

Appendix Test Data

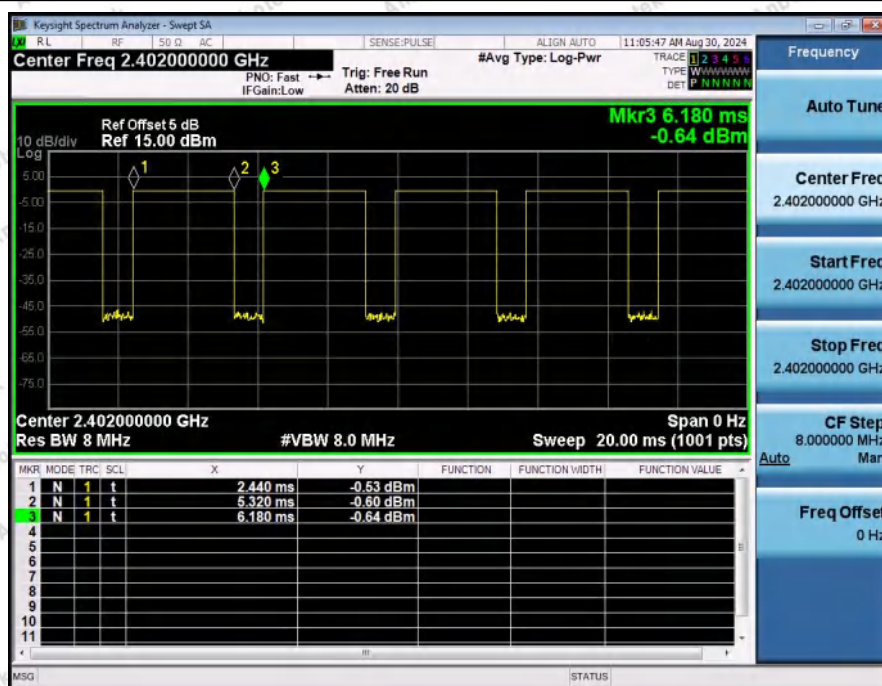
Report No.:	1821C40005112501	Test Sample No.:	1-2-2
Start Test Date:	2024.8.30	Finish Test Date:	2024.8.30
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	23.9℃	Relative Humidity:	56%
Pressure:	101kPa		

Appendix A: Duty Cycle

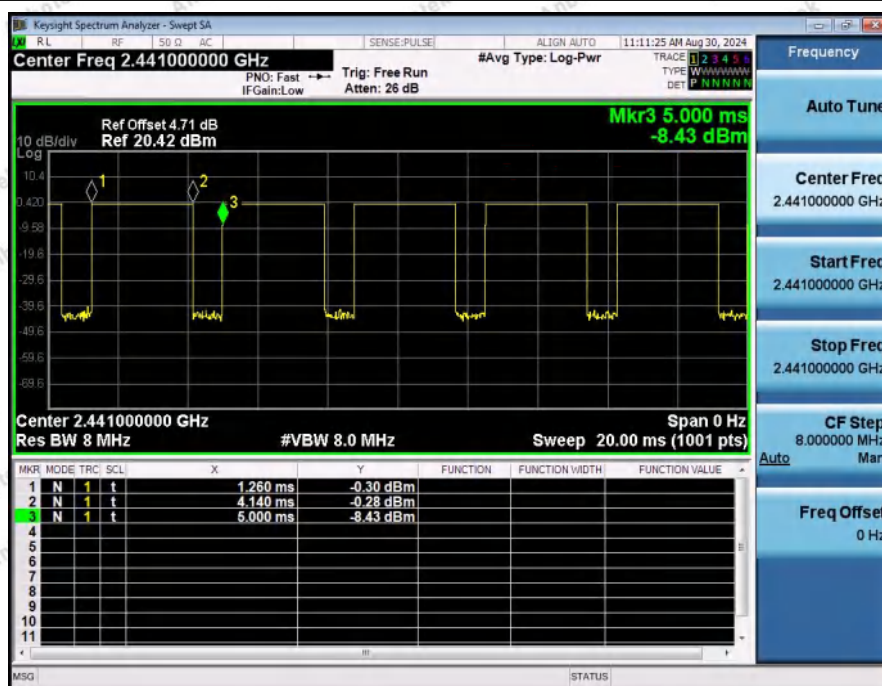
Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1-DH5	2402.00	77.54	1.10
NVNT	ANT1	1-DH5	2441.00	77.54	1.10
NVNT	ANT1	1-DH5	2480.00	77.01	1.13
NVNT	ANT1	2-DH5	2402.00	77.54	1.10
NVNT	ANT1	2-DH5	2441.00	77.66	1.10
NVNT	ANT1	2-DH5	2480.00	77.66	1.10
NVNT	ANT1	3-DH5	2402.00	77.66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



Duty_Cycle_NVNT_ANT1_1-DH5_2402



Duty_Cycle_NVNT_ANT1_1-DH5_2441



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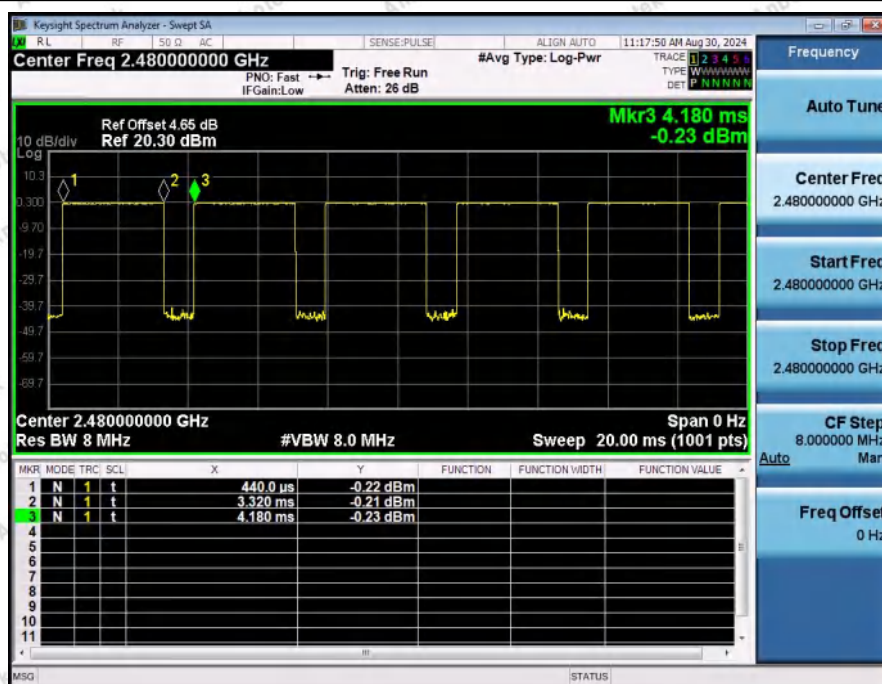
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Email: service@anbotek.com



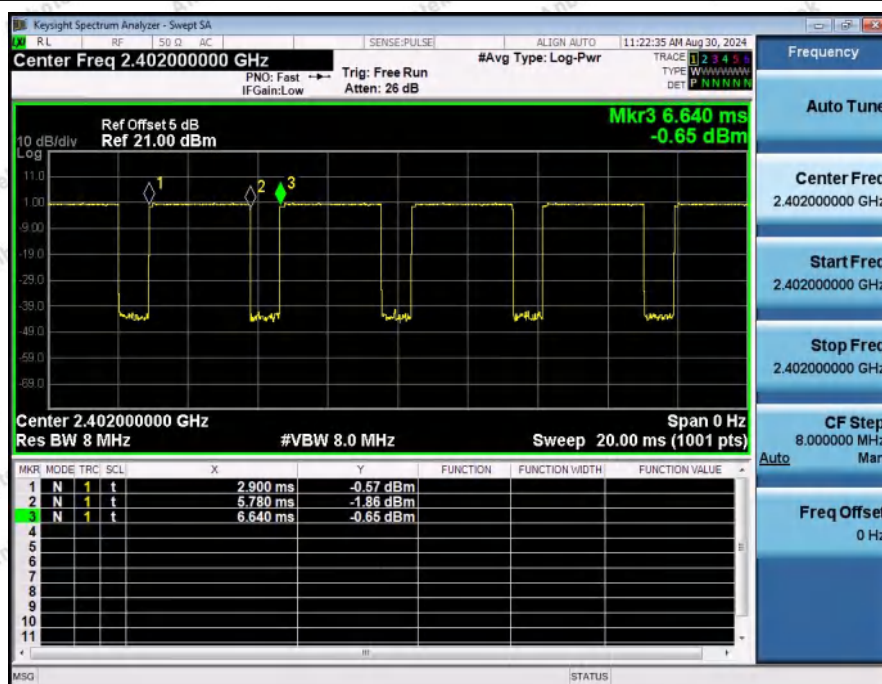
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Duty_Cycle_NVNT_ANT1_1-DH5_2480



Duty_Cycle_NVNT_ANT1_2-DH5_2402



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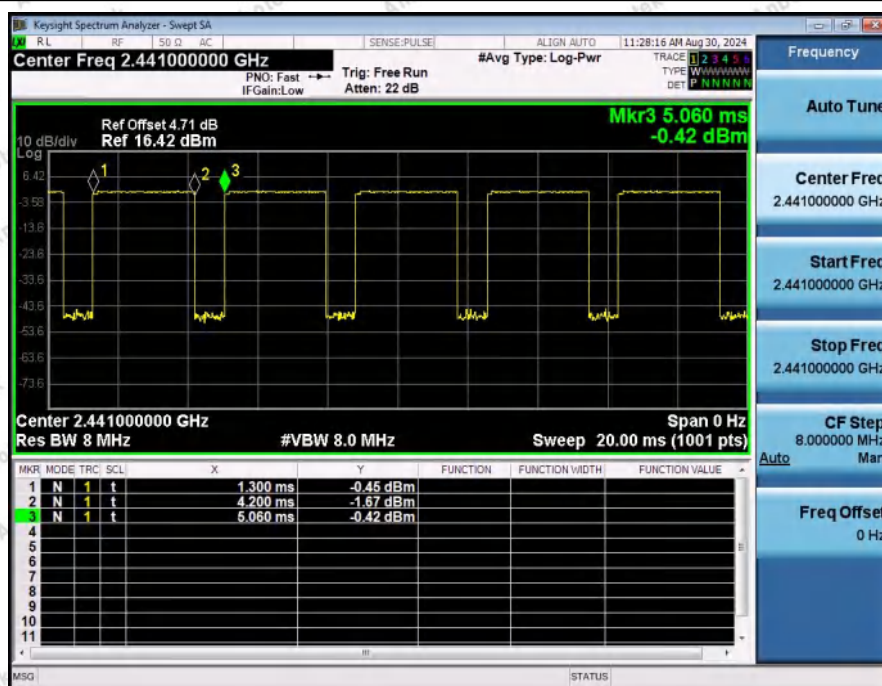
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Email: service@anbotek.com



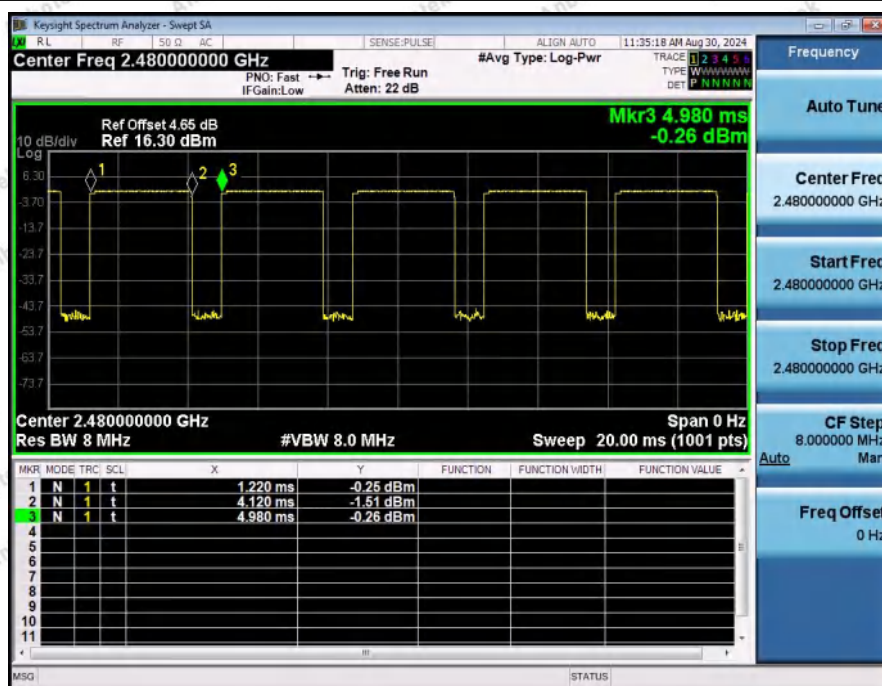
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Duty_Cycle_NVNT_ANT1_2-DH5_2441



Duty_Cycle_NVNT_ANT1_2-DH5_2480



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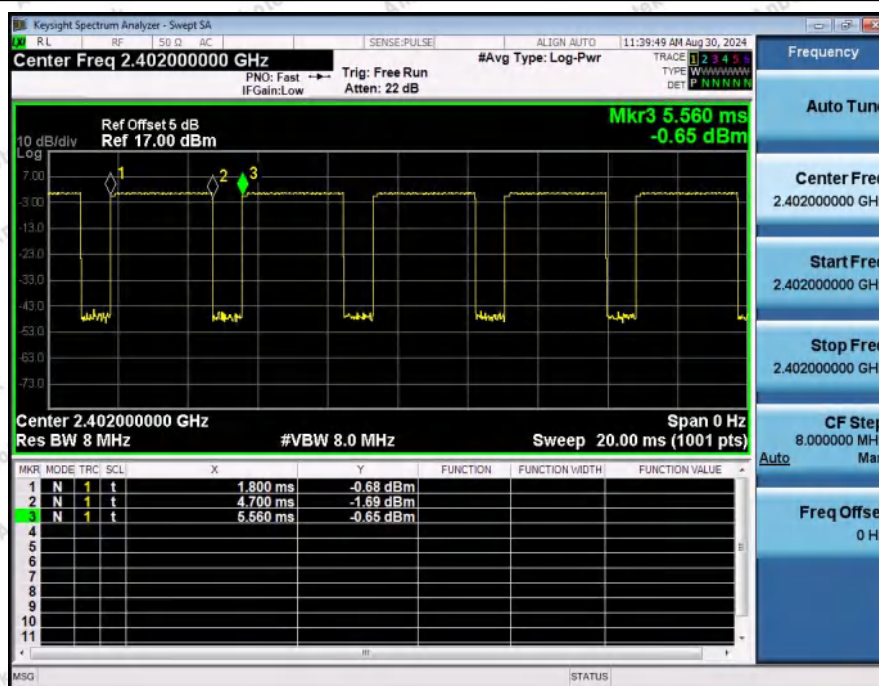
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Email: service@anbotek.com



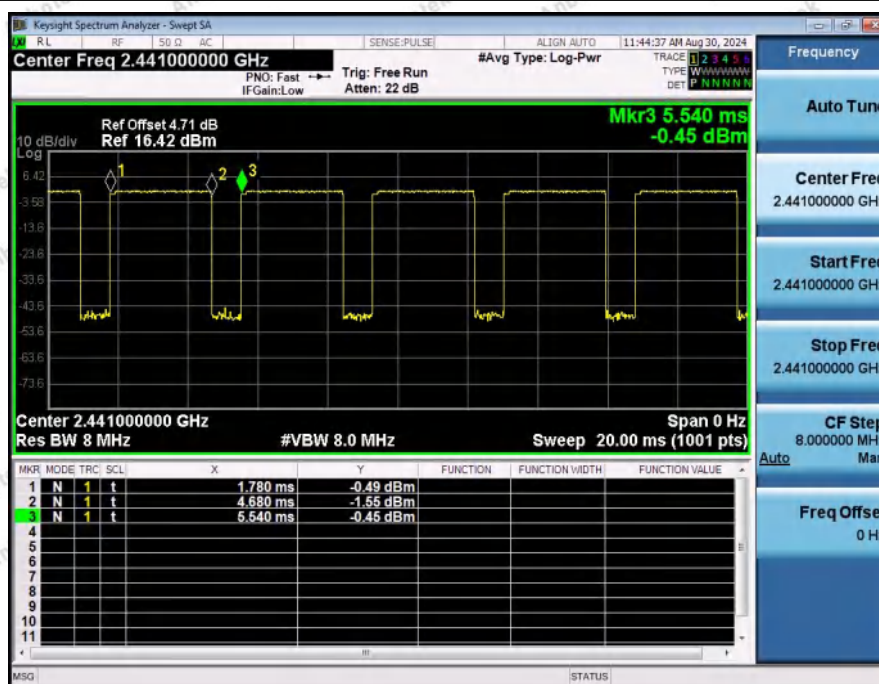
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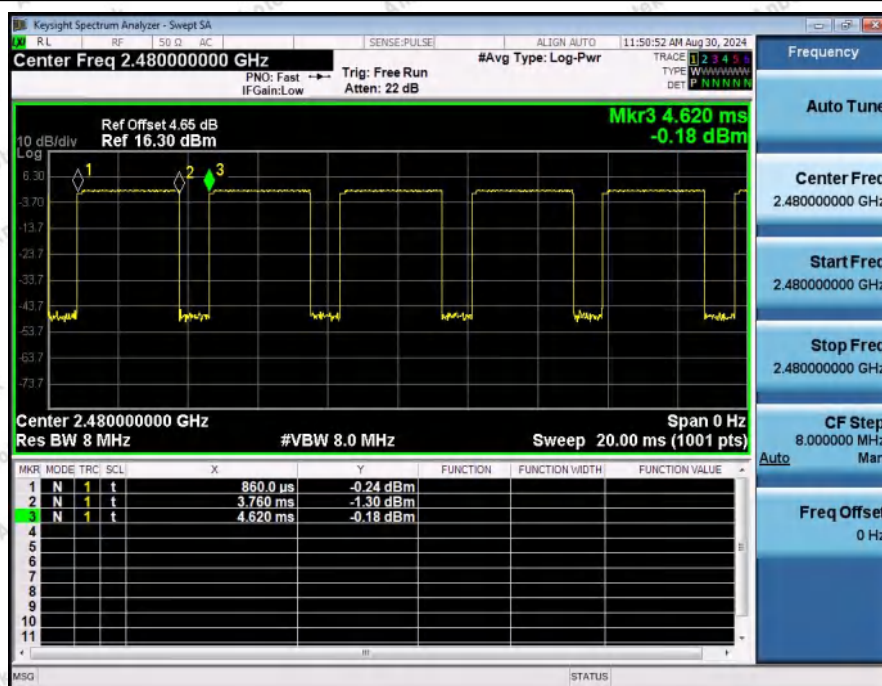
Duty_Cycle_NVNT_ANT1_3-DH5_2402



Duty_Cycle_NVNT_ANT1_3-DH5_2441



Duty_Cycle_NVNT_ANT1_3-DH5_2480



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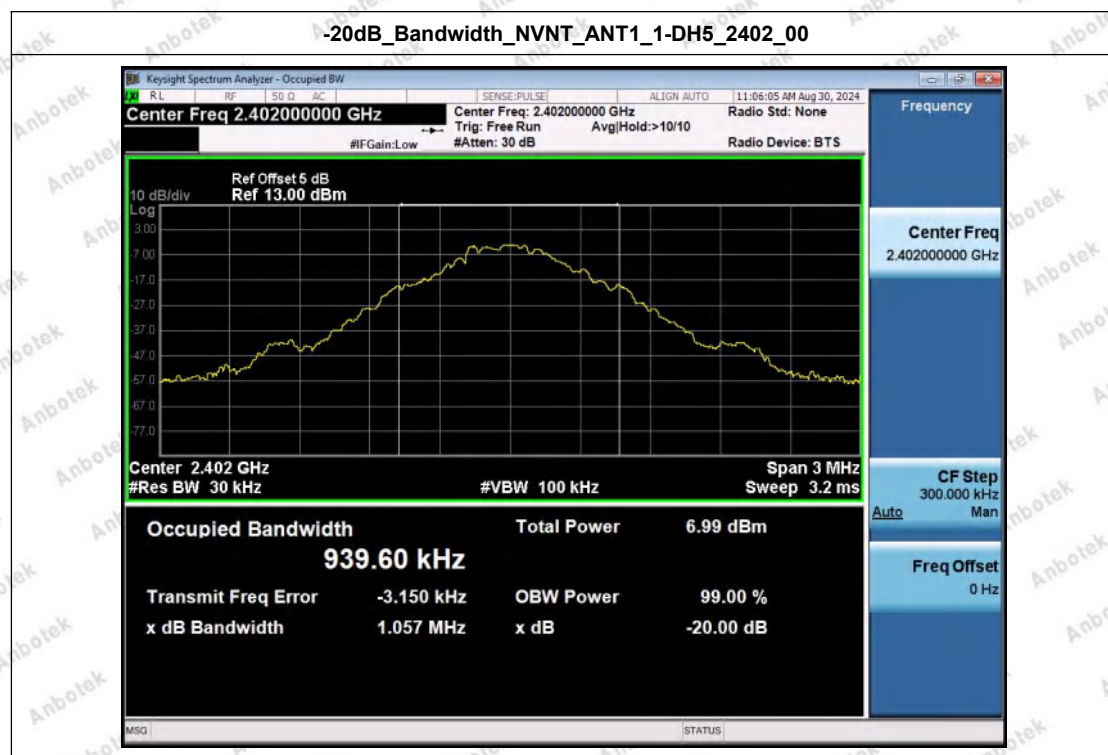
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Appendix B: -20dB Bandwidth

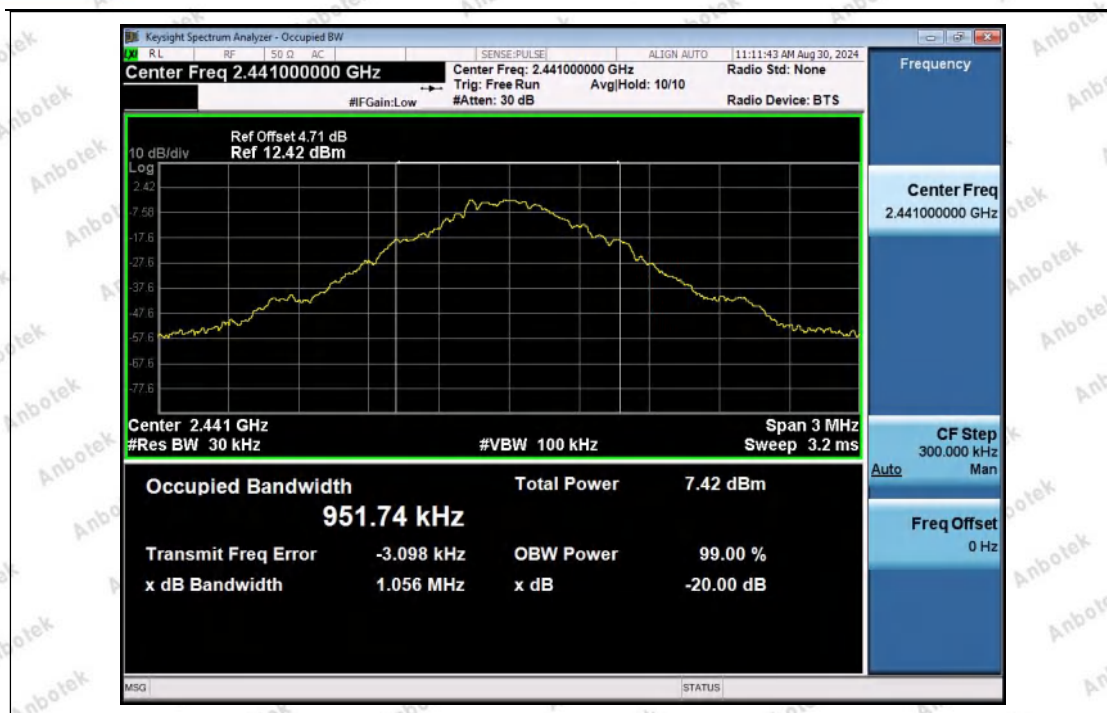
Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH5	2402.00	1.057	Yes
NVNT	ANT1	1-DH5	2441.00	1.056	Yes
NVNT	ANT1	1-DH5	2480.00	1.060	Yes
NVNT	ANT1	2-DH5	2402.00	1.333	Yes
NVNT	ANT1	2-DH5	2441.00	1.339	Yes
NVNT	ANT1	2-DH5	2480.00	1.345	Yes
NVNT	ANT1	3-DH5	2402.00	1.308	Yes
NVNT	ANT1	3-DH5	2441.00	1.302	Yes
NVNT	ANT1	3-DH5	2480.00	1.293	Yes

-20dB_Bandwidth_NVNT_ANT1_1-DH5_2402_00

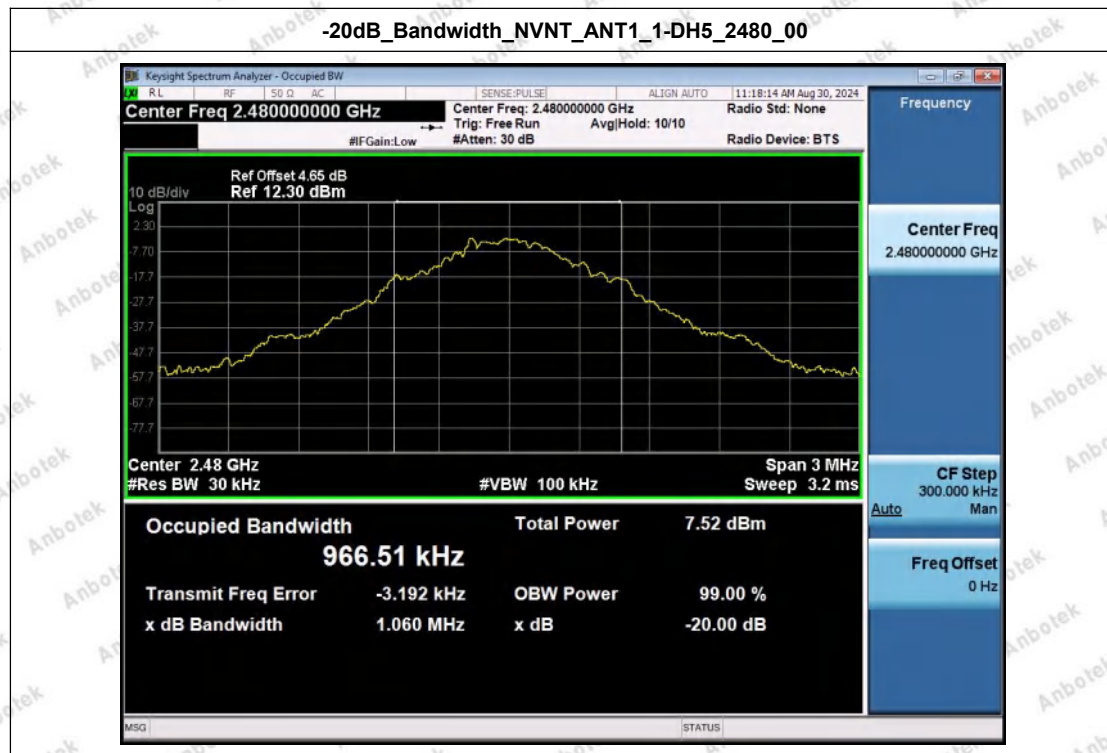


-20dB_Bandwidth_NVNT_ANT1_1-DH5_2441_00





-20dB_Bandwidth_NVNT_ANT1_1-DH5_2480_00



-20dB_Bandwidth_NVNT_ANT1_2-DH5_2402_00

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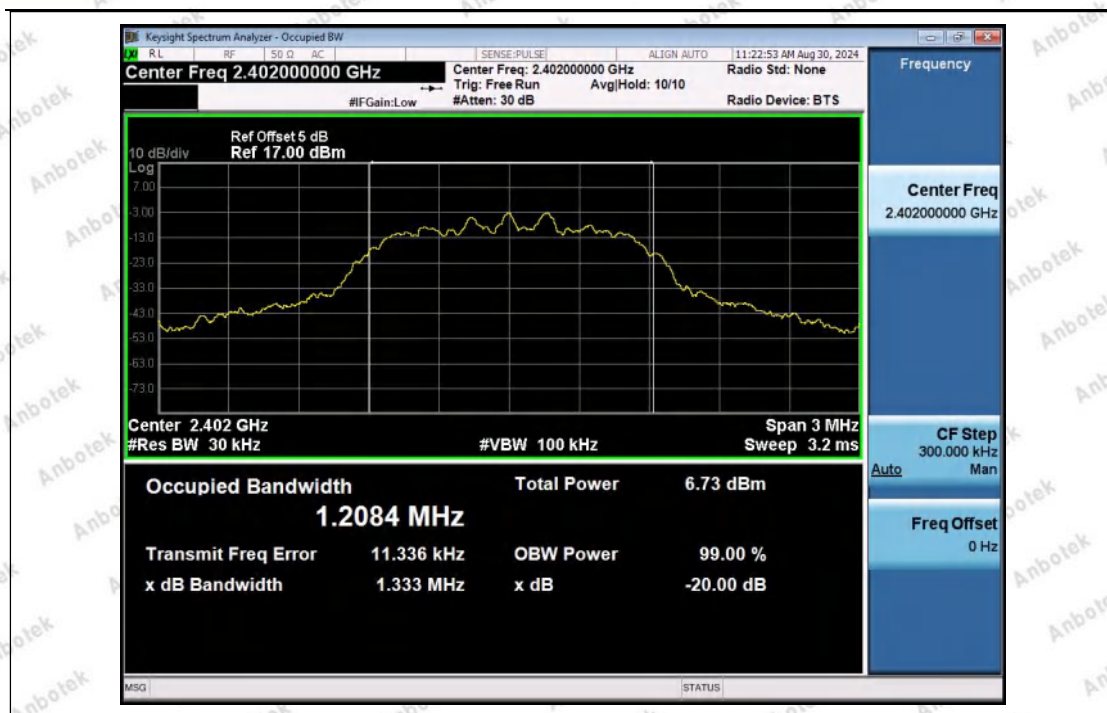
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Email: service@anbotek.com



