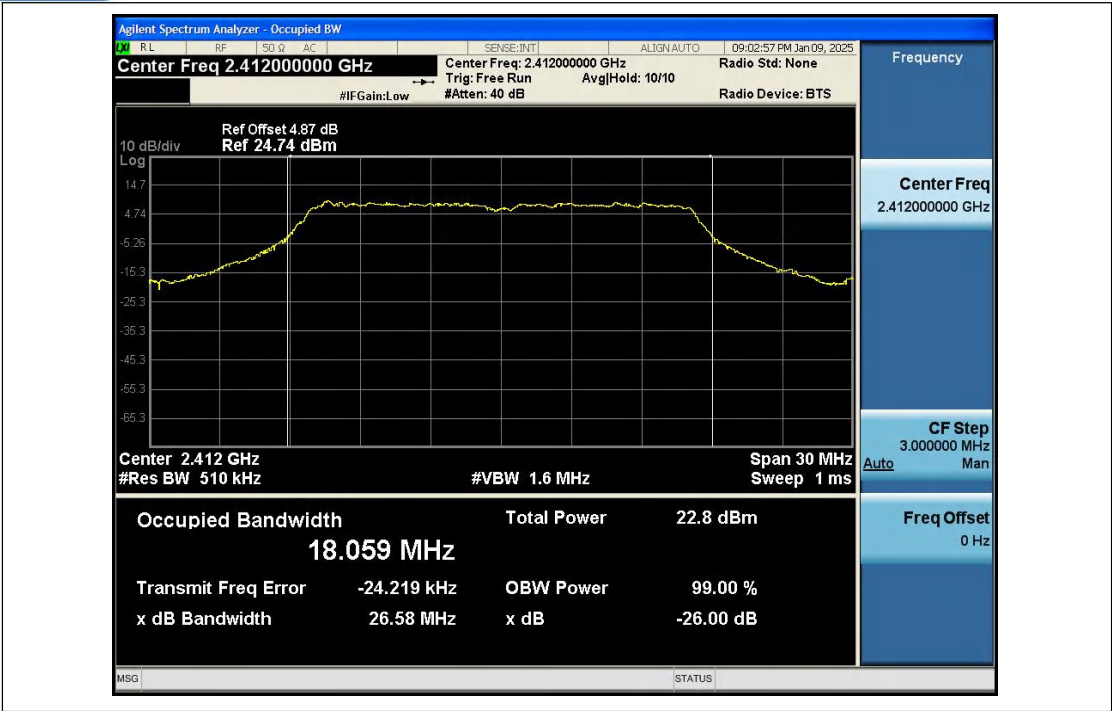
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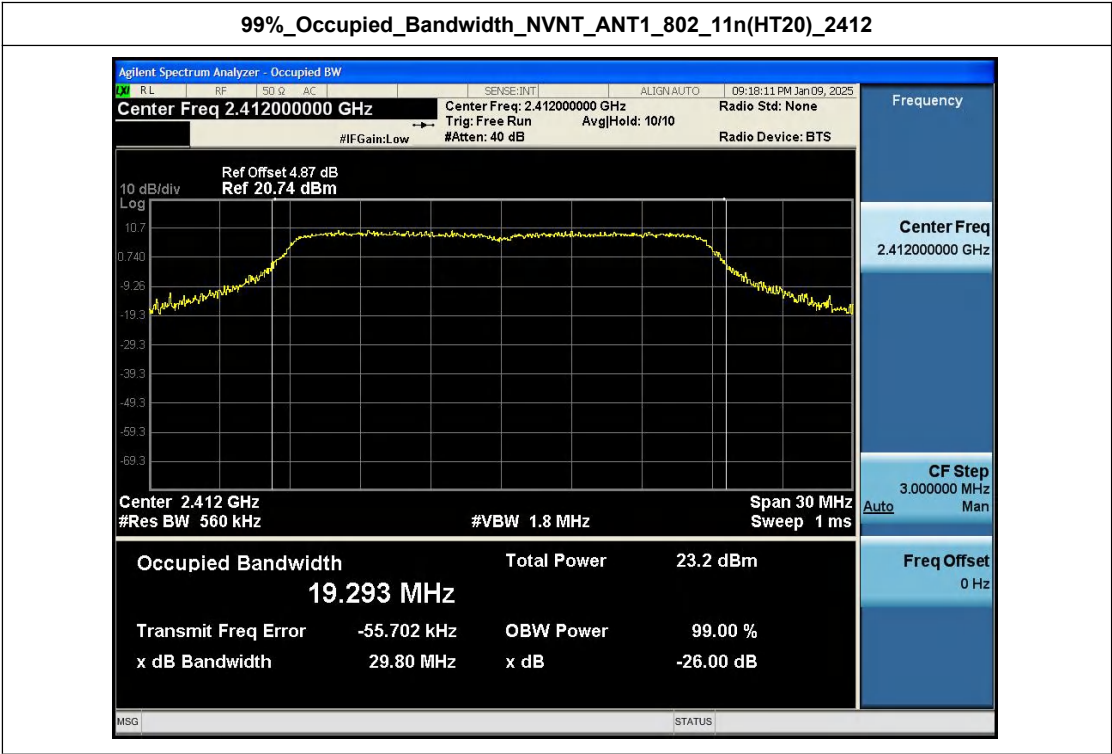
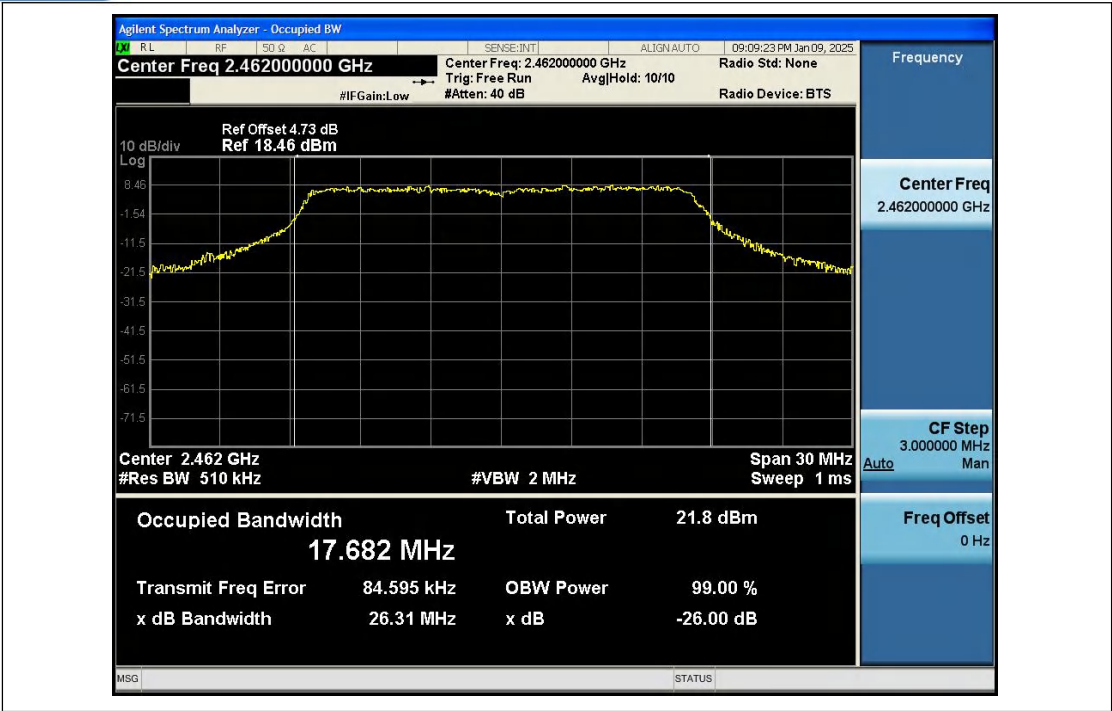
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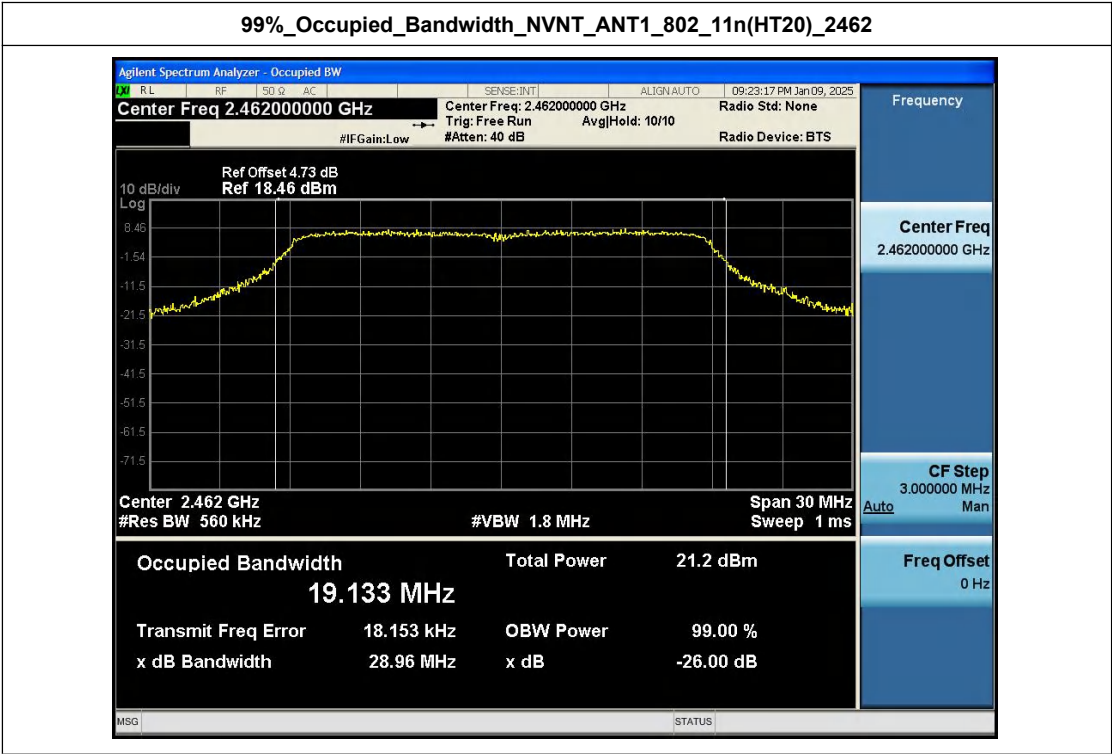
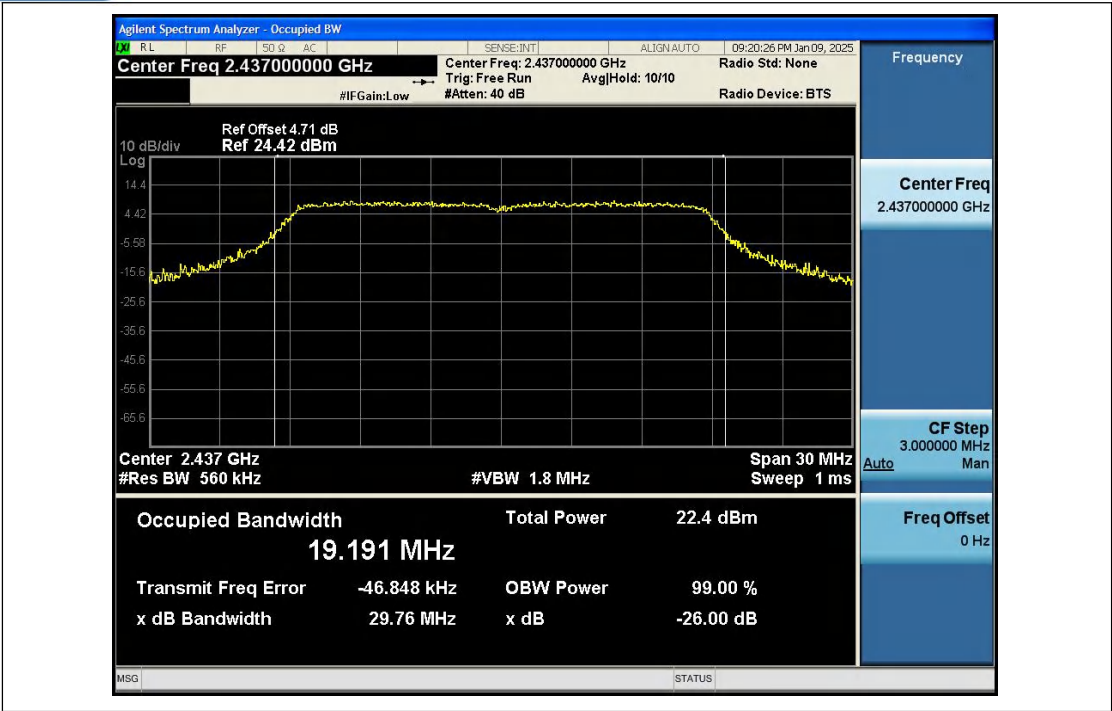
99%_Occupied_Bandwidth_NVNT_ANT1_802_11g_2412



