

Appendix Test Data

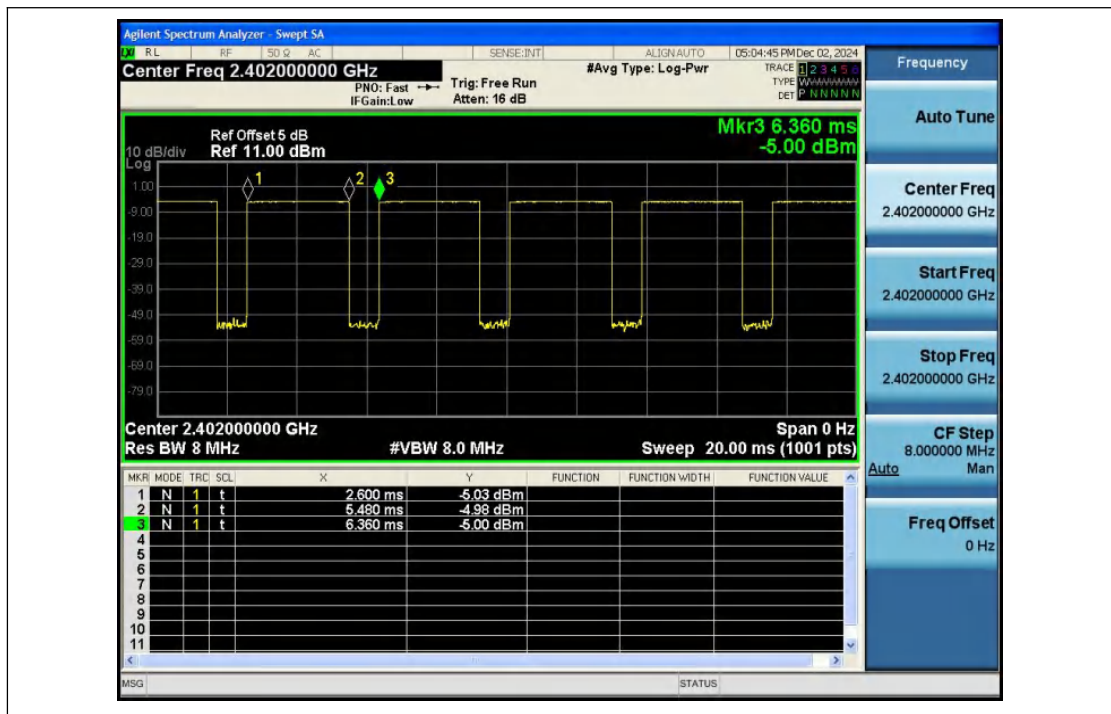
Report No.:	1812C40165612501	Test Sample No.:	1-2-2
Start Test Date:	2024.11.30	Finish Test Date:	2024.12.6
Test Engineer:	<i>Foker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.5°C	Relative Humidity:	49%
Pressure:	101kPa		

Appendix A: Duty Cycle

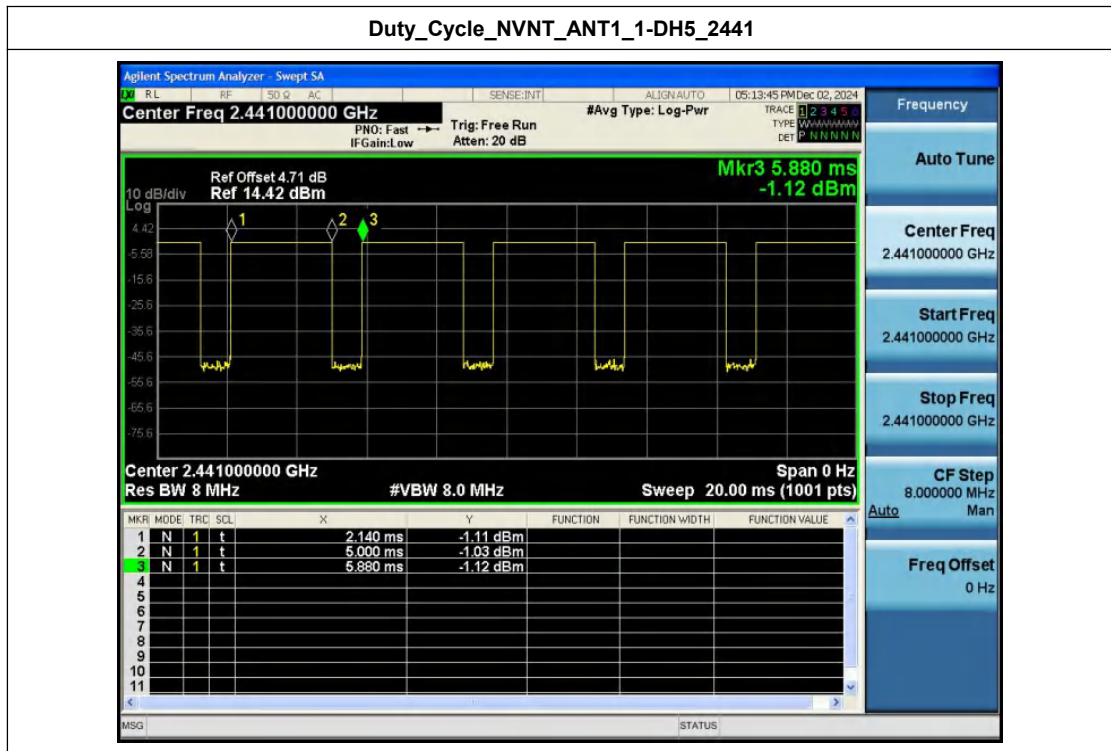
Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1-DH5	2402.00	77.13	1.13
NVNT	ANT1	1-DH5	2441.00	77.01	1.13
NVNT	ANT1	1-DH5	2480.00	76.60	1.16
NVNT	ANT1	2-DH5	2402.00	77.01	1.13
NVNT	ANT1	2-DH5	2441.00	77.66	1.10
NVNT	ANT1	2-DH5	2480.00	77.13	1.13
NVNT	ANT1	3-DH5	2402.00	77.13	1.13
NVNT	ANT1	3-DH5	2441.00	77.54	1.10
NVNT	ANT1	3-DH5	2480.00	77.54	1.10

Duty_Cycle_NVNT_ANT1_1-DH5_2402



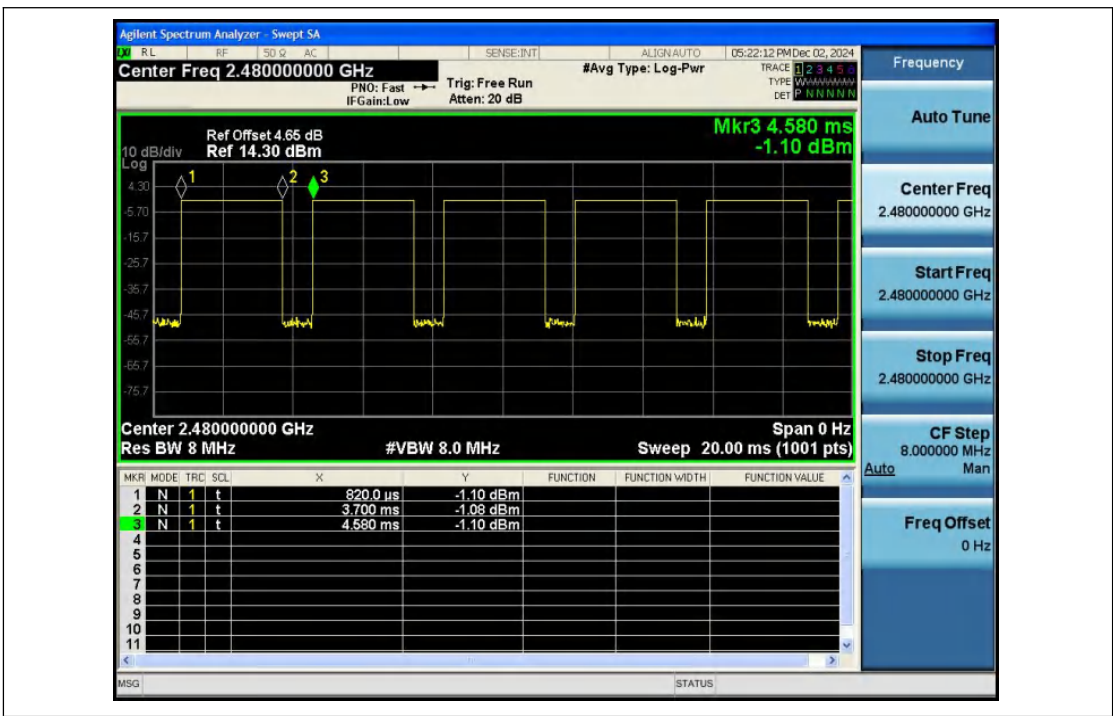


Duty_Cycle_NVNT_ANT1_1-DH5_2441

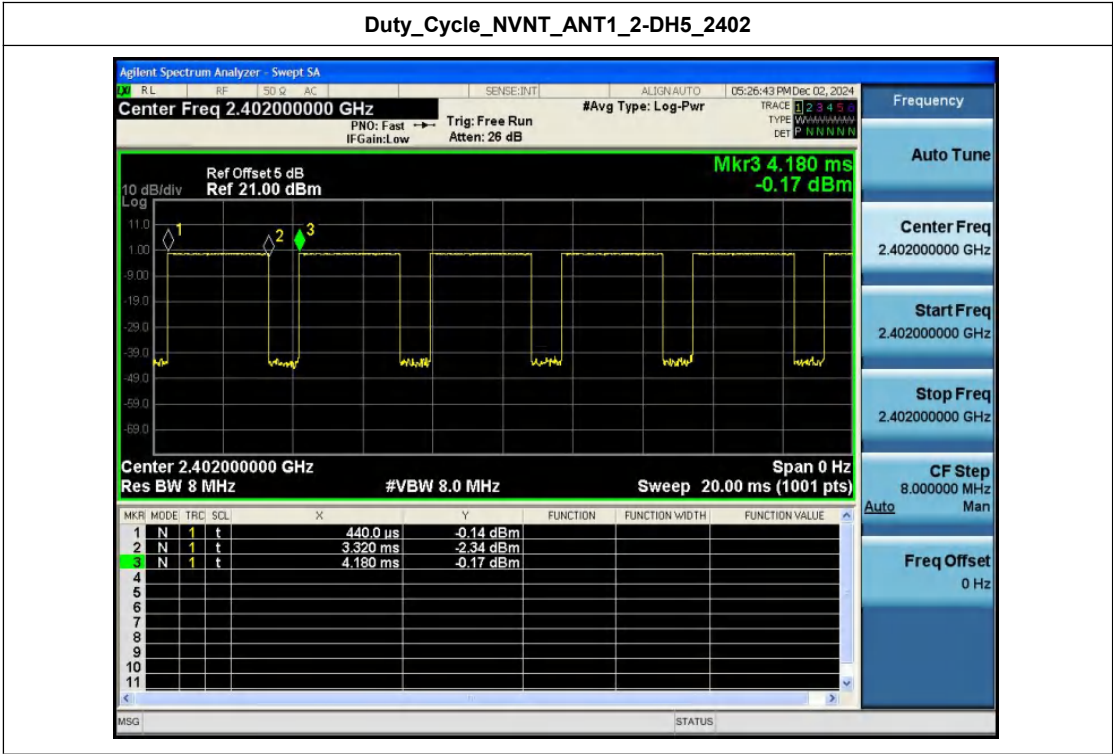


Duty_Cycle_NVNT_ANT1_1-DH5_2480



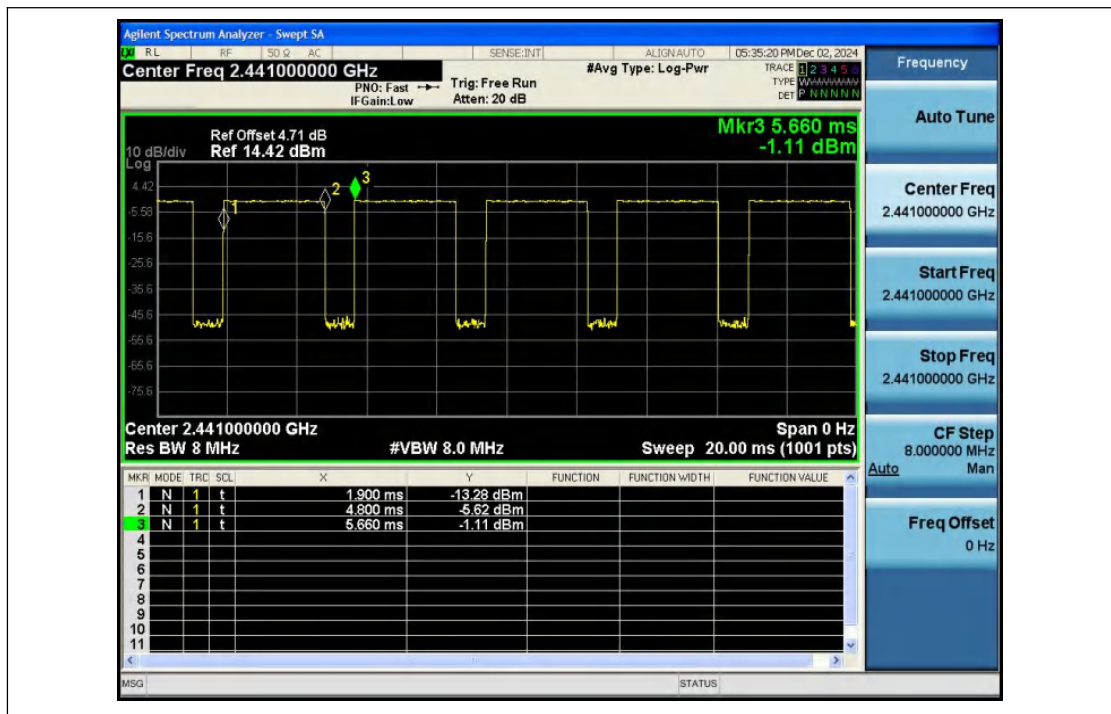


Duty_Cycle_NVNT_ANT1_2-DH5_2402

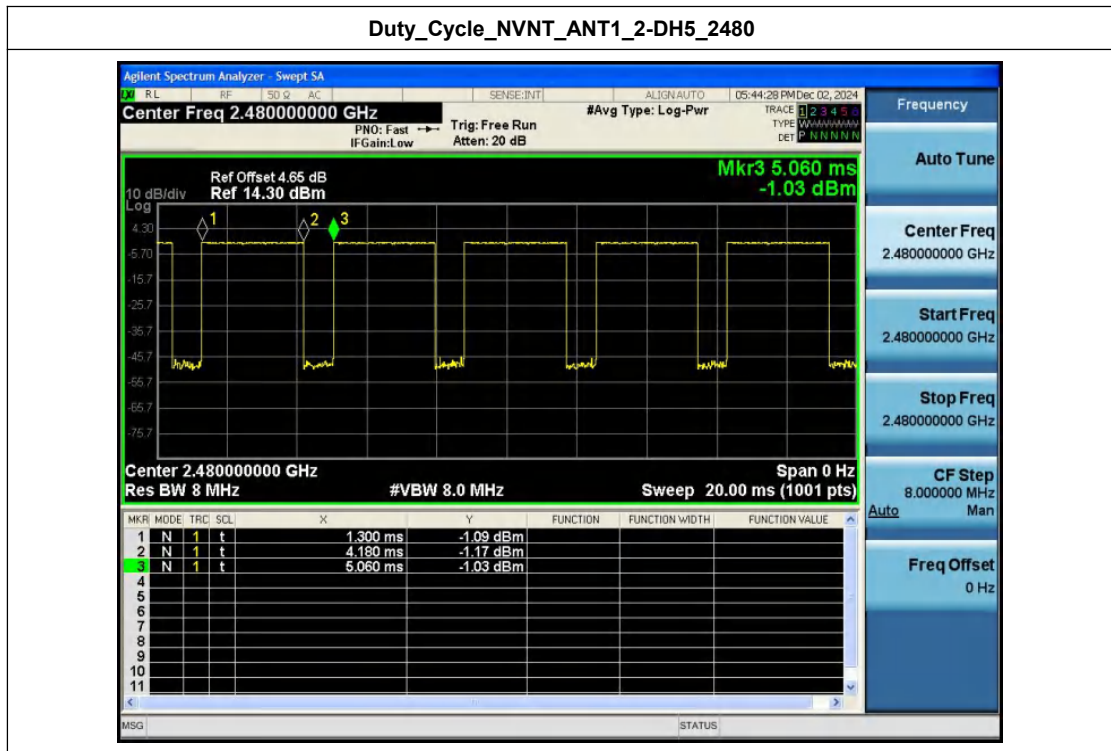


Duty_Cycle_NVNT_ANT1_2-DH5_2441



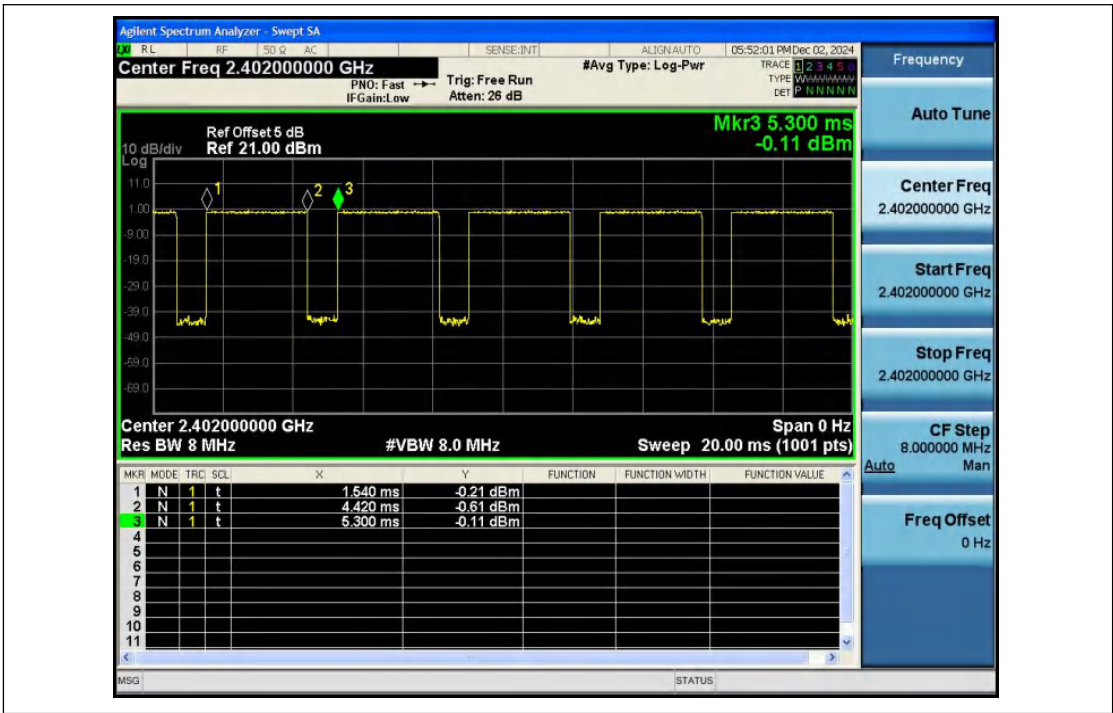


Duty_Cycle_NVNT_ANT1_2-DH5_2480

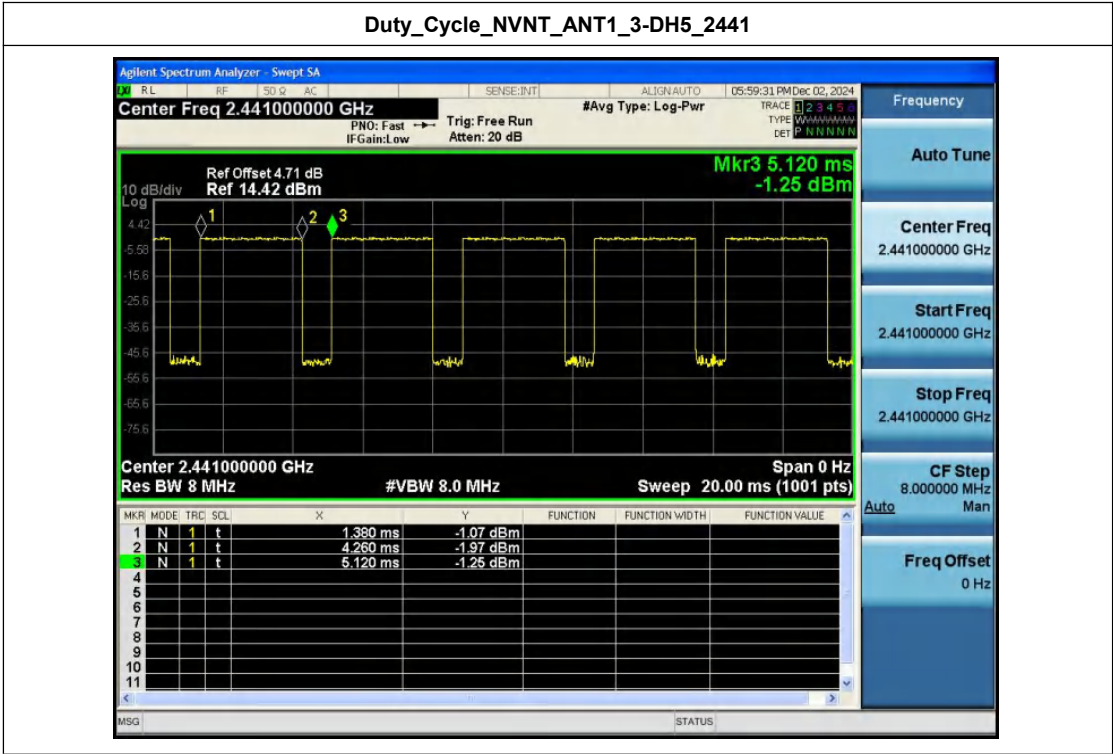


Duty_Cycle_NVNT_ANT1_3-DH5_2402



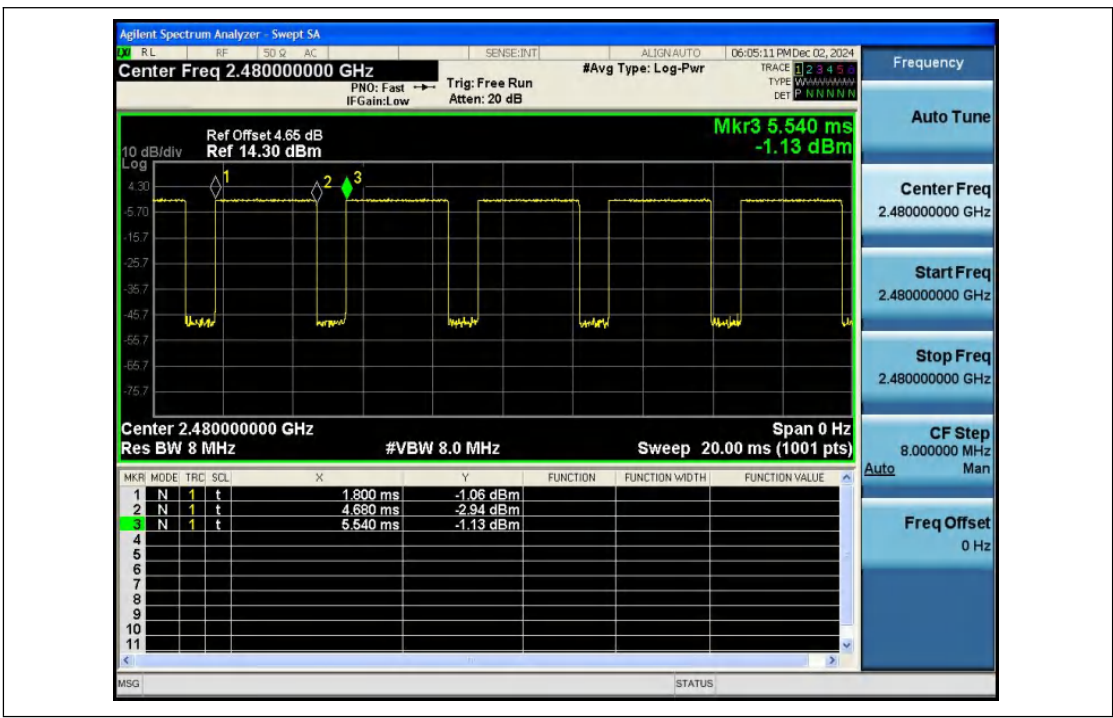


Duty_Cycle_NVNT_ANT1_3-DH5_2441



Duty_Cycle_NVNT_ANT1_3-DH5_2480





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Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
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Tel: (86) 0755-26066440 Email: service@anbotek.com

