

Appendix Test Data

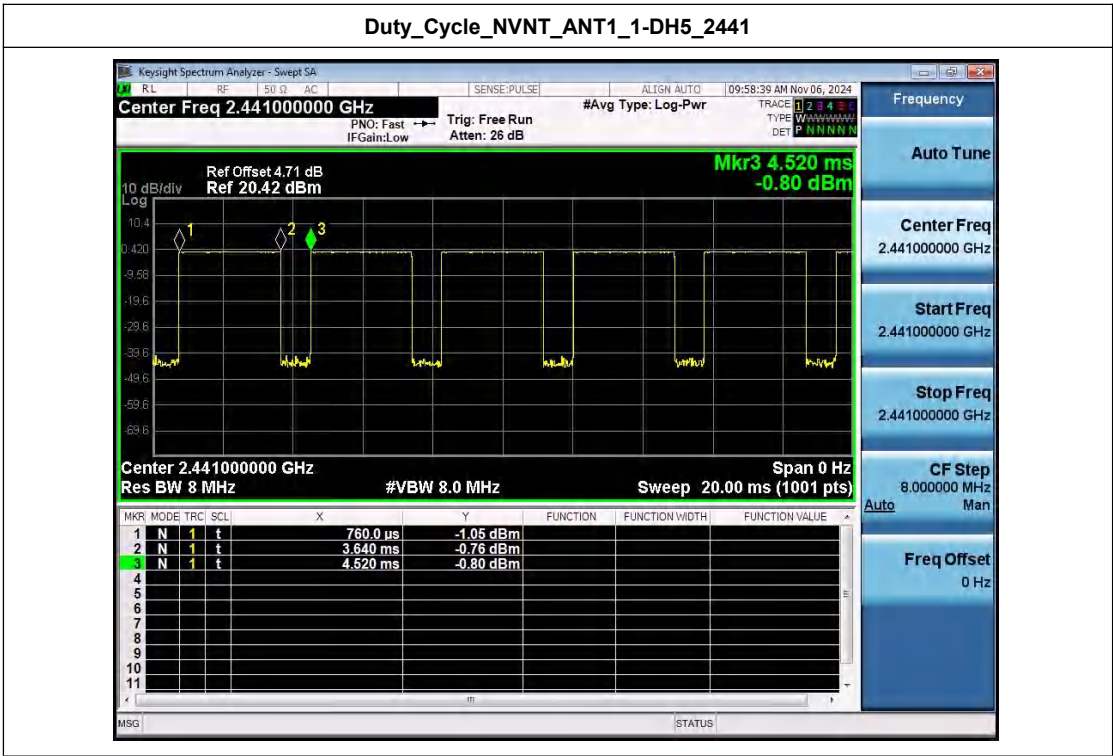
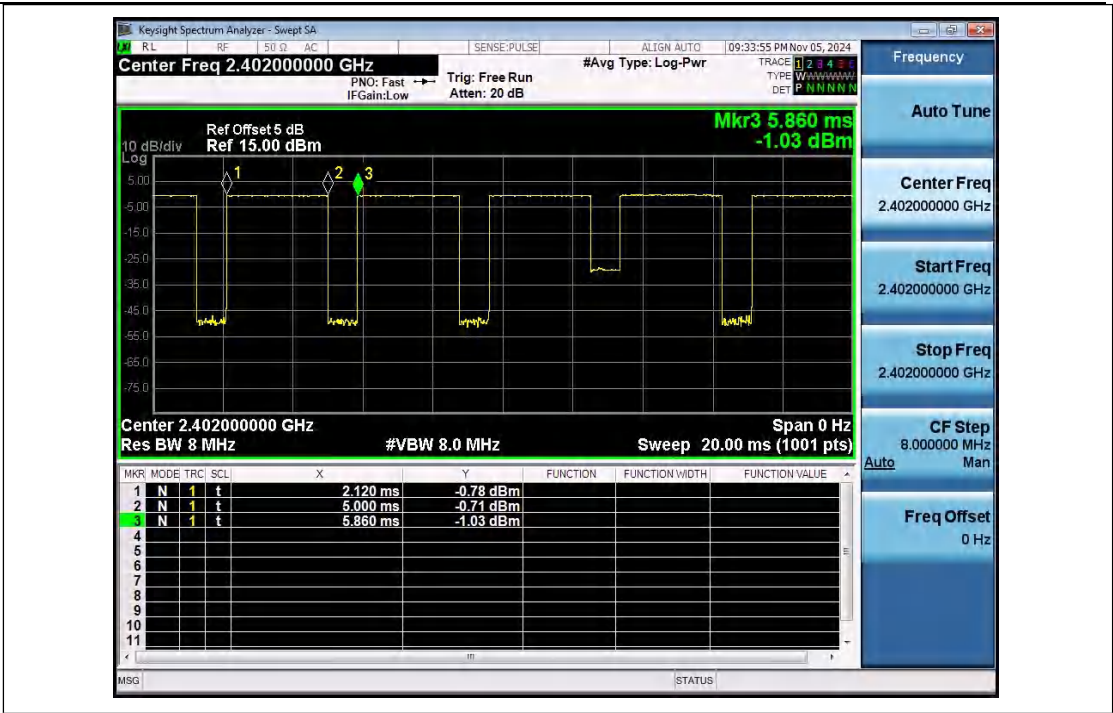
Report No.:	1812C40122812501	Test Sample No.:	1-2-2
Start Test Date:	2024.10.28	Finish Test Date:	2024.11.12
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.9℃	Relative Humidity:	54%
Pressure:	101kPa		

Appendix A: Duty Cycle

Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1-DH5	2402.00	77.54	1.10
NVNT	ANT1	1-DH5	2441.00	76.60	1.16
NVNT	ANT1	1-DH5	2480.00	77.01	1.13
NVNT	ANT1	2-DH5	2402.00	77.13	1.13
NVNT	ANT1	2-DH5	2441.00	77.01	1.13
NVNT	ANT1	2-DH5	2480.00	77.13	1.13
NVNT	ANT1	3-DH5	2402.00	77.54	1.10
NVNT	ANT1	3-DH5	2441.00	77.13	1.13
NVNT	ANT1	3-DH5	2480.00	77.54	1.10

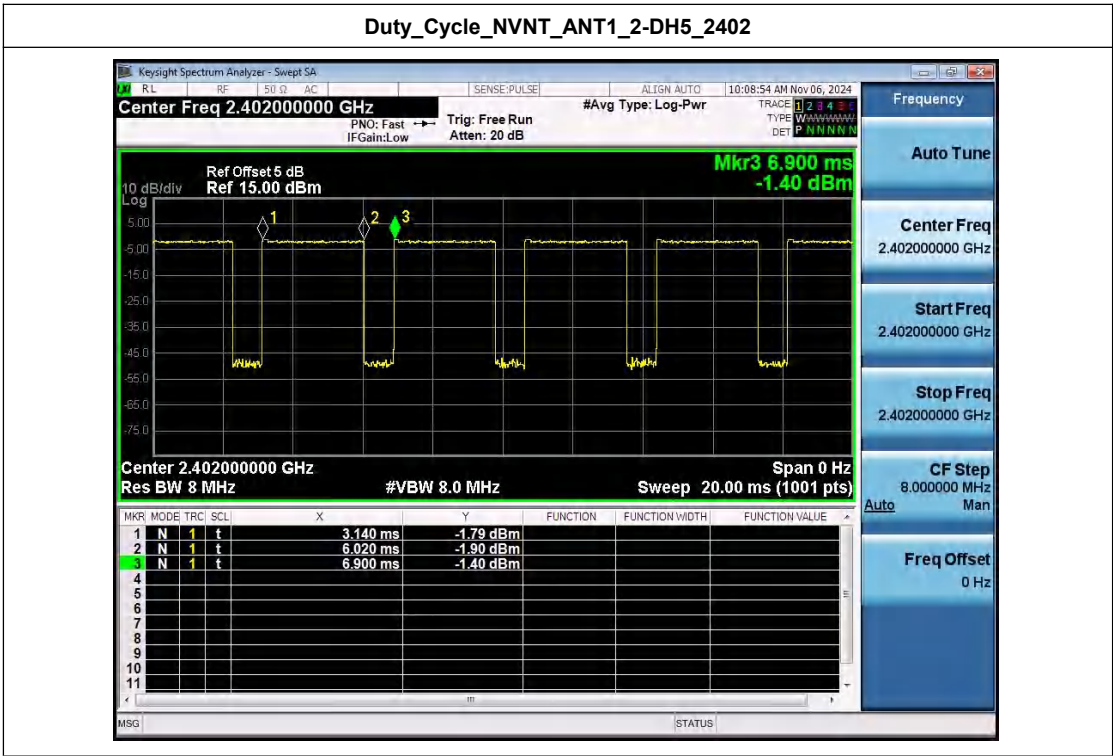
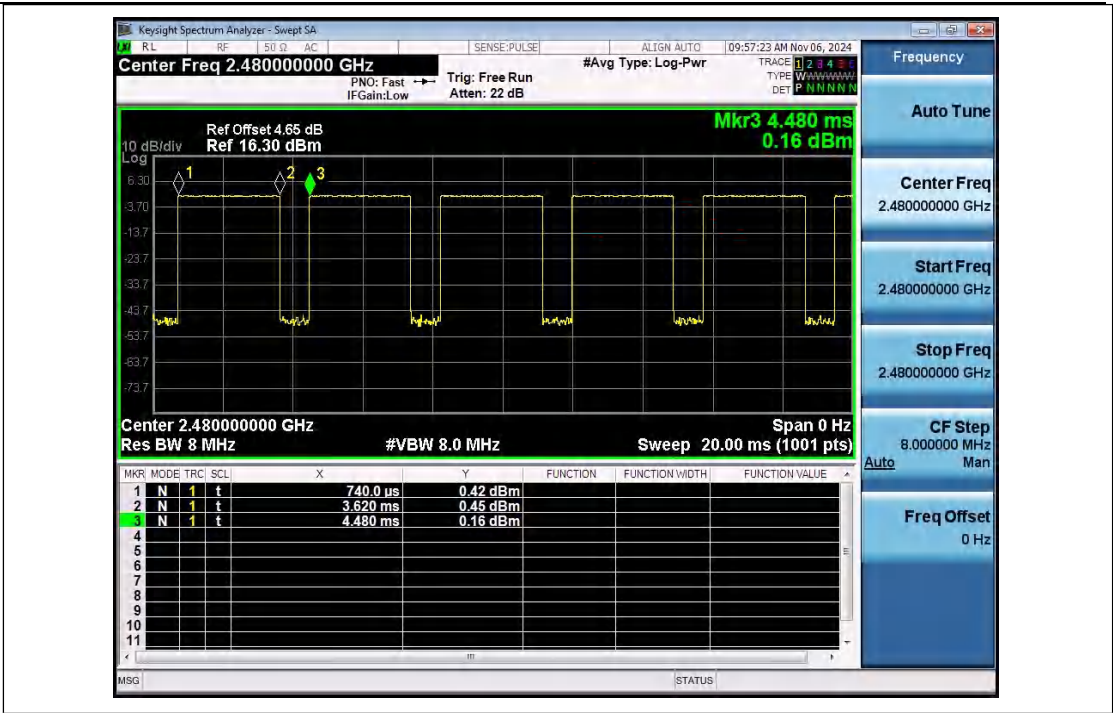
Duty_Cycle_NVNT_ANT1_1-DH5_2402





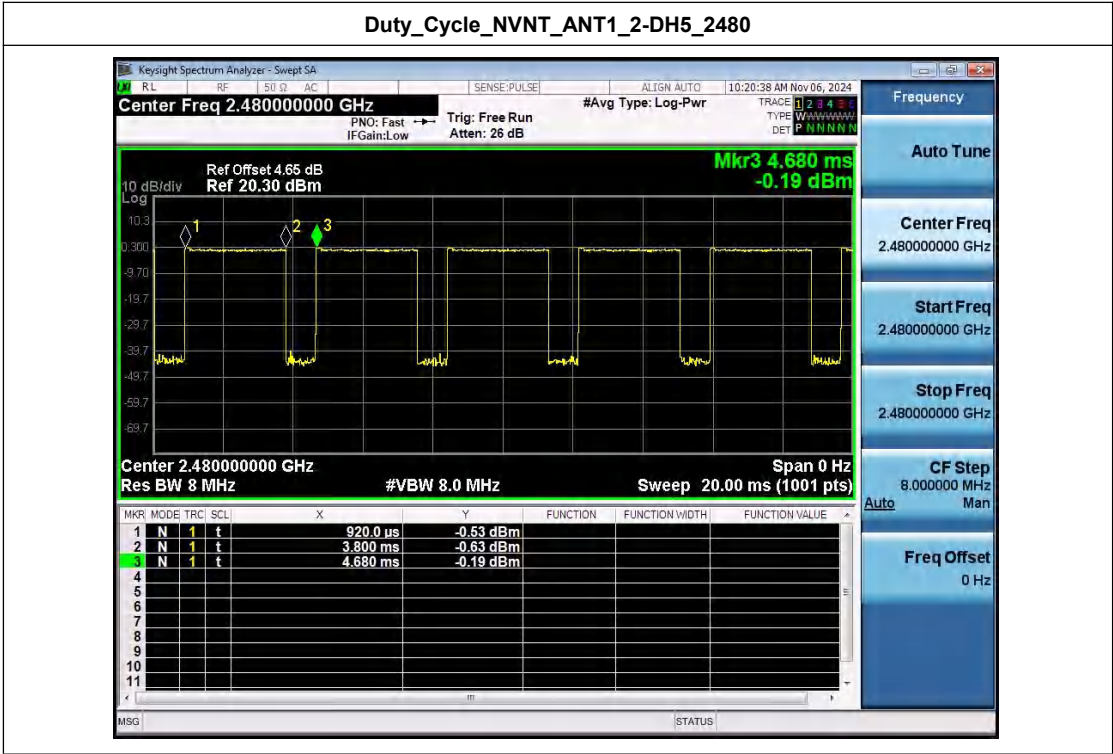
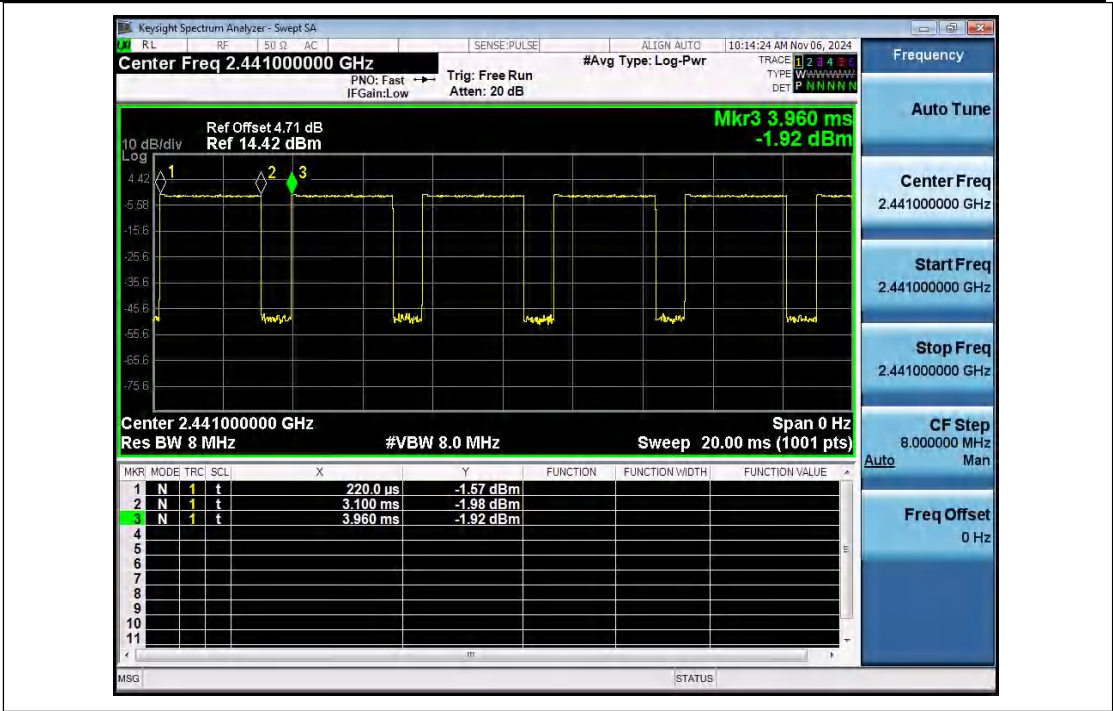
Duty_Cycle_NVNT_ANT1_1-DH5_2480





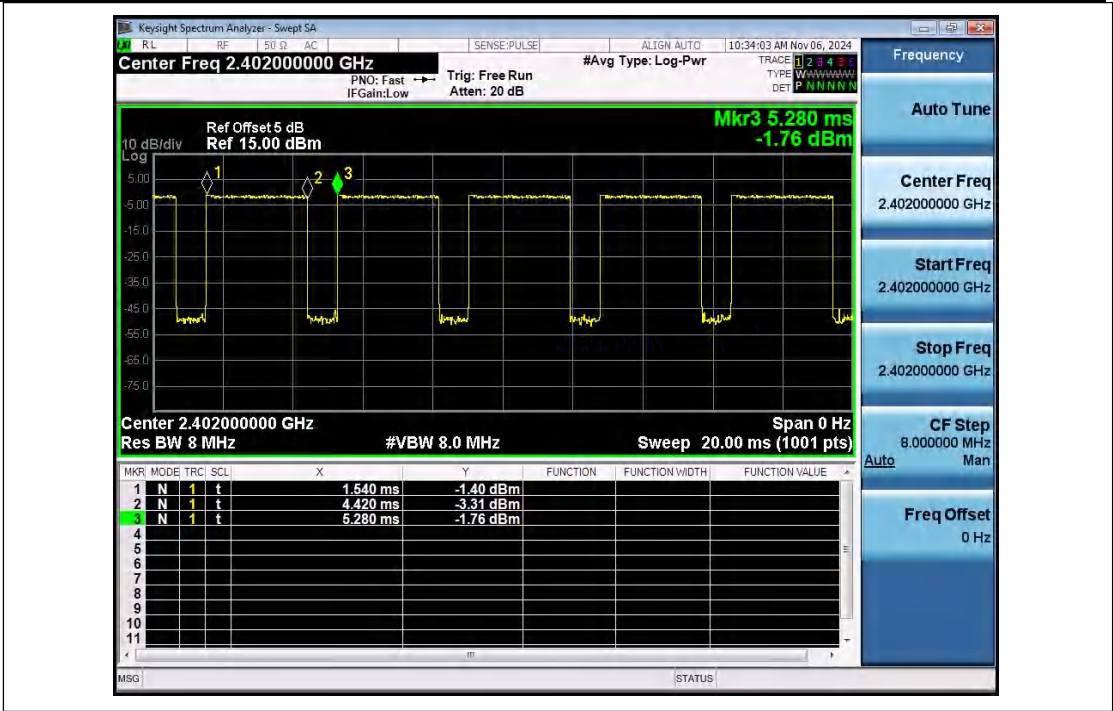
Duty_Cycle_NVNT_ANT1_2-DH5_2441



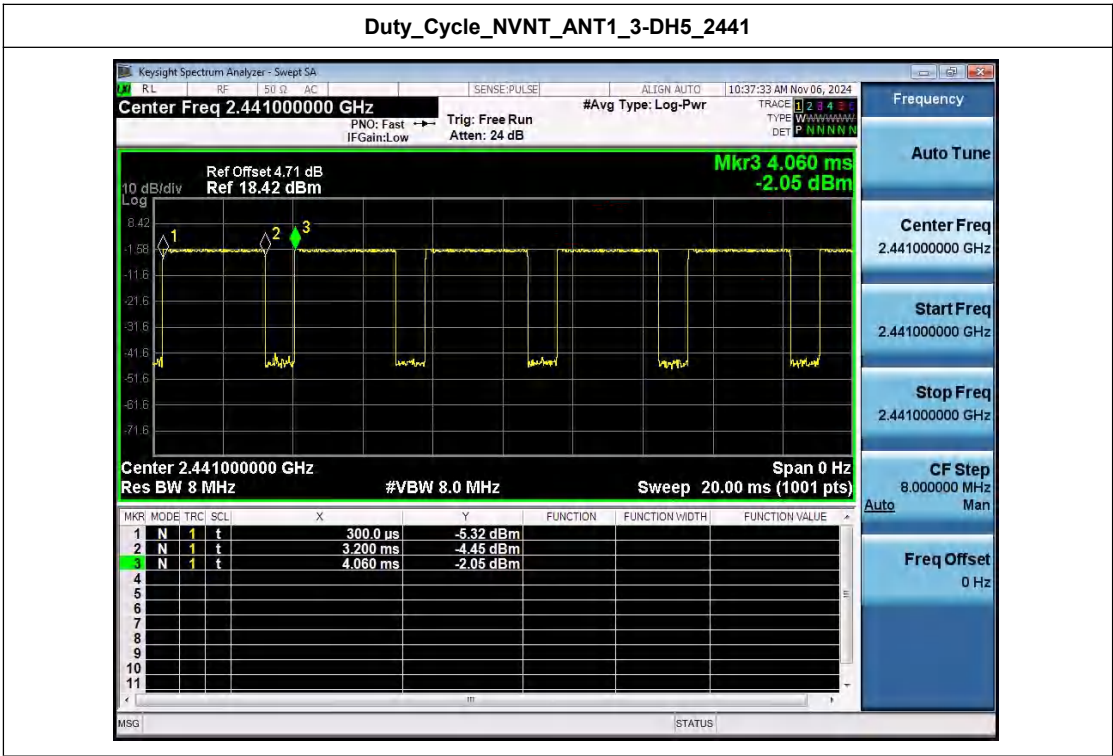


Duty_Cycle_NVNT_ANT1_3-DH5_2402



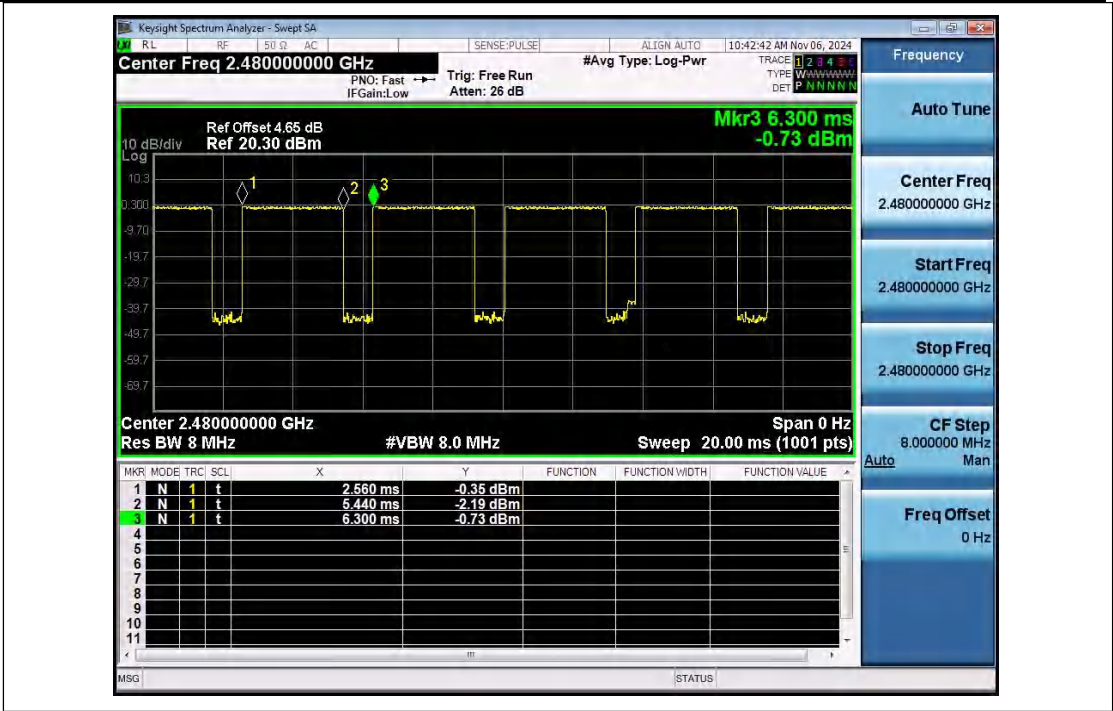


Duty_Cycle_NVNT_ANT1_3-DH5_2441



Duty_Cycle_NVNT_ANT1_3-DH5_2480





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Appendix B: -20dB Bandwidth

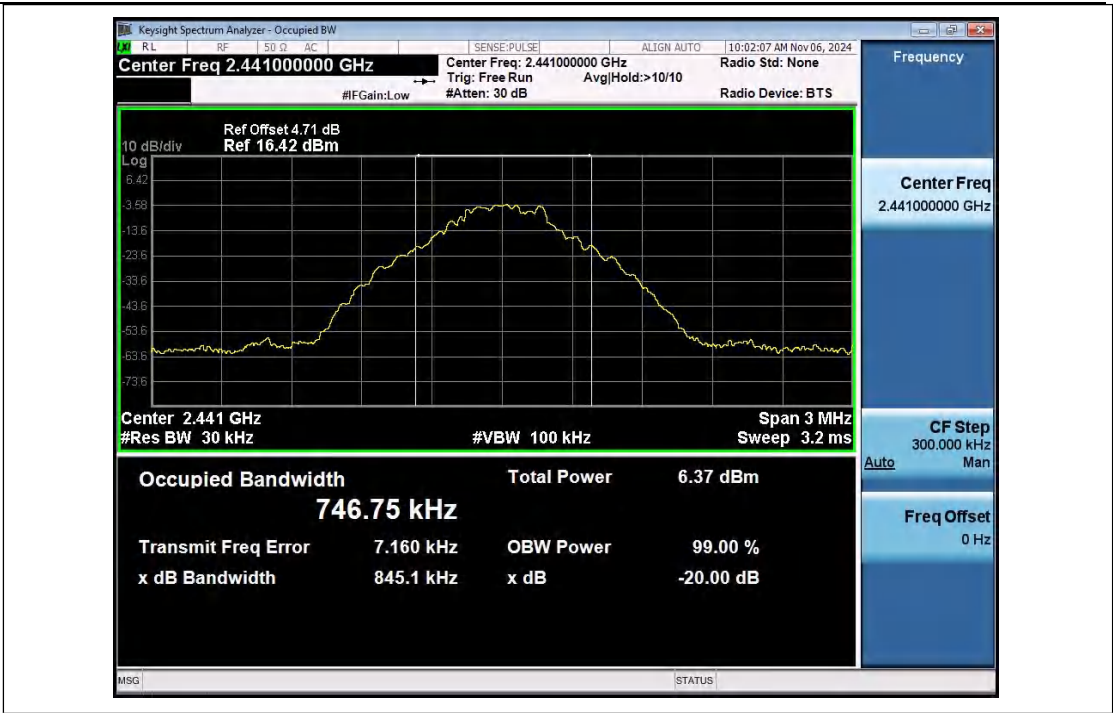
Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH5	2402.00	0.850	No
NVNT	ANT1	1-DH5	2441.00	0.845	No
NVNT	ANT1	1-DH5	2480.00	0.844	No
NVNT	ANT1	2-DH5	2402.00	1.269	Yes
NVNT	ANT1	2-DH5	2441.00	1.268	Yes
NVNT	ANT1	2-DH5	2480.00	1.274	Yes
NVNT	ANT1	3-DH5	2402.00	1.274	Yes
NVNT	ANT1	3-DH5	2441.00	1.293	Yes
NVNT	ANT1	3-DH5	2480.00	1.268	Yes

