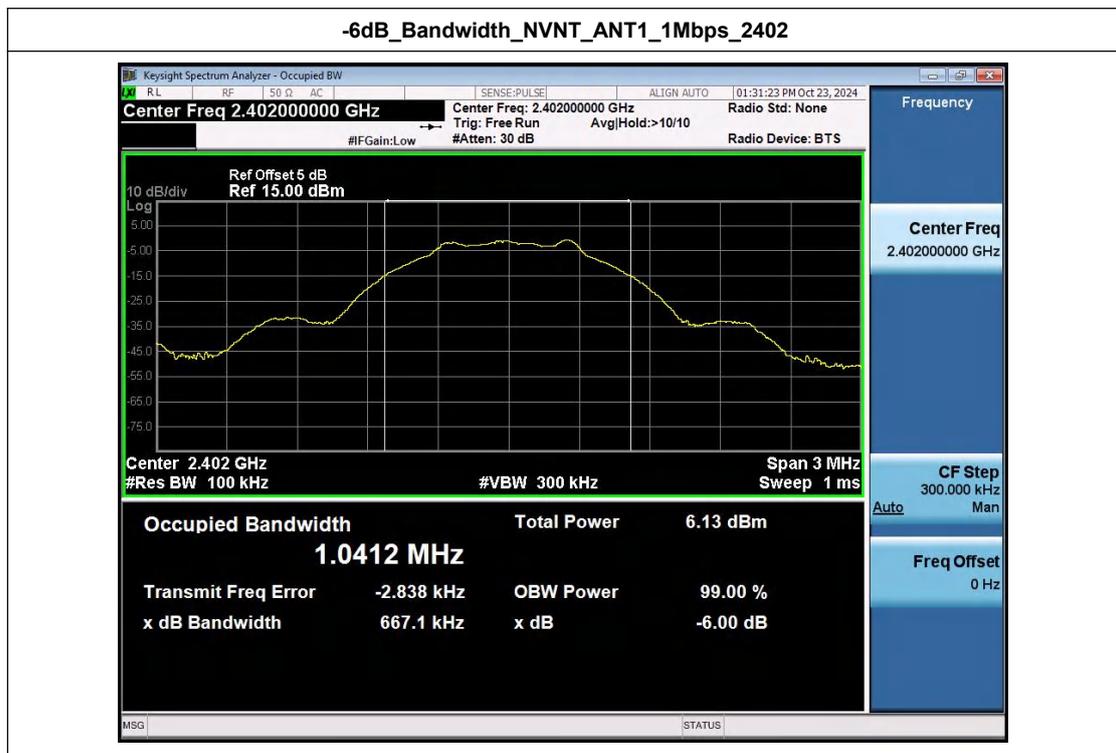


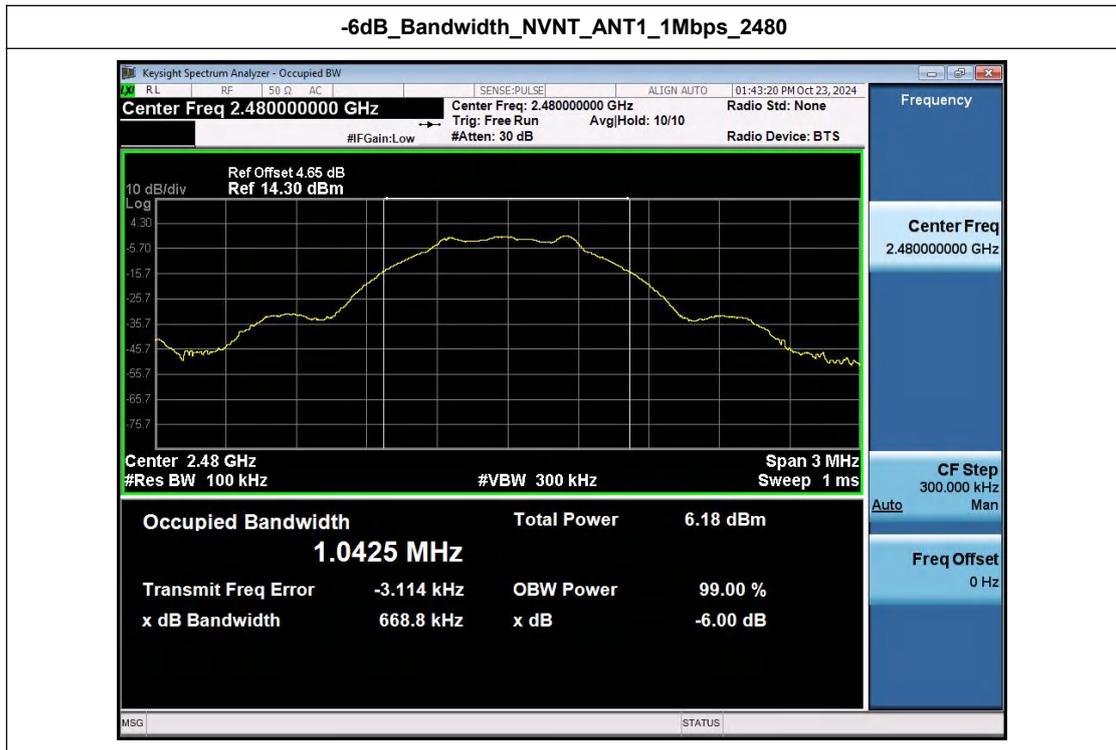
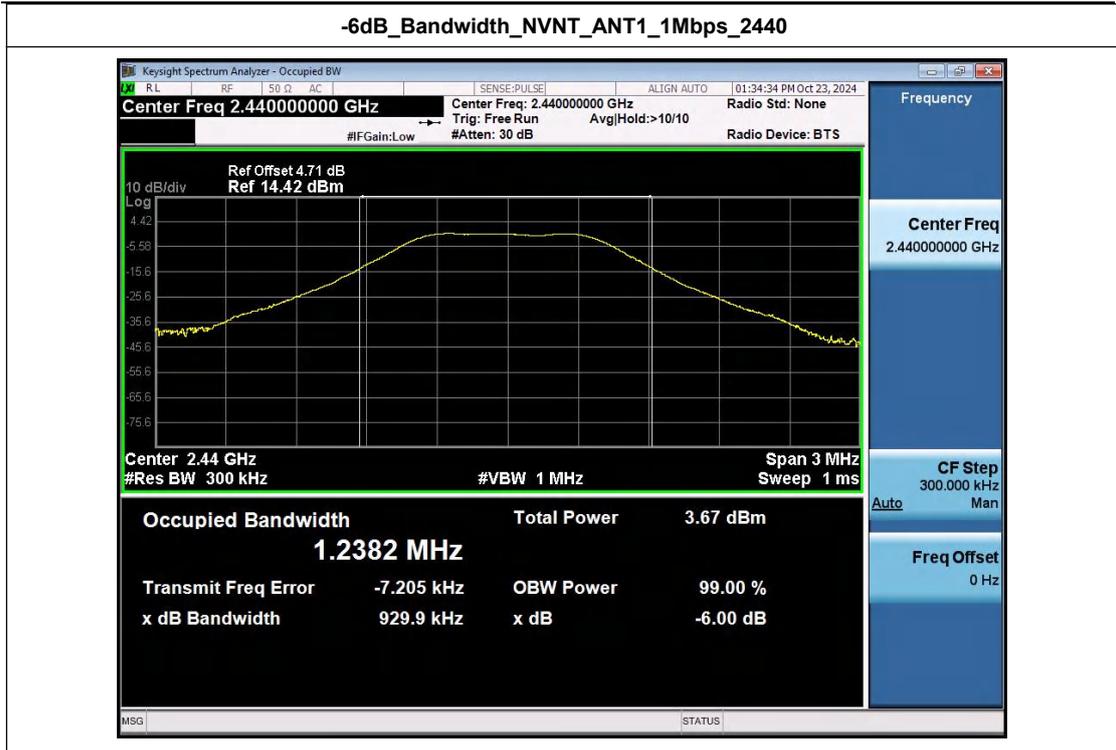
### Appendix Test Data

Report No.:	1812C40109212502	Test Sample No.:	1-2-2
Start Test Date:	2024.10.23	Finish Test Date:	2024.10.23
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.7°C	Relative Humidity:	57%
Pressure:	101kPa		

### Appendix A: -6dB Bandwidth

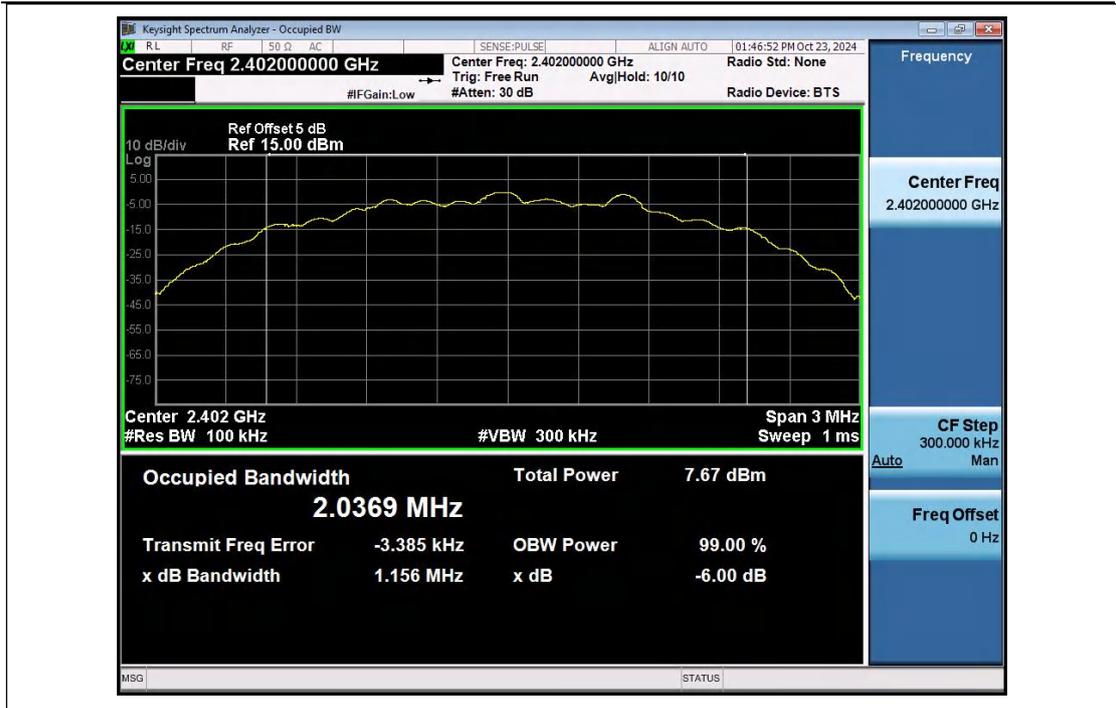
Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402.00	667.06	500	Pass
NVNT	ANT1	1Mbps	2440.00	929.90	500	Pass
NVNT	ANT1	1Mbps	2480.00	668.80	500	Pass
NVNT	ANT1	2Mbps	2402.00	1156.49	500	Pass
NVNT	ANT1	2Mbps	2440.00	1176.73	500	Pass
NVNT	ANT1	2Mbps	2480.00	1161.32	500	Pass