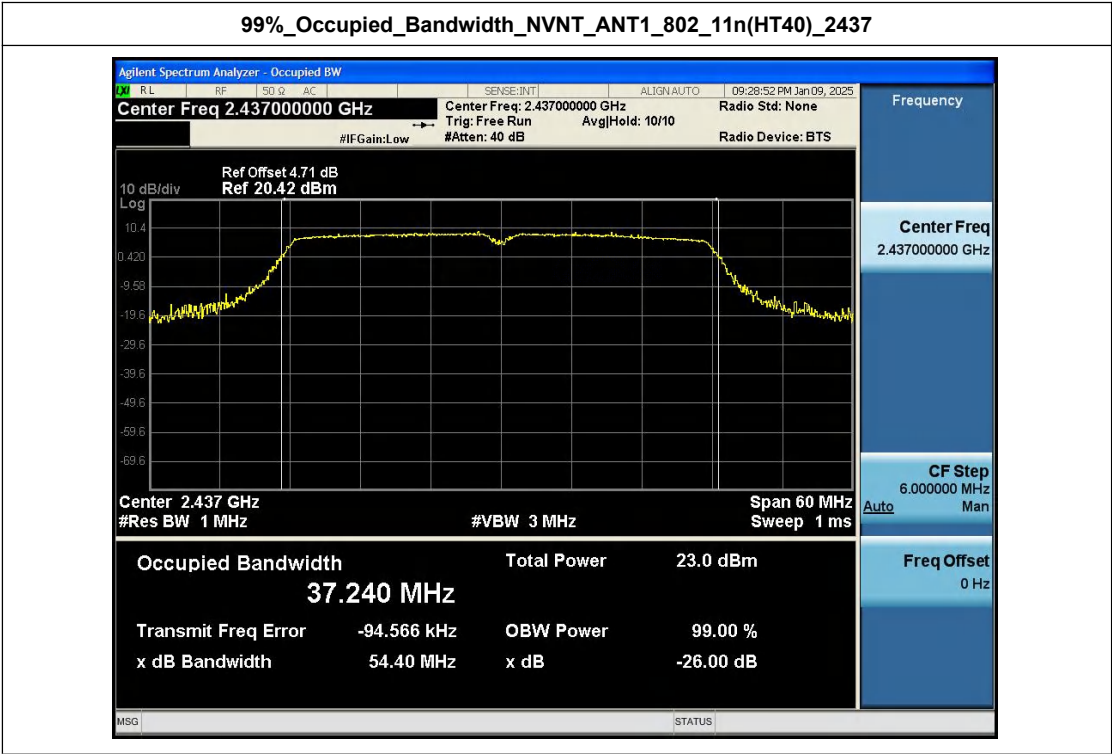
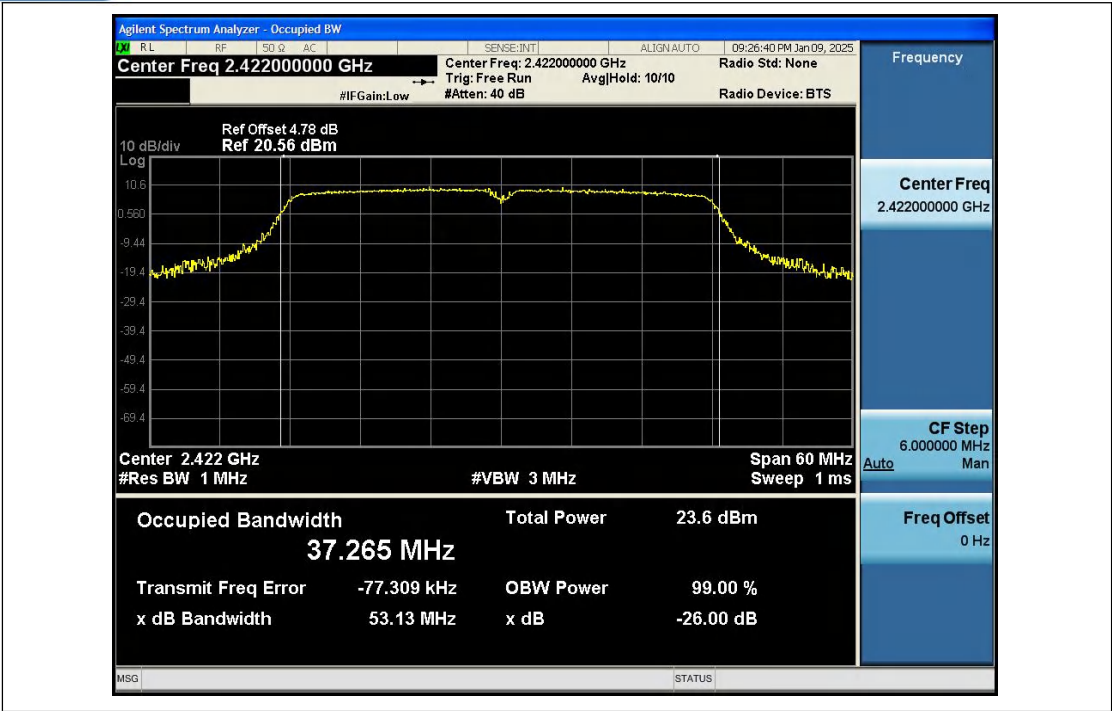
99%_Occupied_Bandwidth_NVNT_ANT1_802_11g_2462



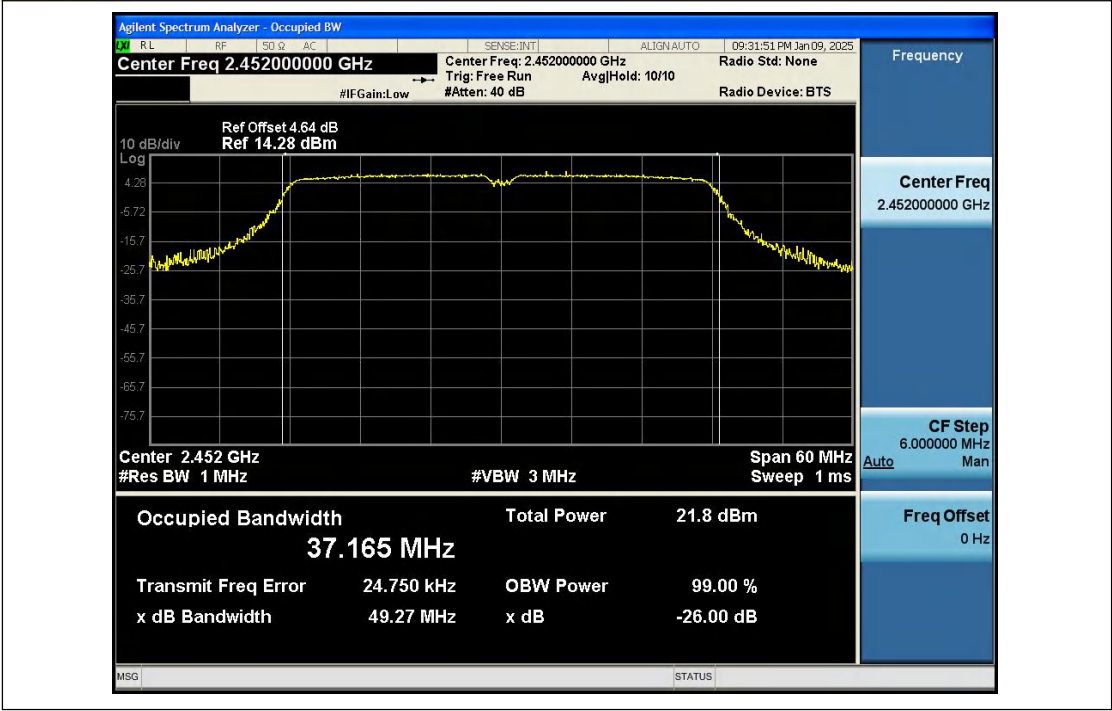
99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452