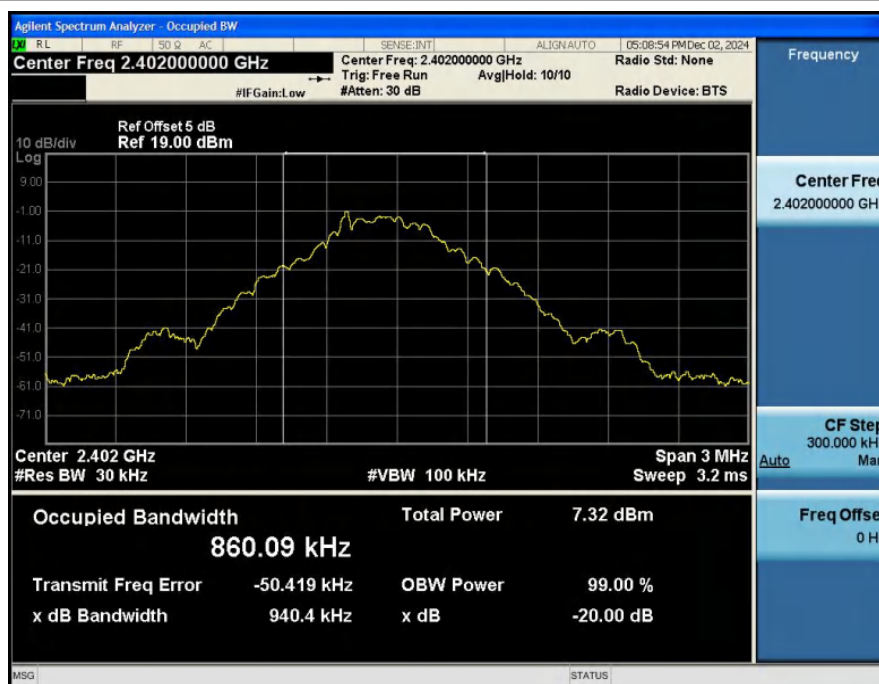
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Appendix B: -20dB Bandwidth

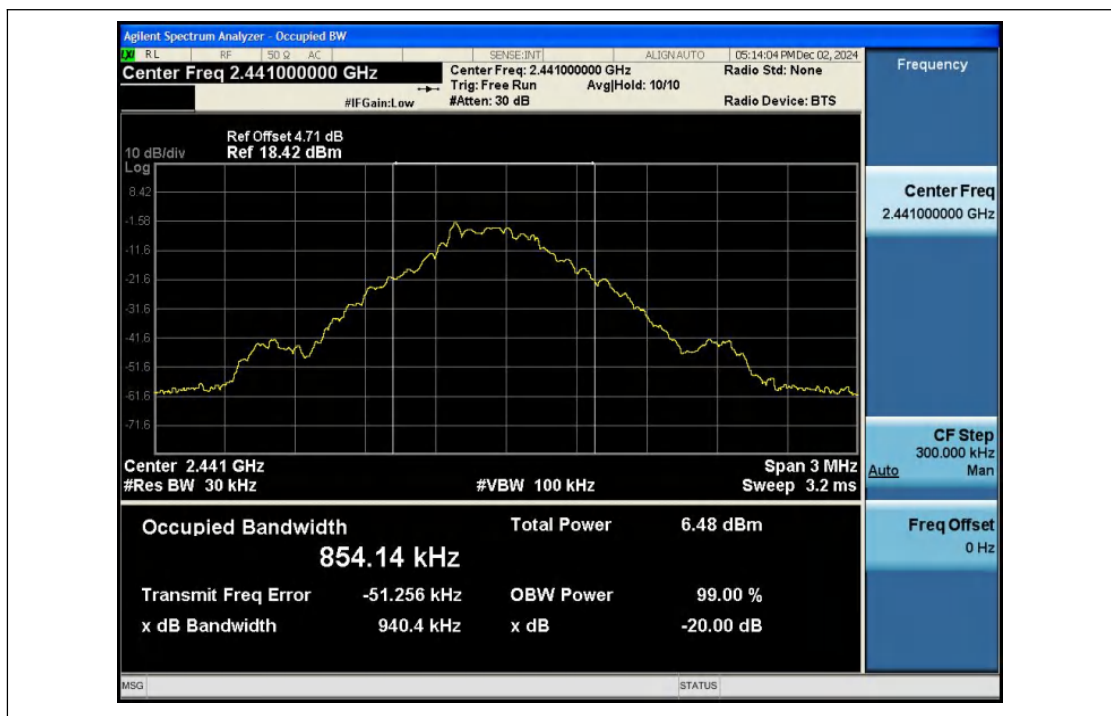
Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH5	2402.00	0.940	No
NVNT	ANT1	1-DH5	2441.00	0.940	No
NVNT	ANT1	1-DH5	2480.00	0.942	No
NVNT	ANT1	2-DH5	2402.00	1.264	Yes
NVNT	ANT1	2-DH5	2441.00	1.265	Yes
NVNT	ANT1	2-DH5	2480.00	1.269	Yes
NVNT	ANT1	3-DH5	2402.00	1.250	Yes
NVNT	ANT1	3-DH5	2441.00	1.250	Yes
NVNT	ANT1	3-DH5	2480.00	1.247	Yes

-20dB_Bandwidth_NVNT_ANT1_1-DH5_2402_00

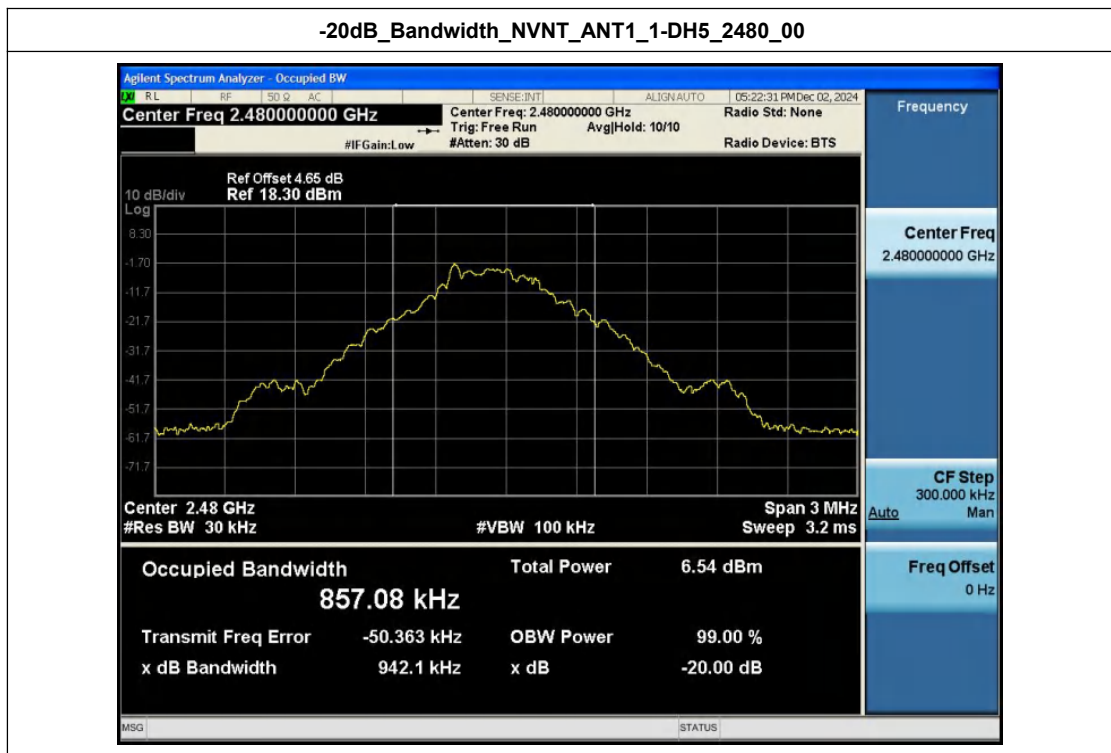


-20dB_Bandwidth_NVNT_ANT1_1-DH5_2441_00



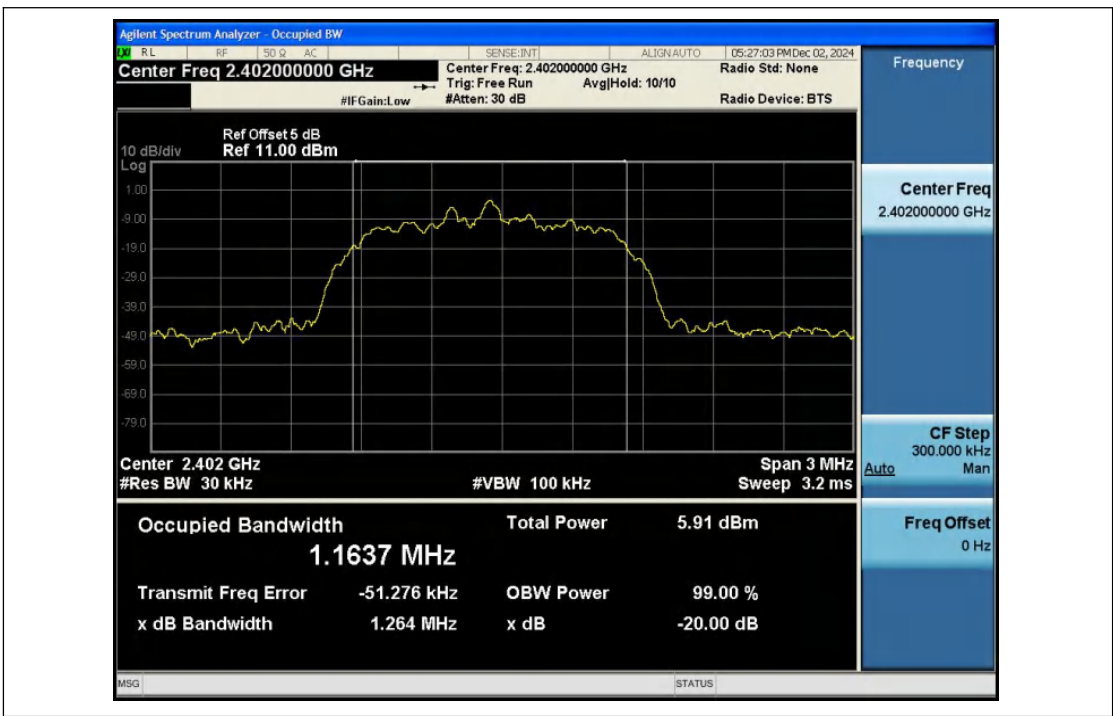


-20dB_Bandwidth_NVNT_ANT1_1-DH5_2480_00

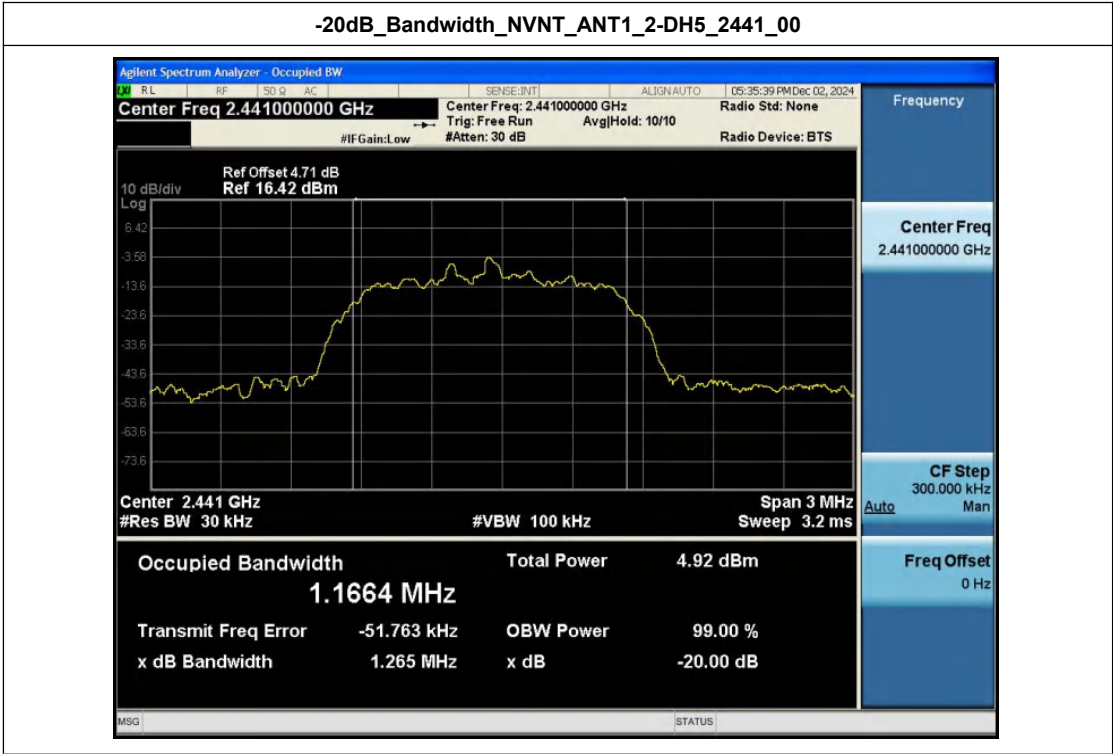


-20dB_Bandwidth_NVNT_ANT1_2-DH5_2402_00



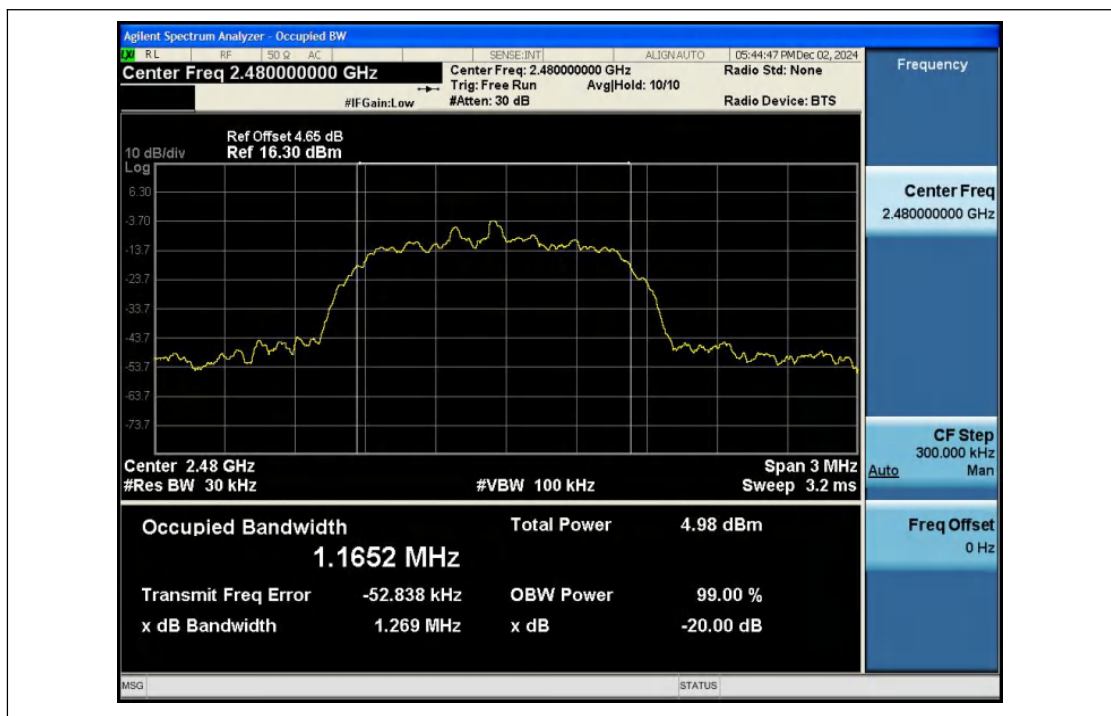


-20dB_Bandwidth_NVNT_ANT1_2-DH5_2441_00

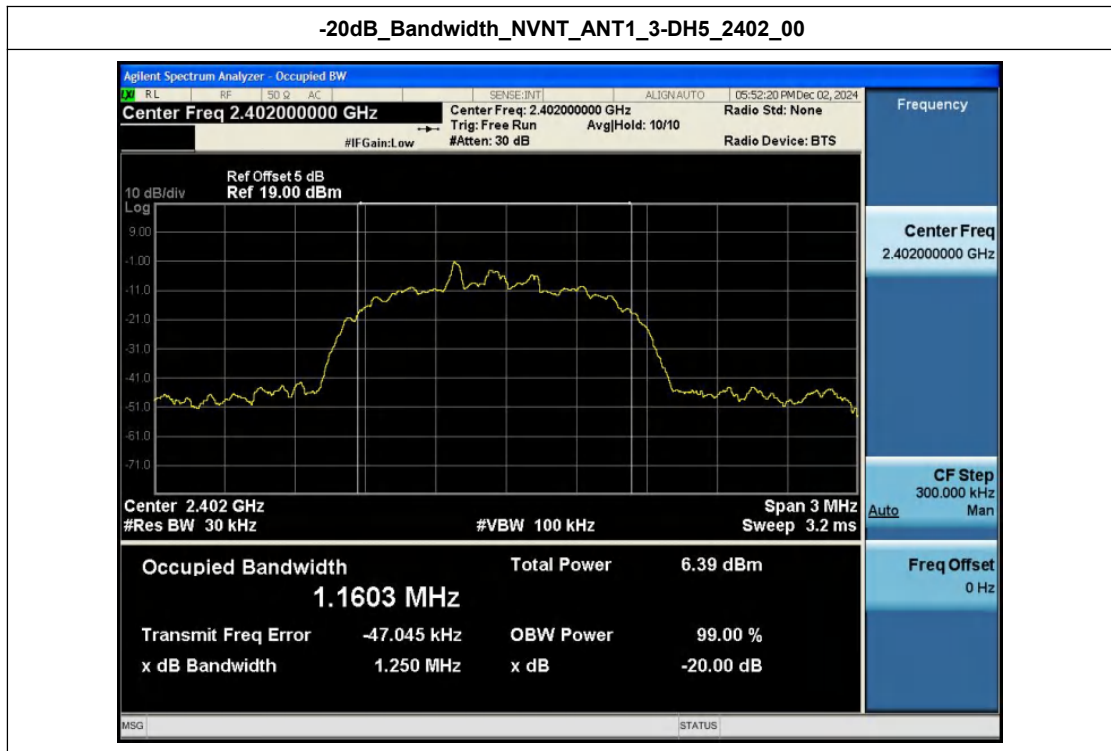


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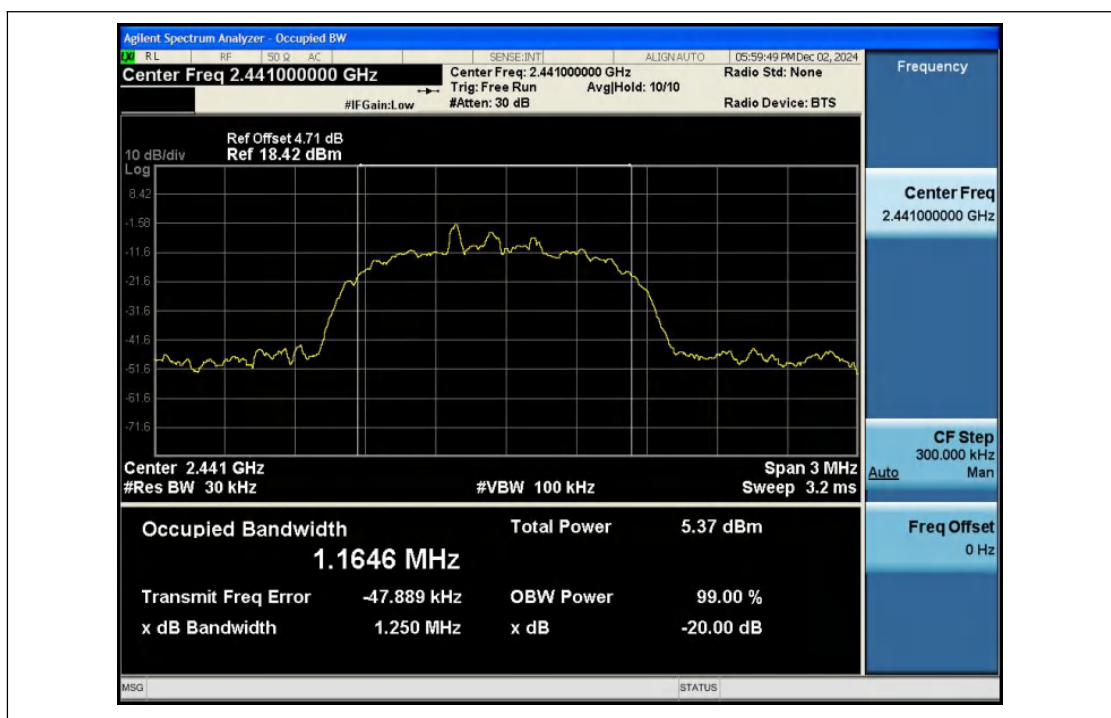