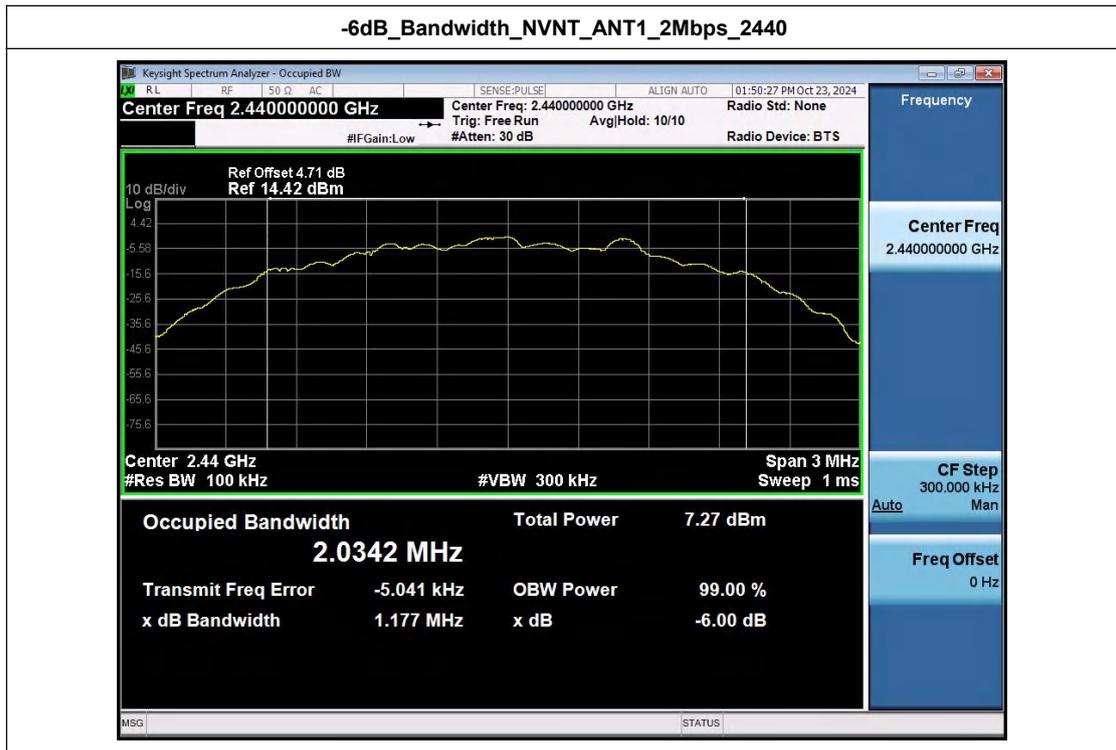


**-6dB\_Bandwidth\_NVNT\_ANT1\_2Mbps\_2402**



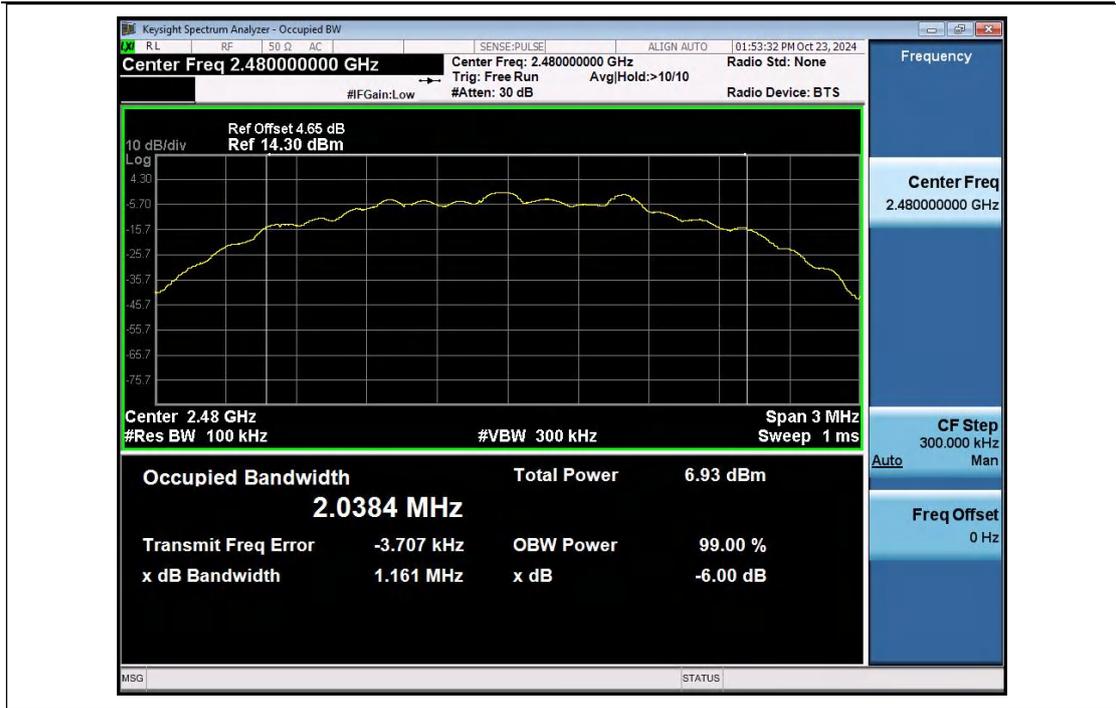


-6dB\_Bandwidth\_NVNT\_ANT1\_2Mbps\_2440



-6dB\_Bandwidth\_NVNT\_ANT1\_2Mbps\_2480





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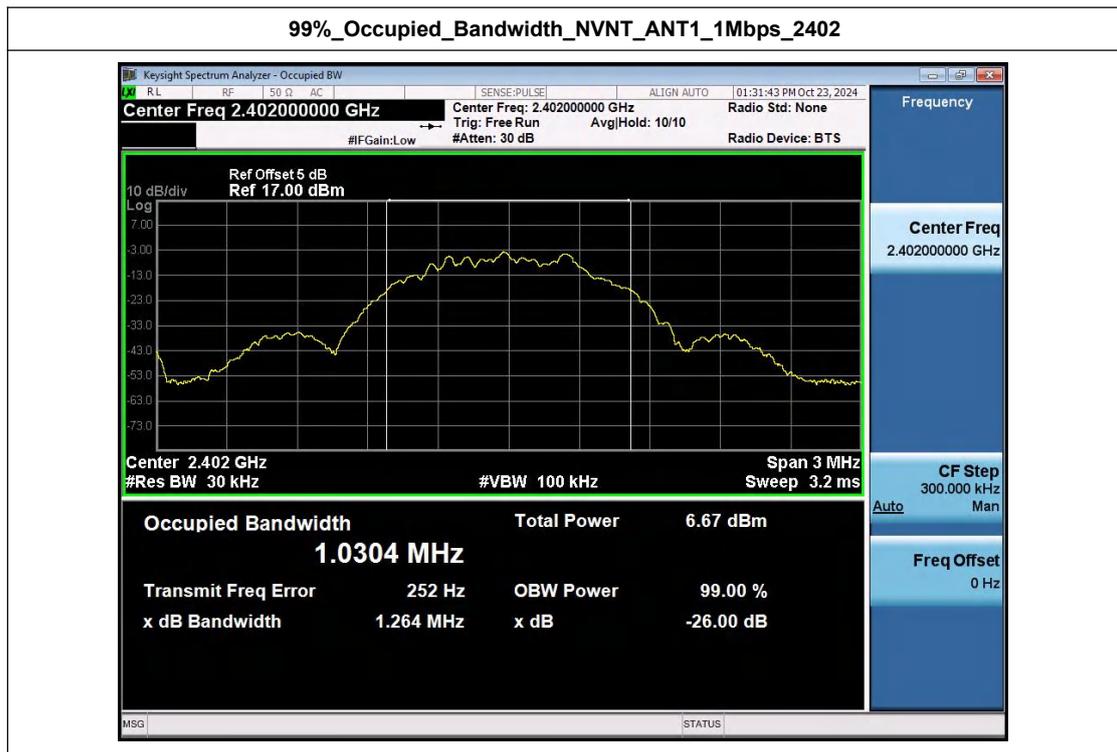
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 Tel:(86)0755-26066440 Email:service@anbotek.com

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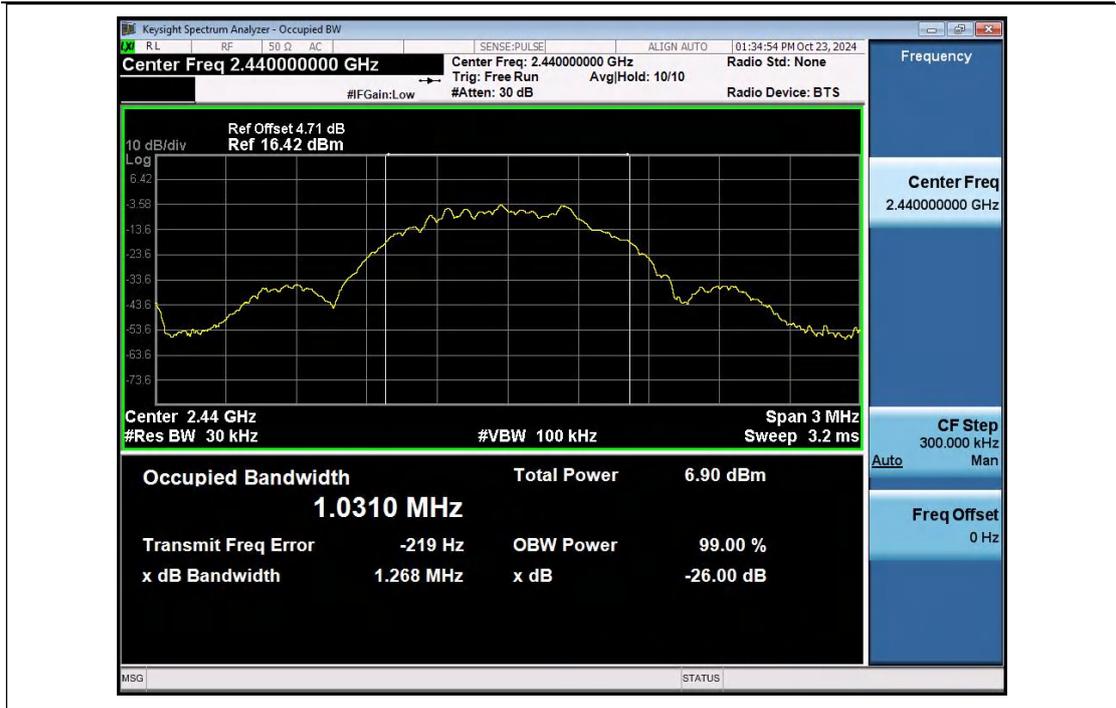
**Appendix B: 99% Occupied Bandwidth**

Condition	Antenna	Rate	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	1Mbps	2402.00	1.030
NVNT	ANT1	1Mbps	2440.00	1.031
NVNT	ANT1	1Mbps	2480.00	1.030
NVNT	ANT1	2Mbps	2402.00	2.035
NVNT	ANT1	2Mbps	2440.00	2.039
NVNT	ANT1	2Mbps	2480.00	2.036