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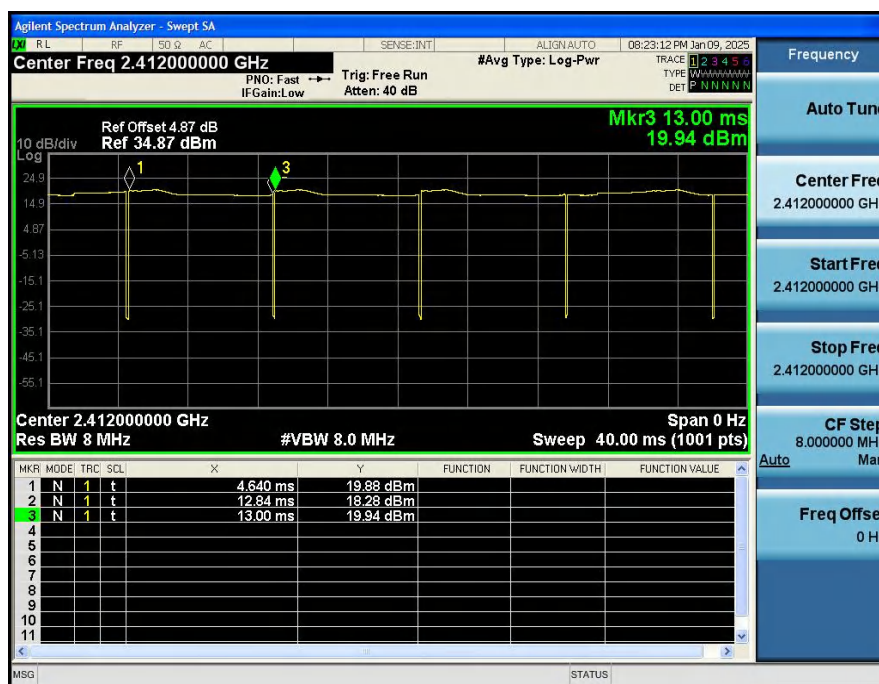
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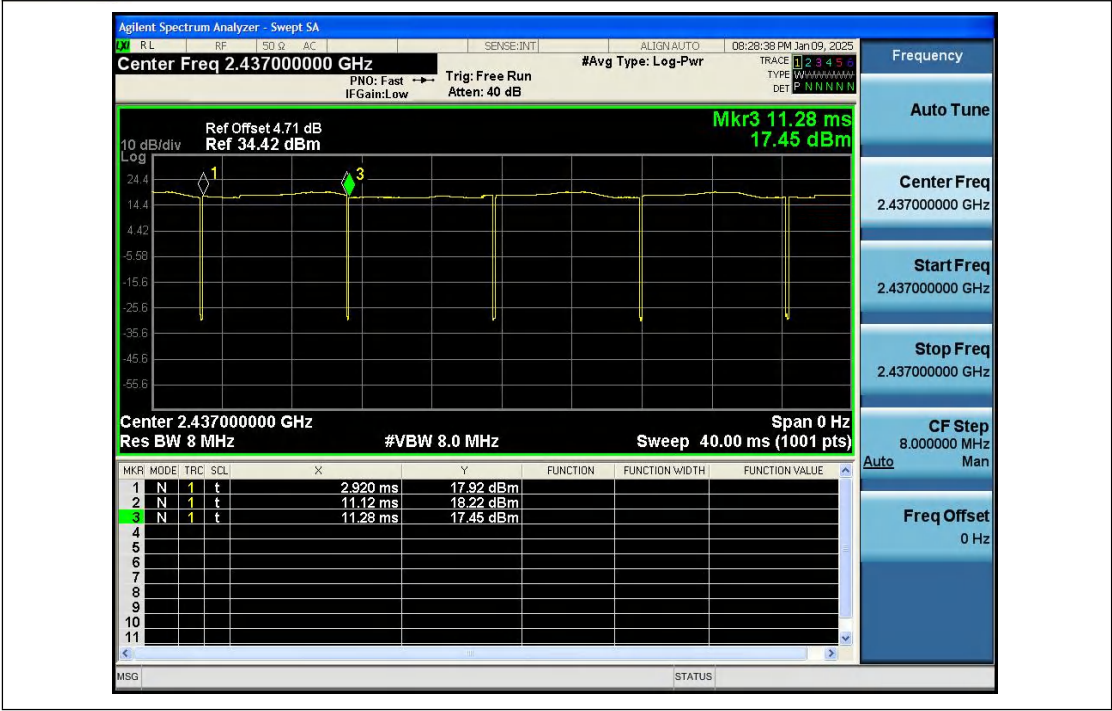
Appendix C: Duty Cycle

Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	98.56	0.00
NVNT	ANT1	802.11b	2437.00	98.56	0.00
NVNT	ANT1	802.11b	2462.00	98.56	0.00
NVNT	ANT1	802.11g	2412.00	89.61	0.48
NVNT	ANT1	802.11g	2437.00	89.61	0.48
NVNT	ANT1	802.11g	2462.00	89.61	0.48
NVNT	ANT1	802.11n(HT20)	2412.00	96.96	0.13
NVNT	ANT1	802.11n(HT20)	2437.00	96.96	0.13
NVNT	ANT1	802.11n(HT20)	2462.00	97.34	0.12
NVNT	ANT1	802.11n(HT40)	2422.00	94.70	0.24
NVNT	ANT1	802.11n(HT40)	2437.00	93.94	0.27
NVNT	ANT1	802.11n(HT40)	2452.00	94.70	0.24