-20dB_Bandwidth_NVNT_ANT1_1-DH5_2402_00

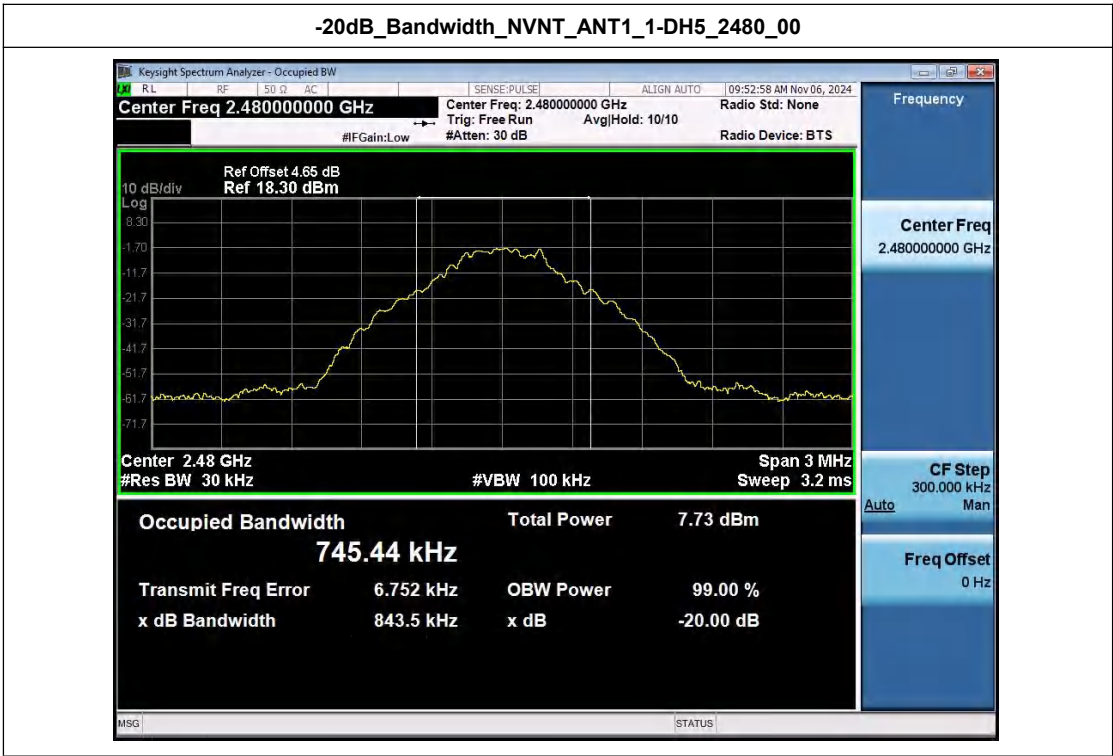


-20dB_Bandwidth_NVNT_ANT1_1-DH5_2441_00





-20dB_Bandwidth_NVNT_ANT1_1-DH5_2480_00

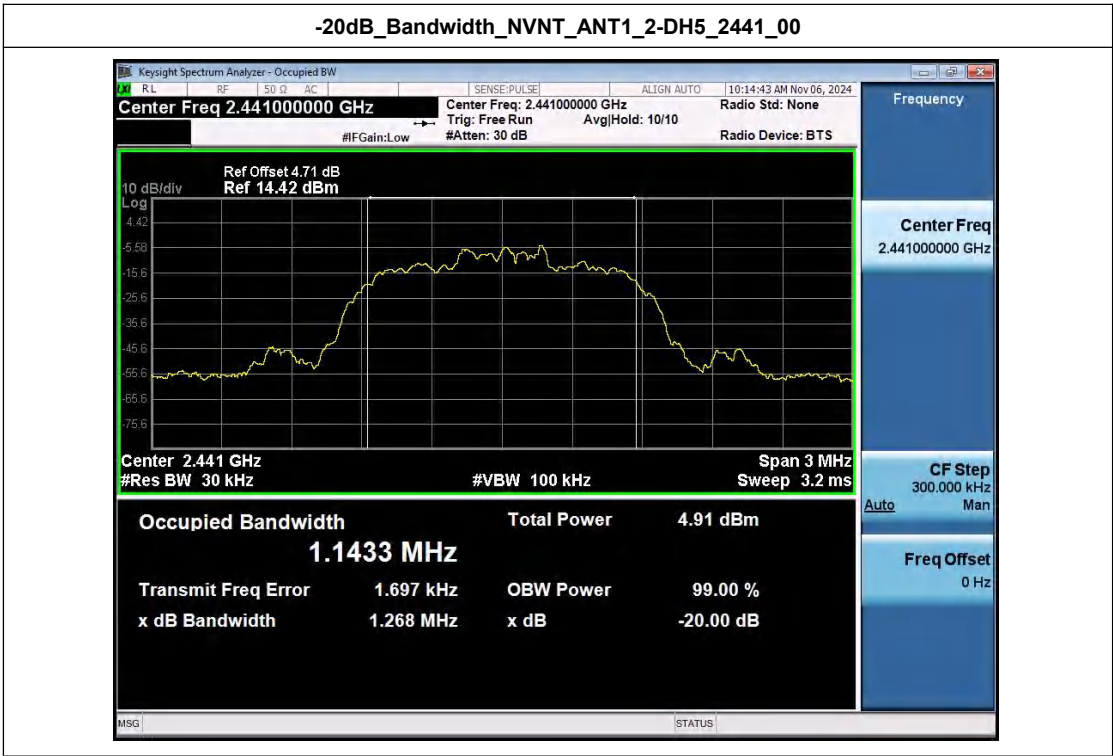


-20dB_Bandwidth_NVNT_ANT1_2-DH5_2402_00



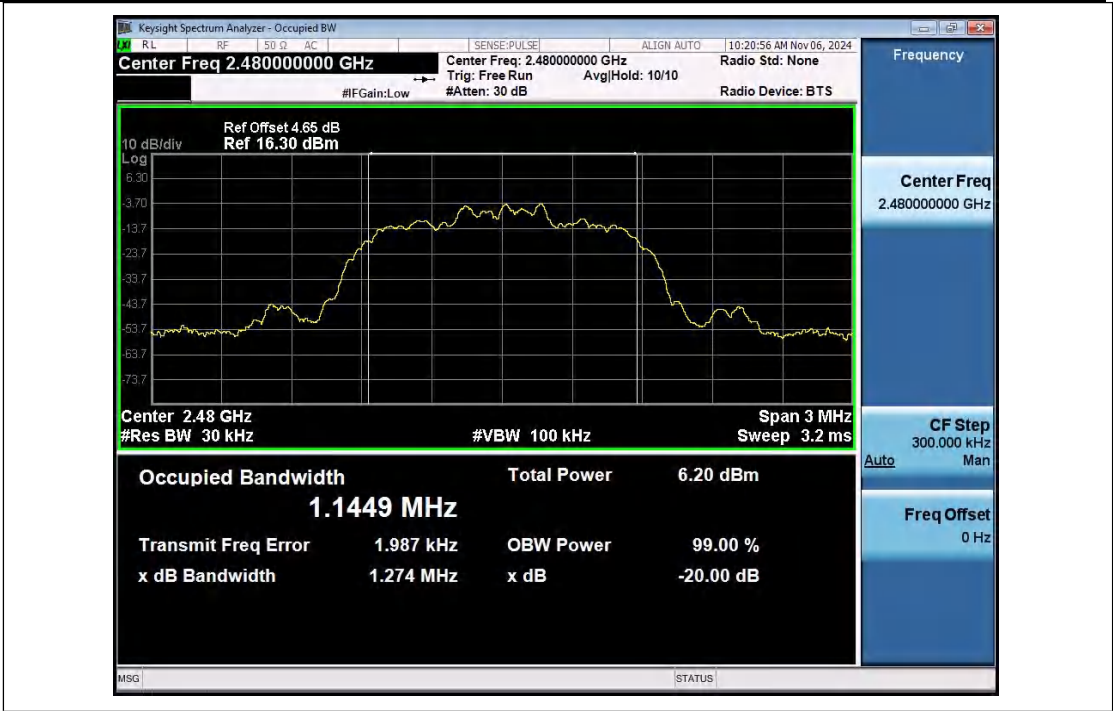


-20dB_Bandwidth_NVNT_ANT1_2-DH5_2441_00

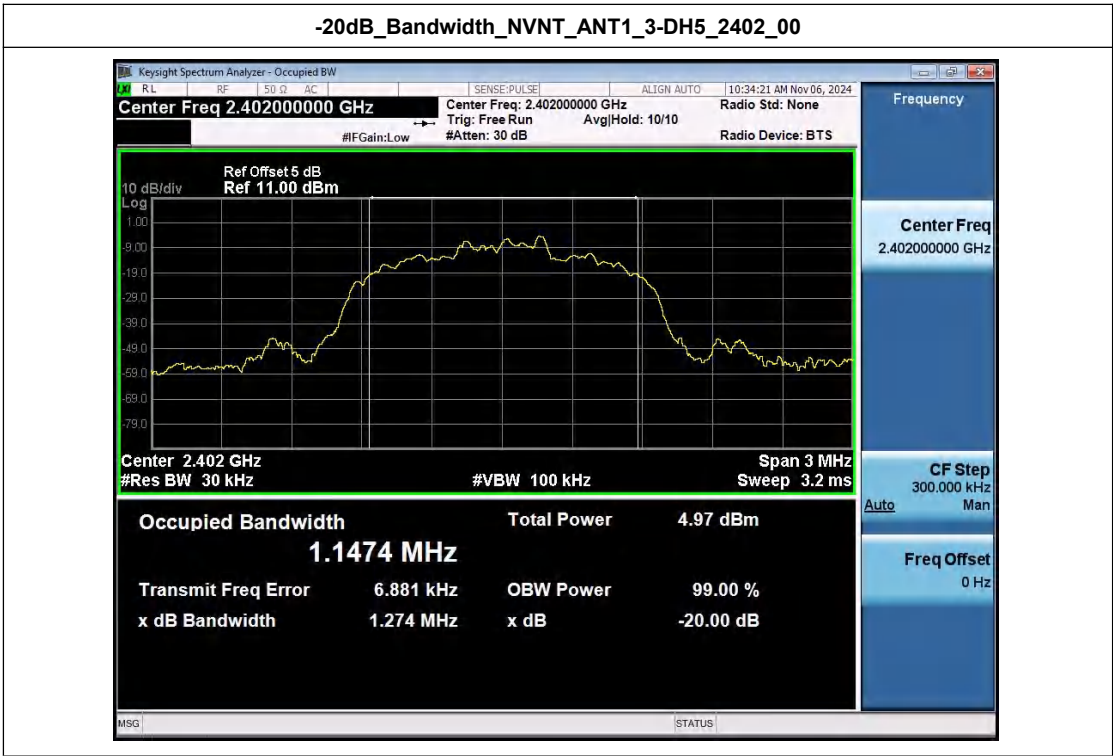


-20dB_Bandwidth_NVNT_ANT1_2-DH5_2480_00



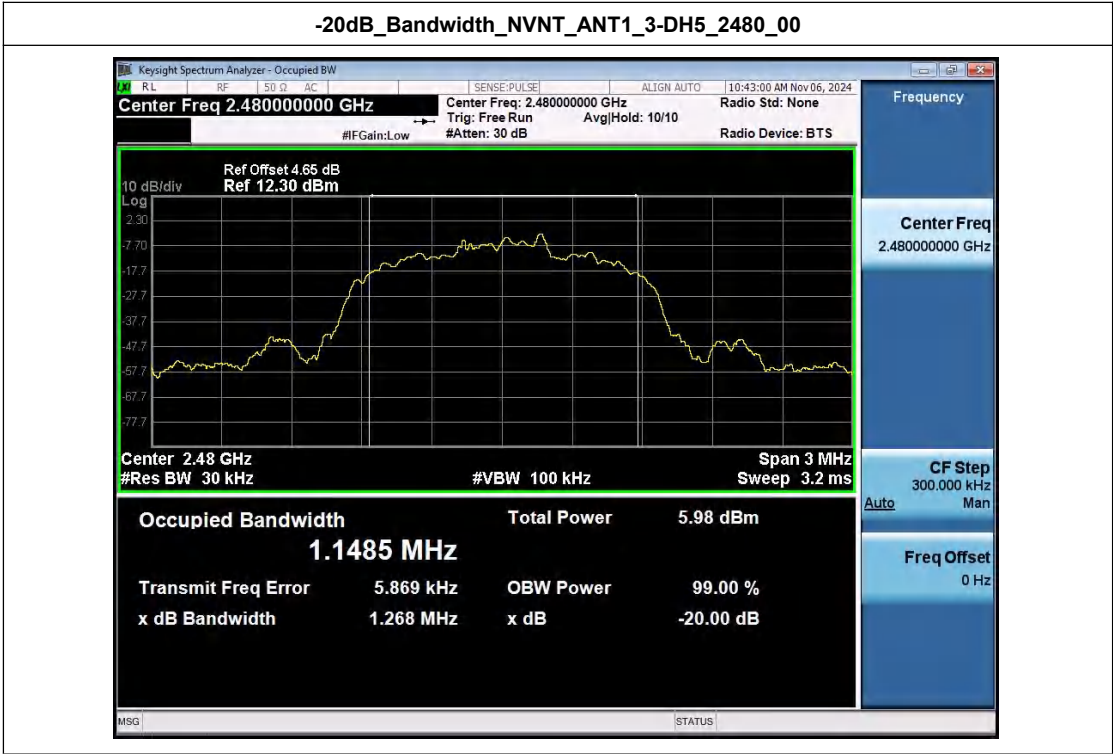


-20dB_Bandwidth_NVNT_ANT1_3-DH5_2402_00



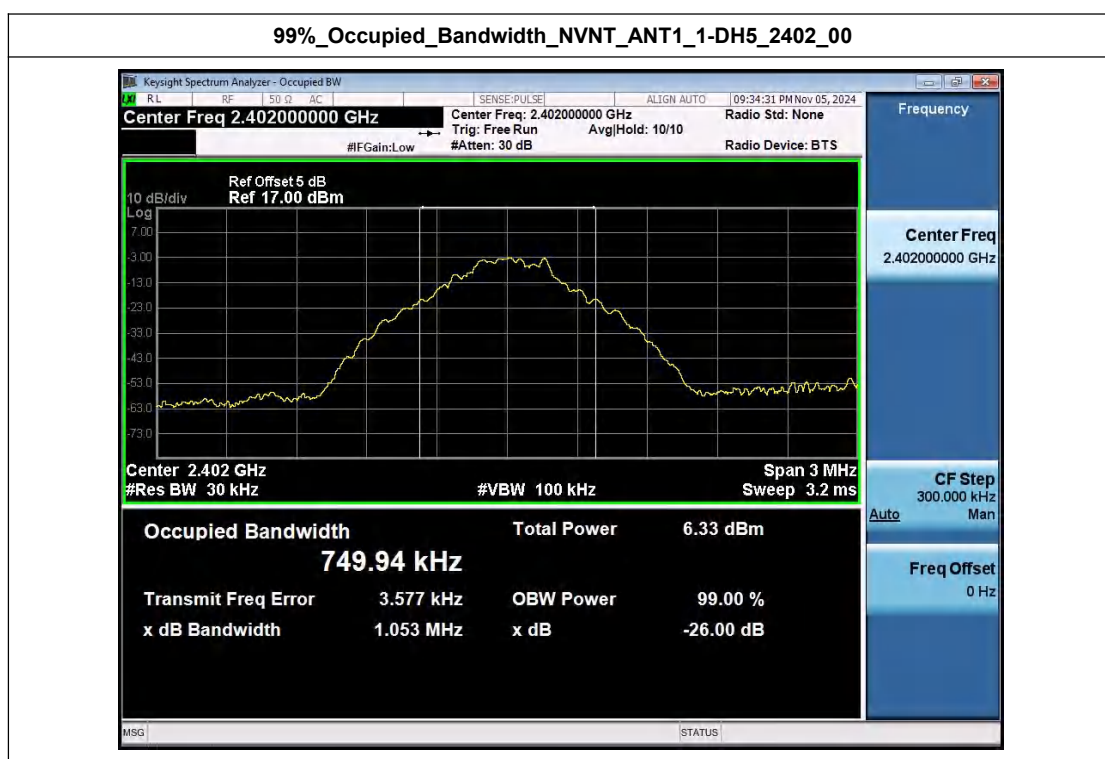
-20dB_Bandwidth_NVNT_ANT1_3-DH5_2441_00





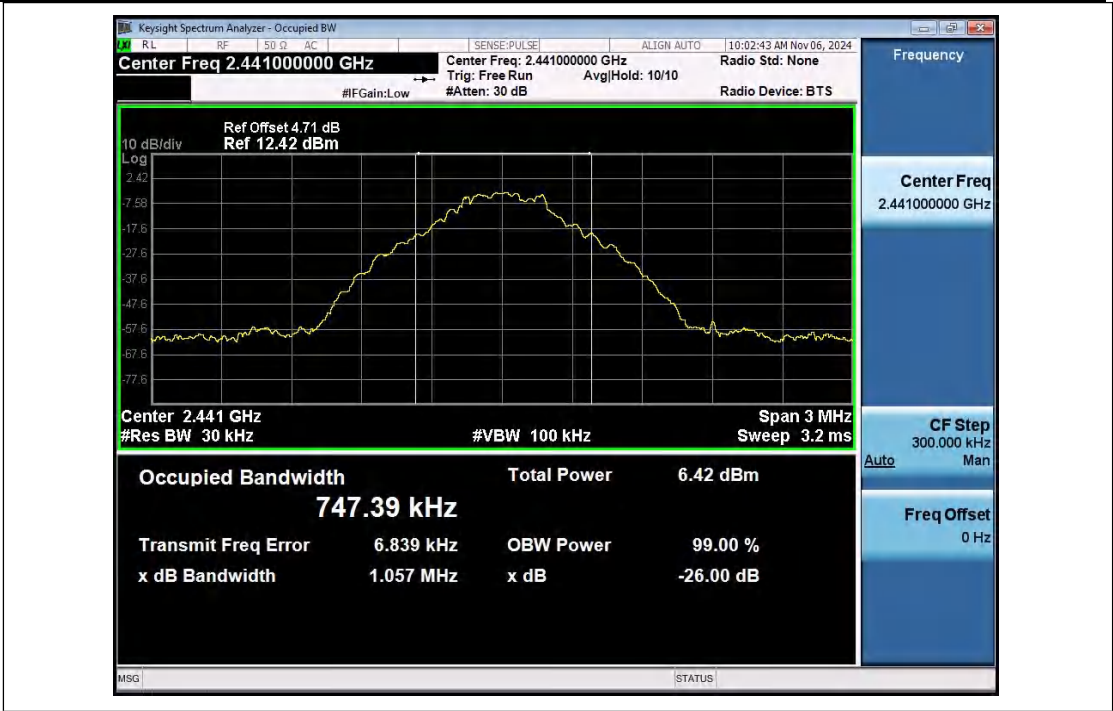
Appendix C: 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	1-DH5	2402.00	0.750
NVNT	ANT1	1-DH5	2441.00	0.747
NVNT	ANT1	1-DH5	2480.00	0.745
NVNT	ANT1	2-DH5	2402.00	1.140
NVNT	ANT1	2-DH5	2441.00	1.147
NVNT	ANT1	2-DH5	2480.00	1.170
NVNT	ANT1	3-DH5	2402.00	1.148
NVNT	ANT1	3-DH5	2441.00	1.150
NVNT	ANT1	3-DH5	2480.00	1.155