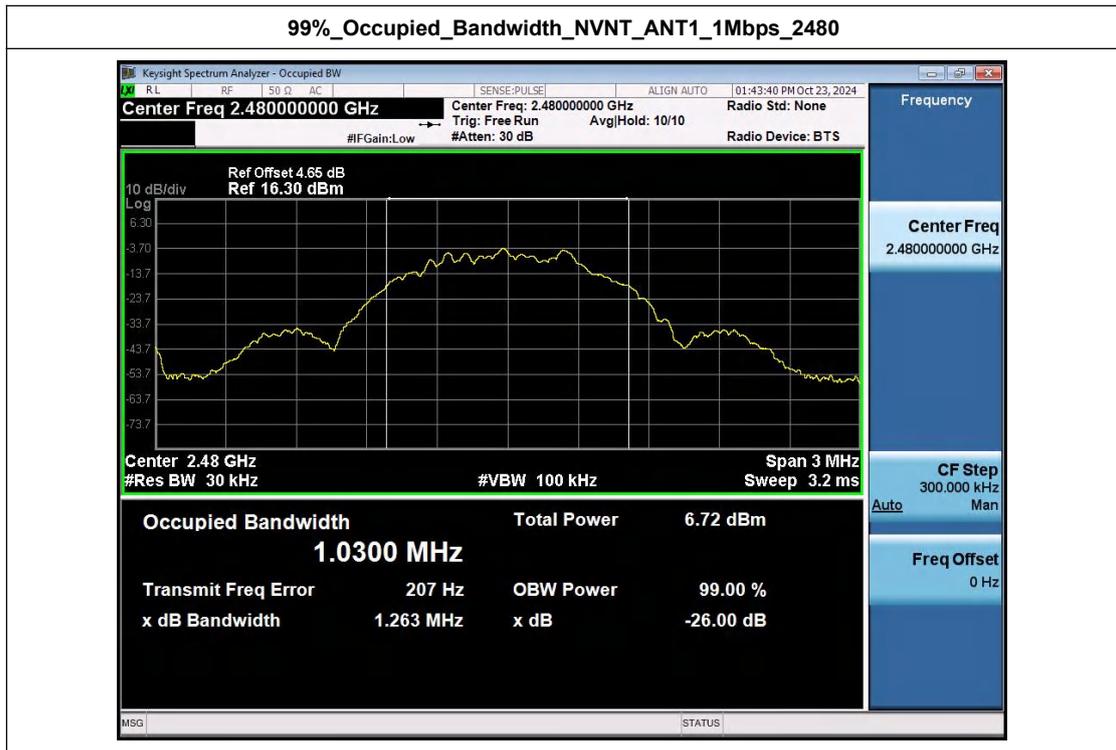


**99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_1Mbps\_2440**



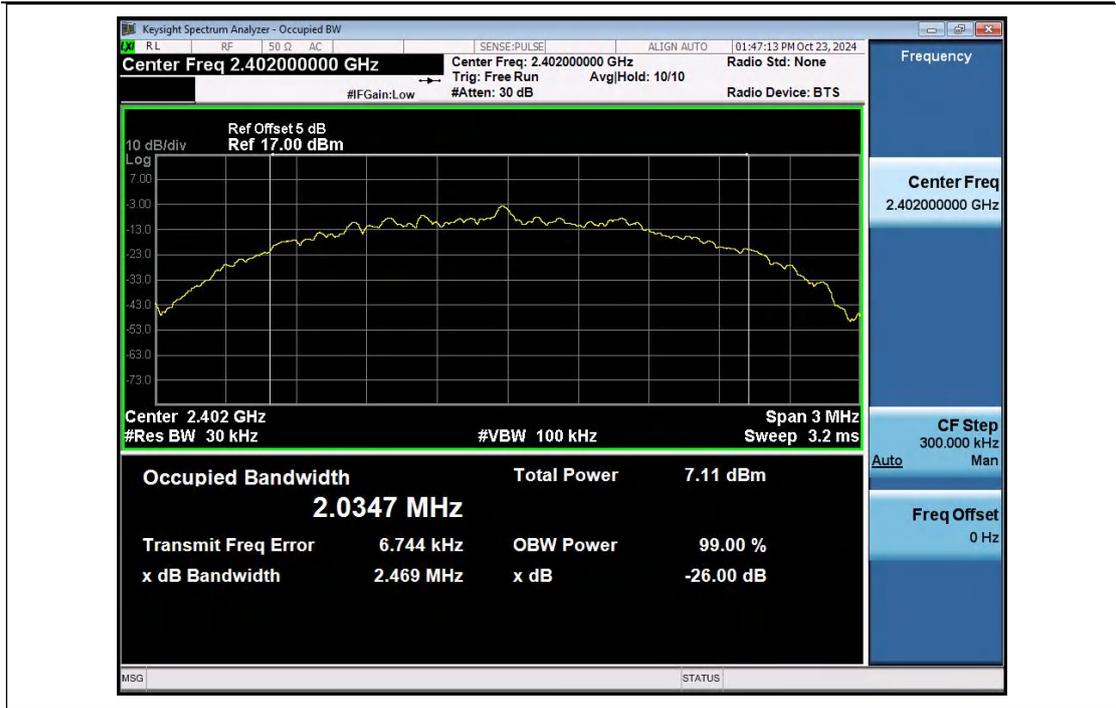


99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_1Mbps\_2480

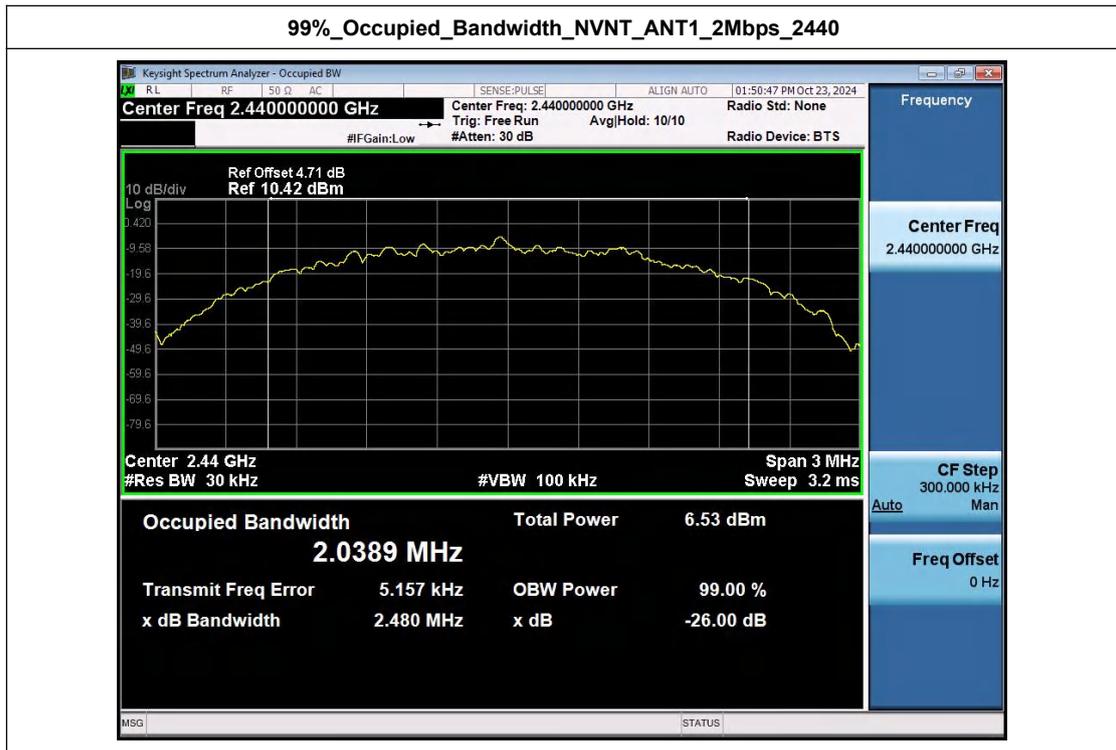


99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_2Mbps\_2402





99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_2Mbps\_2440



99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_2Mbps\_2480





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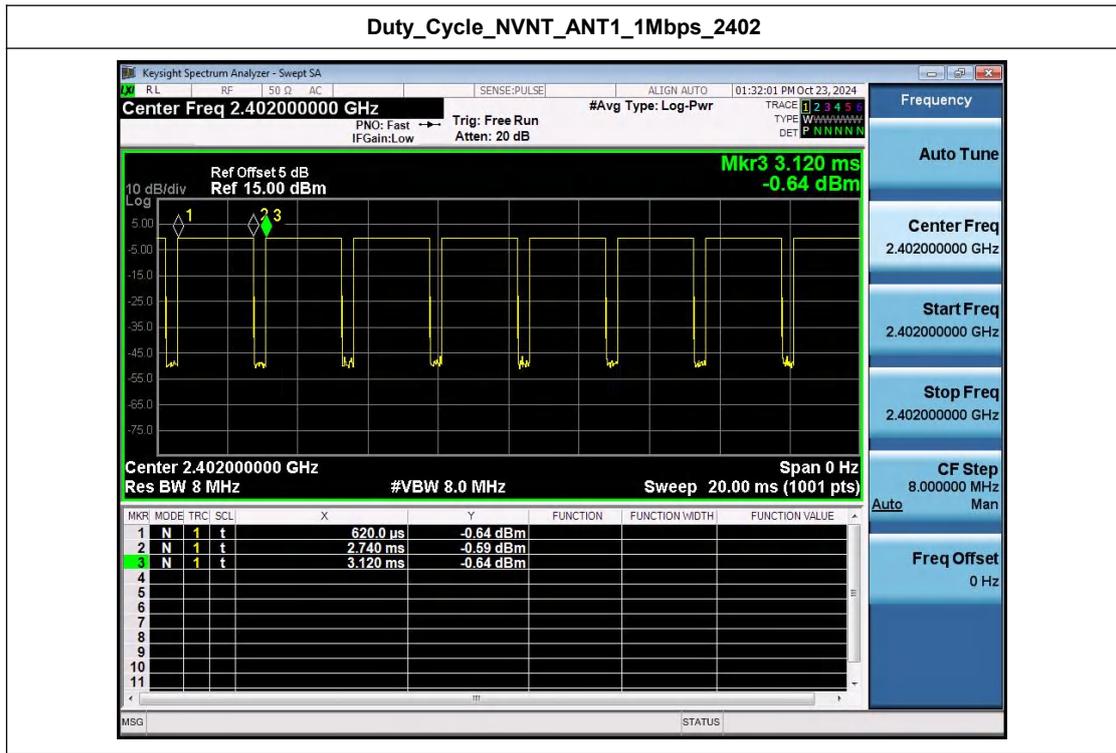
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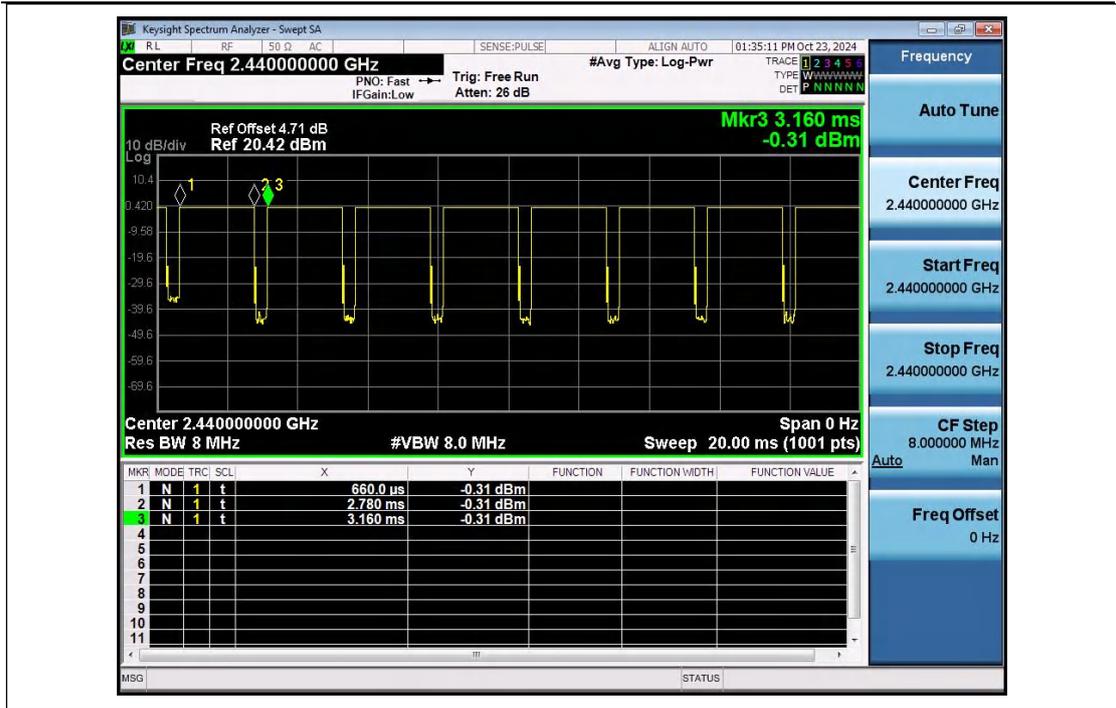
### Appendix C: Duty Cycle

Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1Mbps	2402.00	85.60	0.68
NVNT	ANT1	1Mbps	2440.00	85.60	0.68
NVNT	ANT1	1Mbps	2480.00	86.40	0.63
NVNT	ANT1	2Mbps	2402.00	44.00	3.57
NVNT	ANT1	2Mbps	2440.00	44.00	3.57
NVNT	ANT1	2Mbps	2480.00	44.80	3.49