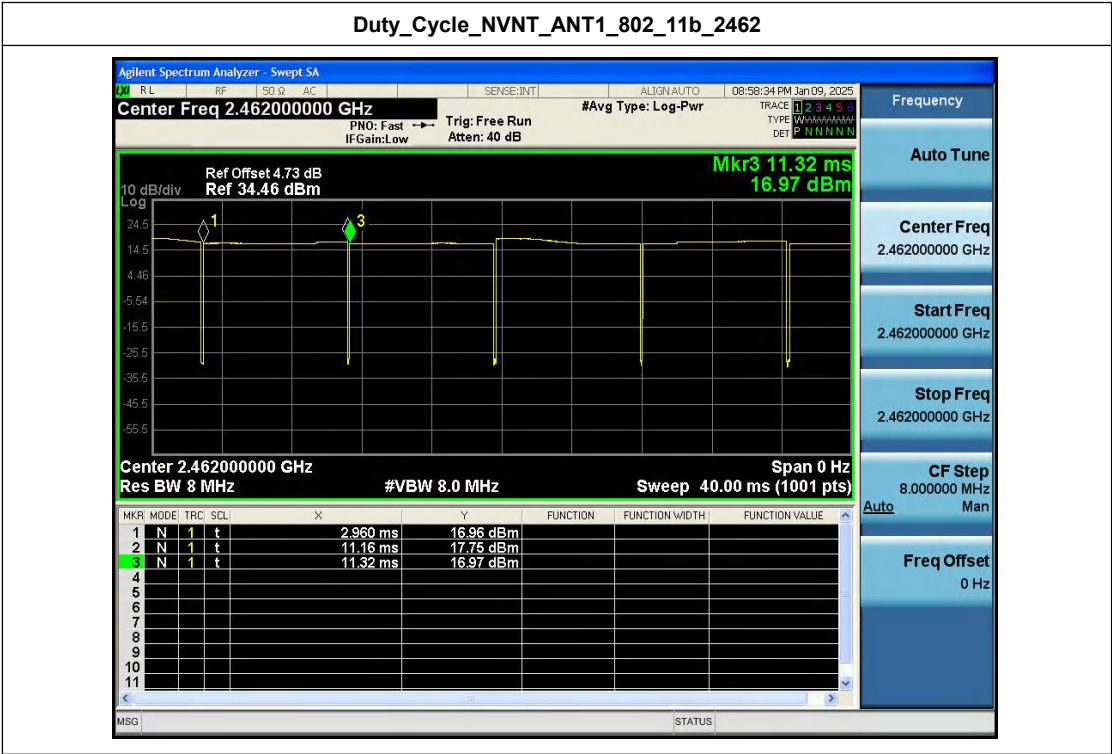
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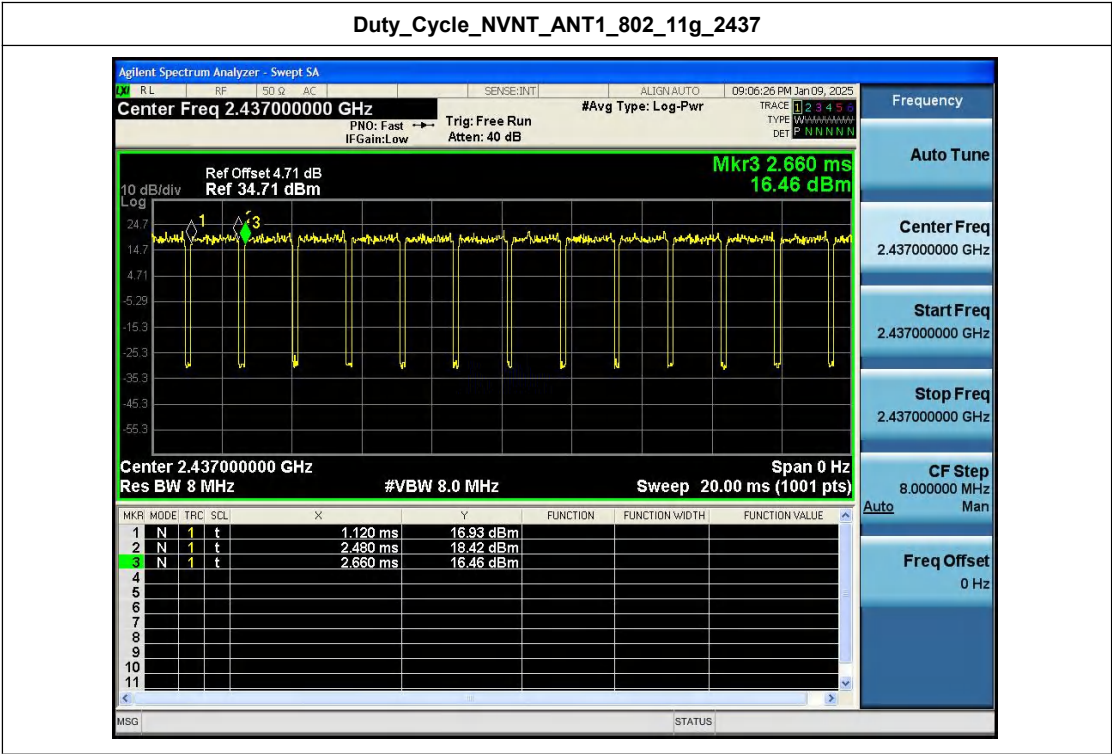
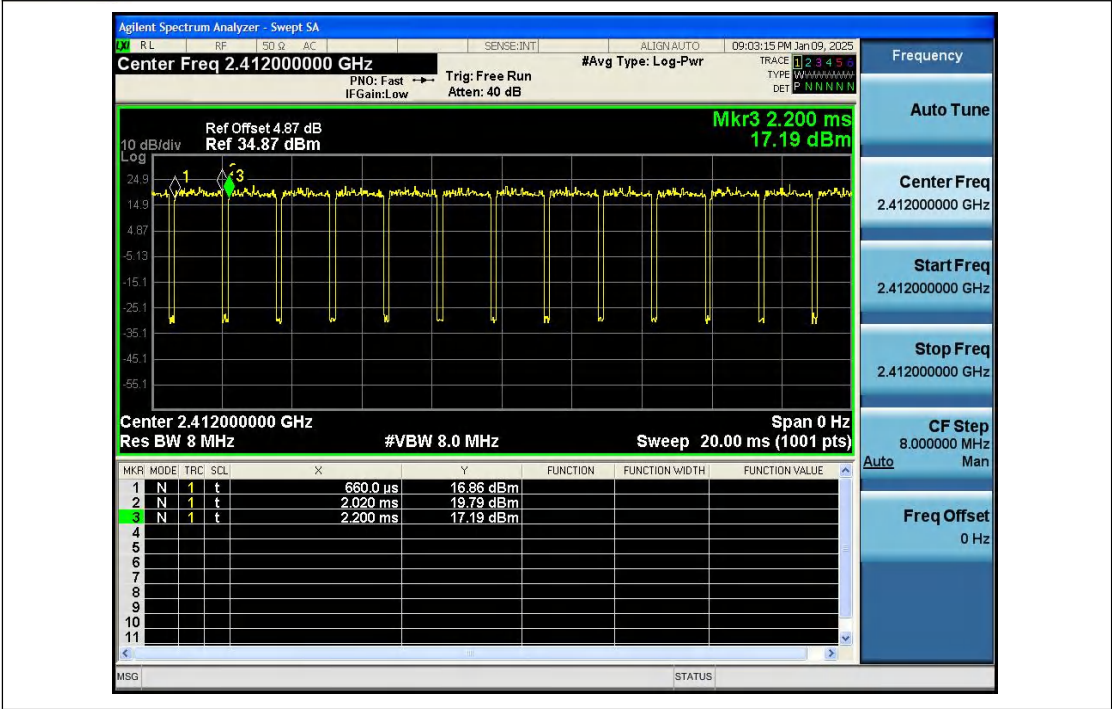
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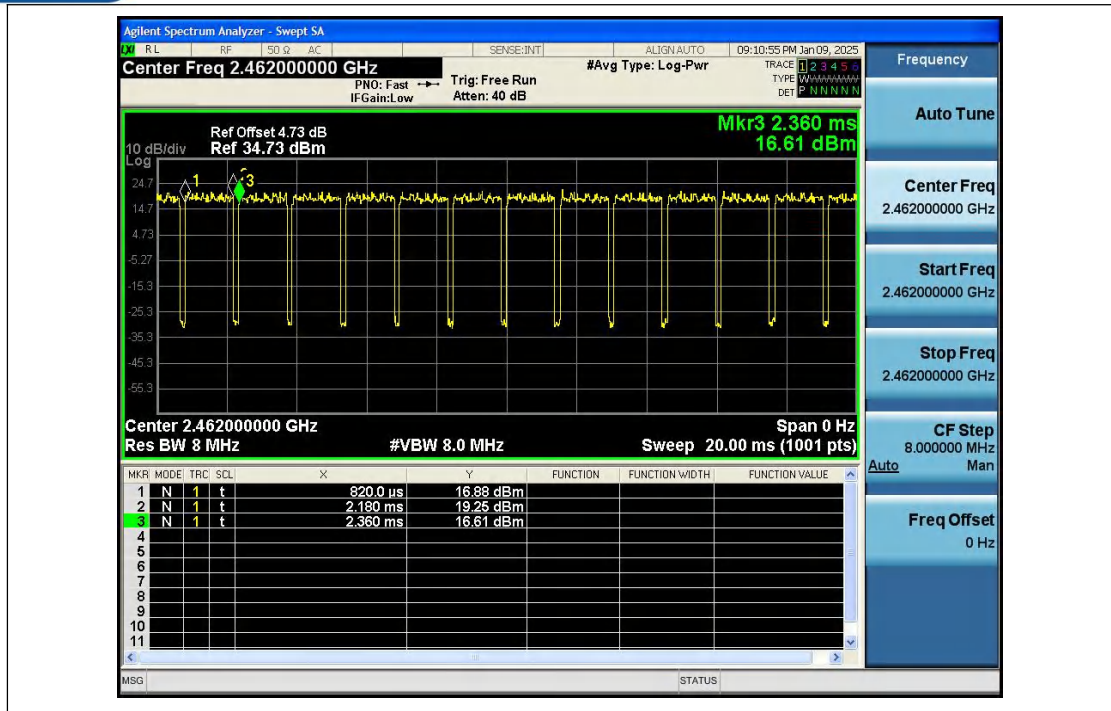
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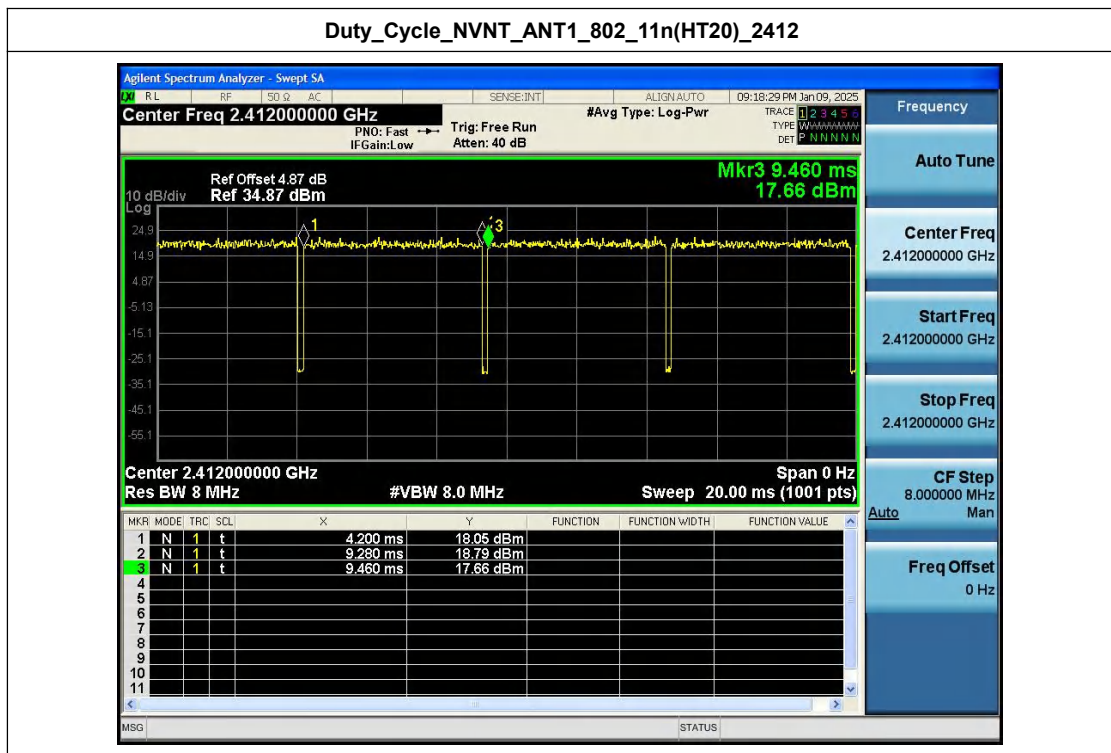
Duty_Cycle_NVNT_ANT1_802_11g_2412



