

Appendix Test Data

Report No.:	1819C50065112502	Test Sample No.:	1-2-2
Start Test Date:	2025-6-17	Finish Test Date:	2025-6-24
Test Engineer:	Qiangfei Yang	Auditor:	Justin Feng
Temperature:	23.1°C	Relative Humidity:	62%
Pressure:	101kPa		

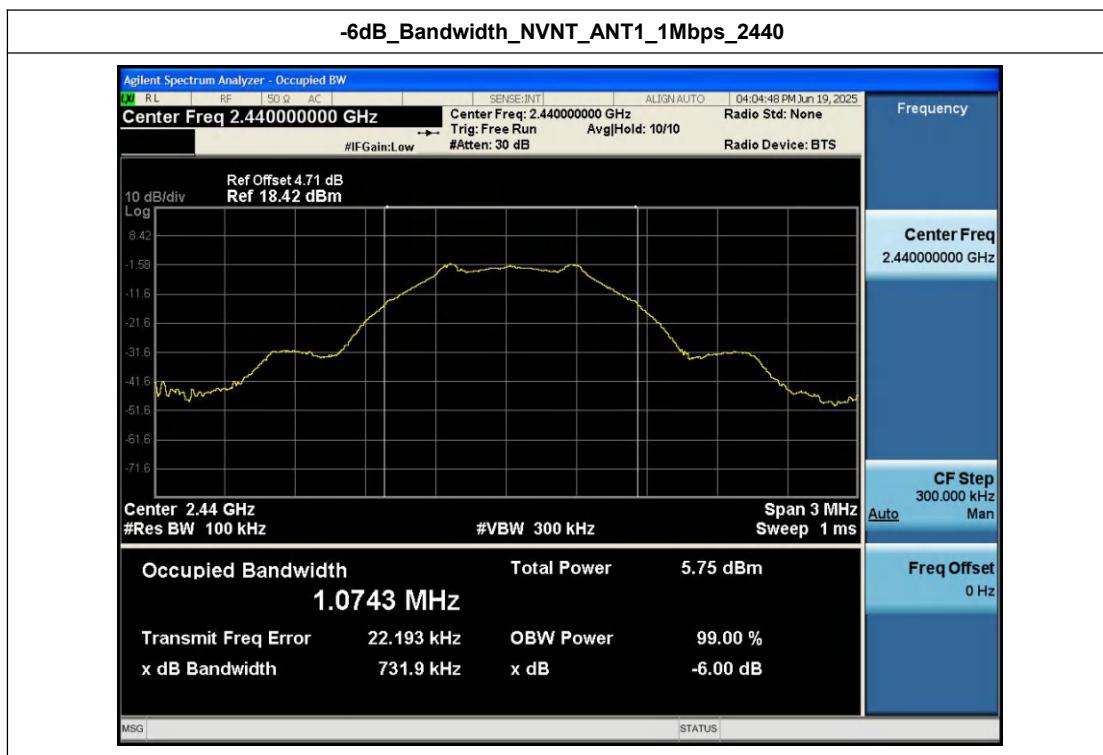
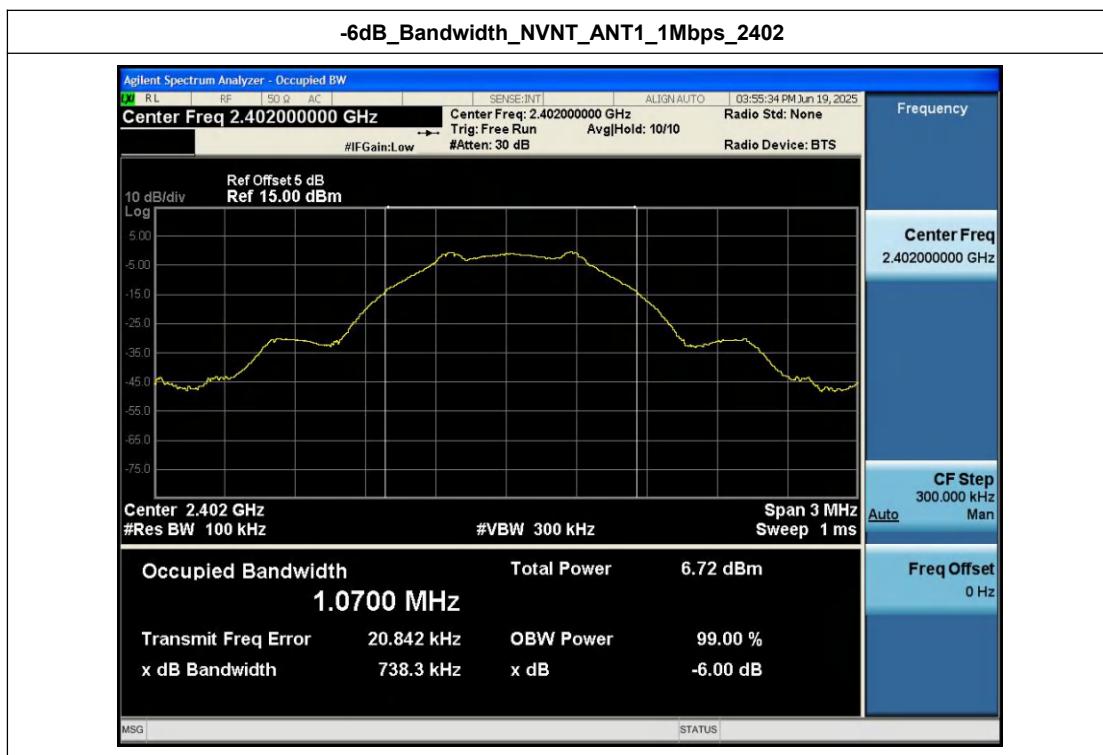
Appendix A: -6dB Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402.00	738.31	500	Pass