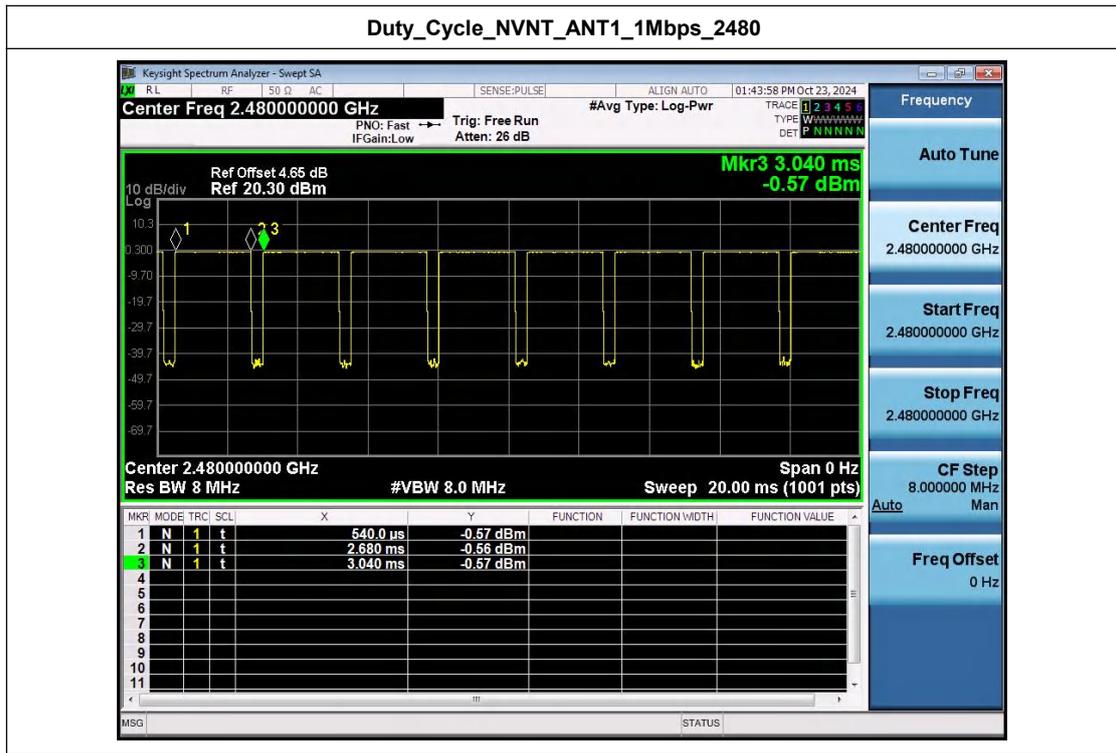


**Duty\_Cycle\_NVNT\_ANT1\_1Mbps\_2440**



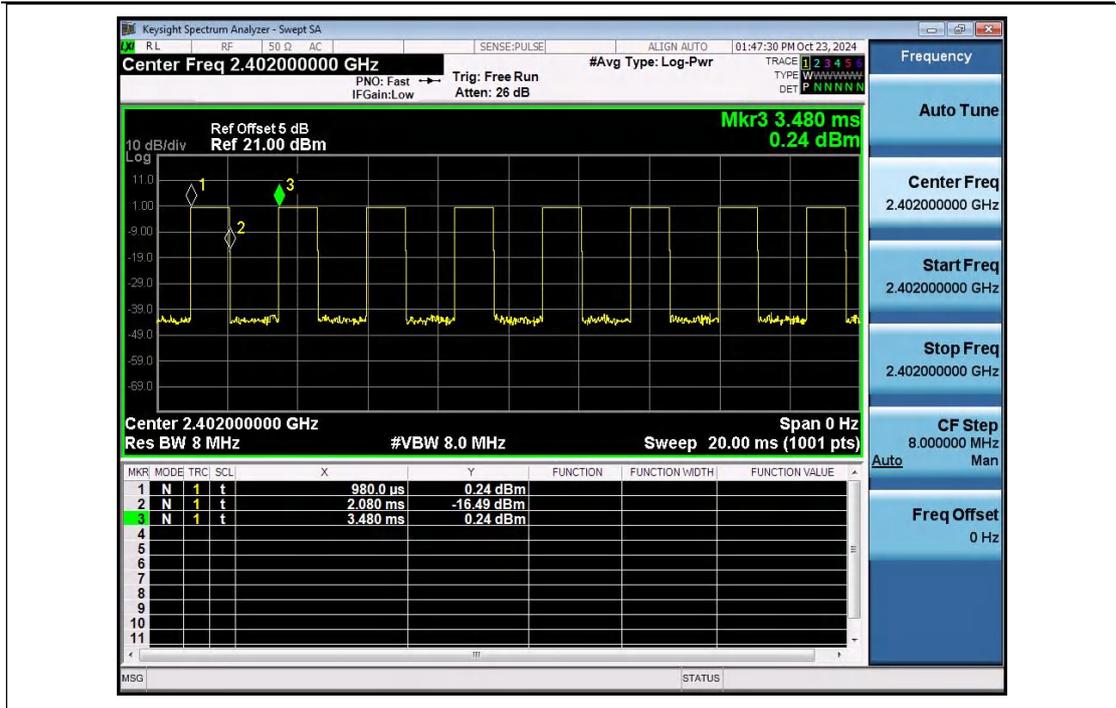


Duty\_Cycle\_NVNT\_ANT1\_1Mbps\_2480

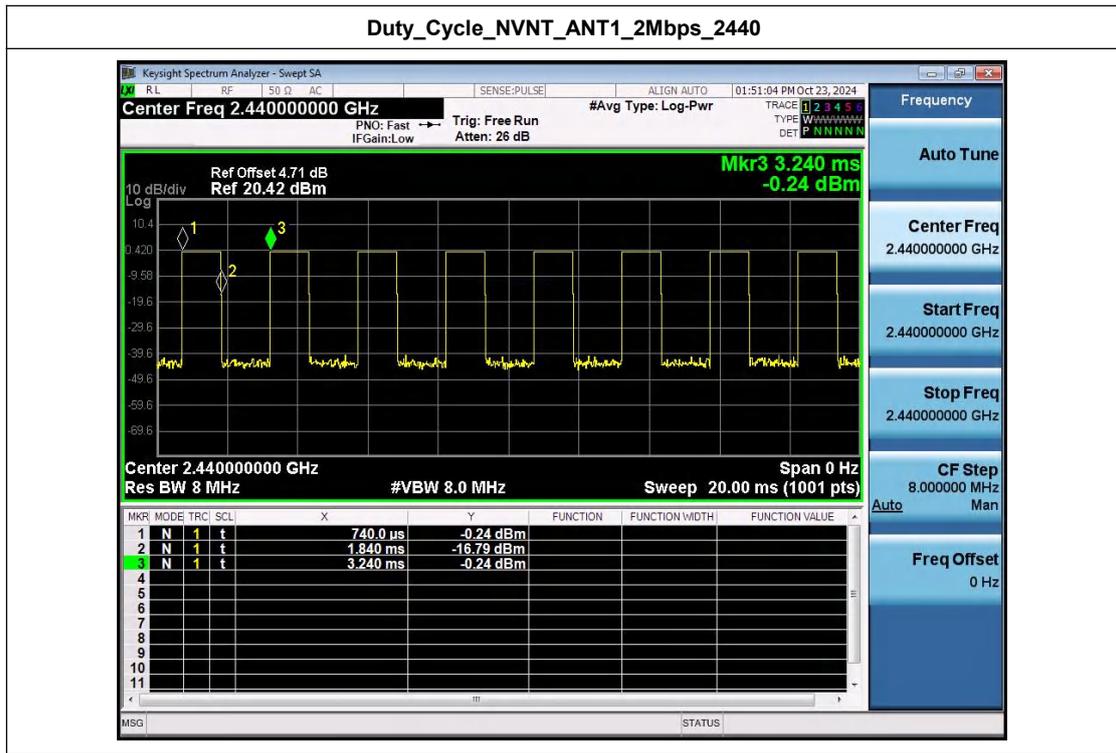


Duty\_Cycle\_NVNT\_ANT1\_2Mbps\_2402



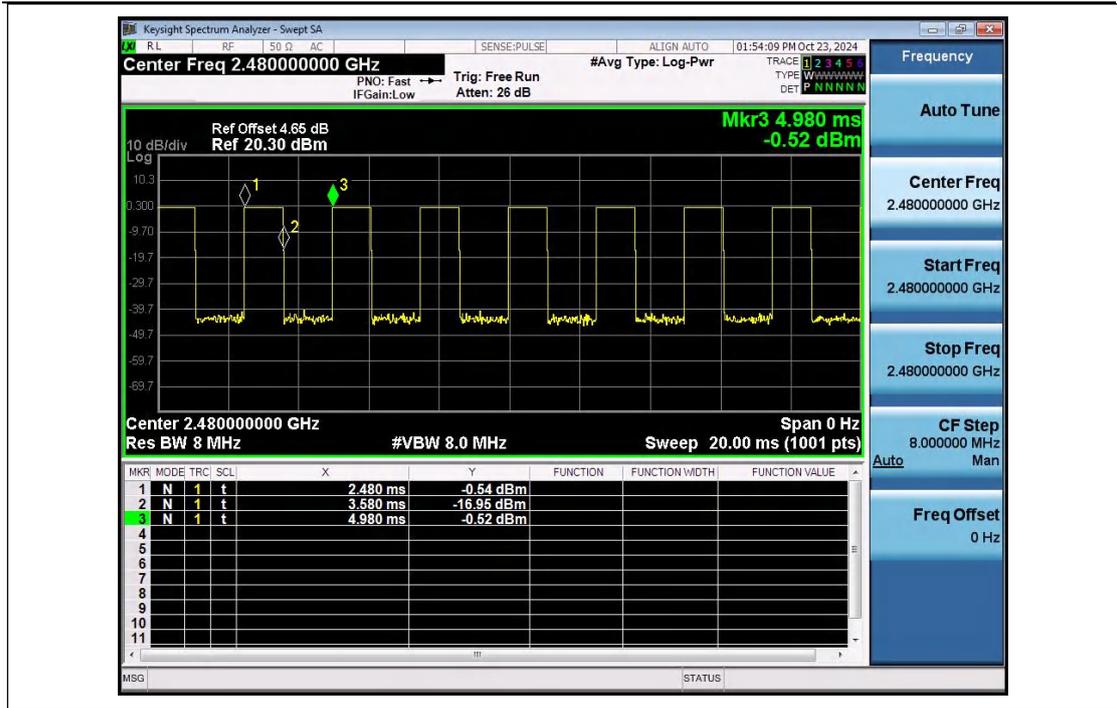


Duty\_Cycle\_NVNT\_ANT1\_2Mbps\_2440



Duty\_Cycle\_NVNT\_ANT1\_2Mbps\_2480





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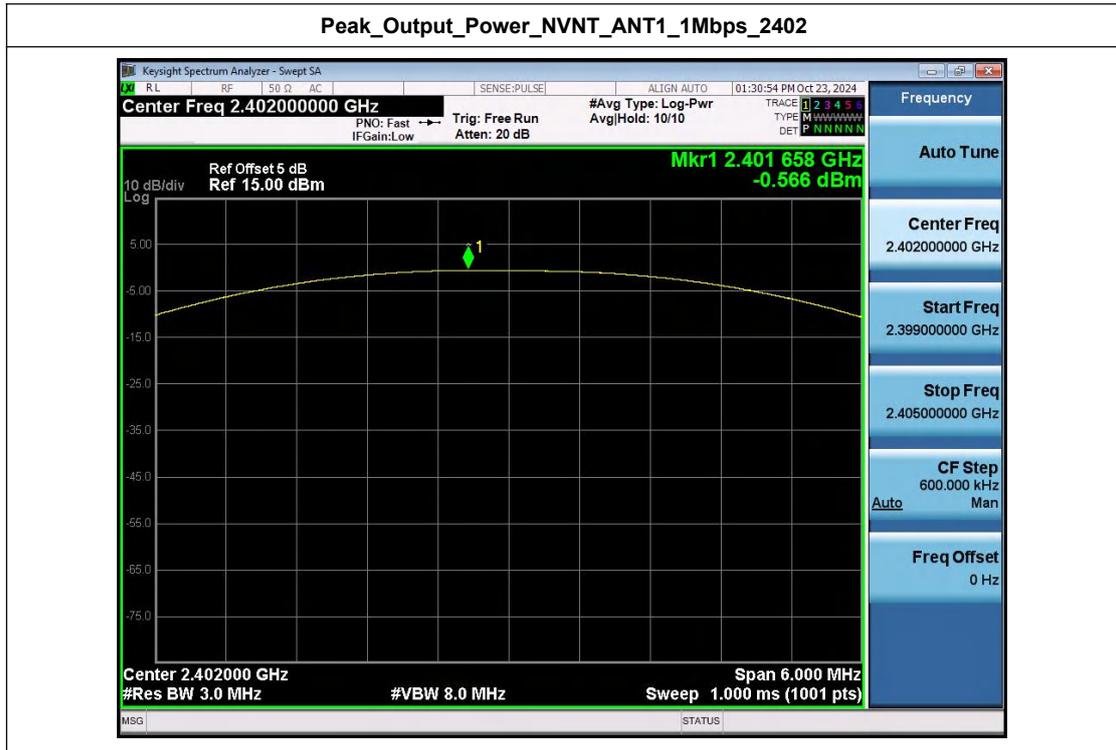
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**Appendix D: Peak Output Power**

Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1Mbps	2402.00	-0.57	0.88	1000	Pass
NVNT	ANT1	1Mbps	2440.00	-0.25	0.94	1000	Pass
NVNT	ANT1	1Mbps	2480.00	-0.54	0.88	1000	Pass
NVNT	ANT1	2Mbps	2402.00	0.36	<b>1.09</b>	1000	Pass
NVNT	ANT1	2Mbps	2440.00	-0.11	0.97	1000	Pass
NVNT	ANT1	2Mbps	2480.00	-0.42	0.91	1000	Pass

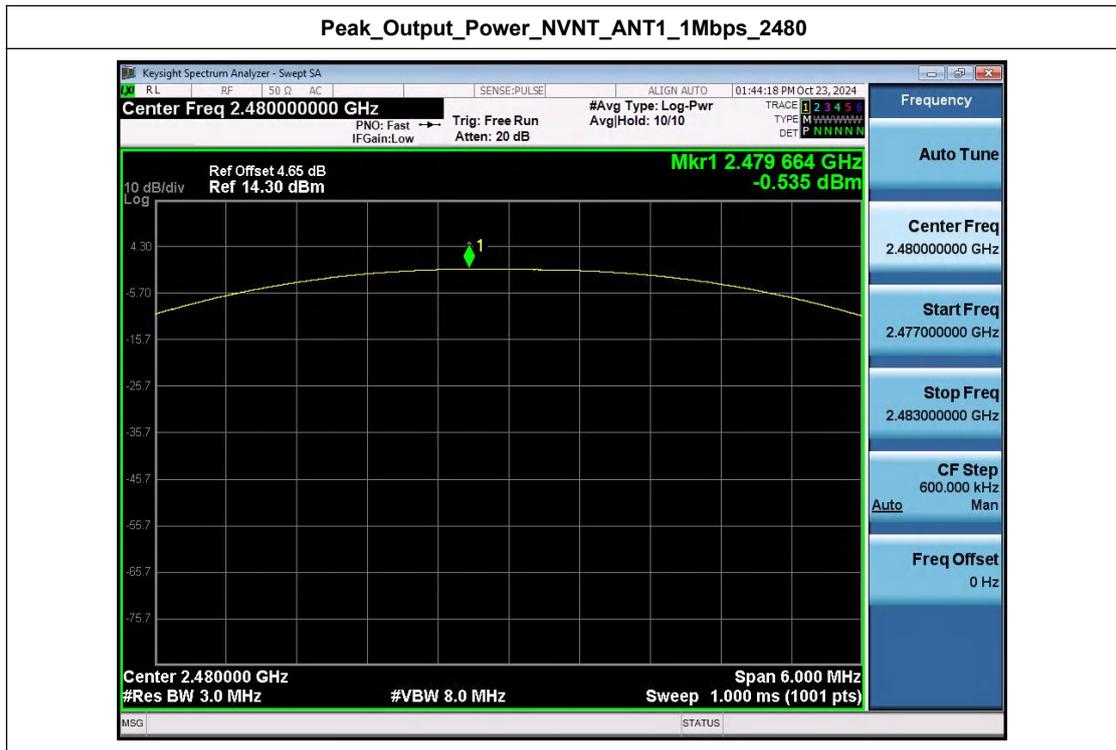


**Peak\_Output\_Power\_NVNT\_ANT1\_1Mbps\_2440**





Peak\_Output\_Power\_NVNT\_ANT1\_1Mbps\_2480

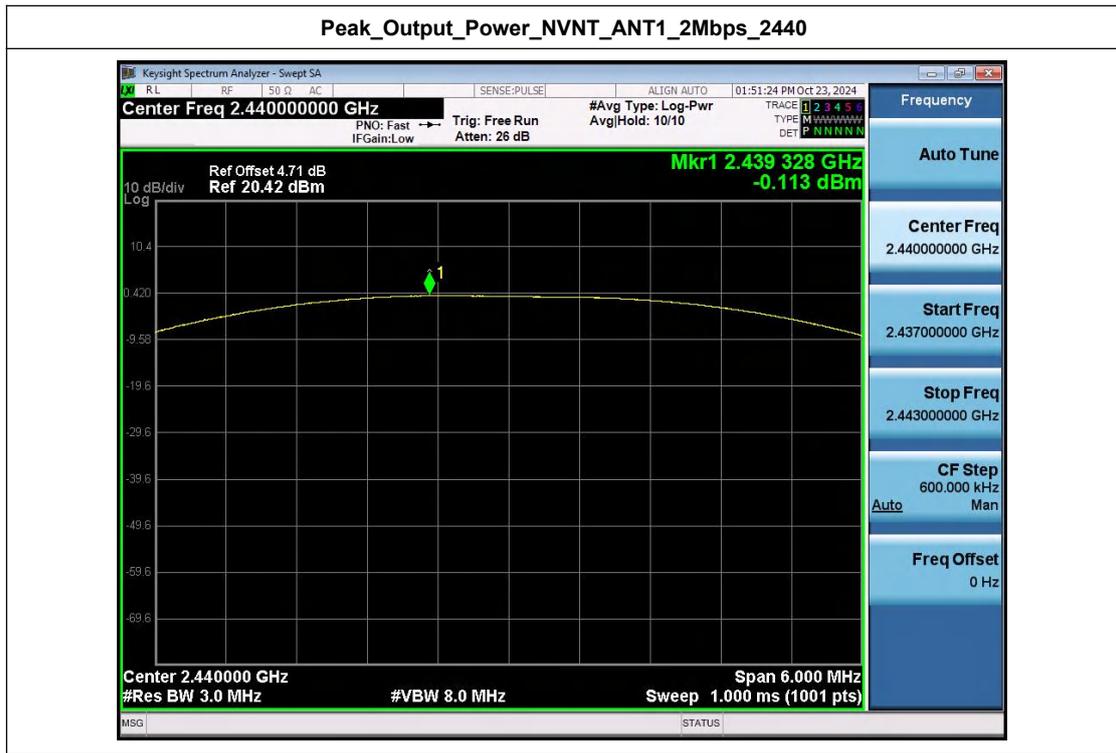


Peak\_Output\_Power\_NVNT\_ANT1\_2Mbps\_2402





Peak\_Output\_Power\_NVNT\_ANT1\_2Mbps\_2440



Peak\_Output\_Power\_NVNT\_ANT1\_2Mbps\_2480





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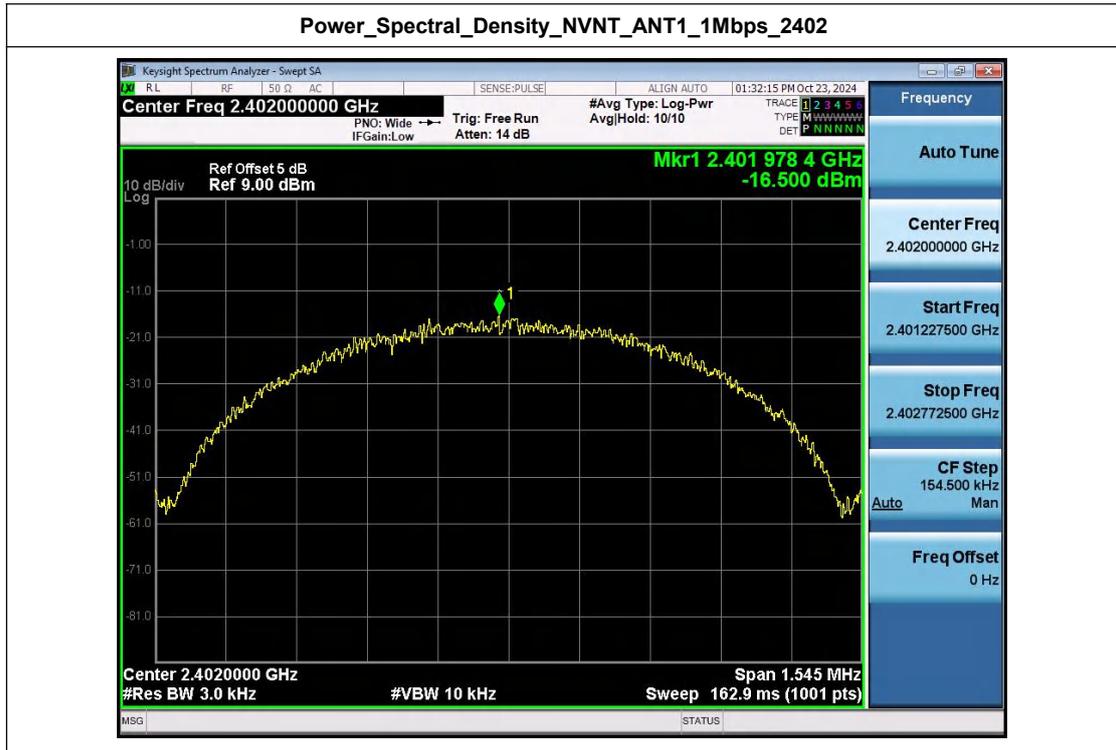
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**Appendix E: Power Spectral Density**