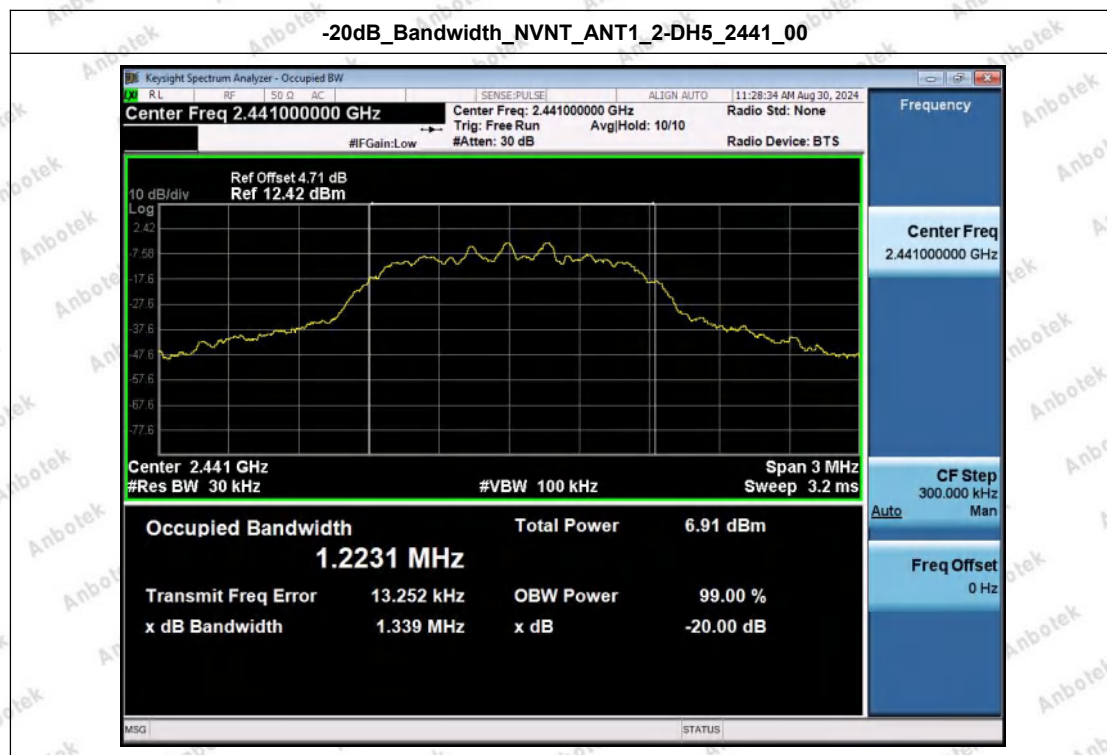
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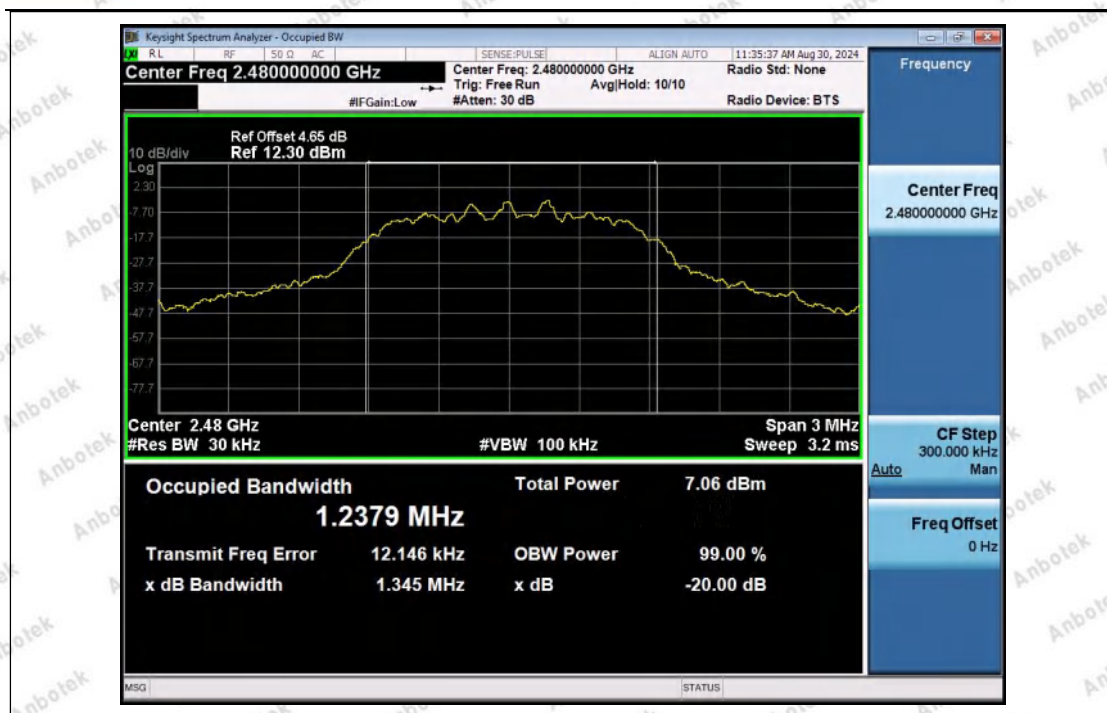


-20dB_Bandwidth_NVNT_ANT1_2-DH5_2441_00

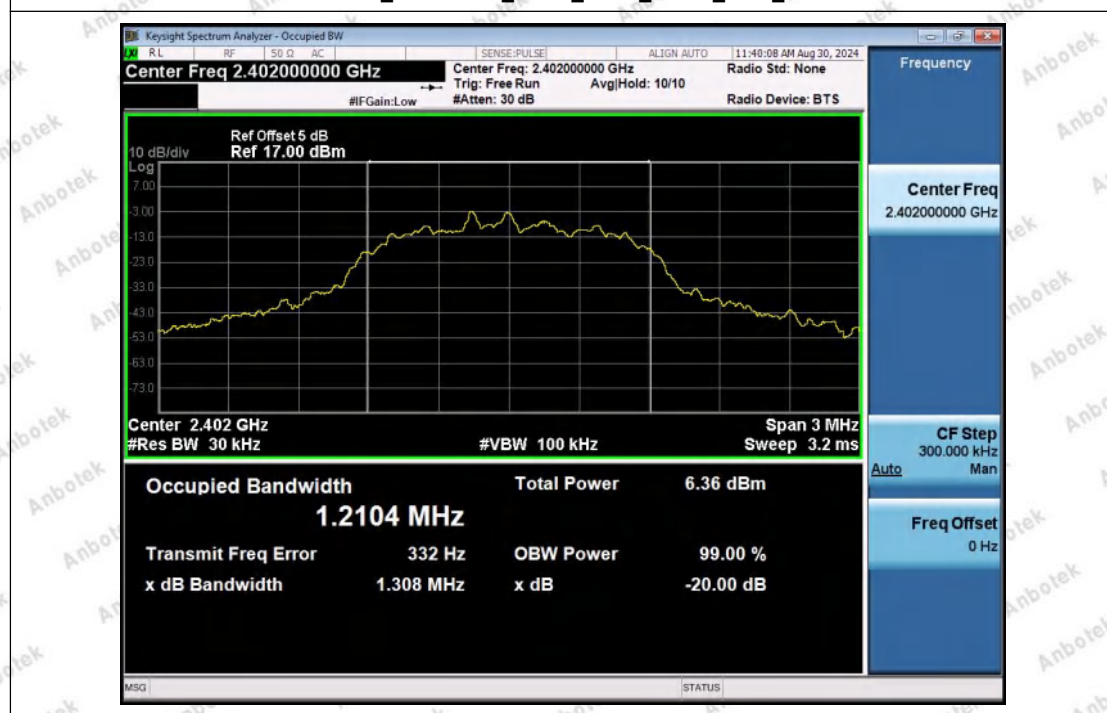


-20dB_Bandwidth_NVNT_ANT1_2-DH5_2480_00



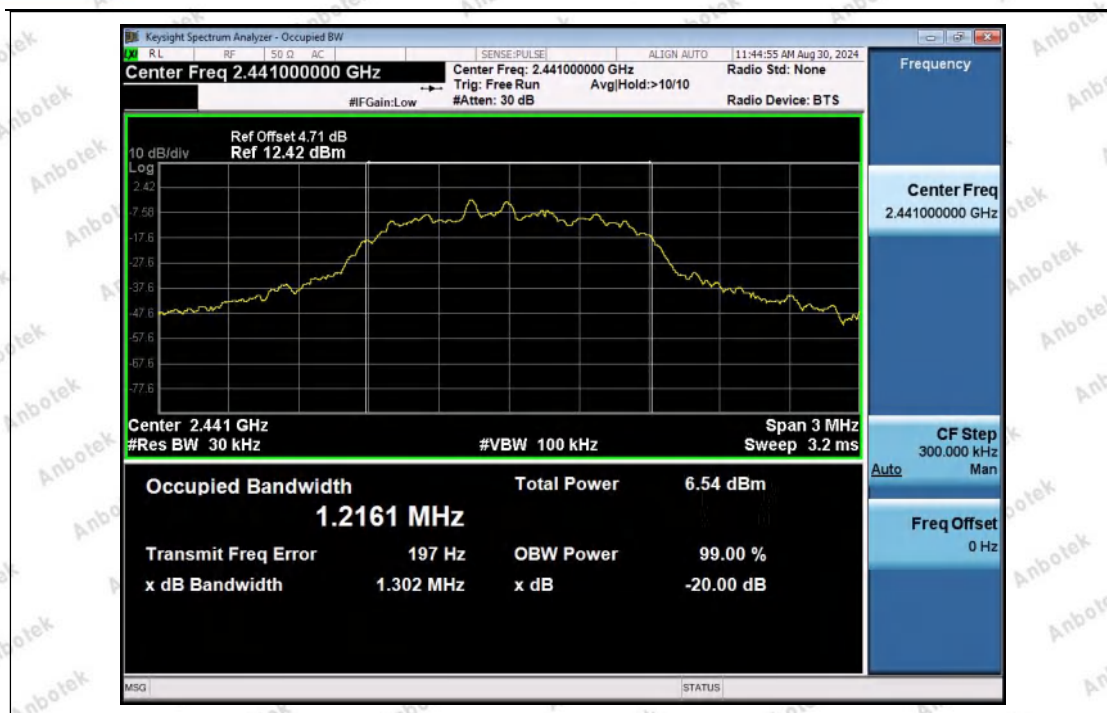


-20dB_Bandwidth_NVNT_ANT1_3-DH5_2402_00

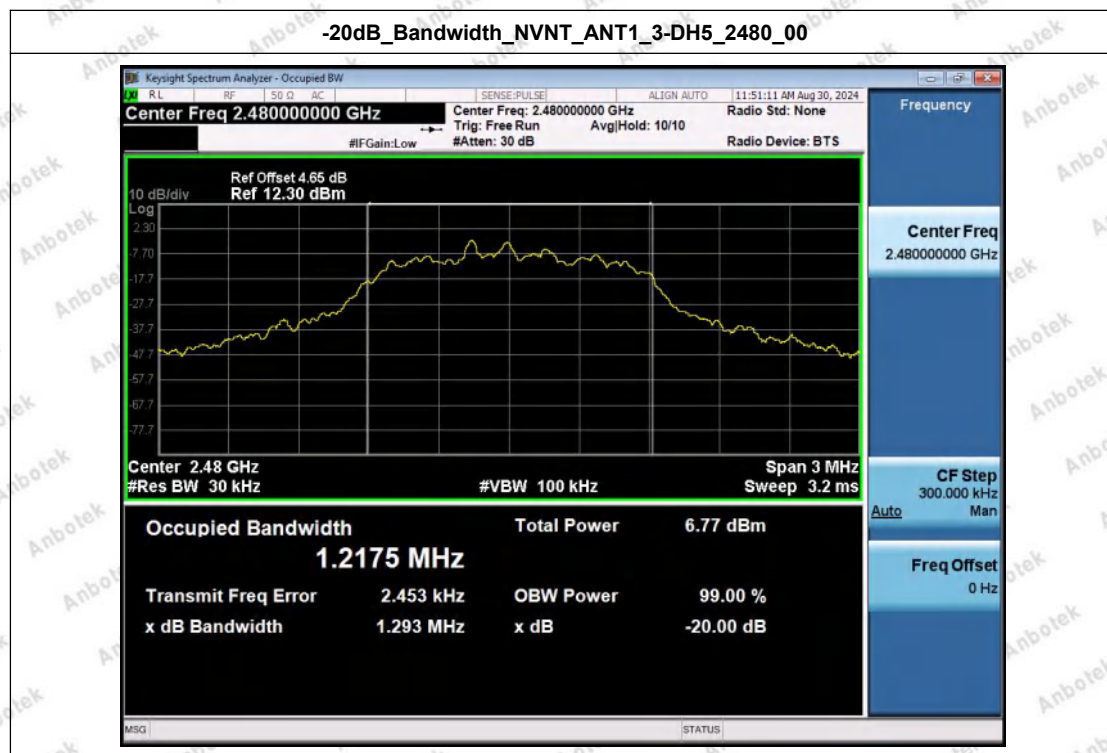


-20dB_Bandwidth_NVNT_ANT1_3-DH5_2441_00





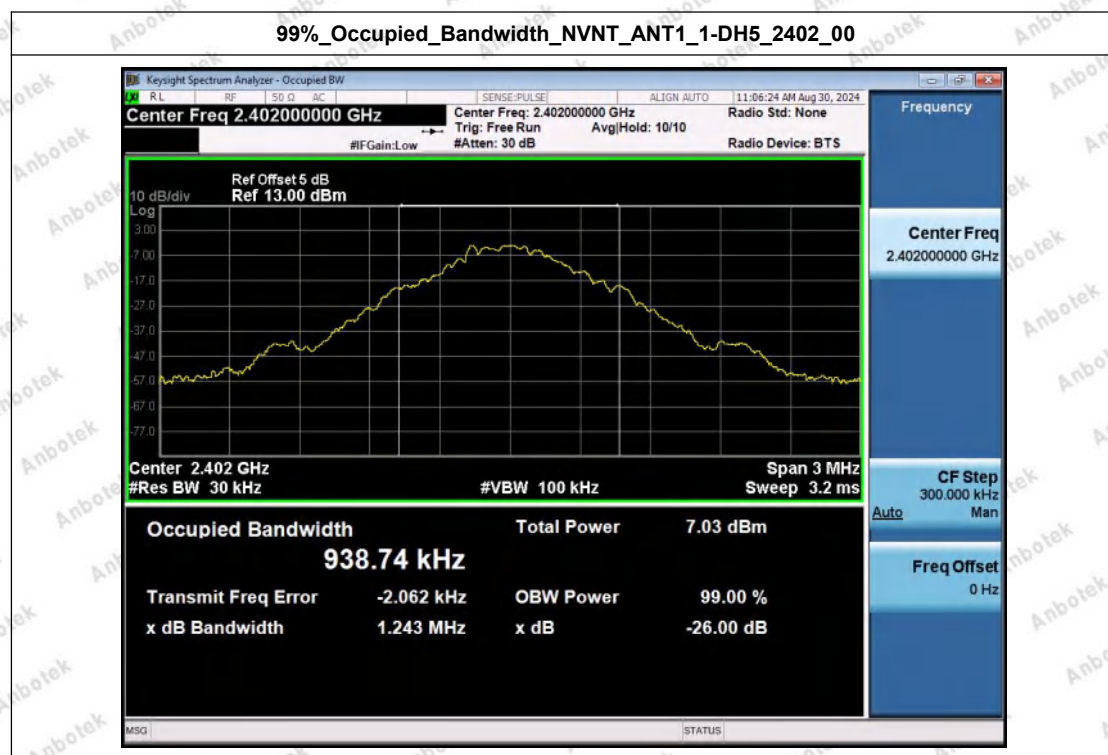
-20dB_Bandwidth_NVNT_ANT1_3-DH5_2480_00



Appendix C: 99% Occupied Bandwidth

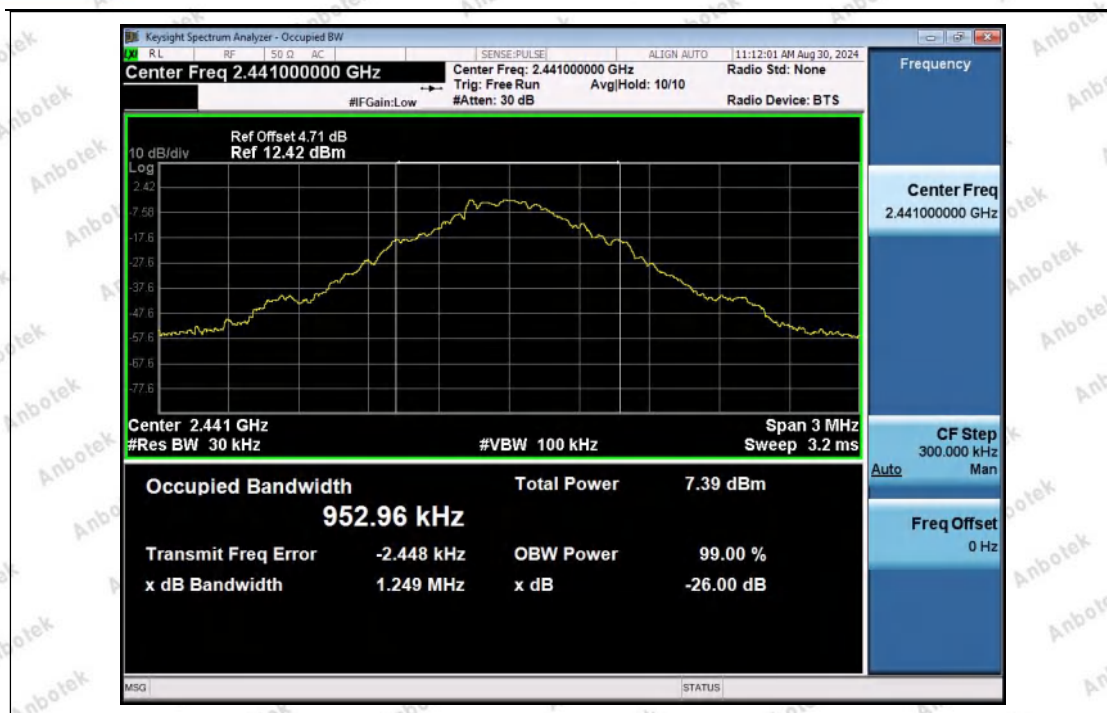
Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1-DH5	2402.00	0.939
NVNT	ANT1	1-DH5	2441.00	0.953
NVNT	ANT1	1-DH5	2480.00	0.967
NVNT	ANT1	2-DH5	2402.00	1.210
NVNT	ANT1	2-DH5	2441.00	1.218
NVNT	ANT1	2-DH5	2480.00	1.236
NVNT	ANT1	3-DH5	2402.00	1.210
NVNT	ANT1	3-DH5	2441.00	1.214
NVNT	ANT1	3-DH5	2480.00	1.218