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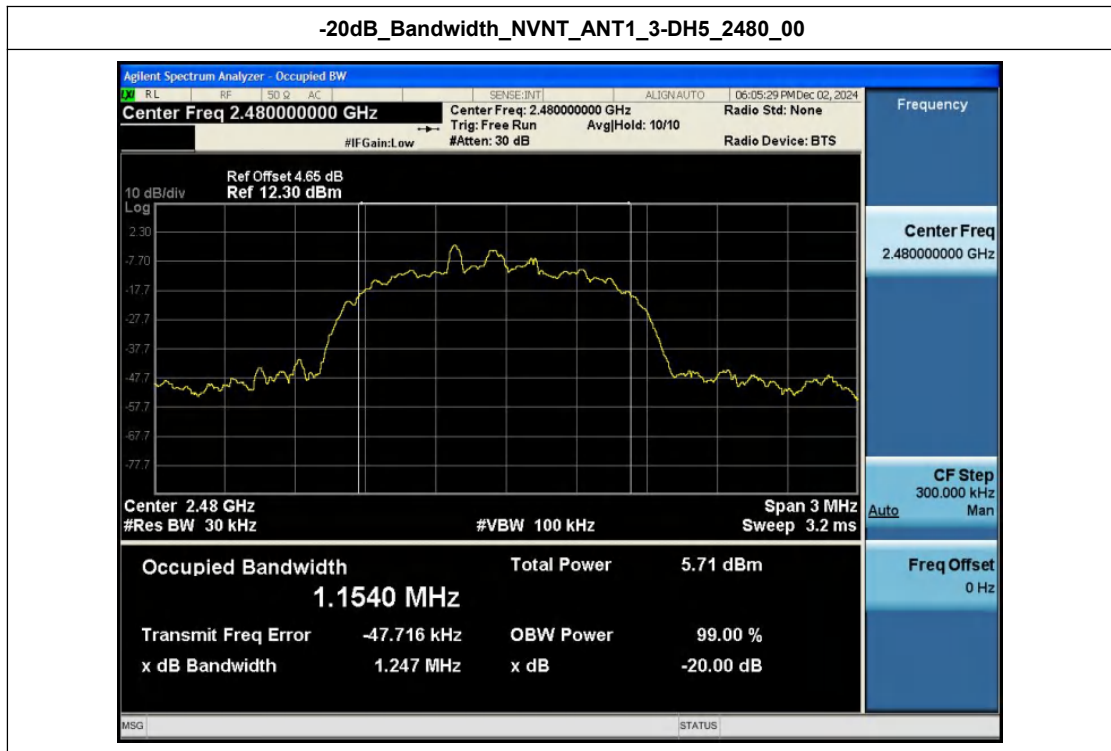


-20dB_Bandwidth_NVNT_ANT1_3-DH5_2441_00





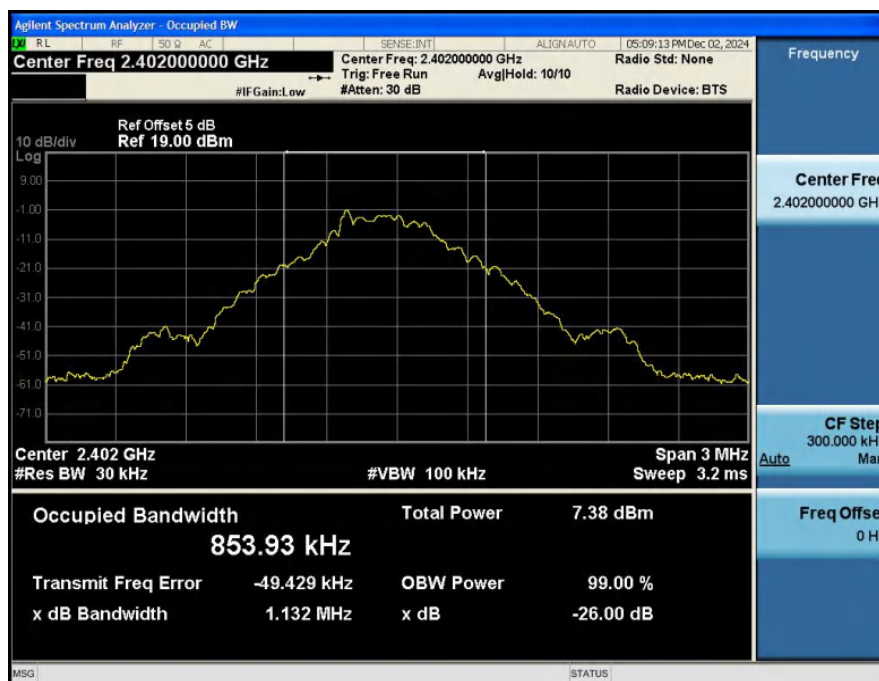
-20dB_Bandwidth_NVNT_ANT1_3-DH5_2480_00



Appendix C: 99% Occupied Bandwidth

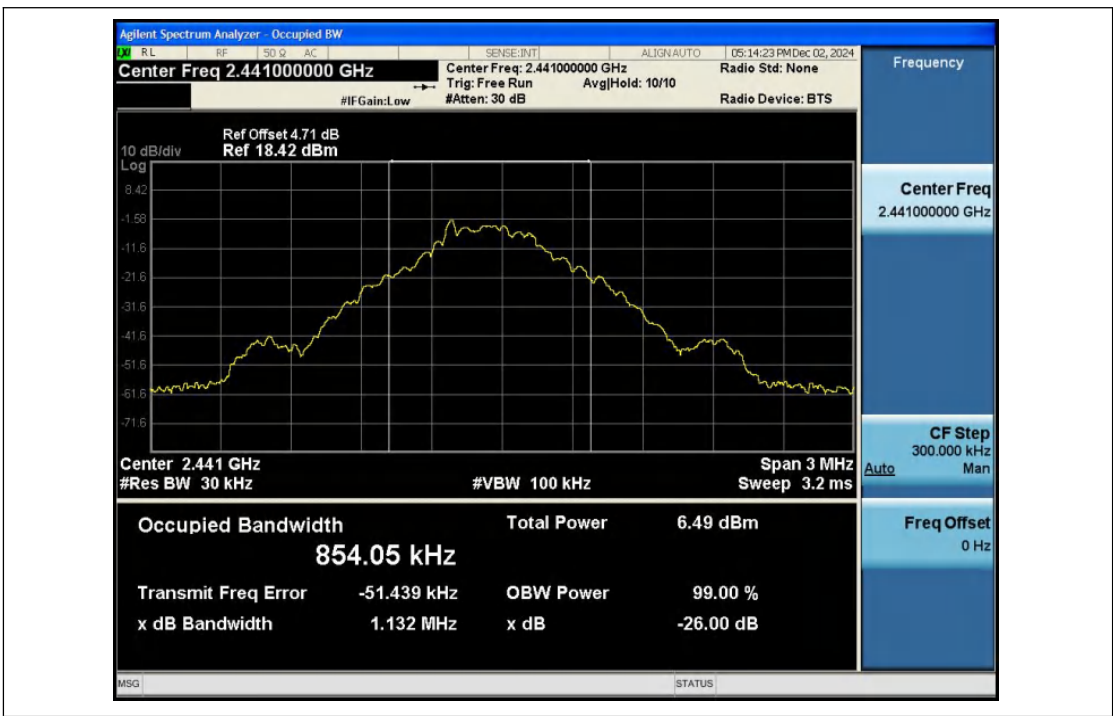
Condition	Antenna	Modulation	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	1-DH5	2402.00	0.854
NVNT	ANT1	1-DH5	2441.00	0.854
NVNT	ANT1	1-DH5	2480.00	0.858
NVNT	ANT1	2-DH5	2402.00	1.166
NVNT	ANT1	2-DH5	2441.00	1.165
NVNT	ANT1	2-DH5	2480.00	1.165
NVNT	ANT1	3-DH5	2402.00	1.153
NVNT	ANT1	3-DH5	2441.00	1.155
NVNT	ANT1	3-DH5	2480.00	1.154

99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2402_00

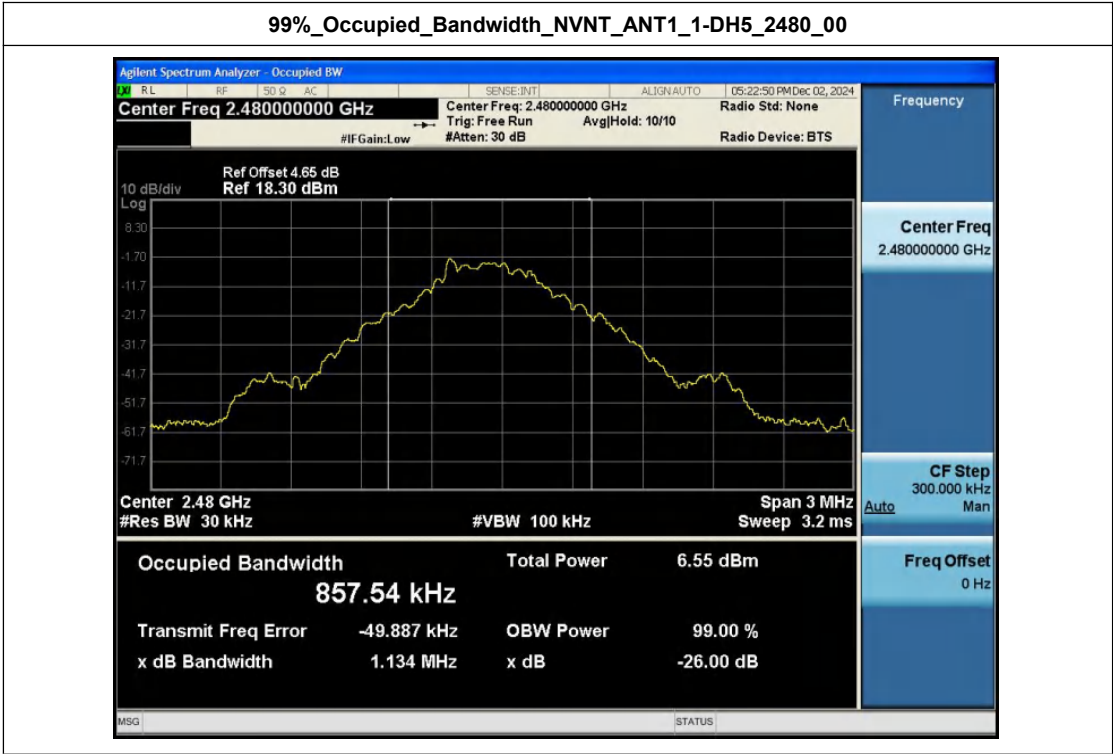


99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2441_00



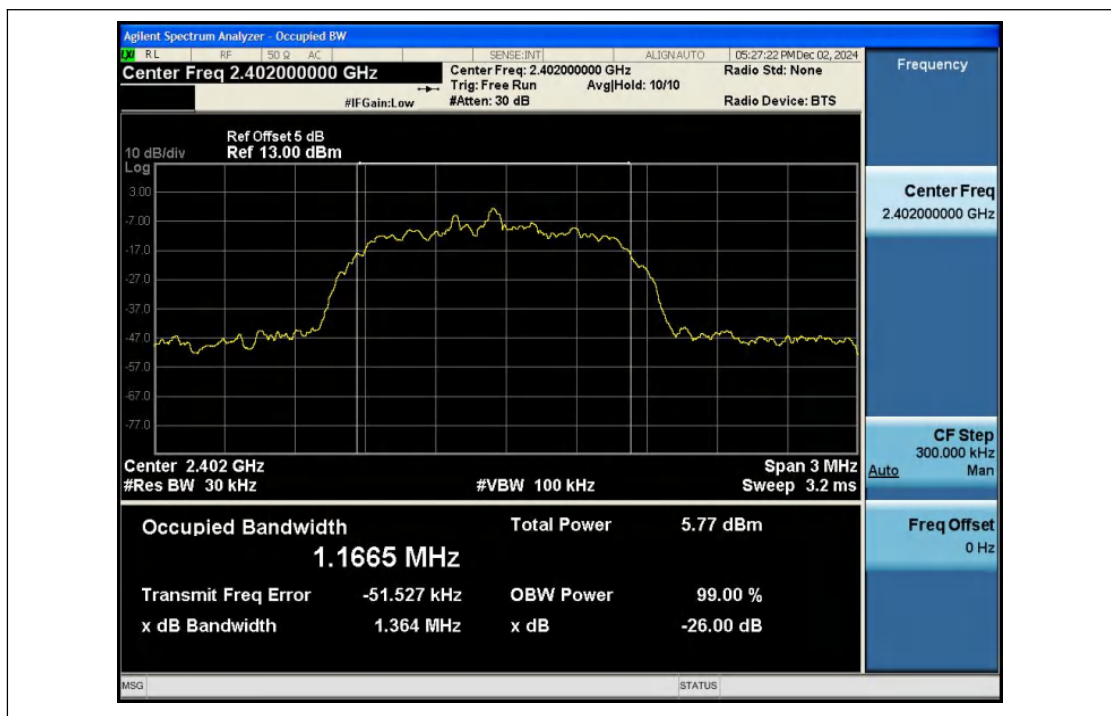


99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2480_00

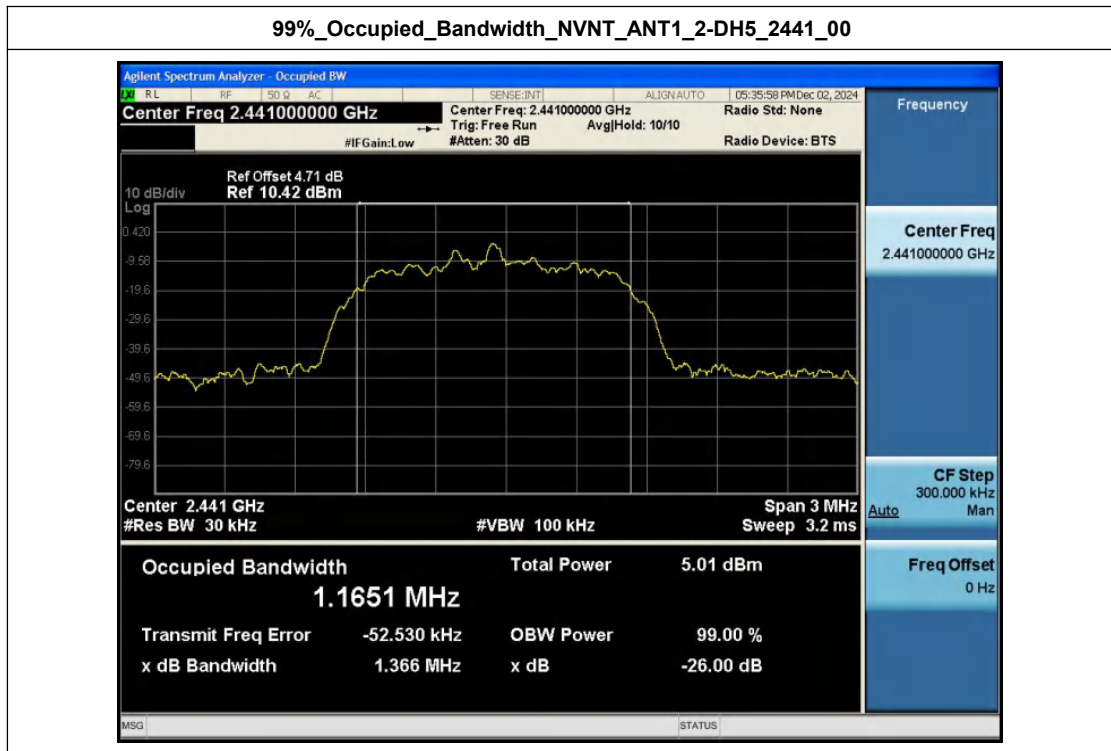


99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2402_00



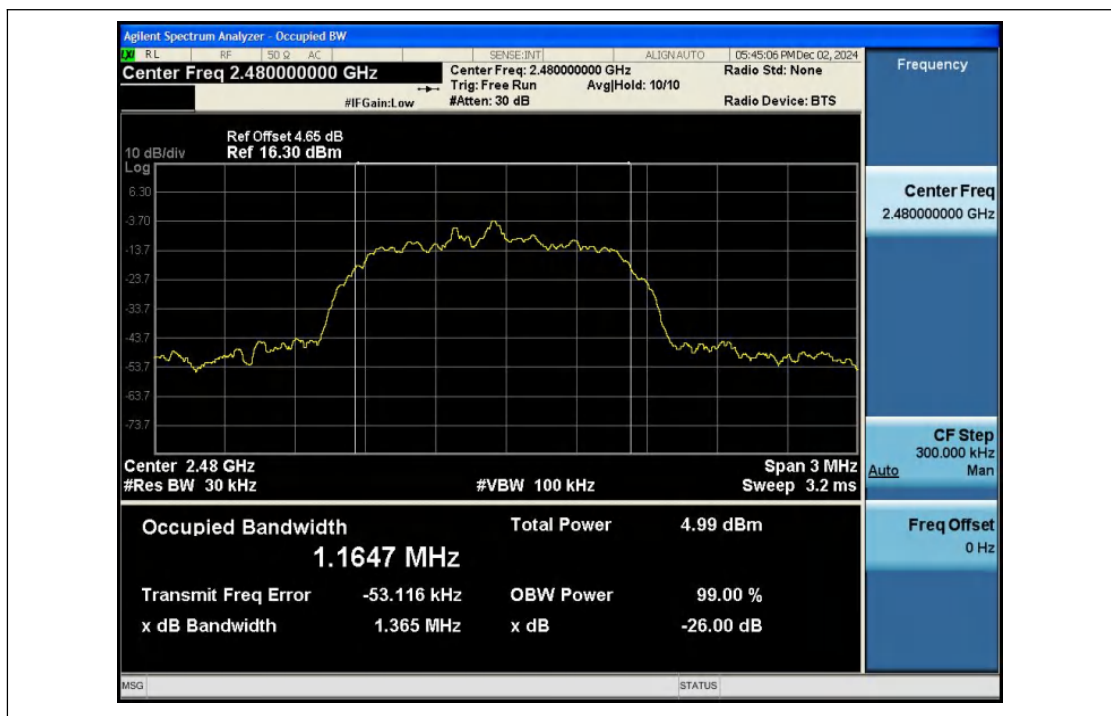


99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2441_00

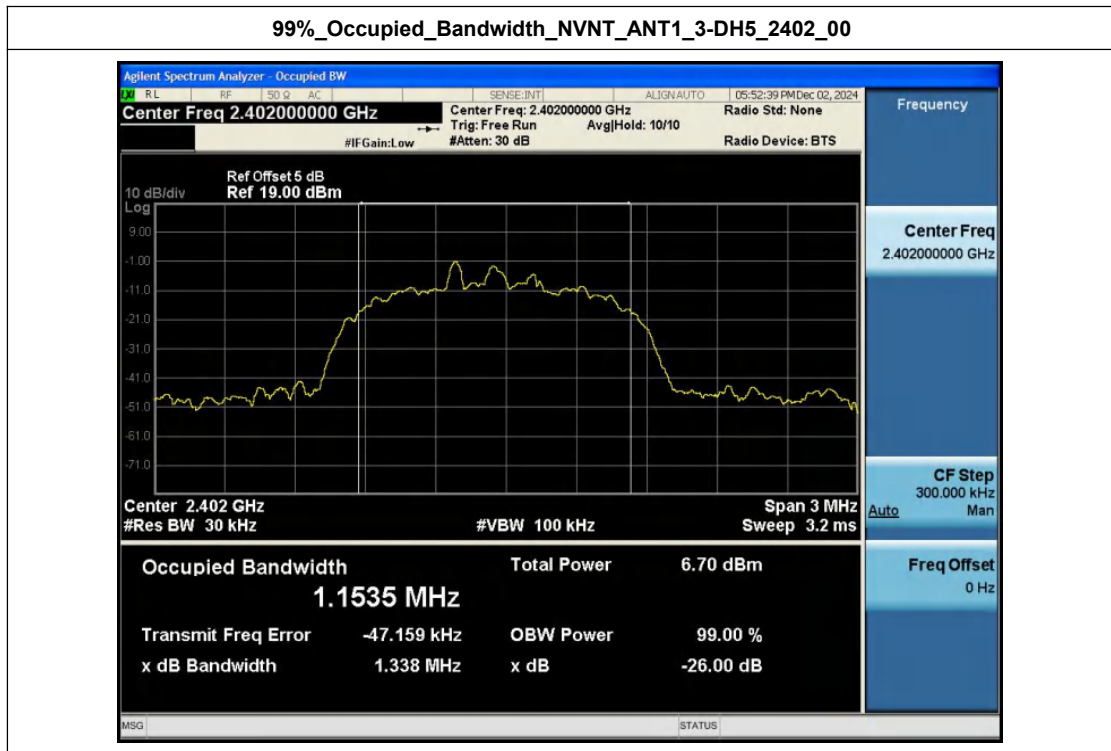


99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2480_00



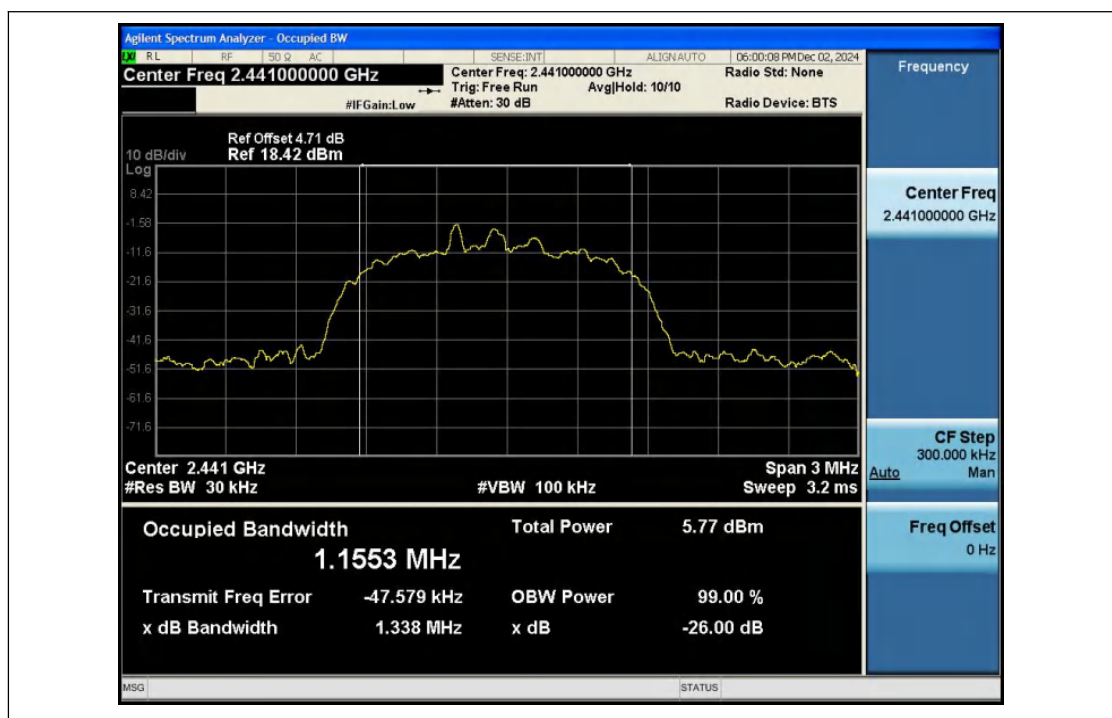


99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2402_00

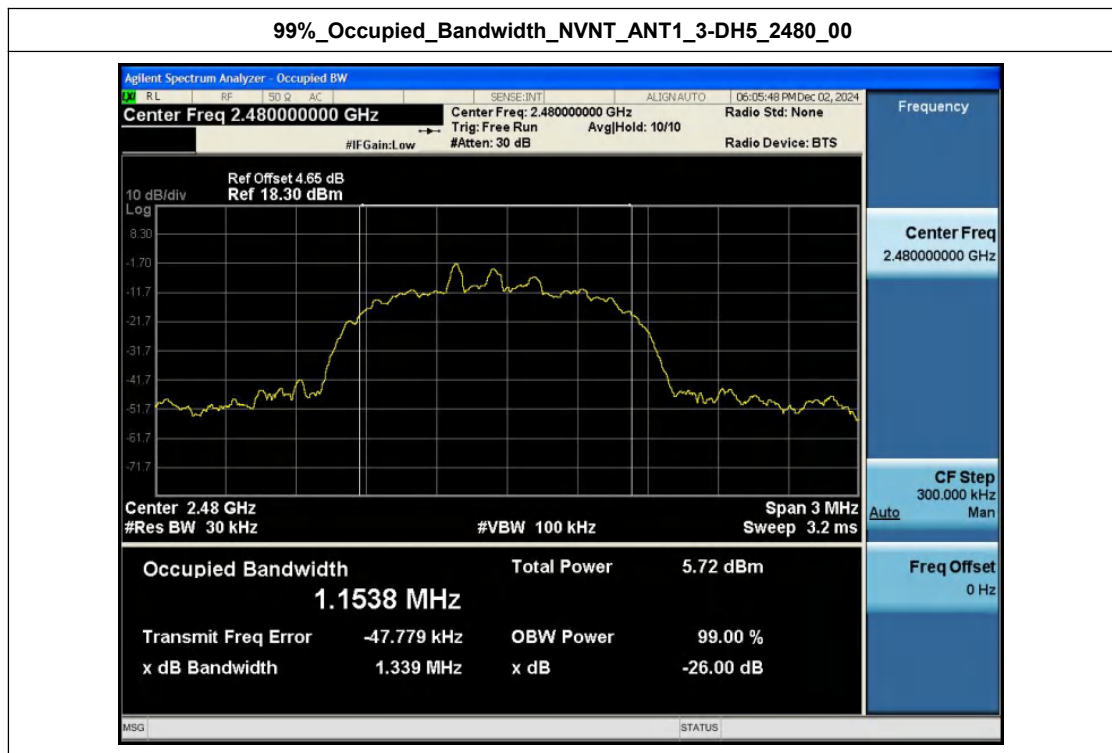


99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2441_00





99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2480_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	-0.14	0.97	125	Pass
NVNT	ANT1	1-DH5	2441.00	-1.03	0.79	125	Pass
NVNT	ANT1	1-DH5	2480.00	-1.00	0.80	125	Pass
NVNT	ANT1	2-DH5	2402.00	-0.14	0.97	125	Pass
NVNT	ANT1	2-DH5	2441.00	-1.02	0.79	125	Pass
NVNT	ANT1	2-DH5	2480.00	-1.01	0.79	125	Pass
NVNT	ANT1	3-DH5	2402.00	0.25	1.06	125	Pass
NVNT	ANT1	3-DH5	2441.00	-0.66	0.86	125	Pass
NVNT	ANT1	3-DH5	2480.00	-0.62	0.87	125	Pass