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm/3kHz)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402.00	-16.50	8	Pass
NVNT	ANT1	1Mbps	2440.00	-16.53	8	Pass
NVNT	ANT1	1Mbps	2480.00	-16.28	8	Pass
NVNT	ANT1	2Mbps	2402.00	-17.98	8	Pass
NVNT	ANT1	2Mbps	2440.00	-18.39	8	Pass
NVNT	ANT1	2Mbps	2480.00	-18.45	8	Pass

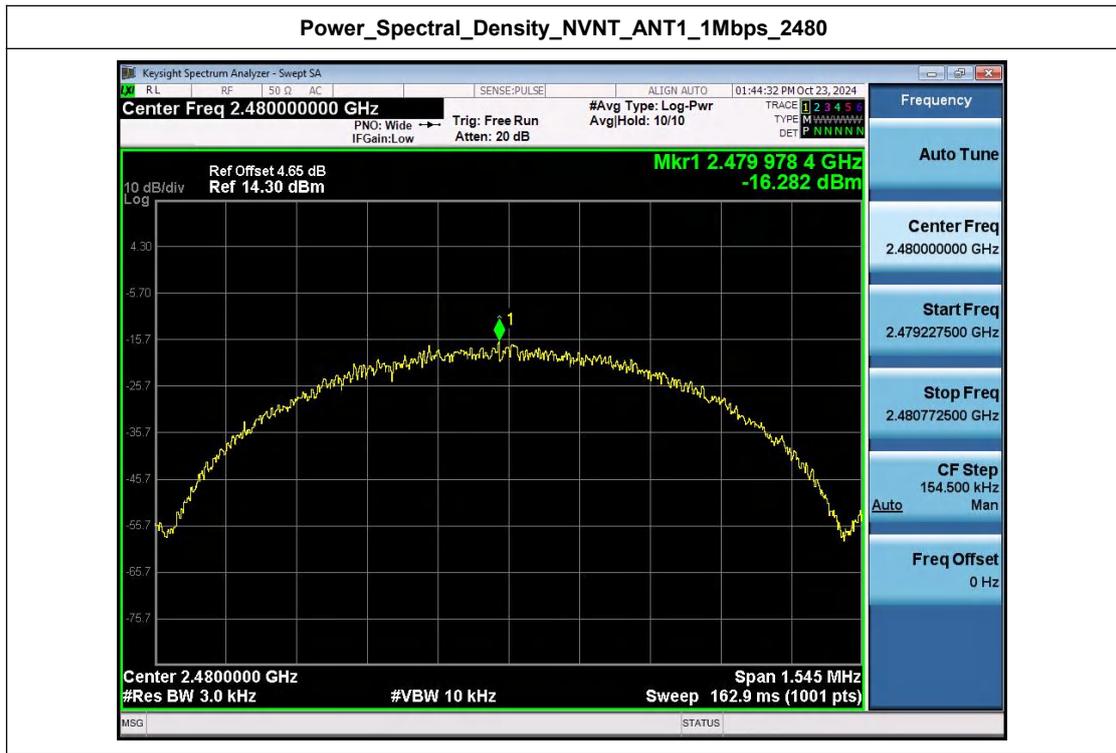


**Power\_Spectral\_Density\_NVNT\_ANT1\_1Mbps\_2440**





Power\_Spectral\_Density\_NVNT\_ANT1\_1Mbps\_2480

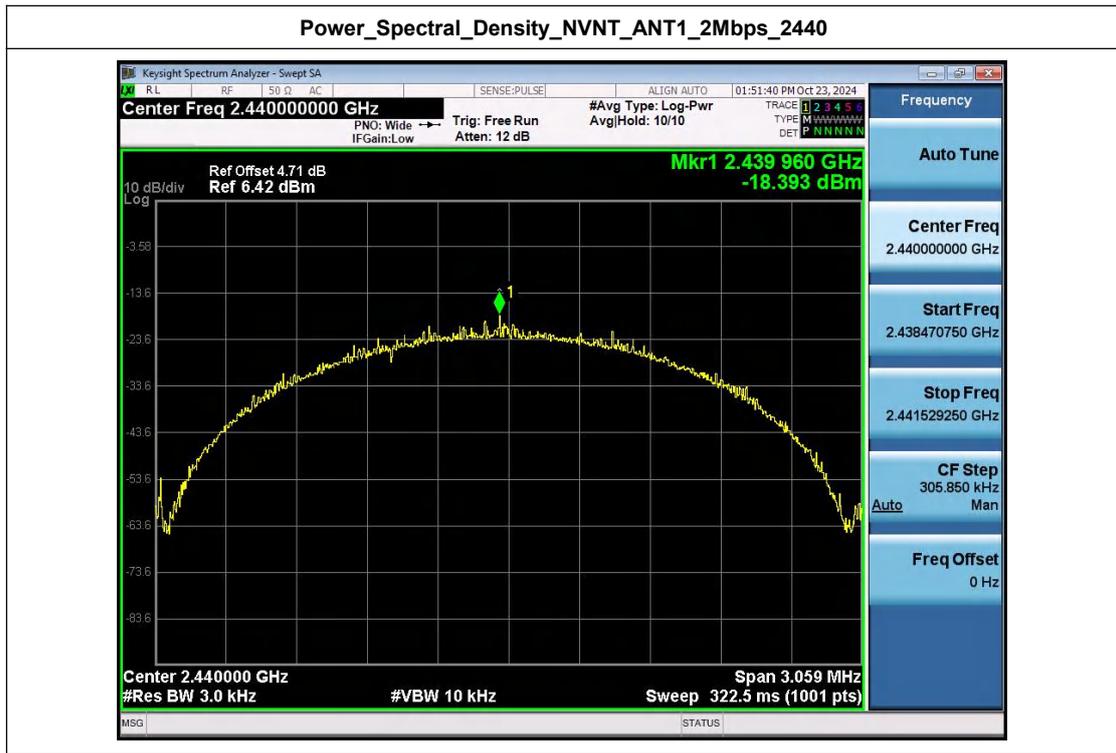


Power\_Spectral\_Density\_NVNT\_ANT1\_2Mbps\_2402





Power\_Spectral\_Density\_NVNT\_ANT1\_2Mbps\_2440



Power\_Spectral\_Density\_NVNT\_ANT1\_2Mbps\_2480





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**Appendix F: Bandedge**

Condition	Antenna	Rate	TX_Frequency (MHz)	Max. Mark Frequency (MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	2399.015	-43.393	-20.759	Pass
NVNT	ANT1	1Mbps	2480.00	2483.750	-53.979	-20.728	Pass
NVNT	ANT1	2Mbps	2402.00	2399.965	-32.596	-20.108	Pass
NVNT	ANT1	2Mbps	2480.00	2484.475	-56.241	-20.795	Pass

1\_Reference\_Level\_NVNT\_ANT1\_1Mbps\_2402



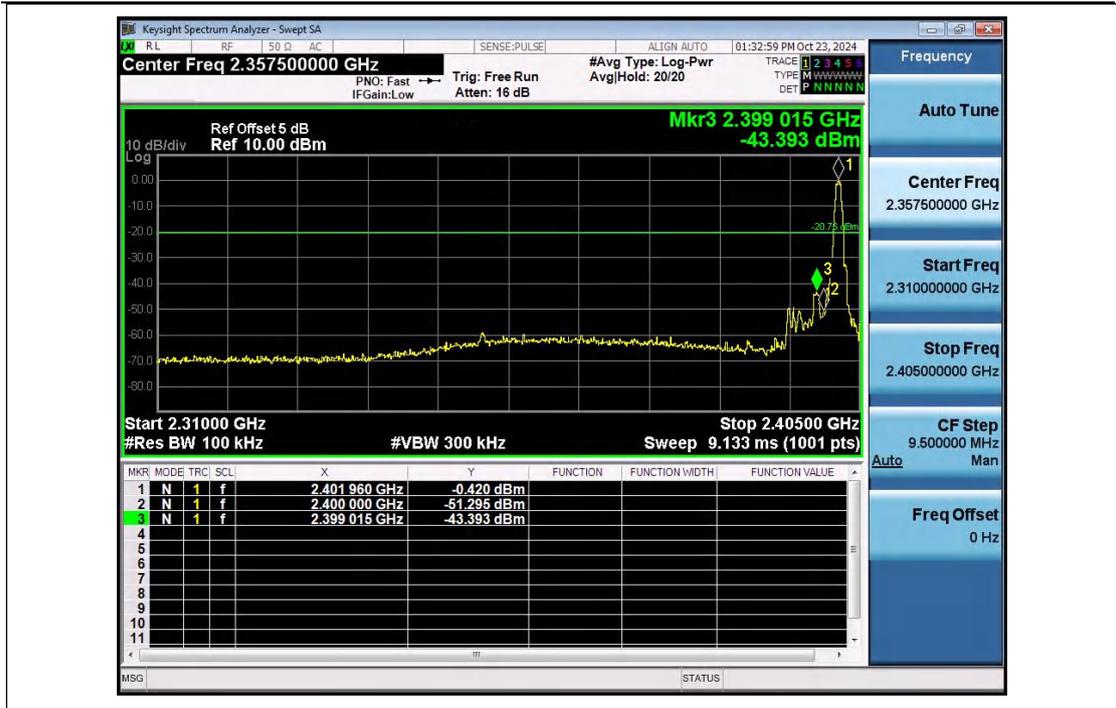
2\_Bandedge\_NVNT\_ANT1\_1Mbps\_2402

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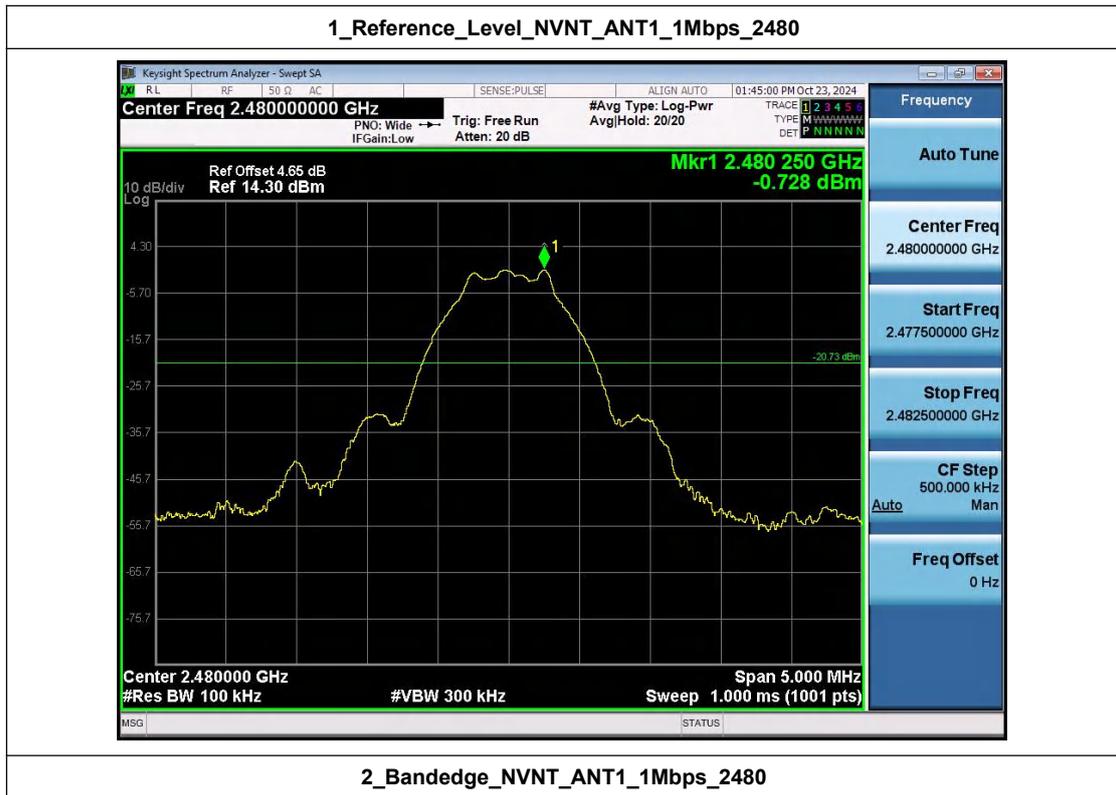
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1\_Reference\_Level\_NVNT\_ANT1\_1Mbps\_2480