99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2402_00

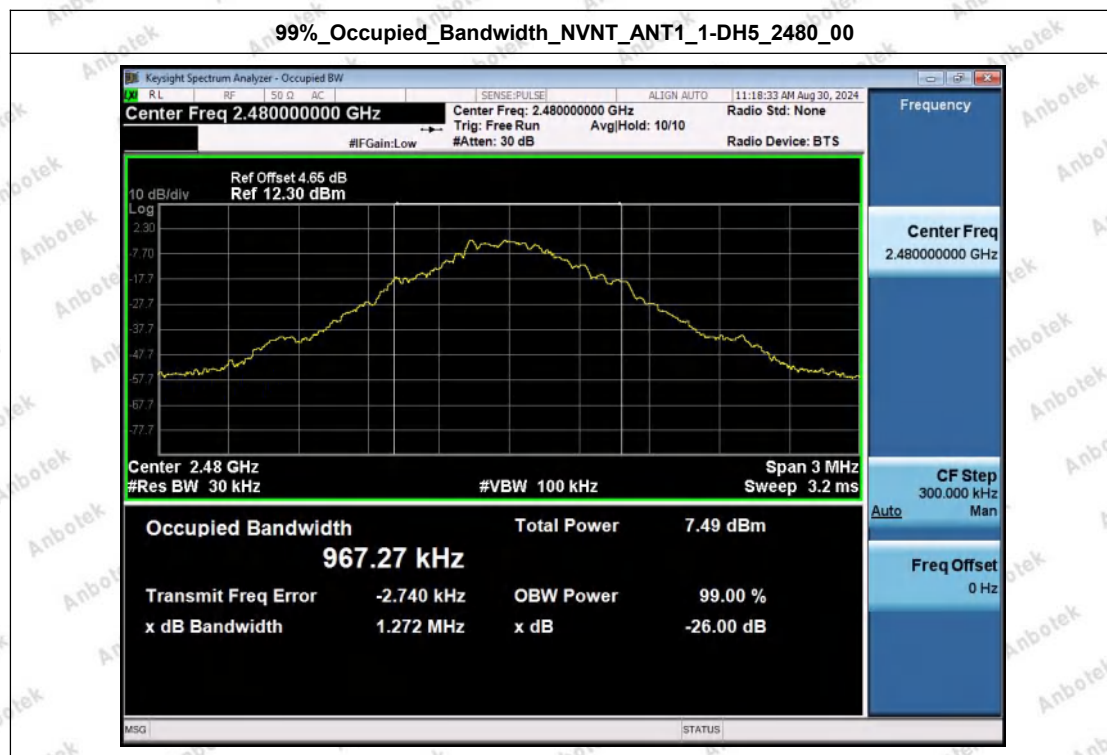


99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2441_00



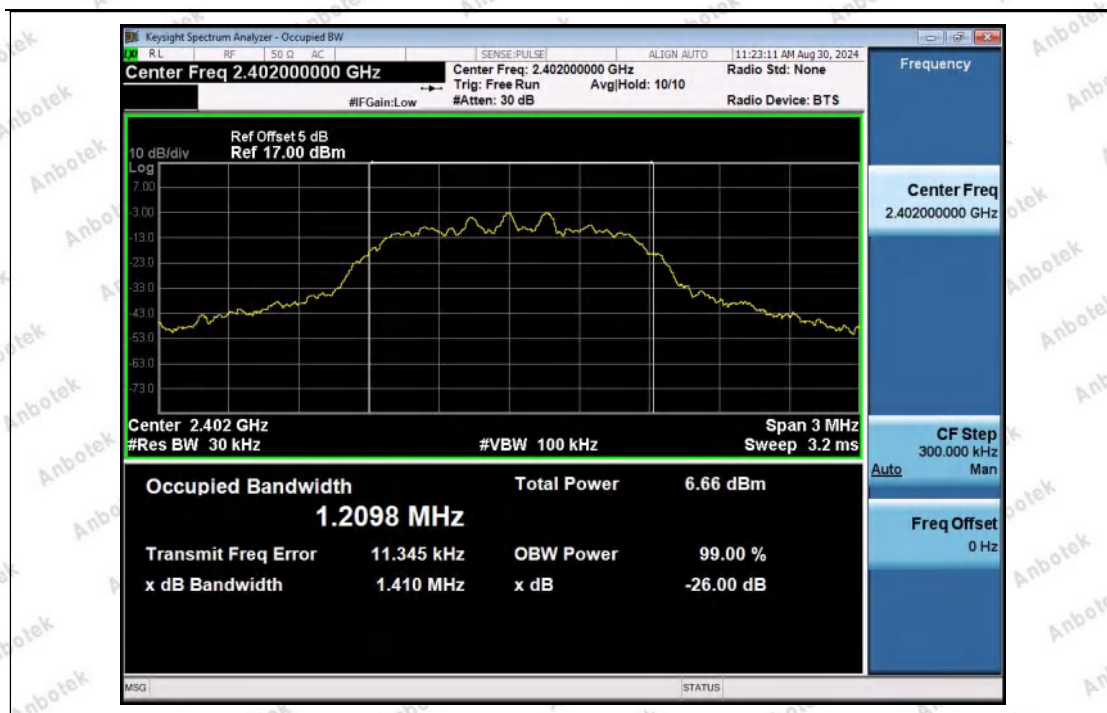


99%_Occupied_Bandwidth_NVNT_ANT1_1-DH5_2480_00

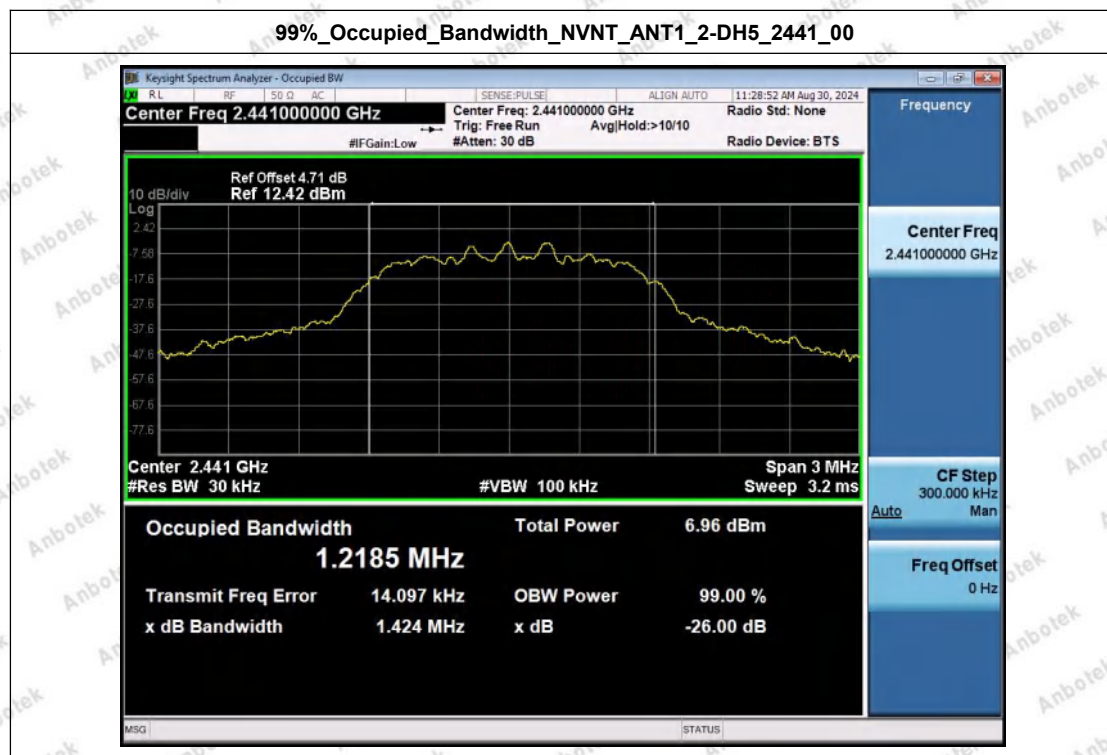


99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2402_00



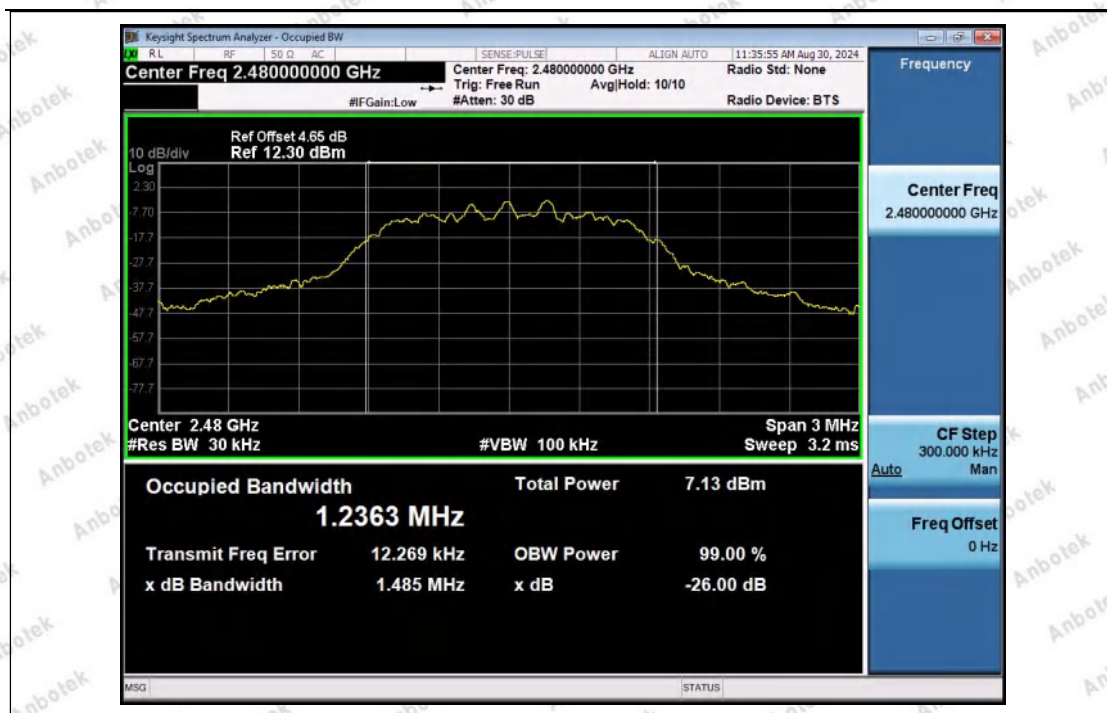


99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2441_00

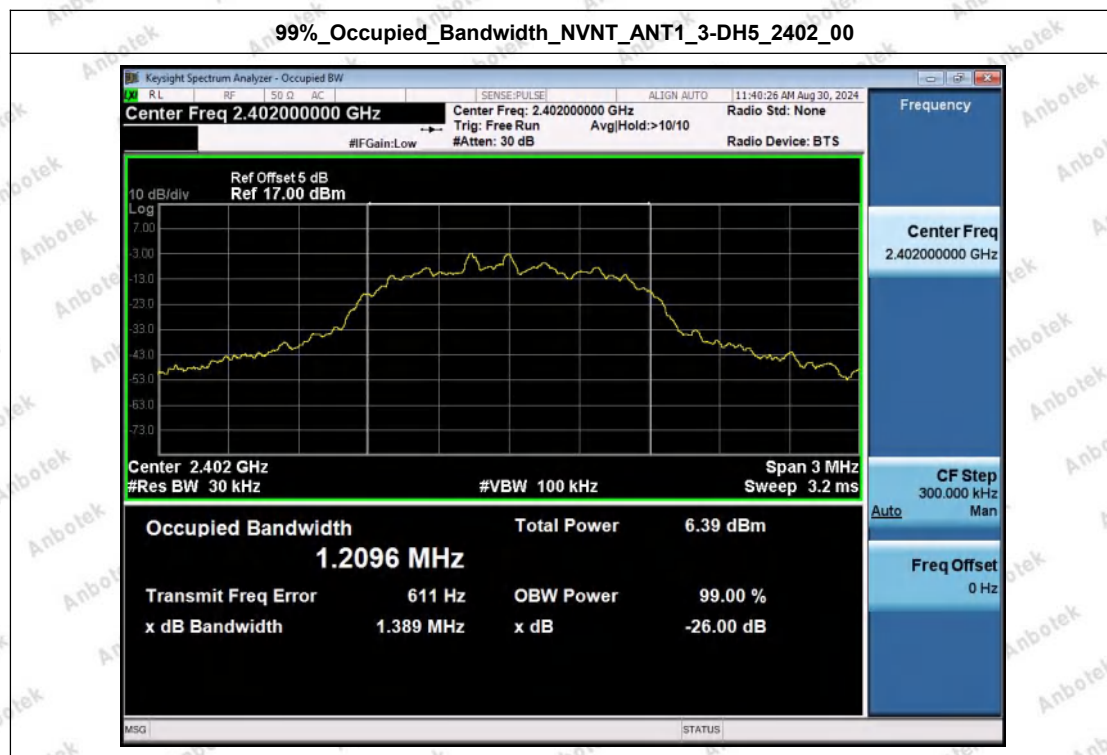


99%_Occupied_Bandwidth_NVNT_ANT1_2-DH5_2480_00



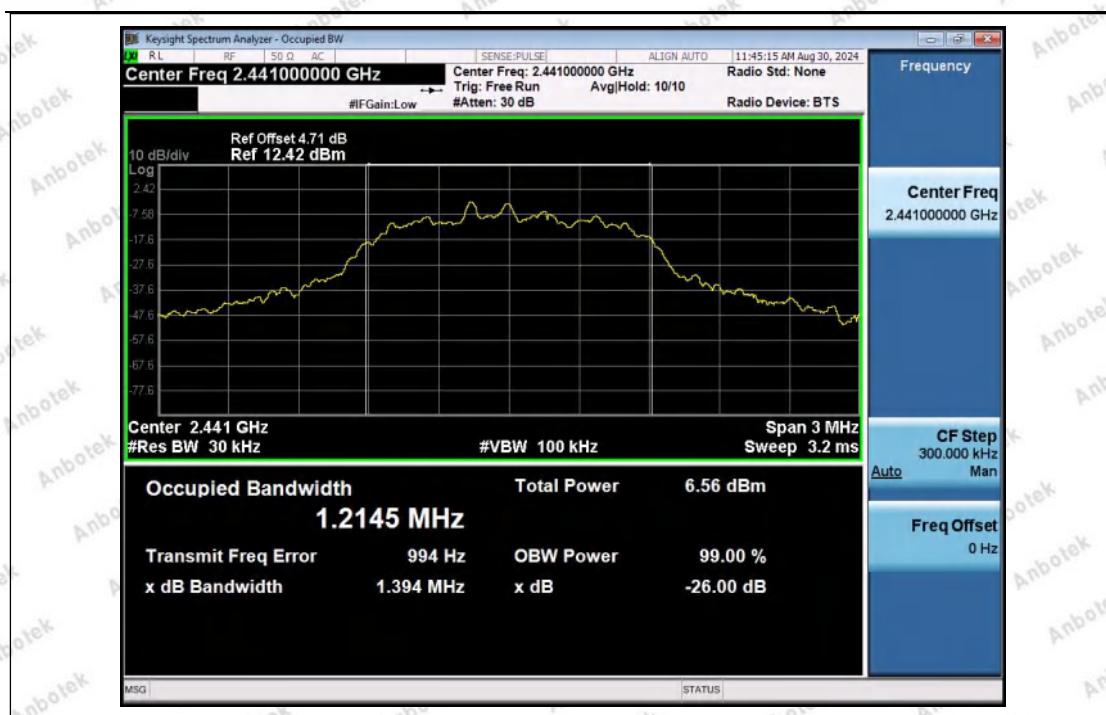


99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2402_00

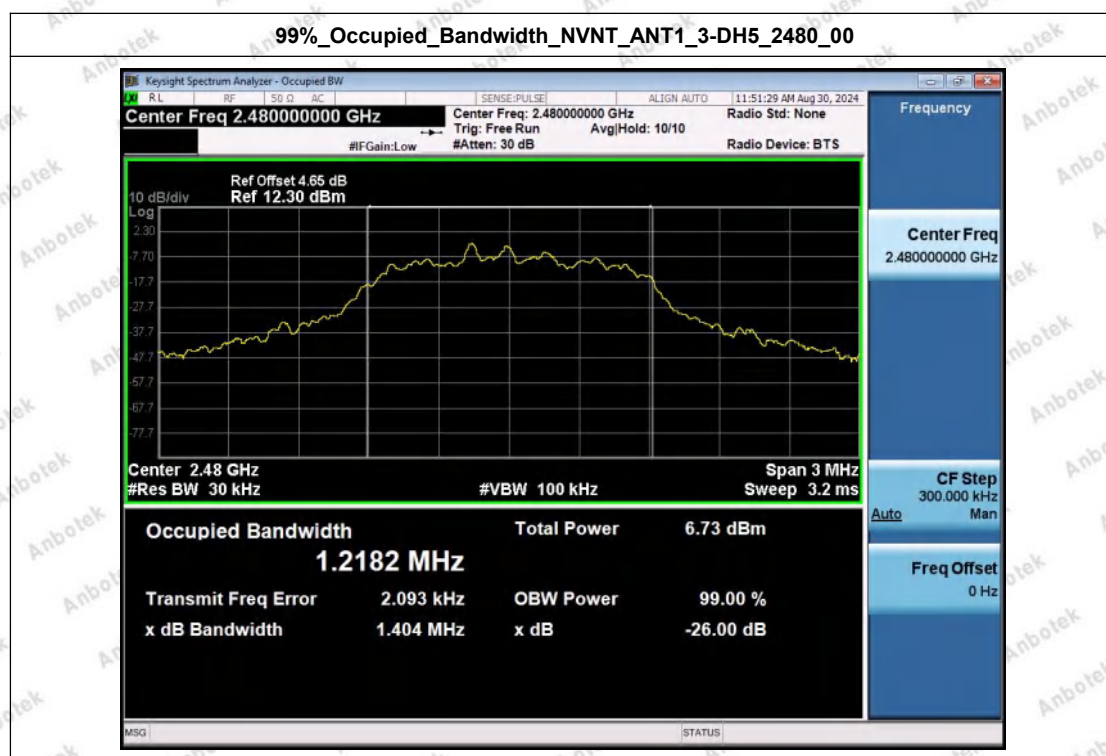


99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2441_00





99%_Occupied_Bandwidth_NVNT_ANT1_3-DH5_2480_00



Appendix D: Peak Output Power

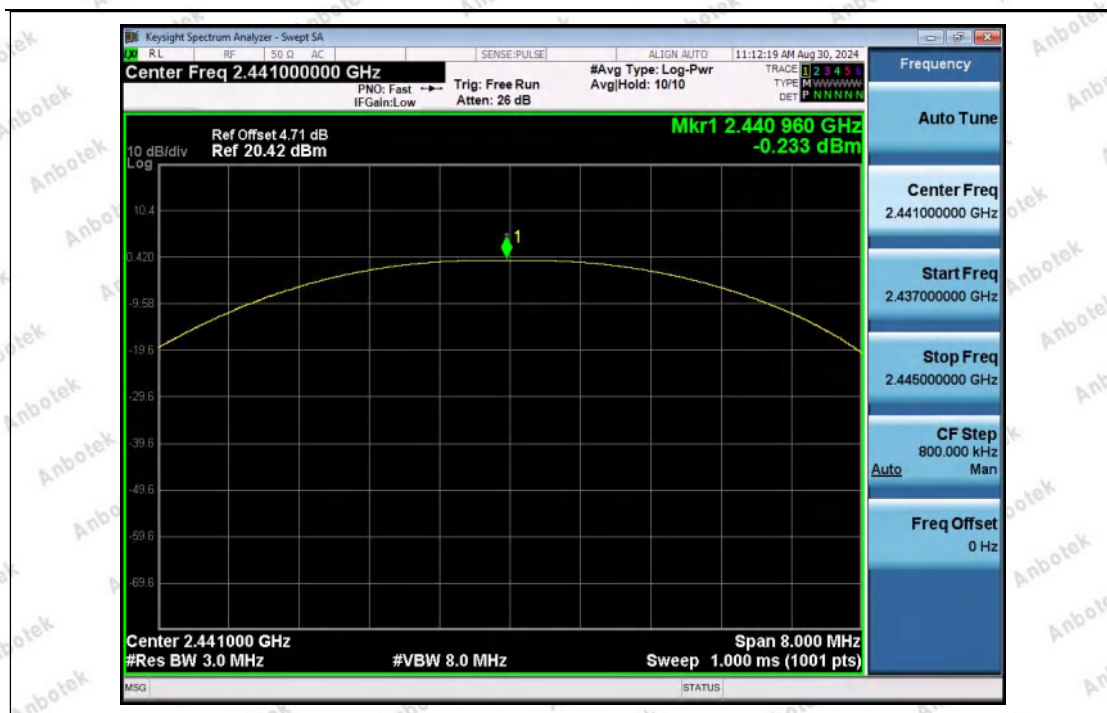
Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH5	2402.00	-0.53	0.89	125	Pass
NVNT	ANT1	1-DH5	2441.00	-0.23	0.95	125	Pass
NVNT	ANT1	1-DH5	2480.00	-0.14	0.97	125	Pass
NVNT	ANT1	2-DH5	2402.00	0.40	1.10	125	Pass
NVNT	ANT1	2-DH5	2441.00	0.58	1.14	125	Pass
NVNT	ANT1	2-DH5	2480.00	0.69	1.17	125	Pass
NVNT	ANT1	3-DH5	2402.00	0.77	1.19	125	Pass
NVNT	ANT1	3-DH5	2441.00	0.95	1.24	125	Pass
NVNT	ANT1	3-DH5	2480.00	1.16	1.31	125	Pass

Peak_Output_Power_NVNT_ANT1_1-DH5_2402_00

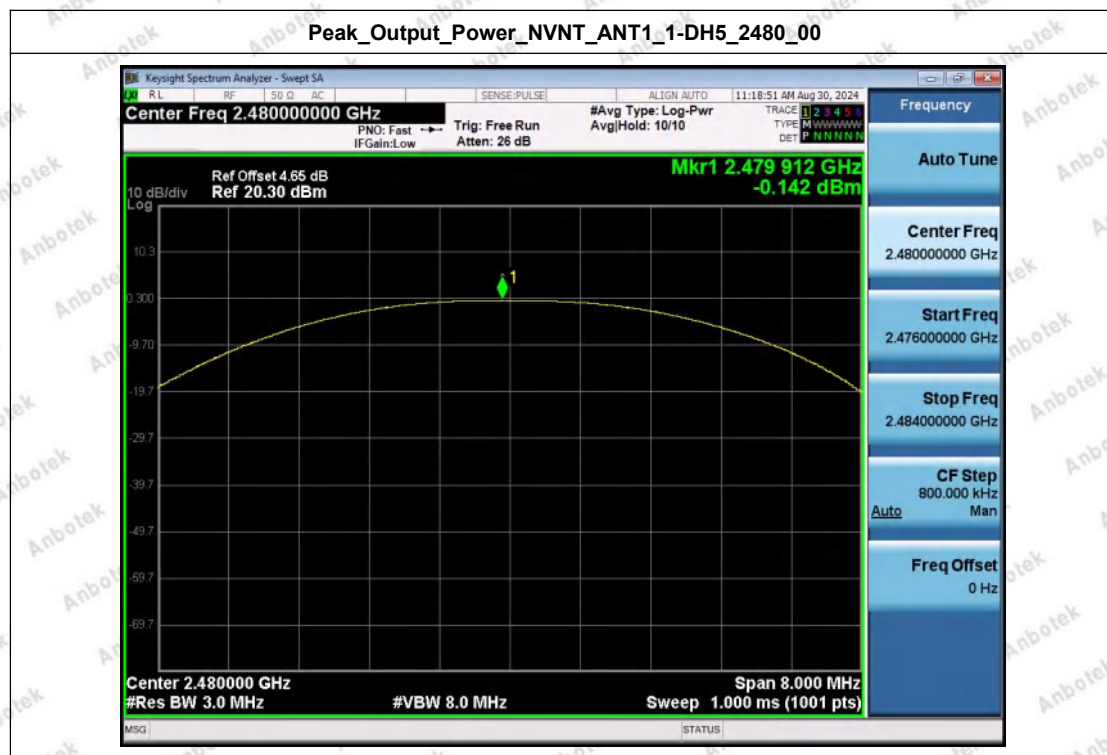


Peak_Output_Power_NVNT_ANT1_1-DH5_2441_00





Peak_Output_Power_NVNT_ANT1_1-DH5_2480_00

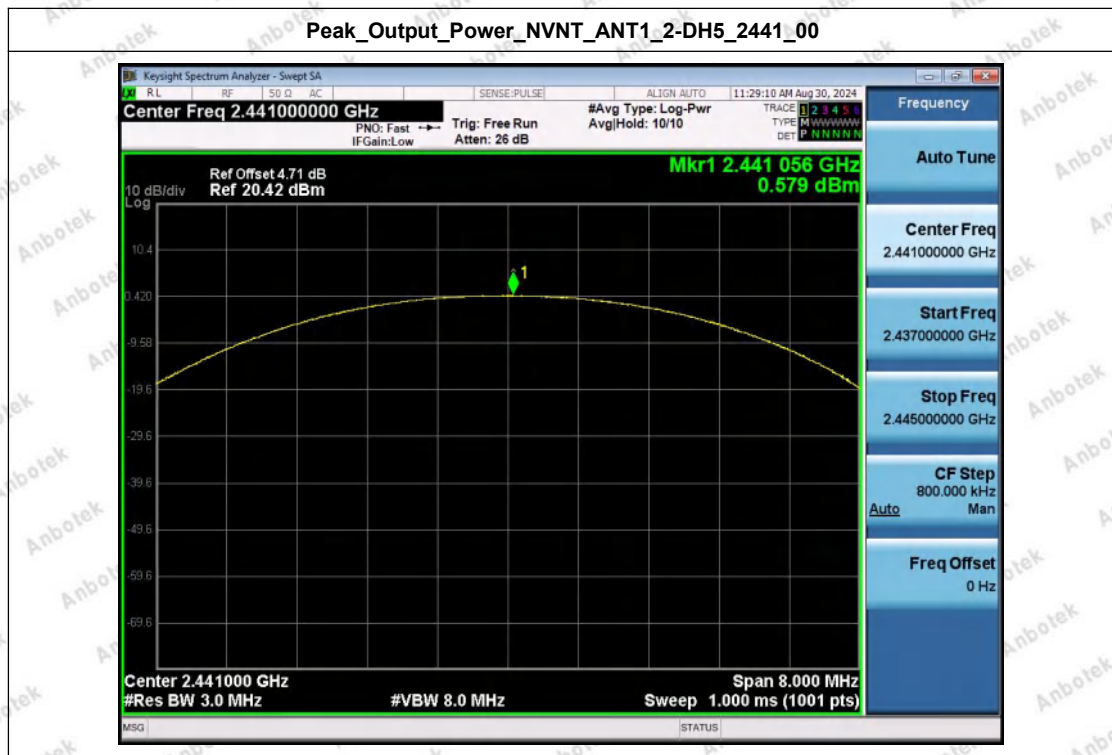


Peak_Output_Power_NVNT_ANT1_2-DH5_2402_00





Peak_Output_Power_NVNT_ANT1_2-DH5_2441_00

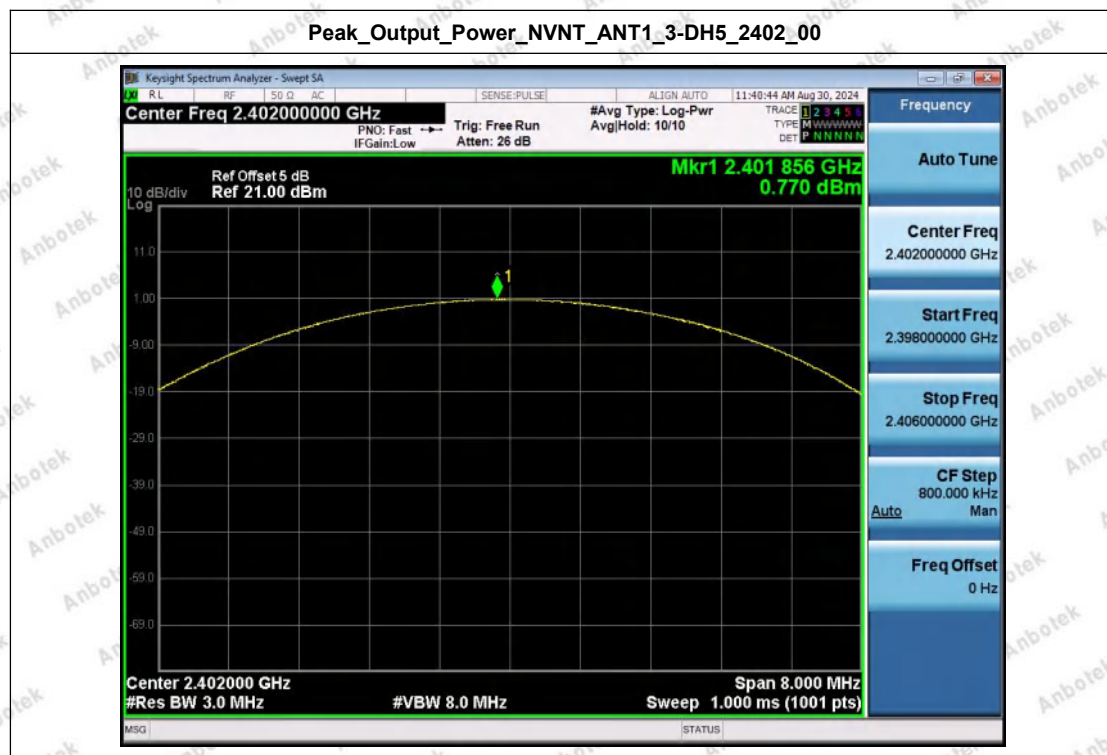


Peak_Output_Power_NVNT_ANT1_2-DH5_2480_00



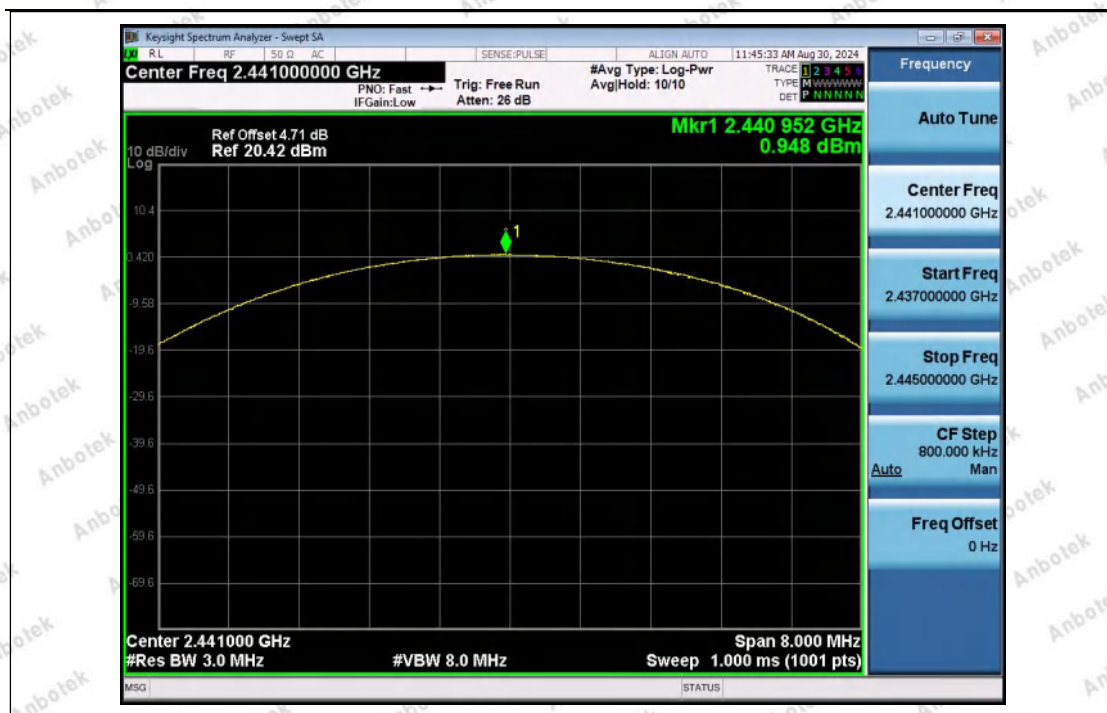


Peak_Output_Power_NVNT_ANT1_3-DH5_2402_00

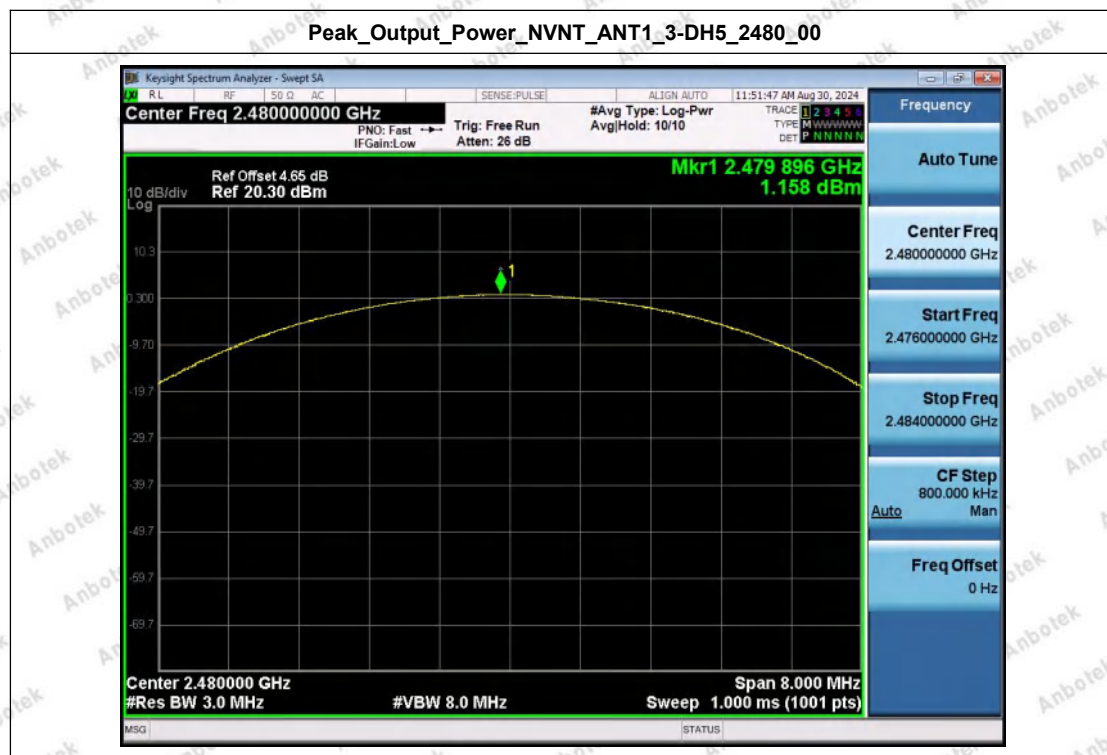


Peak_Output_Power_NVNT_ANT1_3-DH5_2441_00



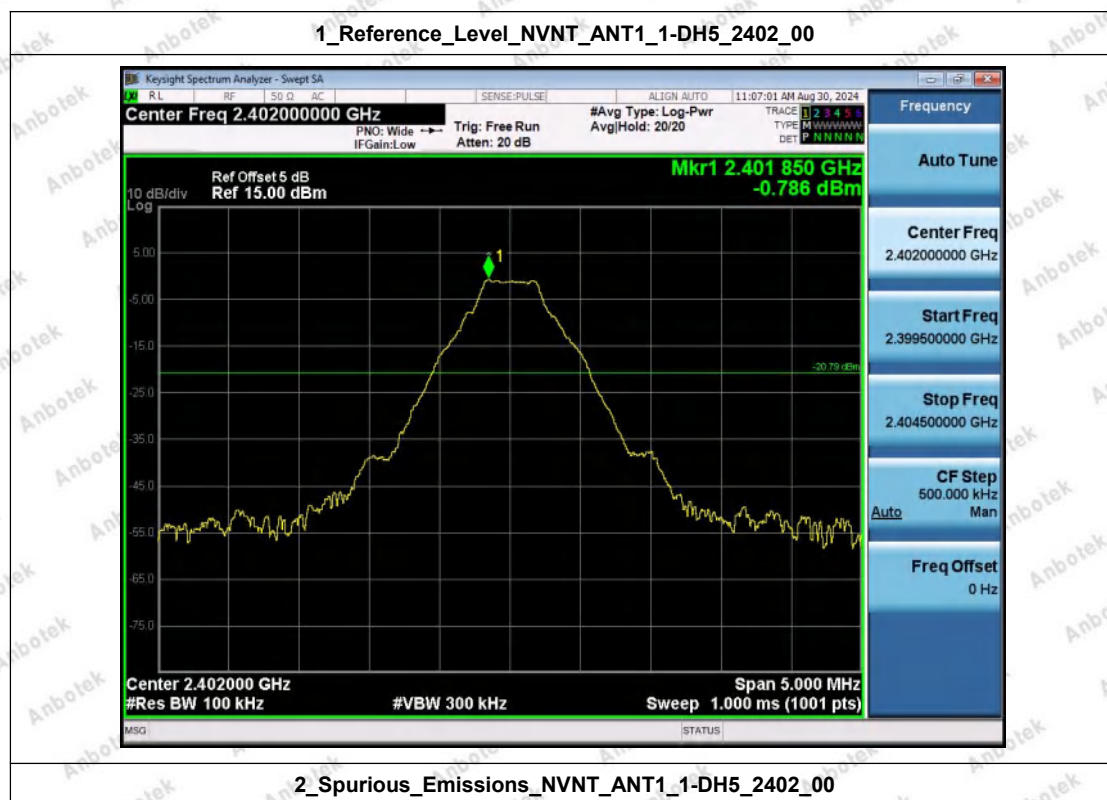


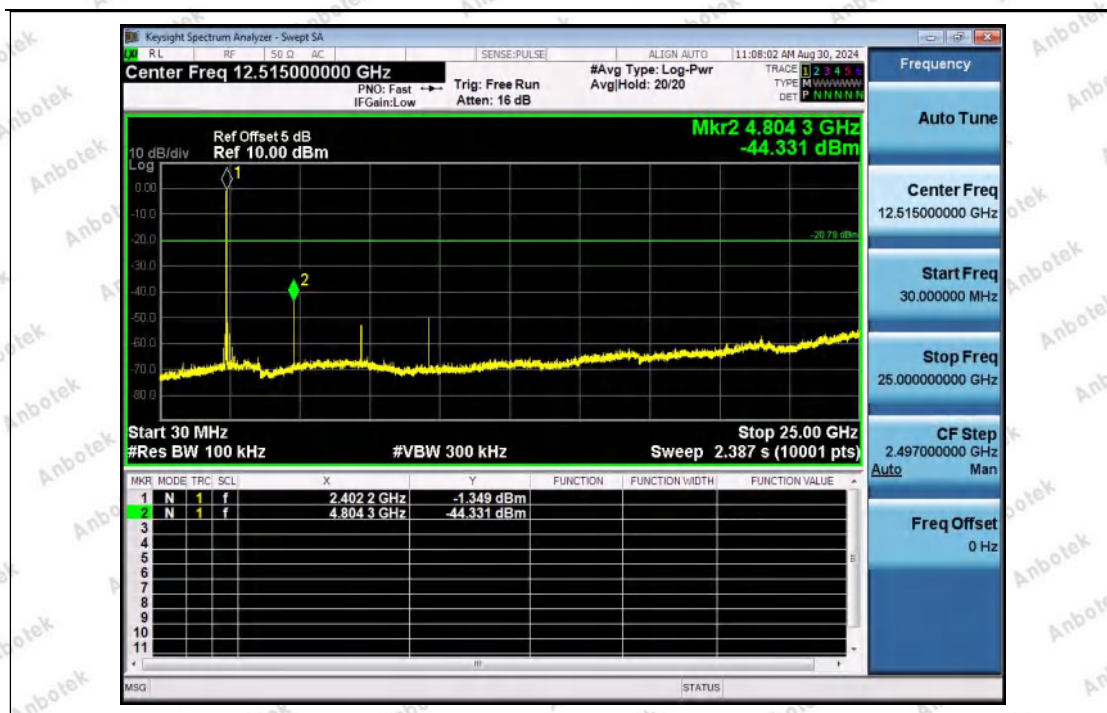
Peak_Output_Power_NVNT_ANT1_3-DH5_2480_00



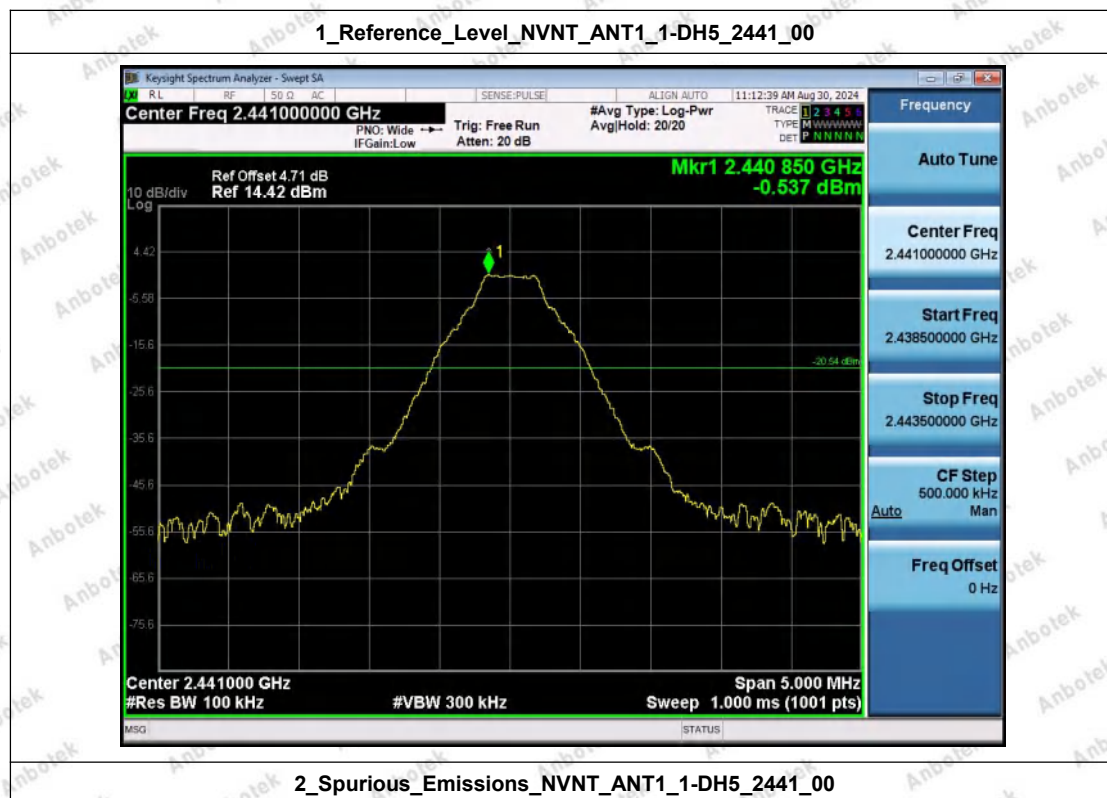
Appendix E: Spurious Emissions

Condition	Antenna	Modulation	TX Mode	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-44.331	-20.786	Pass
NVNT	ANT1	1-DH5	2441.00	-42.934	-20.537	Pass
NVNT	ANT1	1-DH5	2480.00	-42.544	-20.527	Pass
NVNT	ANT1	2-DH5	2402.00	-46.254	-20.785	Pass
NVNT	ANT1	2-DH5	2441.00	-42.821	-20.713	Pass
NVNT	ANT1	2-DH5	2480.00	-45.823	-20.538	Pass
NVNT	ANT1	3-DH5	2402.00	-45.311	-20.760	Pass
NVNT	ANT1	3-DH5	2441.00	-45.699	-20.645	Pass
NVNT	ANT1	3-DH5	2480.00	-46.866	-20.575	Pass