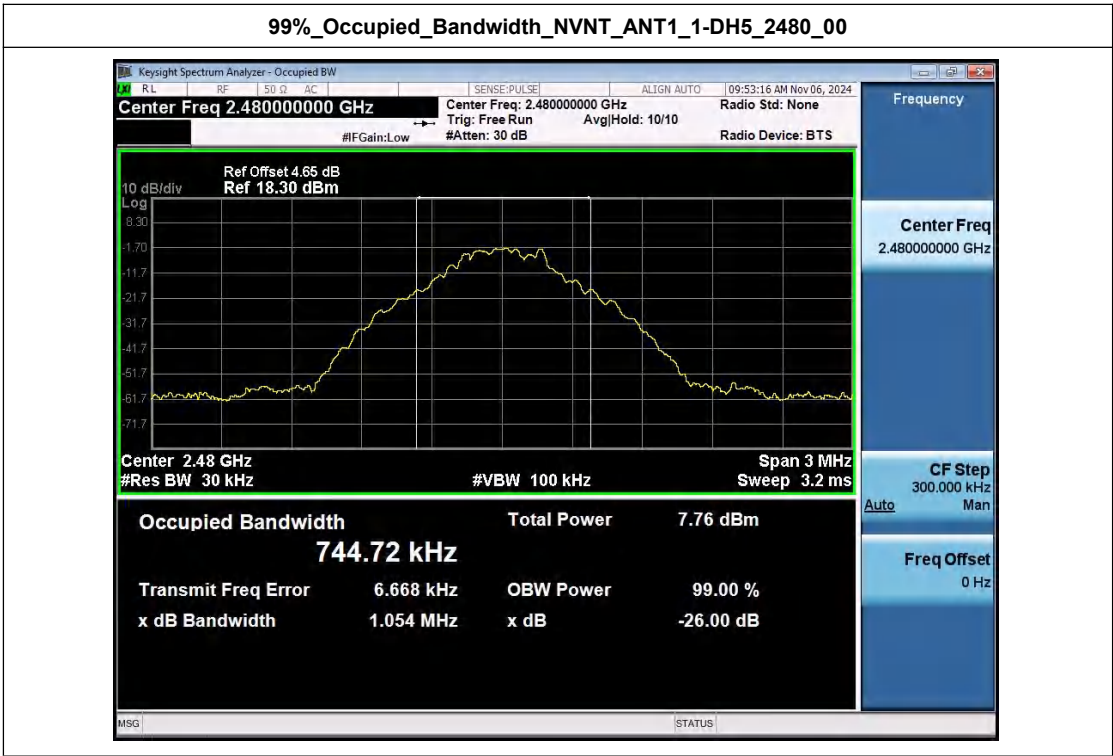


99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2441_00



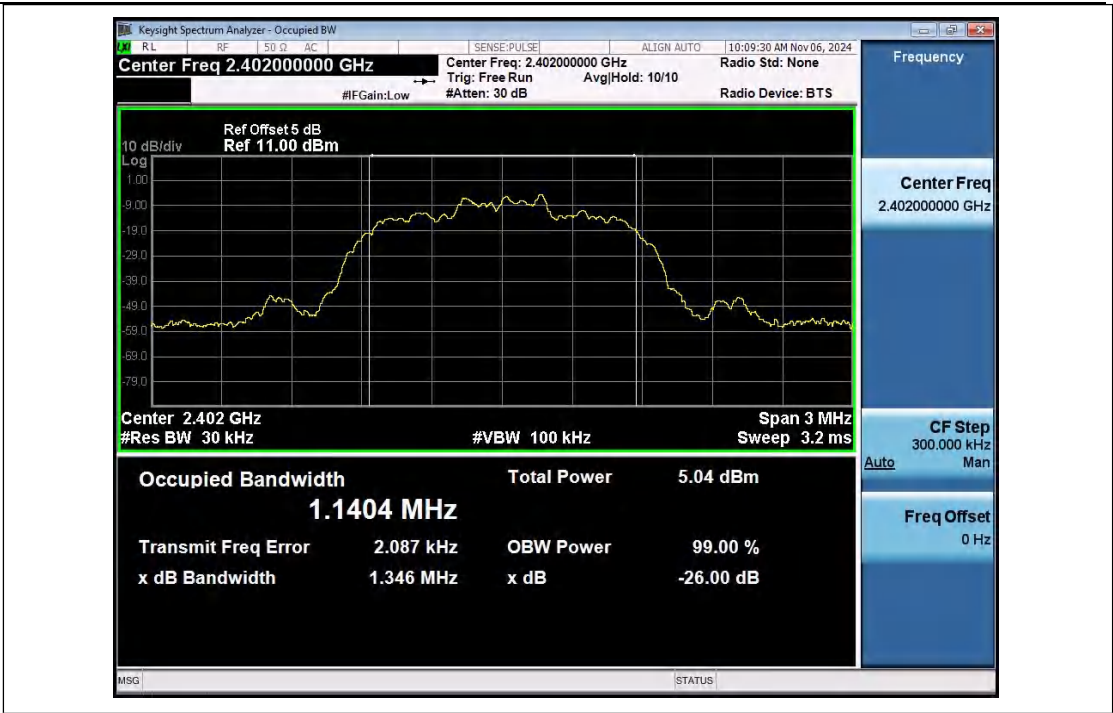


99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2480_00

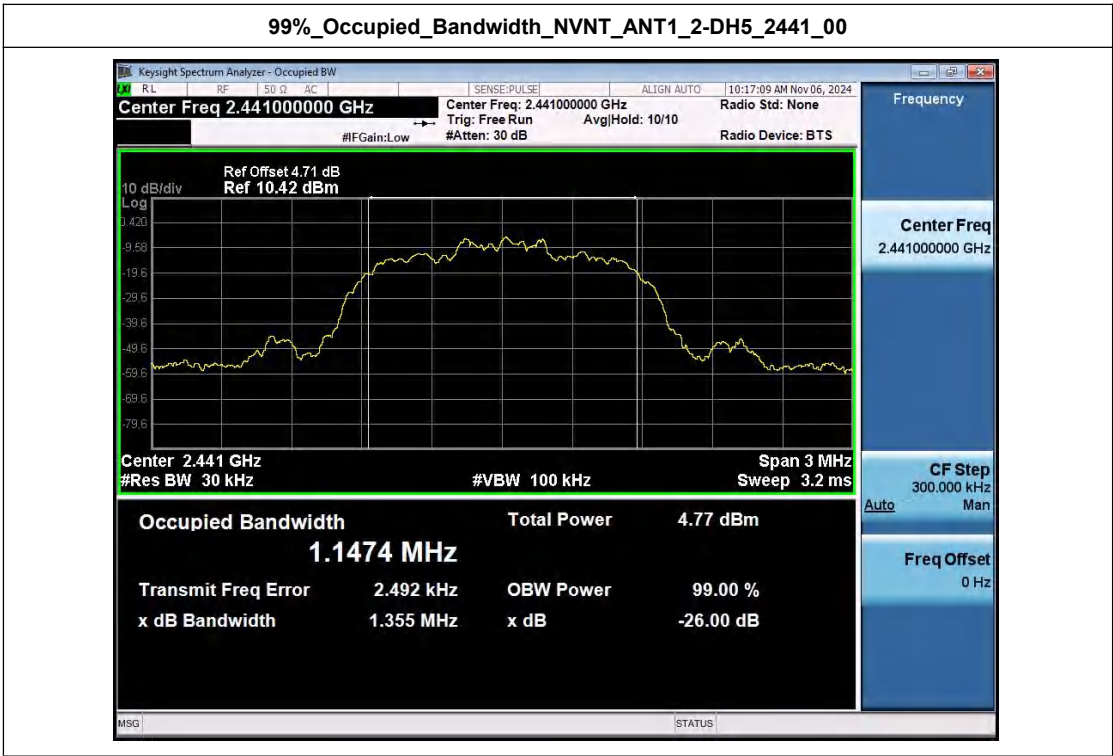


99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2402_00



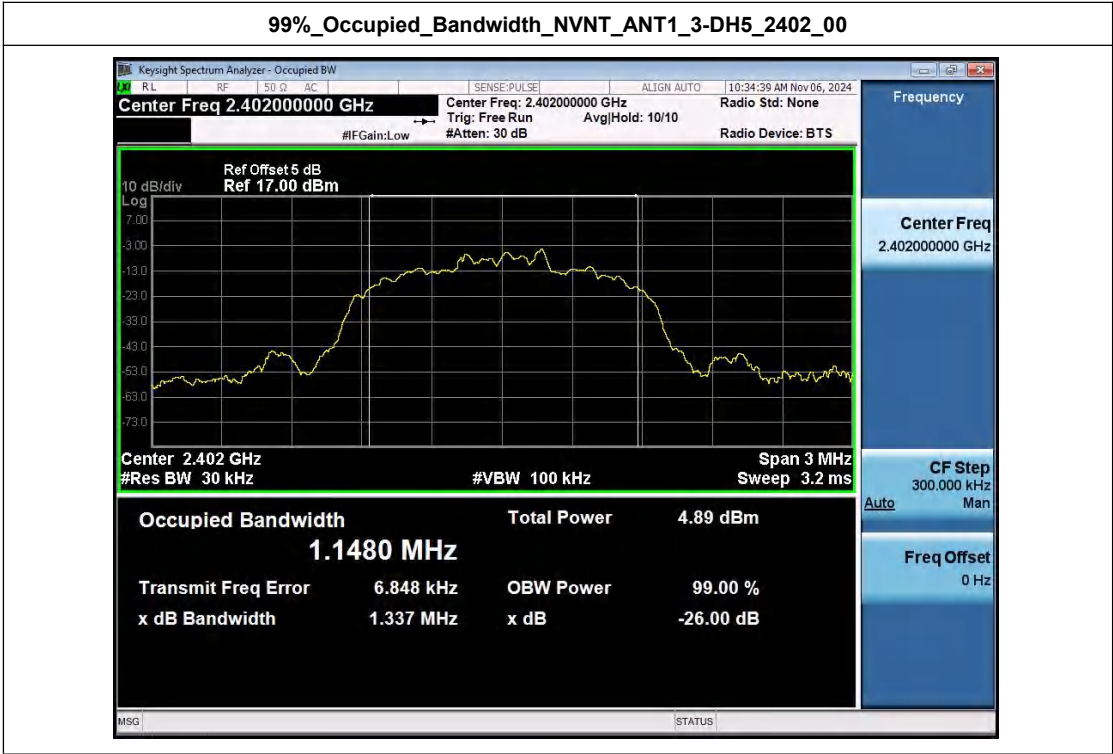


99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2441_00



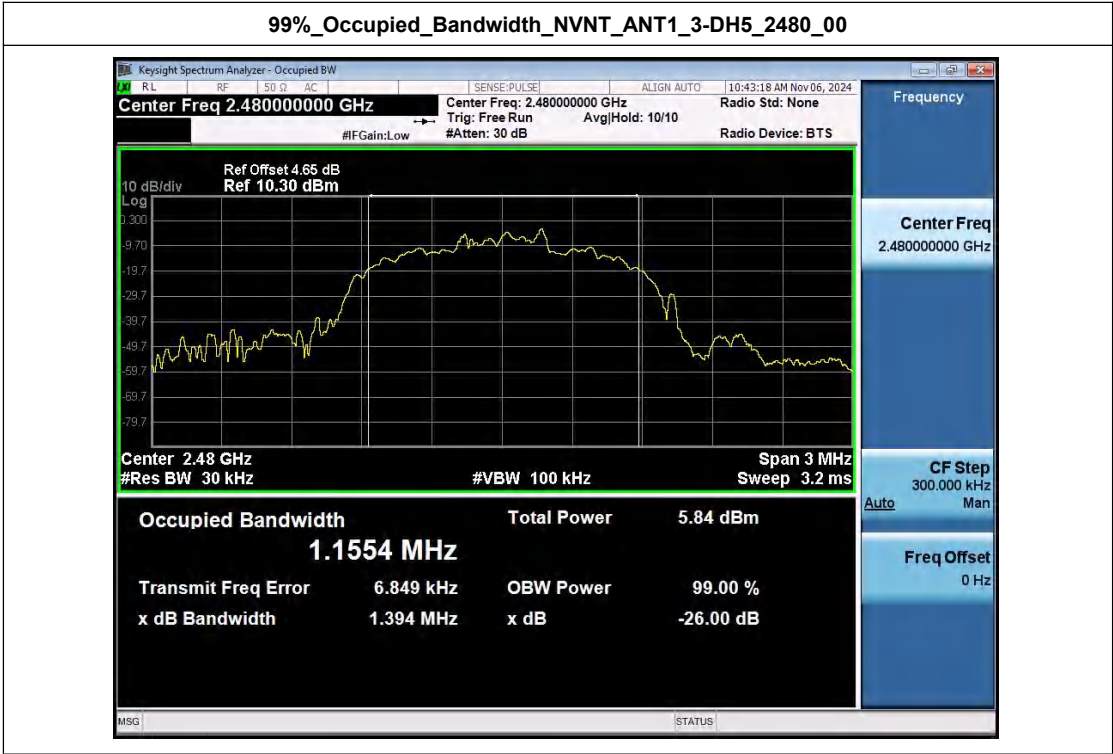
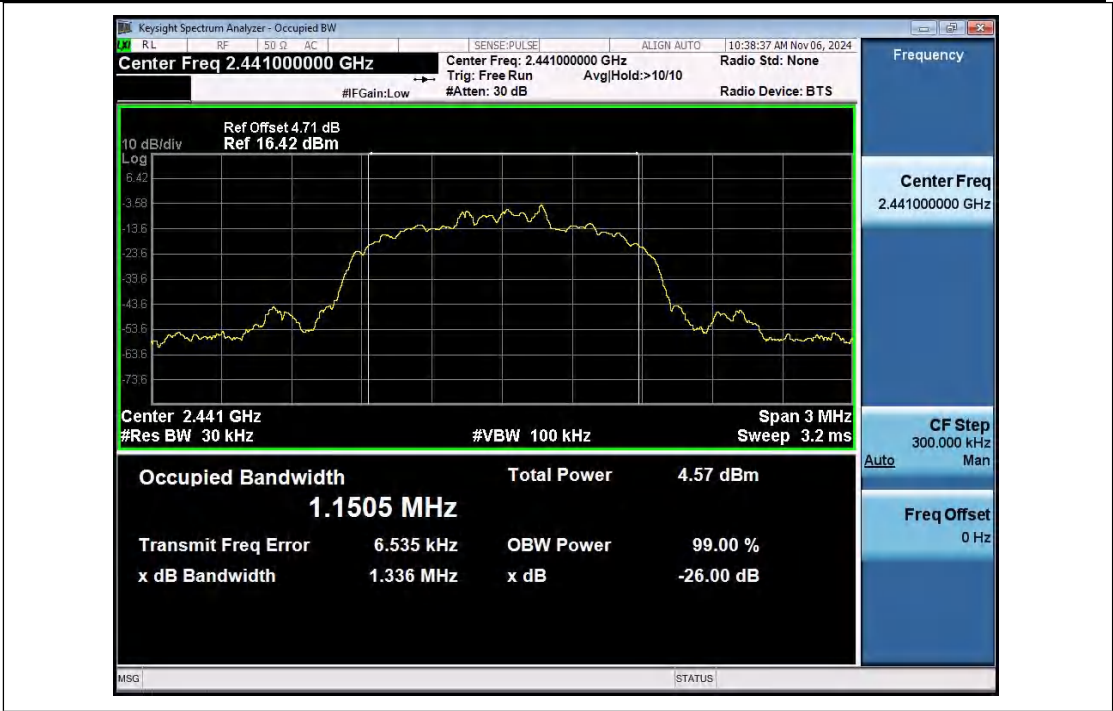
99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2480_00





99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2441_00





Appendix D: Peak Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH5	2402.00	-0.42	0.91	1000	Pass
NVNT	ANT1	1-DH5	2441.00	0.90	1.23	1000	Pass
NVNT	ANT1	1-DH5	2480.00	-0.84	0.82	1000	Pass
NVNT	ANT1	2-DH5	2402.00	-0.78	0.84	125	Pass
NVNT	ANT1	2-DH5	2441.00	0.50	1.12	125	Pass
NVNT	ANT1	2-DH5	2480.00	-1.16	0.77	125	Pass
NVNT	ANT1	3-DH5	2402.00	-0.34	0.92	125	Pass
NVNT	ANT1	3-DH5	2441.00	1.03	1.27	125	Pass
NVNT	ANT1	3-DH5	2480.00	-0.63	0.86	125	Pass

Peak_Output_Power_NVNT_ANT1_1-DH5_2402_00

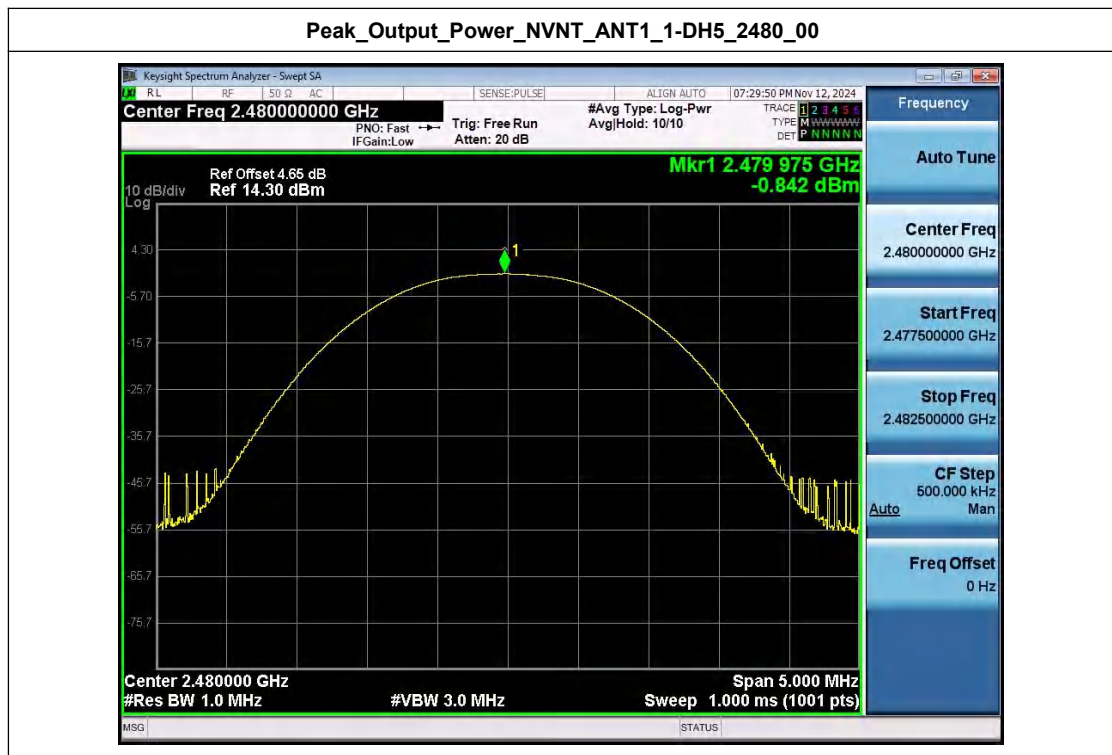


Peak_Output_Power_NVNT_ANT1_1-DH5_2441_00





Peak_Output_Power_NVNT_ANT1_1-DH5_2480_00

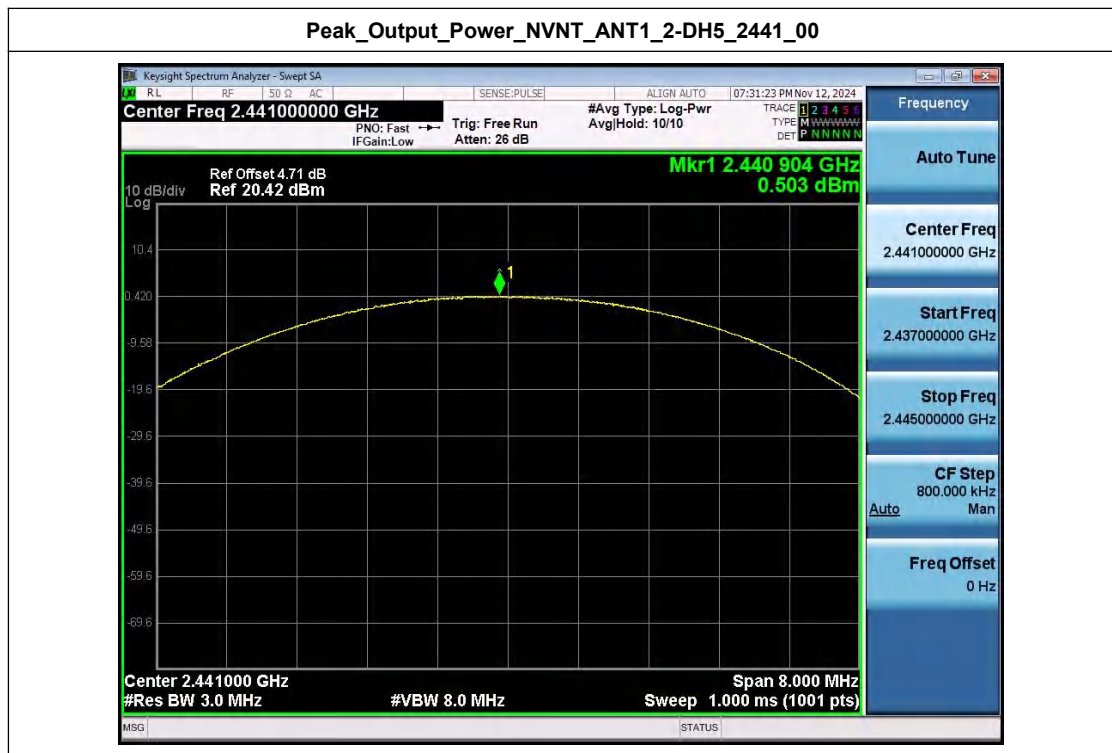


Peak_Output_Power_NVNT_ANT1_2-DH5_2402_00





Peak_Output_Power_NVNT_ANT1_2-DH5_2441_00

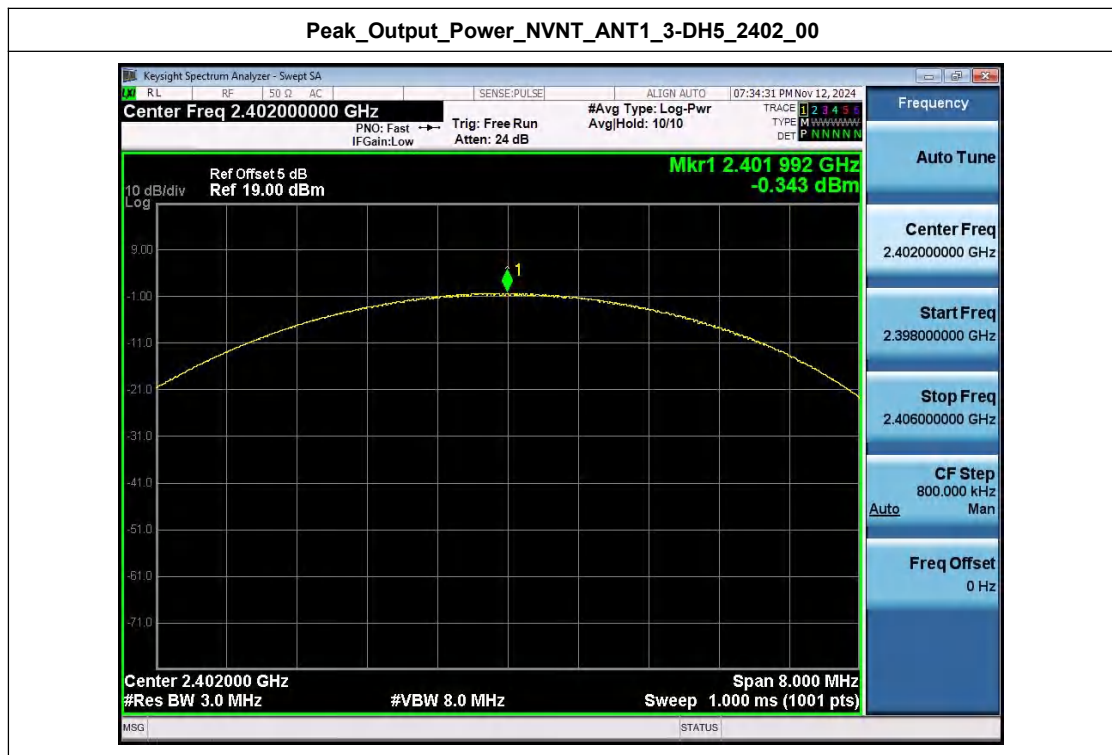


Peak_Output_Power_NVNT_ANT1_2-DH5_2480_00





Peak_Output_Power_NVNT_ANT1_3-DH5_2402_00

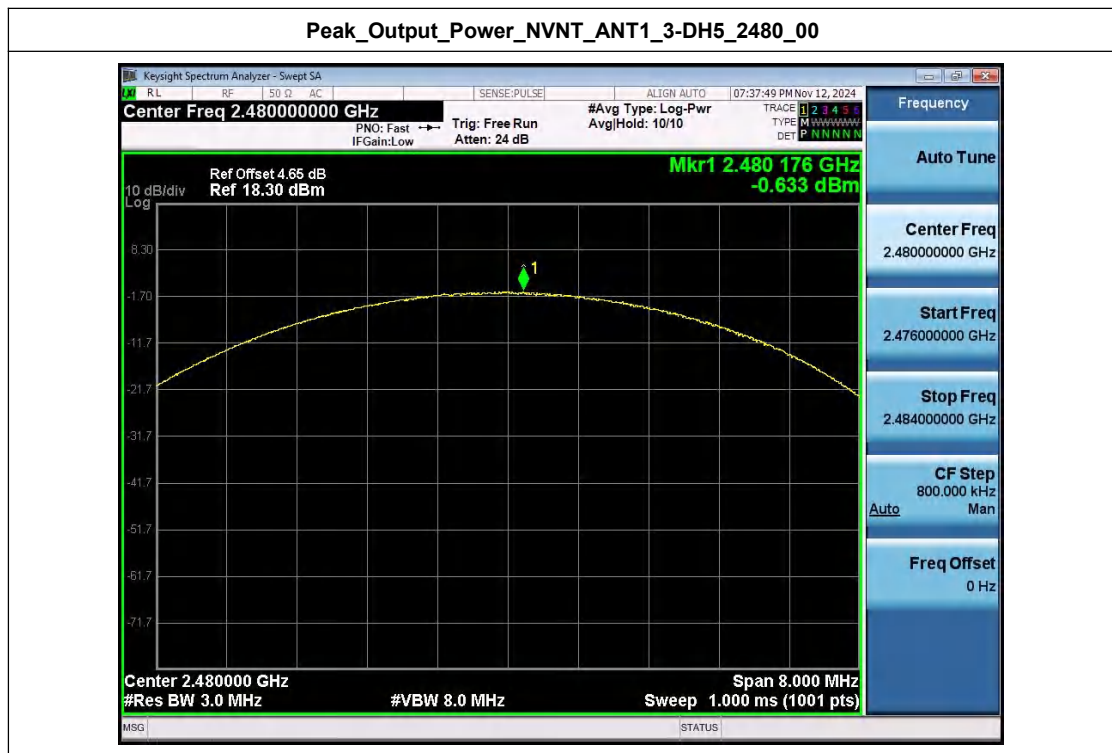


Peak_Output_Power_NVNT_ANT1_3-DH5_2441_00





Peak_Output_Power_NVNT_ANT1_3-DH5_2480_00



Appendix E: Spurious Emissions

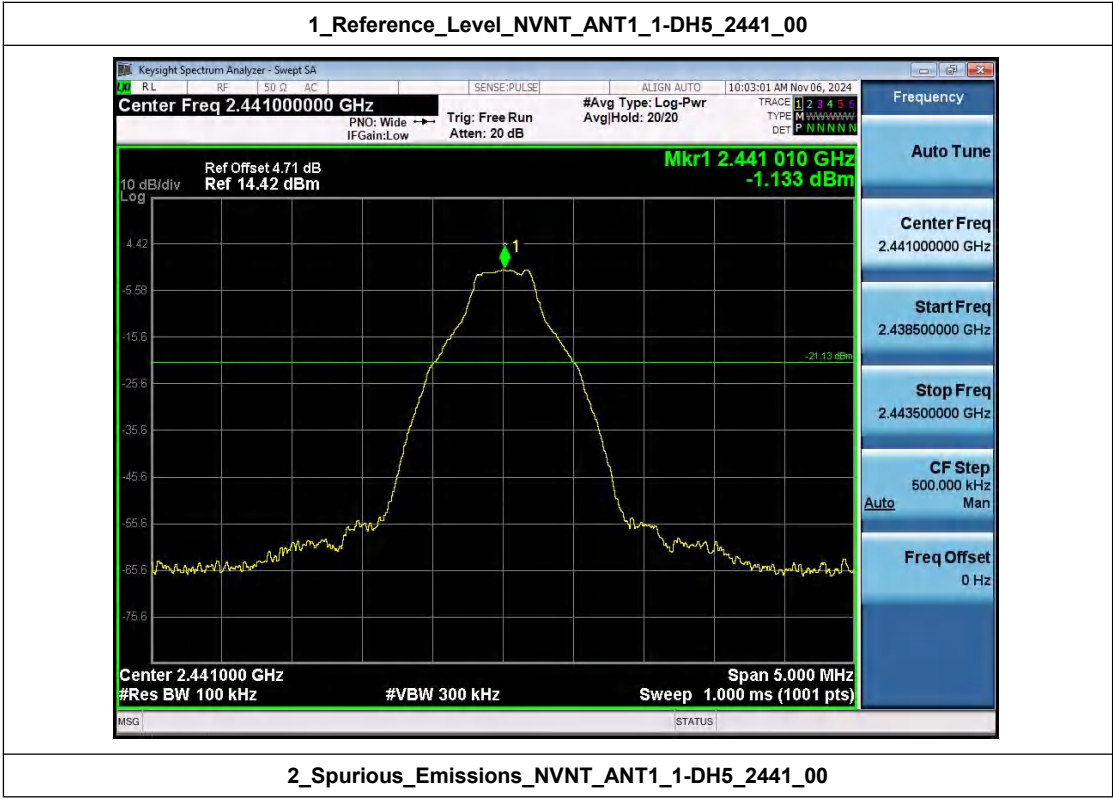
Condition	Antenna	Modulation	TX Mode	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-50.312	-21.070	Pass
NVNT	ANT1	1-DH5	2441.00	-53.079	-21.133	Pass
NVNT	ANT1	1-DH5	2480.00	-49.147	-19.864	Pass
NVNT	ANT1	2-DH5	2402.00	-51.003	-21.960	Pass
NVNT	ANT1	2-DH5	2441.00	-43.821	-22.384	Pass
NVNT	ANT1	2-DH5	2480.00	-54.389	-20.700	Pass
NVNT	ANT1	3-DH5	2402.00	-50.115	-21.812	Pass
NVNT	ANT1	3-DH5	2441.00	-39.774	-21.823	Pass
NVNT	ANT1	3-DH5	2480.00	-46.131	-20.785	Pass

1_Reference_Level_NVNT_ANT1_1-DH5_2402_00



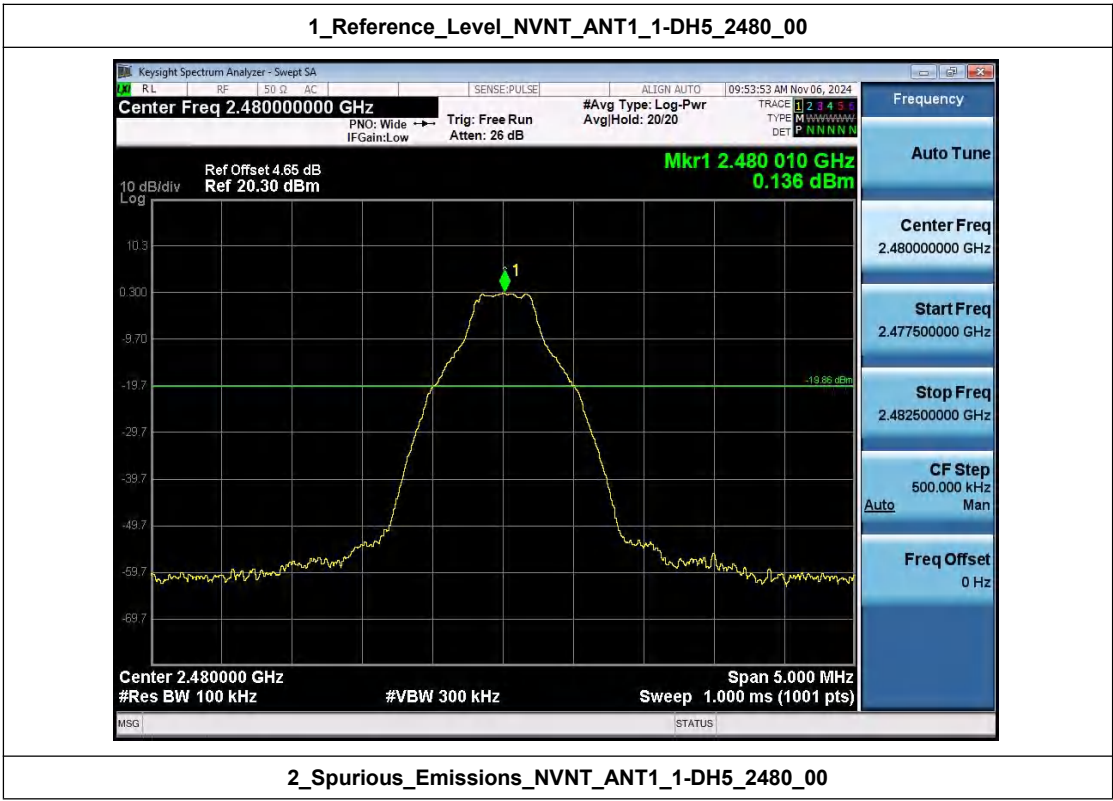
2_Spurious_Emissions_NVNT_ANT1_1-DH5_2402_00