NVNT	ANT1	1Mbps	2440.00	731.95	500	Pass
NVNT	ANT1	1Mbps	2480.00	737.35	500	Pass
NVNT	ANT1	2Mbps	2402.00	1491.69	500	Pass
NVNT	ANT1	2Mbps	2440.00	1422.95	500	Pass
NVNT	ANT1	2Mbps	2480.00	1513.89	500	Pass

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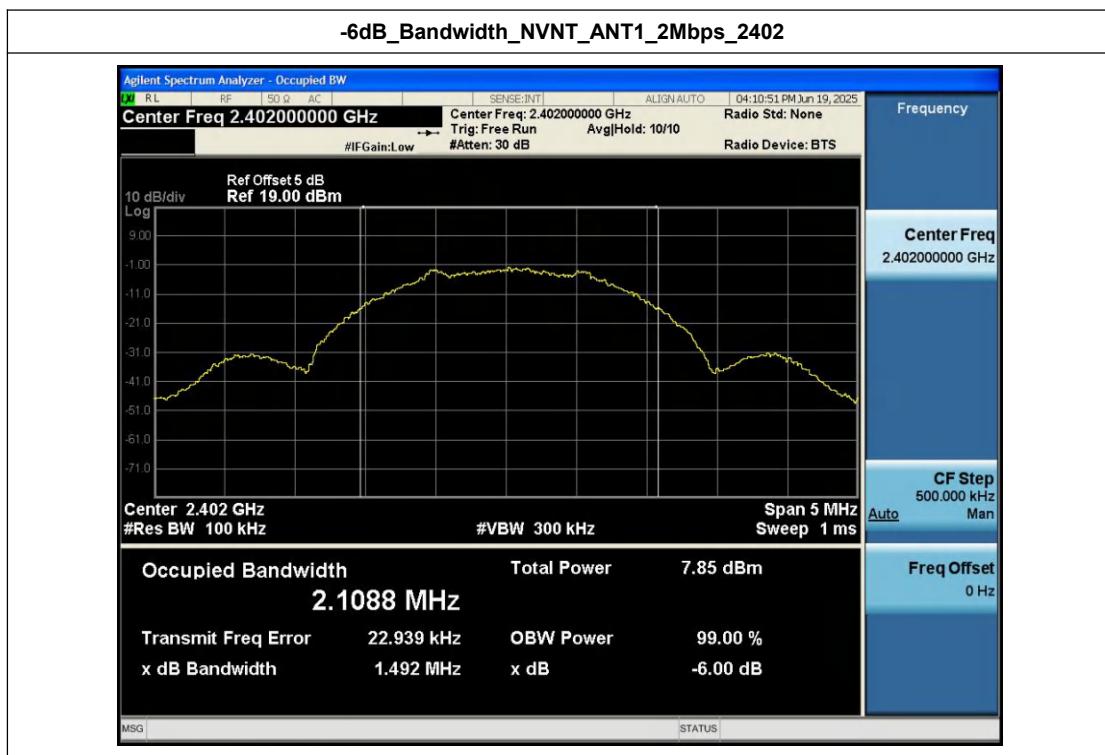
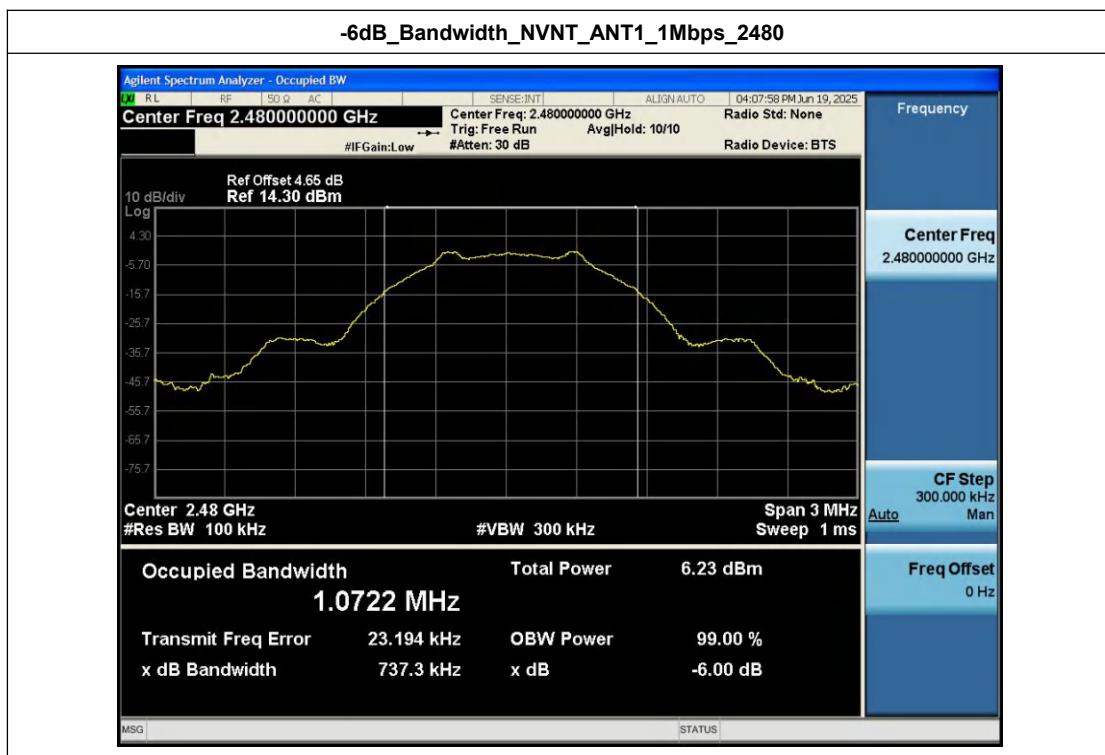
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