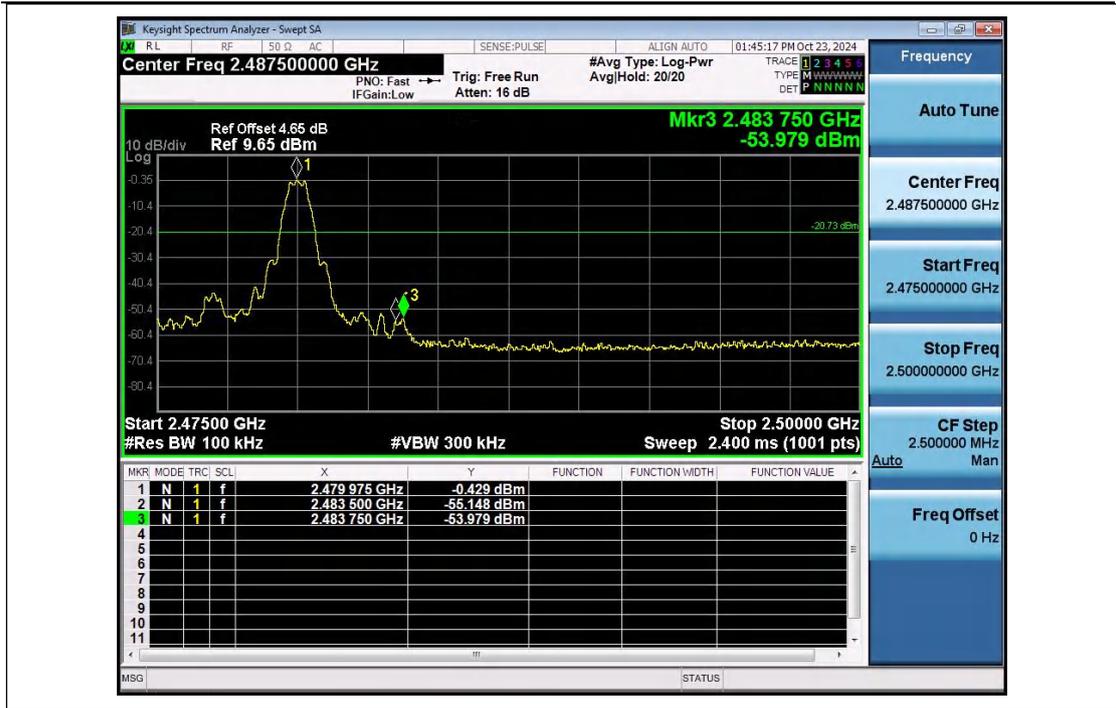
2\_Bandedge\_NVNT\_ANT1\_1Mbps\_2480

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1\_Reference\_Level\_NVNT\_ANT1\_2Mbps\_2402



2\_Bandedge\_NVNT\_ANT1\_2Mbps\_2402

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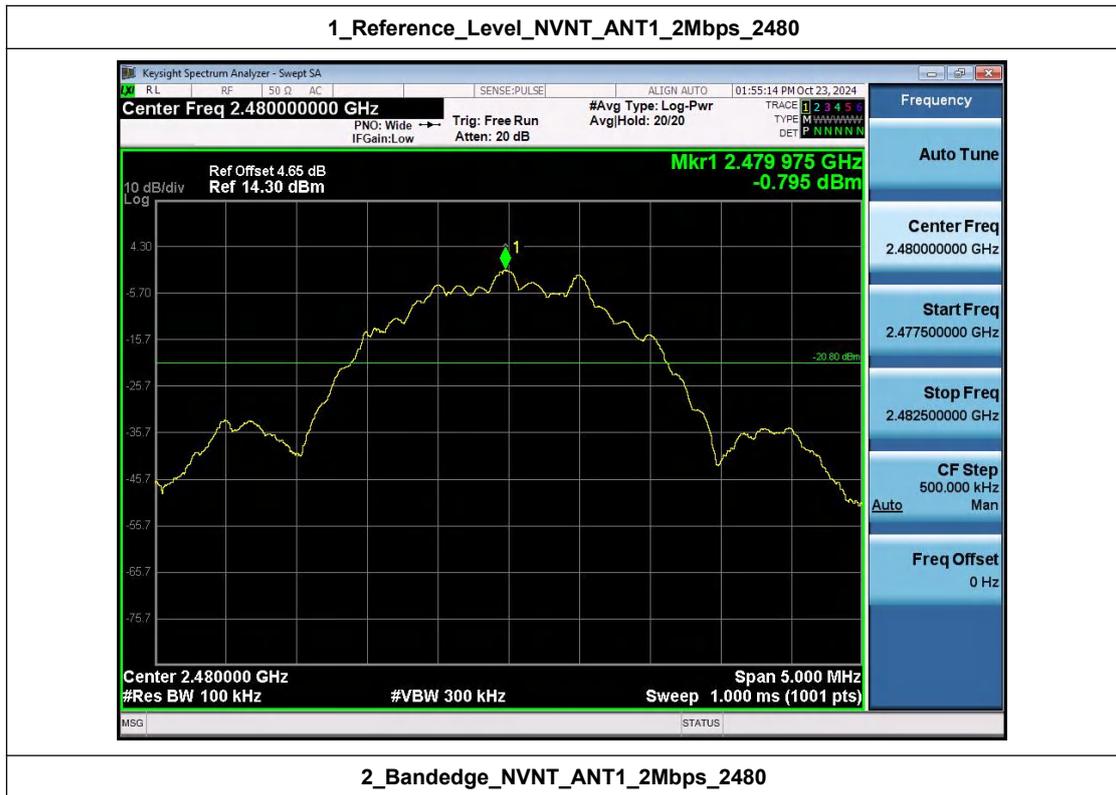
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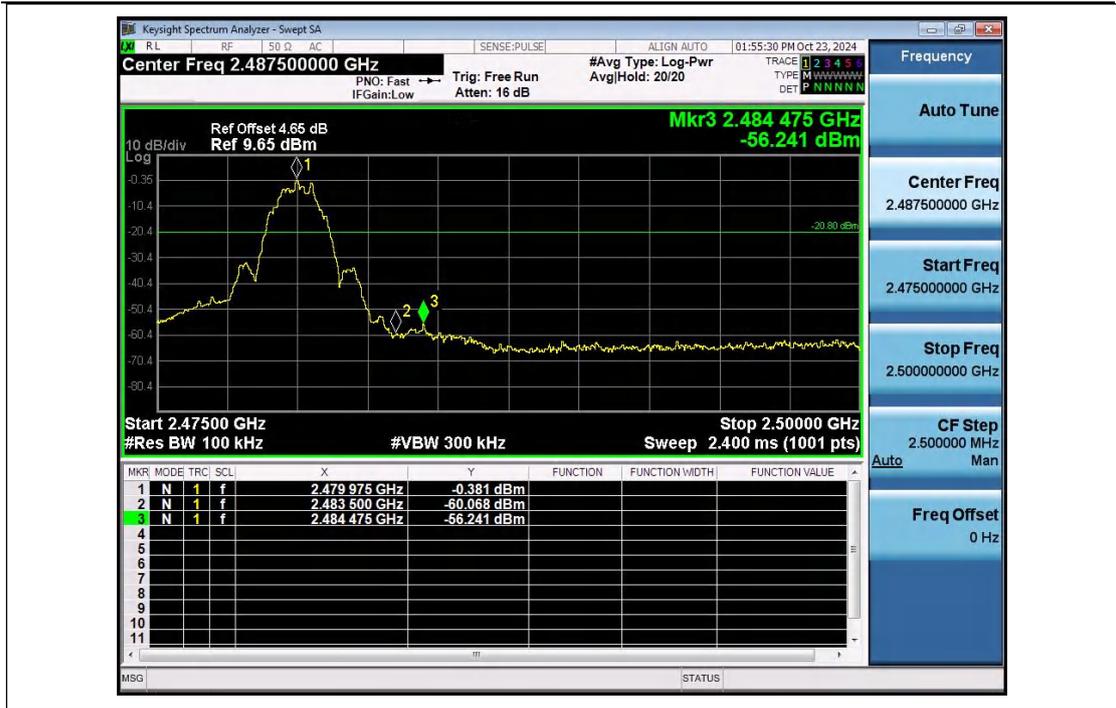


1\_Reference\_Level\_NVNT\_ANT1\_2Mbps\_2480



2\_Bandedge\_NVNT\_ANT1\_2Mbps\_2480





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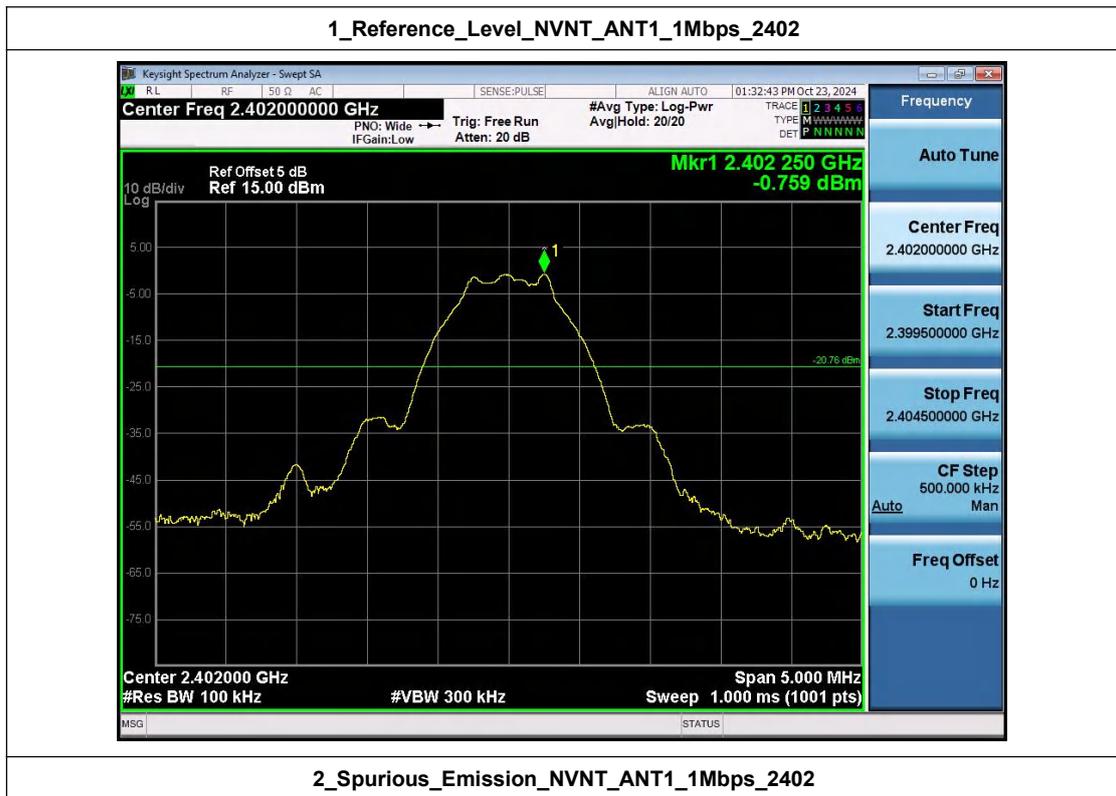
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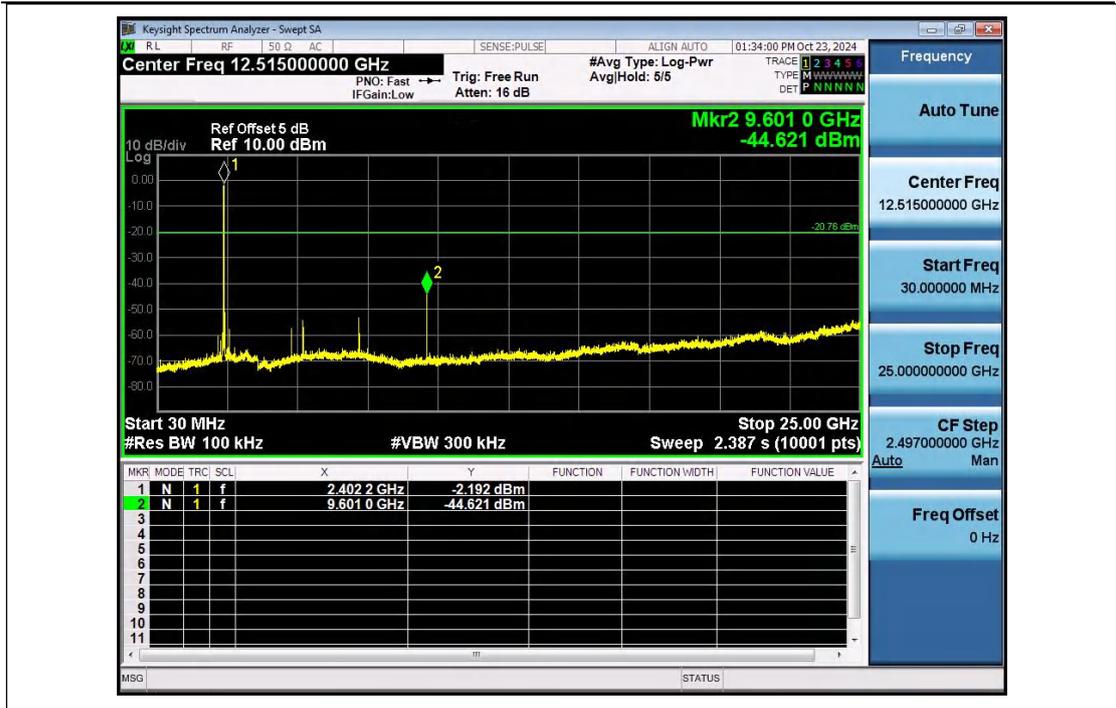
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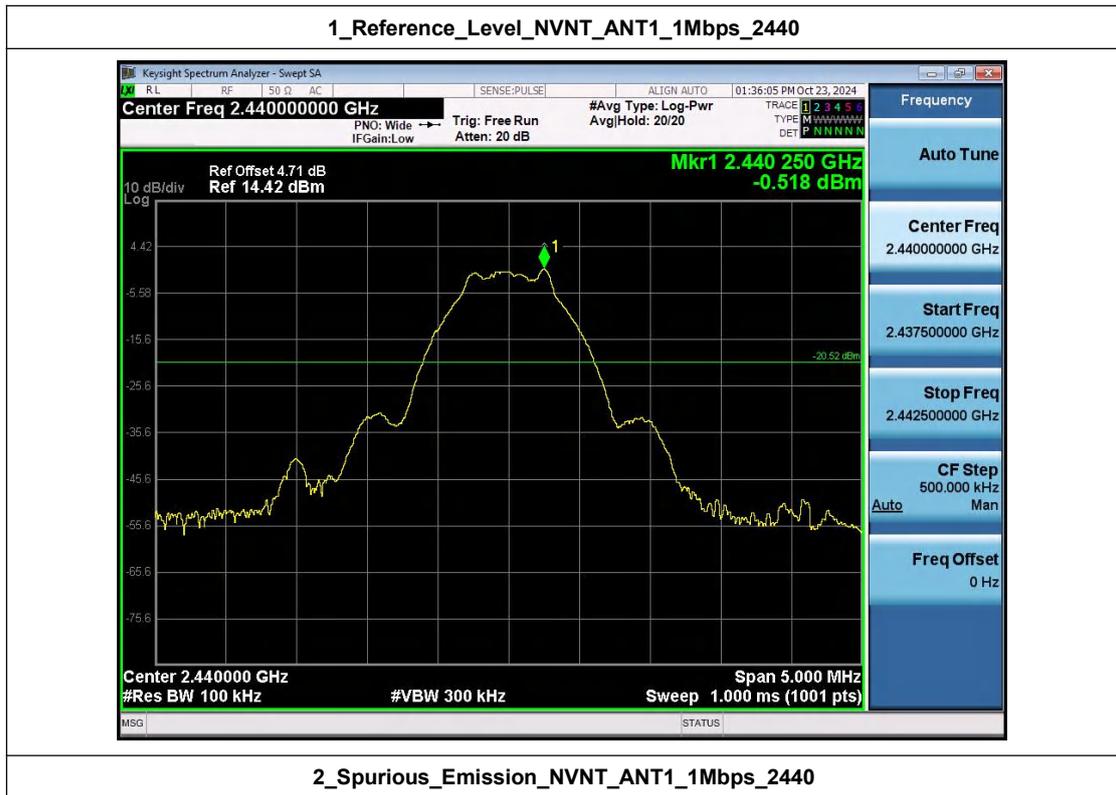
### Appendix G: Spurious Emission