1_Reference_Level_NVNT_ANT1_1-DH5_2480_00

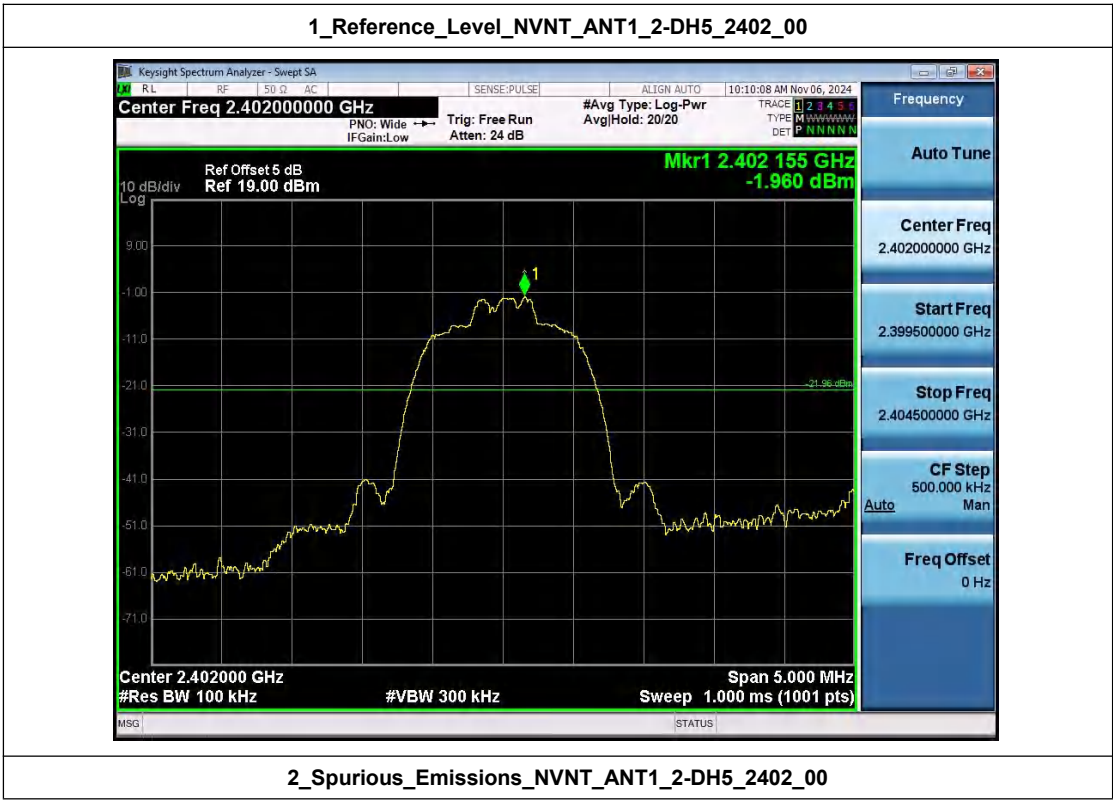


2_Spurious_Emissions_NVNT_ANT1_1-DH5_2480_00





1_Reference_Level_NVNT_ANT1_2-DH5_2402_00

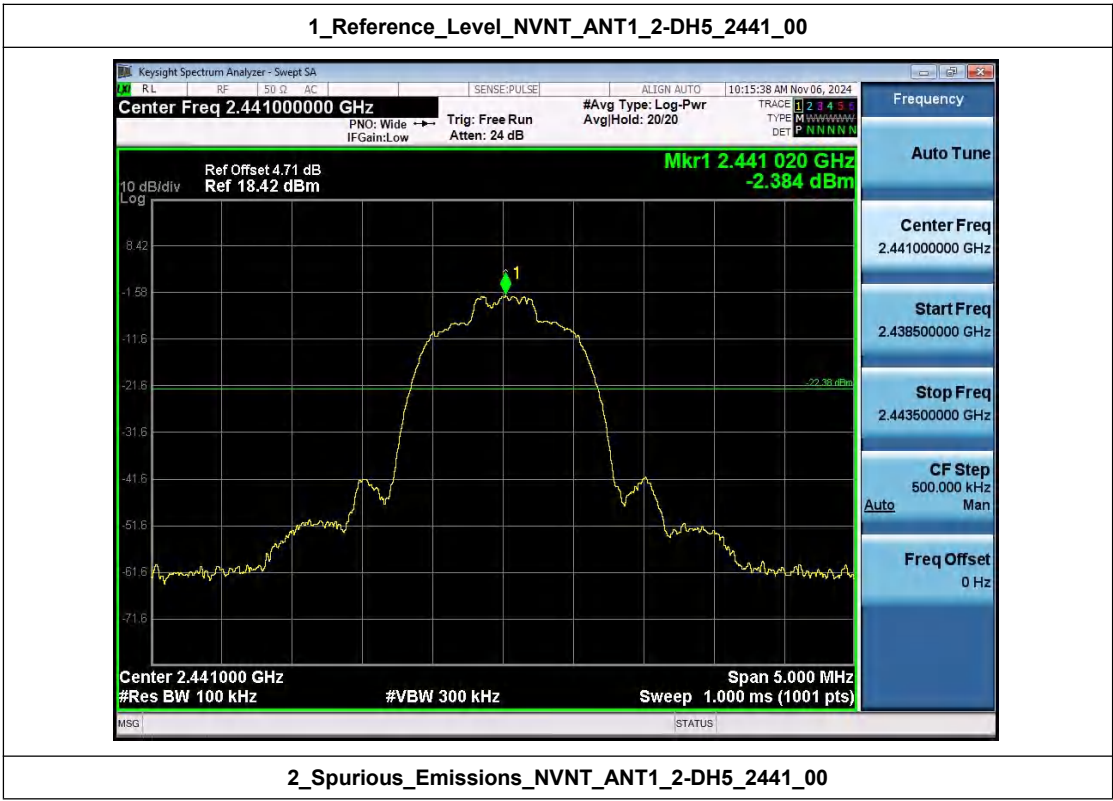


2_Spurious_Emissions_NVNT_ANT1_2-DH5_2402_00





1_Reference_Level_NVNT_ANT1_2-DH5_2441_00

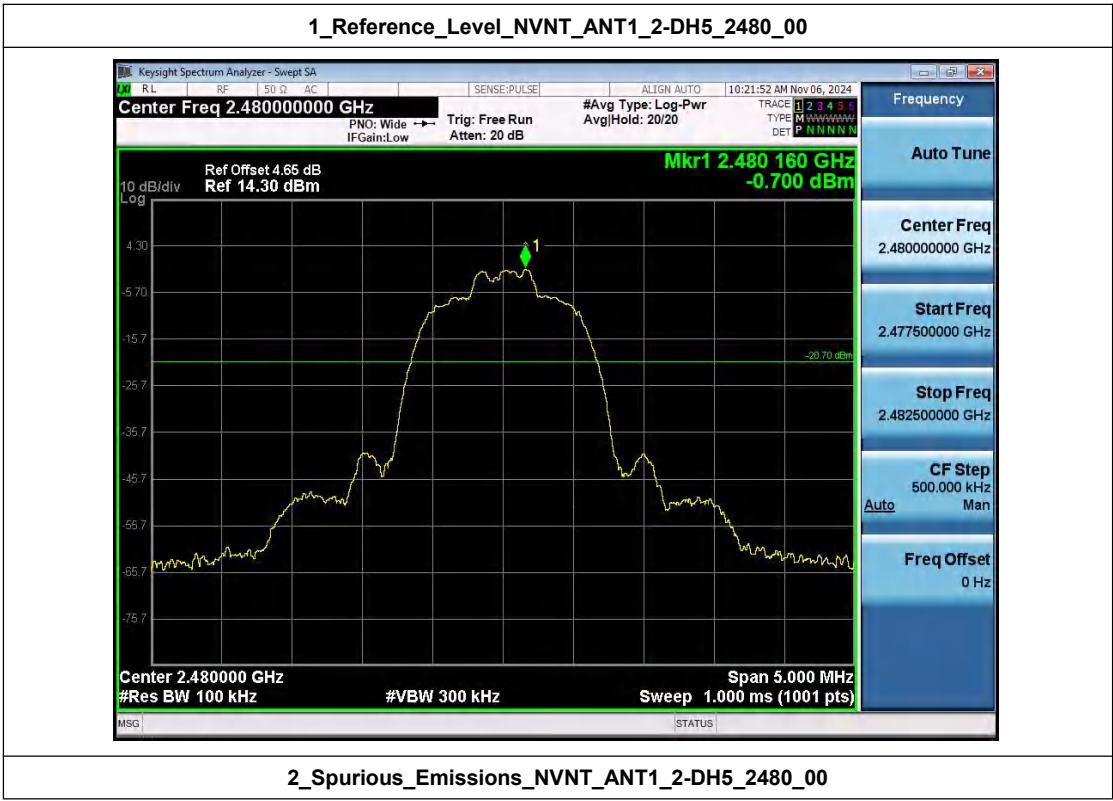


2_Spurious_Emissions_NVNT_ANT1_2-DH5_2441_00





1_Reference_Level_NVNT_ANT1_2-DH5_2480_00

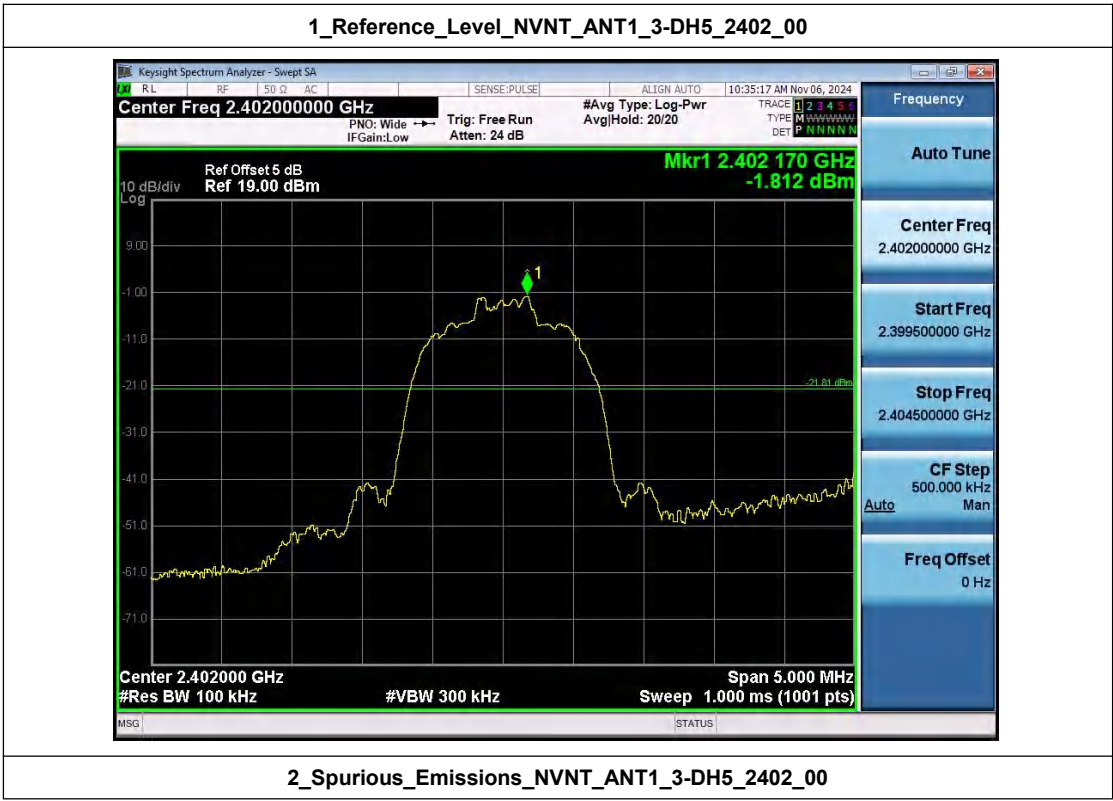


2_Spurious_Emissions_NVNT_ANT1_2-DH5_2480_00



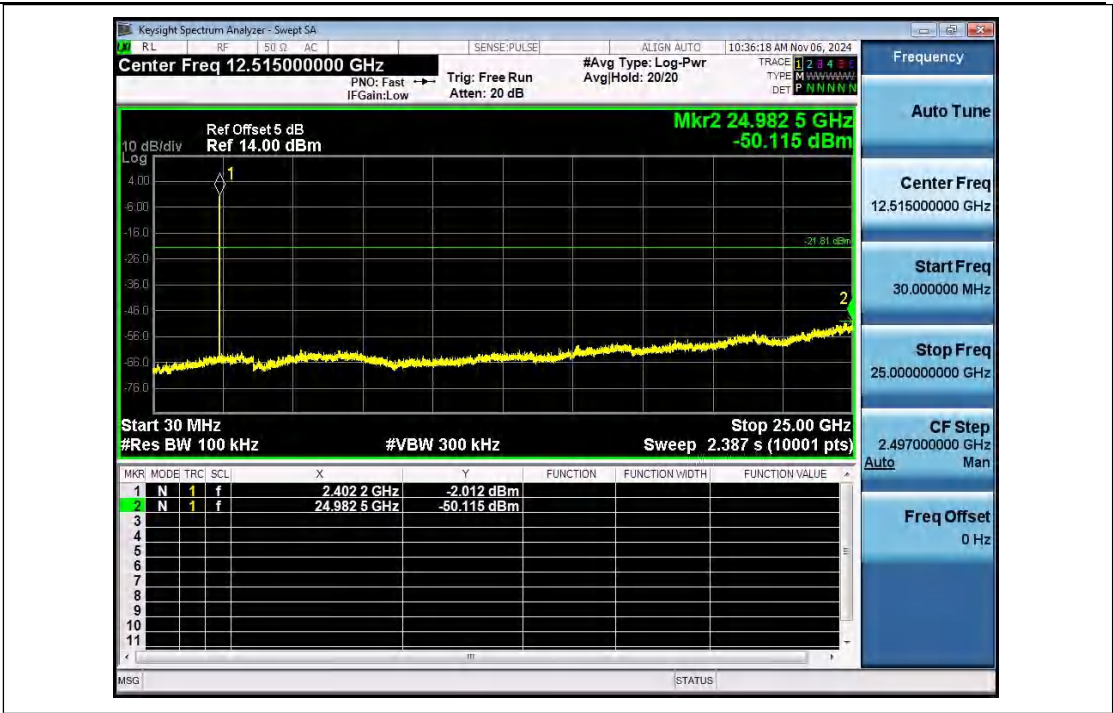


1_Reference_Level_NVNT_ANT1_3-DH5_2402_00

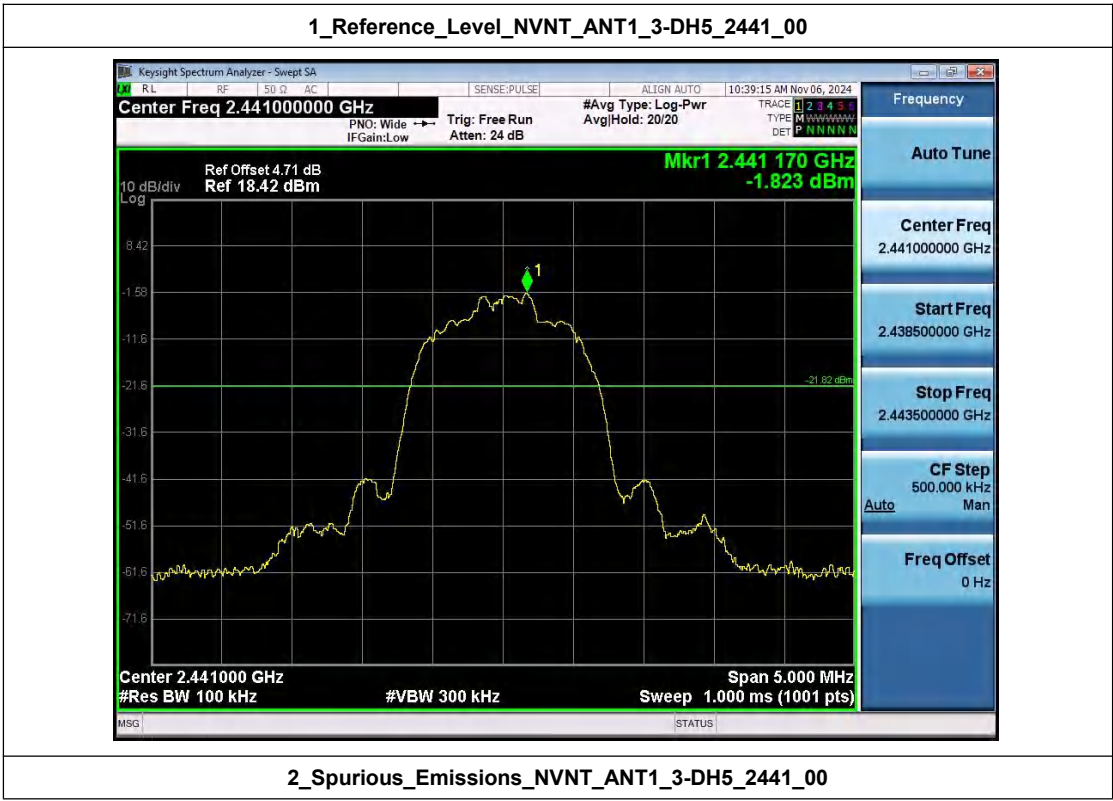


2_Spurious_Emissions_NVNT_ANT1_3-DH5_2402_00



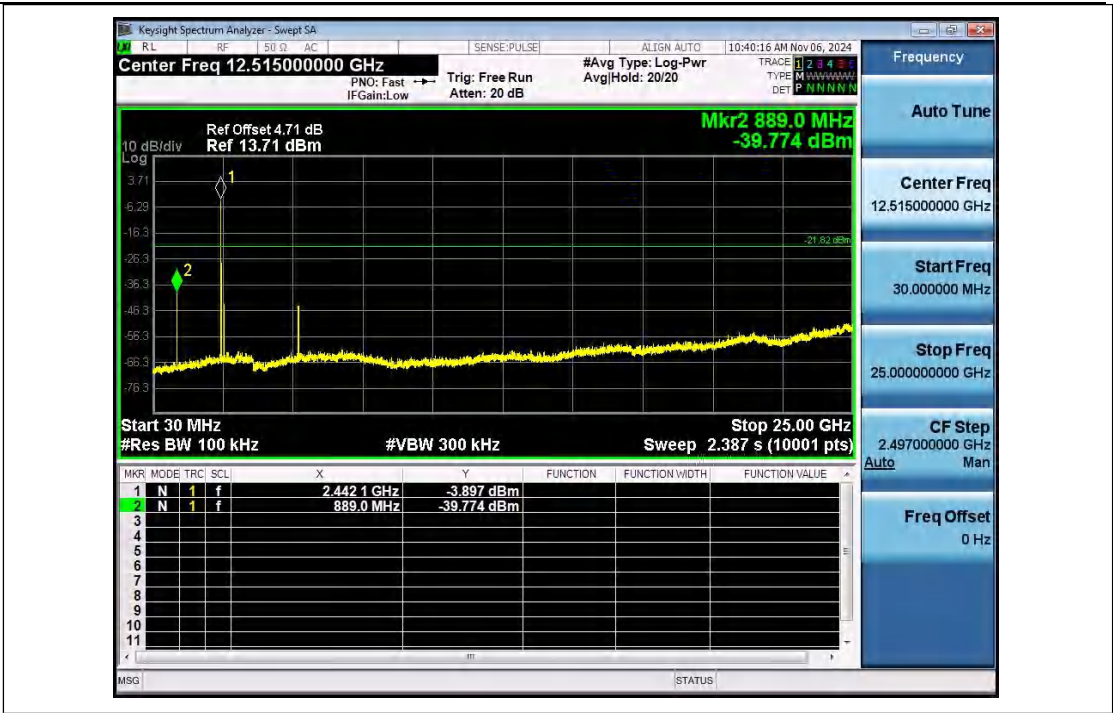


1_Reference_Level_NVNT_ANT1_3-DH5_2441_00

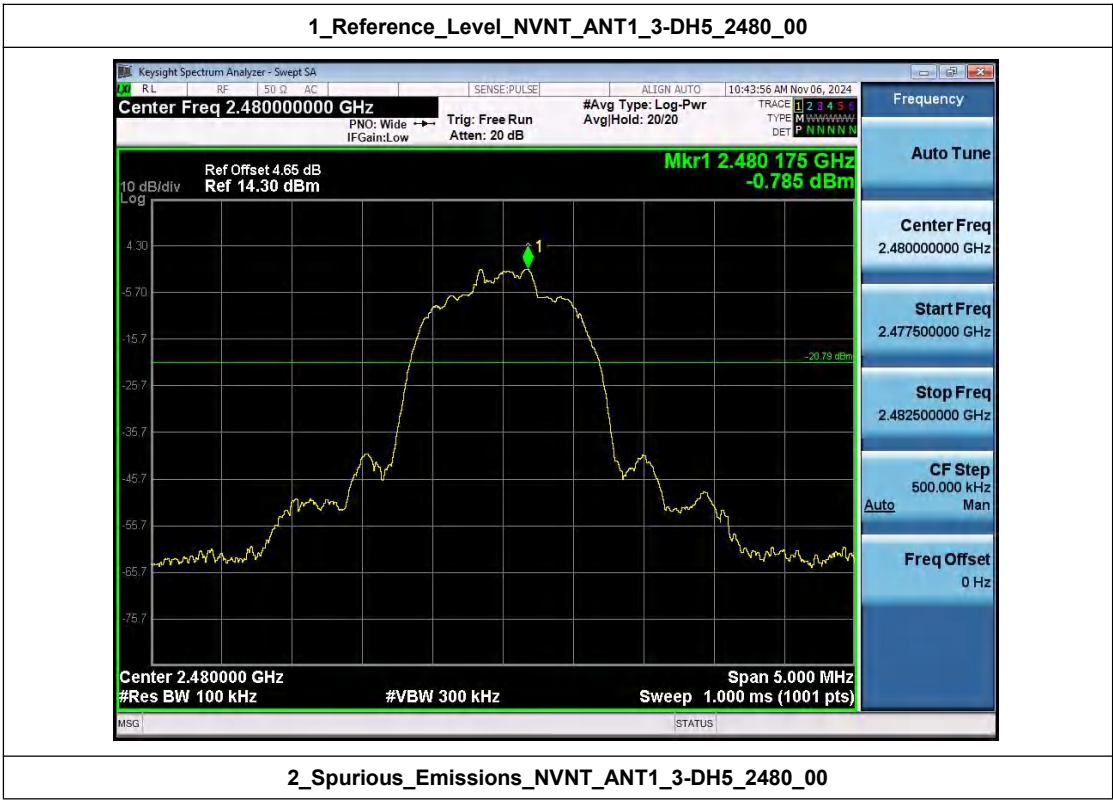


2_Spurious_Emissions_NVNT_ANT1_3-DH5_2441_00





1_Reference_Level_NVNT_ANT1_3-DH5_2480_00



2_Spurious_Emissions_NVNT_ANT1_3-DH5_2480_00





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Appendix F: Bandedge

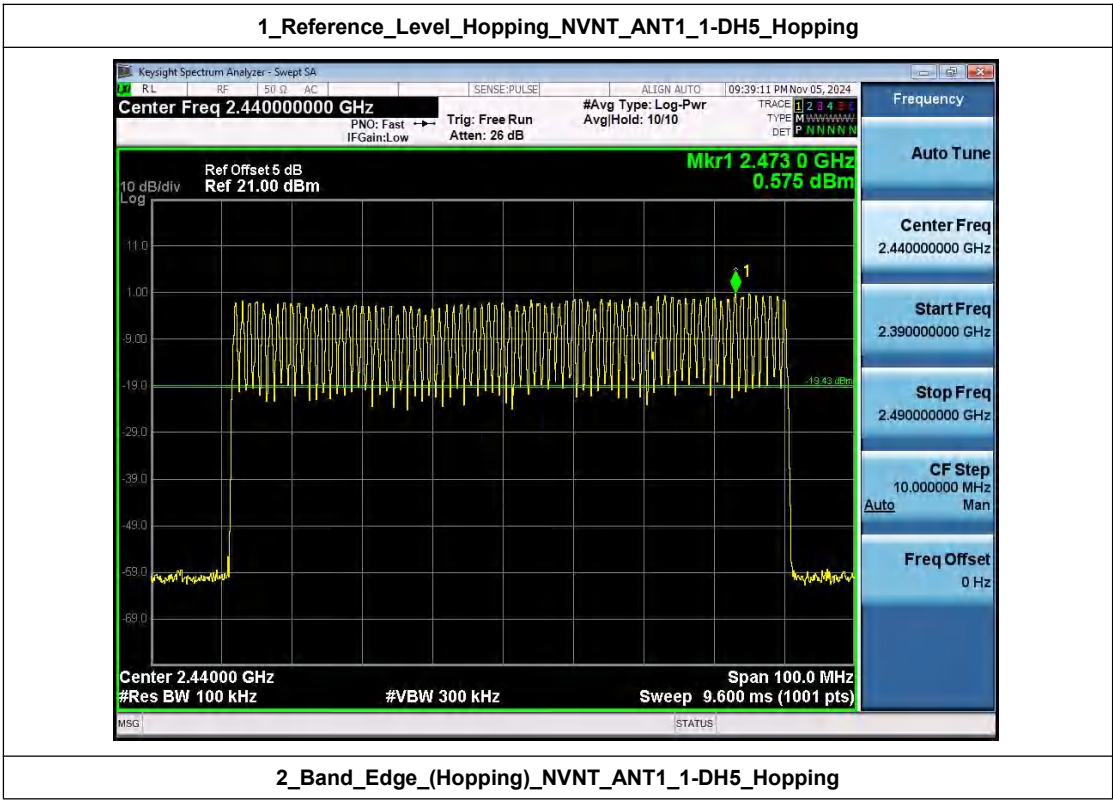
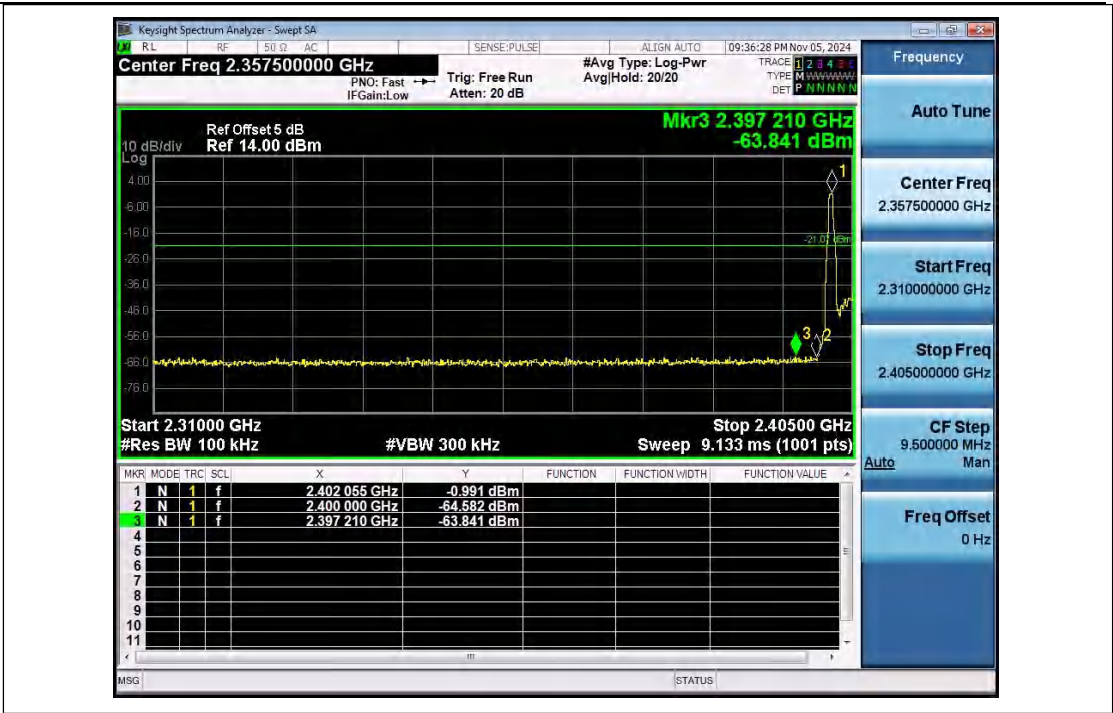
Condition	Antenna	Modulation	TX Mode	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-63.841	-21.070	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	-61.781	-19.425	Pass
NVNT	ANT1	1-DH5	2480.00	-62.467	-19.864	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	-62.649	-19.927	Pass
NVNT	ANT1	2-DH5	2402.00	-61.509	-21.960	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	-65.714	-20.212	Pass
NVNT	ANT1	2-DH5	2480.00	-66.915	-20.700	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	-64.354	-20.704	Pass
NVNT	ANT1	3-DH5	2402.00	-61.934	-21.812	Pass
NVNT	ANT1	3-DH5	Hopping_LCH	-60.814	-21.917	Pass
NVNT	ANT1	3-DH5	2480.00	-66.433	-20.785	Pass
NVNT	ANT1	3-DH5	Hopping_HCH	-68.291	-20.769	Pass

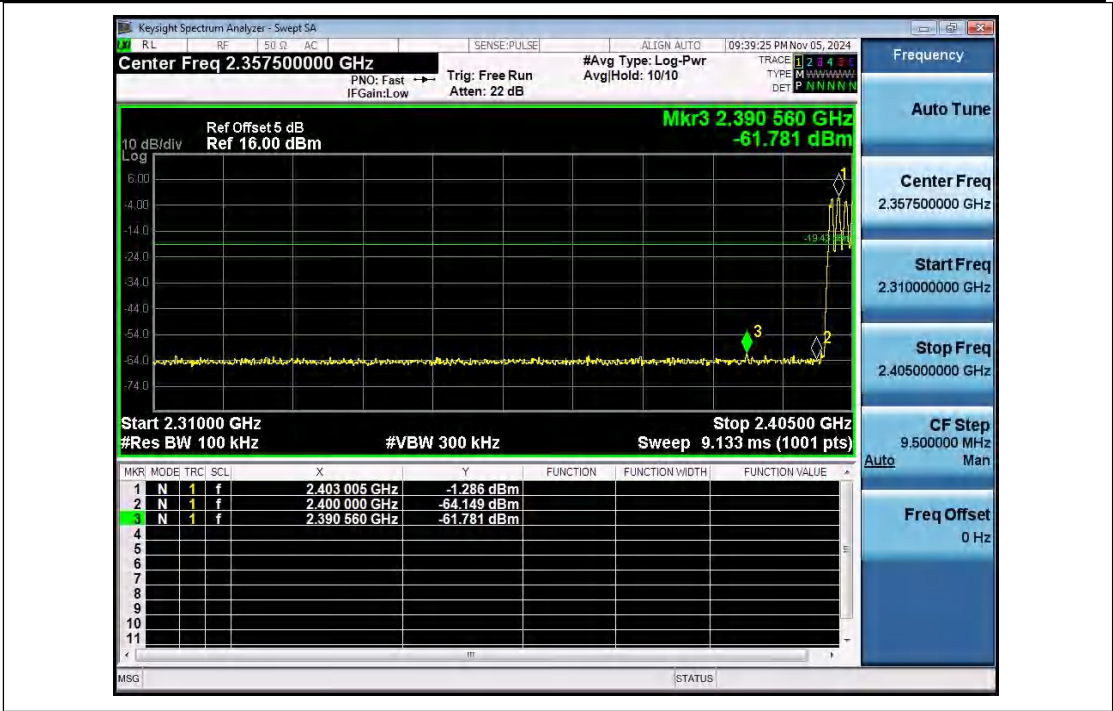
1_Reference_Level_NVNT_ANT1_1-DH5_2402_00