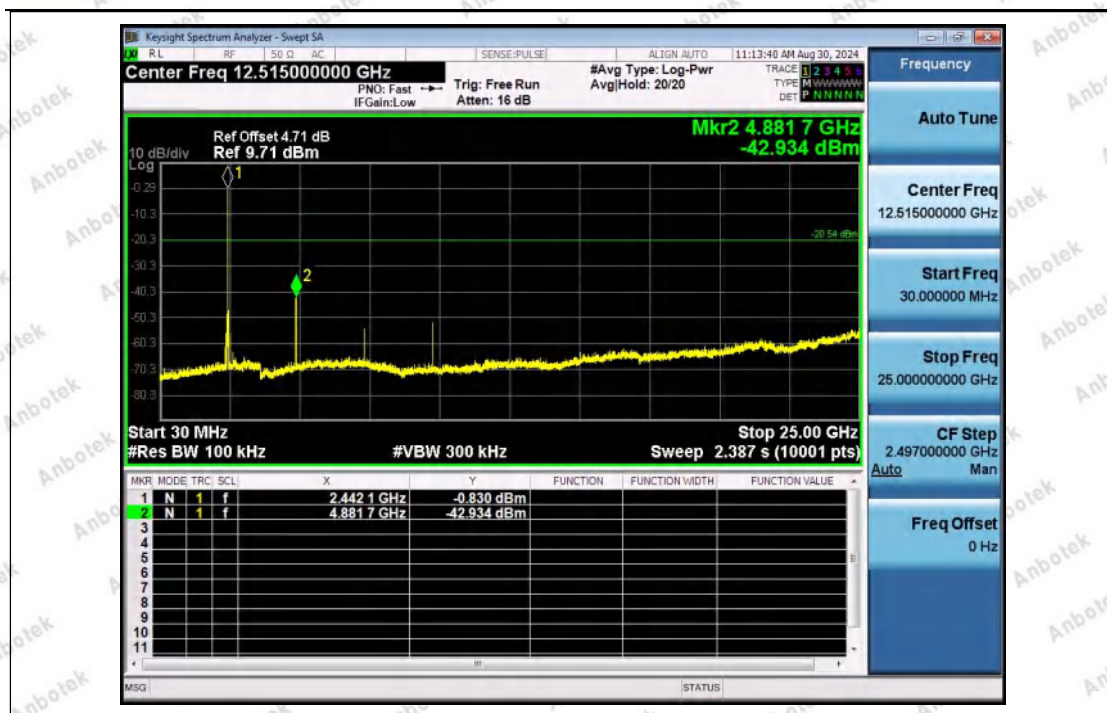


1_Reference_Level_NVNT_ANT1_1-DH5_2441_00

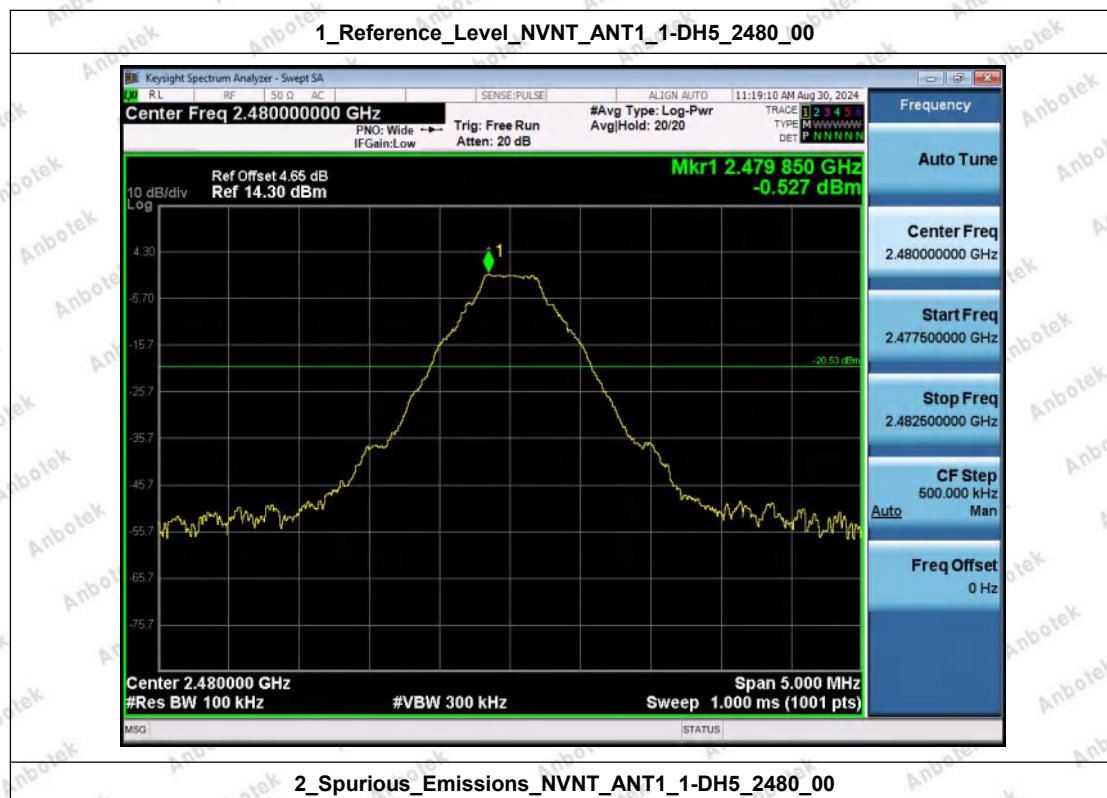


2_Spurious_Emissions_NVNT_ANT1_1-DH5_2441_00



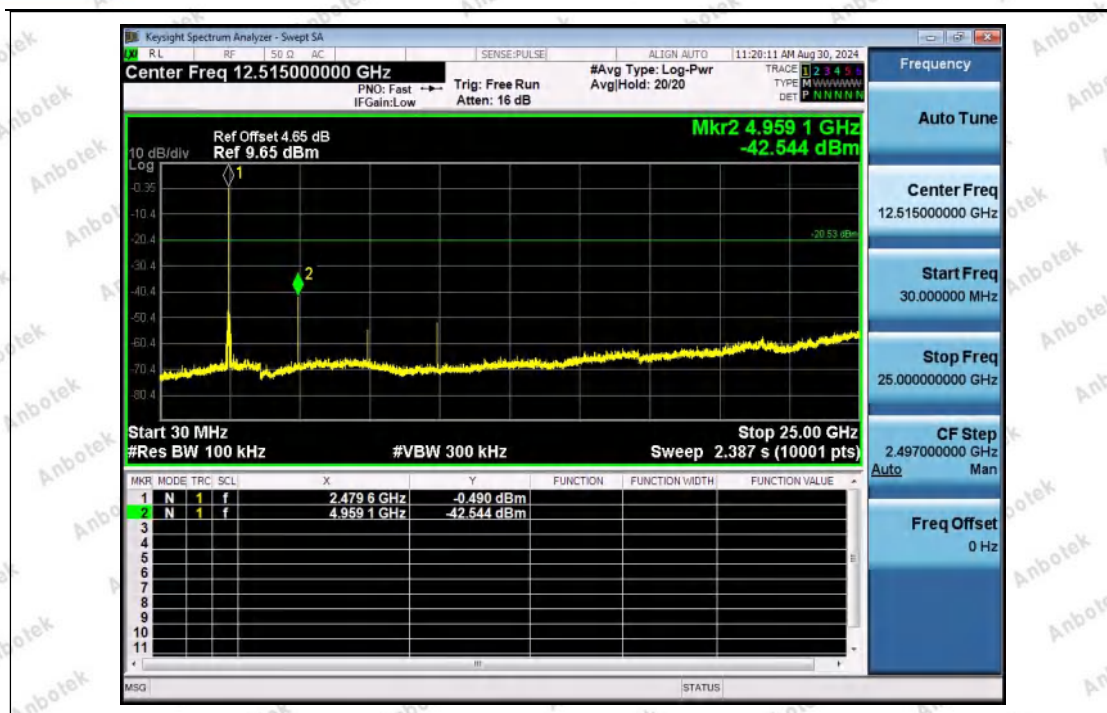


1_Reference_Level_NVNT_ANT1_1-DH5_2480_00

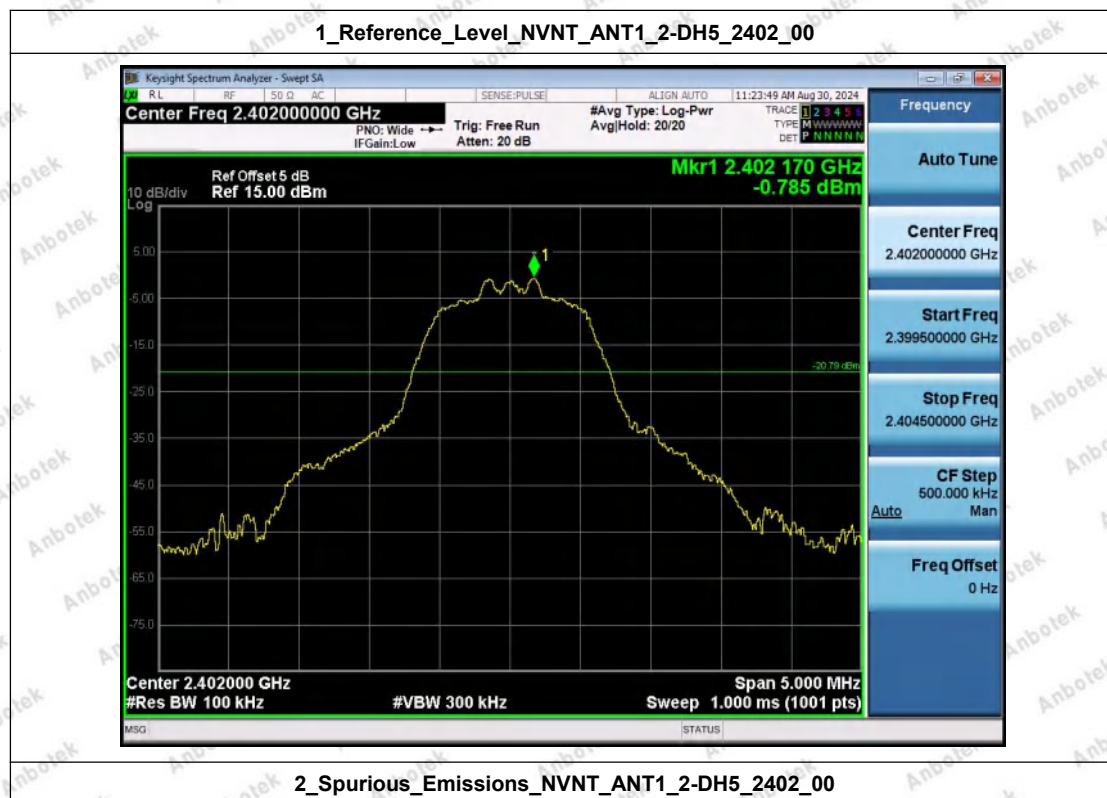


2_Spurious_Emissions_NVNT_ANT1_1-DH5_2480_00



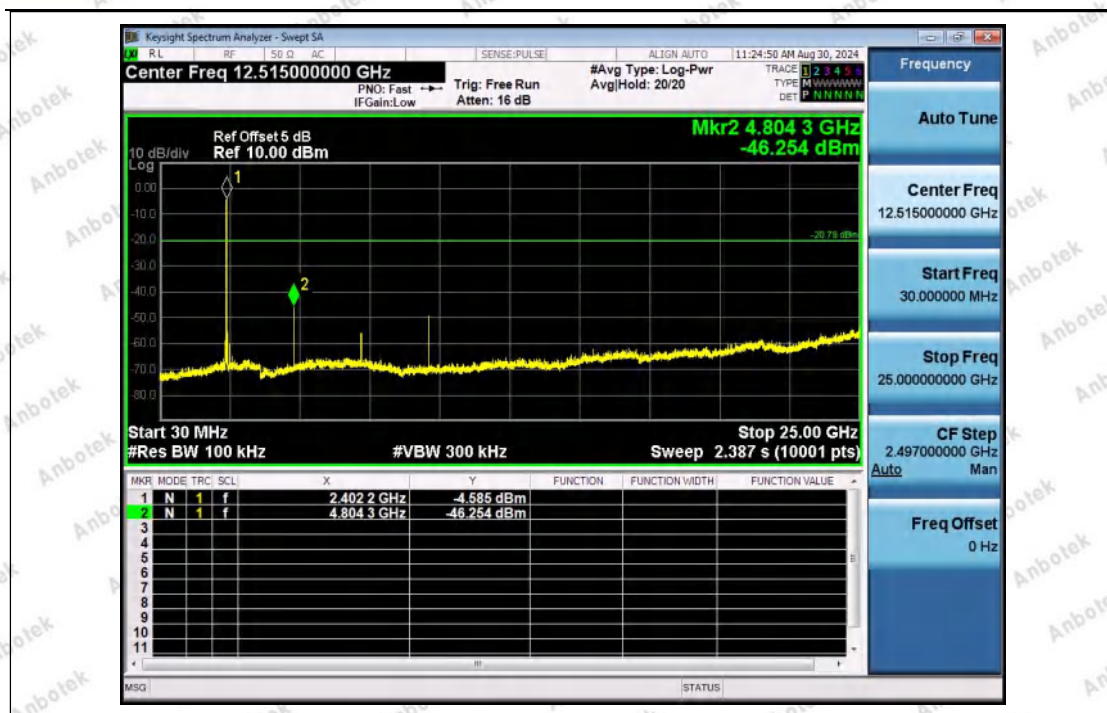


1_Reference_Level_NVNT_ANT1_2-DH5_2402_00

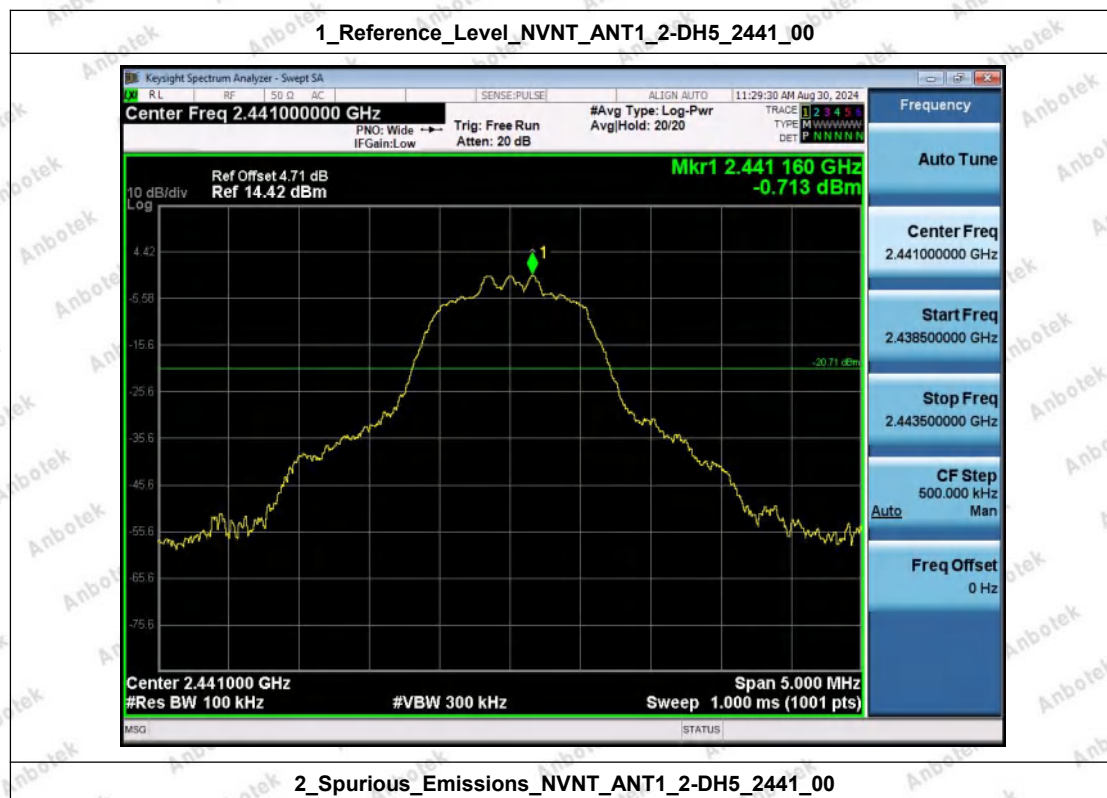


2_Spurious_Emissions_NVNT_ANT1_2-DH5_2402_00



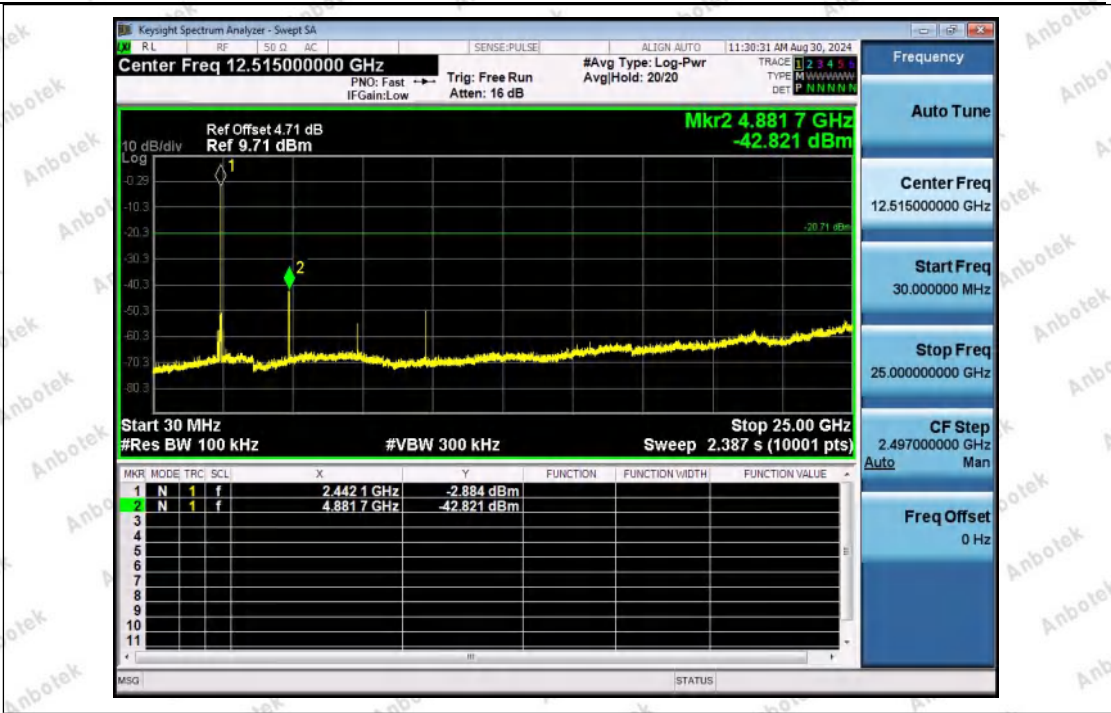


1_Reference_Level_NVNT_ANT1_2-DH5_2441_00

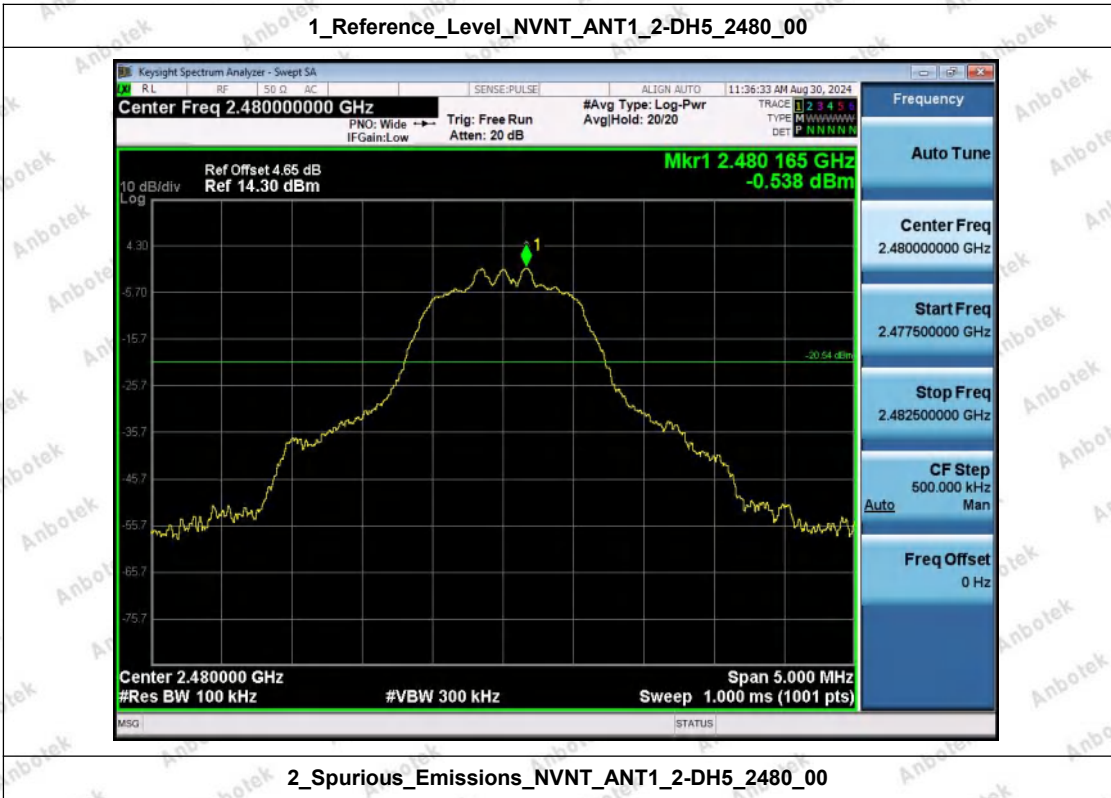


2_Spurious_Emissions_NVNT_ANT1_2-DH5_2441_00



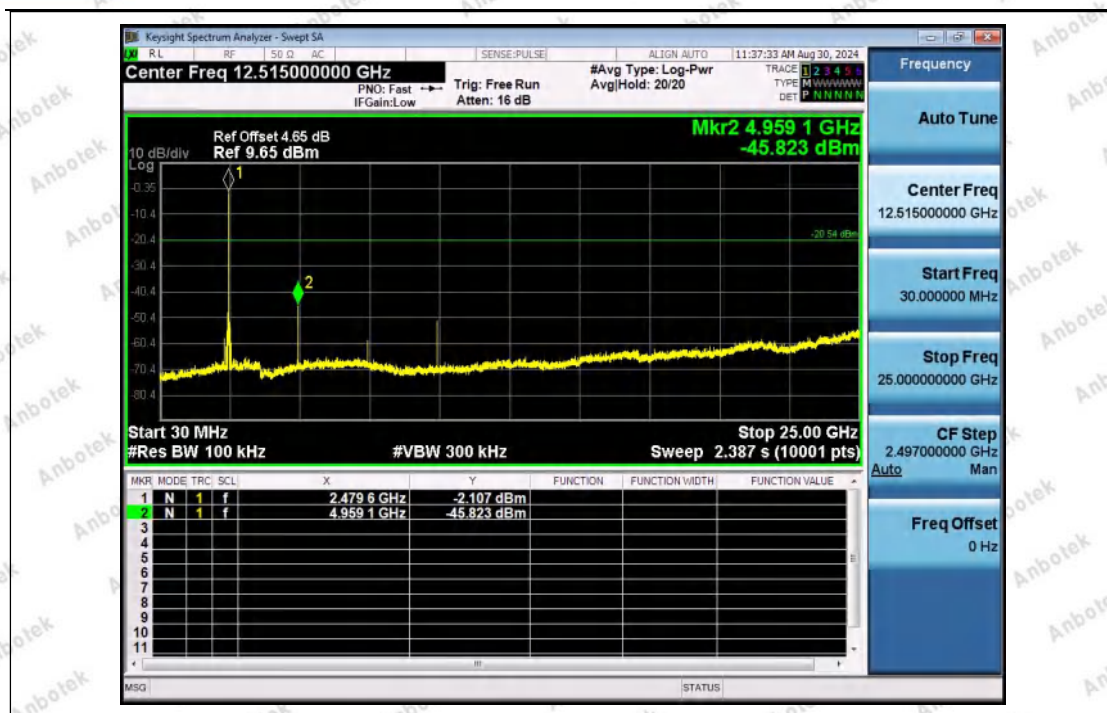


1_Reference_Level_NVNT_ANT1_2-DH5_2480_00

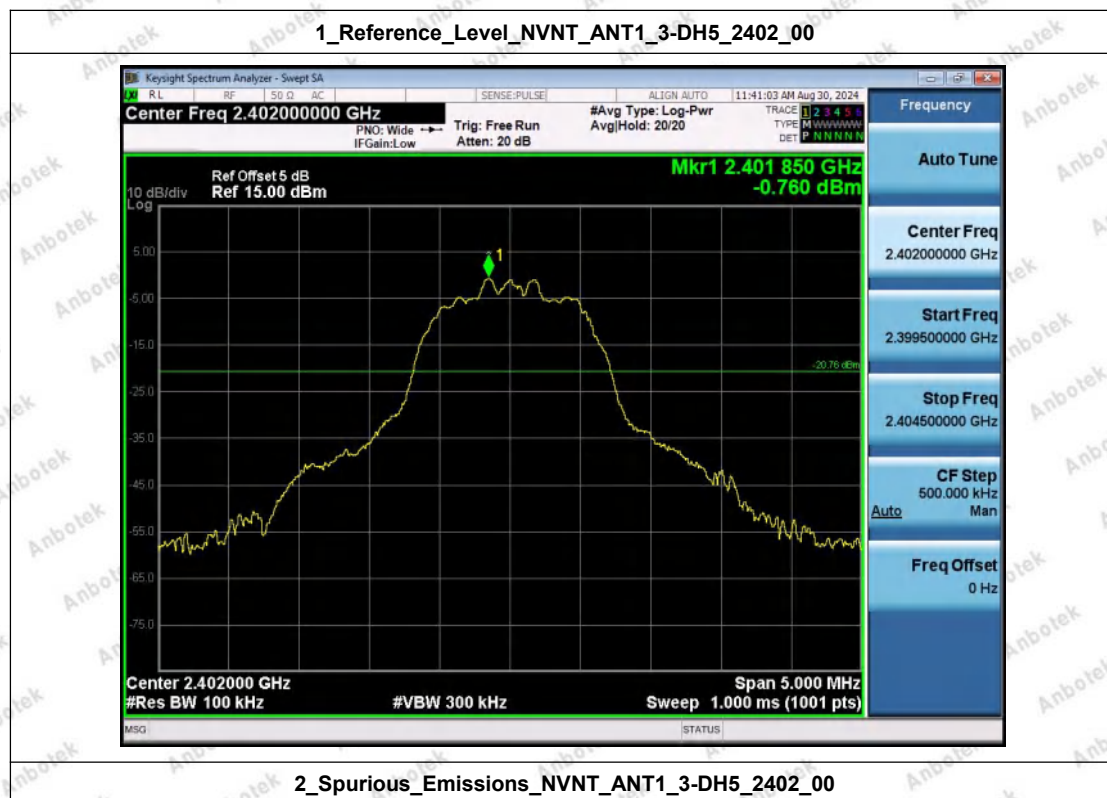


2_Spurious_Emissions_NVNT_ANT1_2-DH5_2480_00





1_Reference_Level_NVNT_ANT1_3-DH5_2402_00



2_Spurious_Emissions_NVNT_ANT1_3-DH5_2402_00

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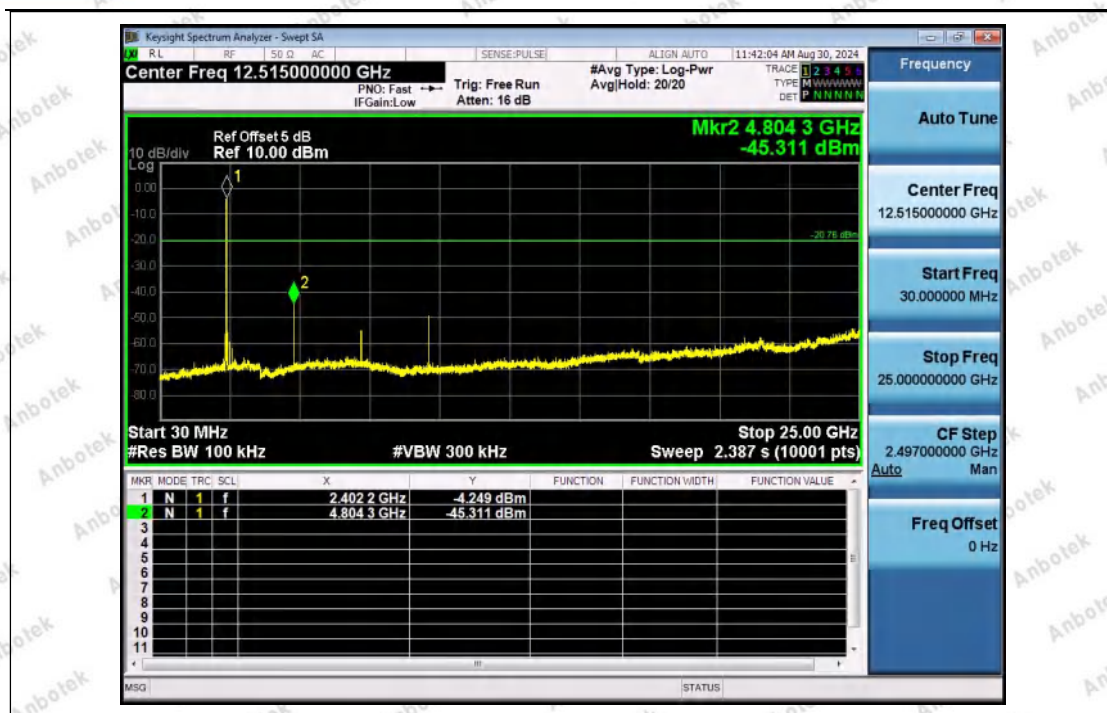
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Email: service@anbotek.com



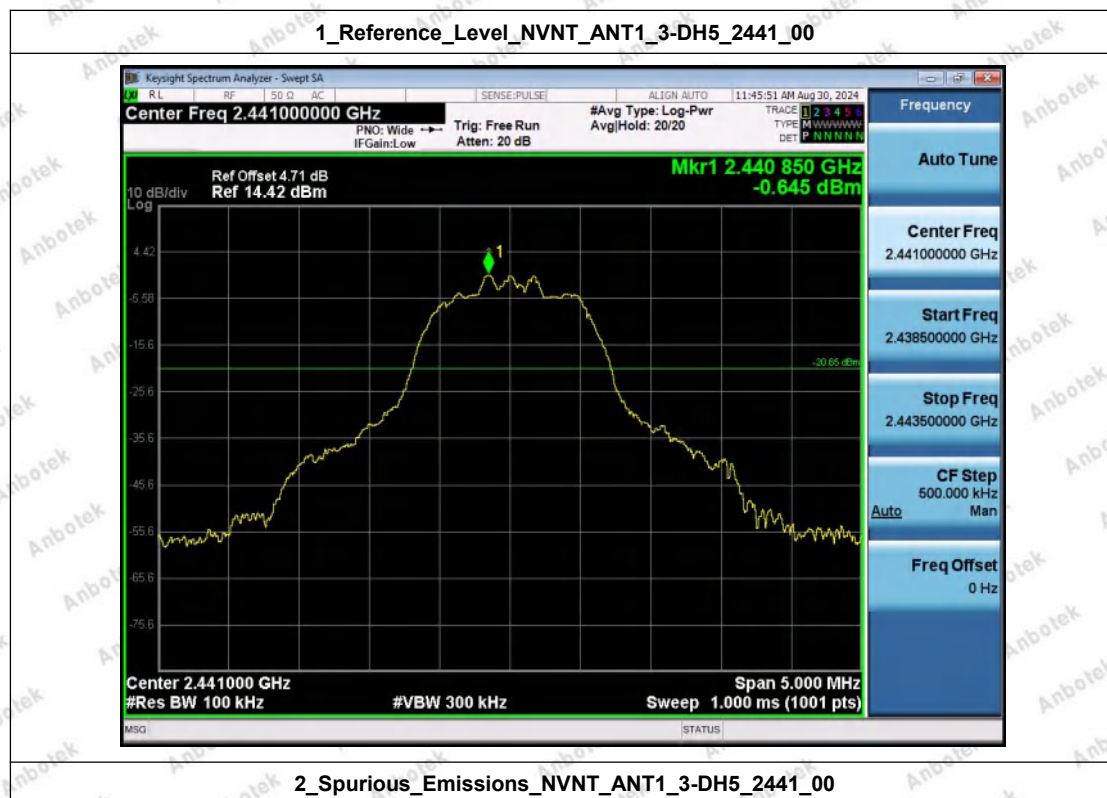
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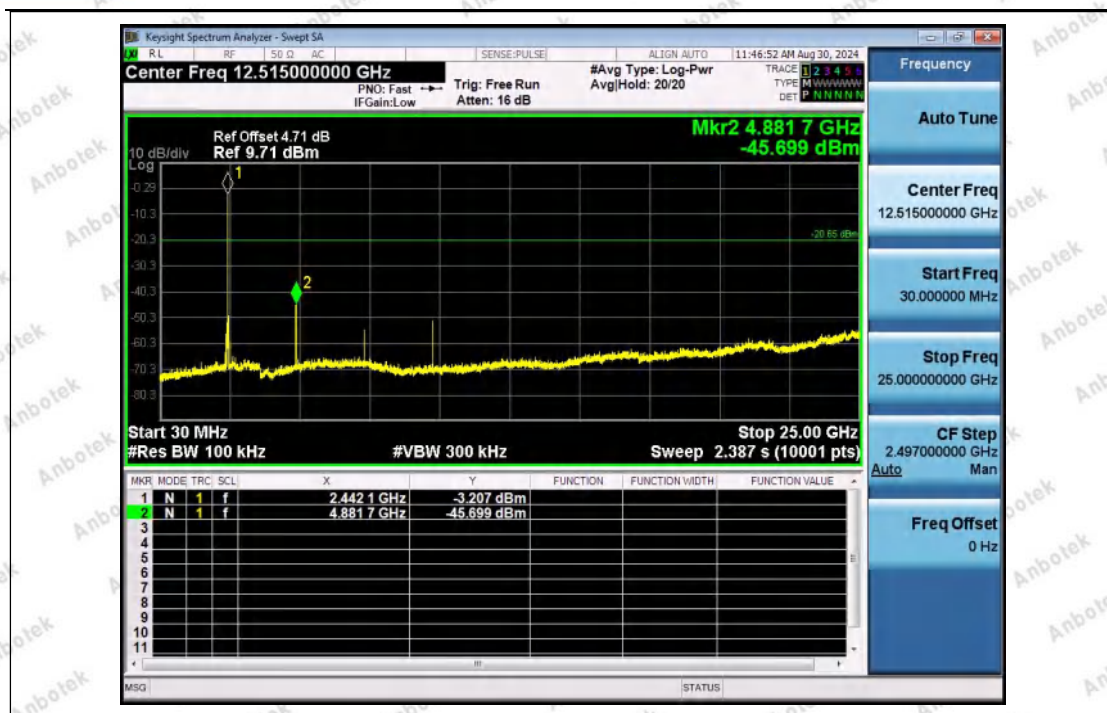