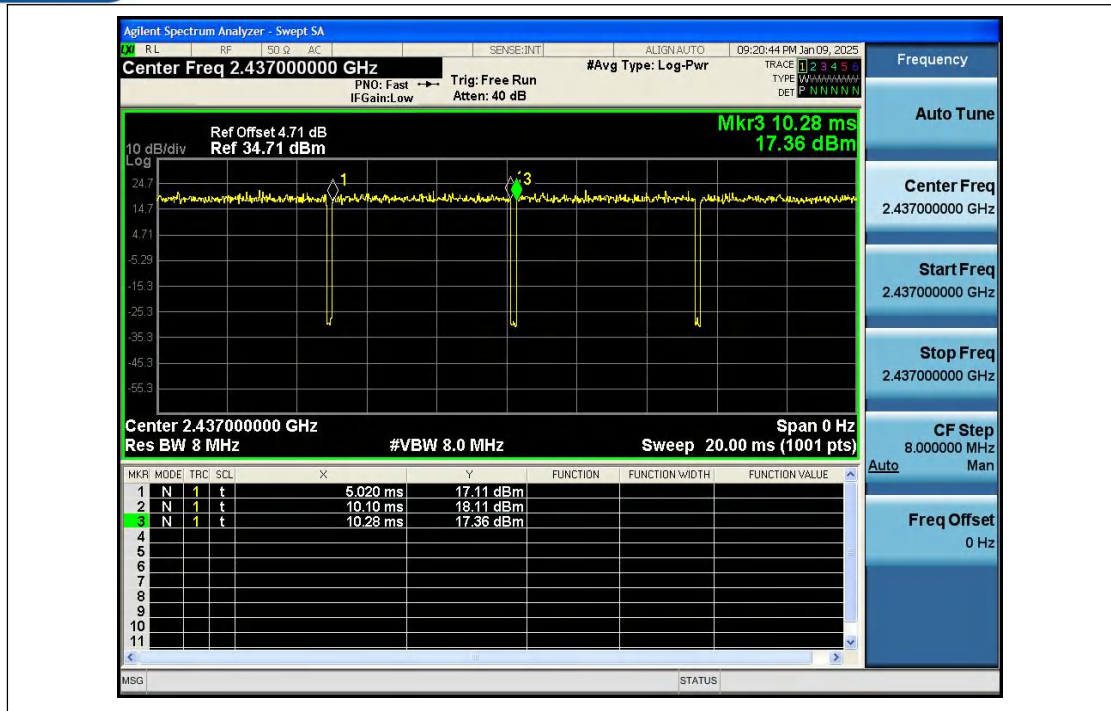
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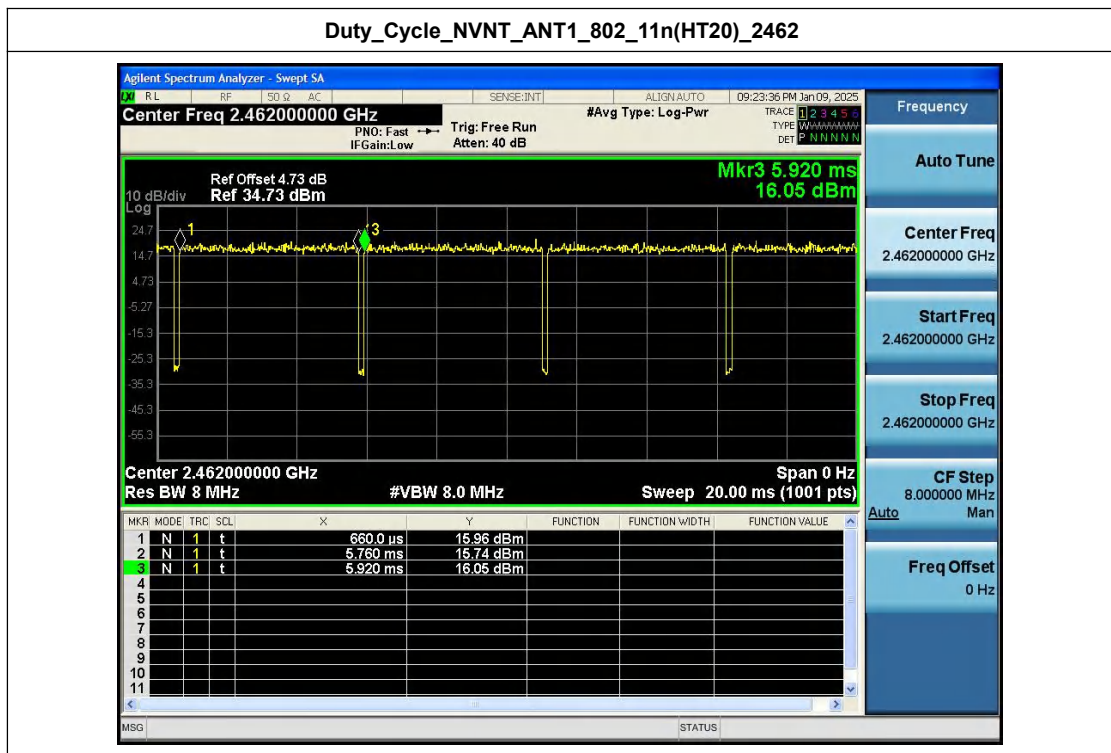
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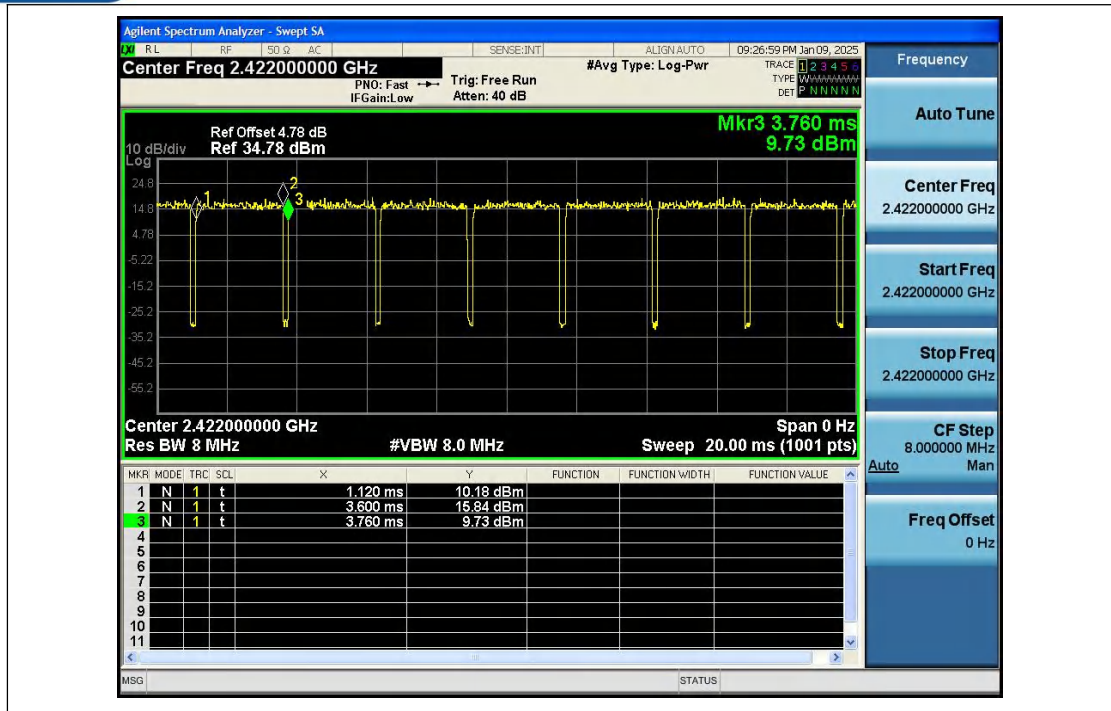
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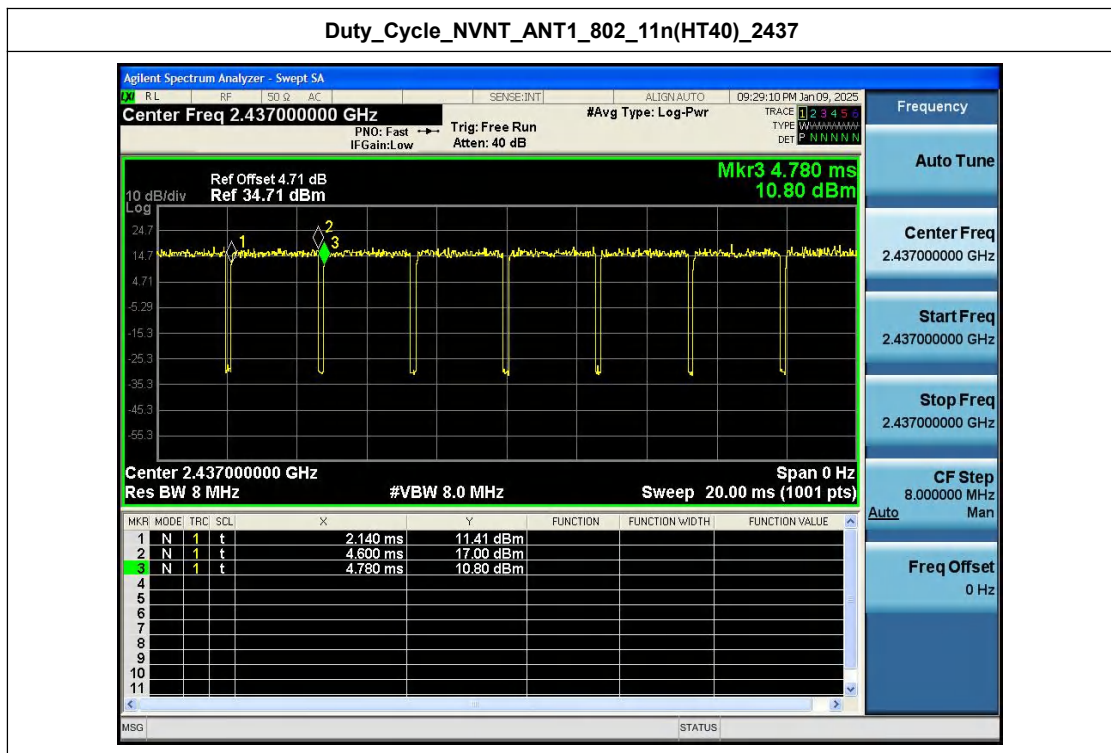
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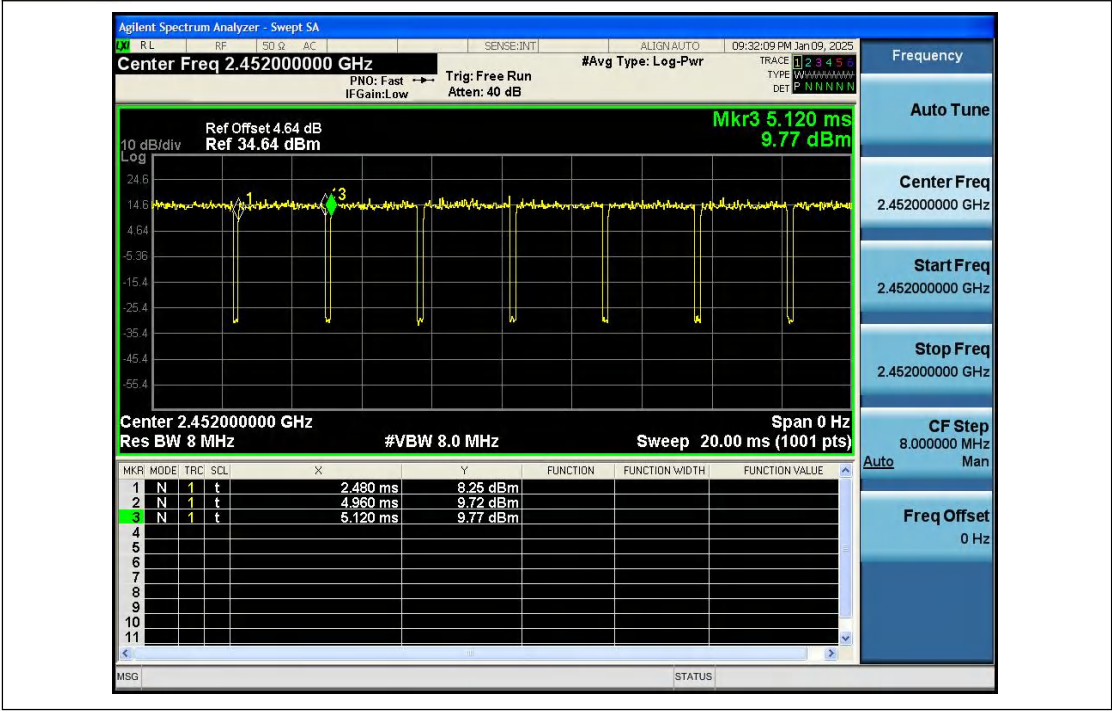
Duty_Cycle_NVNT_ANT1_802_11n(HT40)_2422



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	15.38	0.00	15.38	30	Pass
NVNT	ANT1	802.11b	2437.00	RMS	14.59	0.00	14.59	30	Pass
NVNT	ANT1	802.11b	2462.00	RMS	14.07	0.00	14.07	30	Pass
NVNT	ANT1	802.11g	2412.00	RMS	15.11	0.48	15.59	30	Pass
NVNT	ANT1	802.11g	2437.00	RMS	14.55	0.48	15.03	30	Pass
NVNT	ANT1	802.11g	2462.00	RMS	14.50	0.48	14.98	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	RMS	15.94	0.13	16.07	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	RMS	15.17	0.13	15.30	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	RMS	14.10	0.12	14.22	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	RMS	15.13	0.24	15.37	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	RMS	14.68	0.27	14.95	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	RMS	13.49	0.24	13.73	30	Pass

Note: The cable loss are compensated in the graph.