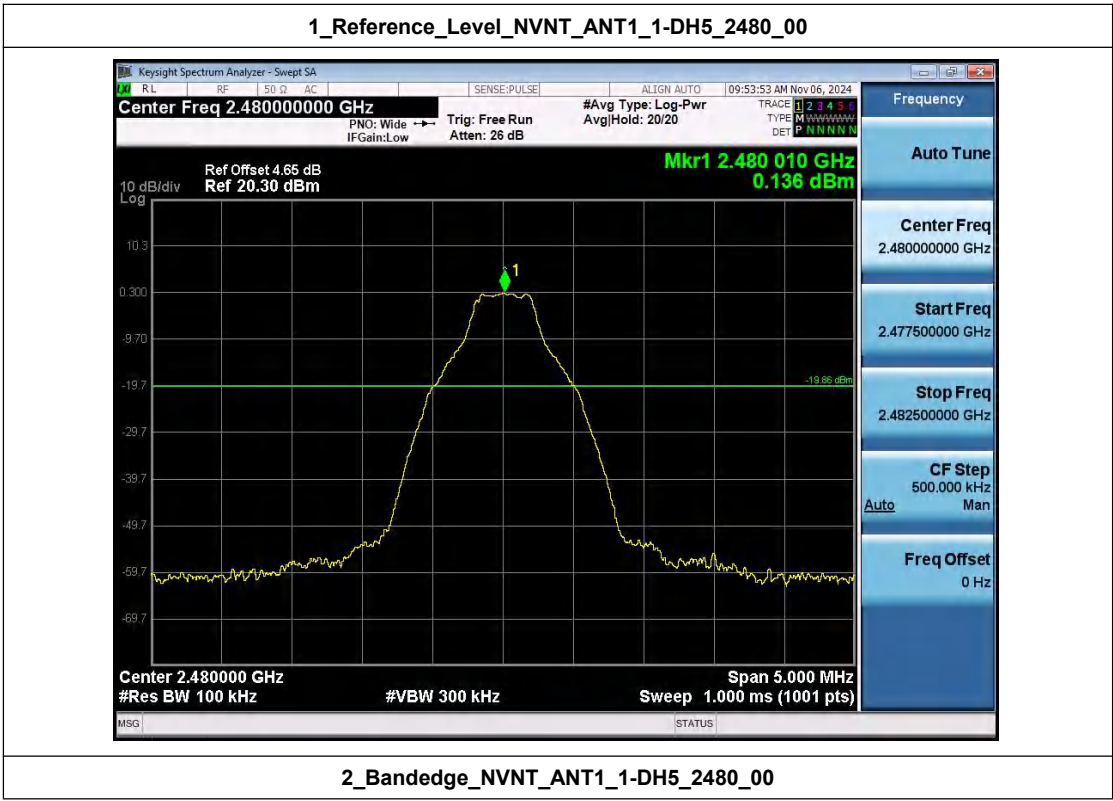
2_Bandedge_NVNT_ANT1_1-DH5_2402_00





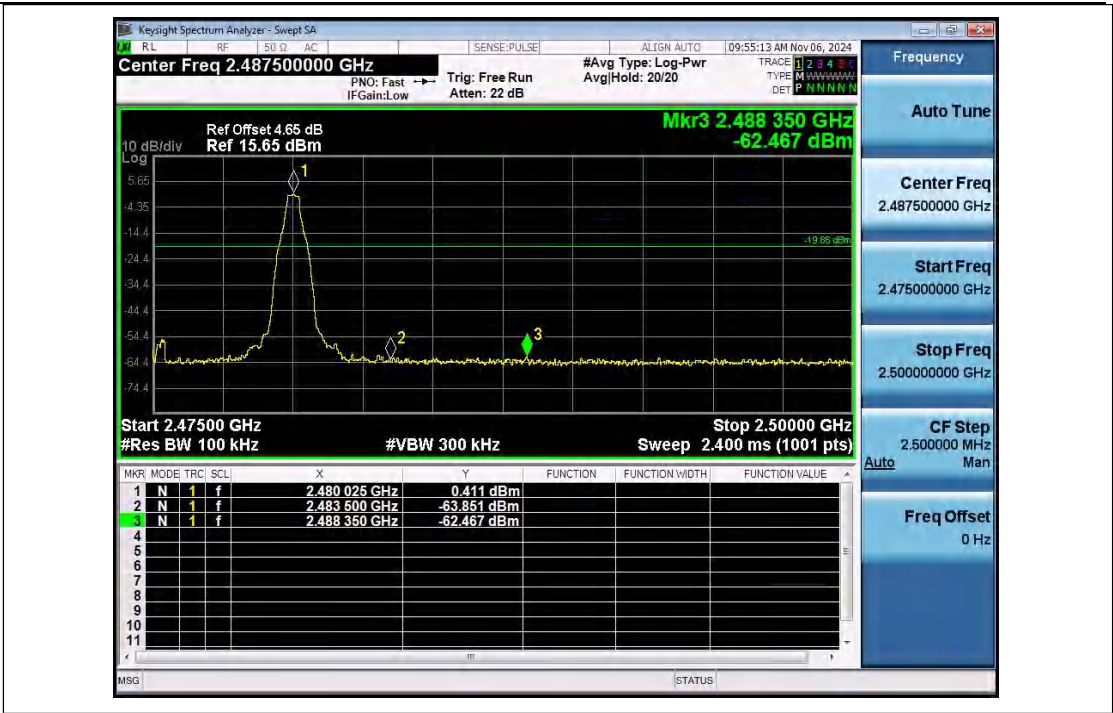


1_Reference_Level_NVNT_ANT1_1-DH5_2480_00

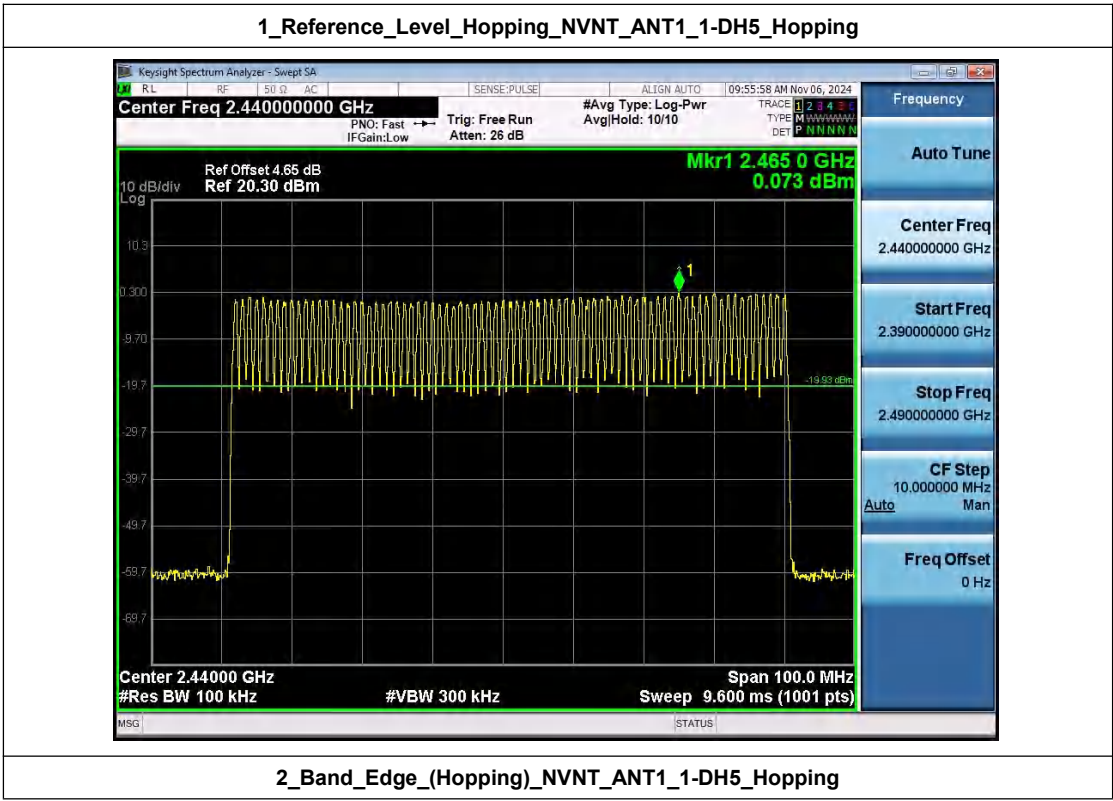


2_Bandedge_NVNT_ANT1_1-DH5_2480_00



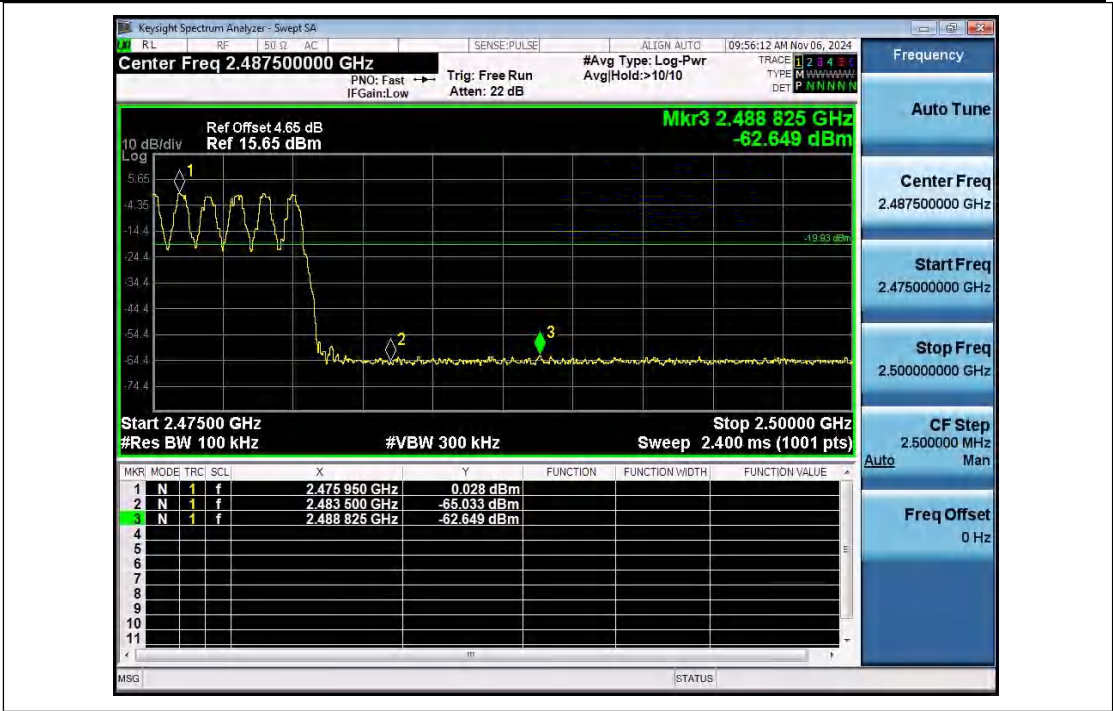


1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping

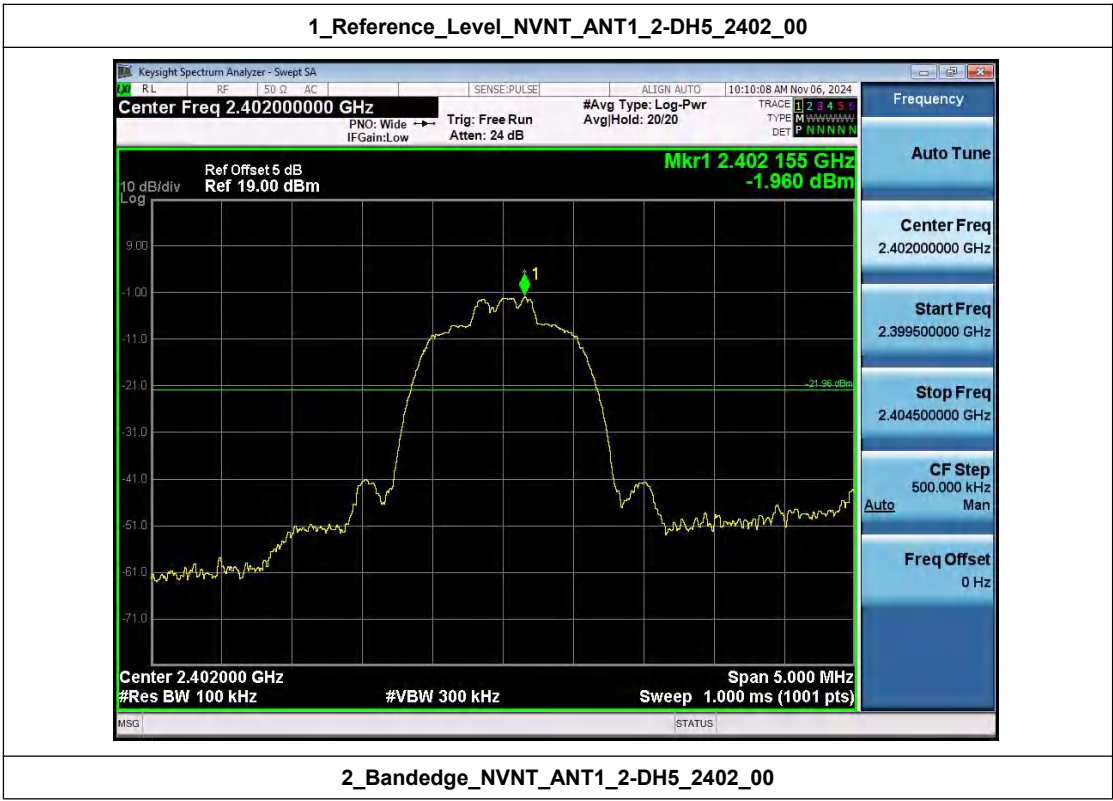


2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



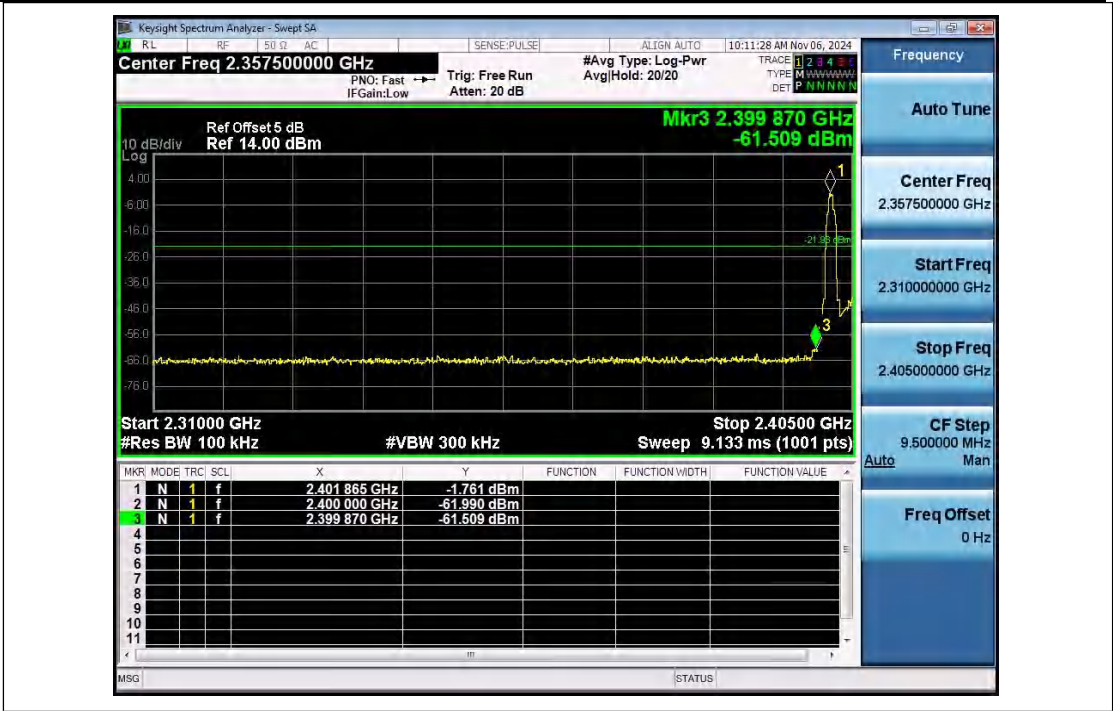


1_Reference_Level_NVNT_ANT1_2-DH5_2402_00

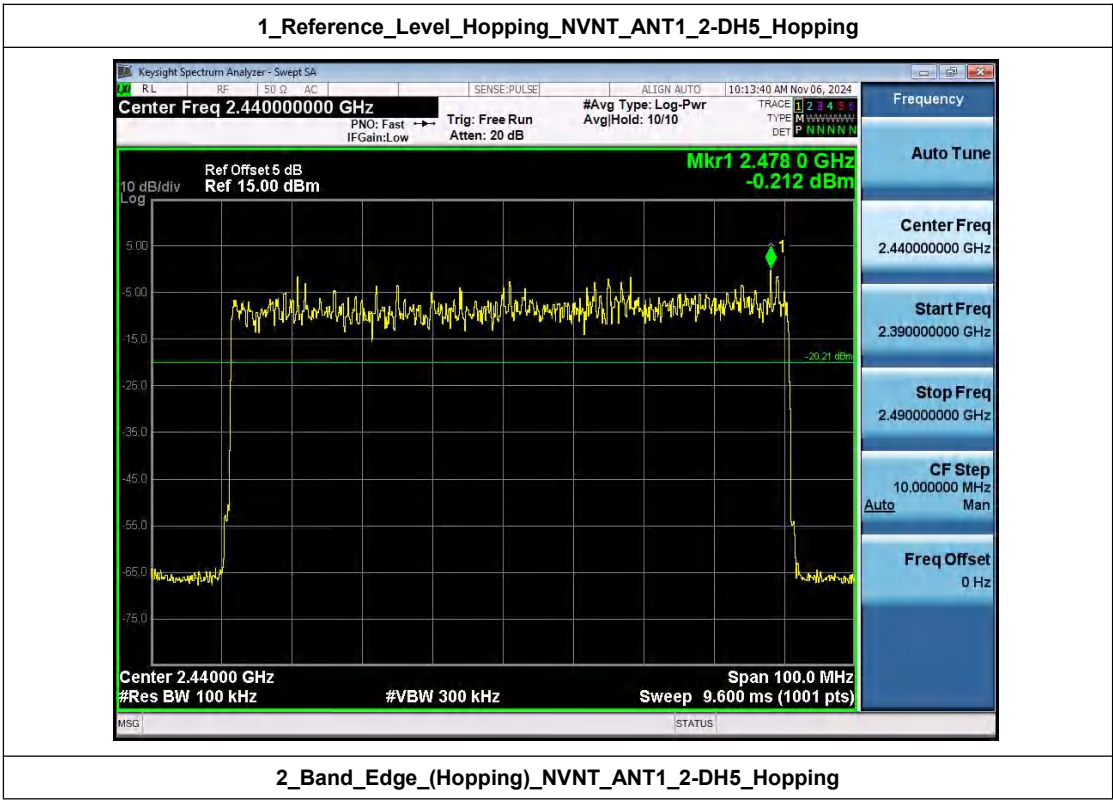


2_Bandedge_NVNT_ANT1_2-DH5_2402_00



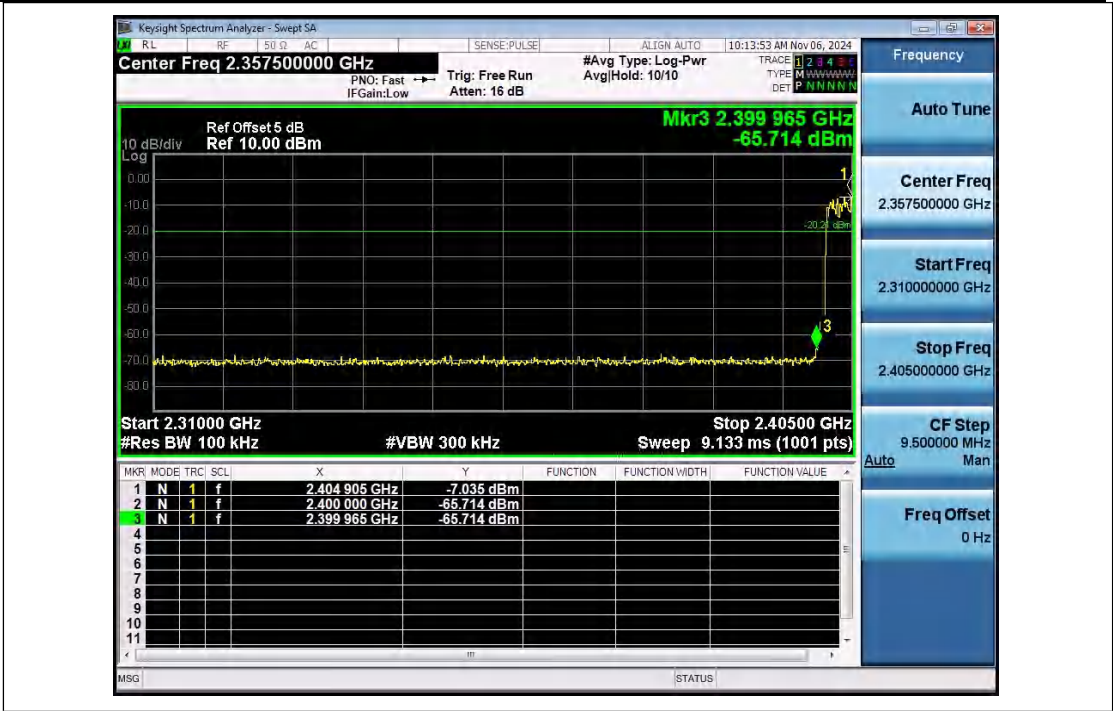


1_Reference_Level_Hopping_NVNT_ANT1_2-DH5_Hopping

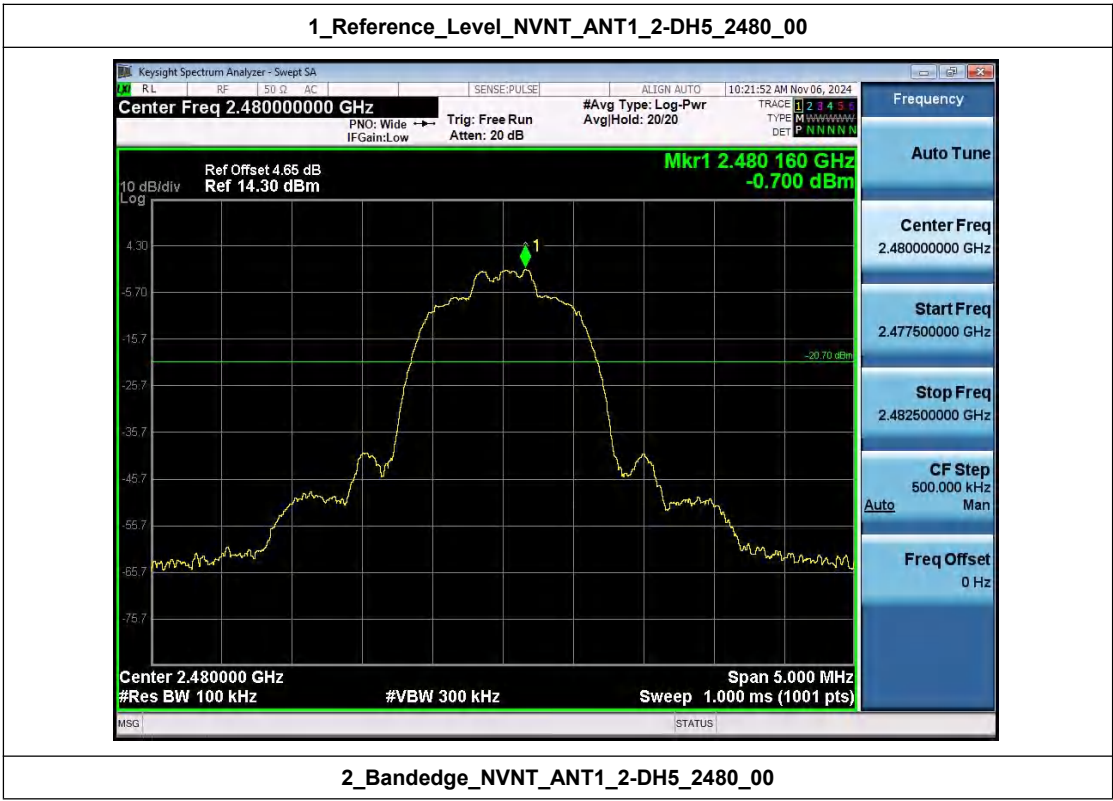


2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping



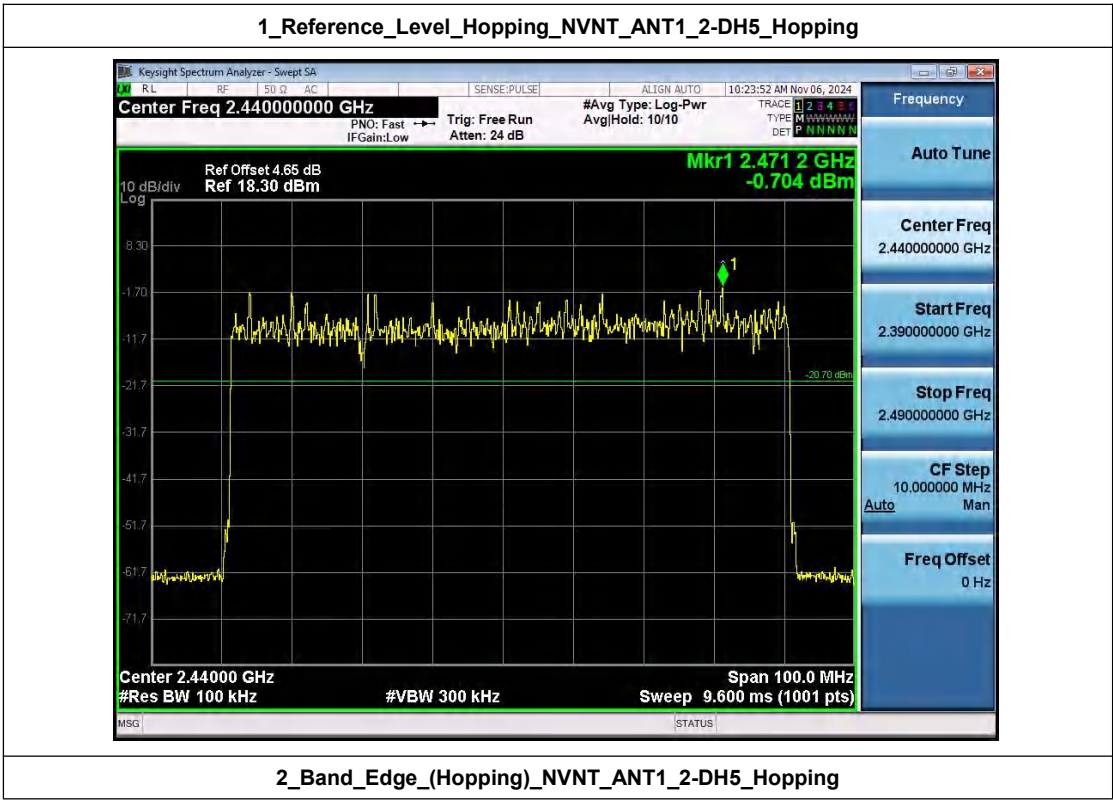
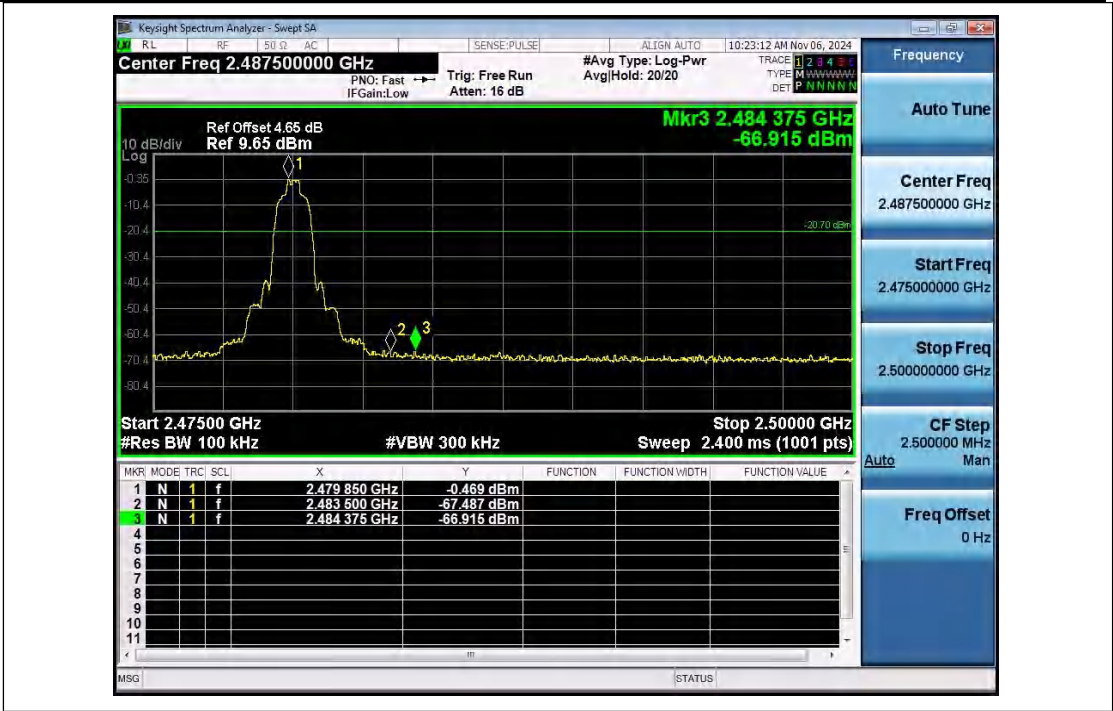