1_Reference_Level_NVNT_ANT1_3-DH5_2441_00

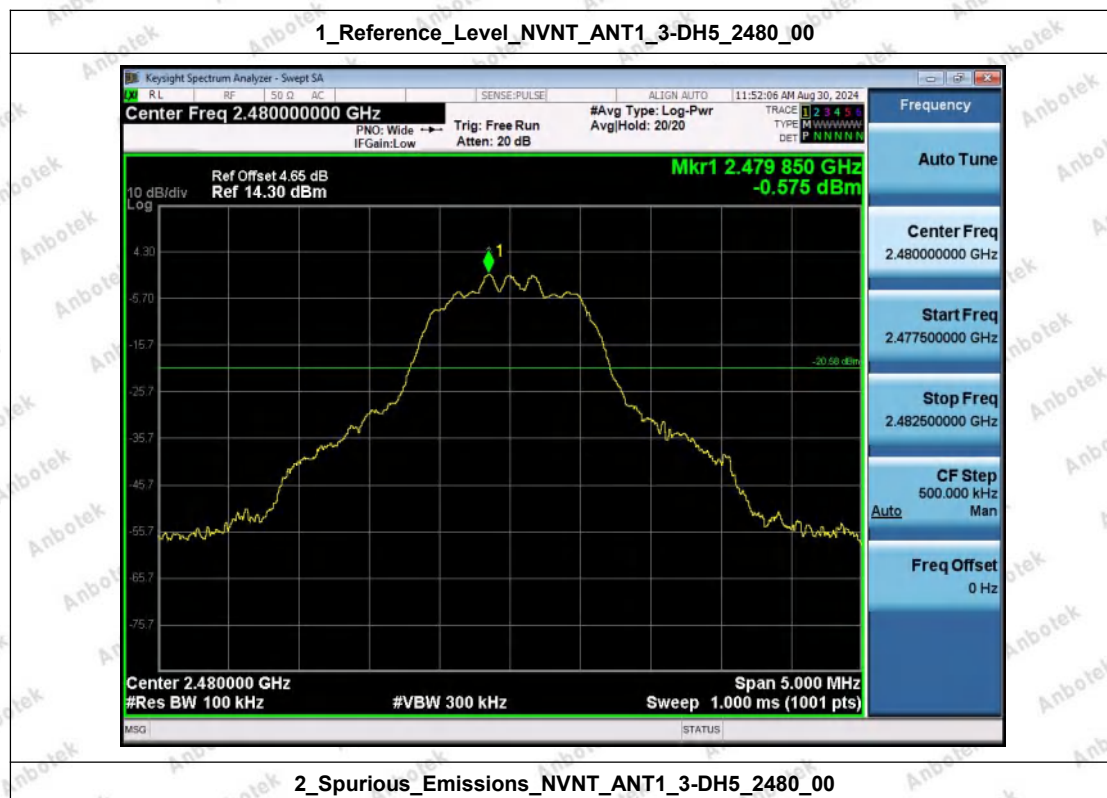


2_Spurious_Emissions_NVNT_ANT1_3-DH5_2441_00



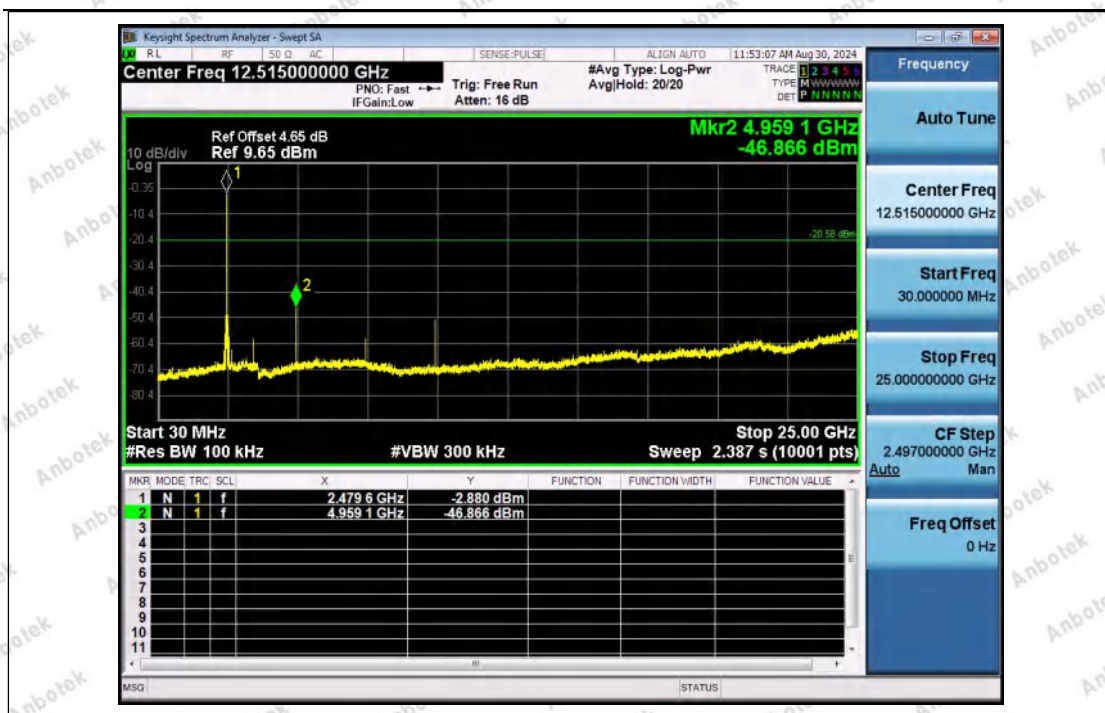


1_Reference_Level_NVNT_ANT1_3-DH5_2480_00



2_Spurious_Emissions_NVNT_ANT1_3-DH5_2480_00





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Appendix F: Bandedge

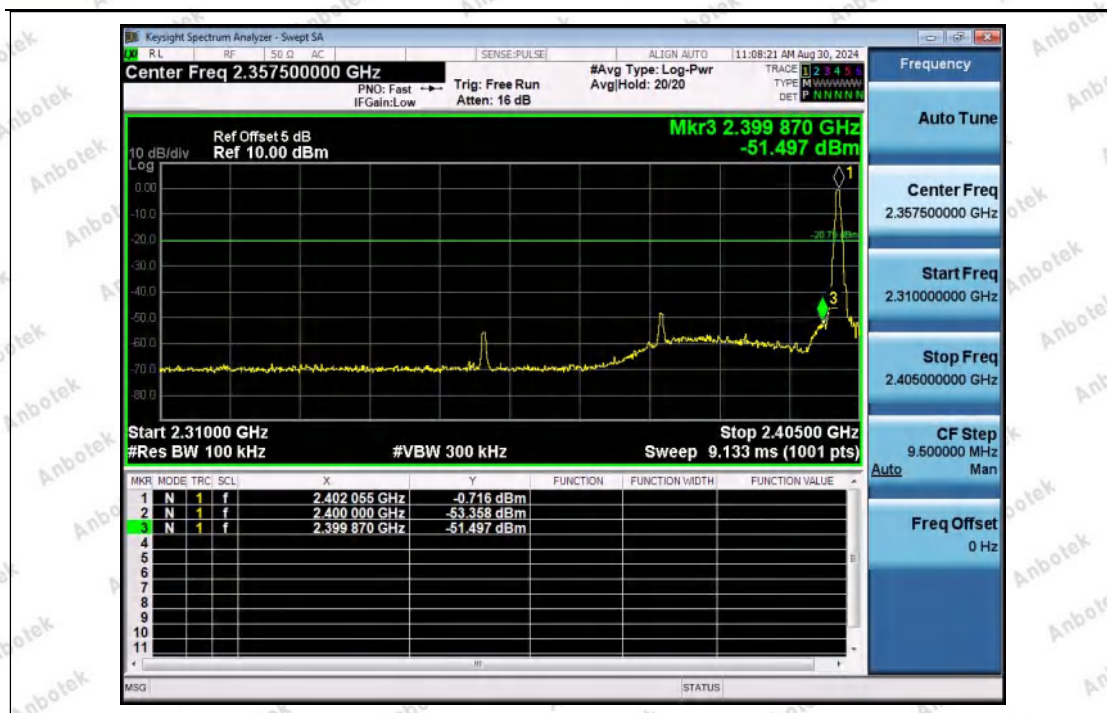
Condition	Antenna	Modulation	TX Mode	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH5	2402.00	-51.497	-20.786	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	-48.092	-19.942	Pass
NVNT	ANT1	1-DH5	2480.00	-56.289	-20.527	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	-47.382	-20.465	Pass
NVNT	ANT1	2-DH5	2402.00	-50.124	-20.785	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	-48.603	-20.193	Pass
NVNT	ANT1	2-DH5	2480.00	-55.226	-20.538	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	-48.254	-20.511	Pass
NVNT	ANT1	3-DH5	2402.00	-53.093	-20.760	Pass
NVNT	ANT1	3-DH5	Hopping_LCH	-48.769	-20.225	Pass
NVNT	ANT1	3-DH5	2480.00	-56.138	-20.575	Pass
NVNT	ANT1	3-DH5	Hopping_HCH	-49.060	-20.578	Pass

1_Reference_Level_NVNT_ANT1_1-DH5_2402_00

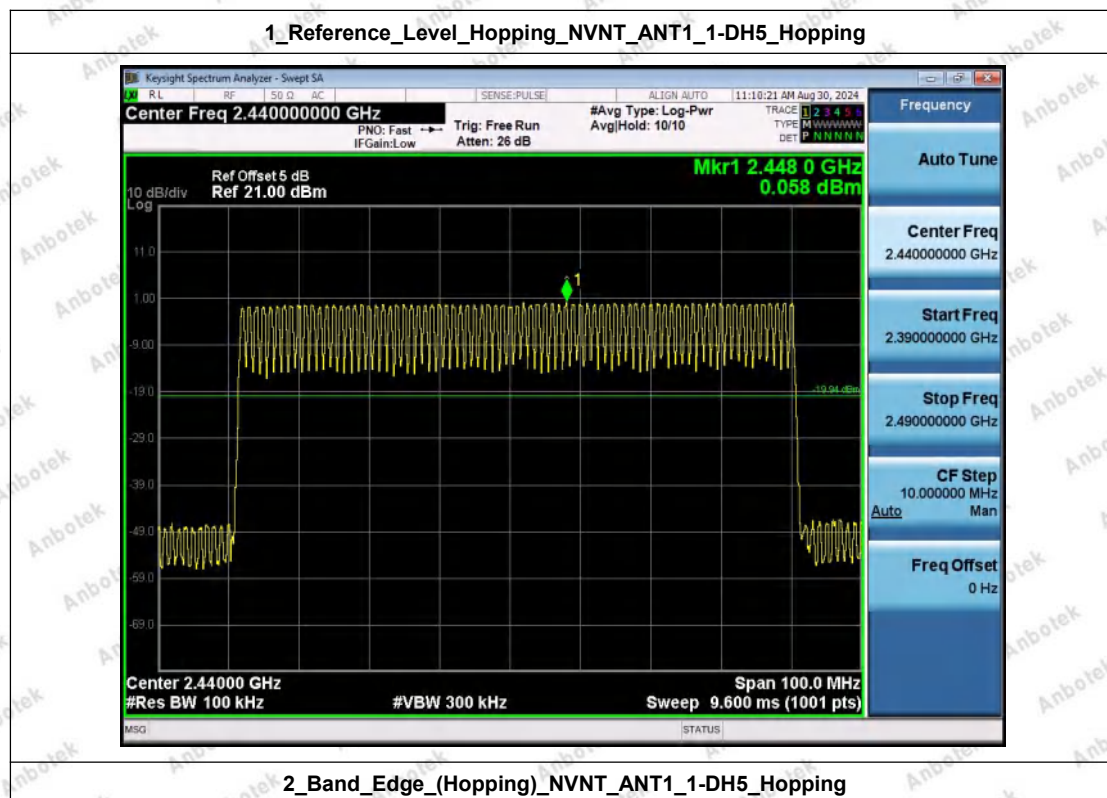


2_Bandedge_NVNT_ANT1_1-DH5_2402_00



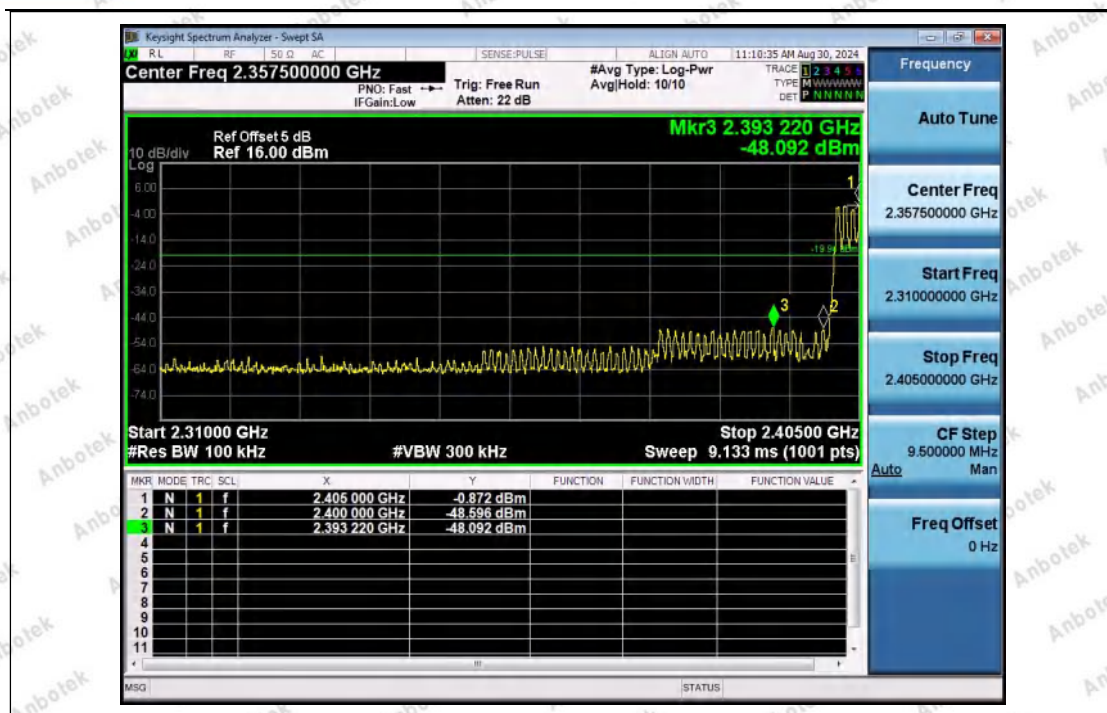


1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping

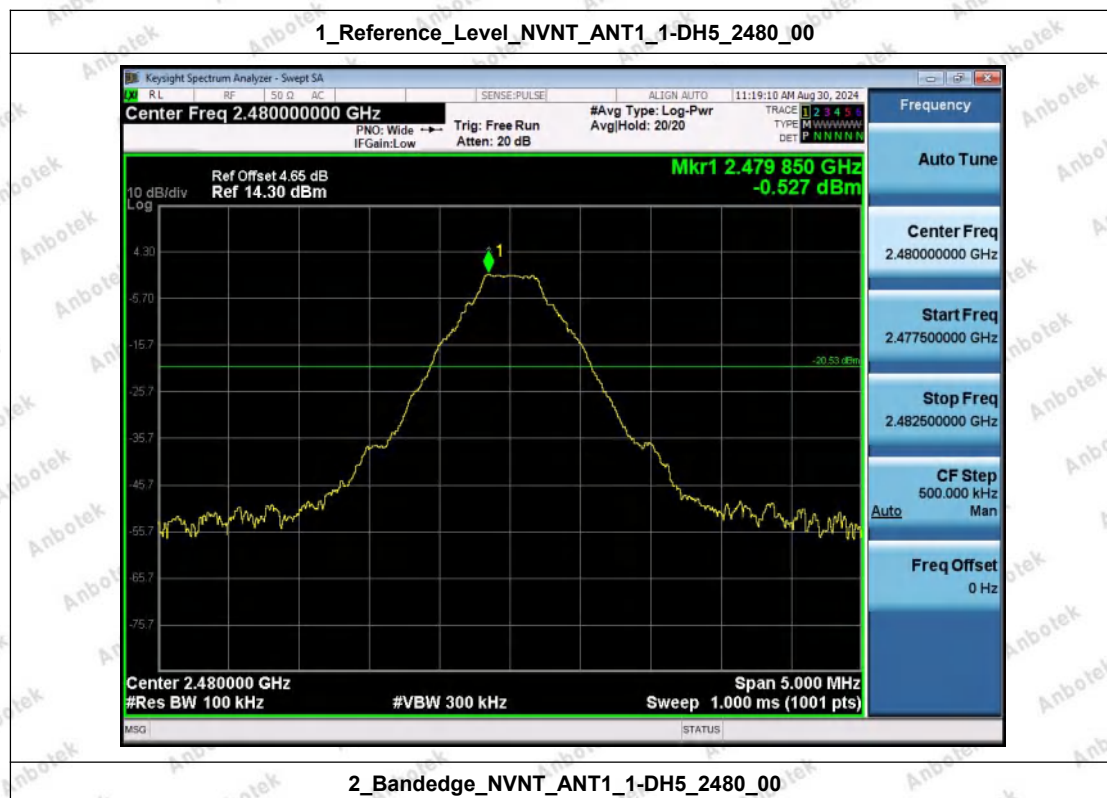


2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



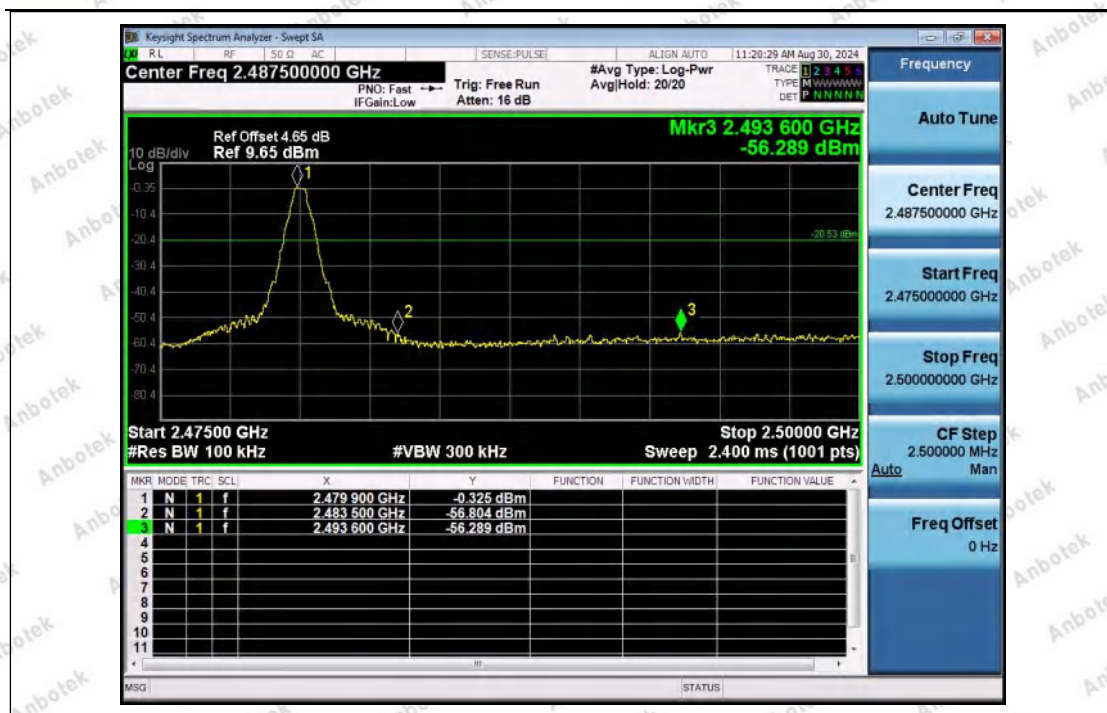


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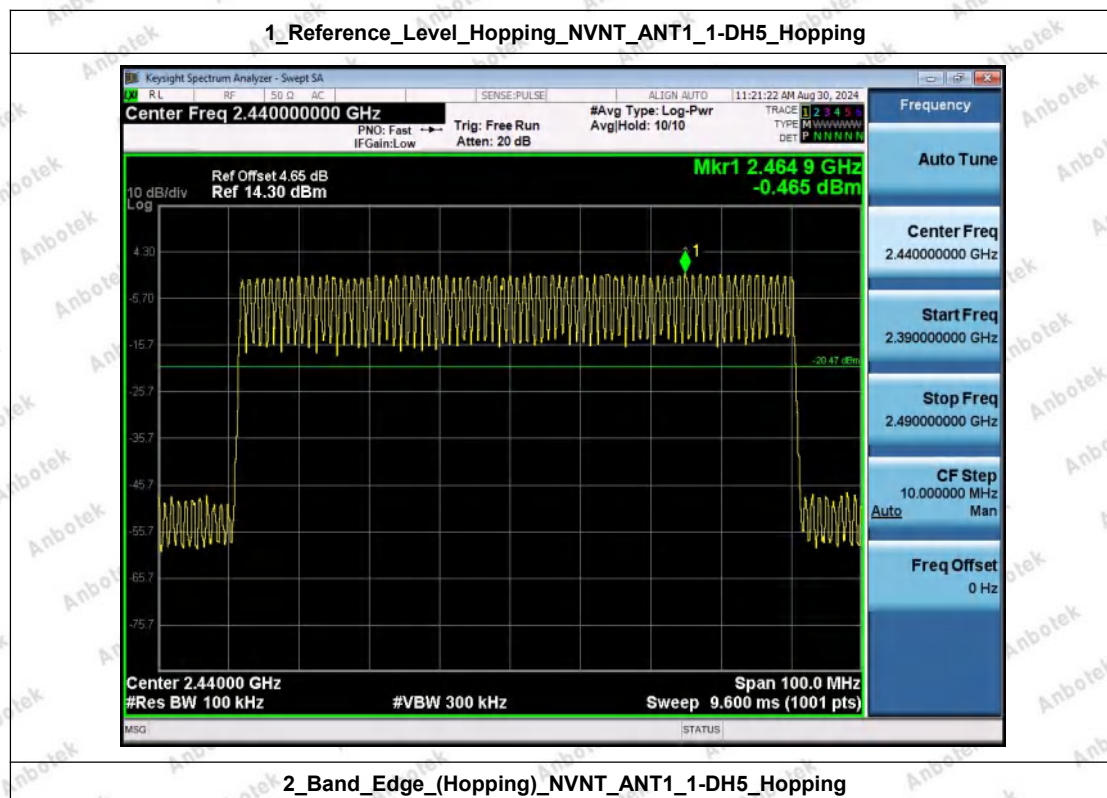


2_Bandedge_NVNT_ANT1_1-DH5_2480_00



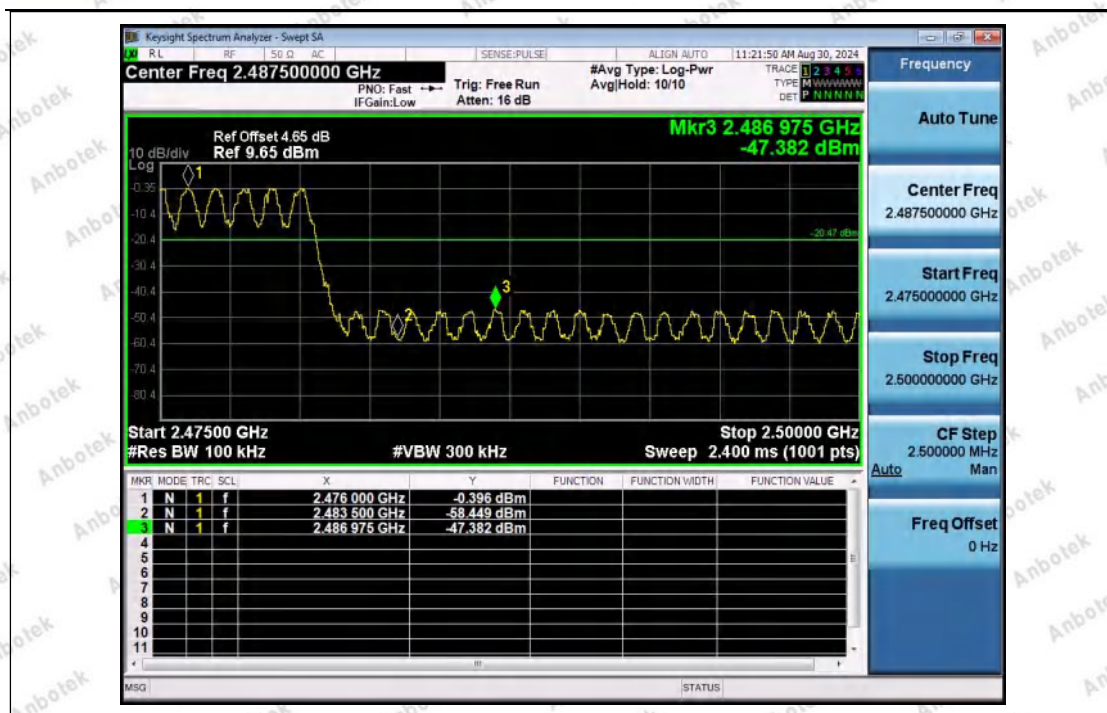


1_Reference_Level_Hopping_NVNT_ANT1_1-DH5_Hopping

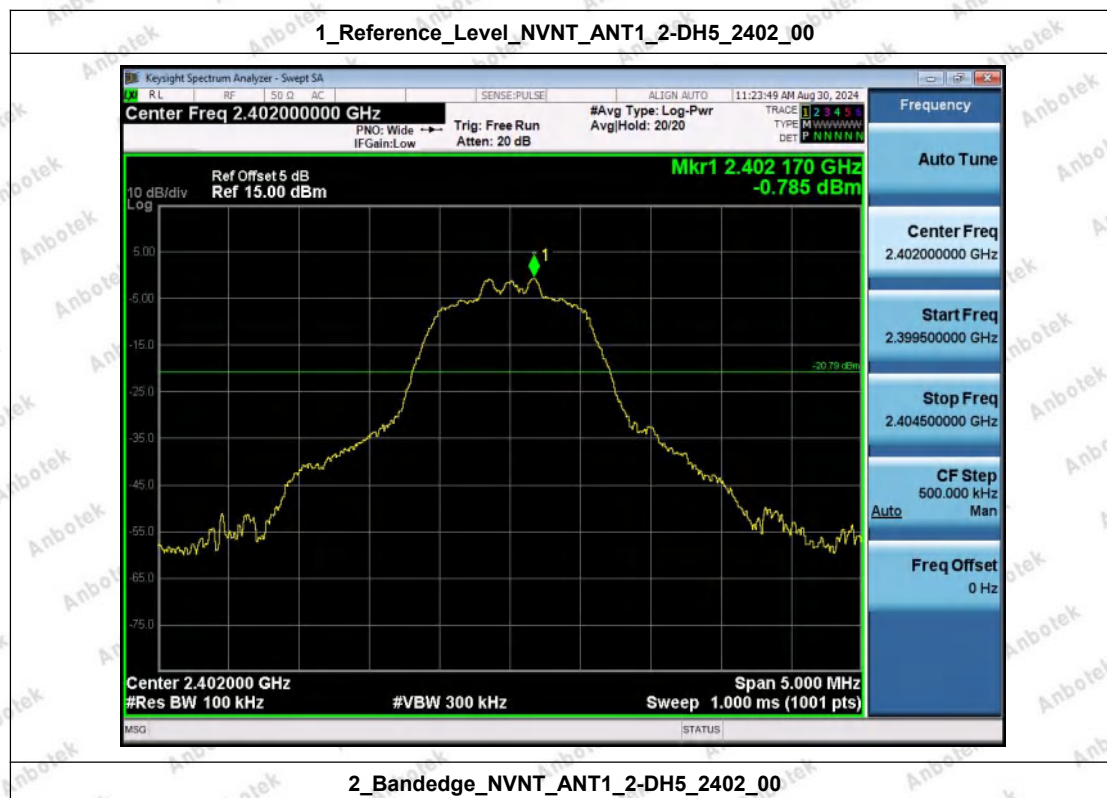


2_Band_Edge_(Hopping)_NVNT_ANT1_1-DH5_Hopping



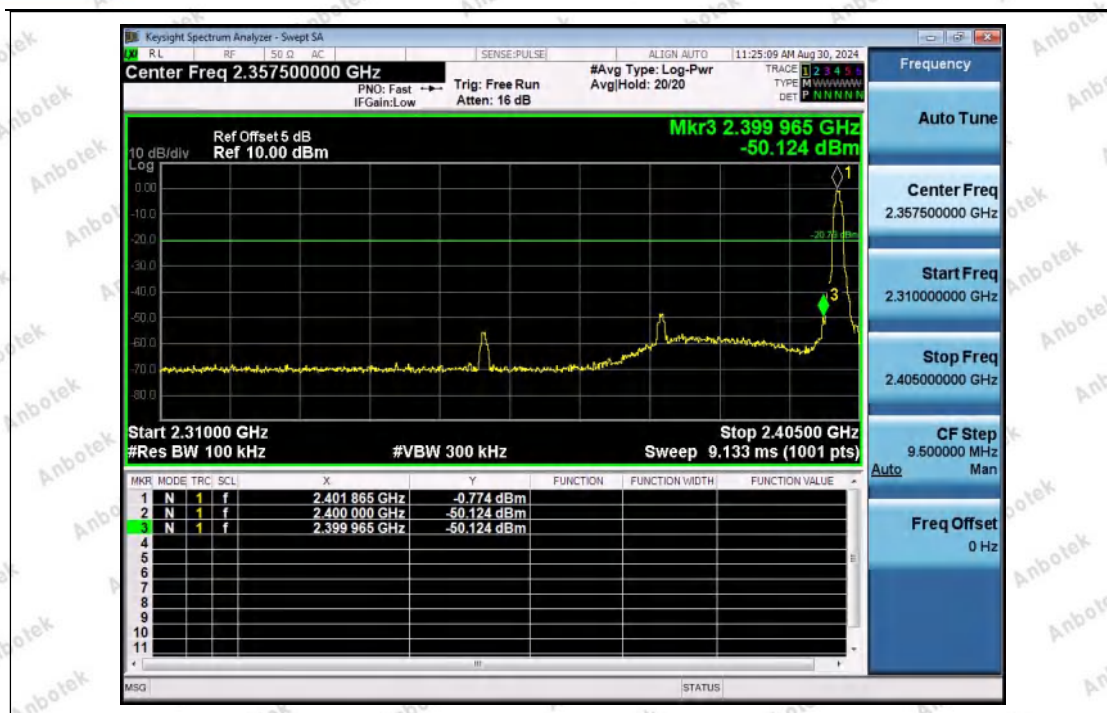


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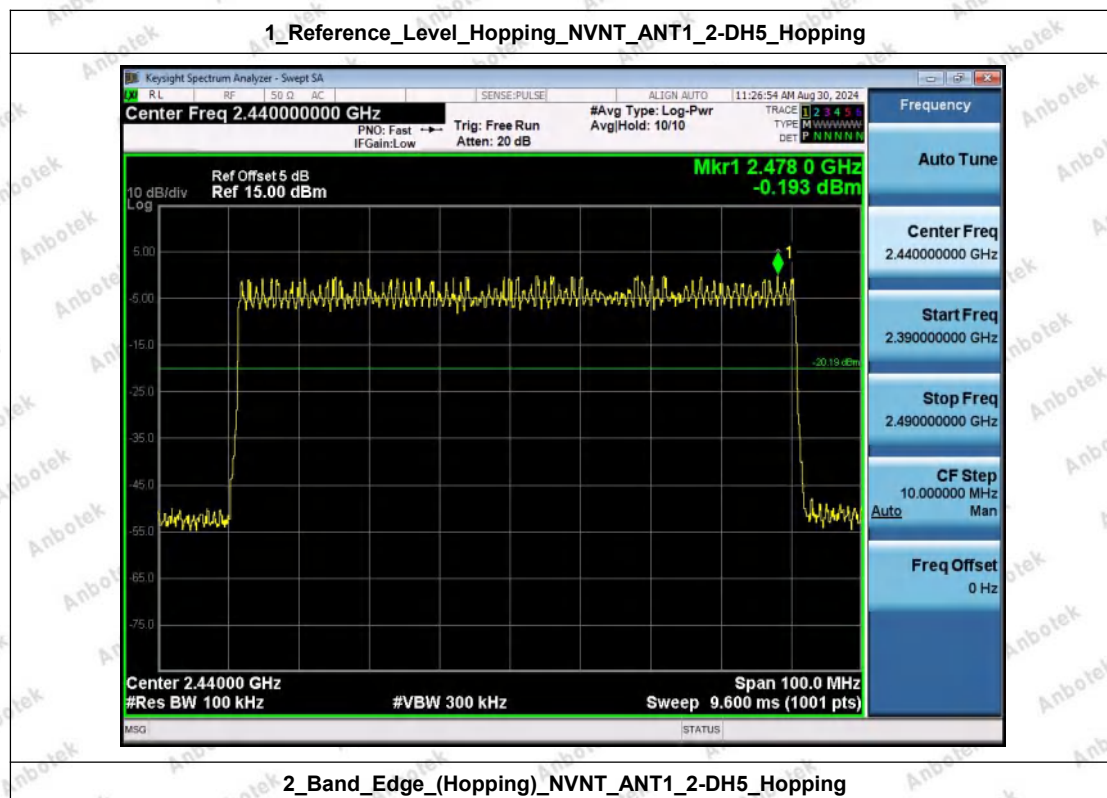


2_Bandedge_NVNT_ANT1_2-DH5_2402_00





1_Reference_Level_Hopping_NVNT_ANT1_2-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping

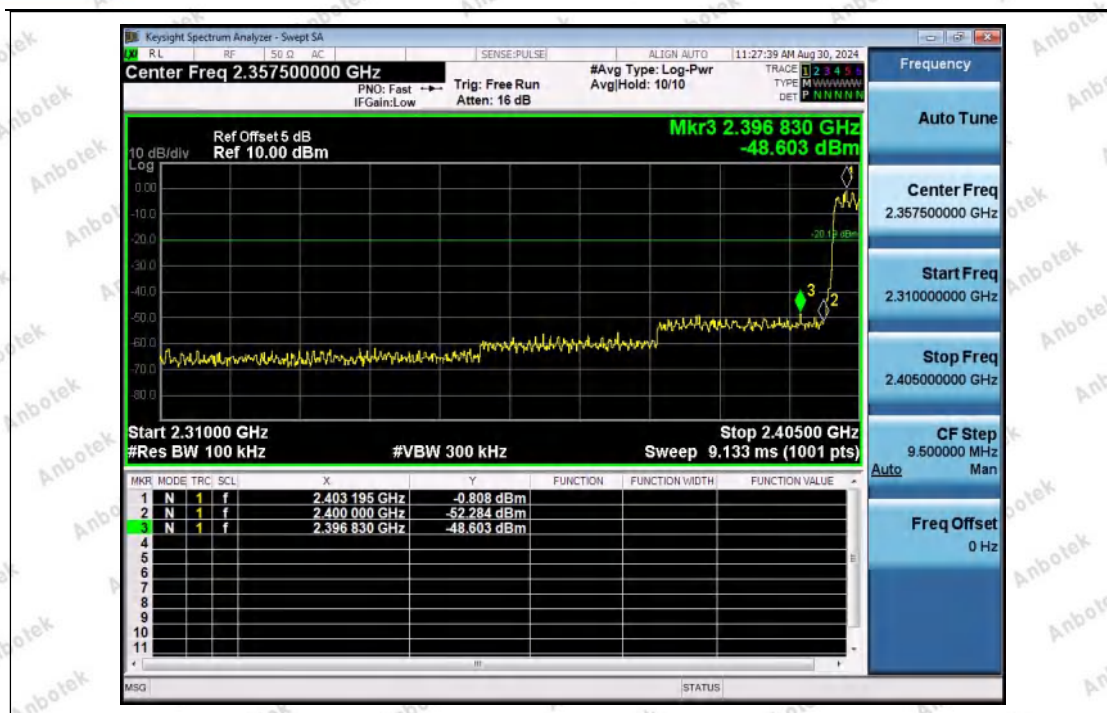
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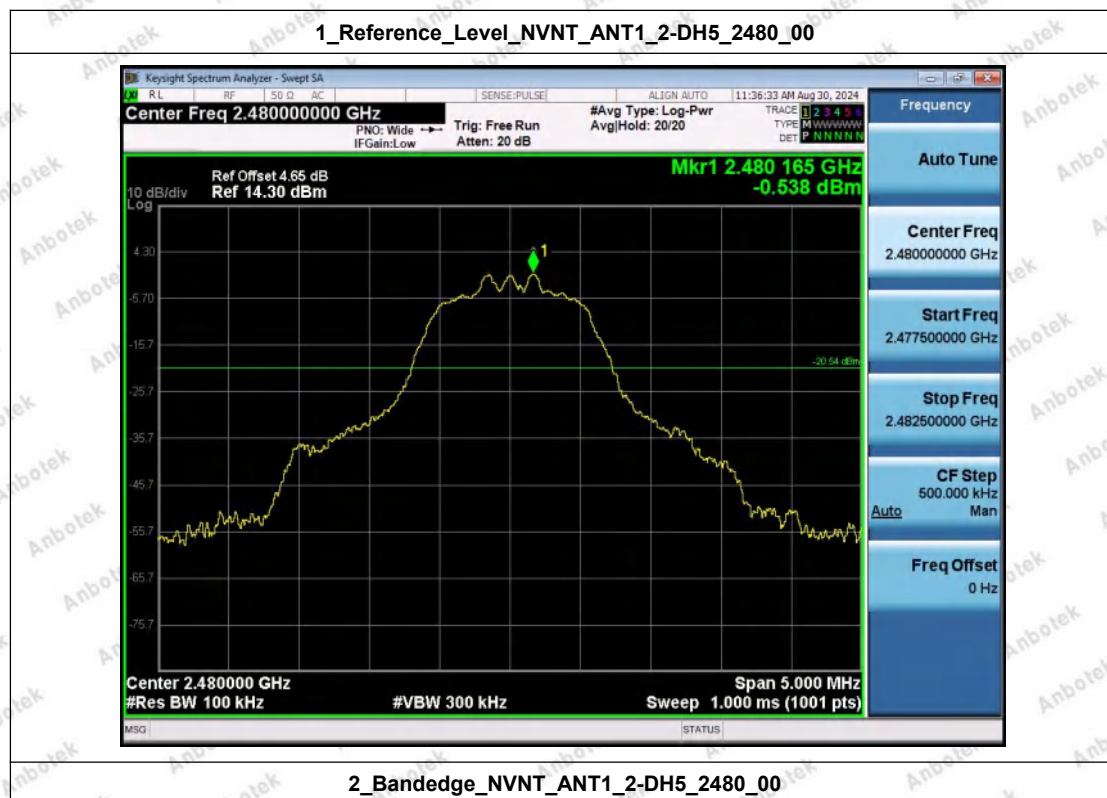


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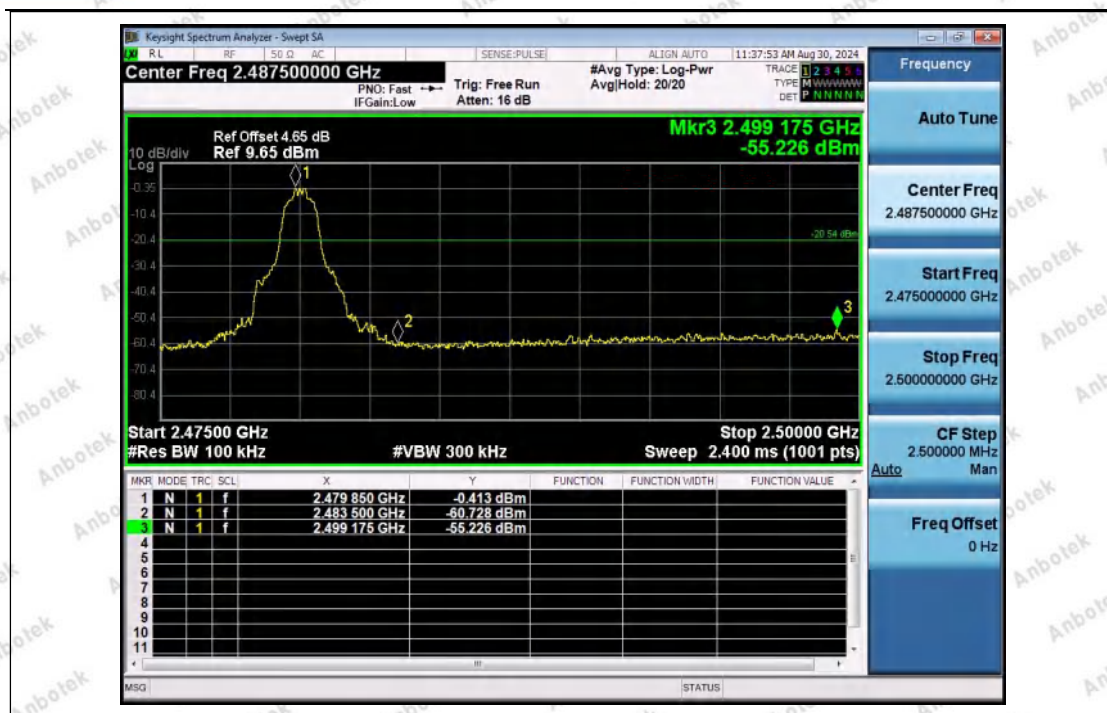


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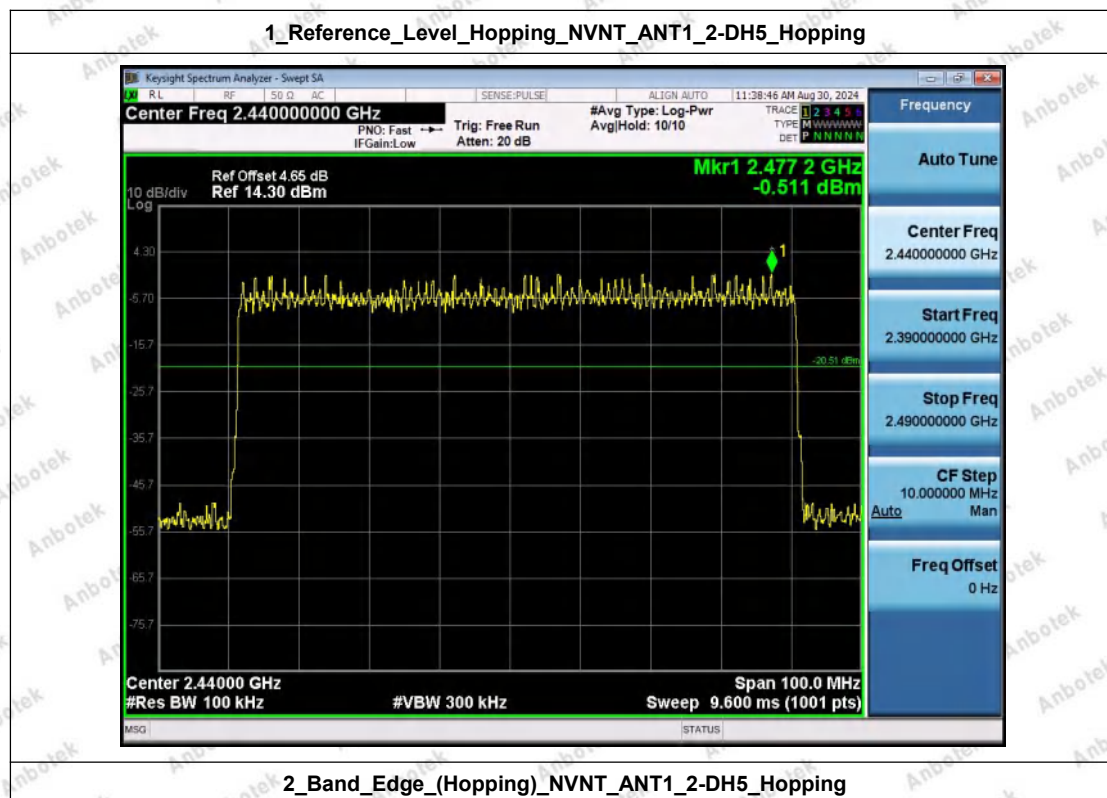