MAX_Output_Power_NVNT_ANT1_802_11b_2412



MAX_Output_Power_NVNT_ANT1_802_11b_2437

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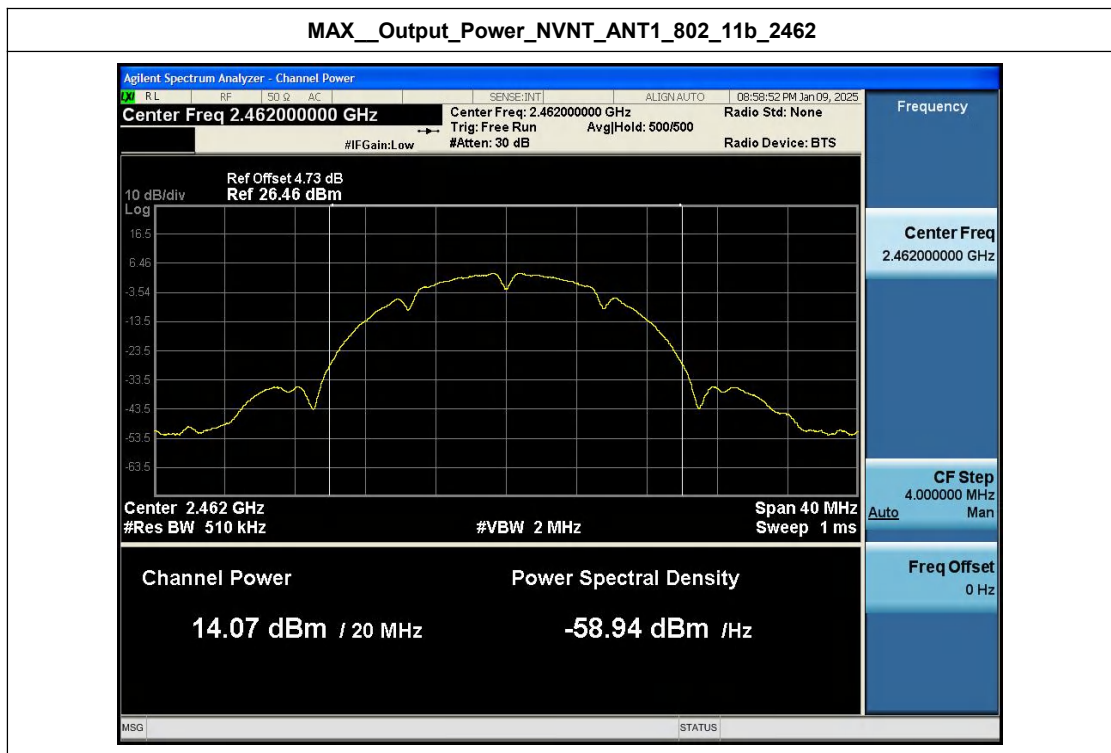
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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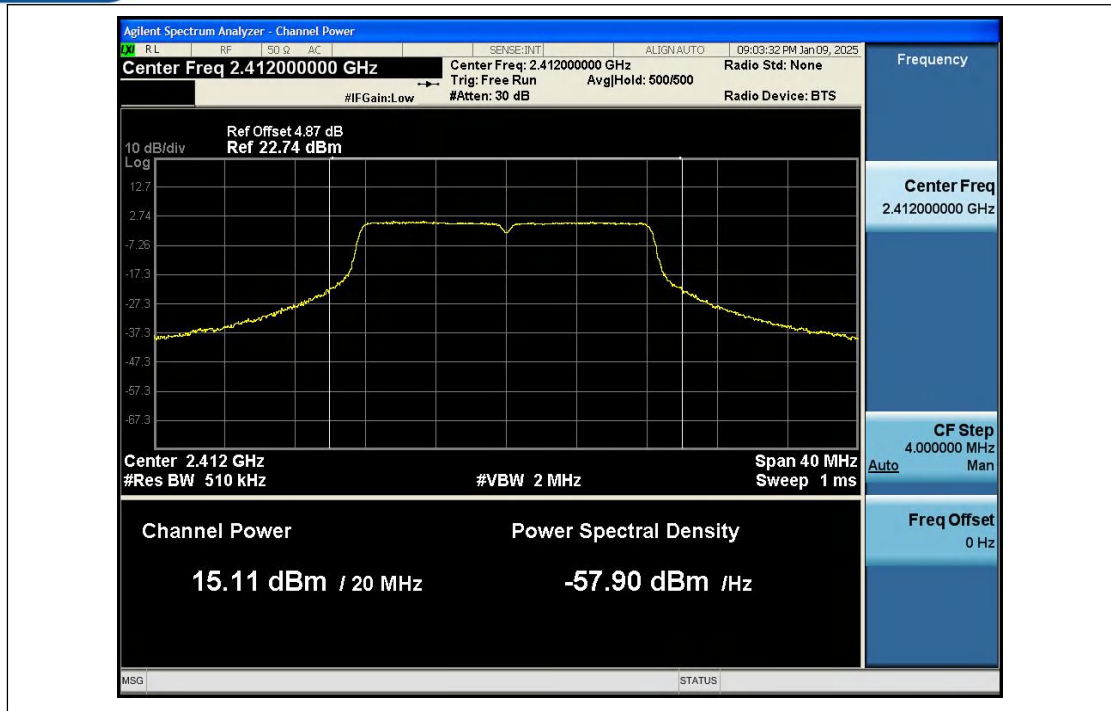
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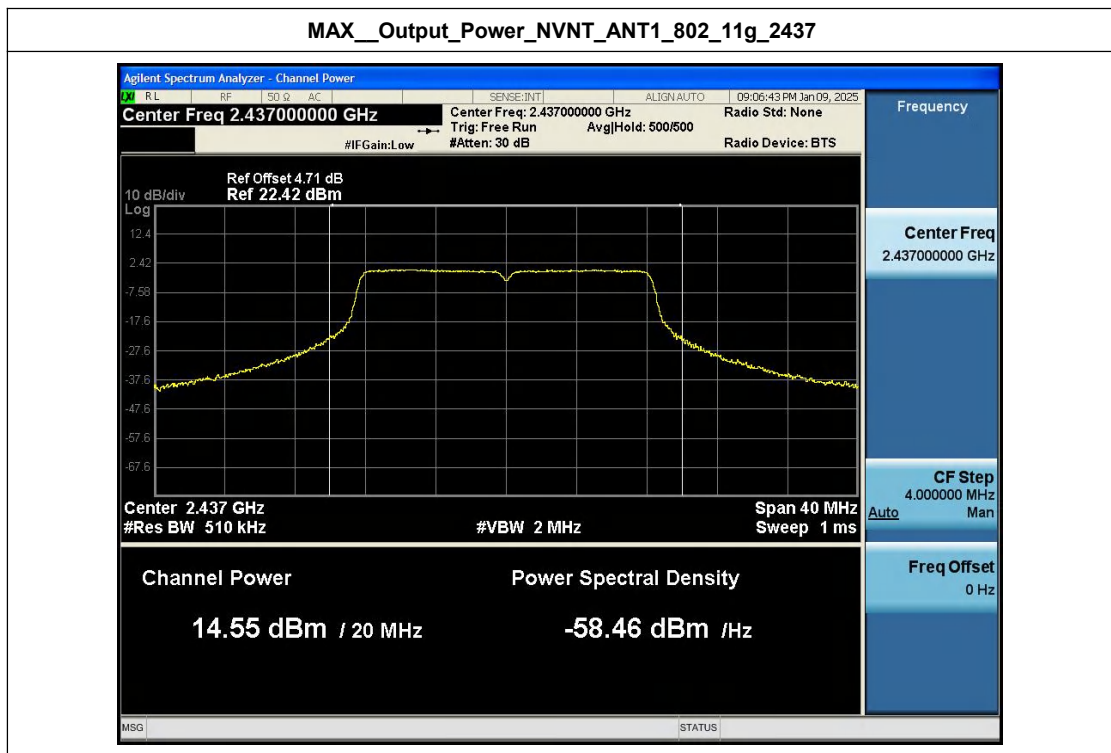
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MAX__Output_Power_NVNT_ANT1_802_11g_2412