Condition	Antenna	Rate	TX_Frequency(MHz)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1Mbps	2402.00	-44.621	-20.759	Pass
NVNT	ANT1	1Mbps	2440.00	-46.080	-20.518	Pass
NVNT	ANT1	1Mbps	2480.00	-46.390	-20.728	Pass
NVNT	ANT1	2Mbps	2402.00	-44.893	-20.108	Pass
NVNT	ANT1	2Mbps	2440.00	-46.276	-20.857	Pass
NVNT	ANT1	2Mbps	2480.00	-46.406	-20.832	Pass



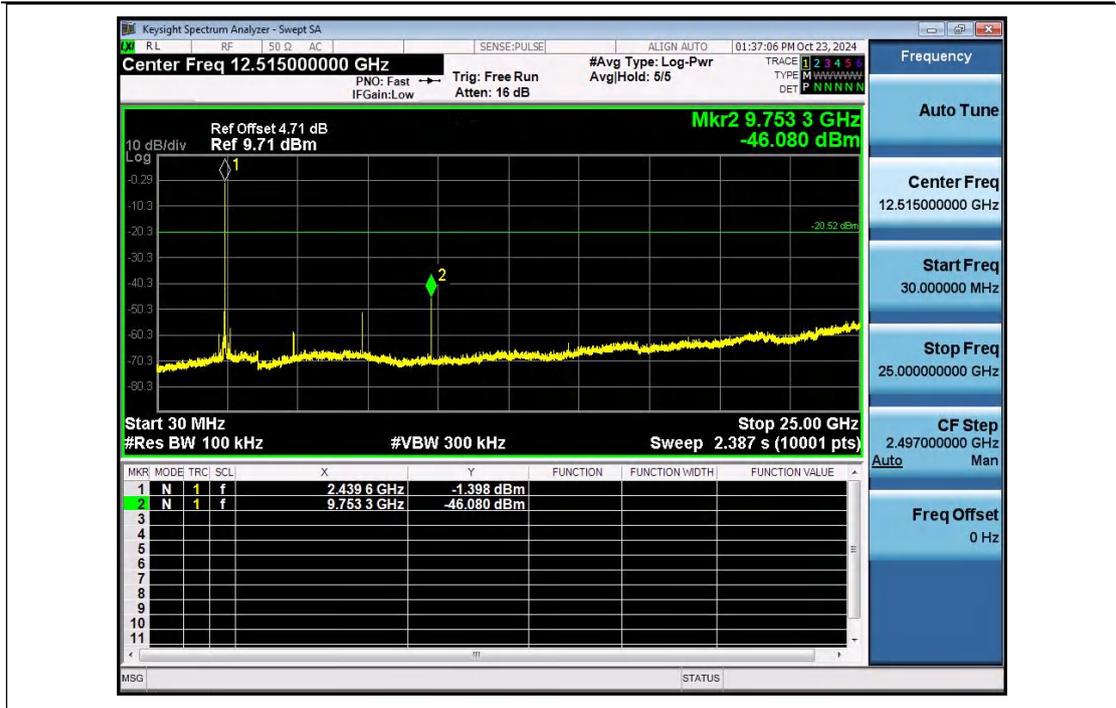


1\_Reference\_Level\_NVNT\_ANT1\_1Mbps\_2440

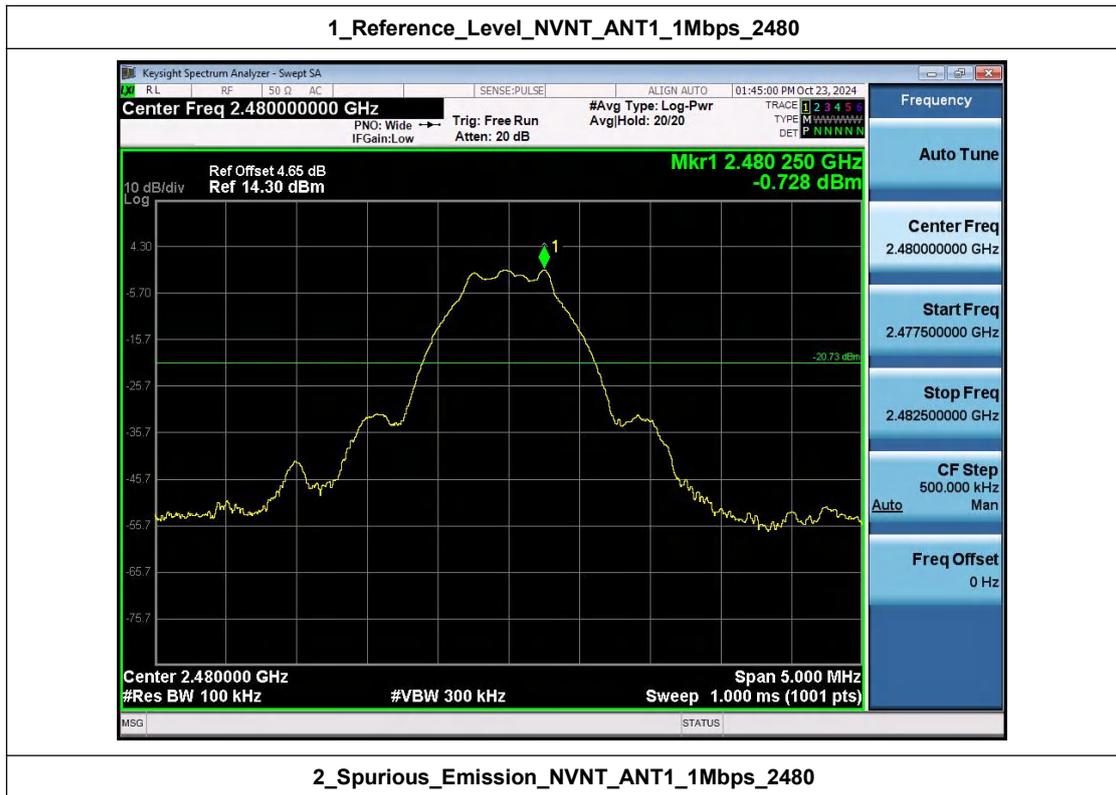


2\_Spurious\_Emission\_NVNT\_ANT1\_1Mbps\_2440





1\_Reference\_Level\_NVNT\_ANT1\_1Mbps\_2480



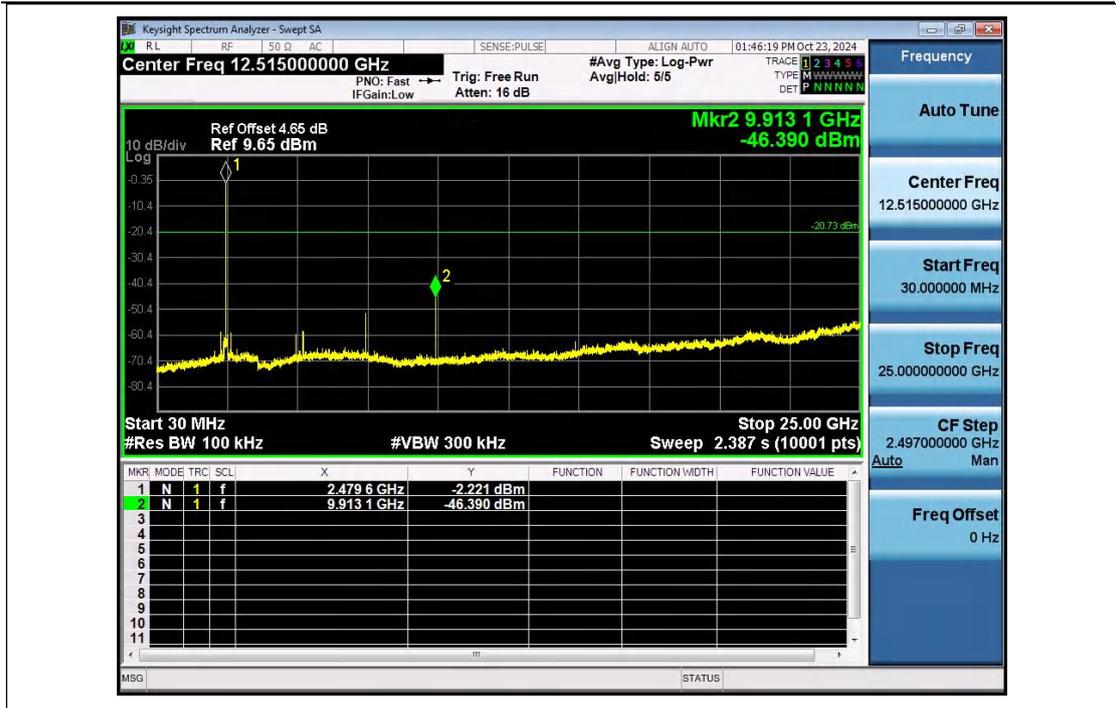
2\_Spurious\_Emission\_NVNT\_ANT1\_1Mbps\_2480

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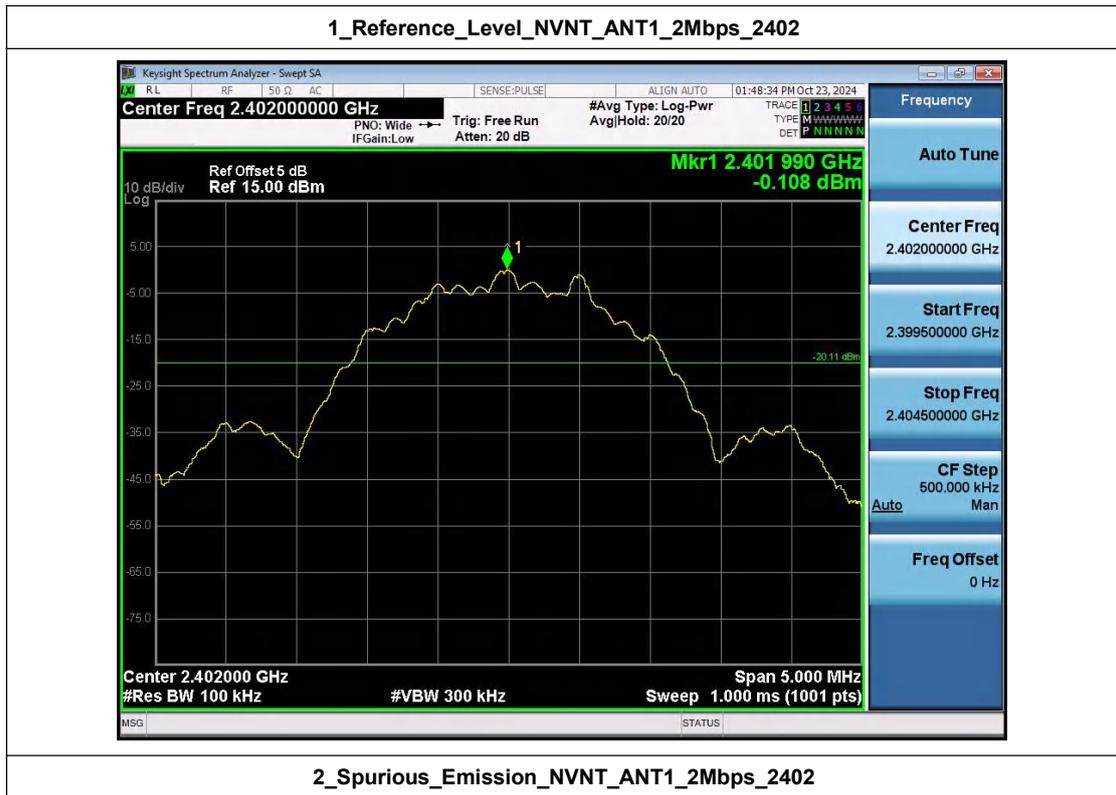
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1\_Reference\_Level\_NVNT\_ANT1\_2Mbps\_2402