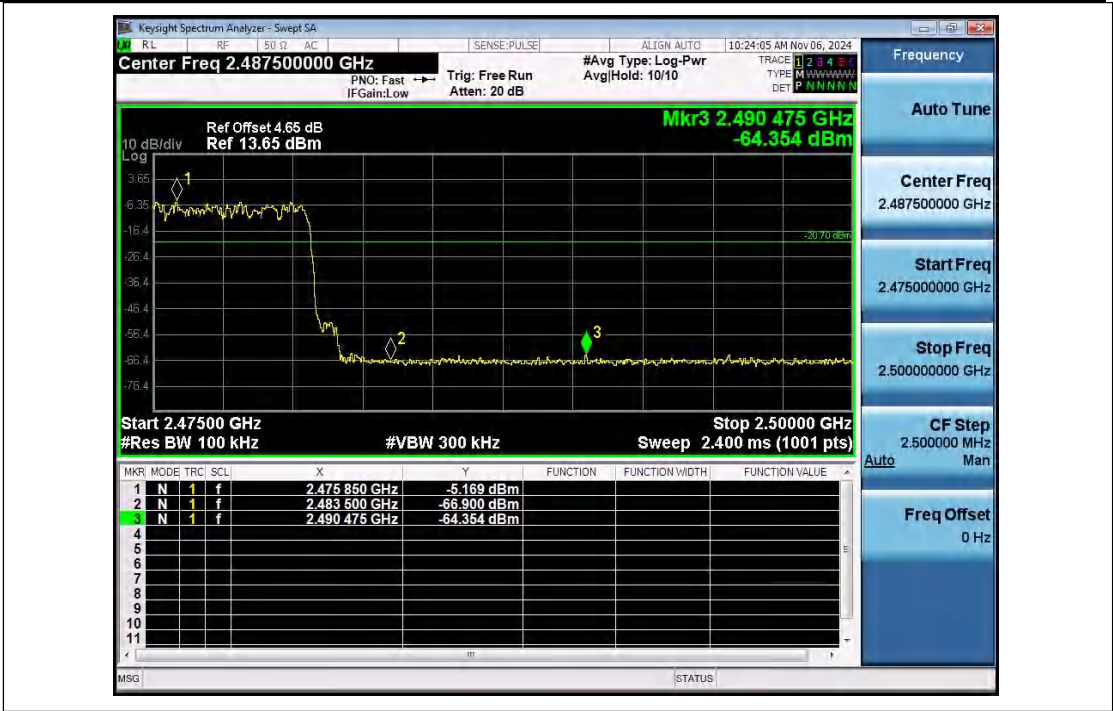
1_Reference_Level_NVNT_ANT1_2-DH5_2480_00



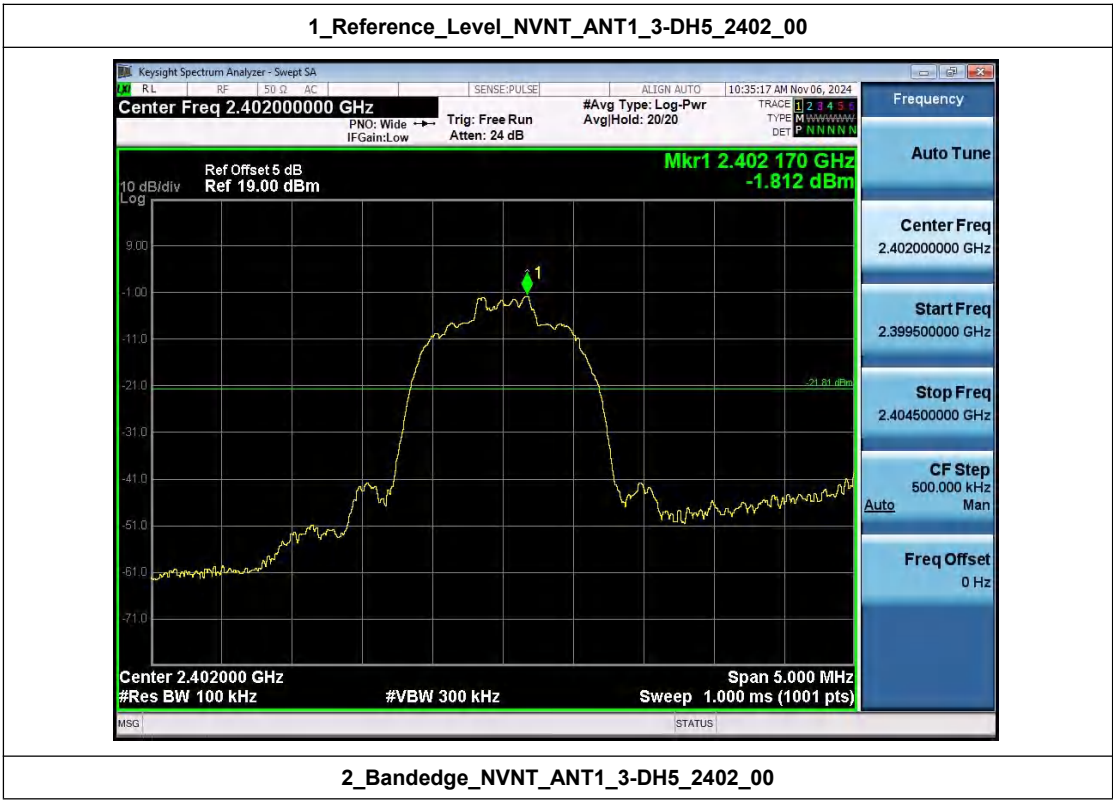
2_Bandedge_NVNT_ANT1_2-DH5_2480_00





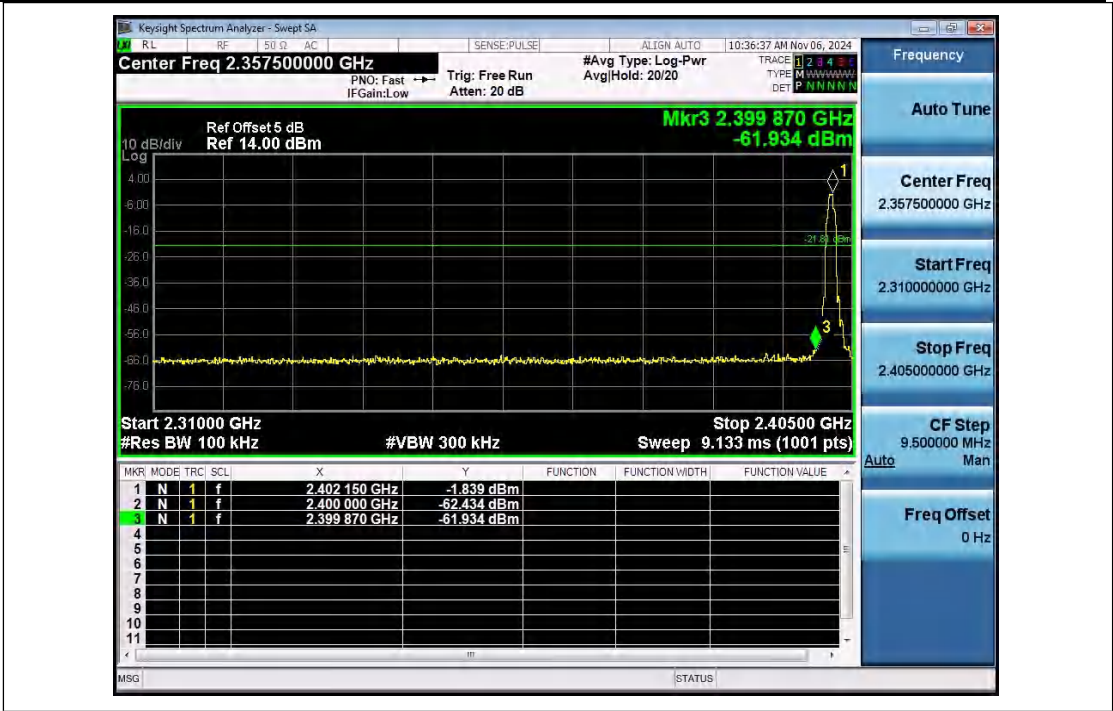


1_Reference_Level_NVNT_ANT1_3-DH5_2402_00

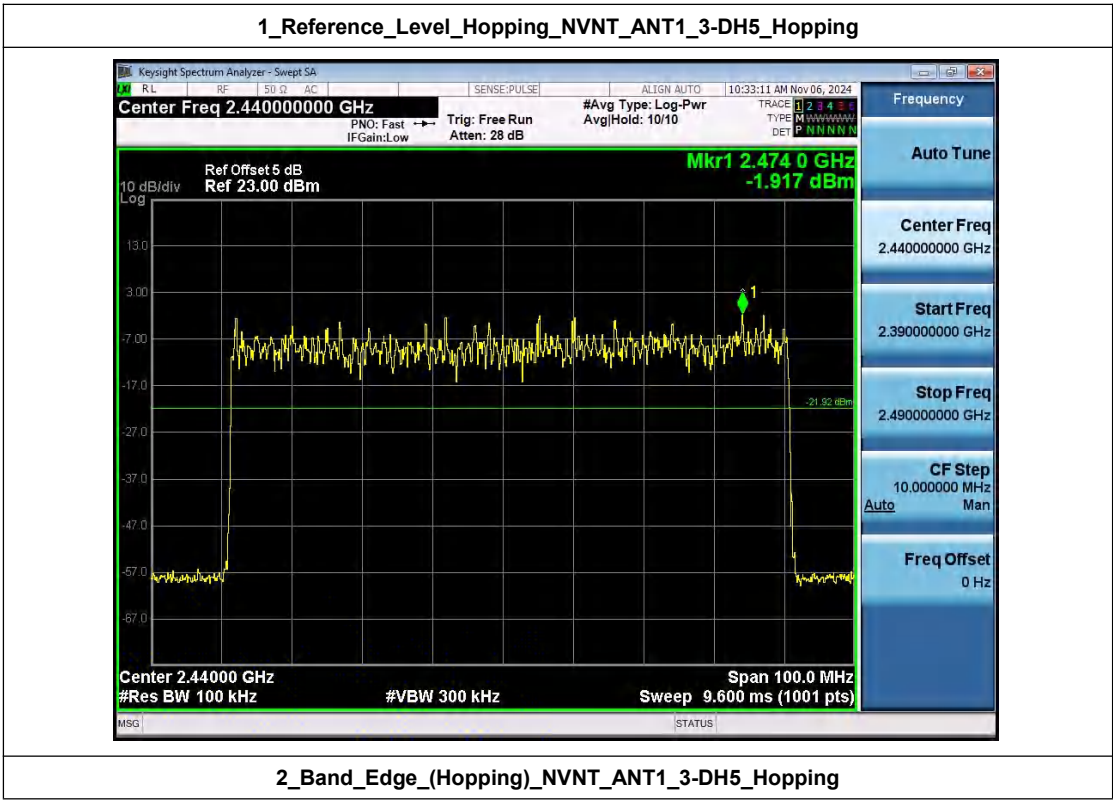


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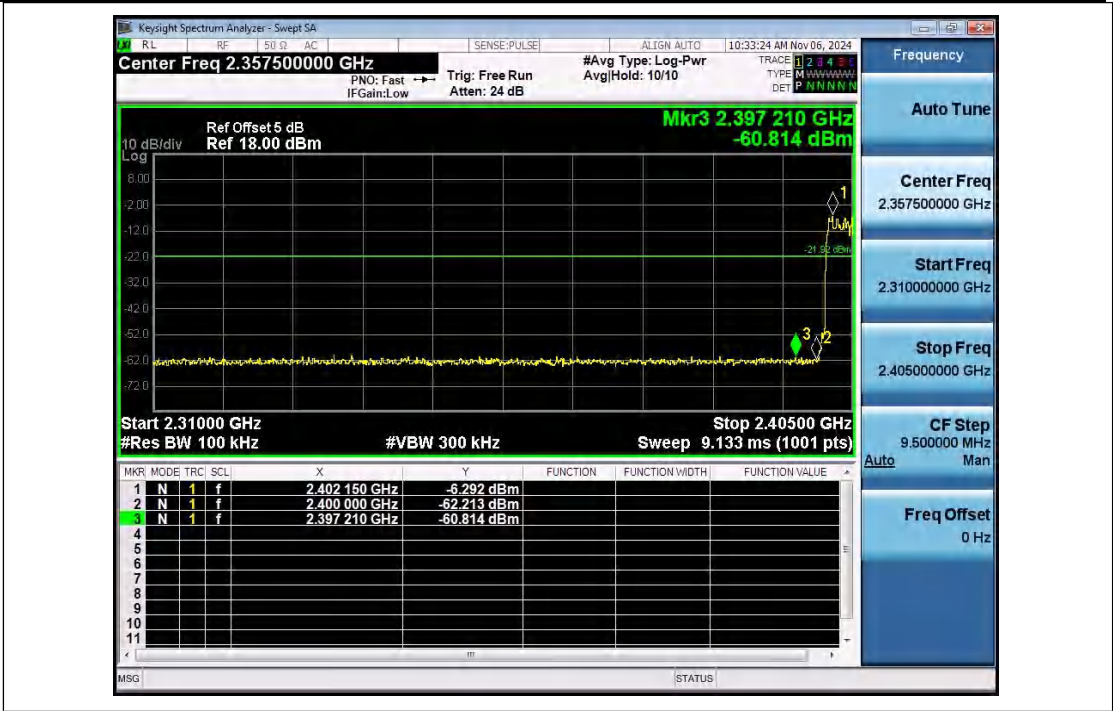


1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping

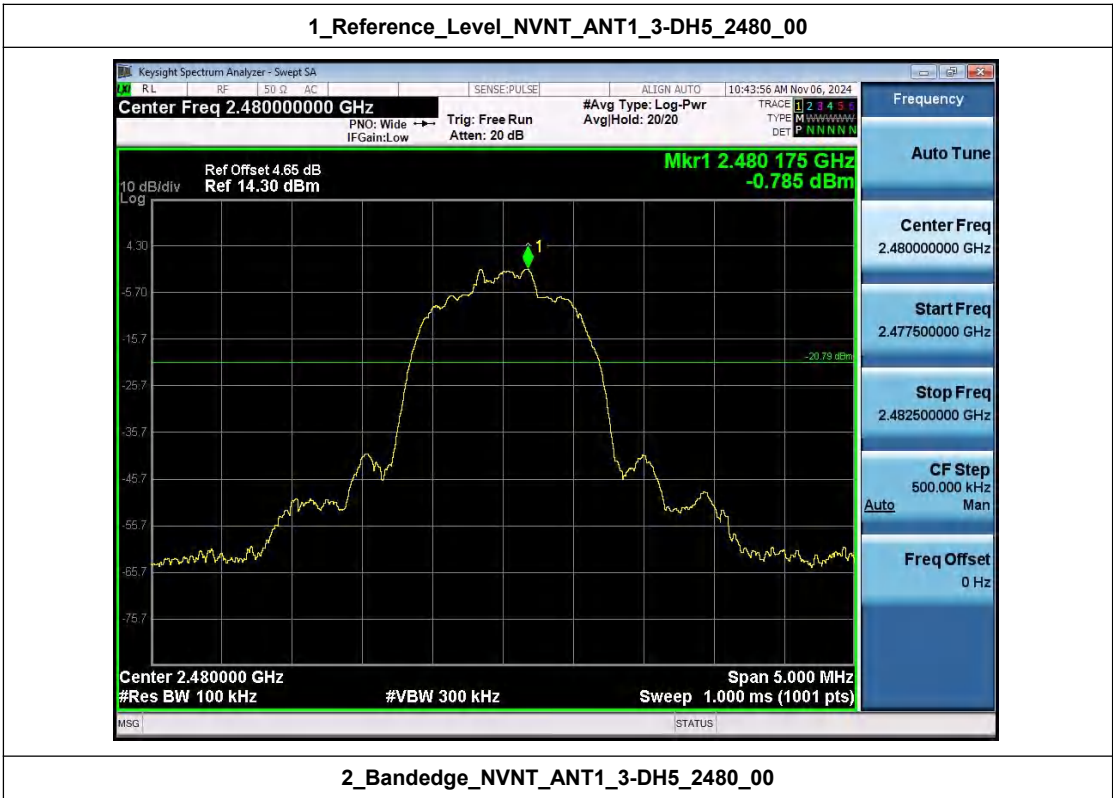


2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping



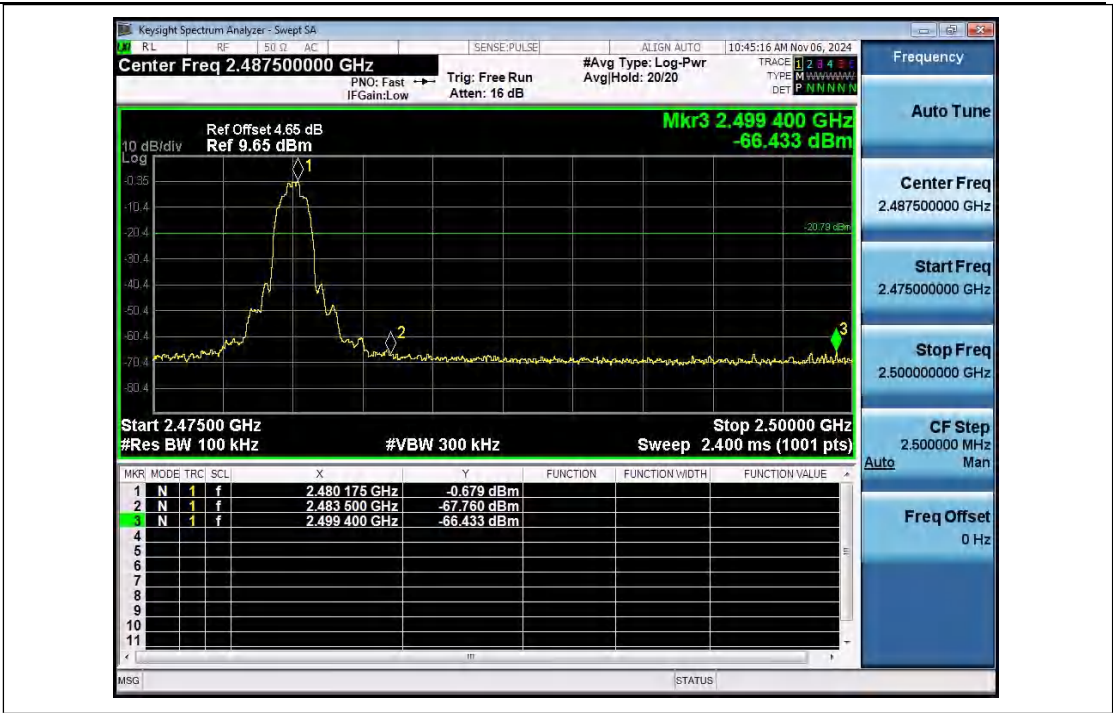


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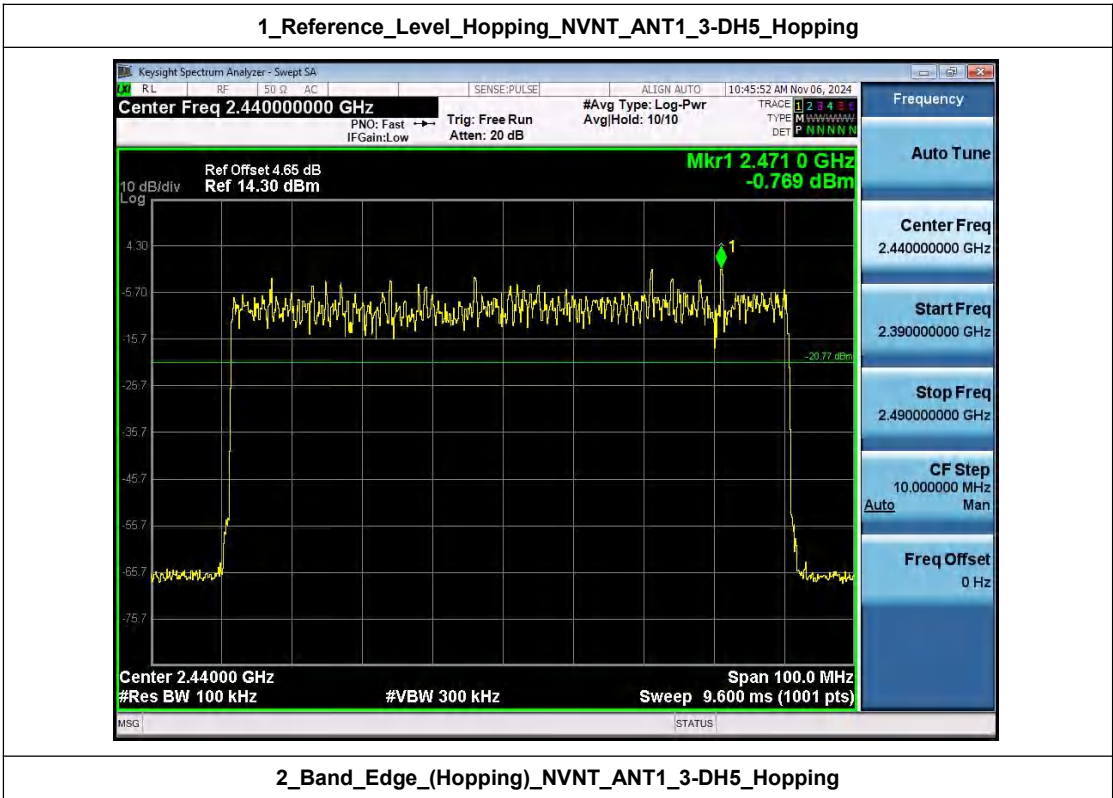


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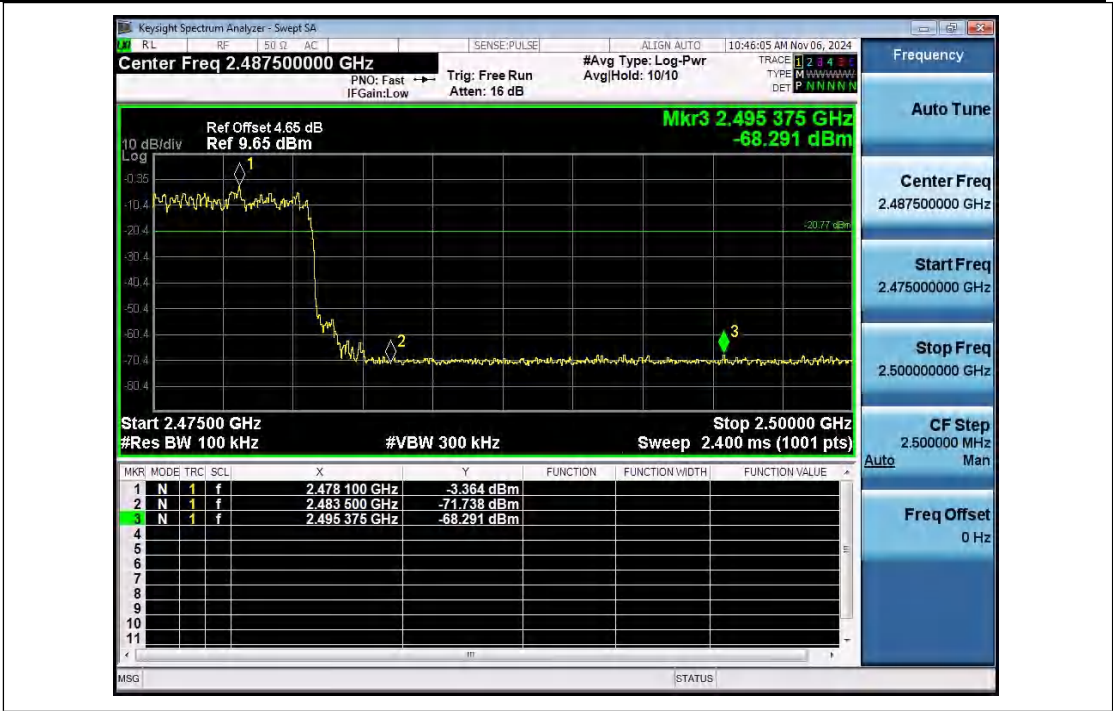


1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping





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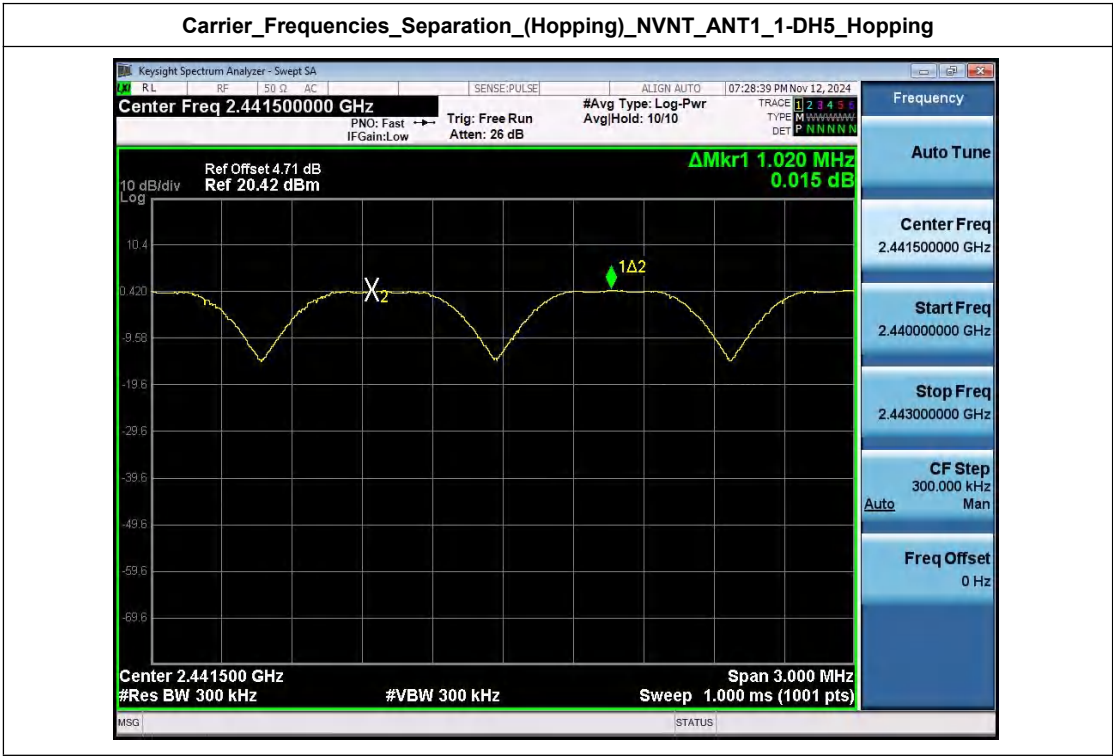
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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotek.com

Hotline
400-003-0500
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Appendix G: Carrier Frequencies Separation (Hopping)

Condition	Antenna	Modulation	Frequency(MHz)	Hopping NO.0 (MHz)	Hopping NO.1 (MHz)	Carrier Frequencies Separation(MHz)	Limit(MHz)	Result
NVNT	ANT1	1-DH5	2441.00	2440.942	2441.962	1.02	0.845	Pass
NVNT	ANT1	2-DH5	2441.00	2440.852	2441.857	1.00	0.845	Pass
NVNT	ANT1	3-DH5	2441.00	2440.822	2442.118	1.30	0.862	Pass