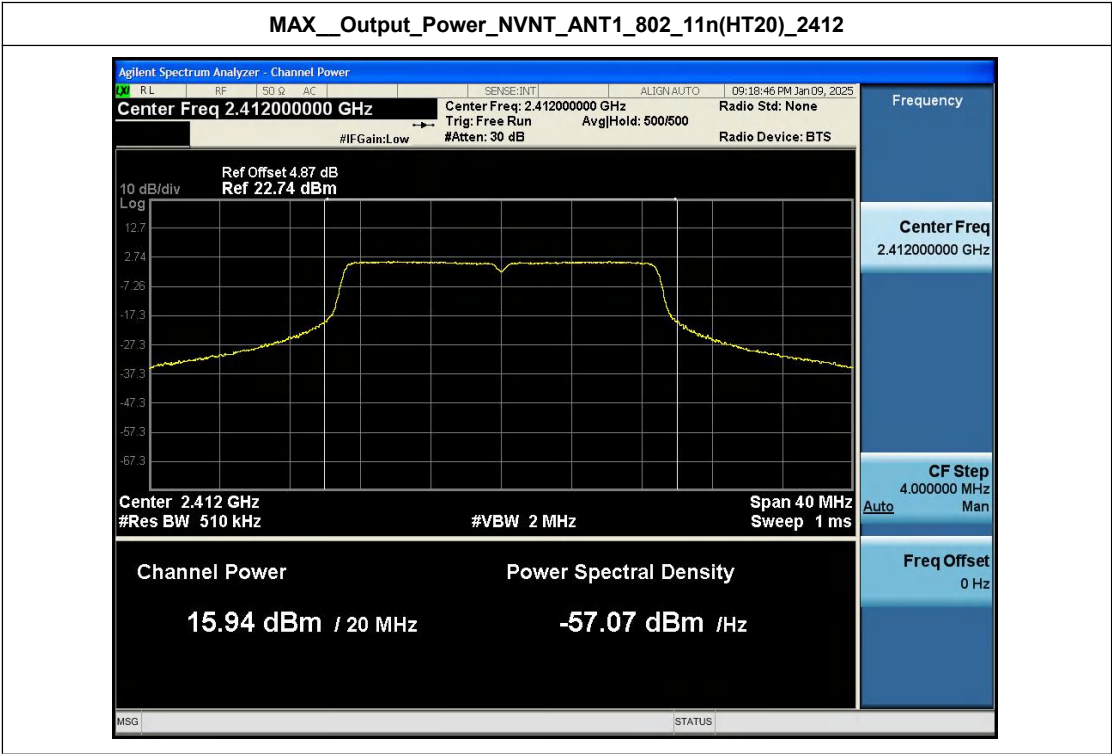
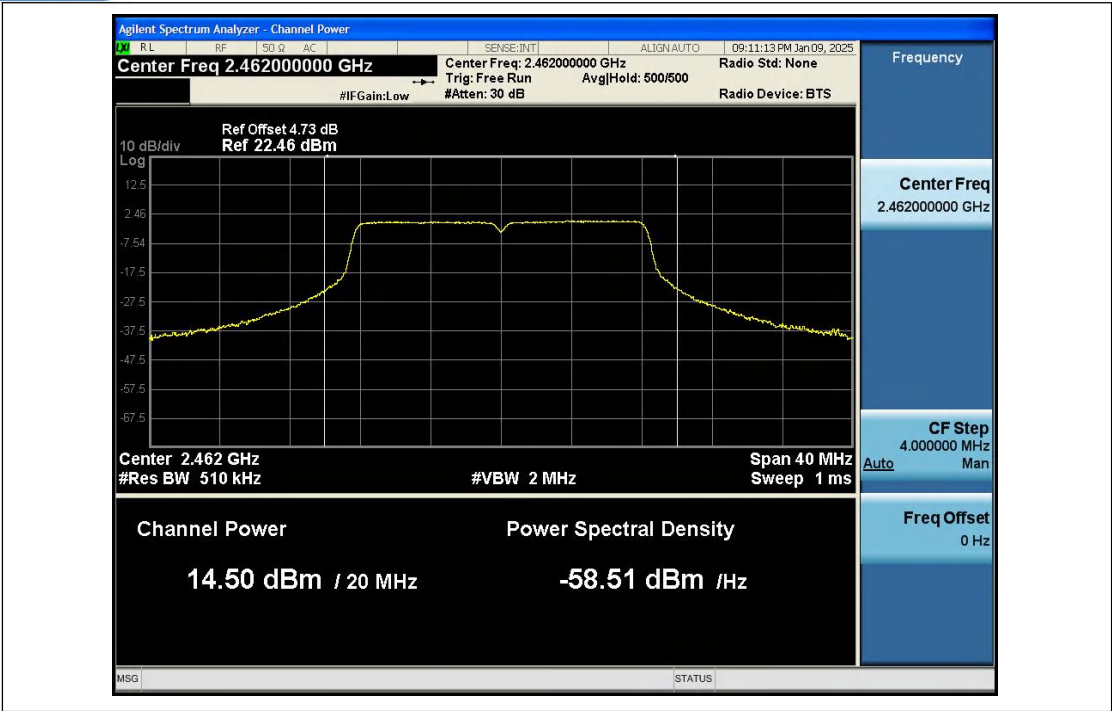


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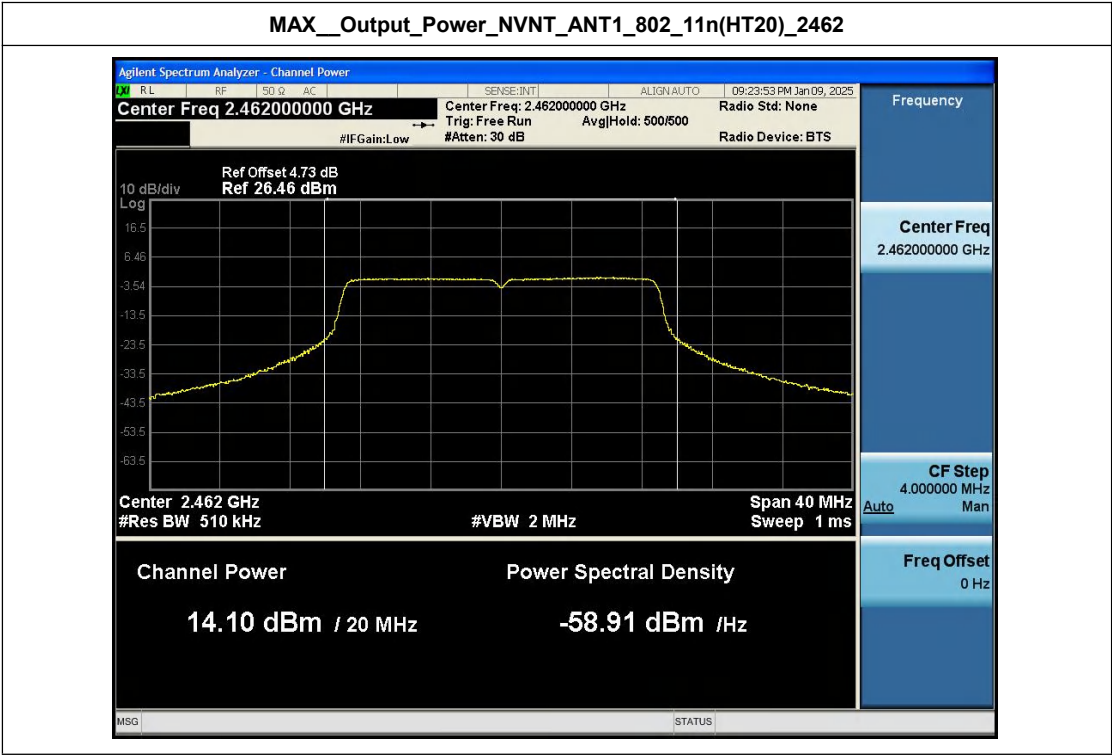
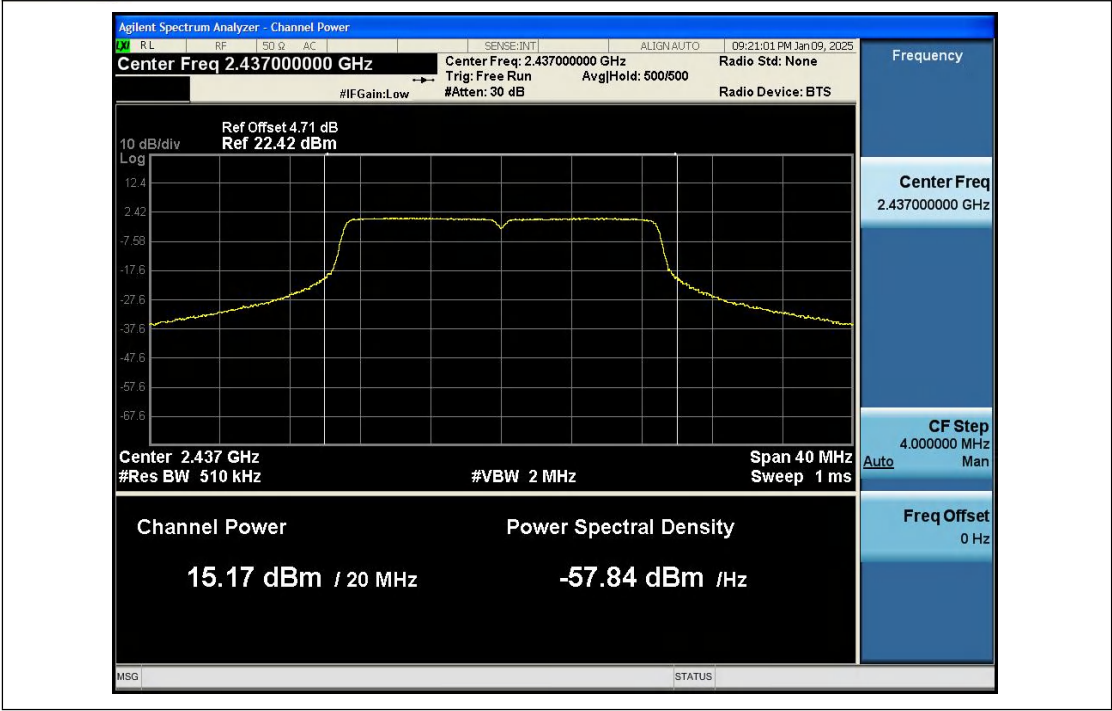