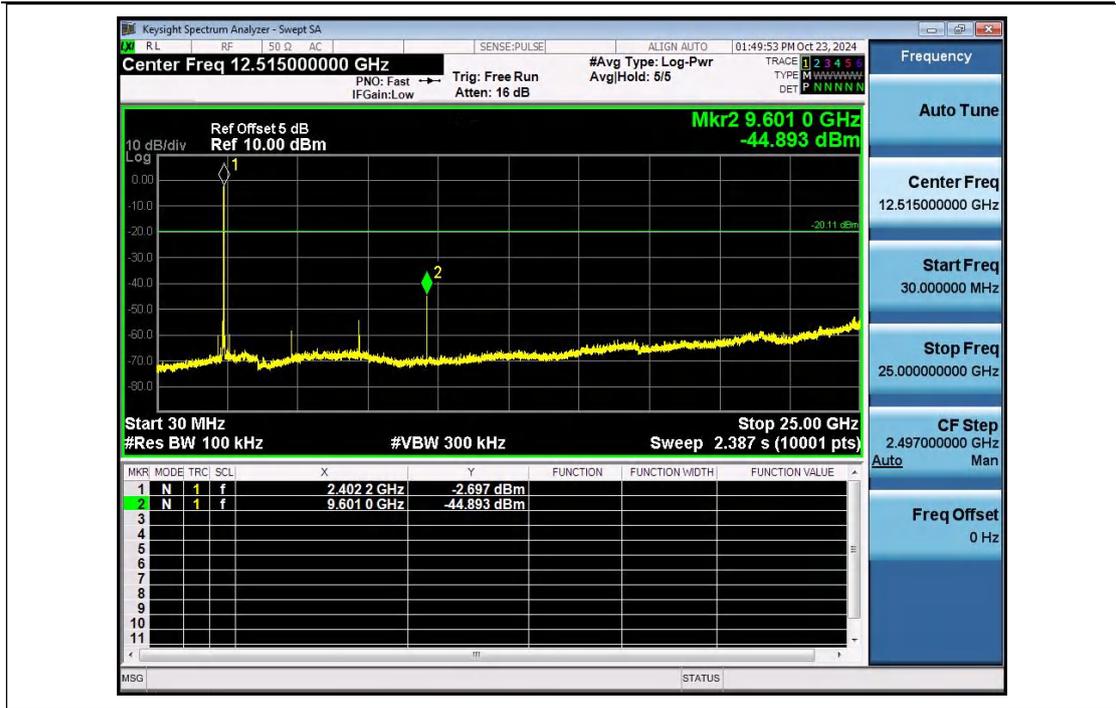
2\_Spurious\_Emission\_NVNT\_ANT1\_2Mbps\_2402

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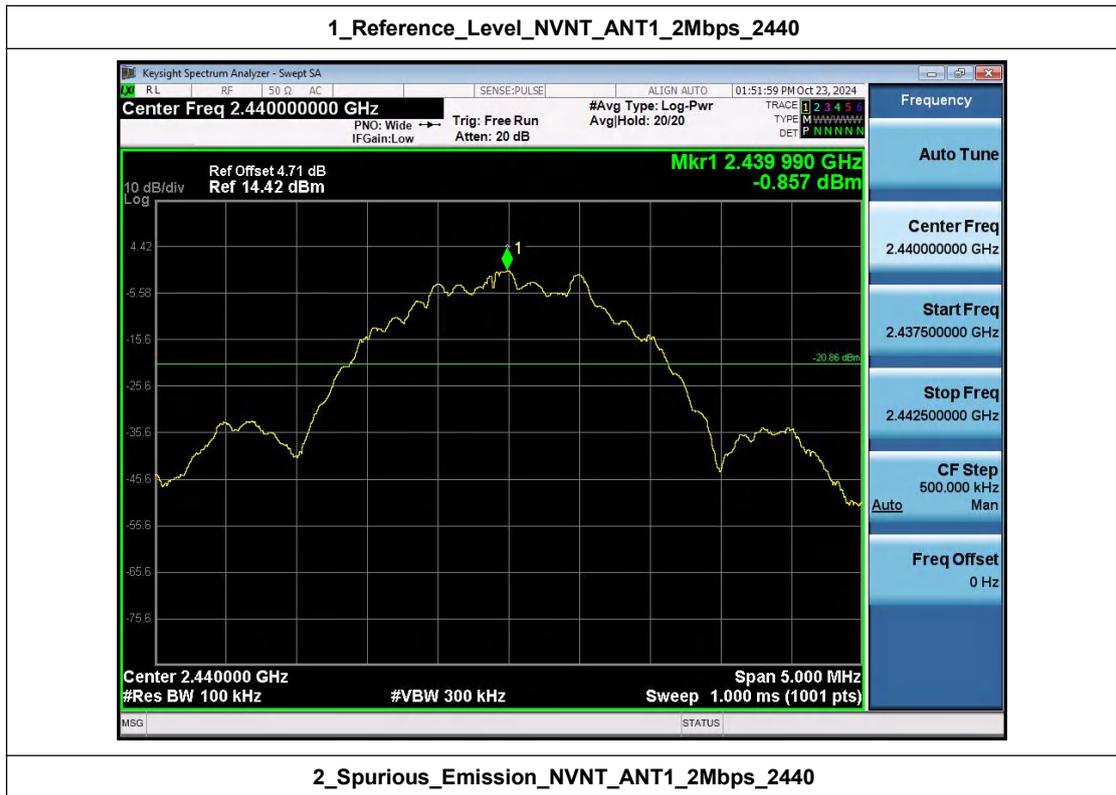
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1\_Reference\_Level\_NVNT\_ANT1\_2Mbps\_2440



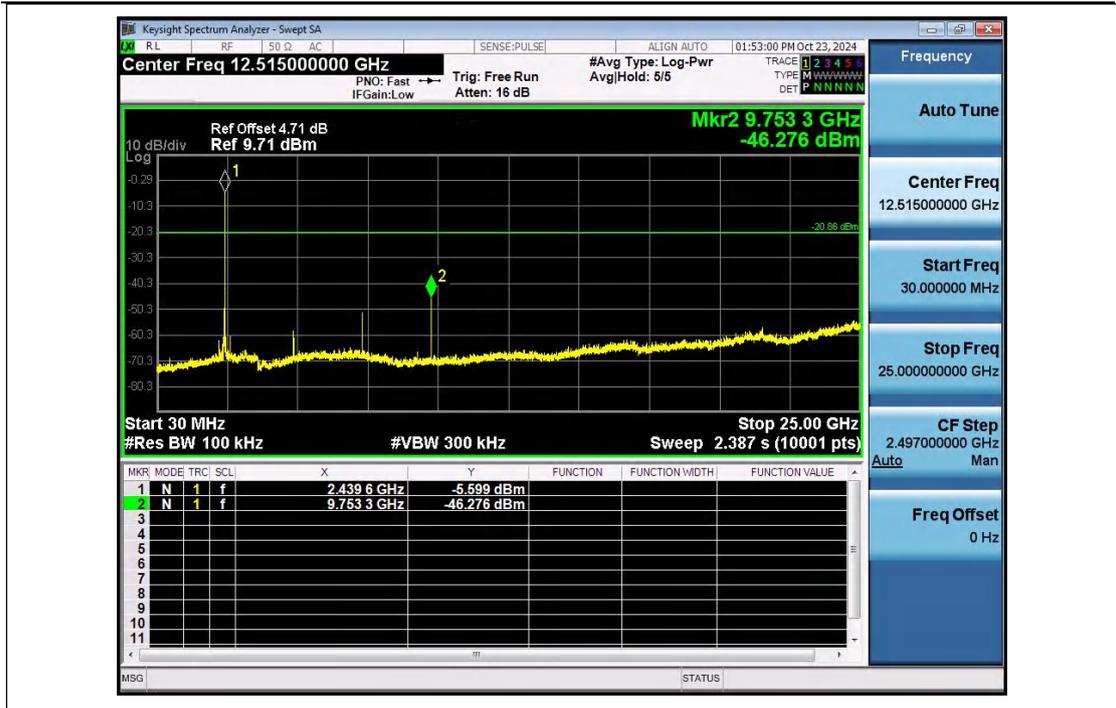
2\_Spurious\_Emission\_NVNT\_ANT1\_2Mbps\_2440

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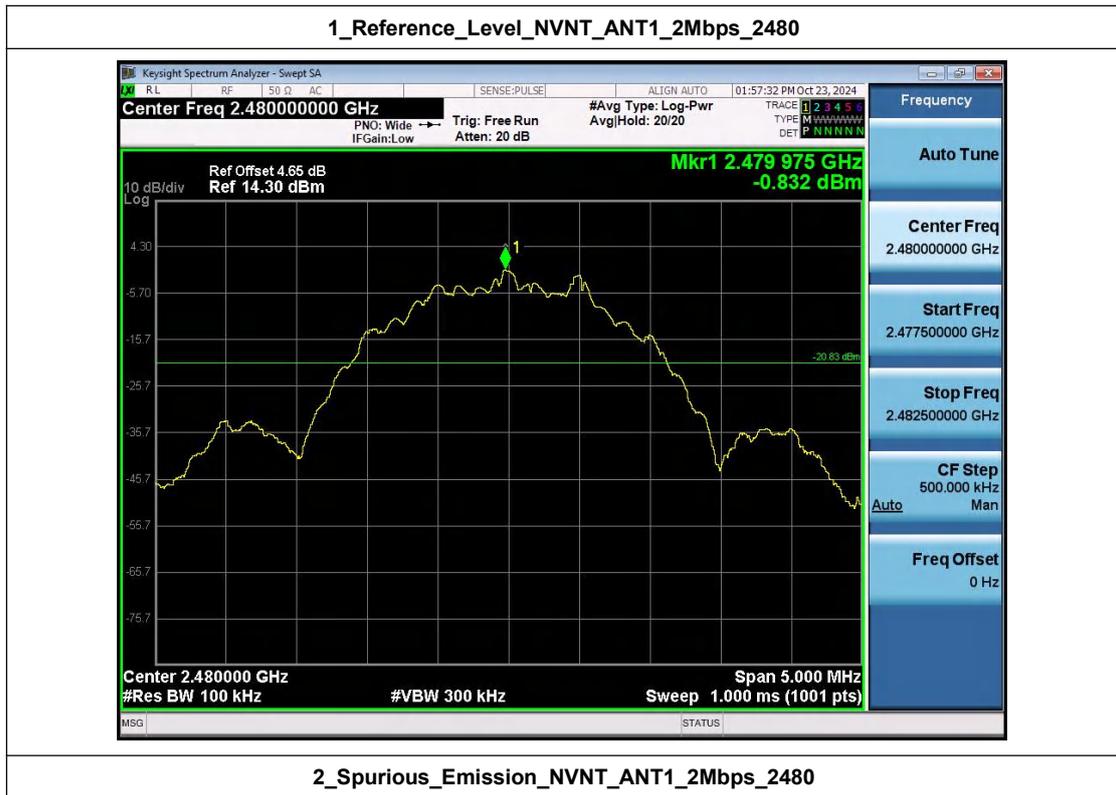
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1\_Reference\_Level\_NVNT\_ANT1\_2Mbps\_2480



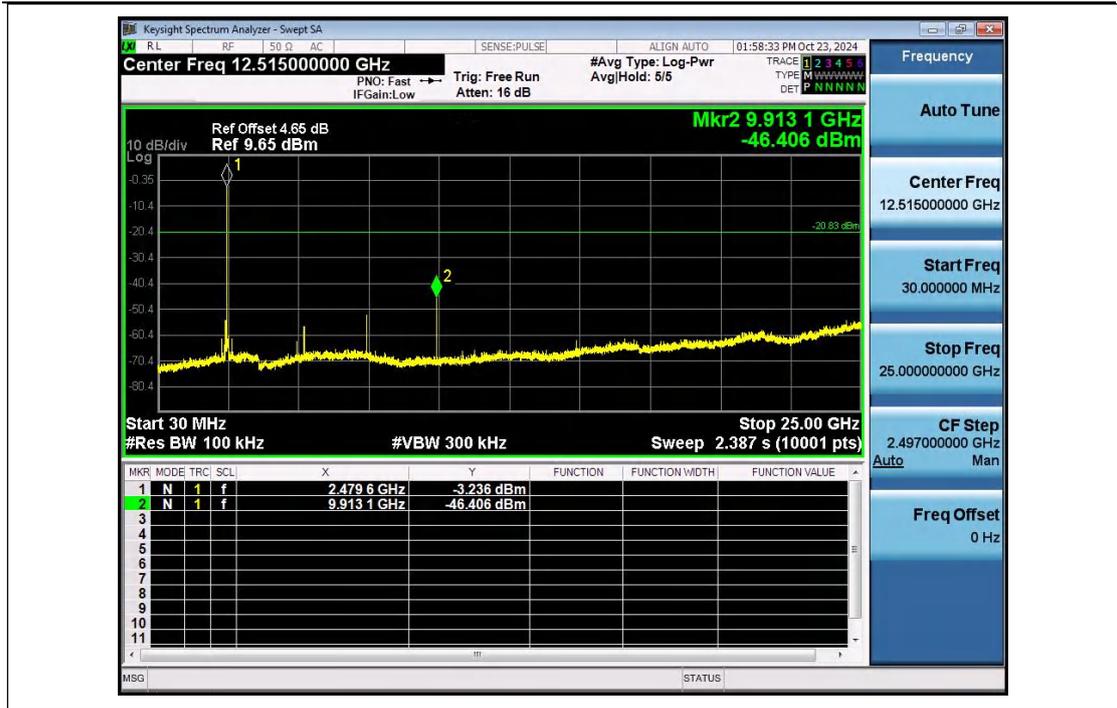
2\_Spurious\_Emission\_NVNT\_ANT1\_2Mbps\_2480

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