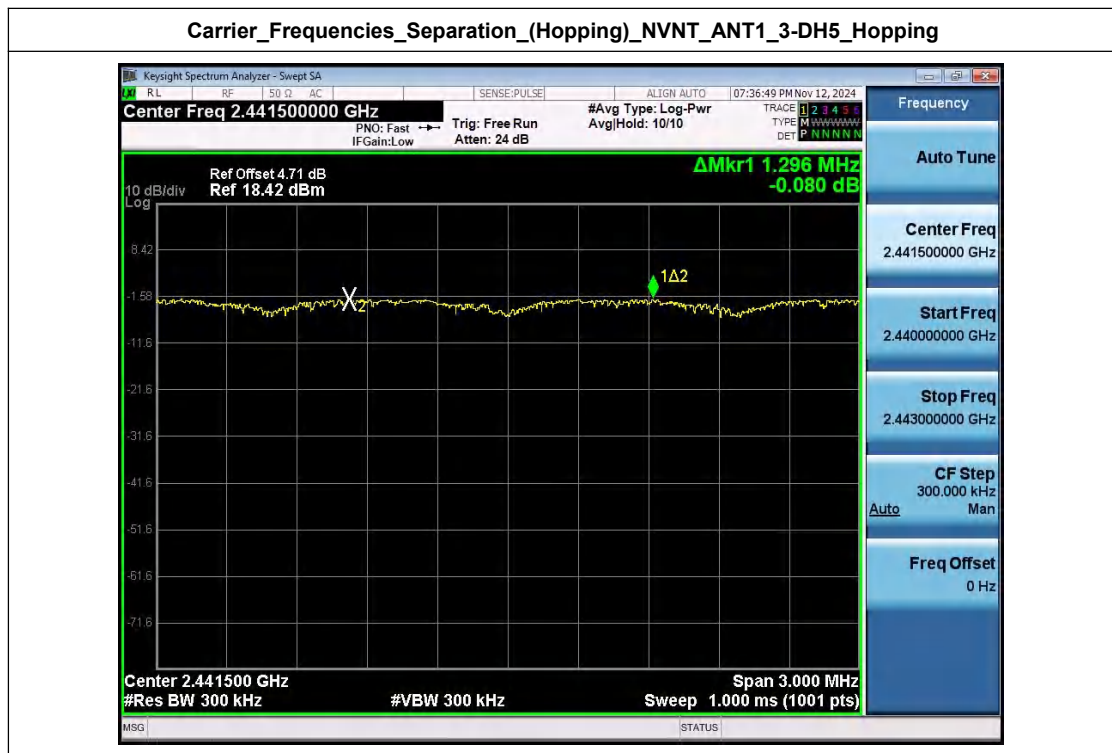


Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH5_Hopping





Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH5_Hopping



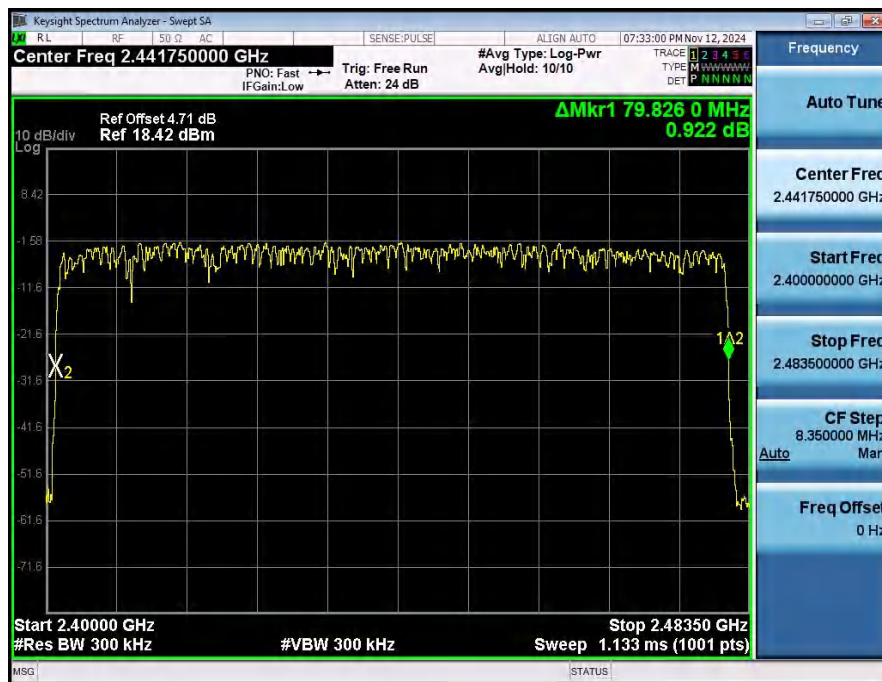
Appendix H: Number of Hopping Channel (Hopping)

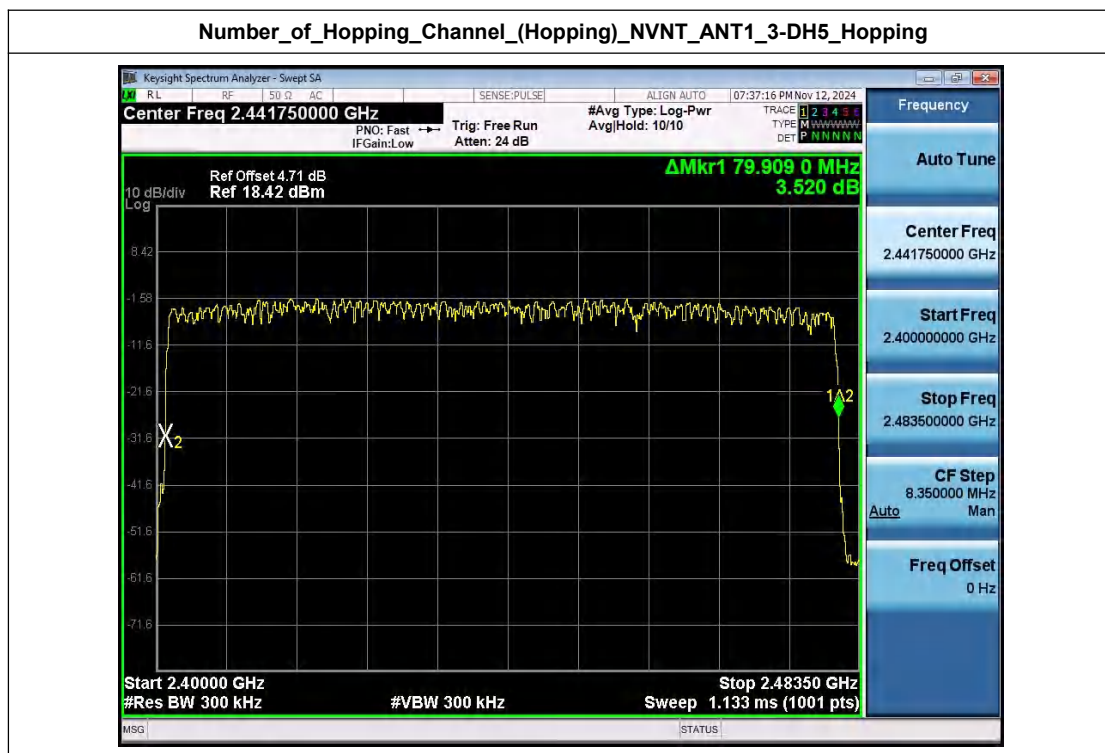
Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	1-DH5	79	15	Pass
NVNT	ANT1	2-DH5	79	15	Pass
NVNT	ANT1	3-DH5	79	15	Pass

Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_1-DH5_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_2-DH5_Hopping





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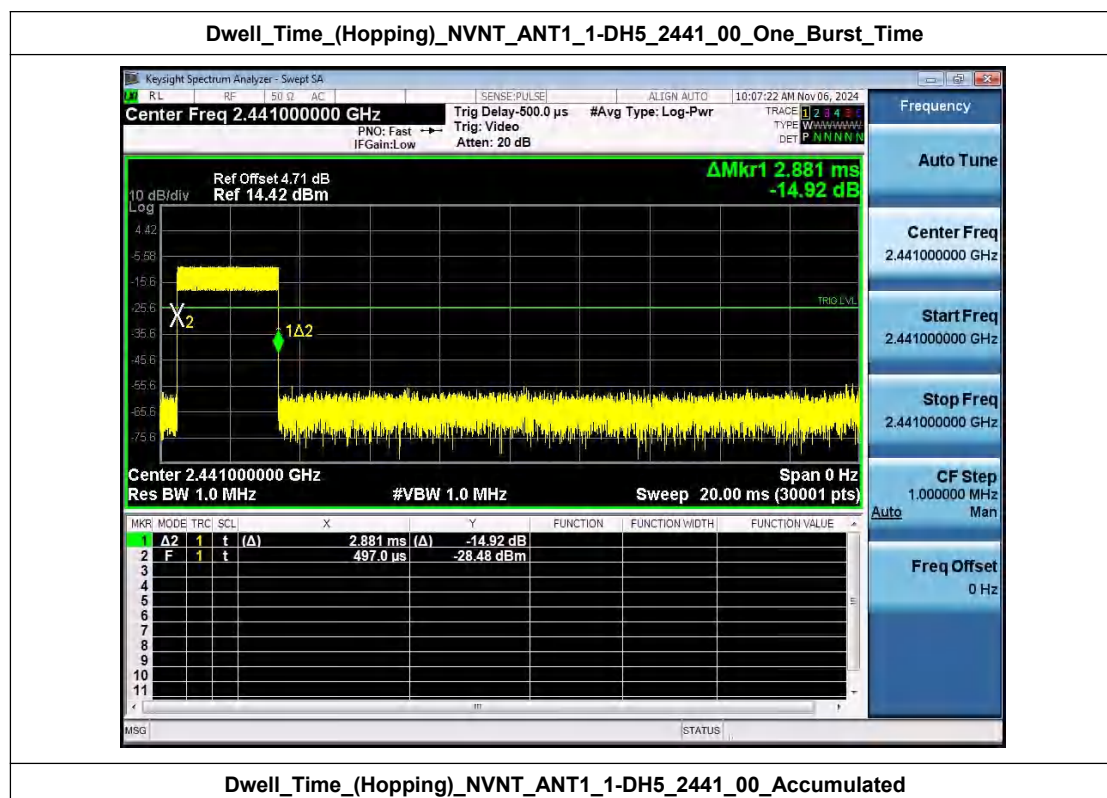


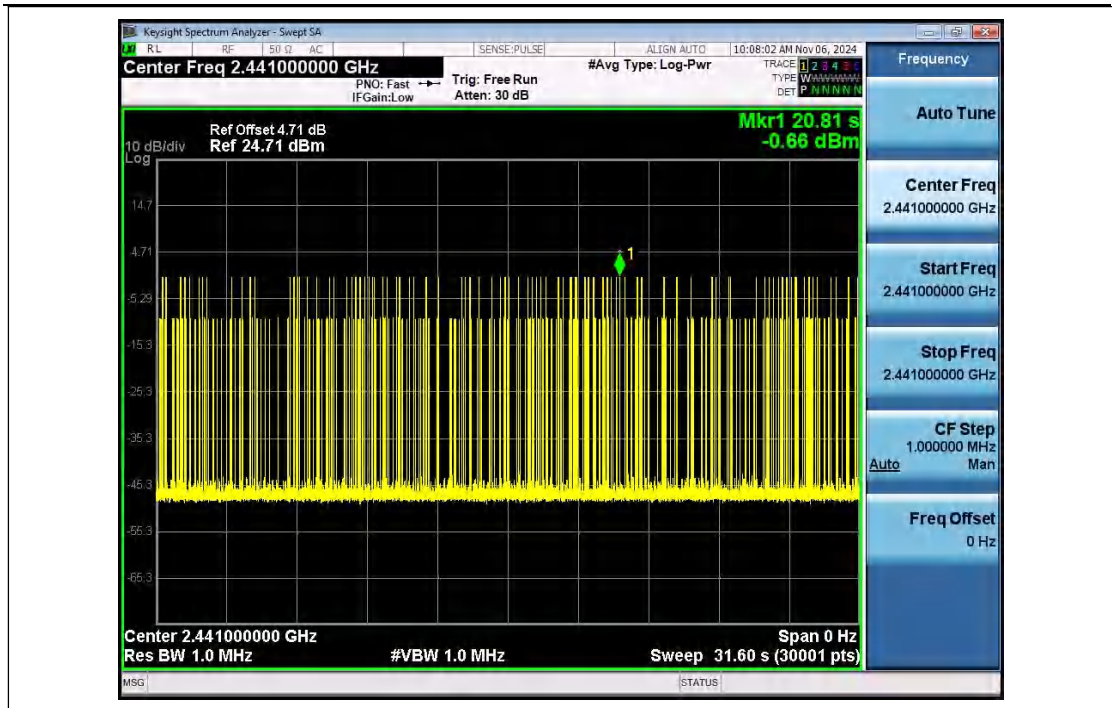
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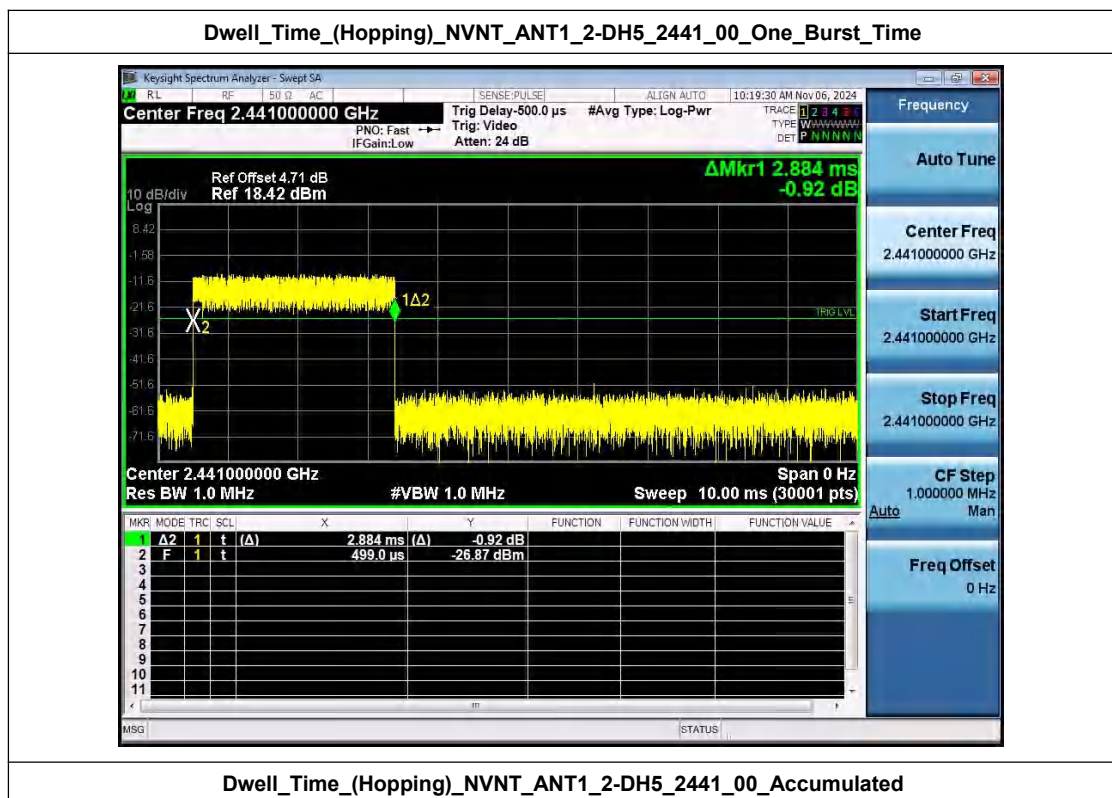
Appendix I: Dwell Time (Hopping)

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH5	2.881	111.00	319.791	0.40	Pass
NVNT	ANT1	2-DH5	2.884	119.00	343.196	0.40	Pass
NVNT	ANT1	3-DH5	2.886	116.00	334.776	0.40	Pass
NVNT	ANT1	1-DH1	0.376	320.00	120.320	0.40	Pass
NVNT	ANT1	1-DH3	1.632	1.00	1.632	0.40	Pass
NVNT	ANT1	2-DH1	0.384	1.00	0.384	0.40	Pass
NVNT	ANT1	2-DH3	1.636	162.00	265.032	0.40	Pass
NVNT	ANT1	3-DH1	0.384	1.00	0.384	0.40	Pass
NVNT	ANT1	3-DH3	1.635	160.00	261.600	0.40	Pass