2_Bandedge_NVNT_ANT1_2-DH5_2480_00



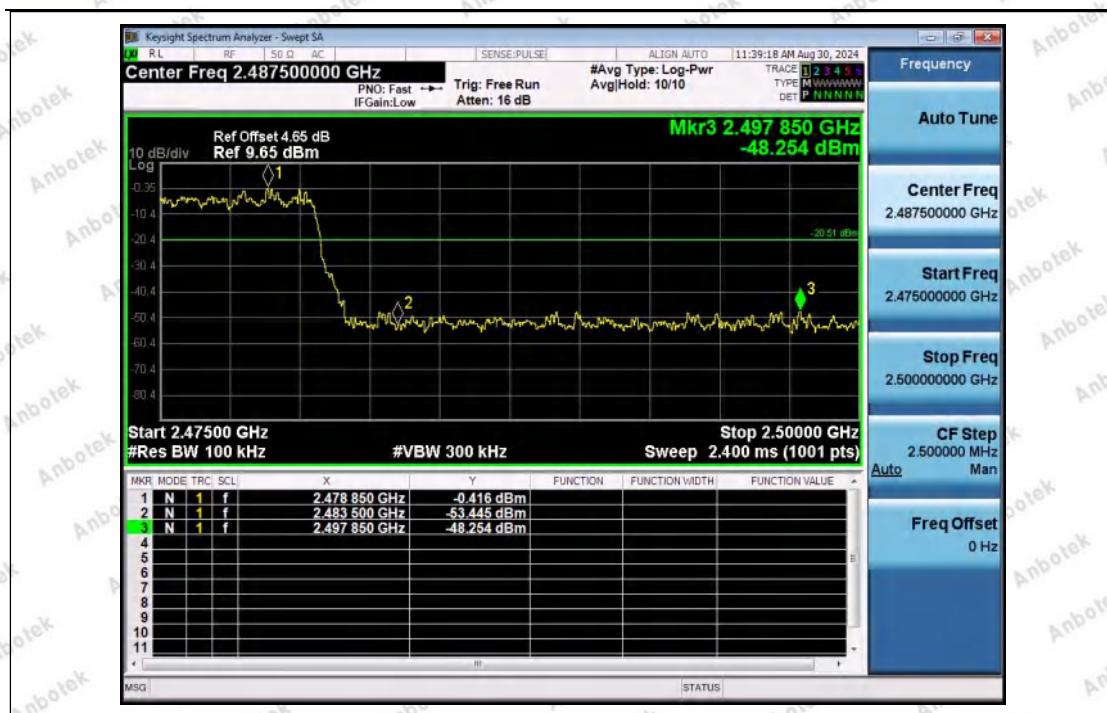


1_Reference_Level_Hopping_NVNT_ANT1_2-DH5_Hopping

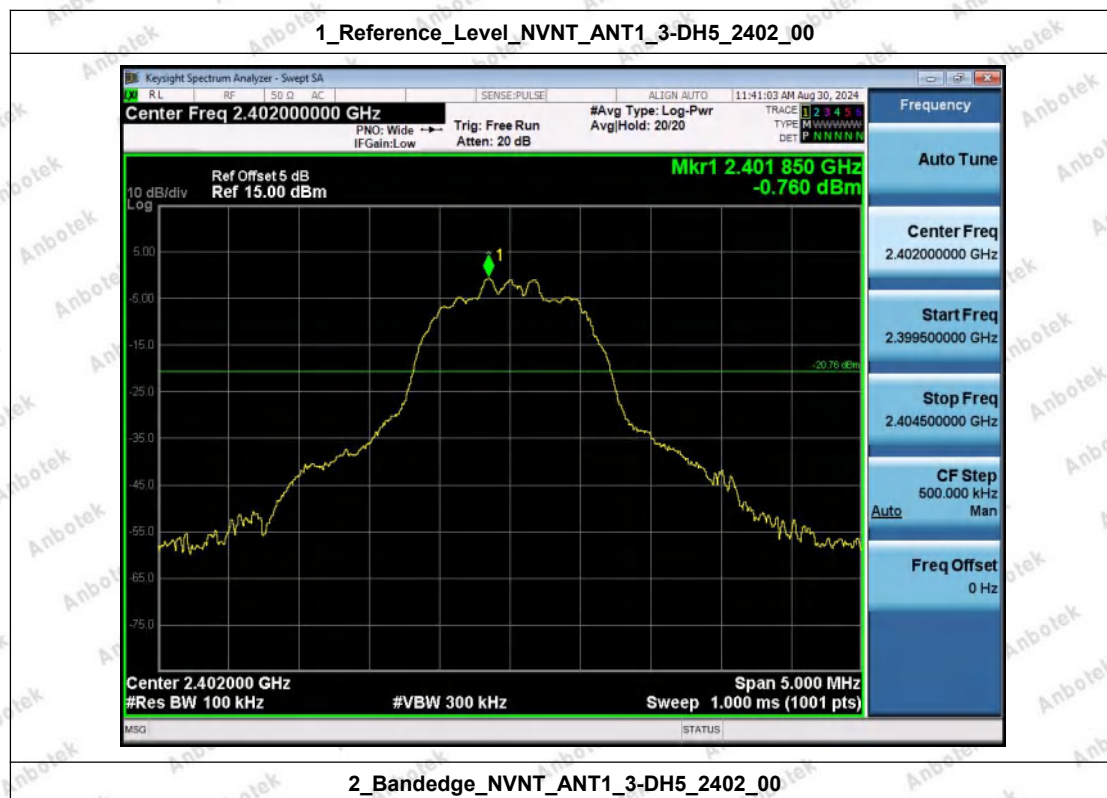


2_Band_Edge_(Hopping)_NVNT_ANT1_2-DH5_Hopping



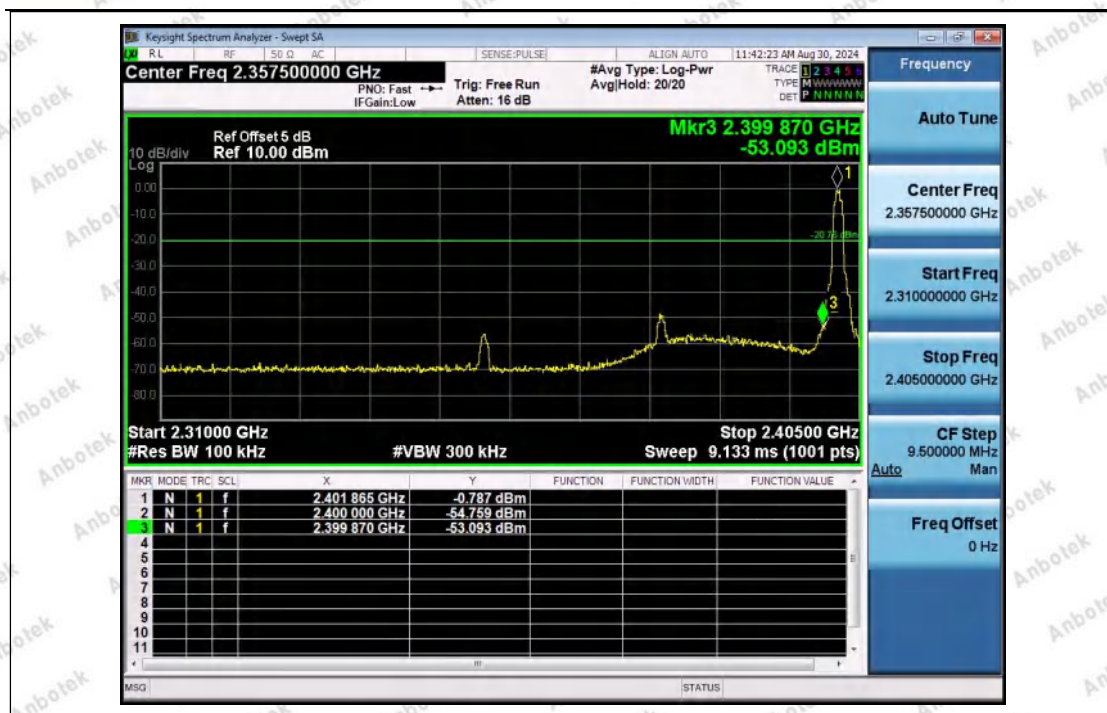


1_Reference_Level_NVNT_ANT1_3-DH5_2402_00

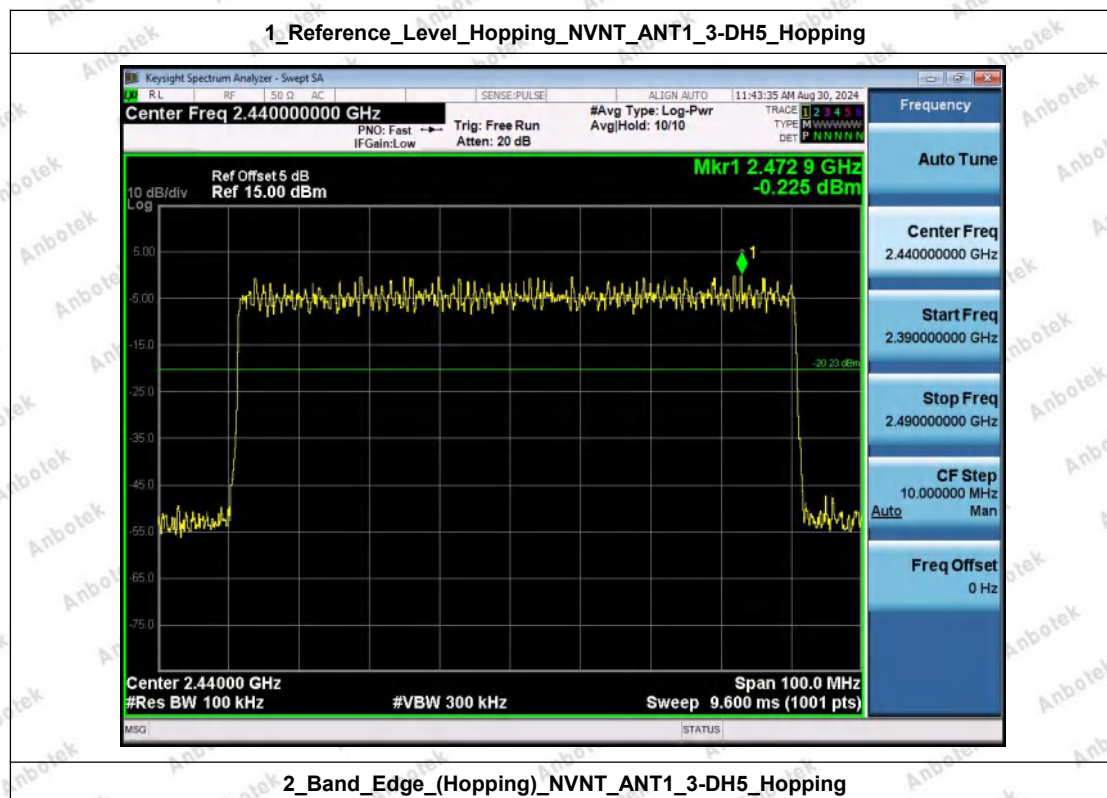


2_Bandedge_NVNT_ANT1_3-DH5_2402_00



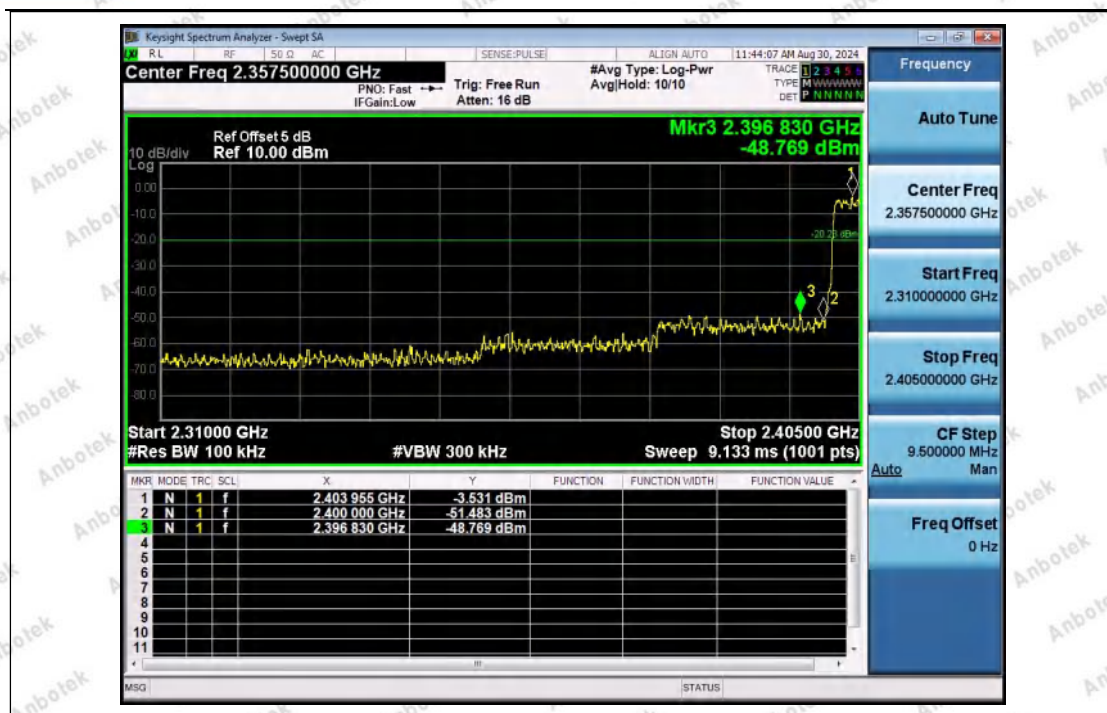


1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping

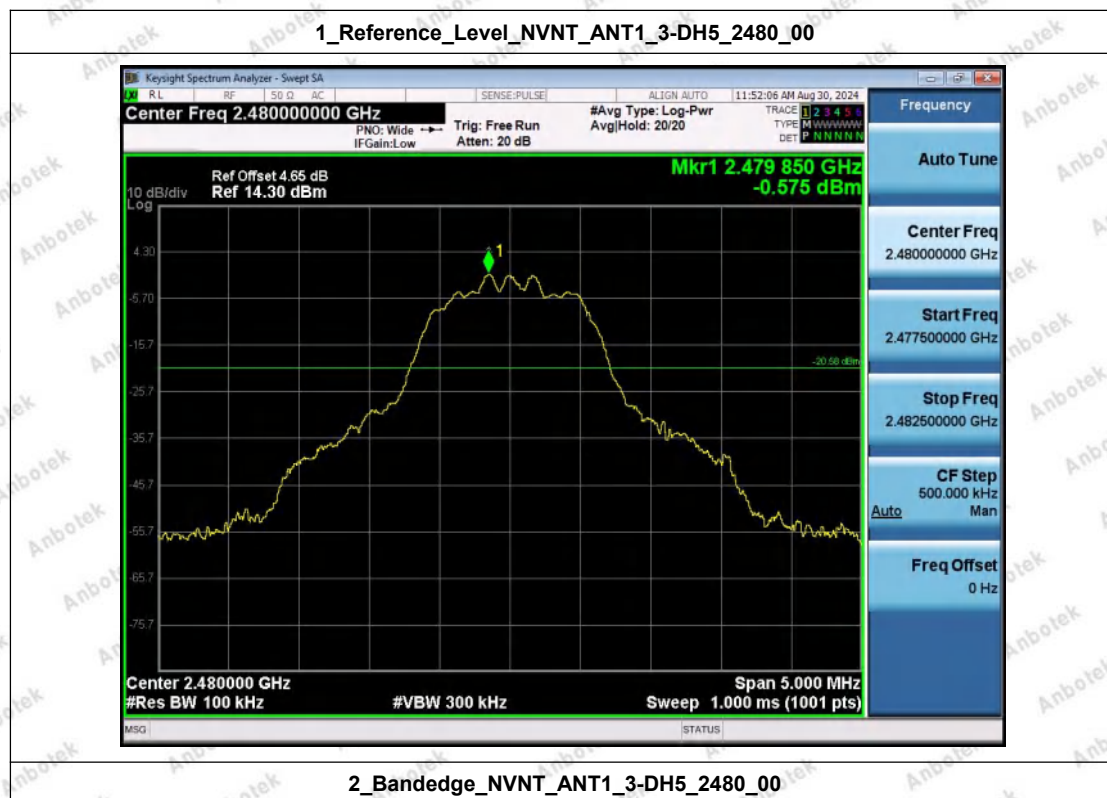


2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping



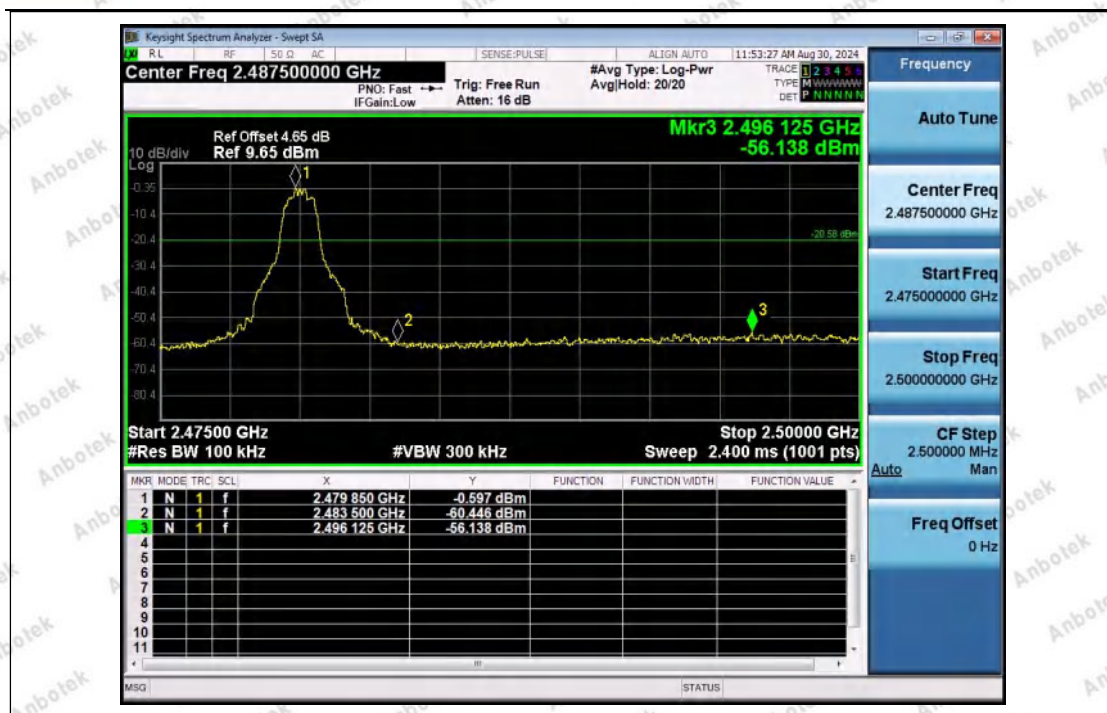


1_Reference_Level_NVNT_ANT1_3-DH5_2480_00

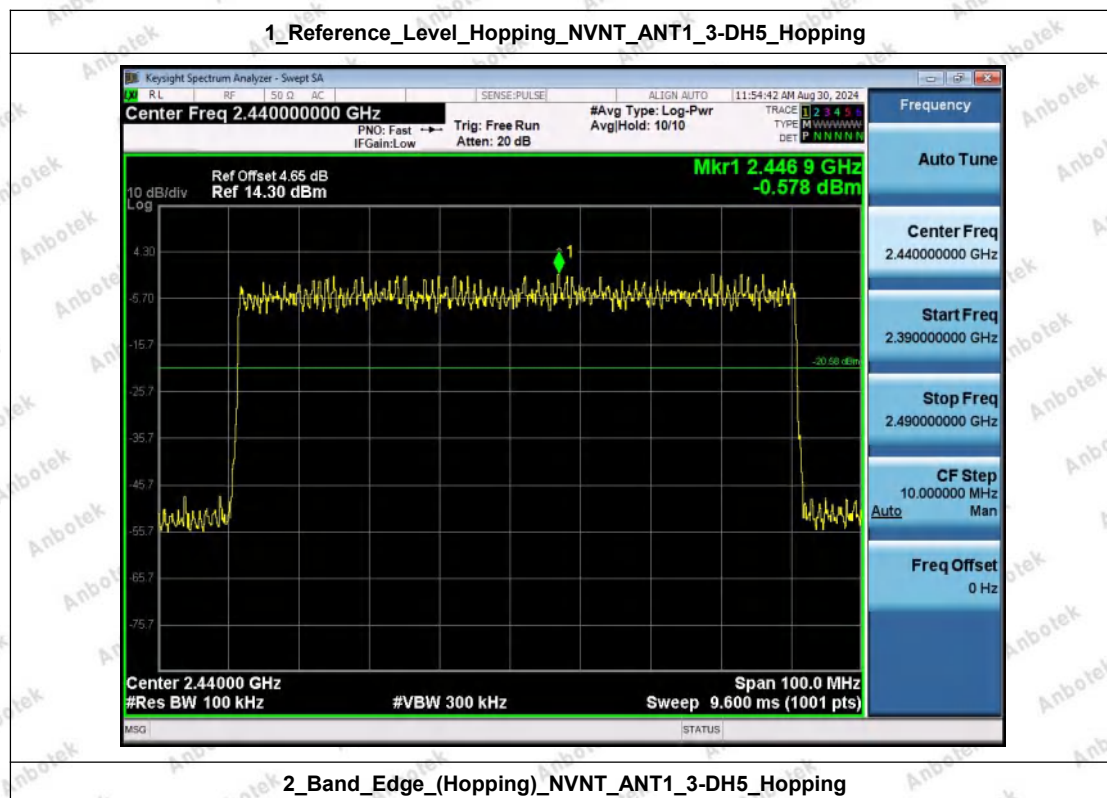


2_Bandedge_NVNT_ANT1_3-DH5_2480_00



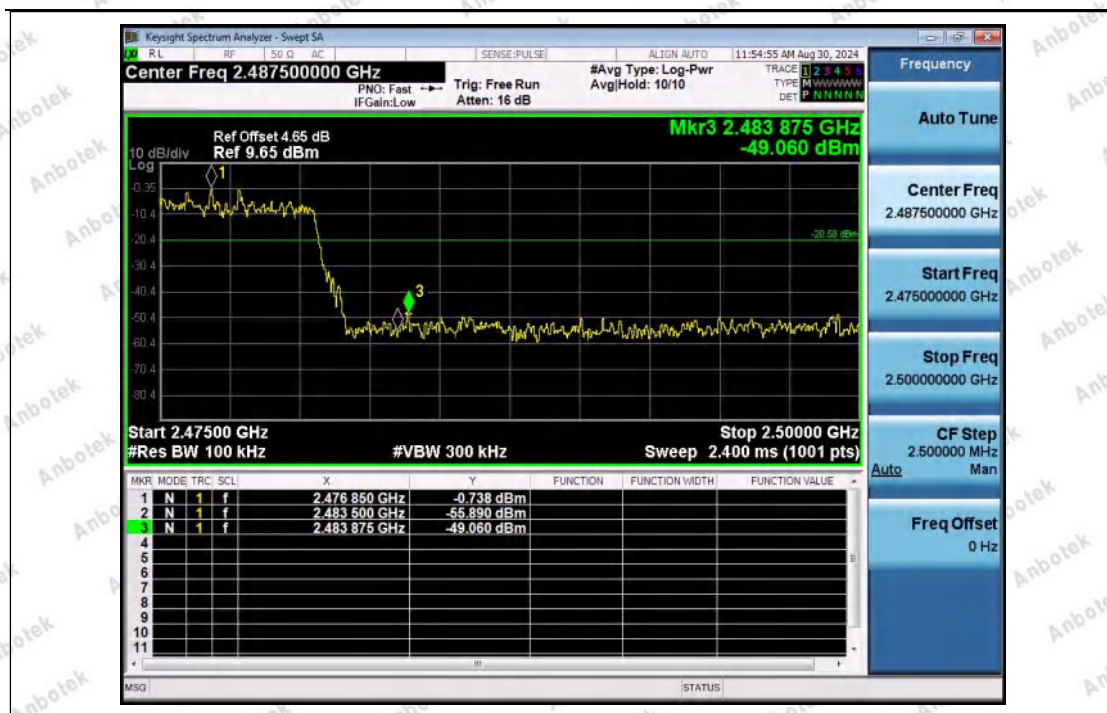


1_Reference_Level_Hopping_NVNT_ANT1_3-DH5_Hopping



2_Band_Edge_(Hopping)_NVNT_ANT1_3-DH5_Hopping





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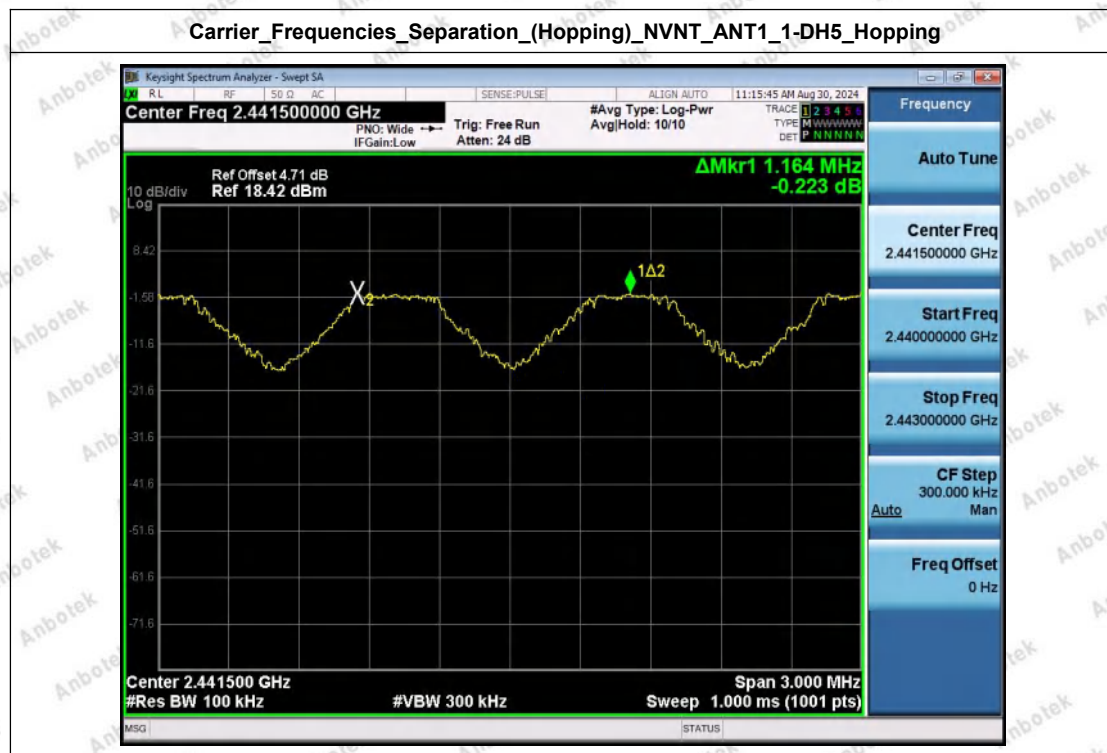


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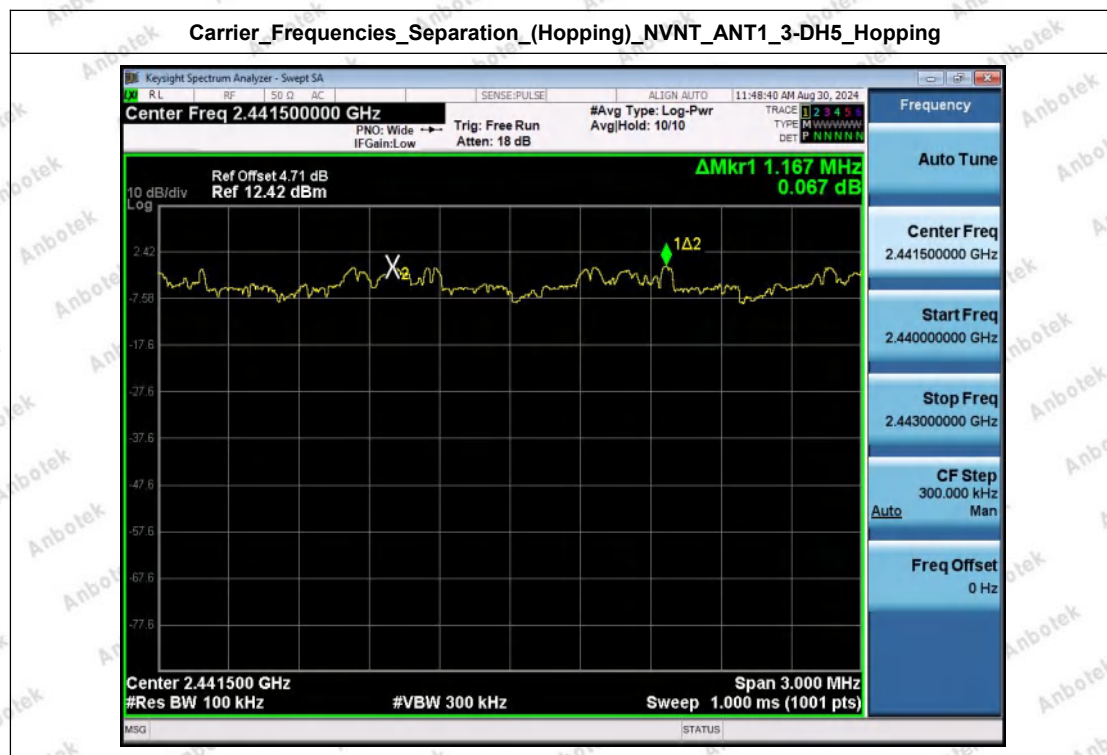
Appendix G: Carrier Frequencies Separation (Hopping)

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	2440.849	2442.013	1.16	0.704	Pass
NVNT	ANT1	2-DH5	2441.00	2441.035	2442.016	0.98	0.893	Pass
NVNT	ANT1	3-DH5	2441.00	2440.999	2442.166	1.17	0.868	Pass

Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_1-DH5_Hopping**Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH5_Hopping**



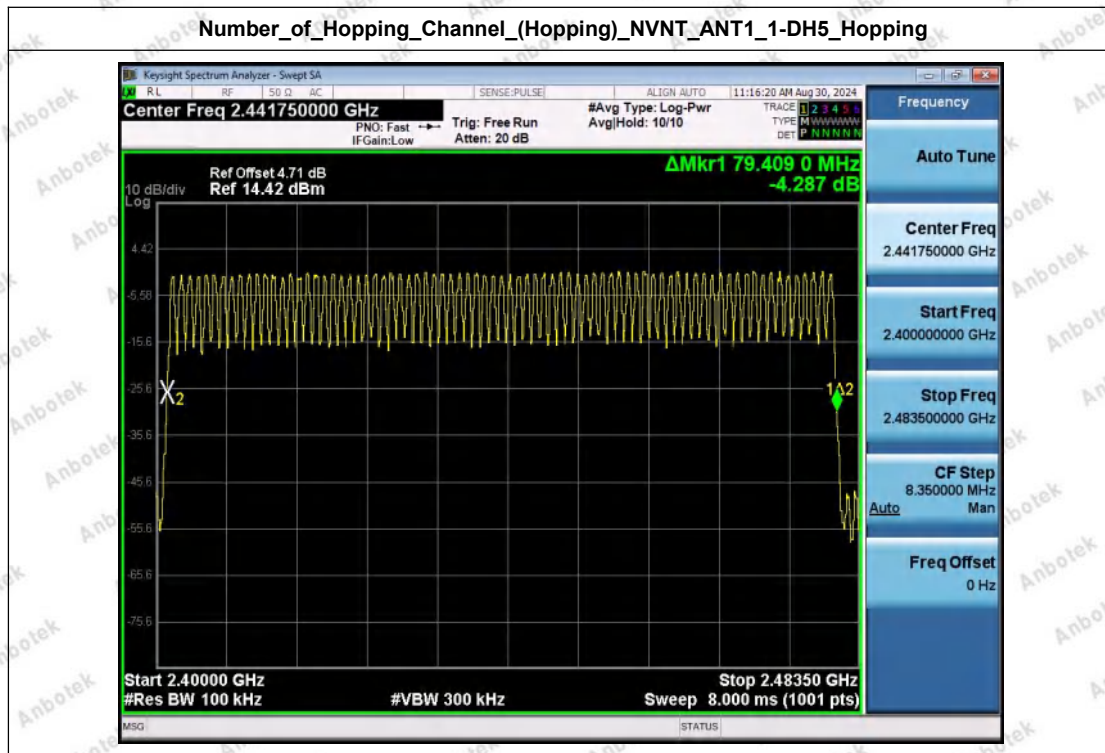
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_3-DH5_Hopping



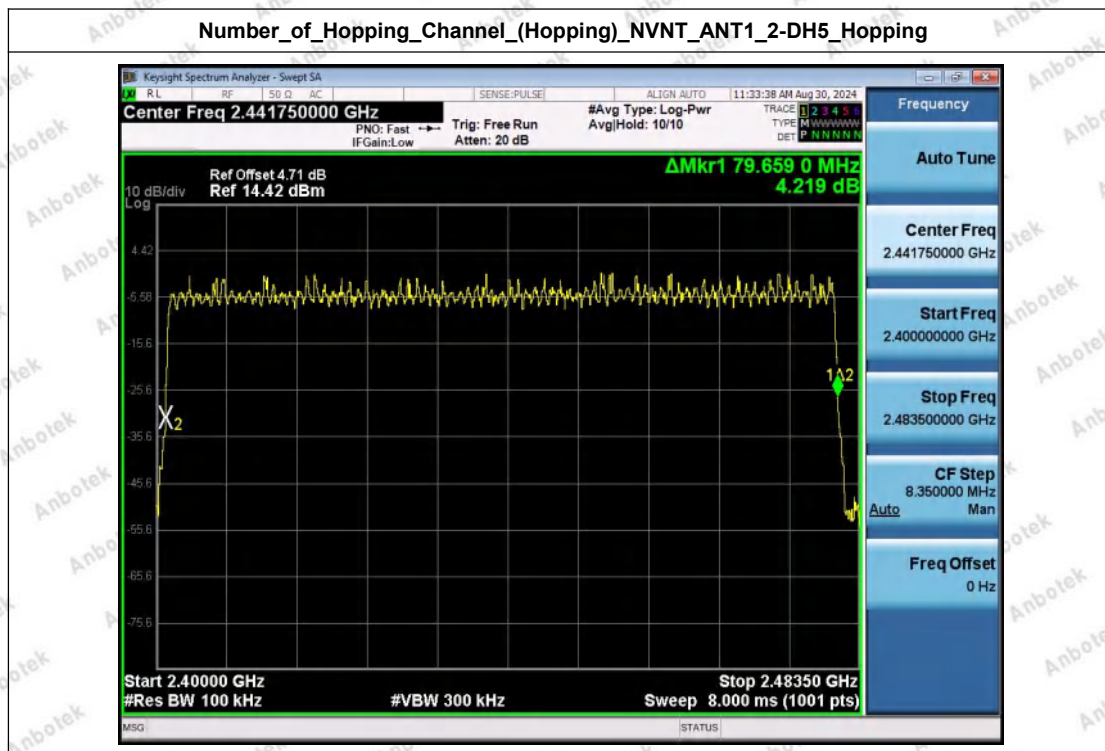
Appendix H: Number of Hopping Channel (Hopping)

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

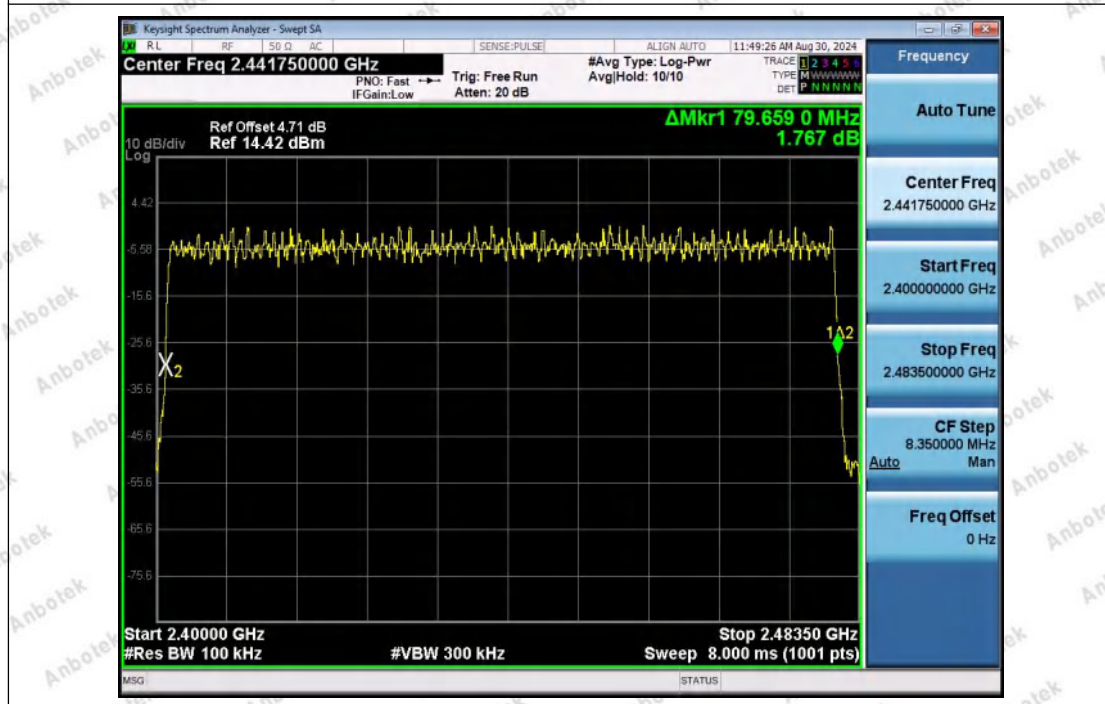
Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_1-DH5_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_2-DH5_Hopping



Number_of_Hopping_Channel_(Hopping)_NVNT_ANT1_3-DH5_Hopping



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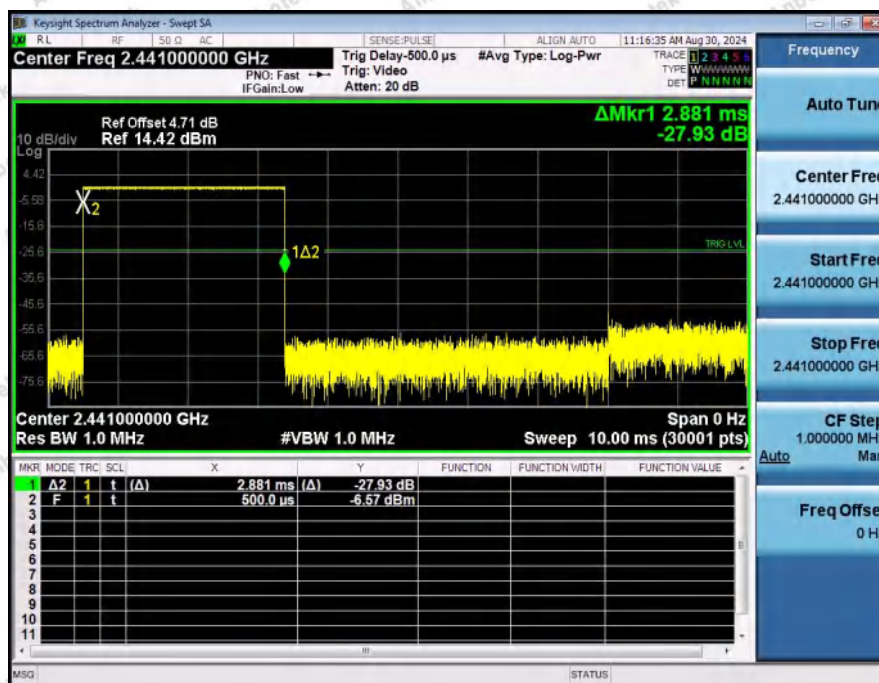


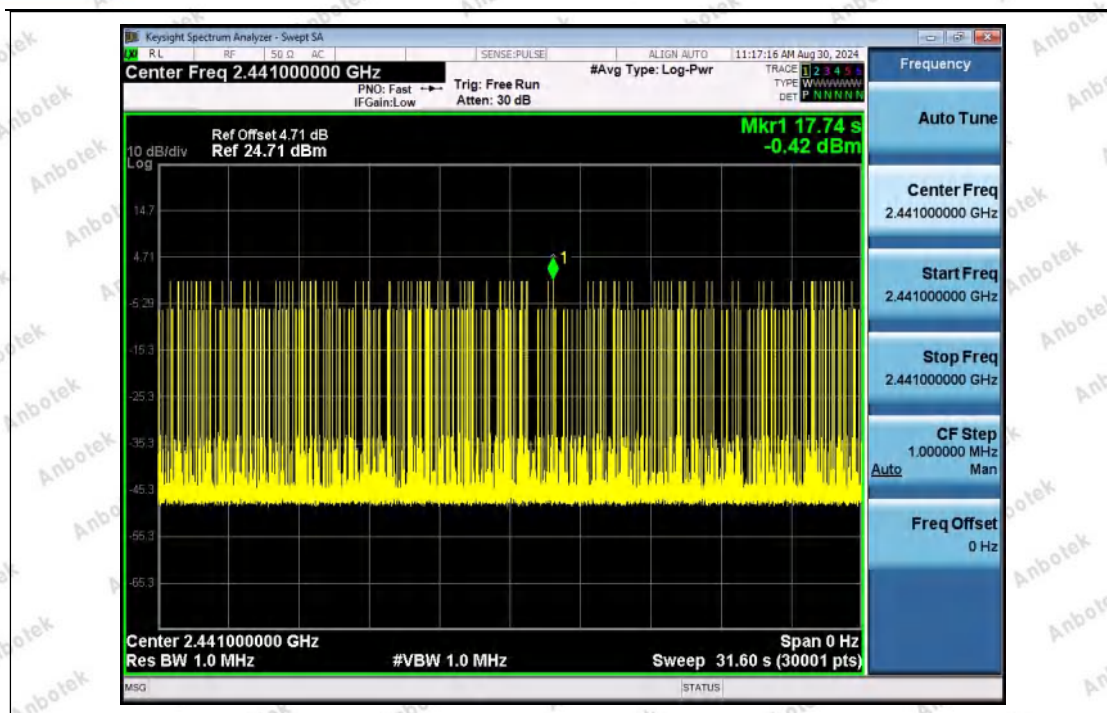
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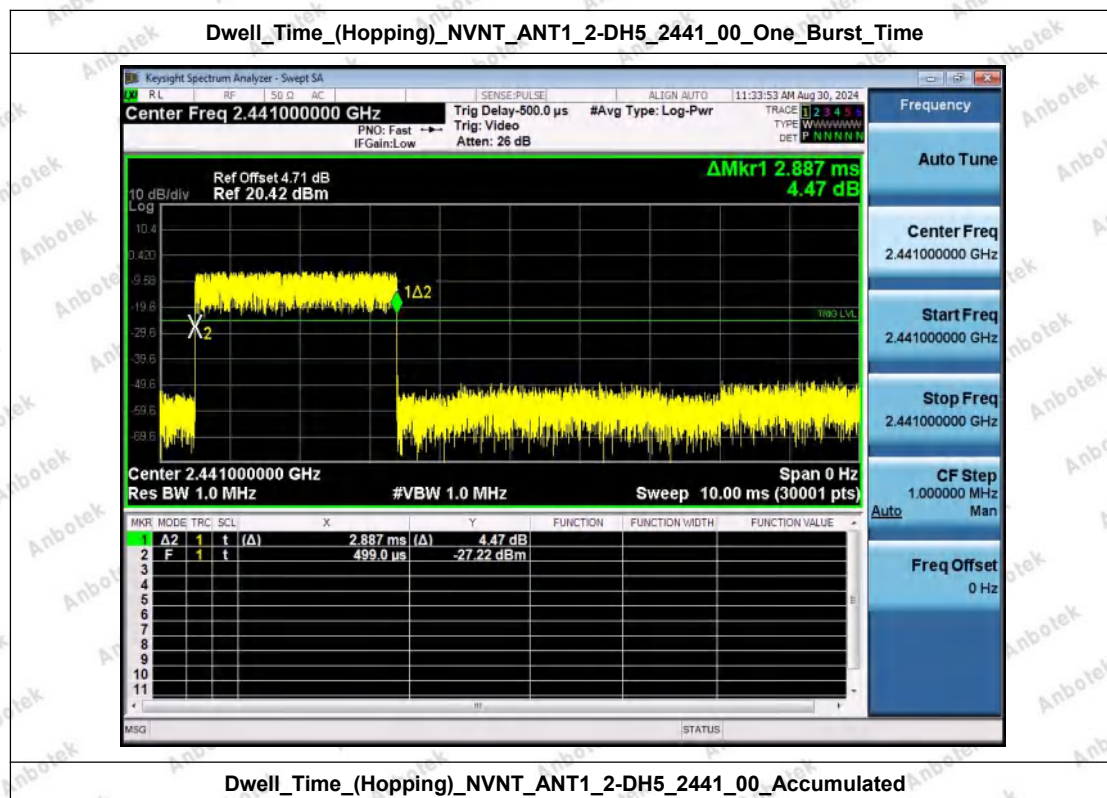
Appendix I: Dwell Time (Hopping)

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH5	2.881	110.00	316.910	0.40	Pass
NVNT	ANT1	2-DH5	2.887	106.00	306.022	0.40	Pass
NVNT	ANT1	3-DH5	0.314	103.00	32.342	0.40	Pass
NVNT	ANT1	1-DH1	0.377	319.00	120.263	0.40	Pass
NVNT	ANT1	1-DH3	1.633	163.00	266.179	0.40	Pass
NVNT	ANT1	2-DH1	0.387	320.00	123.840	0.40	Pass
NVNT	ANT1	2-DH3	0.134	166.00	22.244	0.40	Pass
NVNT	ANT1	3-DH3	1.638	165.00	270.270	0.40	Pass
NVNT	ANT1	3-DH1	0.388	319.00	123.772	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**