MAX__Output_Power_NVNT_ANT1_802_11g_2462





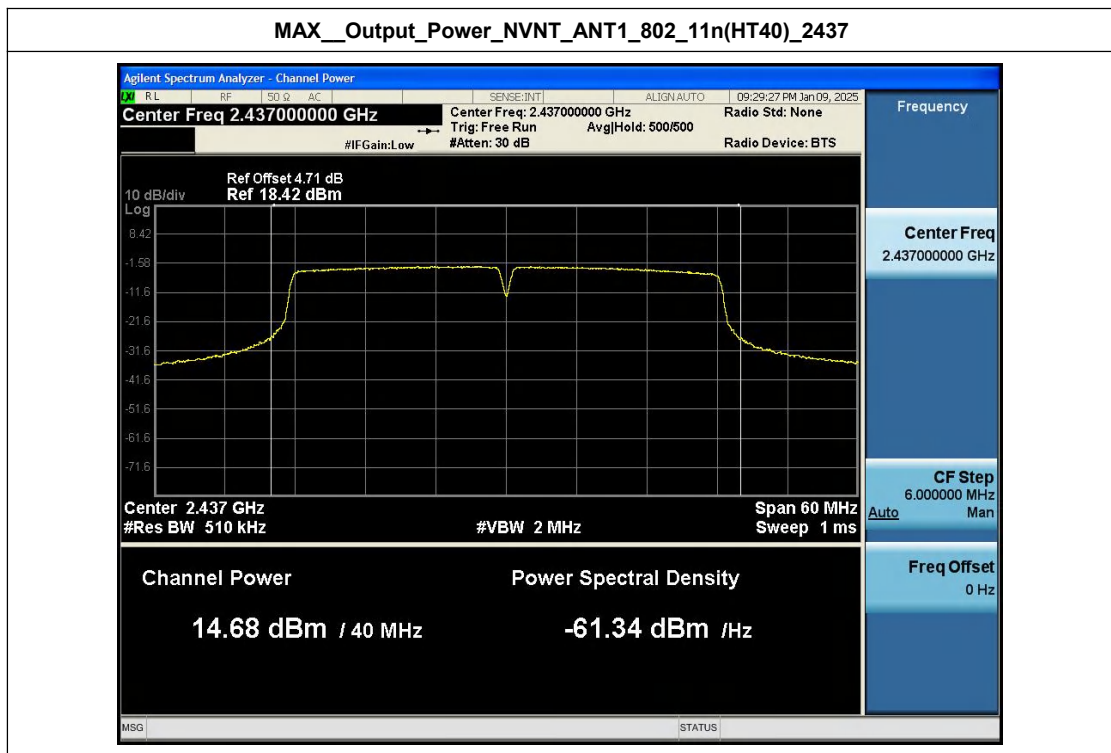
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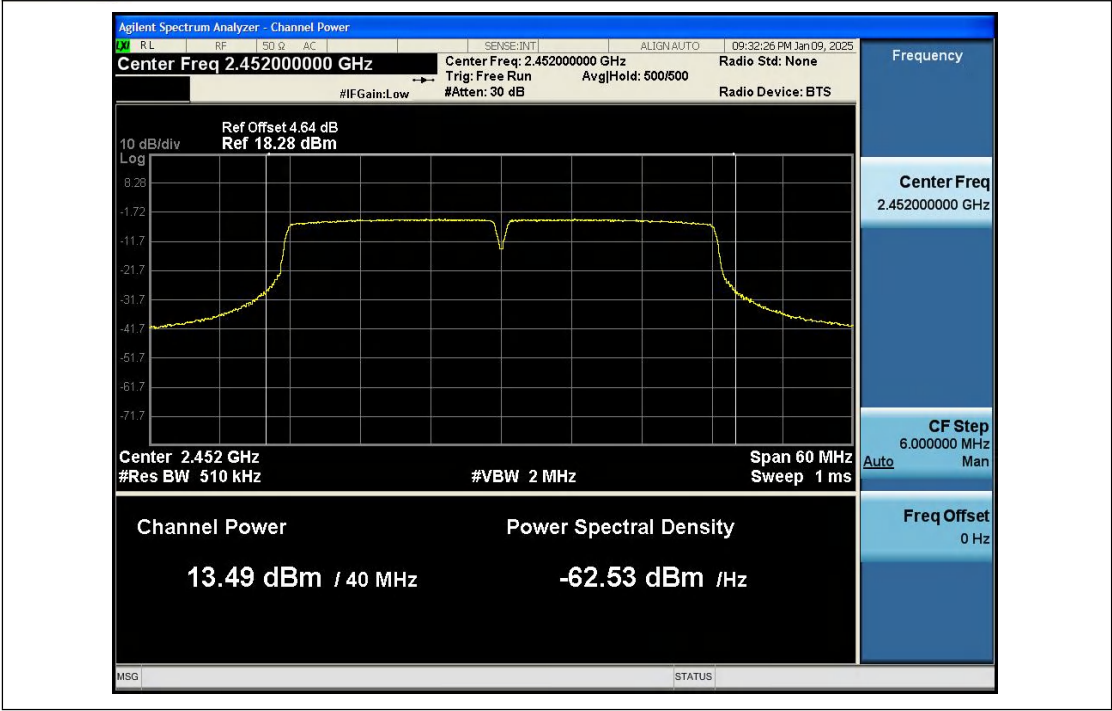
MAX__Output_Power_NVNT_ANT1_802_11n(HT40)_2422



MAX__Output_Power_NVNT_ANT1_802_11n(HT40)_2437



MAX__Output_Power_NVNT_ANT1_802_11n(HT40)_2452



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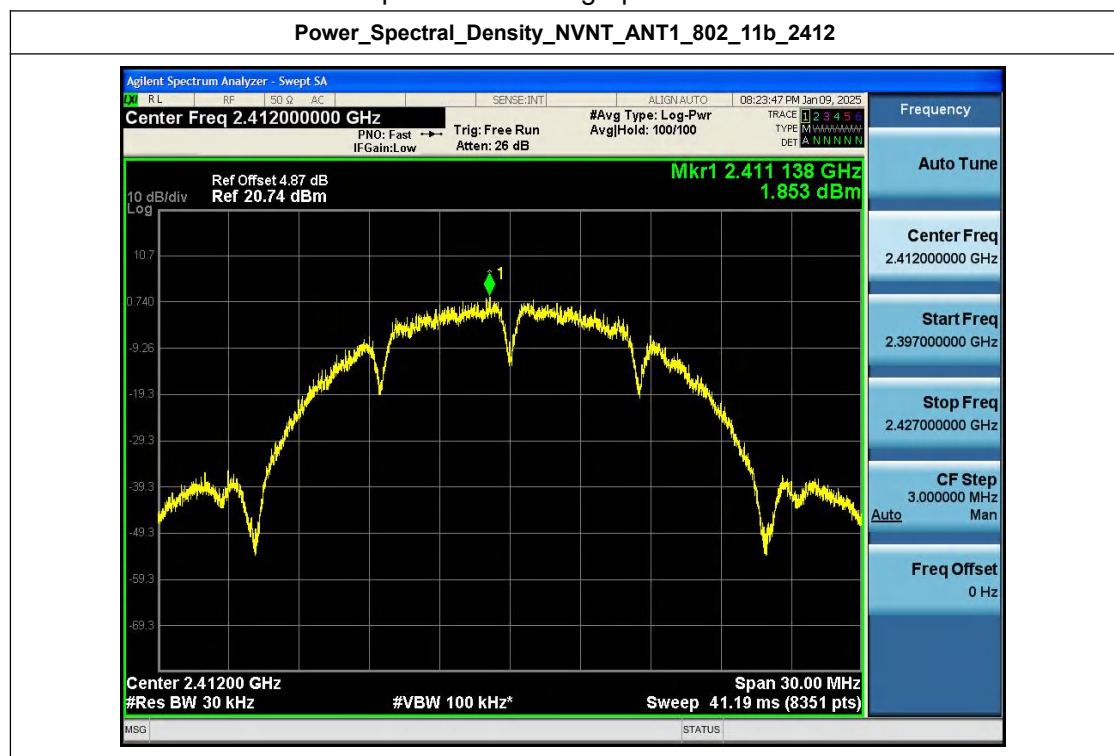
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Appendix E: Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	SA_PSD(dBm/30kHz)	Duty factor(dB)	RB factor(dB)	PSD(dBm/3 kHz)	limit(dBm/3 kHz)	Result
NVNT	ANT1	802.11b	2412.00	1.85	0.00	-10.00	-8.15	8	Pass
NVNT	ANT1	802.11b	2437.00	0.61	0.00	-10.00	-9.39	8	Pass
NVNT	ANT1	802.11b	2462.00	1.03	0.00	-10.00	-8.97	8	Pass
NVNT	ANT1	802.11g	2412.00	-0.10	0.48	-10.00	-9.62	8	Pass
NVNT	ANT1	802.11g	2437.00	-2.03	0.48	-10.00	-11.55	8	Pass
NVNT	ANT1	802.11g	2462.00	-1.68	0.48	-10.00	-11.20	8	Pass
NVNT	ANT1	802.11n(HT 20)	2412.00	-0.70	0.13	-10.00	-10.57	8	Pass
NVNT	ANT1	802.11n(HT 20)	2437.00	-1.22	0.13	-10.00	-11.09	8	Pass
NVNT	ANT1	802.11n(HT 20)	2462.00	-1.97	0.12	-10.00	-11.85	8	Pass
NVNT	ANT1	802.11n(HT 40)	2422.00	-4.04	0.24	-10.00	-13.80	8	Pass
NVNT	ANT1	802.11n(HT 40)	2437.00	-4.67	0.27	-10.00	-14.40	8	Pass
NVNT	ANT1	802.11n(HT 40)	2452.00	-5.73	0.24	-10.00	-15.49	8	Pass

Note: The cable loss are compensated in the graph.



Power_Spectral_Density_NVNT_ANT1_802_11b_2437

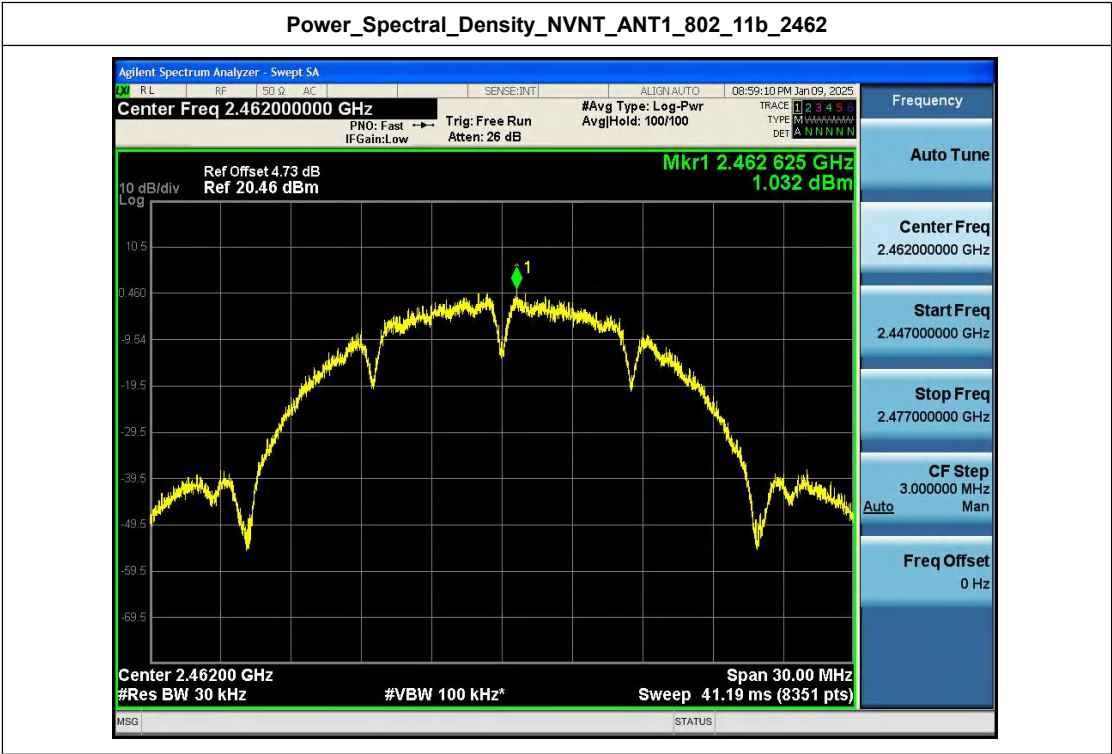
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Power_Spectral_Density_NVNT_ANT1_802_11b_2462



Power_Spectral_Density_NVNT_ANT1_802_11g_2412