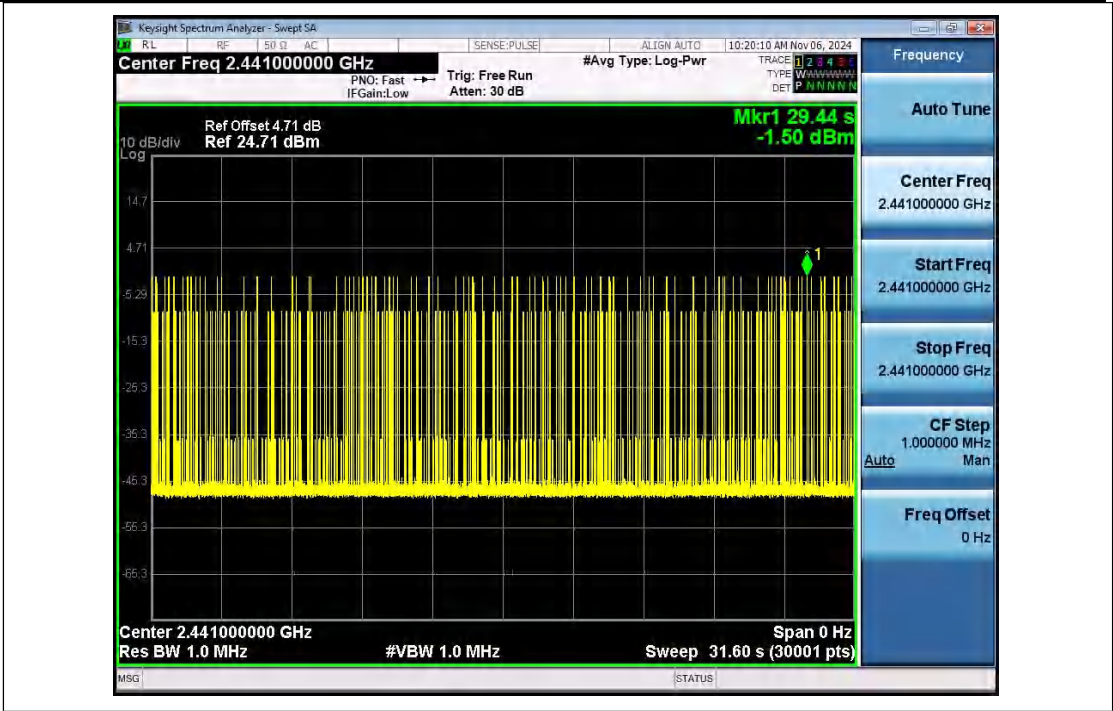


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_One_Burst_Time

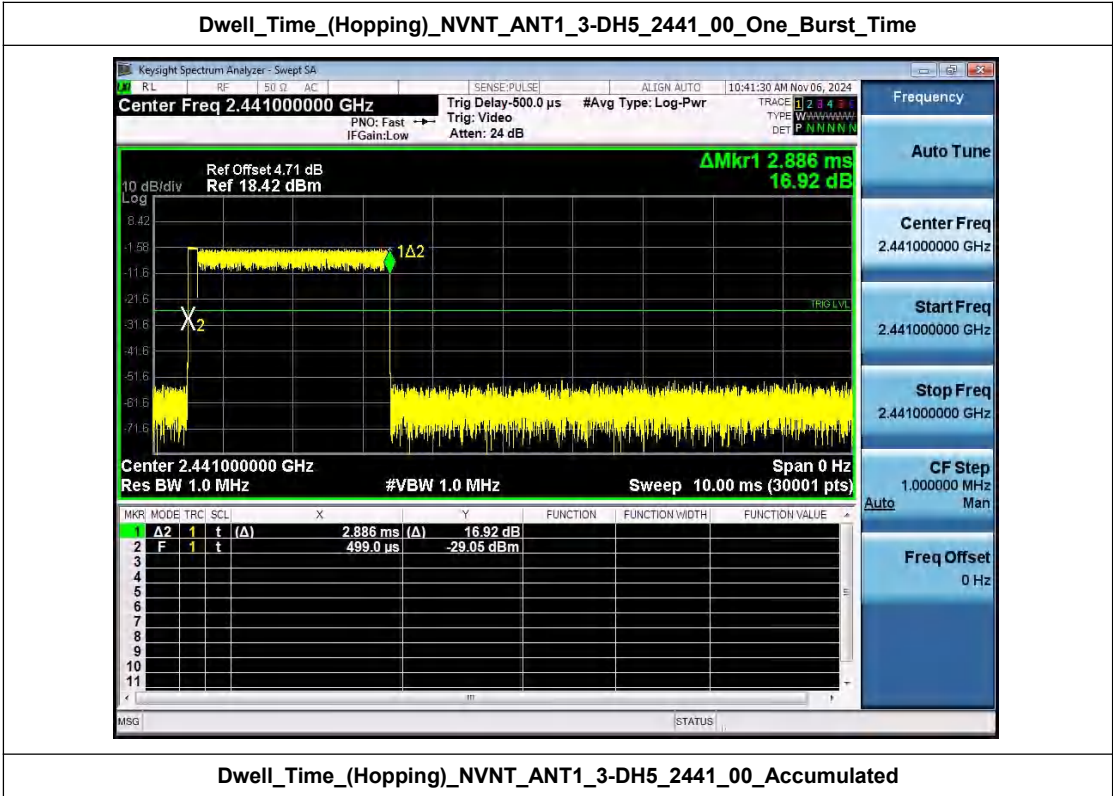


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_Accumulated



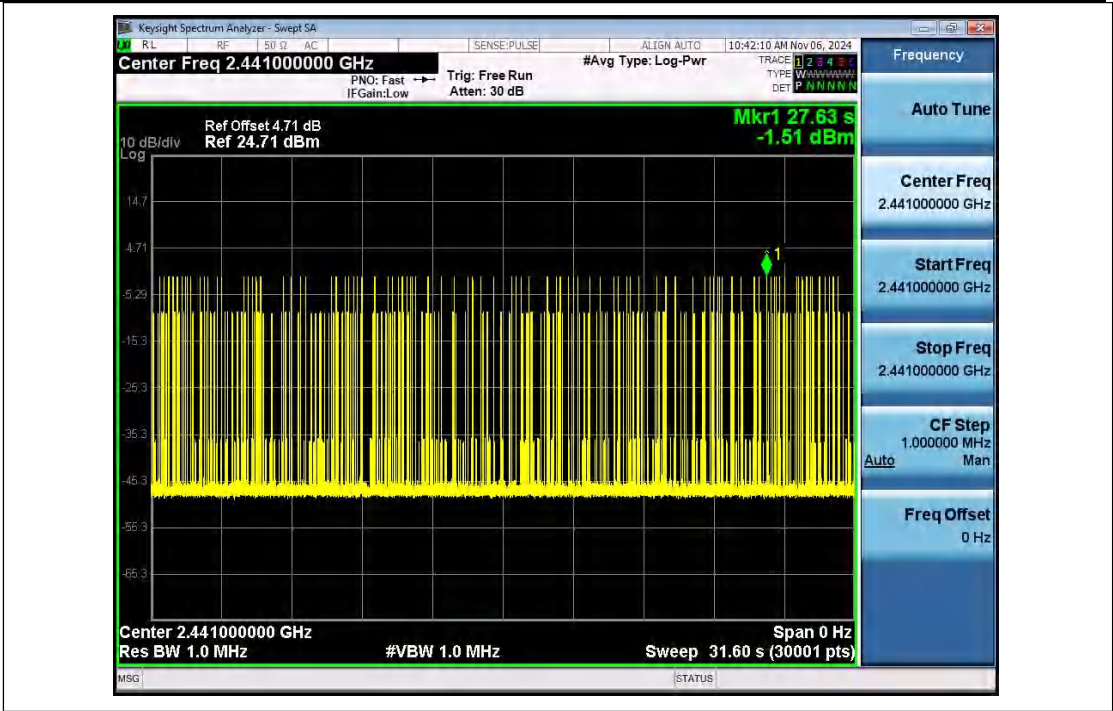


Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_One_Burst_Time

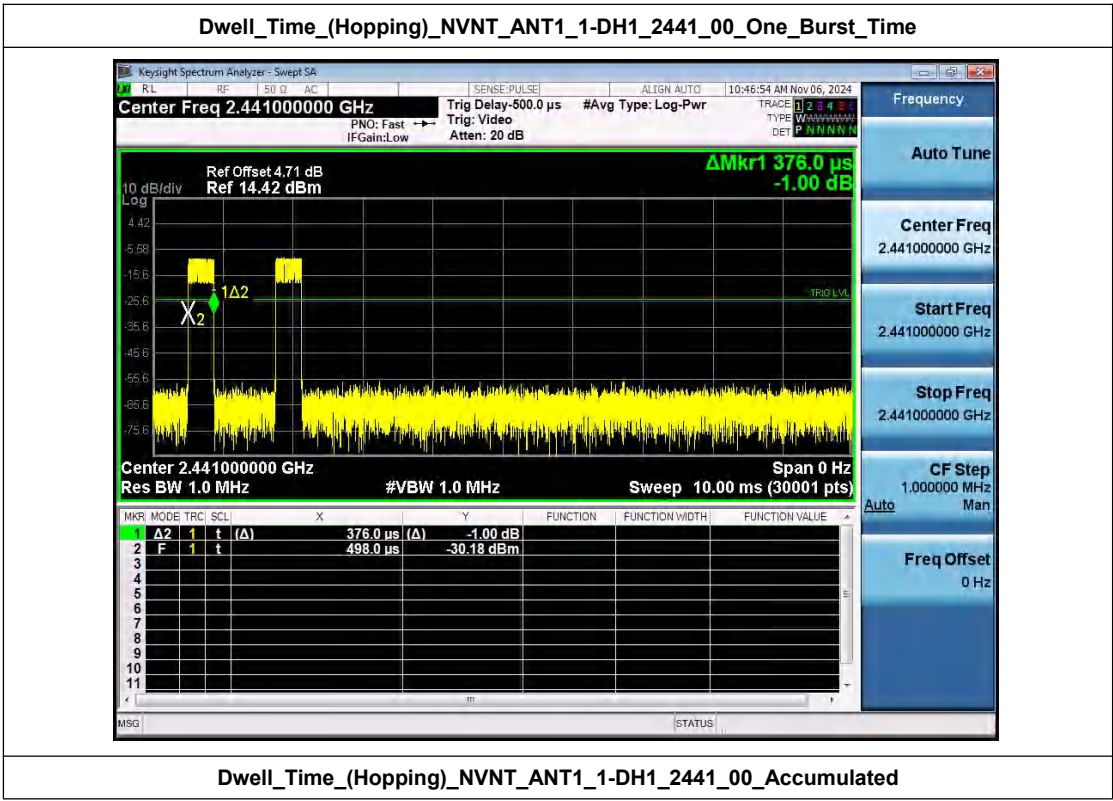


Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_Accumulated



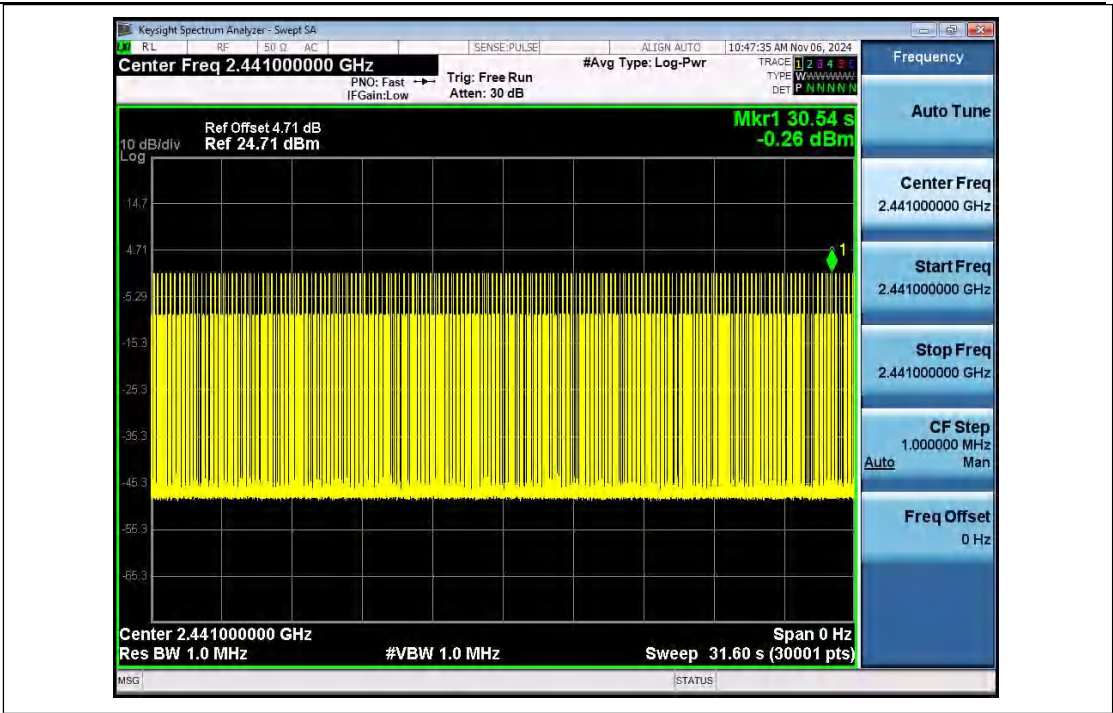


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH1_2441_00_One_Burst_Time

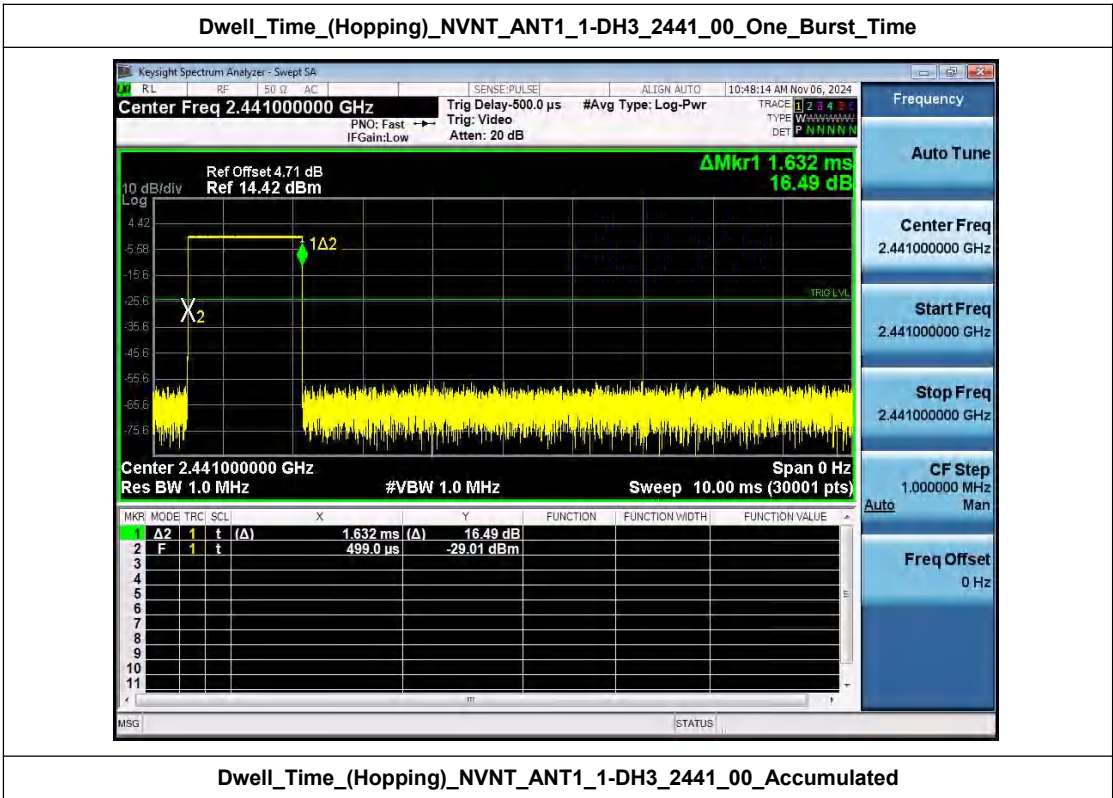


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH1_2441_00_Accumulated



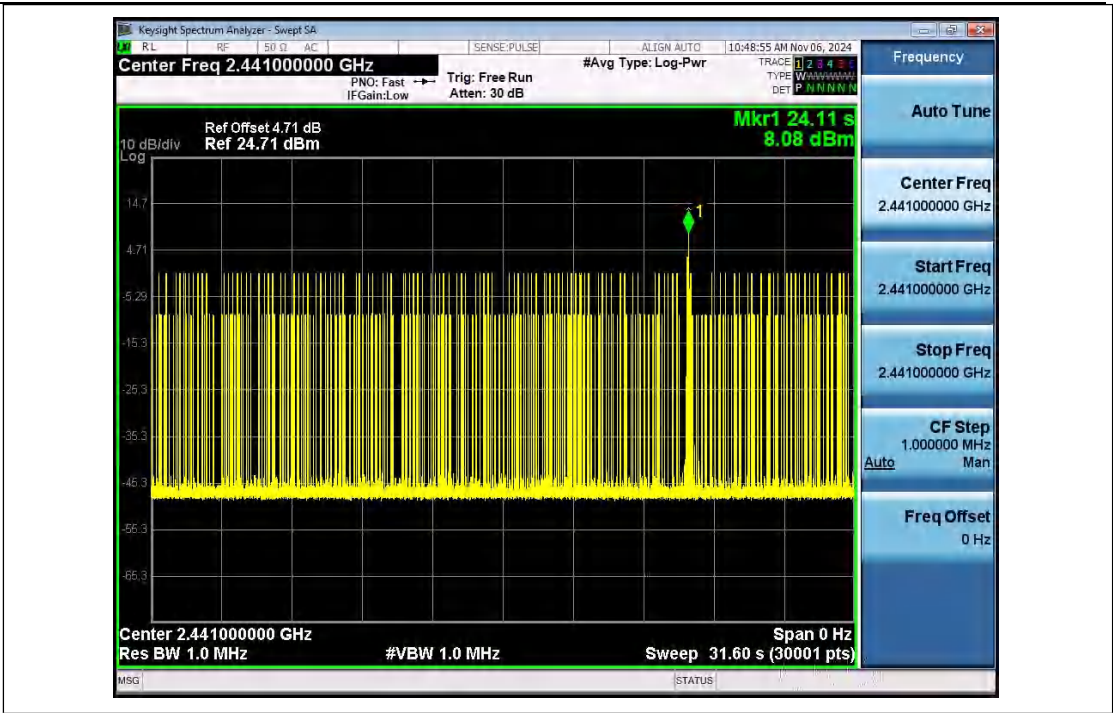


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH3_2441_00_One_Burst_Time

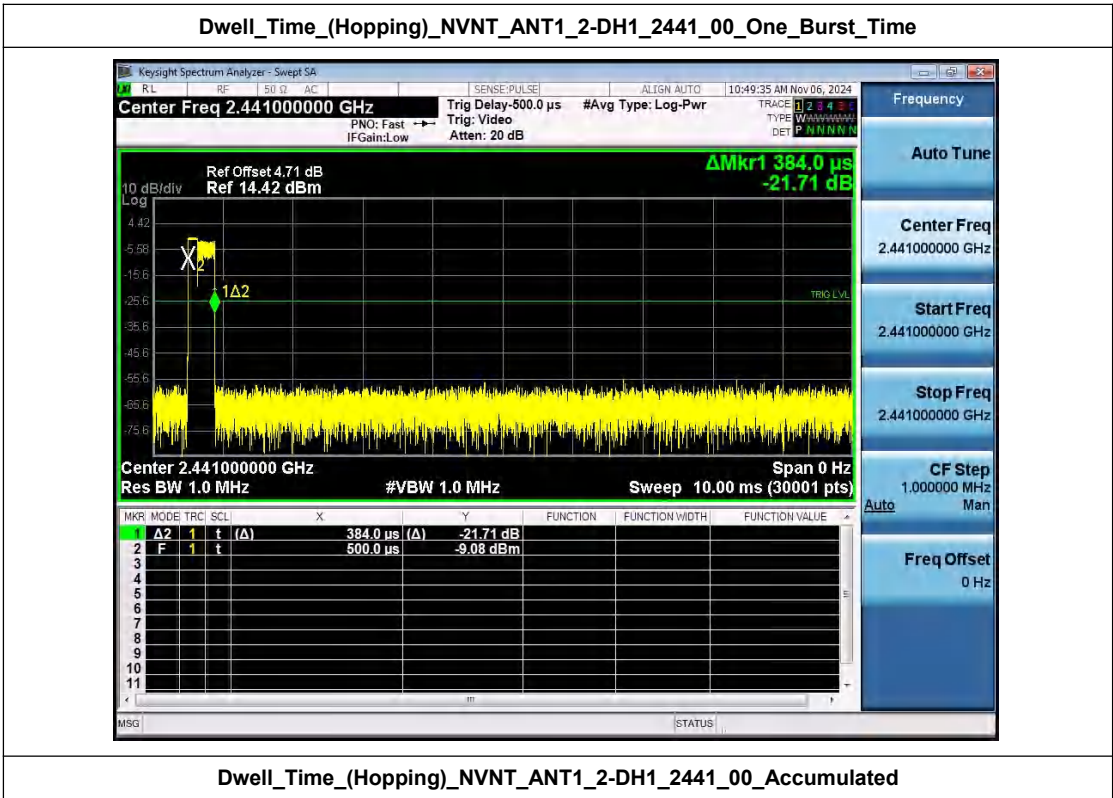


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH3_2441_00_Accumulated



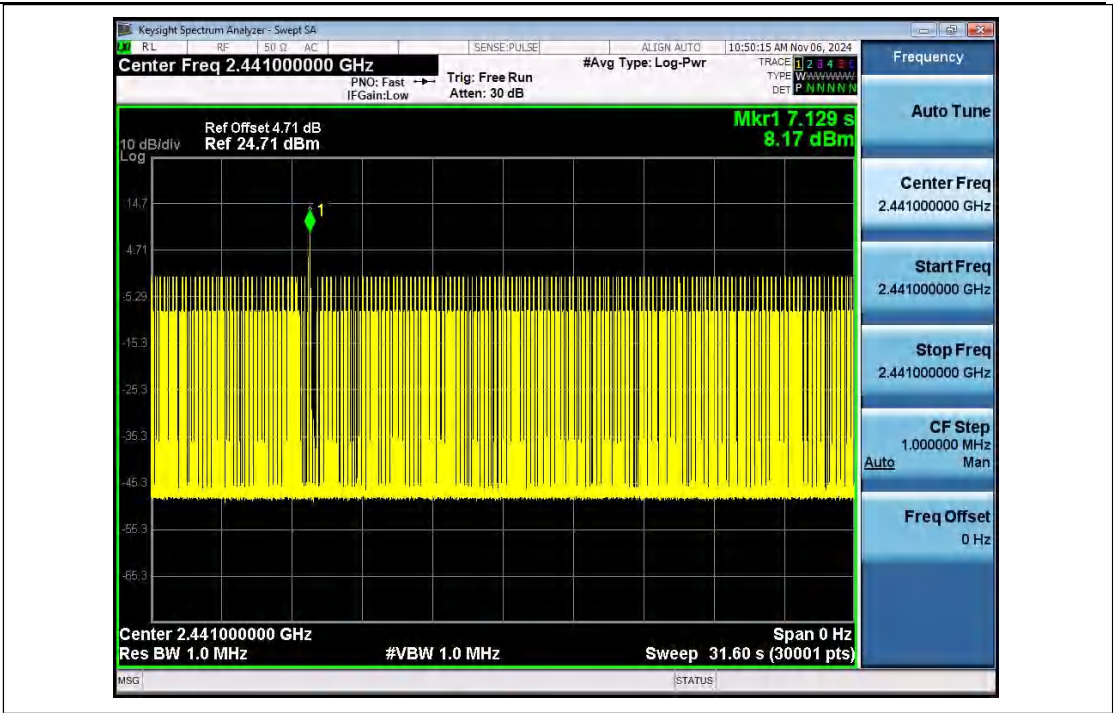


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH1_2441_00_One_Burst_Time

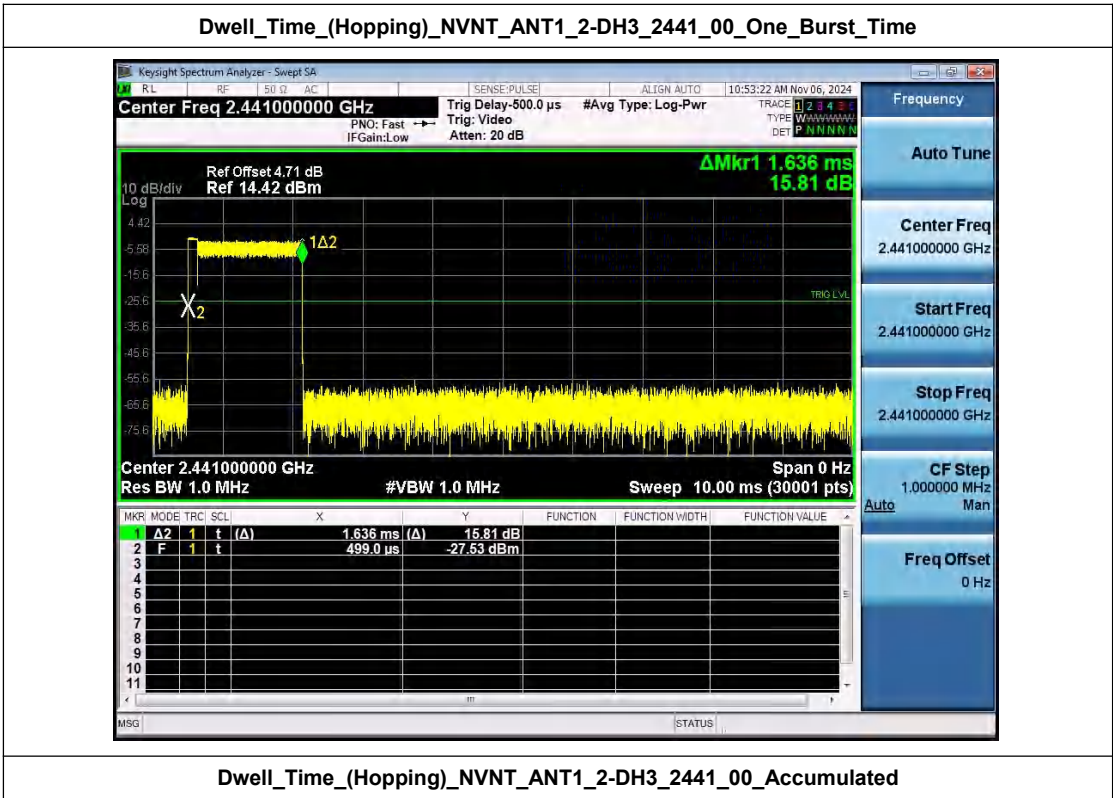


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH1_2441_00_Accumulated



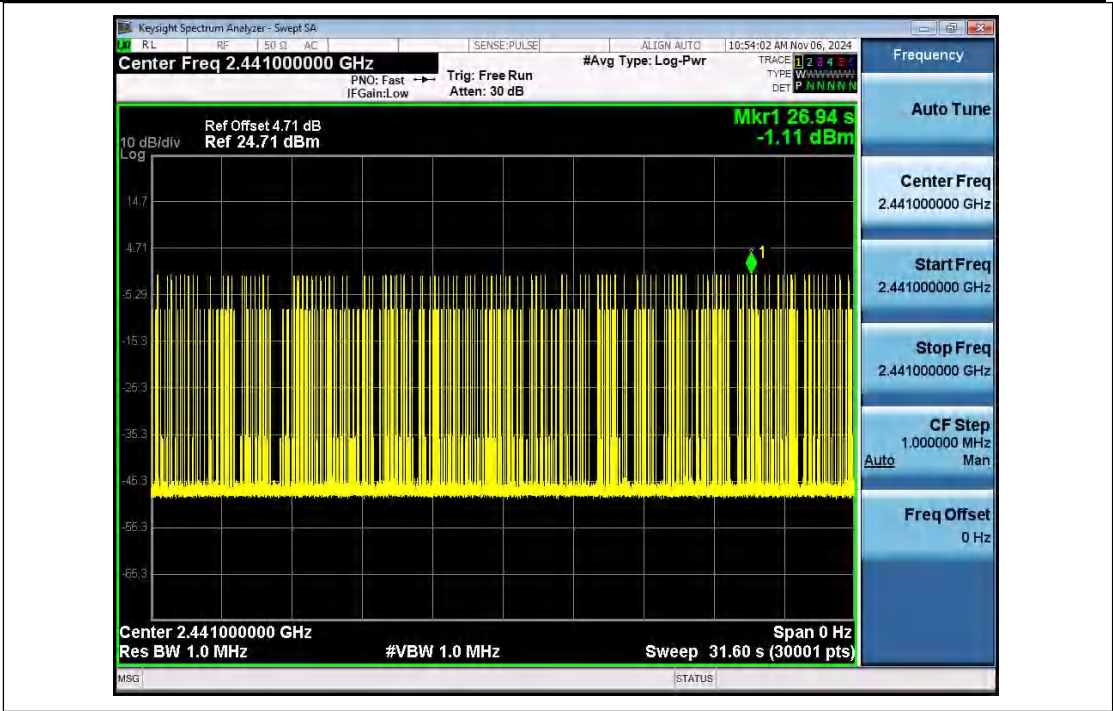


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH3_2441_00_One_Burst_Time

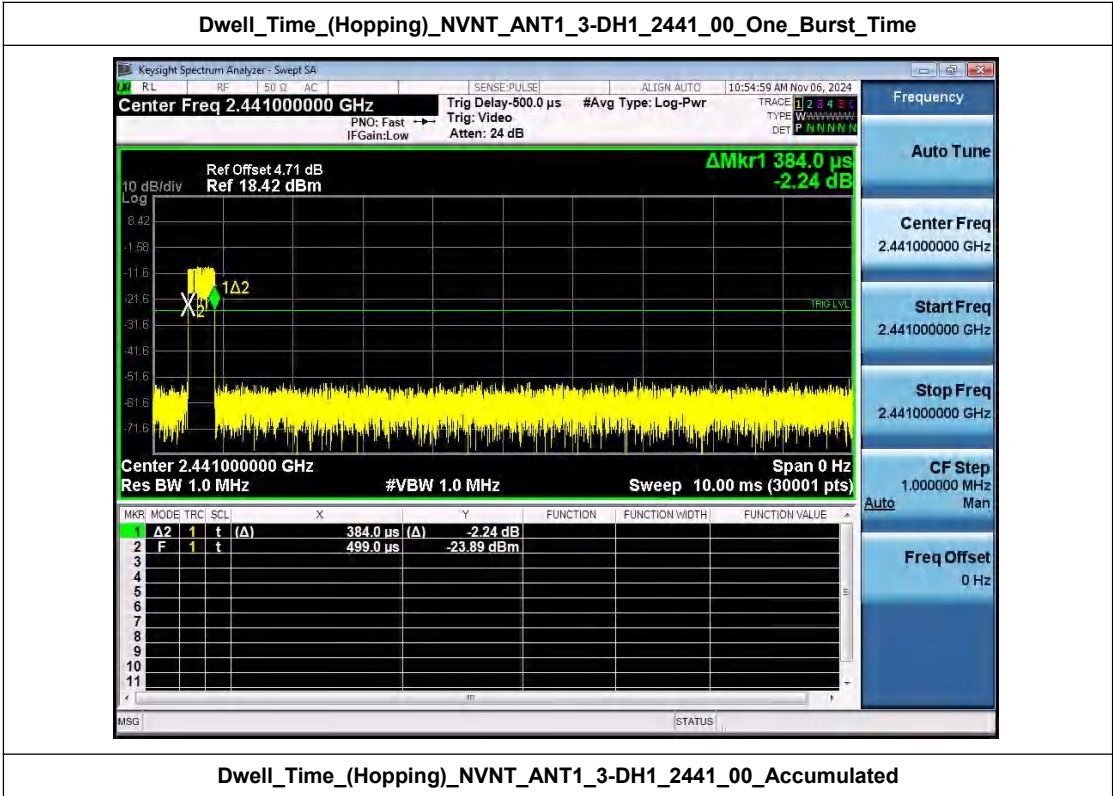


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH3_2441_00_Accumulated



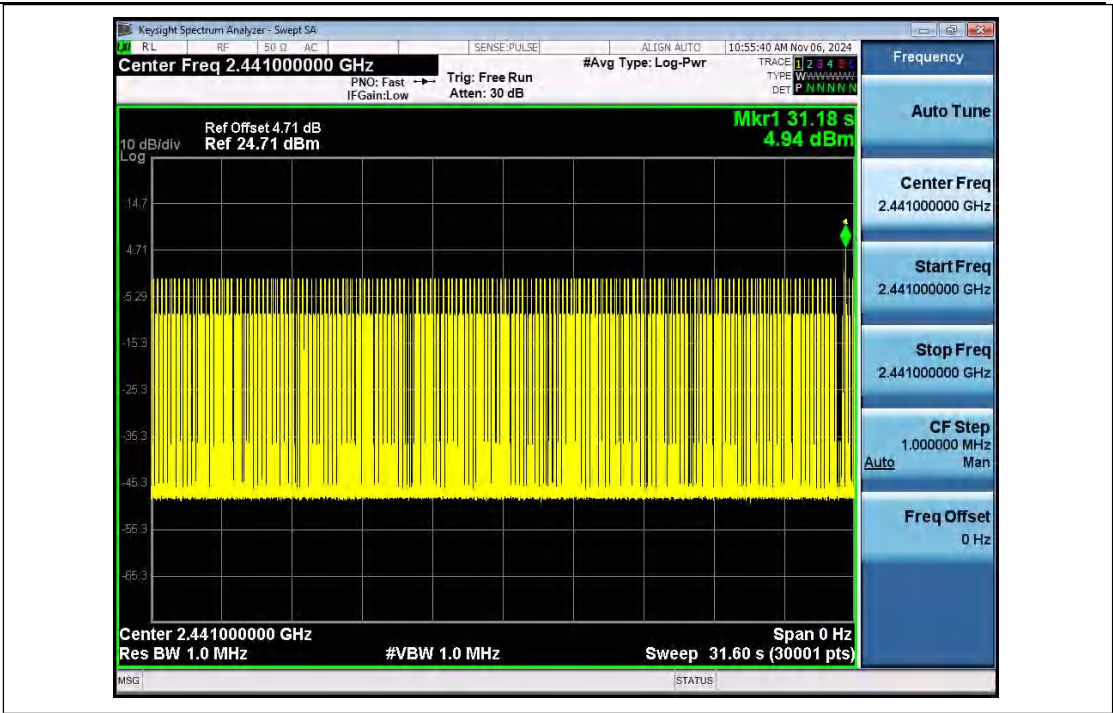


Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_One_Burst_Time

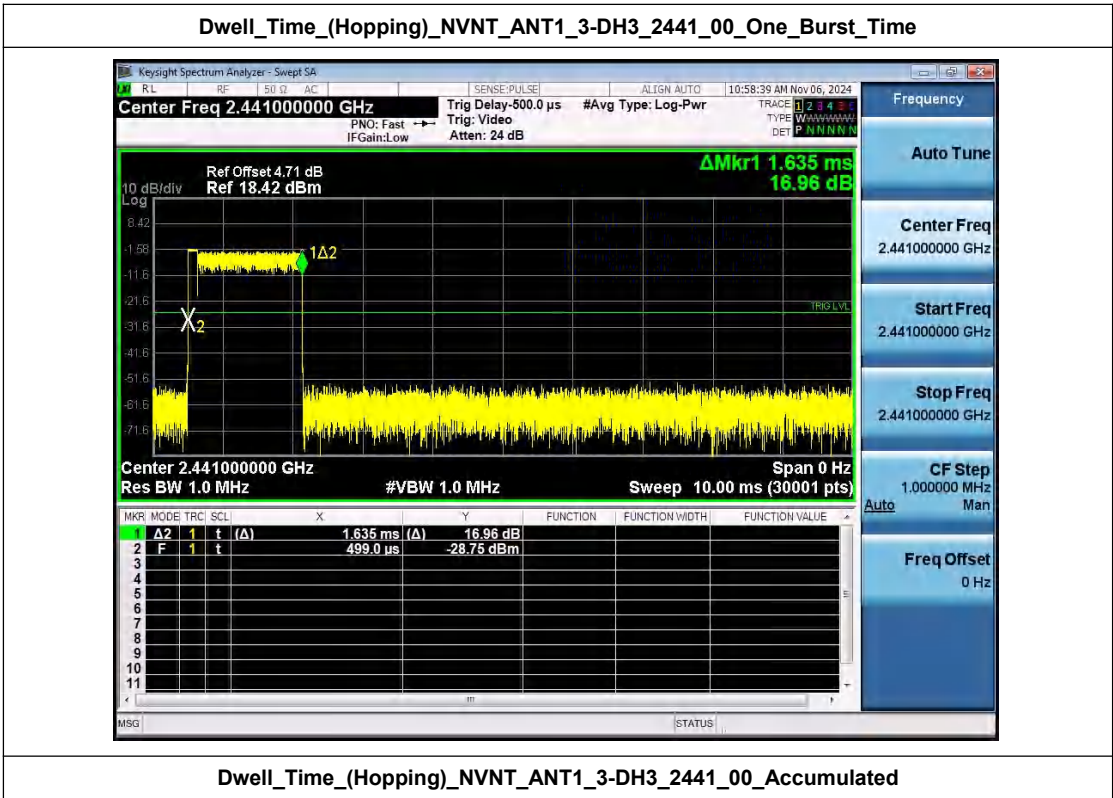


Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_Accumulated



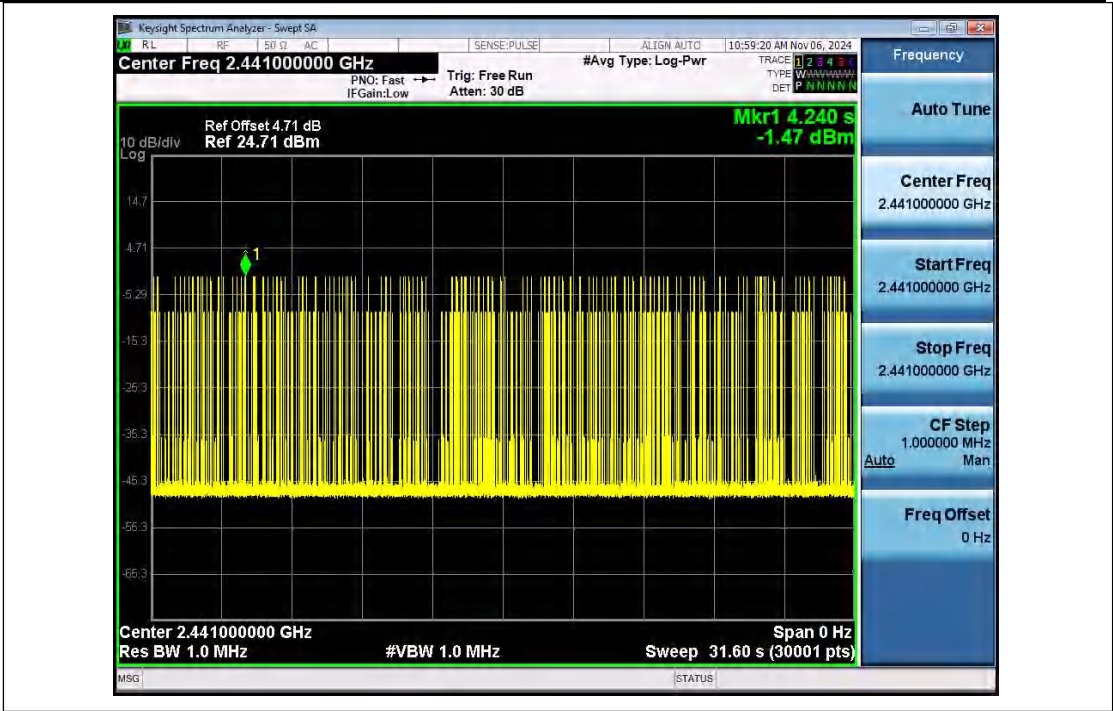


Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_One_Burst_Time



Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_Accumulated





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