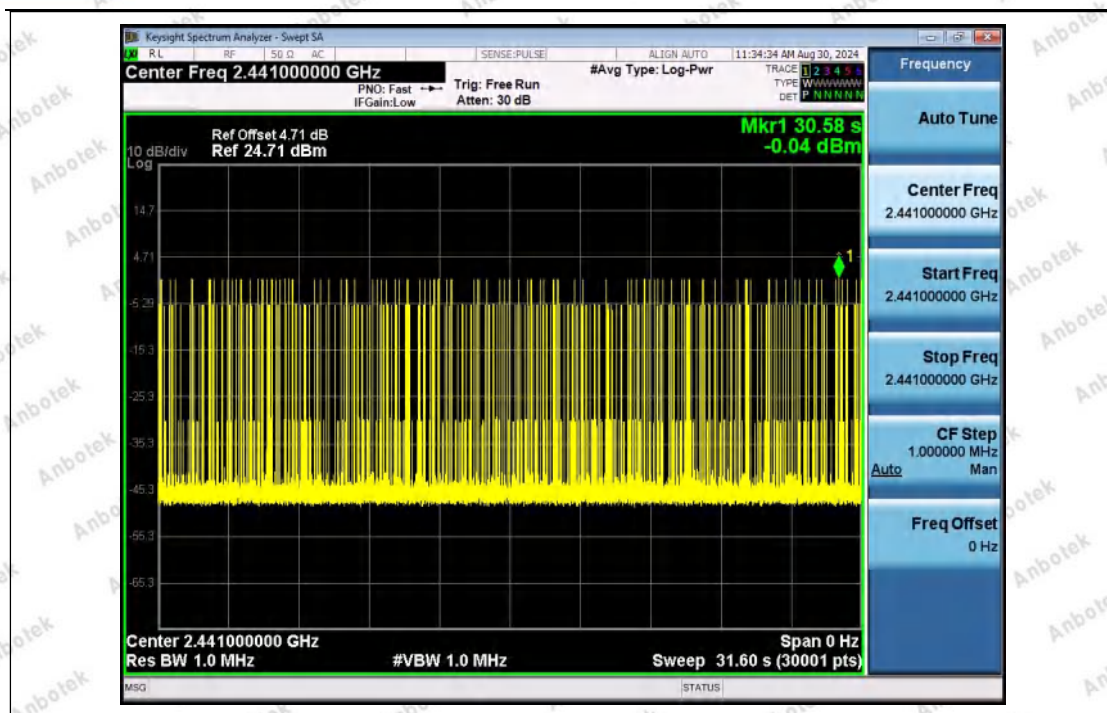


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_One_Burst_Time

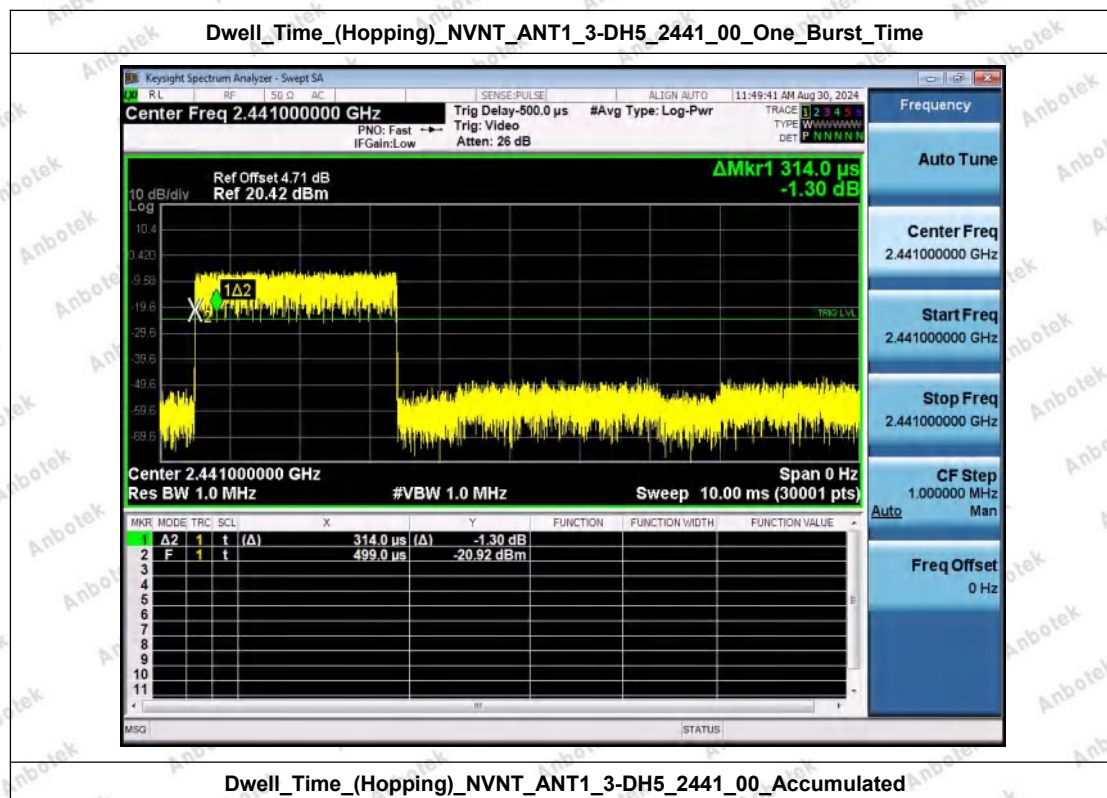


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_Accumulated



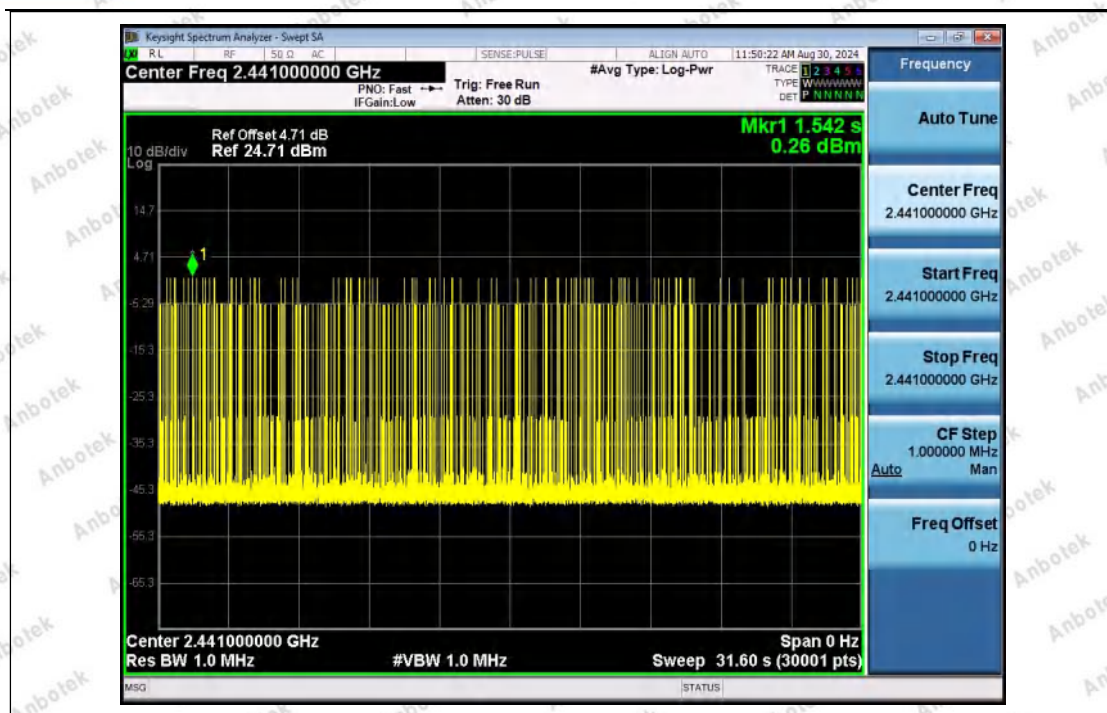


Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_One_Burst_Time

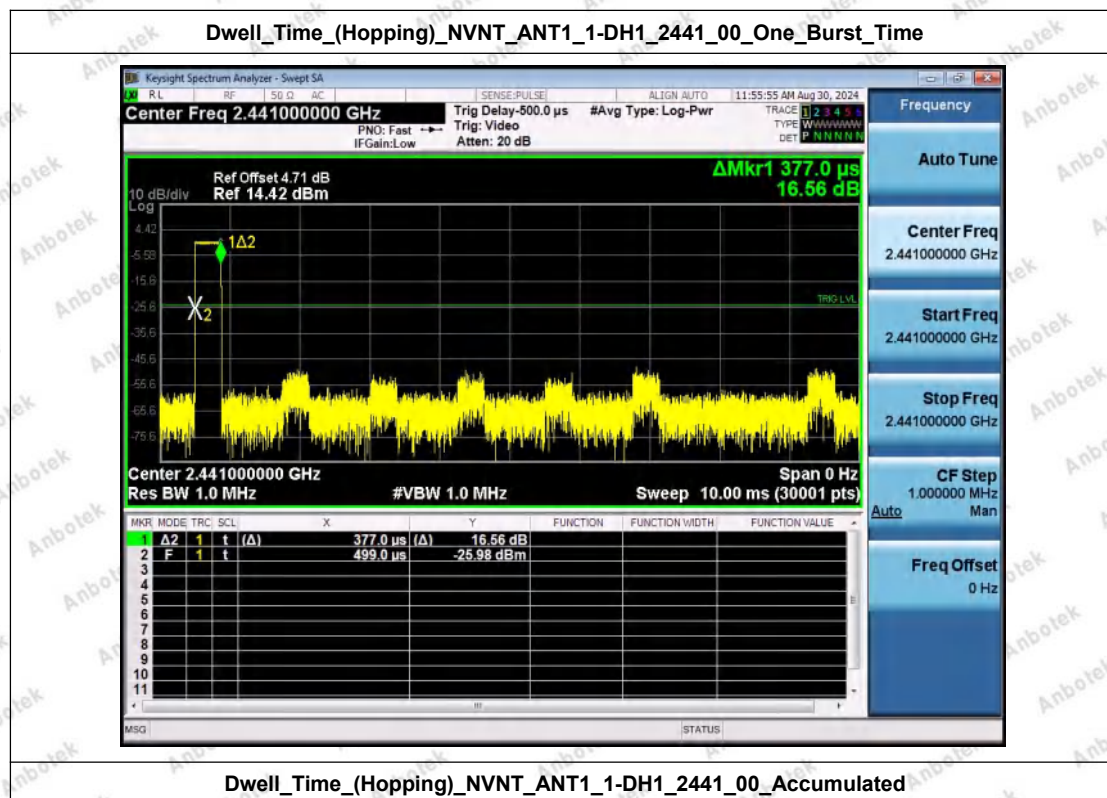


Dwell_Time_(Hopping)_NVNT_ANT1_3-DH5_2441_00_Accumulated



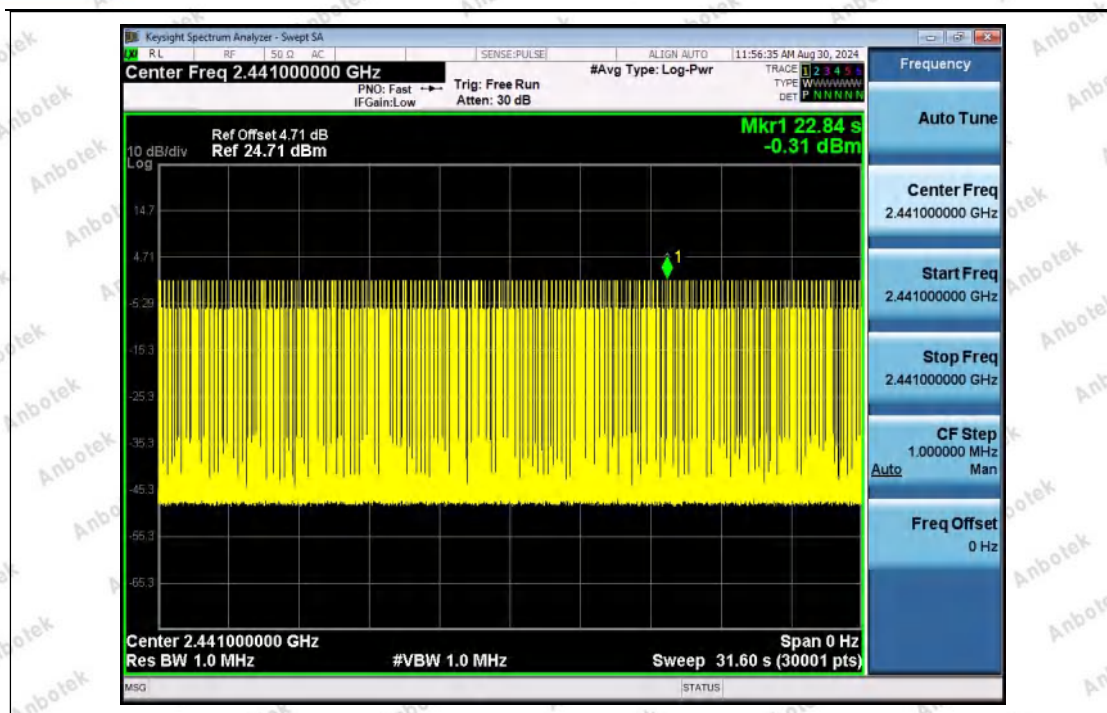


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH1_2441_00_One_Burst_Time

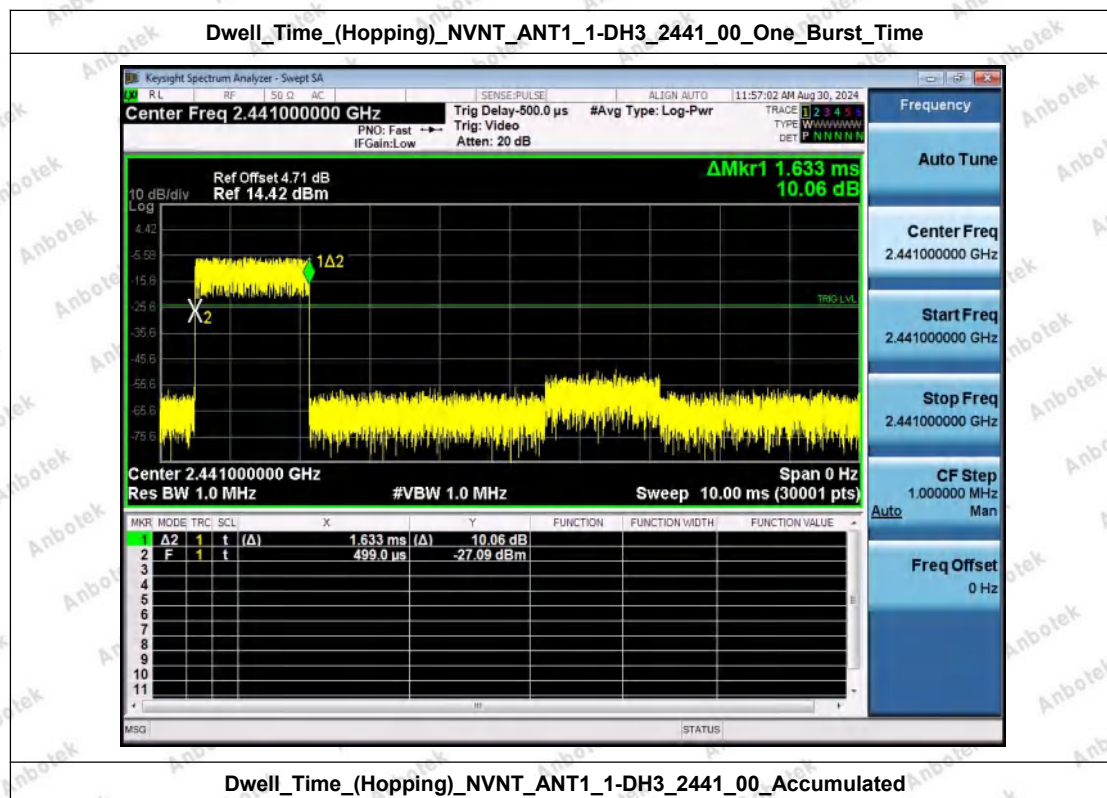


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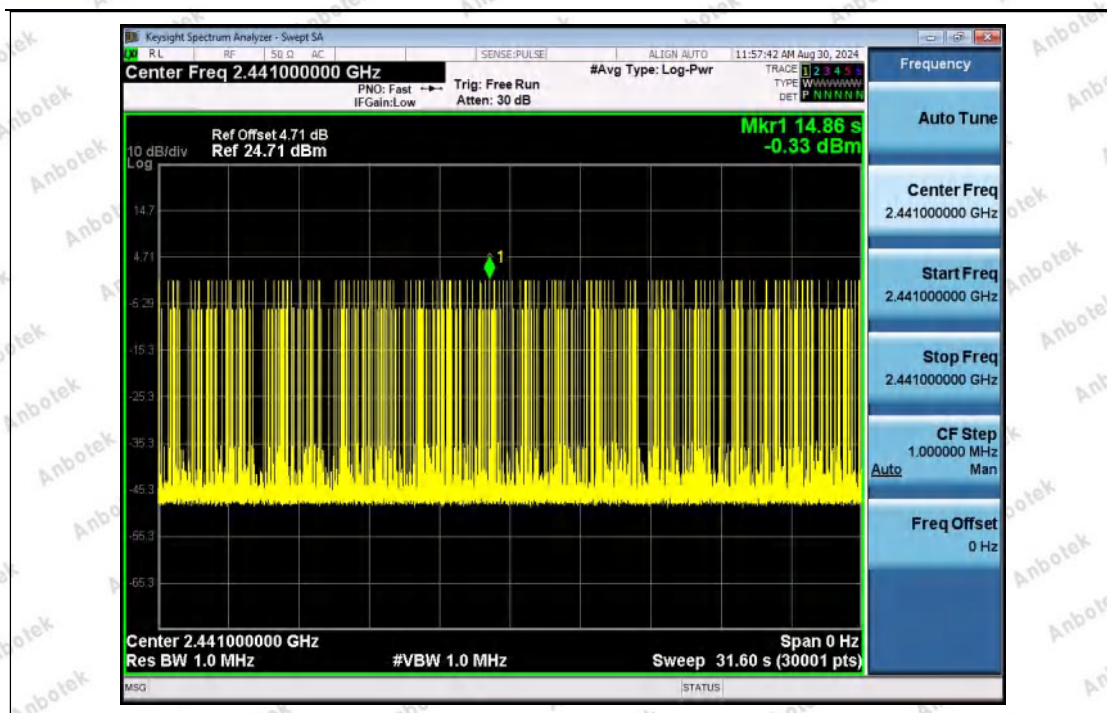


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH3_2441_00_One_Burst_Time

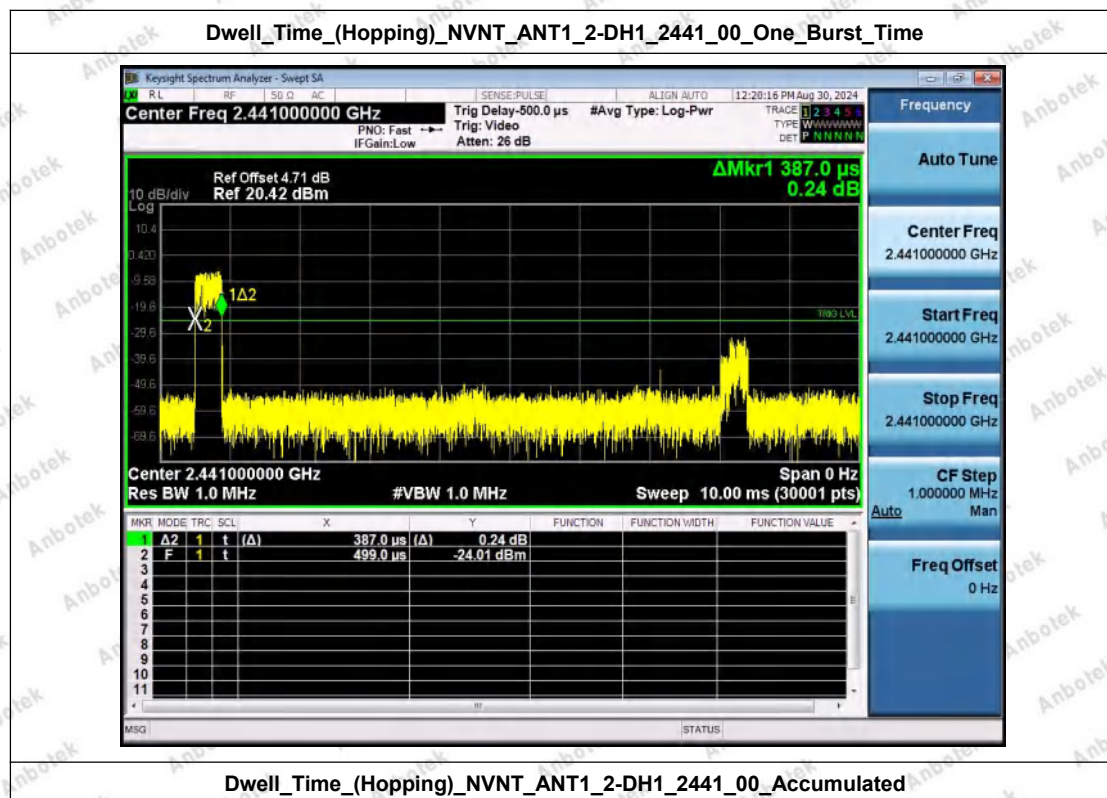


Dwell_Time_(Hopping)_NVNT_ANT1_1-DH3_2441_00_Accumulated



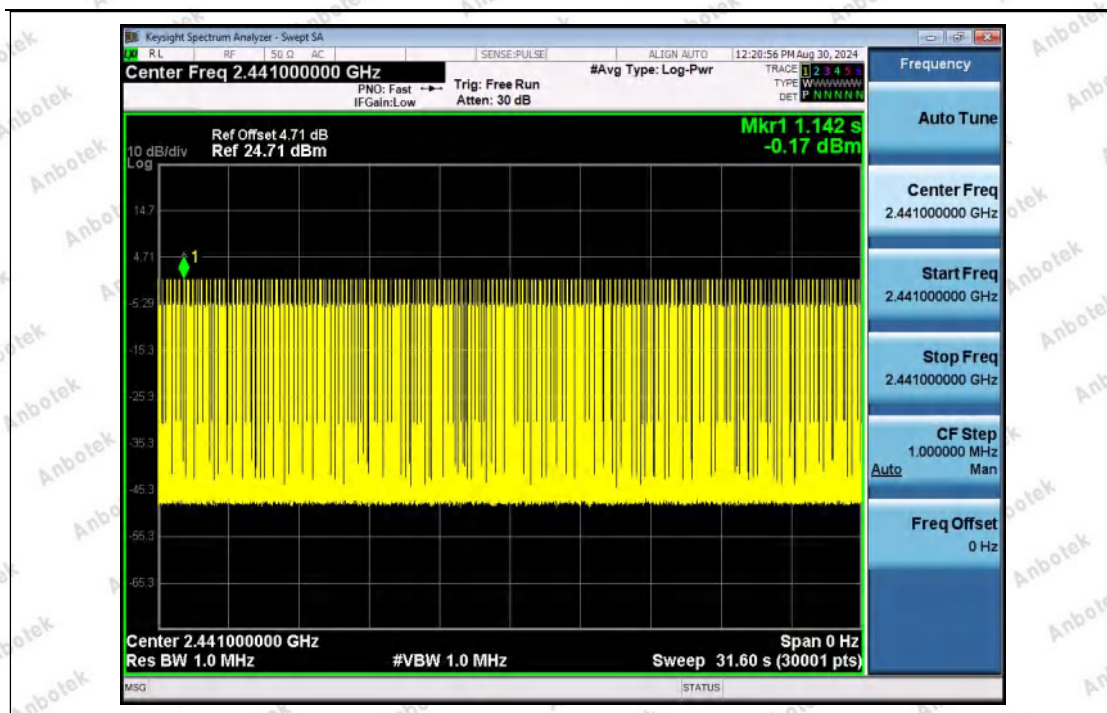


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH1_2441_00_One_Burst_Time

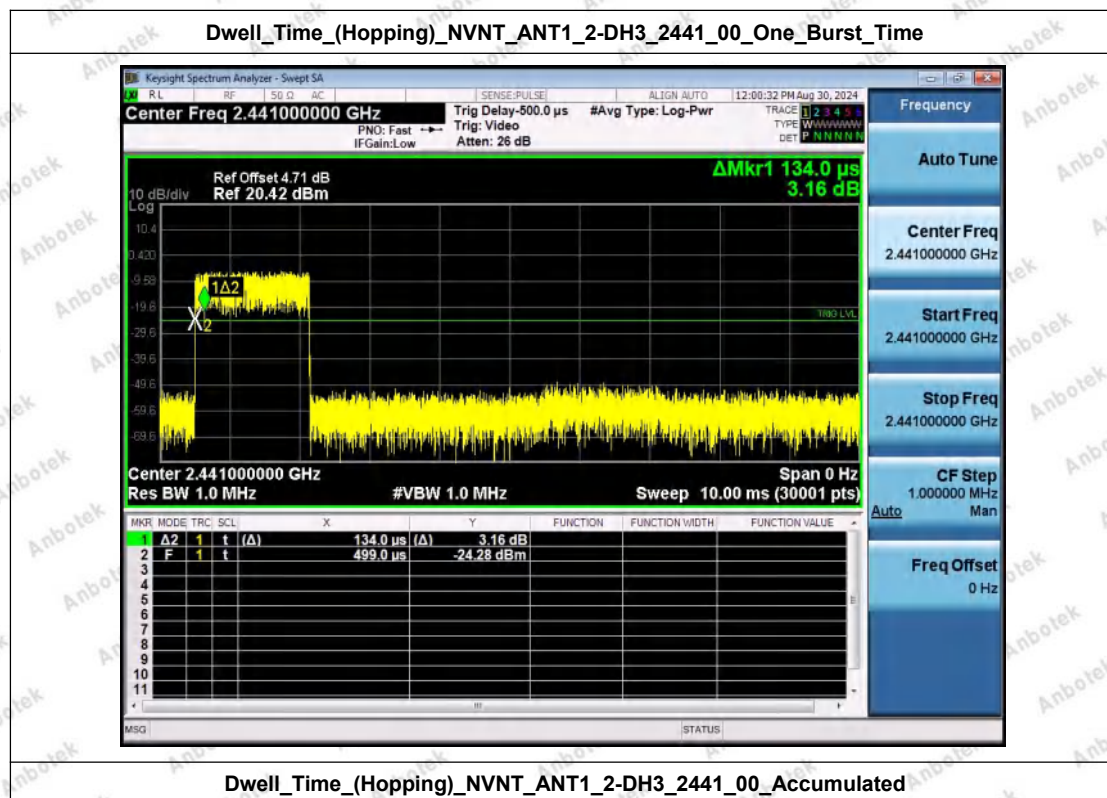


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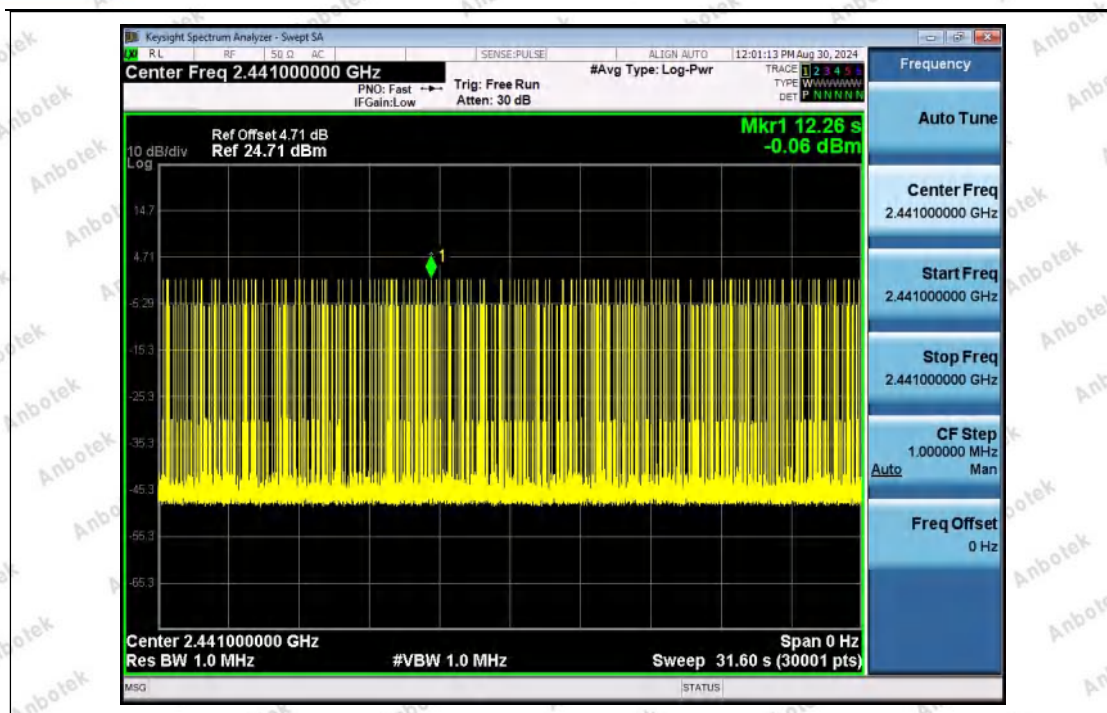


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH3_2441_00_One_Burst_Time

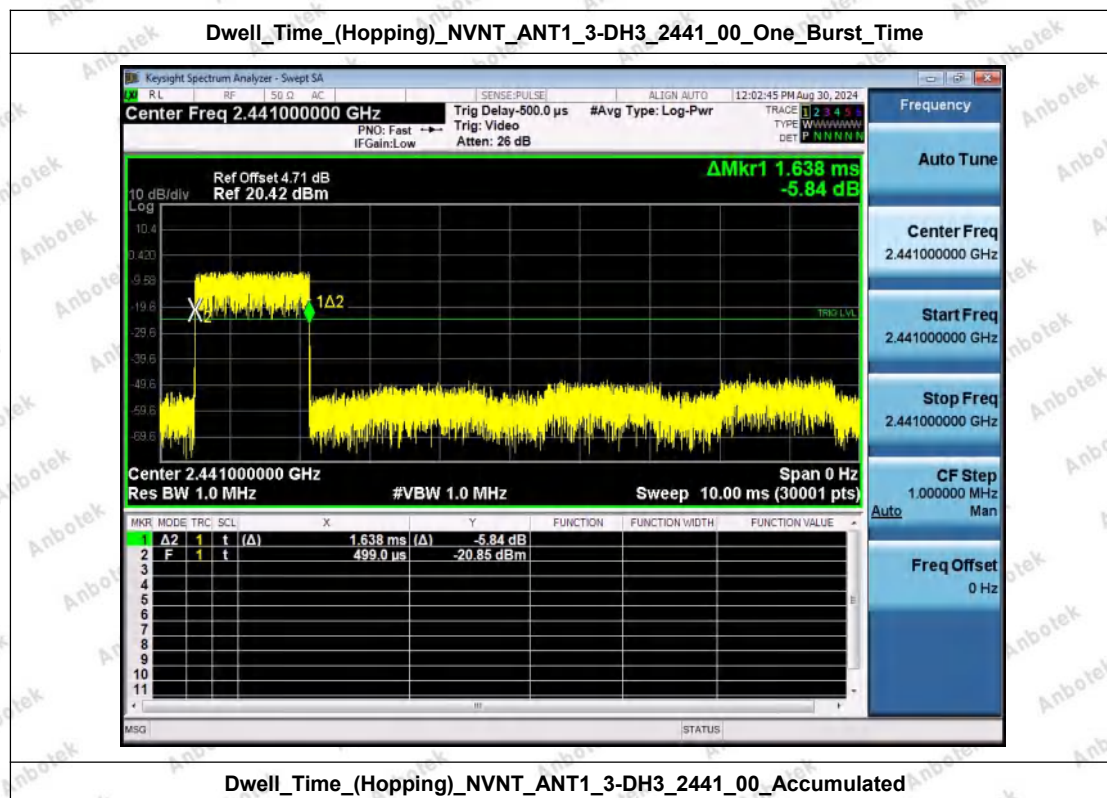


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH3_2441_00_Accumulated



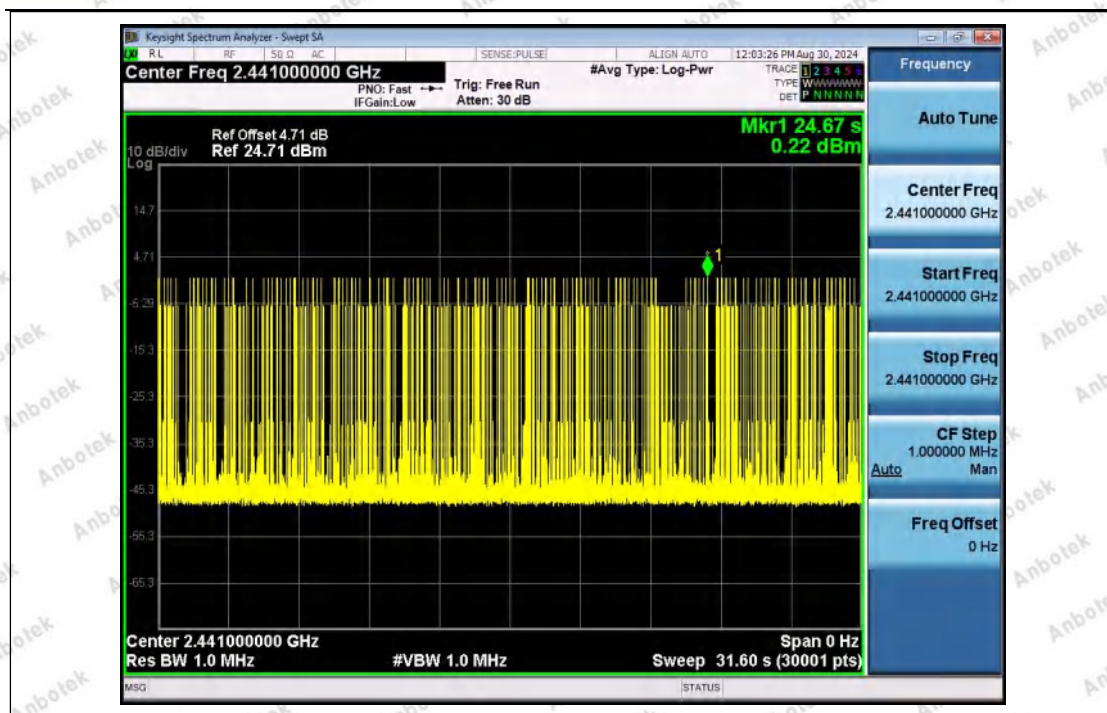


Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_One_Burst_Time

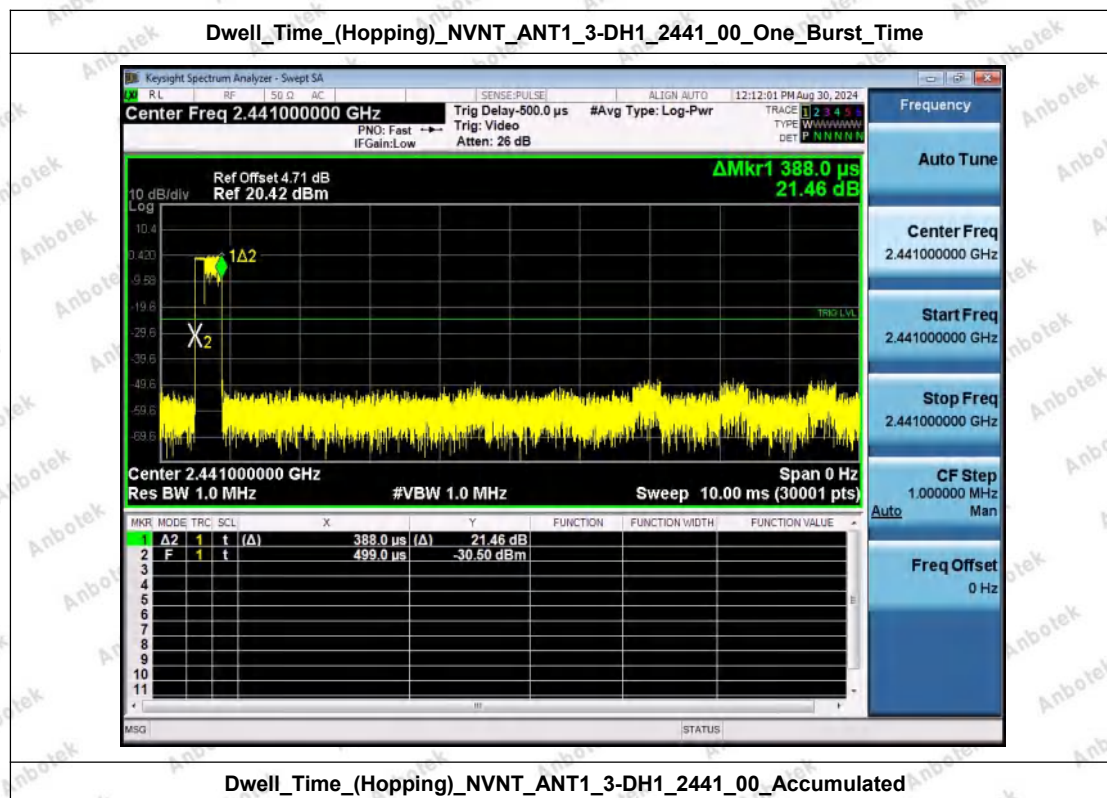


Dwell_Time_(Hopping)_NVNT_ANT1_3-DH3_2441_00_Accumulated



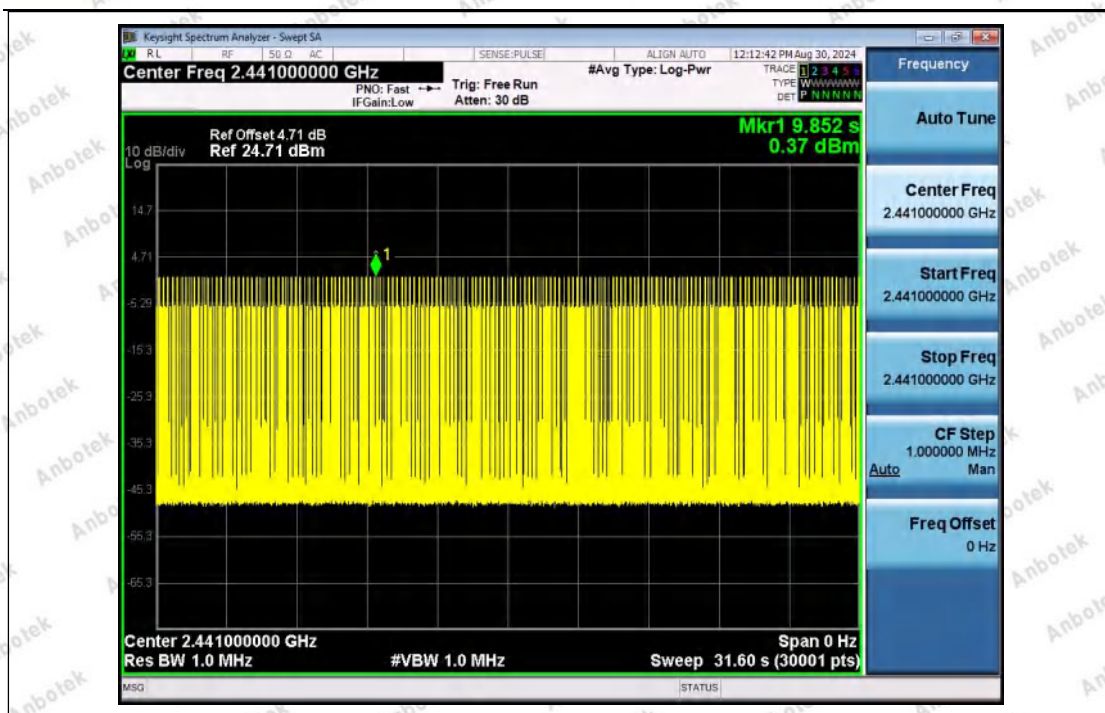


Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_One_Burst_Time



Dwell_Time_(Hopping)_NVNT_ANT1_3-DH1_2441_00_Accumulated





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