Peak_Output_Power_NVNT_ANT1_1-DH5_2402_00

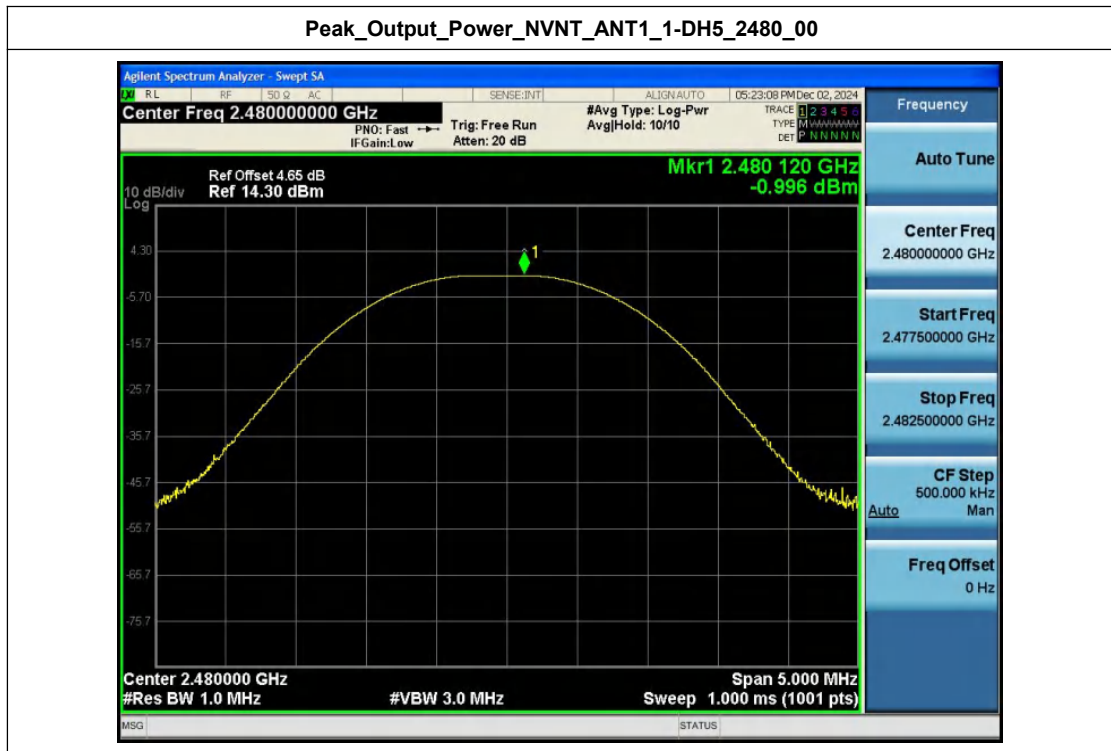


Peak_Output_Power_NVNT_ANT1_1-DH5_2441_00





Peak_Output_Power_NVNT_ANT1_1-DH5_2480_00

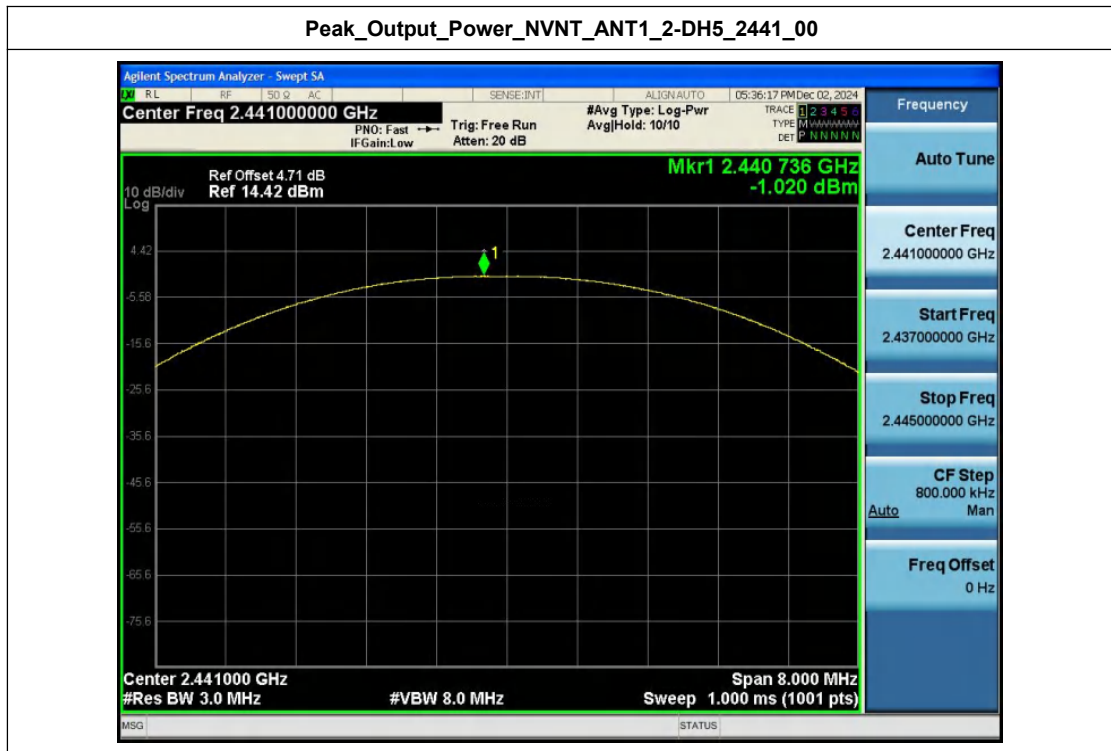


Peak_Output_Power_NVNT_ANT1_2-DH5_2402_00





Peak_Output_Power_NVNT_ANT1_2-DH5_2441_00

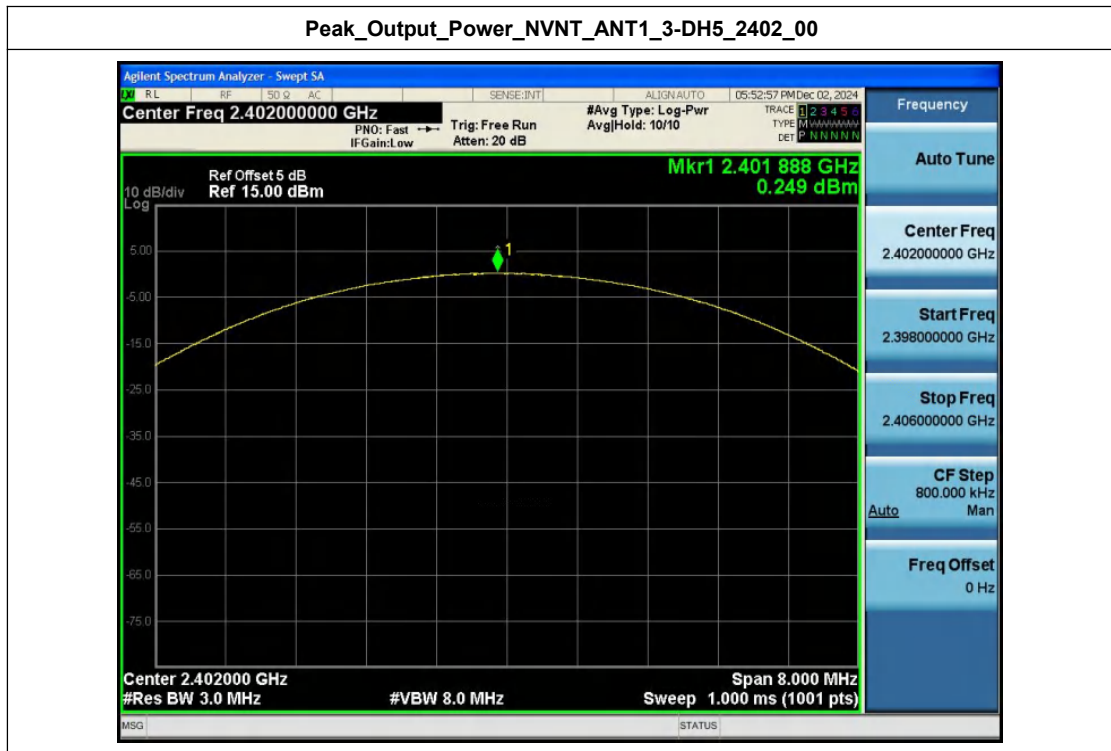


Peak_Output_Power_NVNT_ANT1_2-DH5_2480_00





Peak_Output_Power_NVNT_ANT1_3-DH5_2402_00

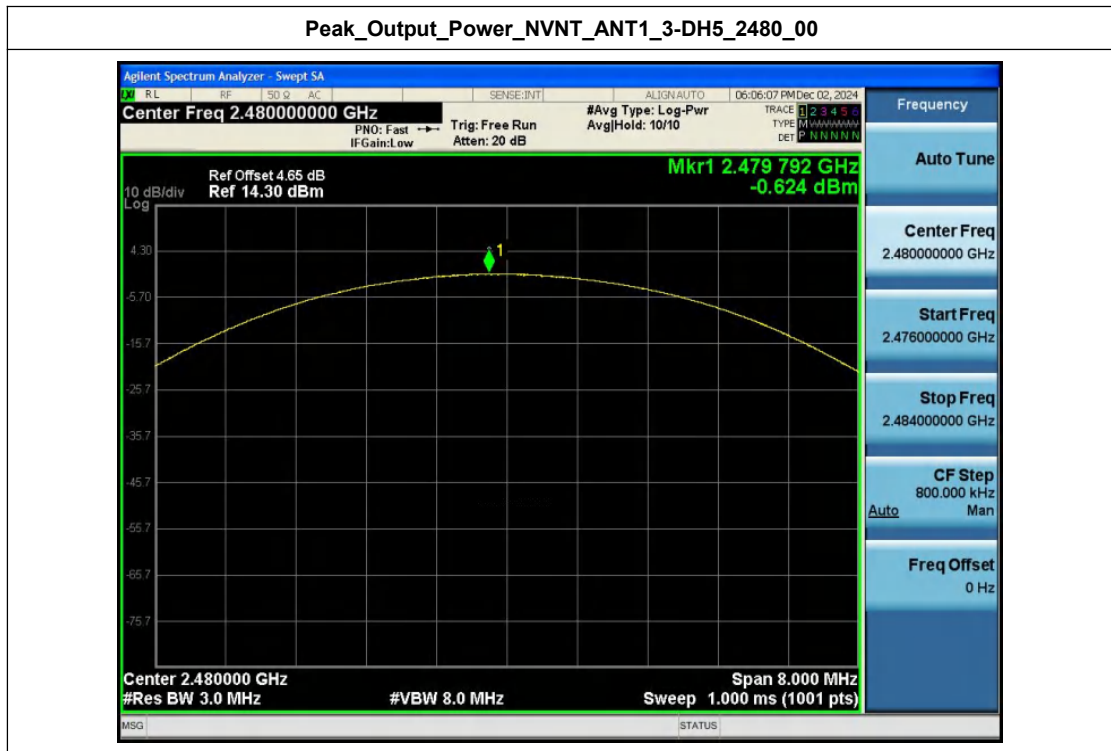


Peak_Output_Power_NVNT_ANT1_3-DH5_2441_00





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	-39.697	-20.270	Pass
NVNT	ANT1	1-DH5	2441.00	-39.351	-21.189	Pass
NVNT	ANT1	1-DH5	2480.00	-39.946	-21.135	Pass
NVNT	ANT1	2-DH5	2402.00	-39.080	-20.405	Pass
NVNT	ANT1	2-DH5	2441.00	-40.563	-21.306	Pass
NVNT	ANT1	2-DH5	2480.00	-41.042	-21.410	Pass
NVNT	ANT1	3-DH5	2402.00	-44.353	-20.300	Pass
NVNT	ANT1	3-DH5	2441.00	-44.233	-21.289	Pass
NVNT	ANT1	3-DH5	2480.00	-38.413	-21.147	Pass

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Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
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Tel:(86)0755-26066440 Email:service@anbotek.com



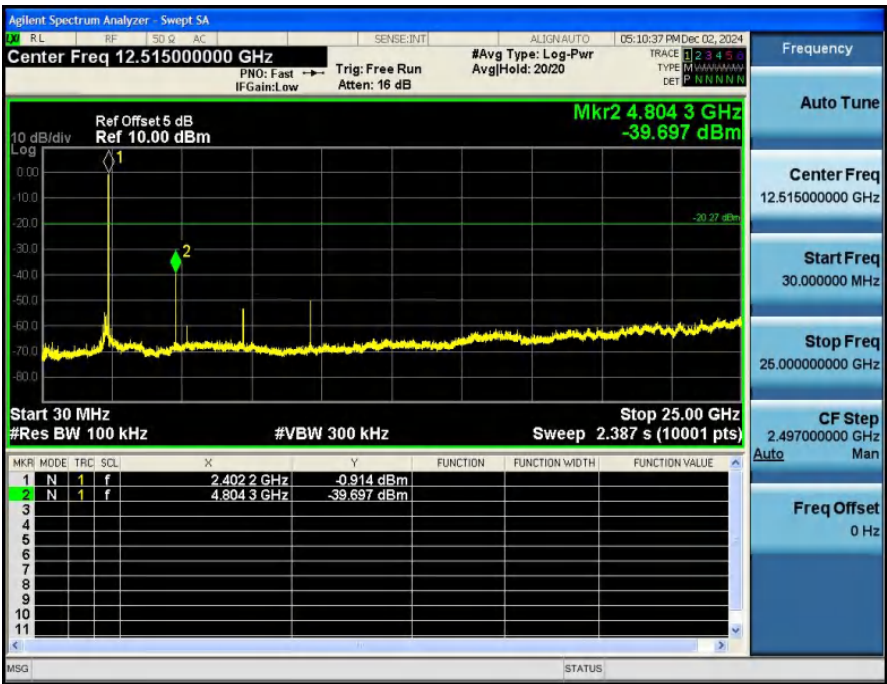
Hotline
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1_Reference_Level_NVNT_ANT1_1-DH5_2402_00



2_Spurious_Emissions_NVNT_ANT1_1-DH5_2402_00



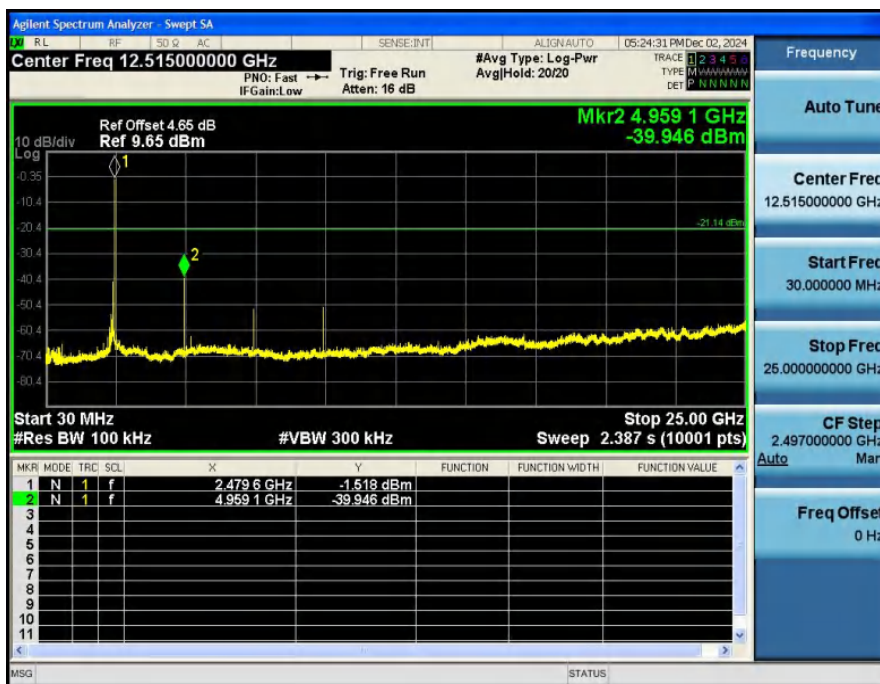
1_Reference_Level_NVNT_ANT1_1-DH5_2441_00







2_Spurious_Emissions_NVNT_ANT1_1-DH5_2480_00



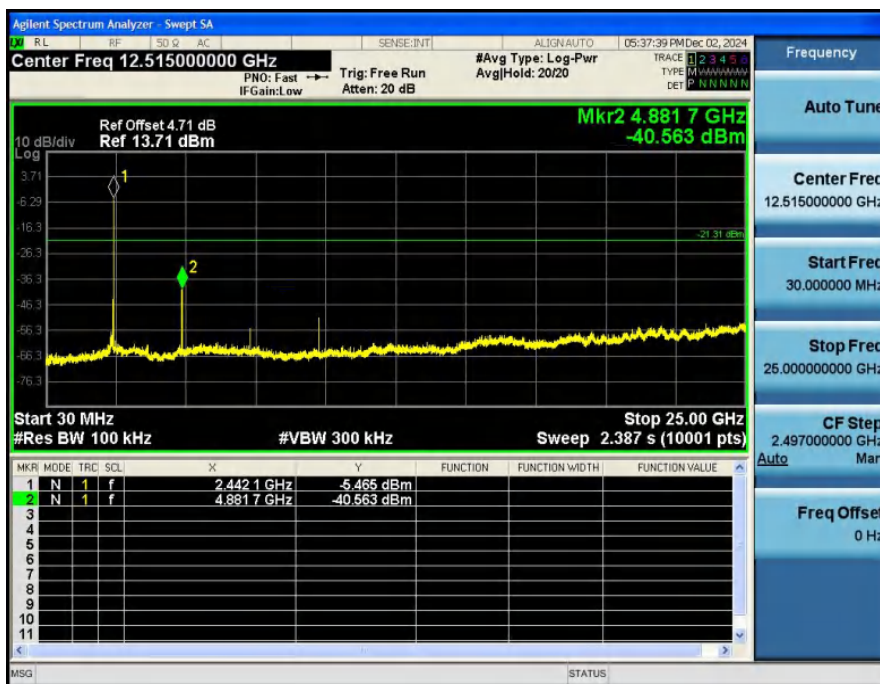
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2_Spurious_Emissions_NVNT_ANT1_2-DH5_2441_00



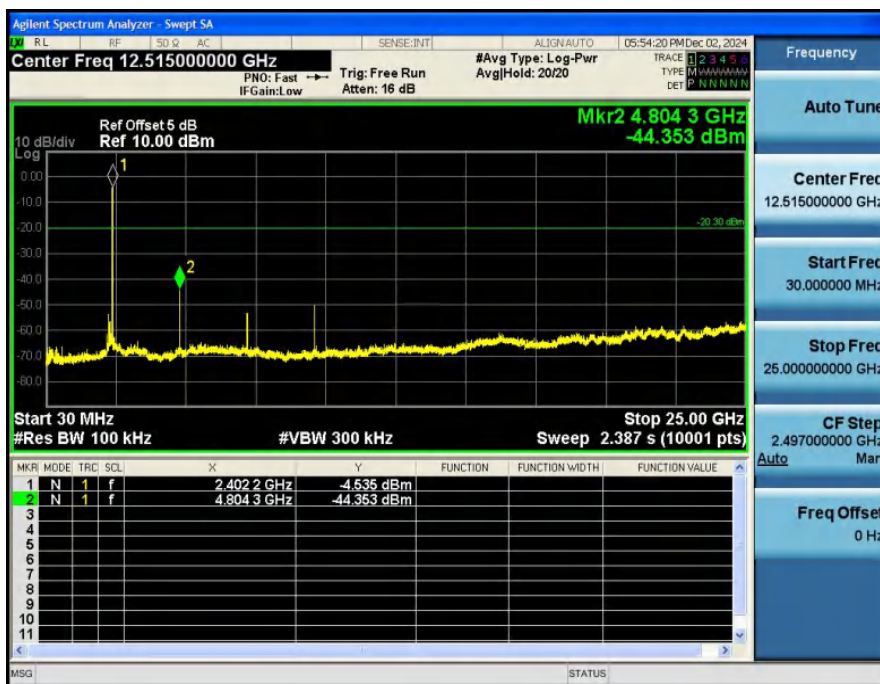
1_Reference_Level_NVNT_ANT1_2-DH5_2480_00







2_Spurious_Emissions_NVNT_ANT1_3-DH5_2402_00

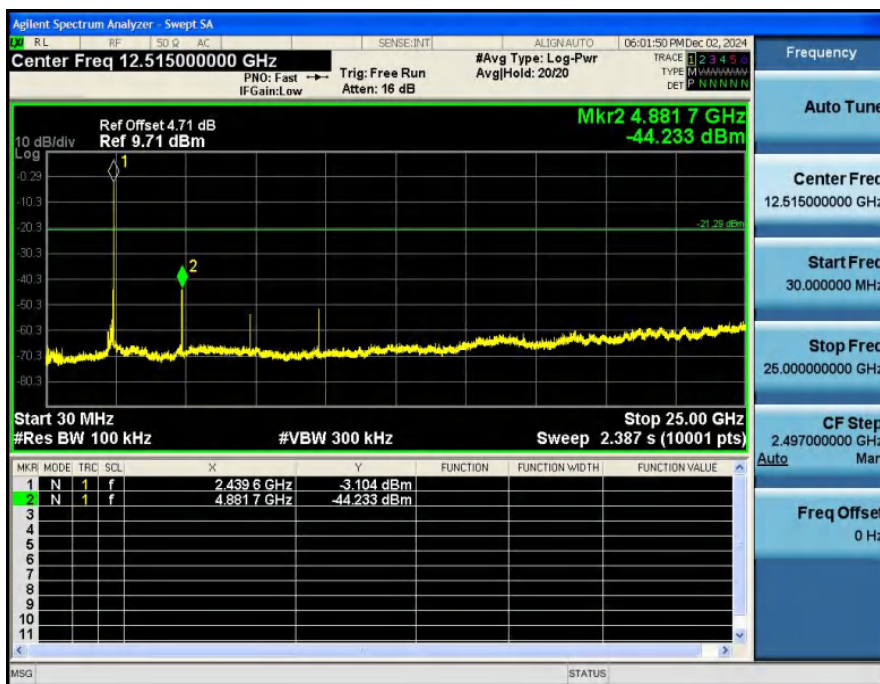


1_Reference_Level_NVNT_ANT1_3-DH5_2441_00





2_Spurious_Emissions_NVNT_ANT1_3-DH5_2441_00



1_Reference_Level_NVNT_ANT1_3-DH5_2480_00





Appendix F: Bandedge

Condition	Antenna	Modulation	TX Mode	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-56.769	-20.270	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	-55.777	-20.507	Pass
NVNT	ANT1	1-DH5	2480.00	-61.836	-21.135	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	-60.305	-20.840	Pass
NVNT	ANT1	2-DH5	2402.00	-58.096	-20.405	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	-54.407	-20.593	Pass
NVNT	ANT1	2-DH5	2480.00	-61.697	-21.410	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	-60.998	-20.866	Pass
NVNT	ANT1	3-DH5	2402.00	-56.662	-20.300	Pass
NVNT	ANT1	3-DH5	Hopping_LCH	-56.952	-20.371	Pass
NVNT	ANT1	3-DH5	2480.00	-62.466	-21.147	Pass
NVNT	ANT1	3-DH5	Hopping_HCH	-61.709	-20.606	Pass

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Tel:(86)0755-26066440 Email:service@anbotek.com



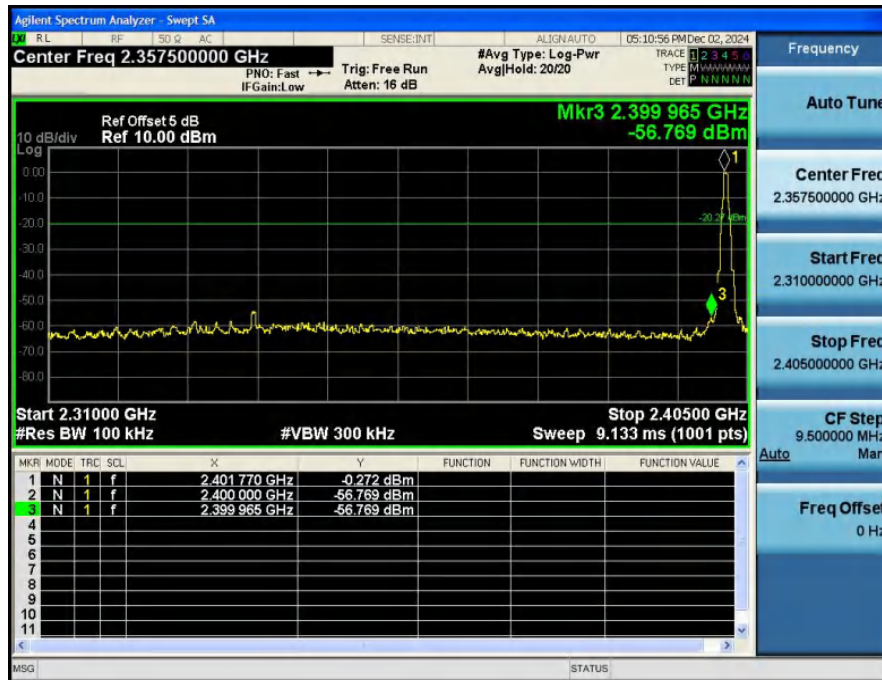
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1_Reference_Level_NVNT_ANT1_1-DH5_2402_00

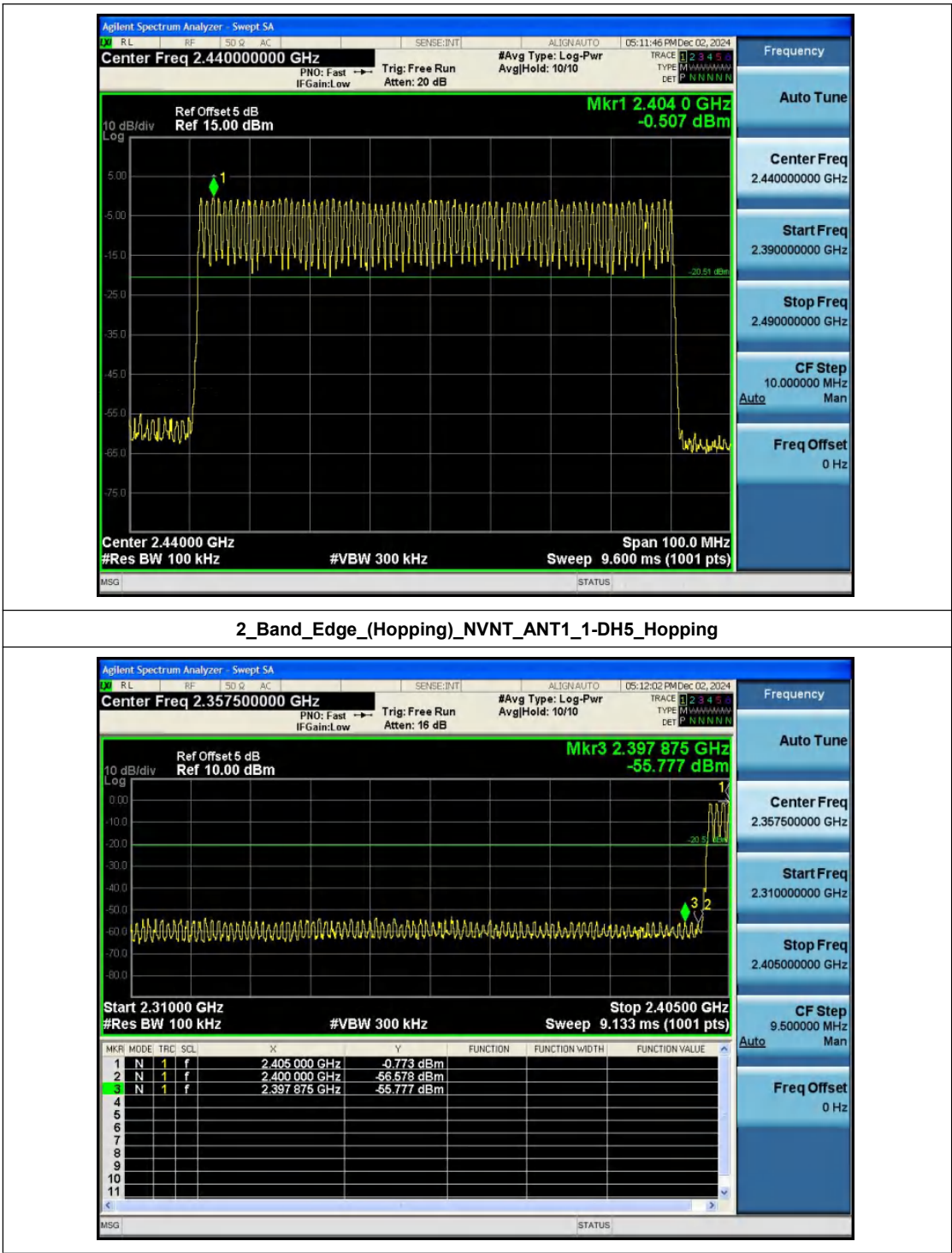


2_Bandedge_NVNT_ANT1_1-DH5_2402_00



1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping



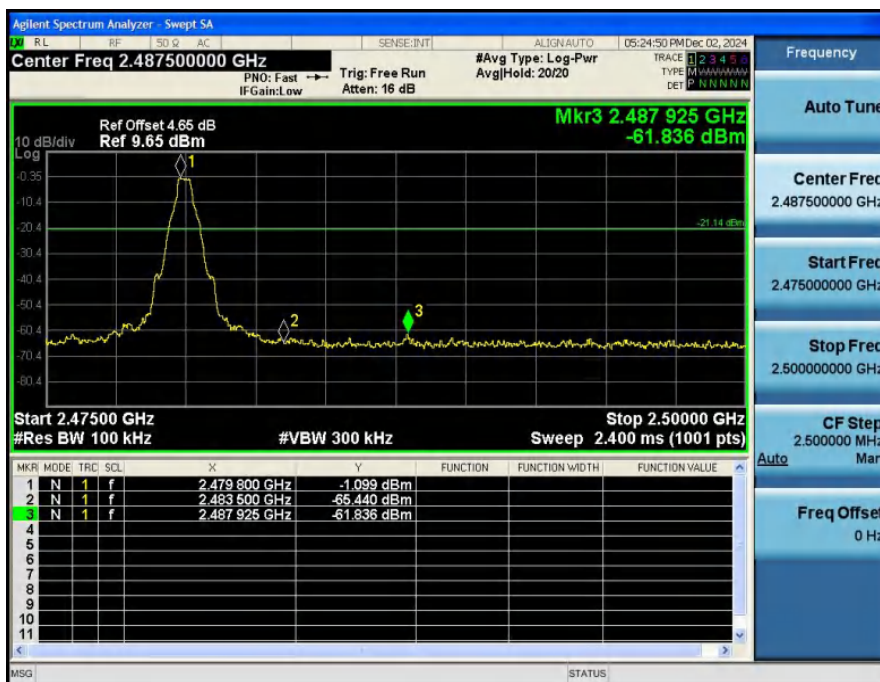


1_Reference_Level_NVNT_ANT1_1-DH5_2480_00



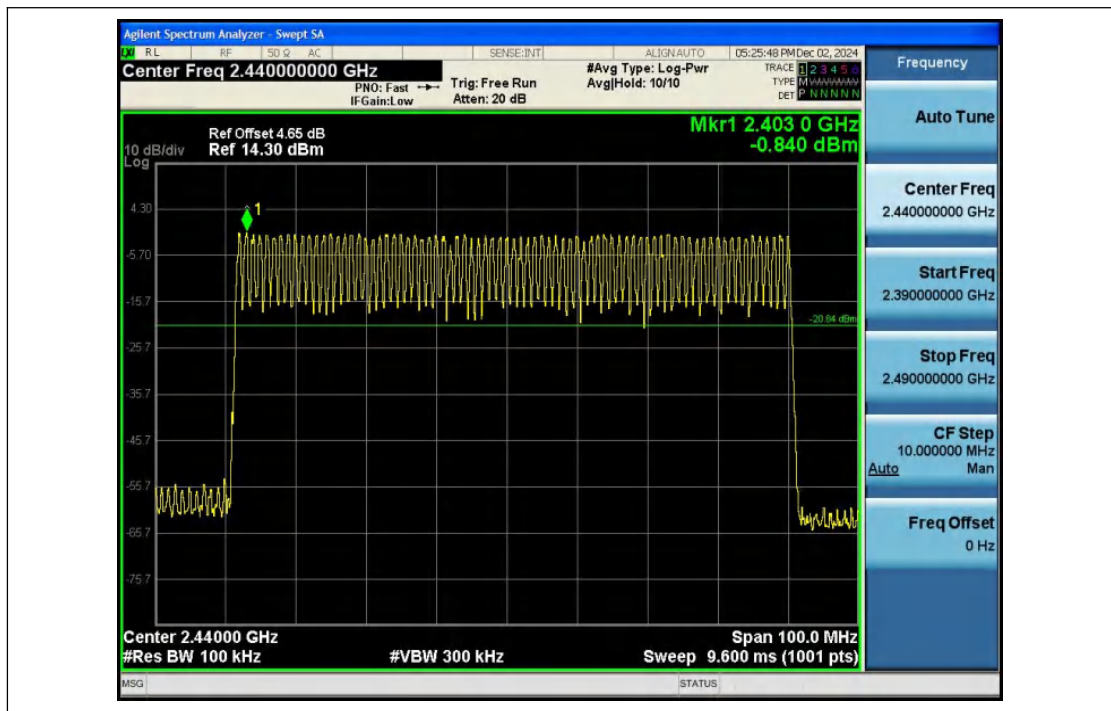


2_Bandedge_NVNT_ANT1_1-DH5_2480_00

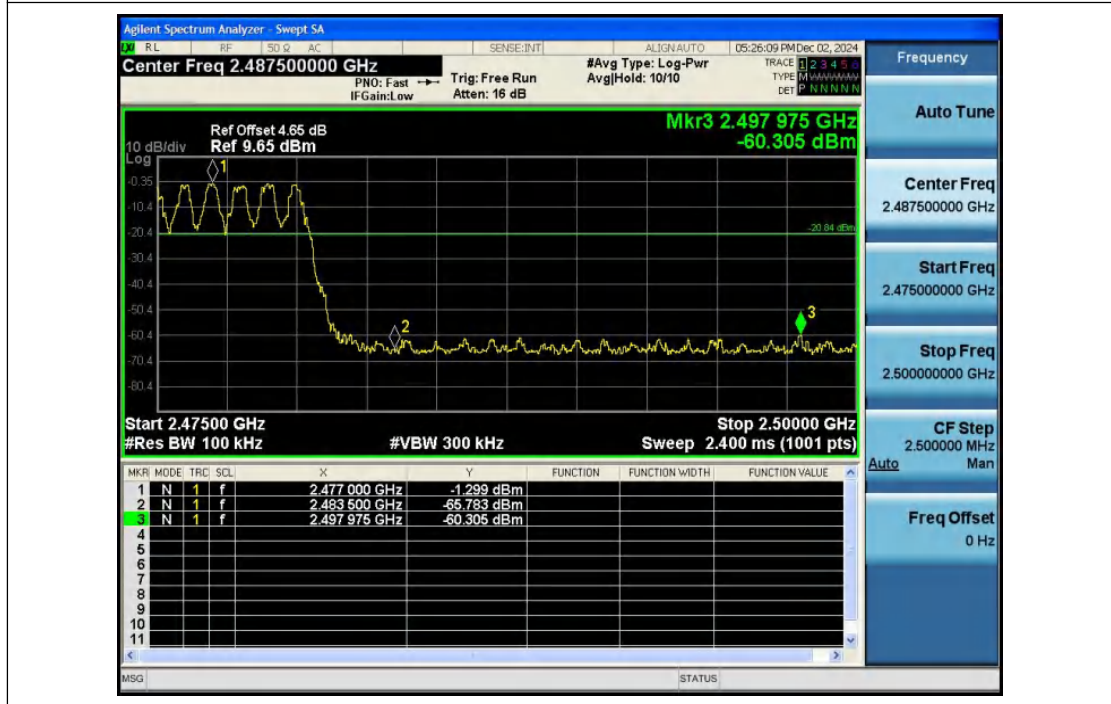


1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping



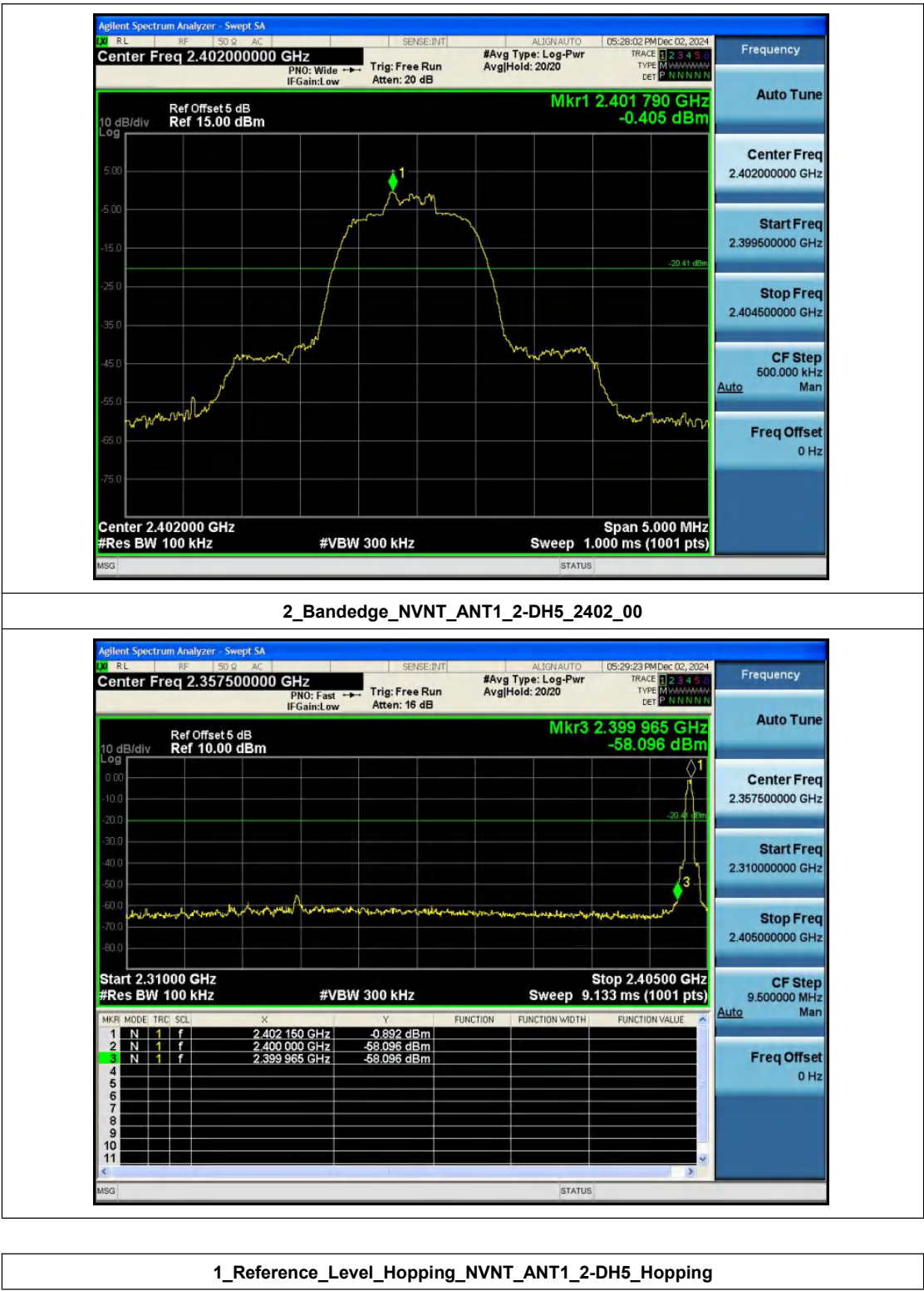


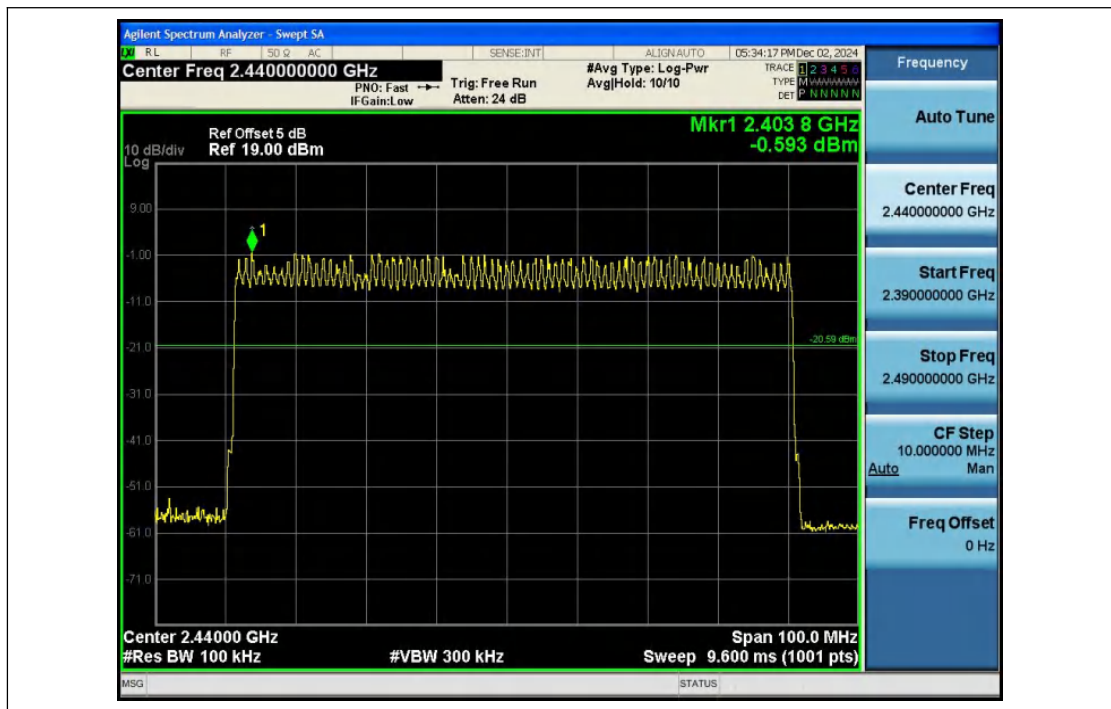
2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



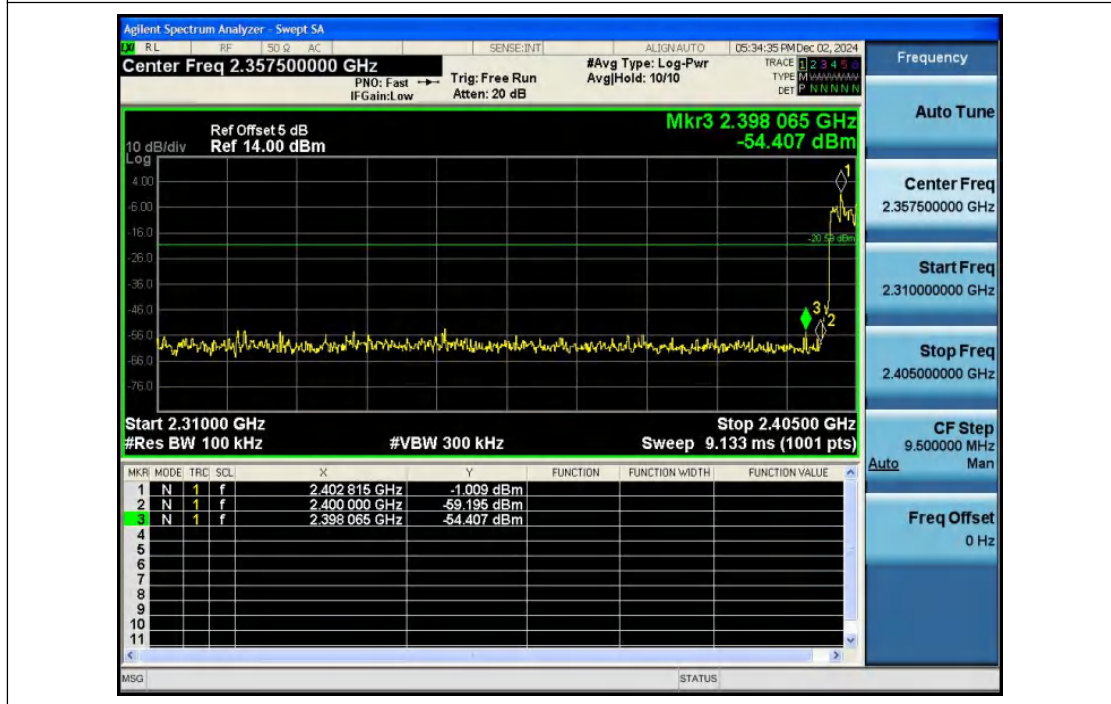
1_Reference_Level_NVNT_ANT1_2-DH5_2402_00







2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping

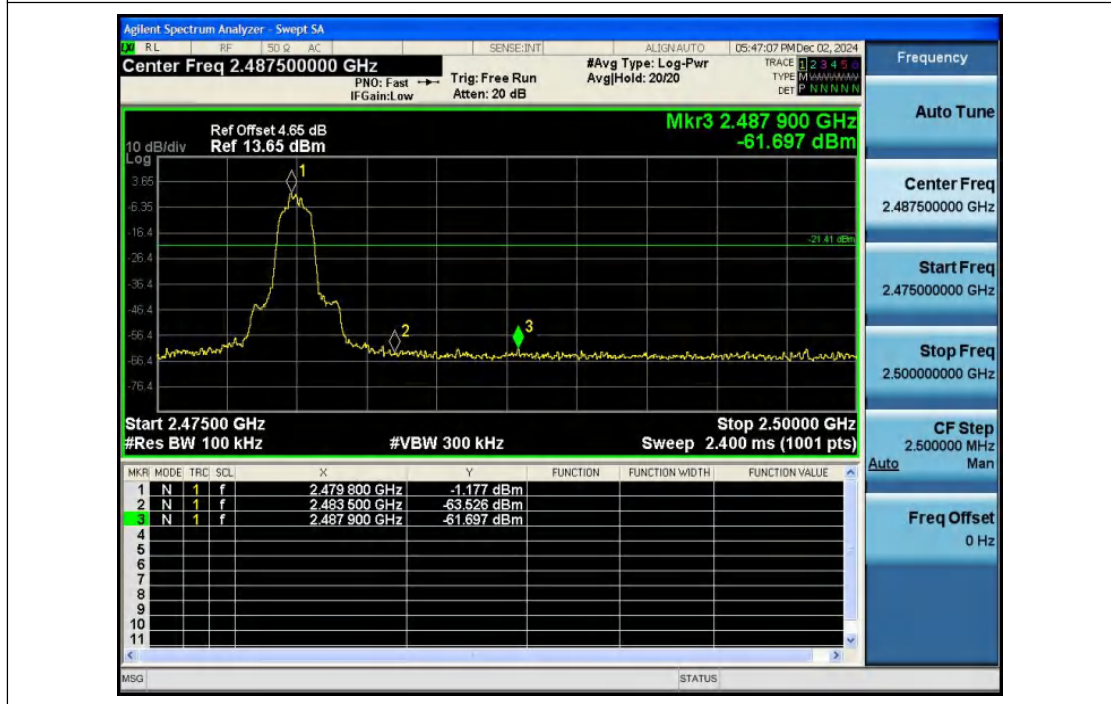


1_Reference_Level_NVNT_ANT1_2-DH5_2480_00



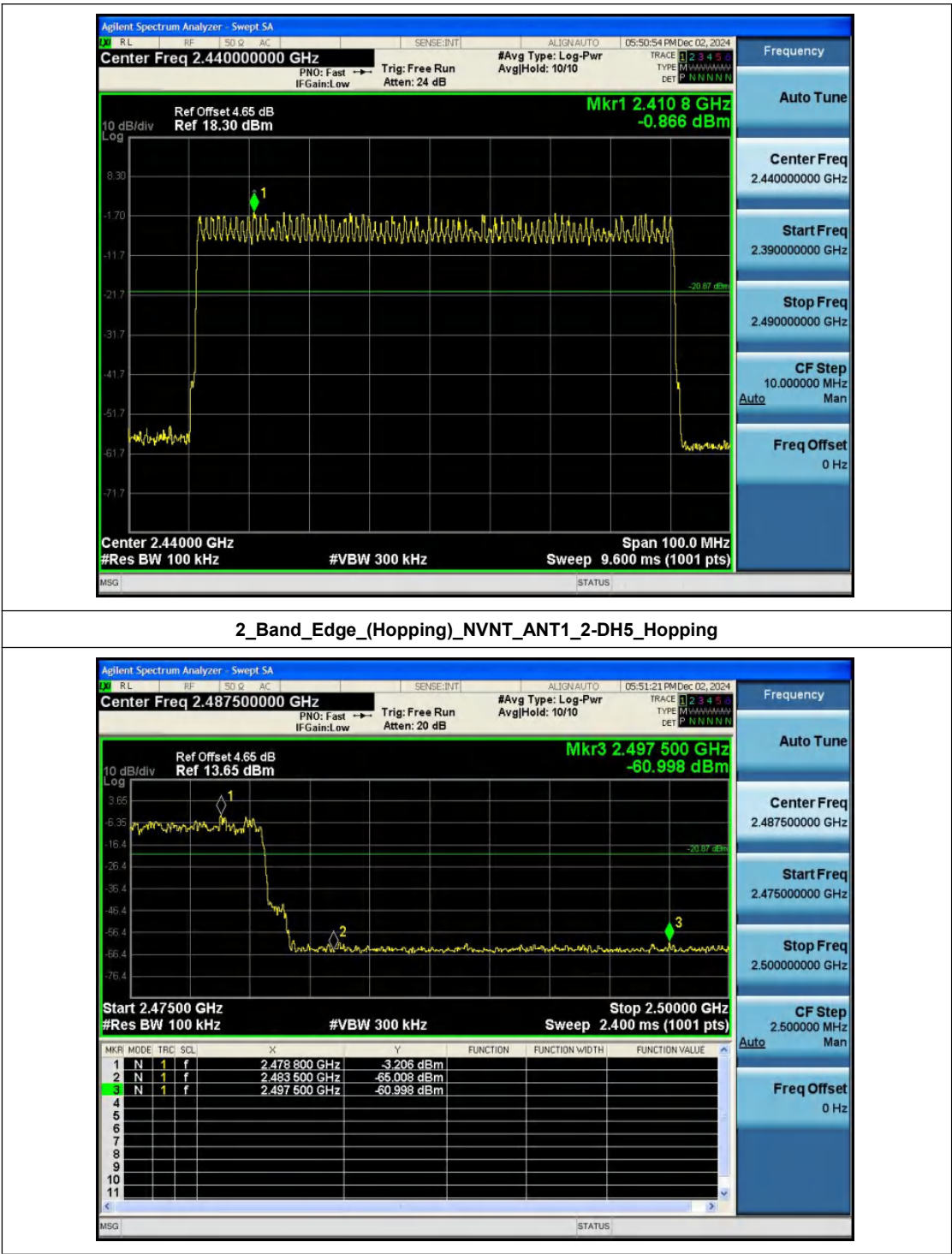


2_Bandedge_NVNT_ANT1_2-DH5_2480_00



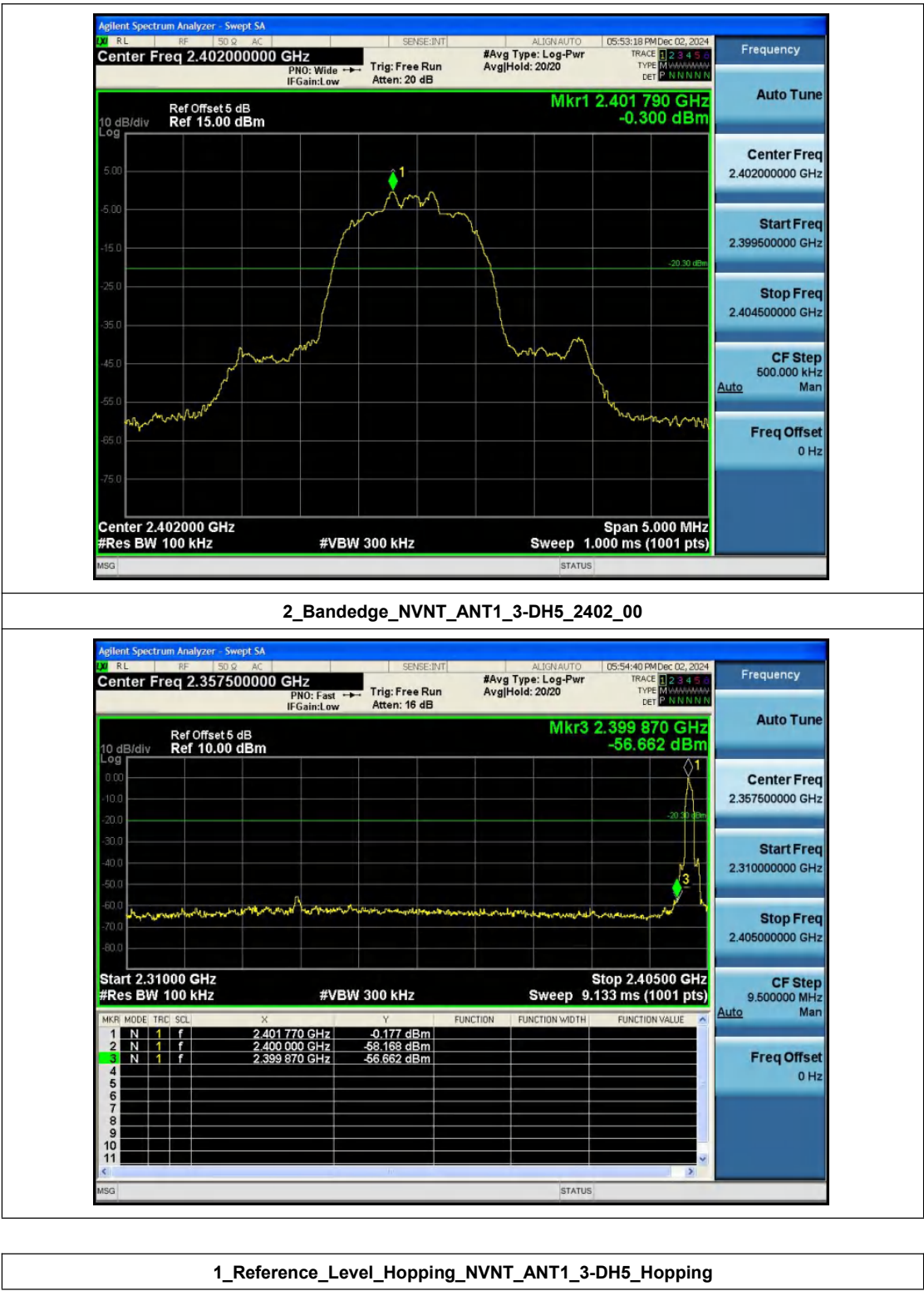
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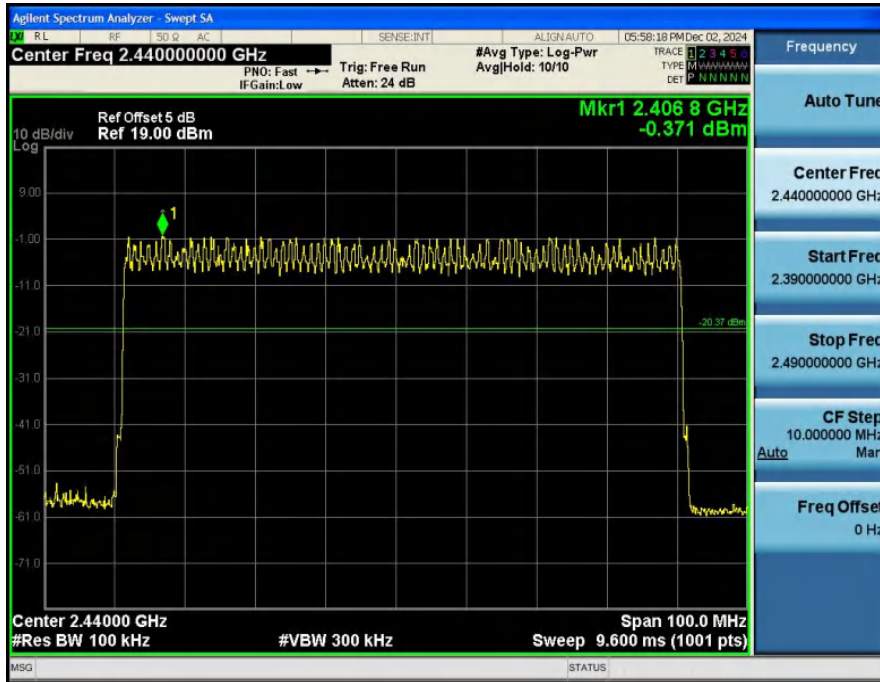




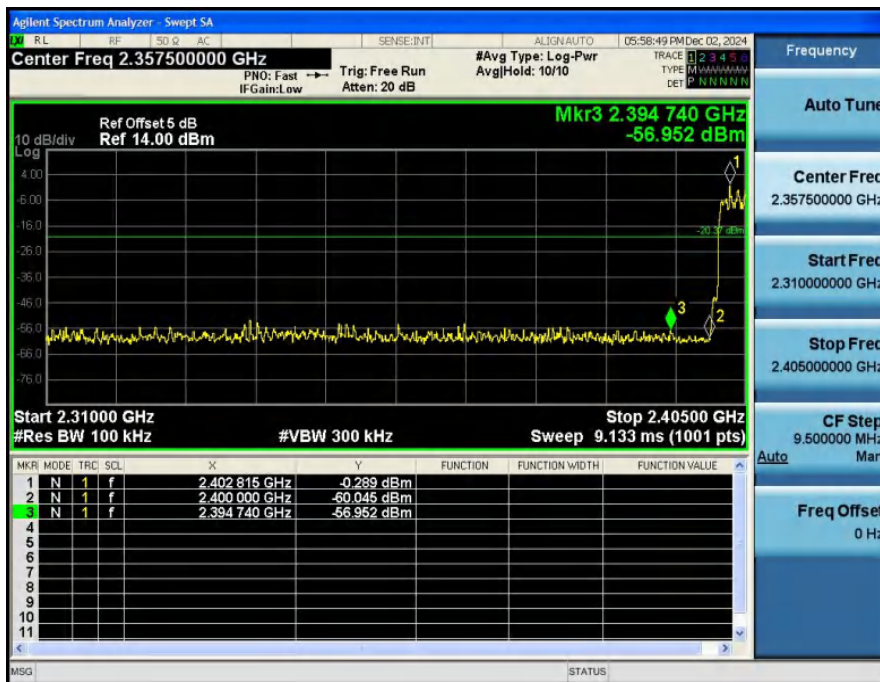
1_Reference_Level_NVNT_ANT1_3-DH5_2402_00







2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping

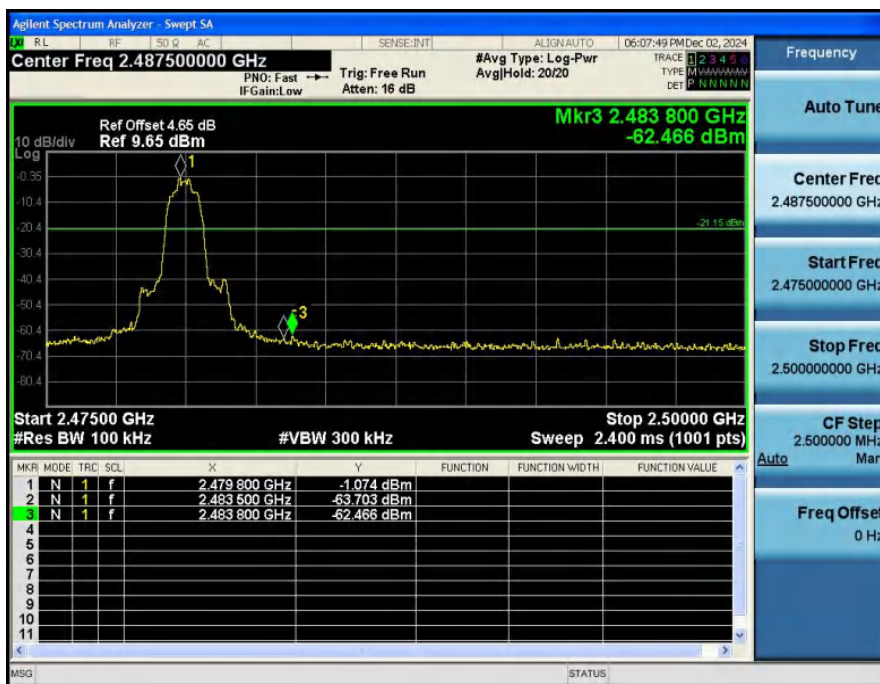


1_Reference_Level_NVNT_ANT1_3-DH5_2480_00



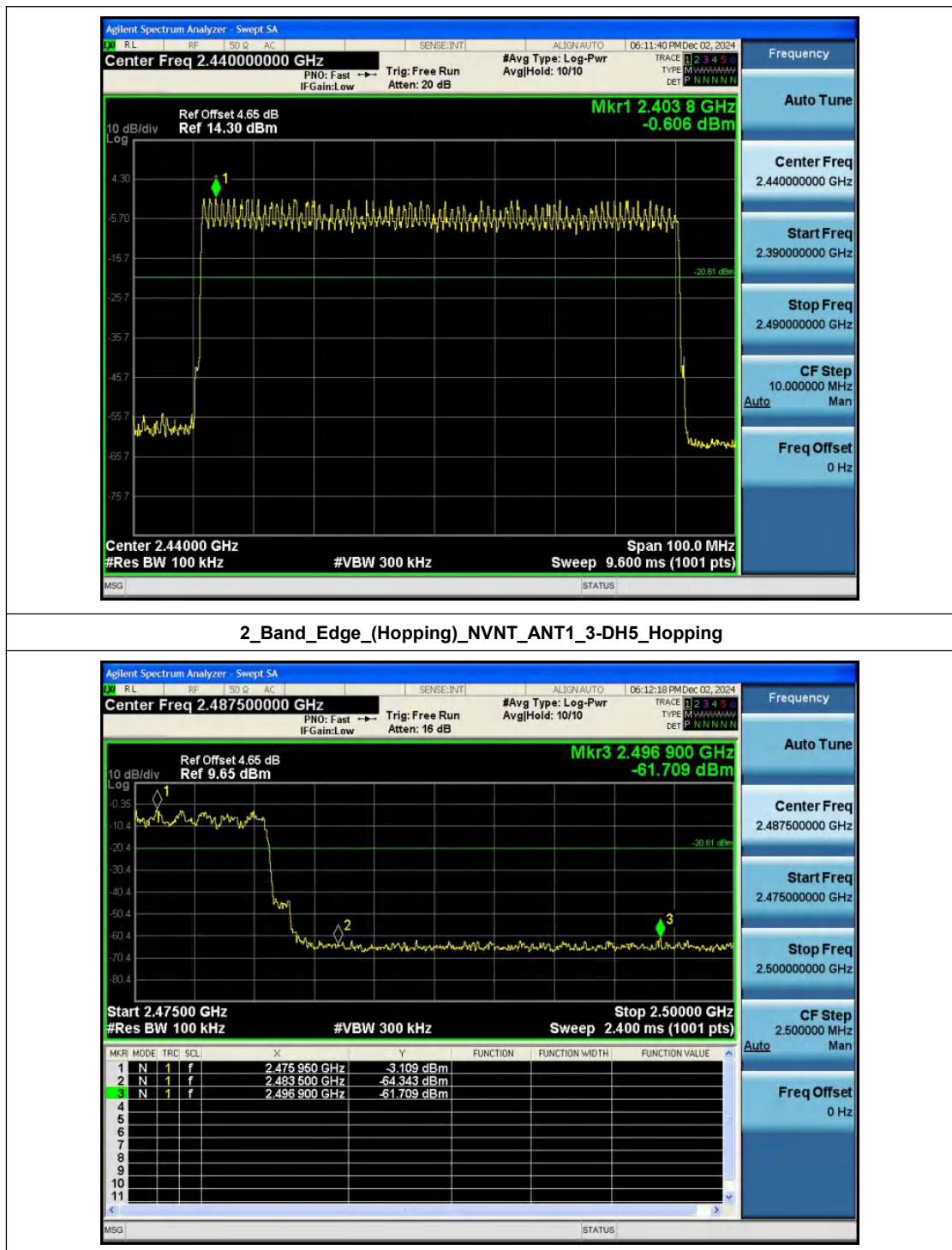


2_Bandedge_NVNT_ANT1_3-DH5_2480_00



1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping





Appendix G: Carrier Frequencies Separation (Hopping)

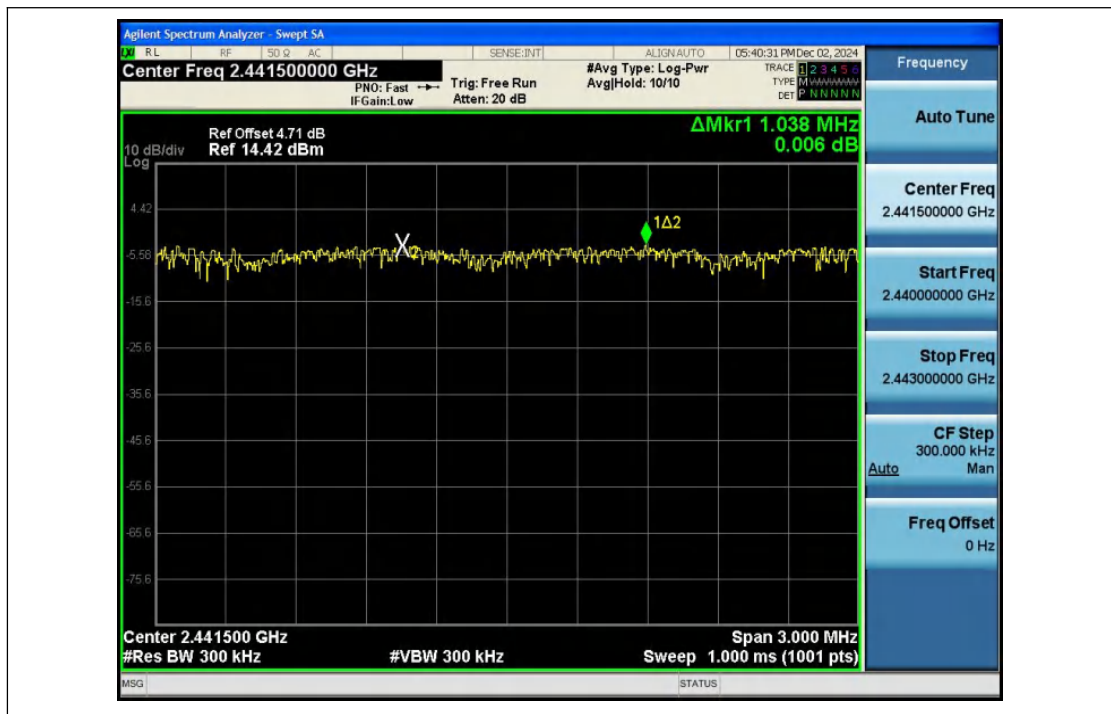
Condition	Antenna	Modulation	Frequency(MHz)	Hopping NO.0 (MHz)	Hopping NO.1 (MHz)	Carrier Frequencies Separation(MHz)	Limit(MHz)	Result
NVNT	ANT1	1-DH5	2441.00	2440.774	2441.794	1.02	0.628	Pass
NVNT	ANT1	2-DH5	2441.00	2441.053	2442.091	1.04	0.846	Pass
NVNT	ANT1	3-DH5	2441.00	2440.801	2442.100	1.30	0.833	Pass

Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_1-DH5_Hopping

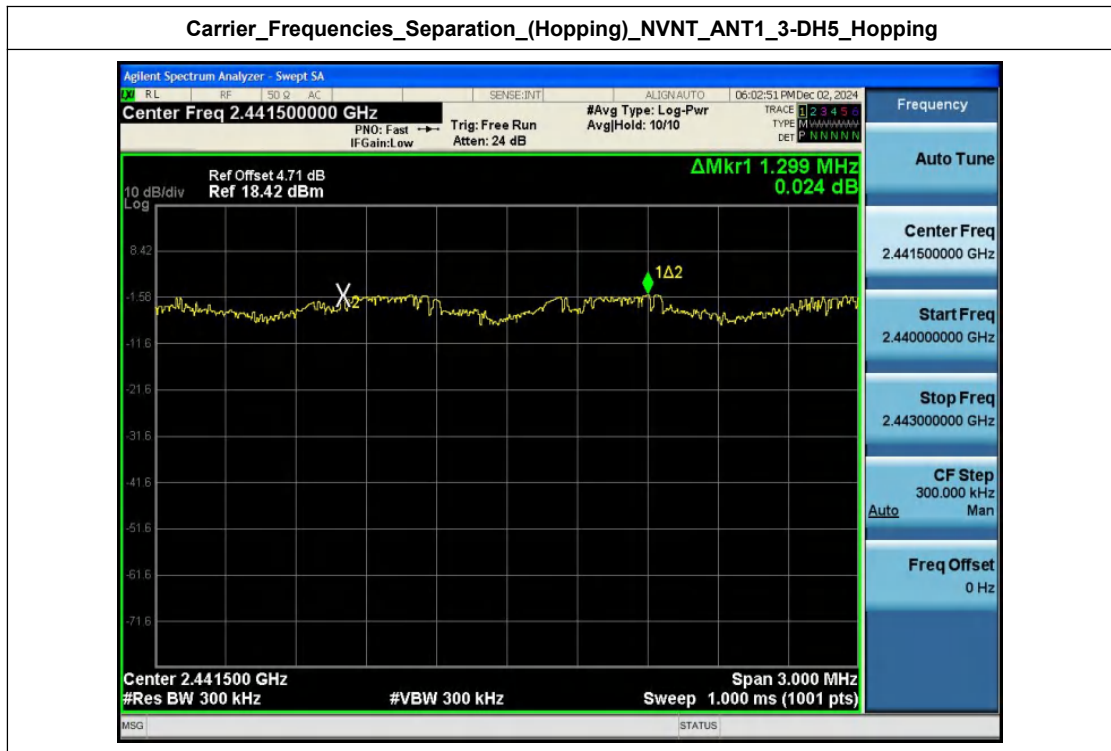


Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH5_Hopping





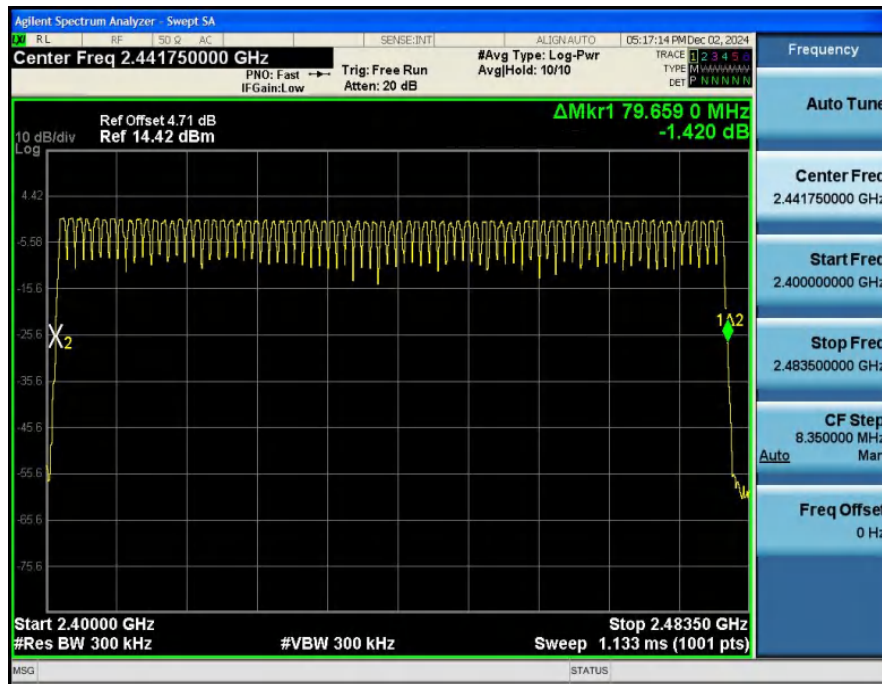
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH5_Hopping



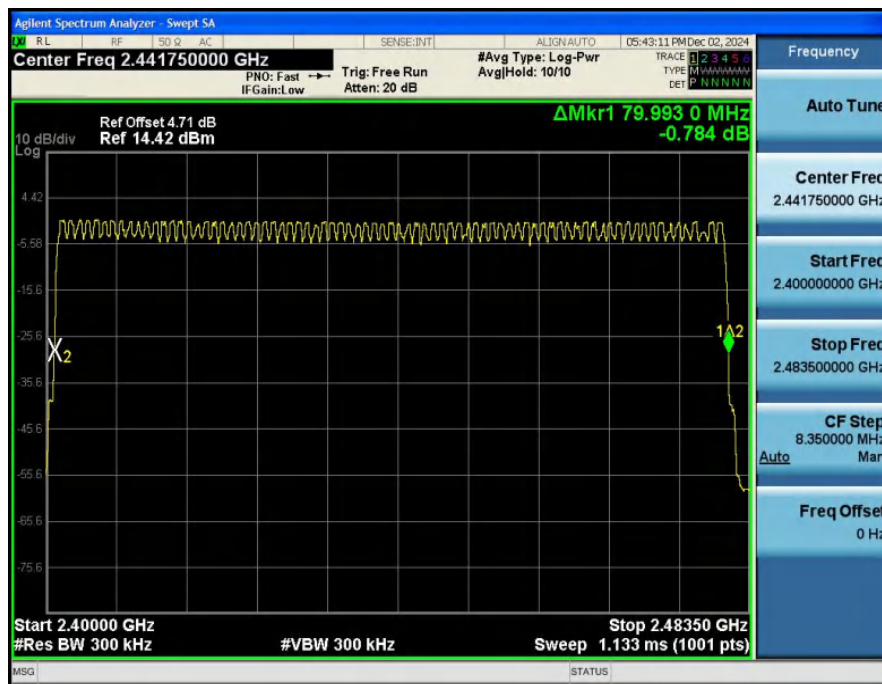
Appendix H: Number of Hopping Channel (Hopping)

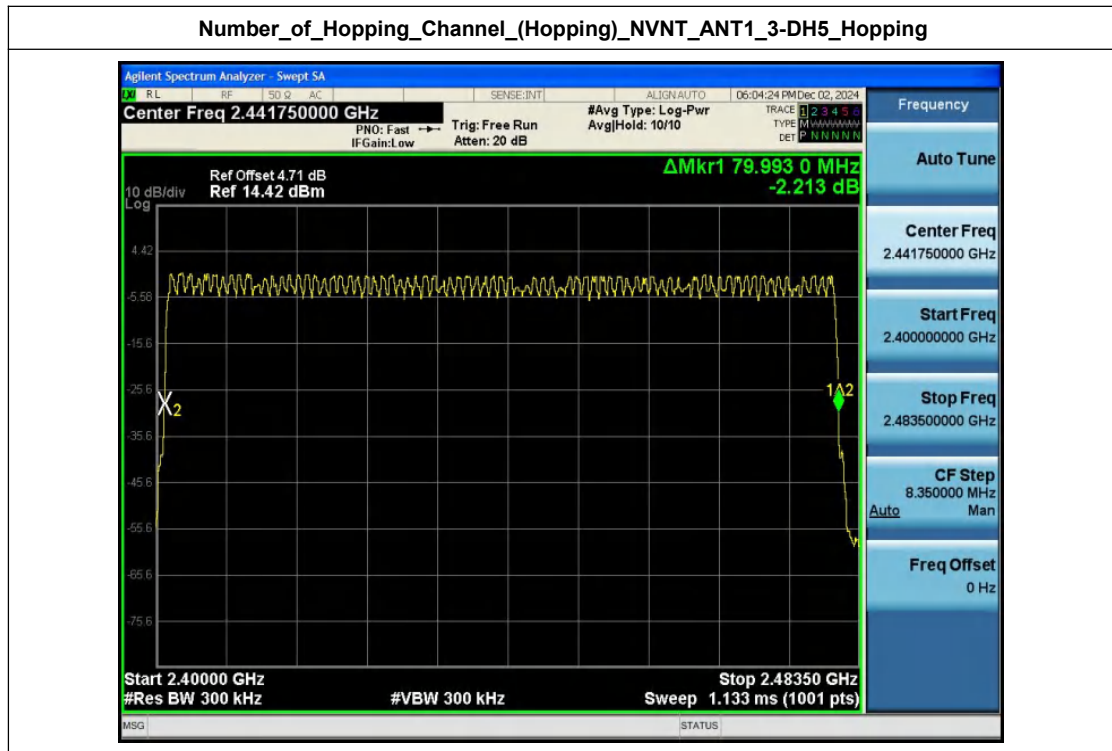
Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	1-DH5	79	15	Pass
NVNT	ANT1	2-DH5	79	15	Pass
NVNT	ANT1	3-DH5	79	15	Pass

Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_1-DH5_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_2-DH5_Hopping





Shenzhen Anbotek Compliance Laboratory Limited

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
Tel: (86) 0755-26066440 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com

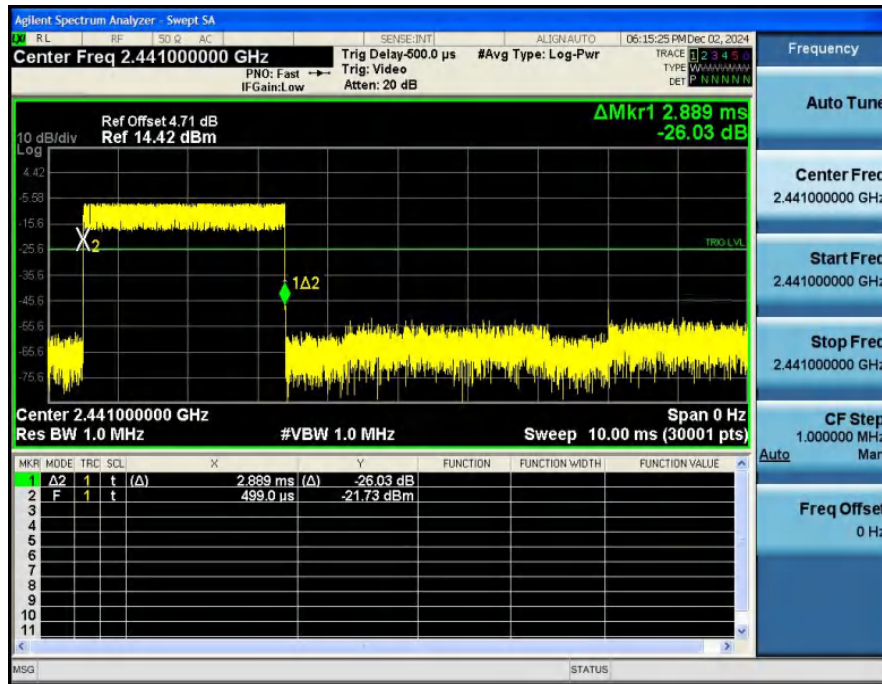


Appendix I: Dwell Time (Hopping)

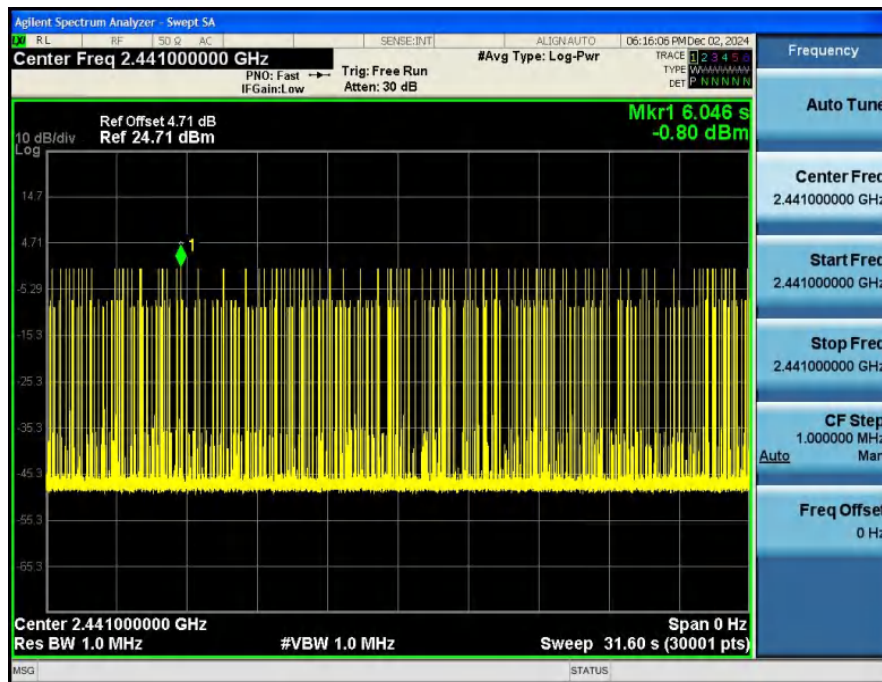
Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH5	2.889	109.00	314.901	0.40	Pass
NVNT	ANT1	2-DH5	2.894	95.00	274.930	0.40	Pass
NVNT	ANT1	3-DH5	2.896	103.00	298.288	0.40	Pass
NVNT	ANT1	1-DH1	0.384	319.00	122.496	0.40	Pass
NVNT	ANT1	1-DH3	1.641	160.00	262.560	0.40	Pass
NVNT	ANT1	2-DH1	0.393	320.00	125.760	0.40	Pass
NVNT	ANT1	2-DH3	1.645	162.00	266.490	0.40	Pass
NVNT	ANT1	3-DH1	0.393	319.00	125.367	0.40	Pass
NVNT	ANT1	3-DH3	1.645	164.00	269.780	0.40	Pass



Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_One_Burst_Time

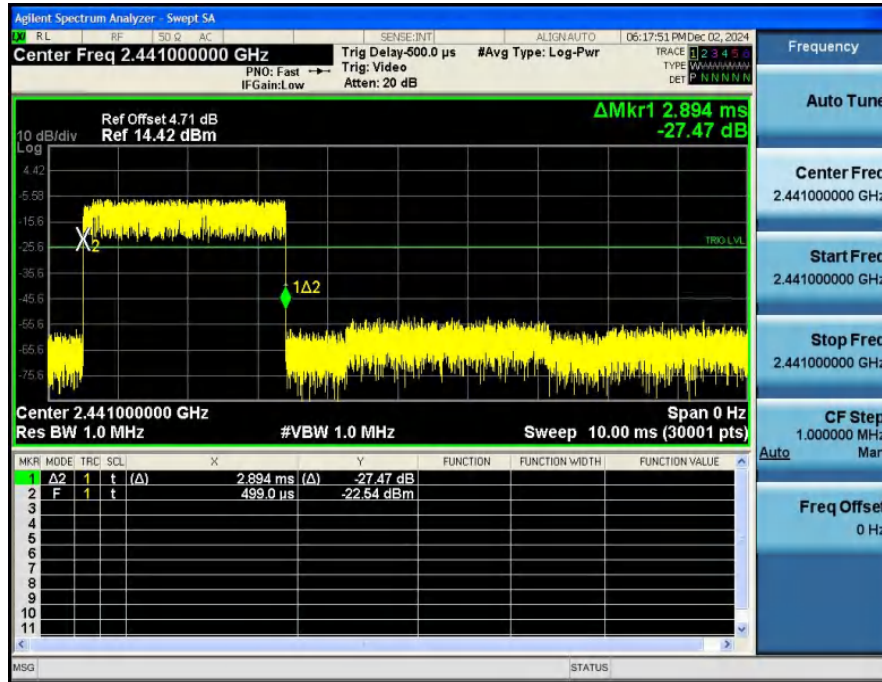


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_Accumulated

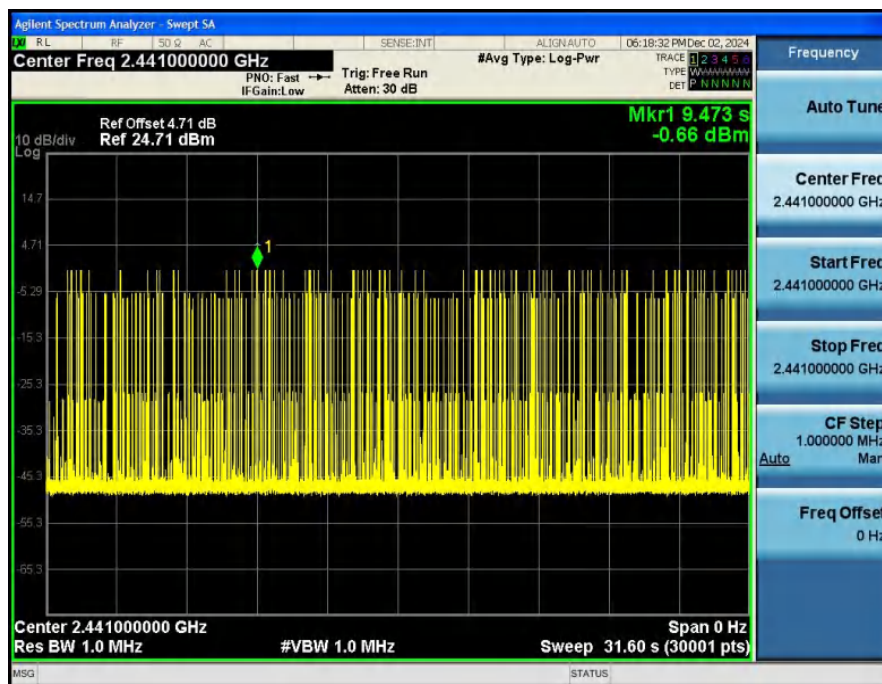


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_One_Burst_Time



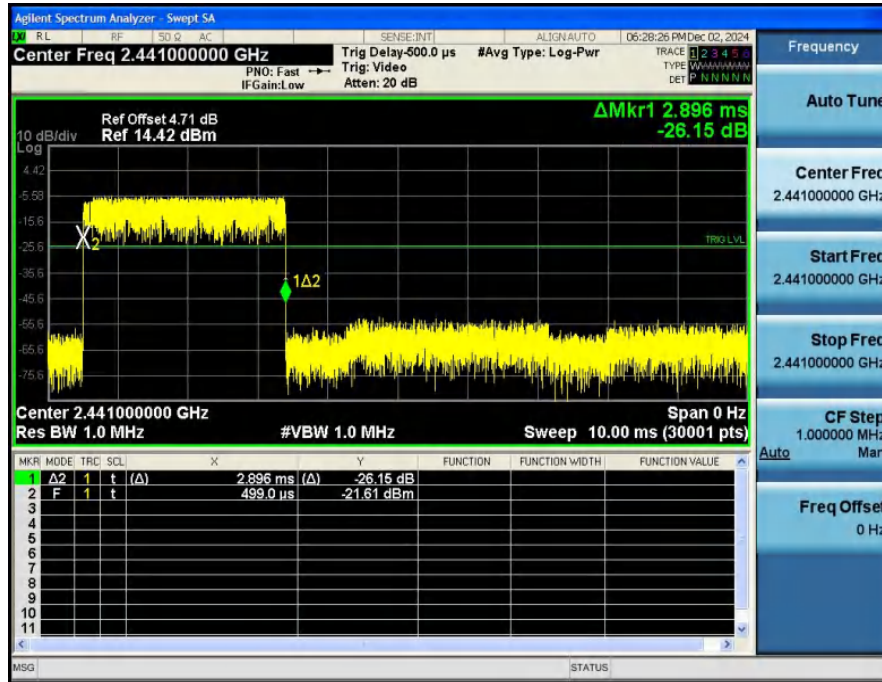


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_Accumulated

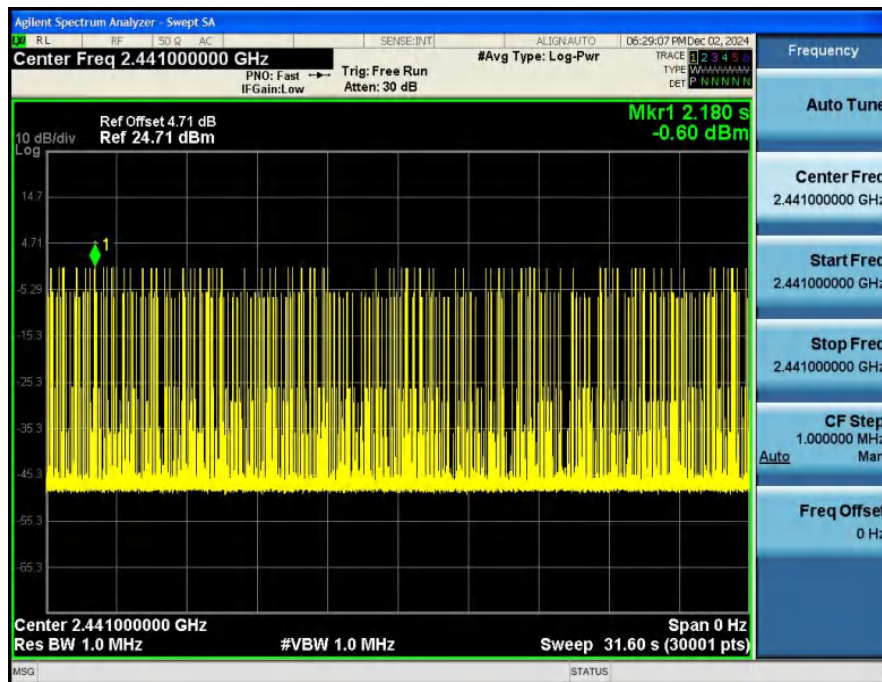


Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_One_Burst_Time



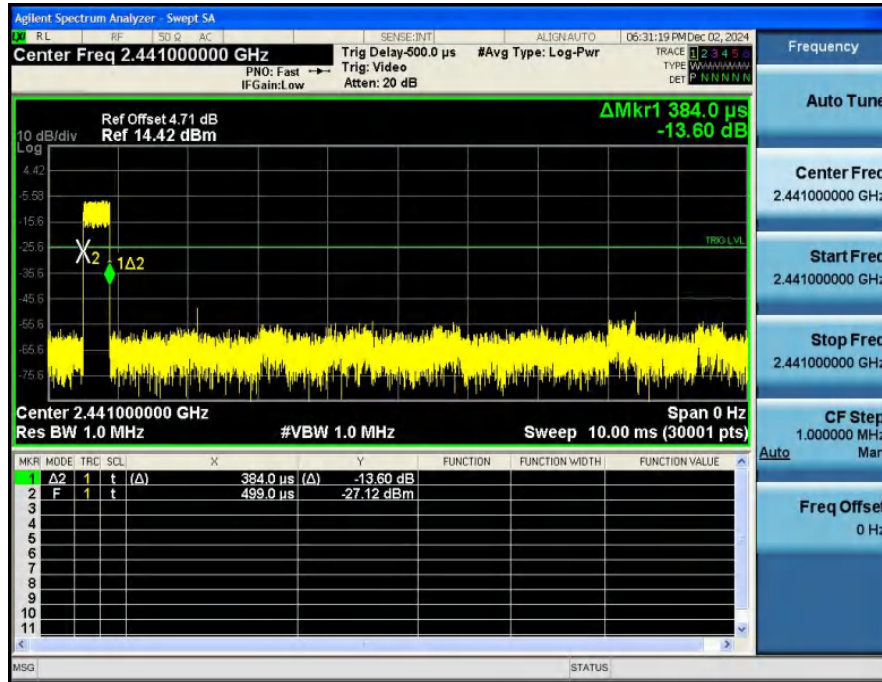


Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_Accumulated

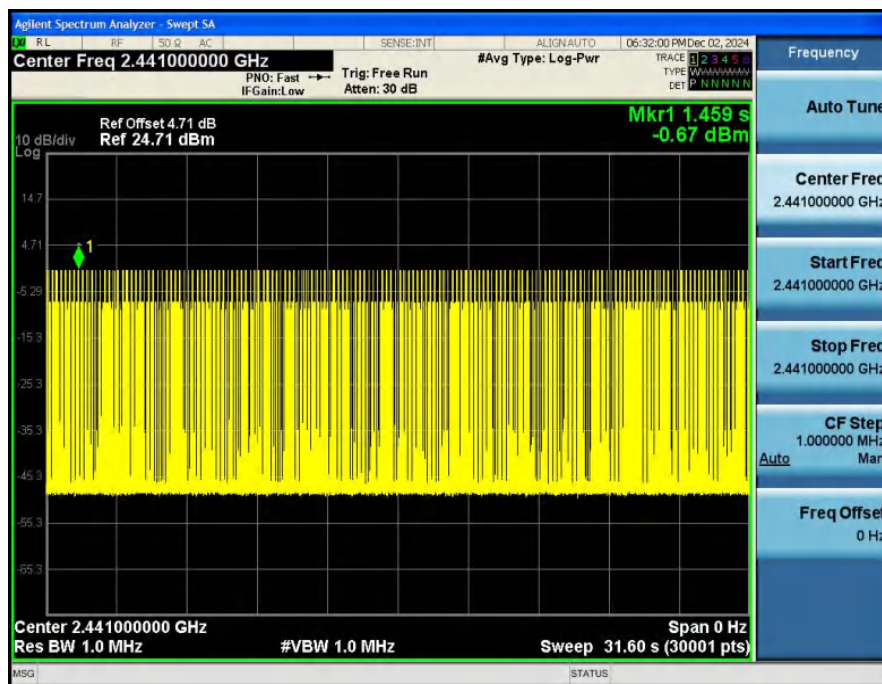


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH1_2441_00_One_Burst_Time



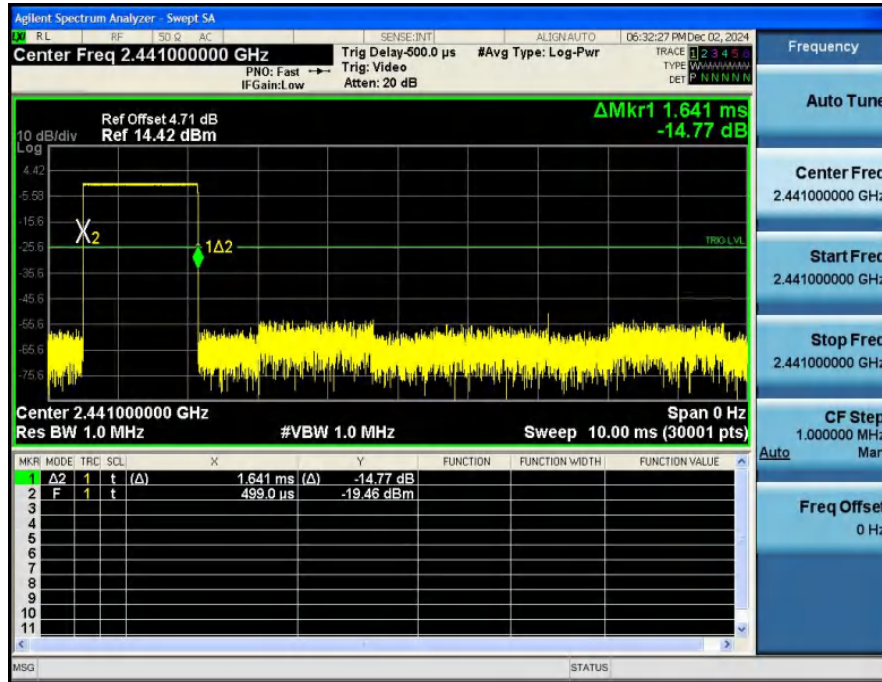


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH1_2441_00_Accumulated

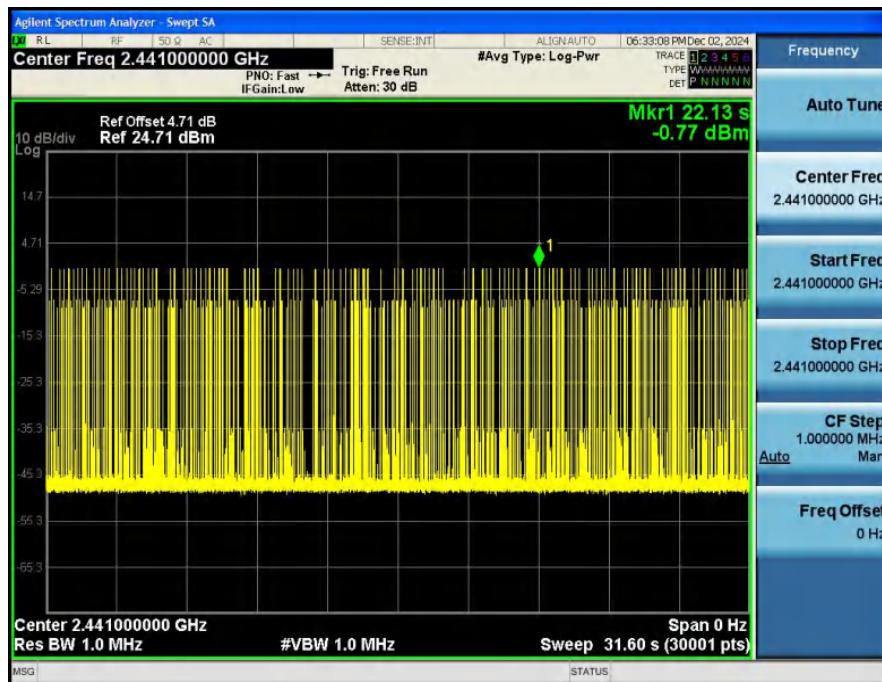


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH3_2441_00_One_Burst_Time



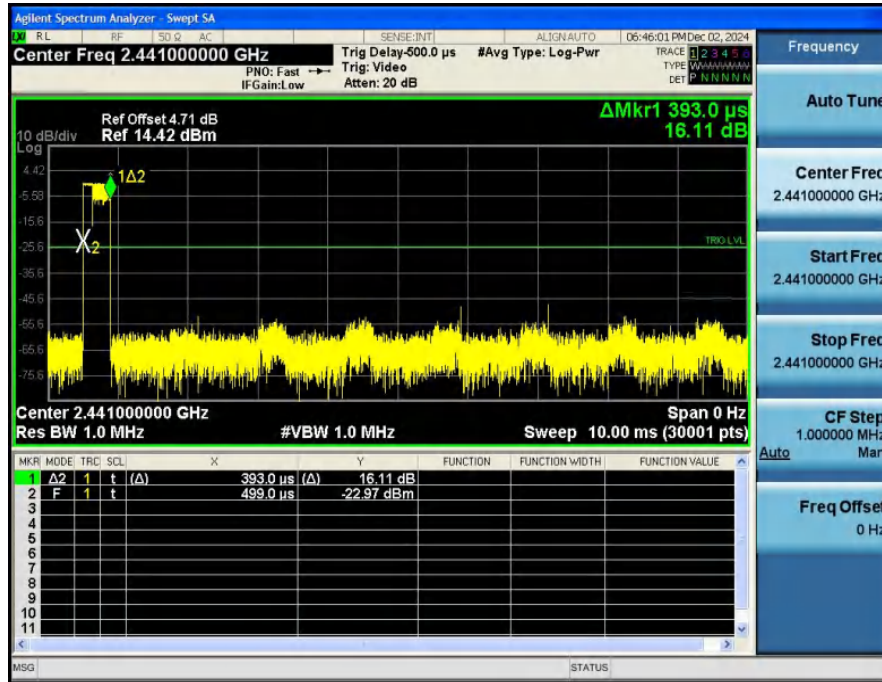


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH3_2441_00_Accumulated

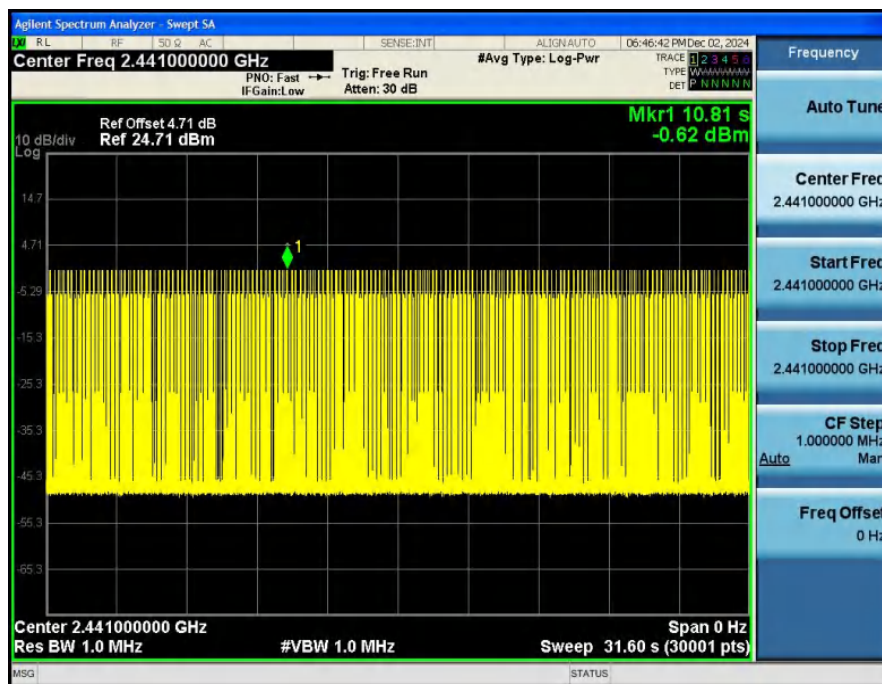


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH1_2441_00_One_Burst_Time



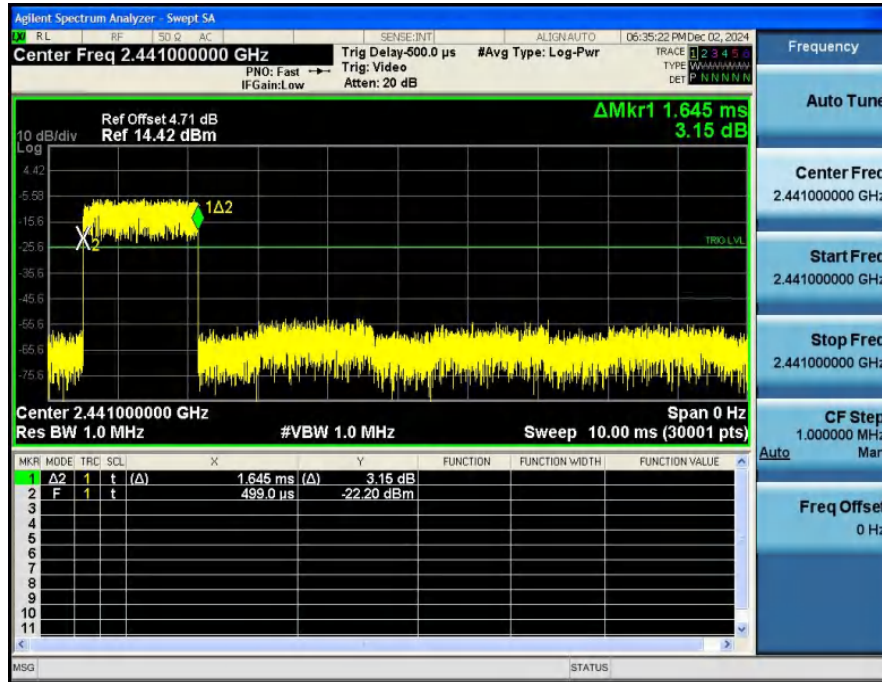


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH1_2441_00_Accumulated

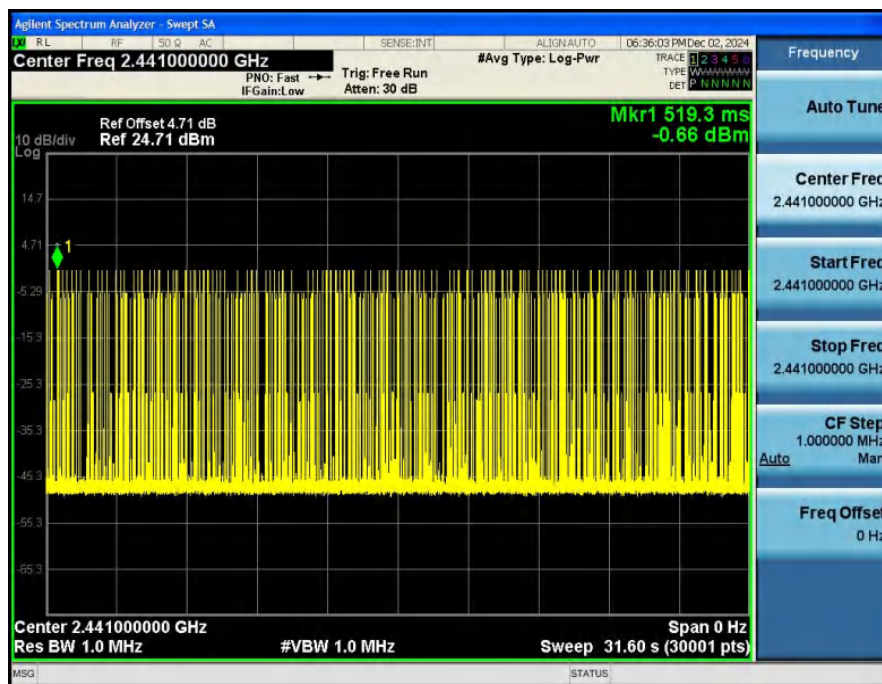


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH3_2441_00_One_Burst_Time



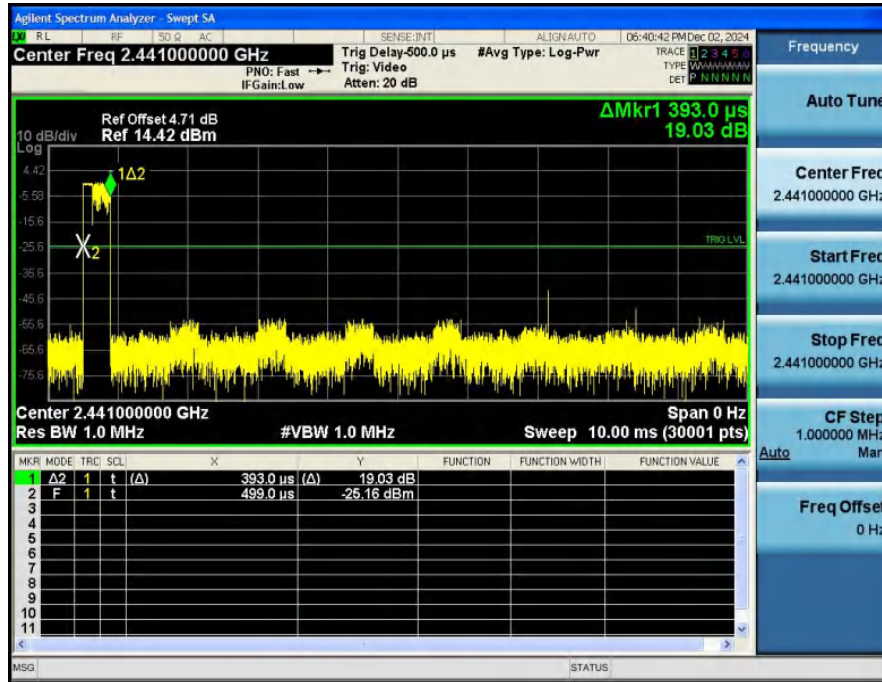


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH3_2441_00_Accumulated

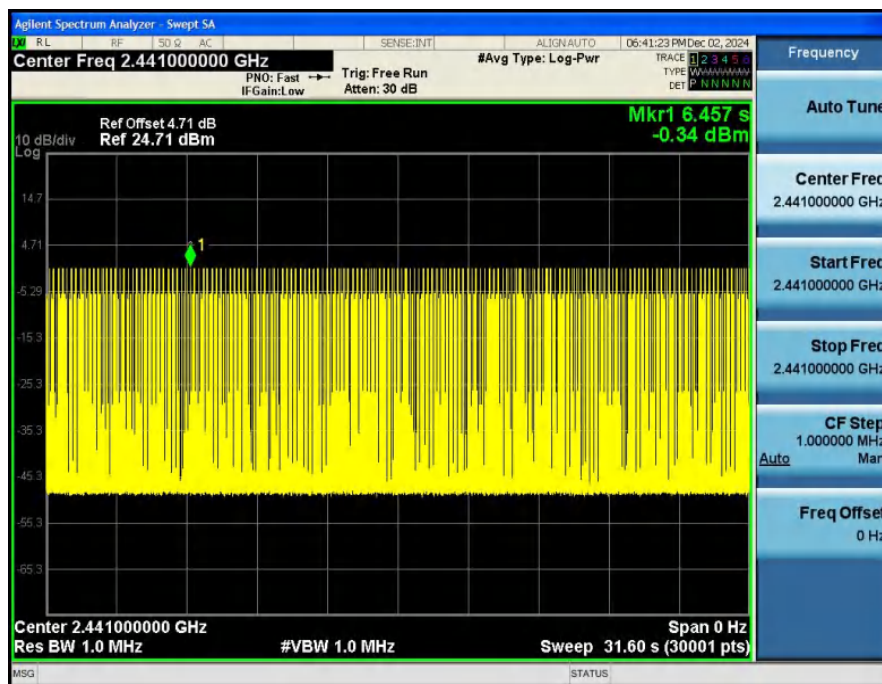


Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_One_Burst_Time



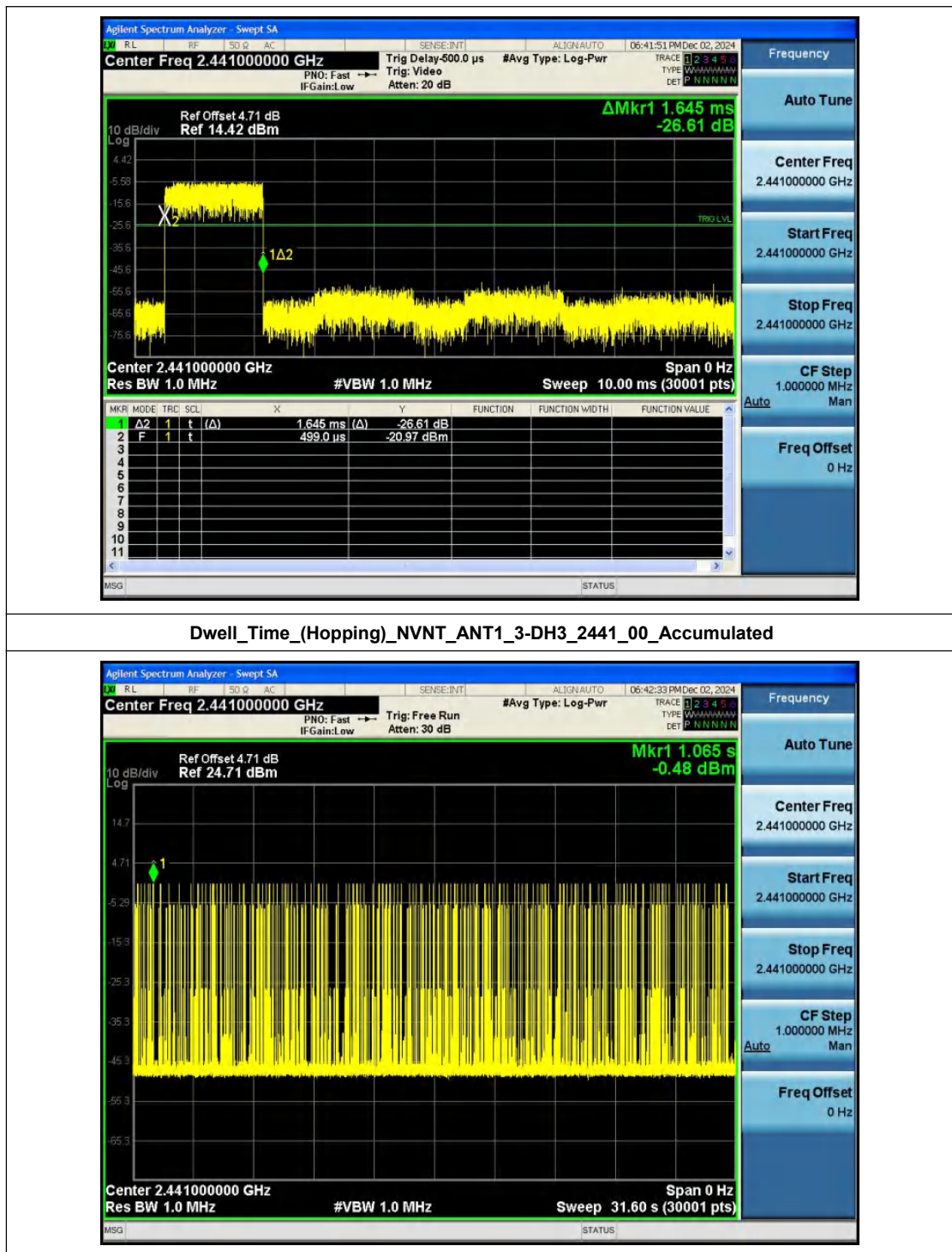


Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_Accumulated



Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_One_Burst_Time





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Shenzhen Anbotek Compliance Laboratory Limited

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
Tel: (86) 0755-26066440 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com