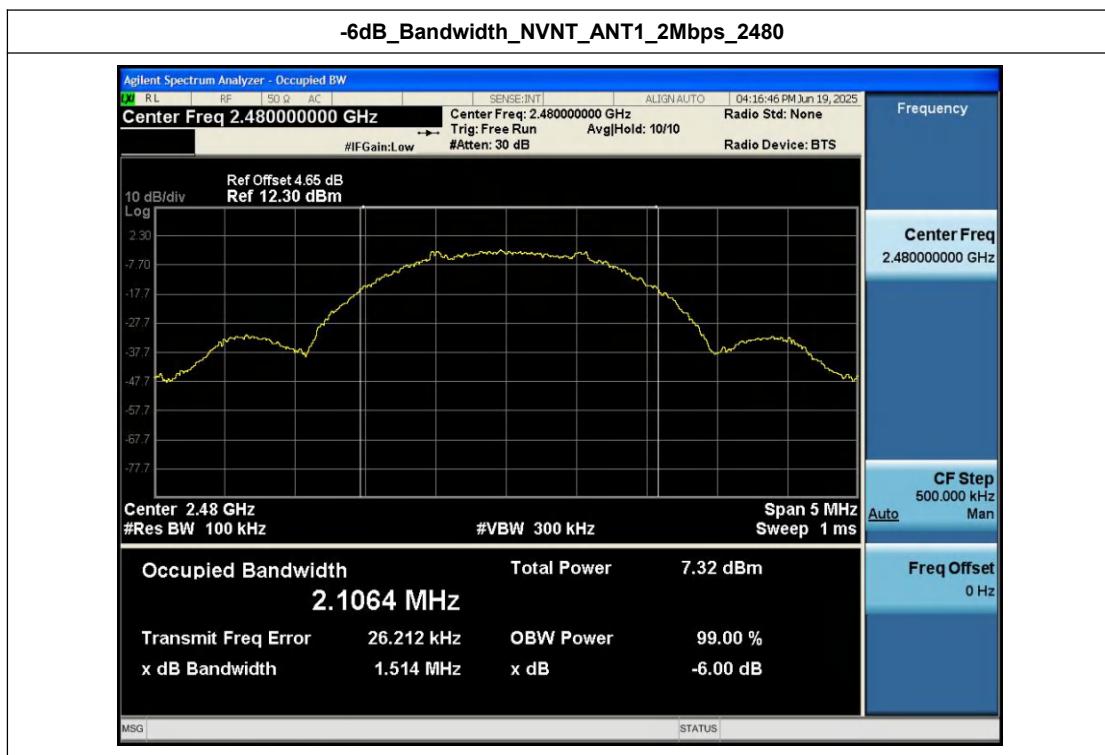
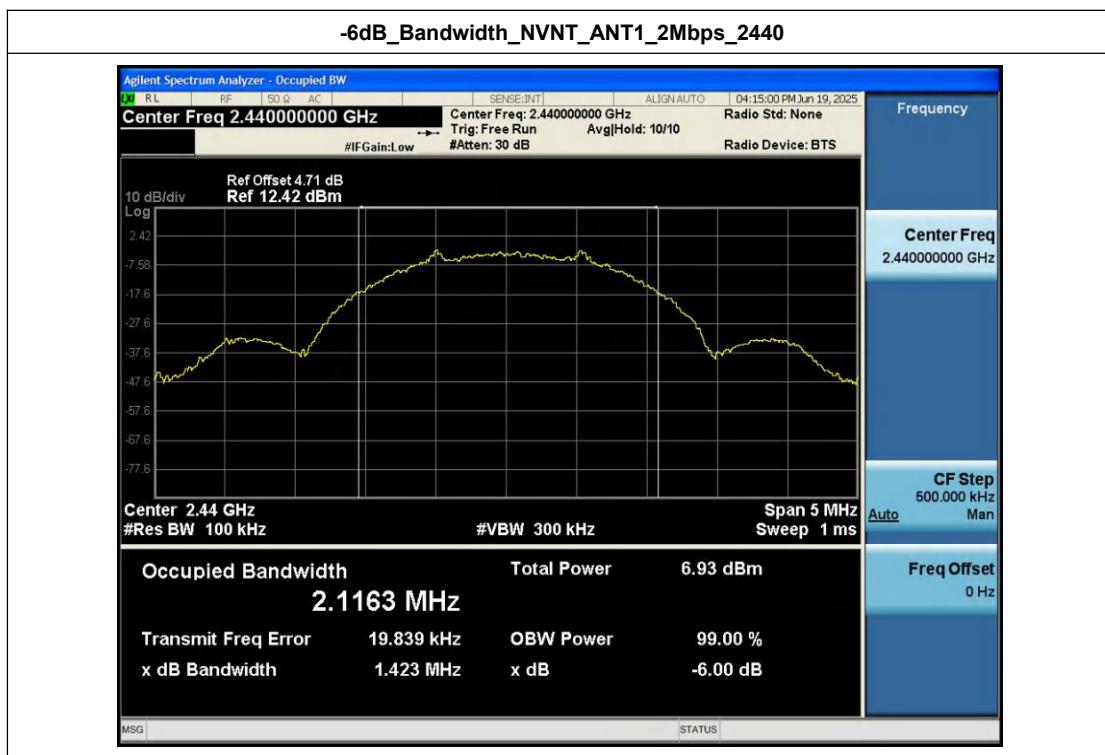
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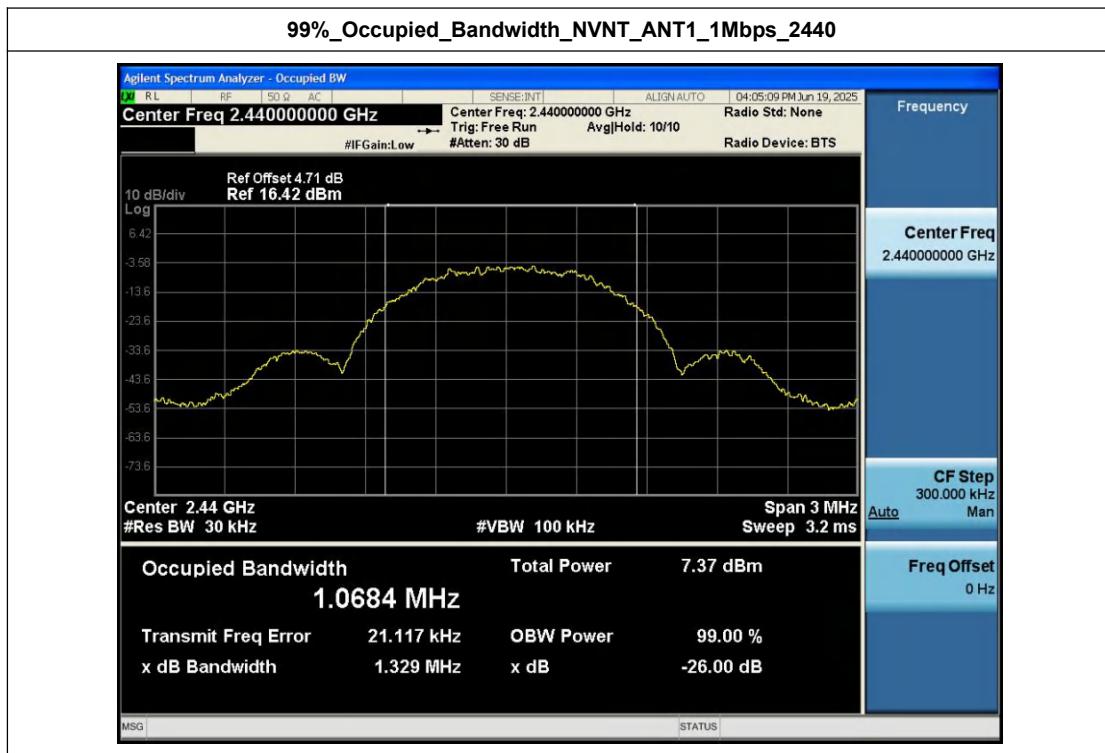
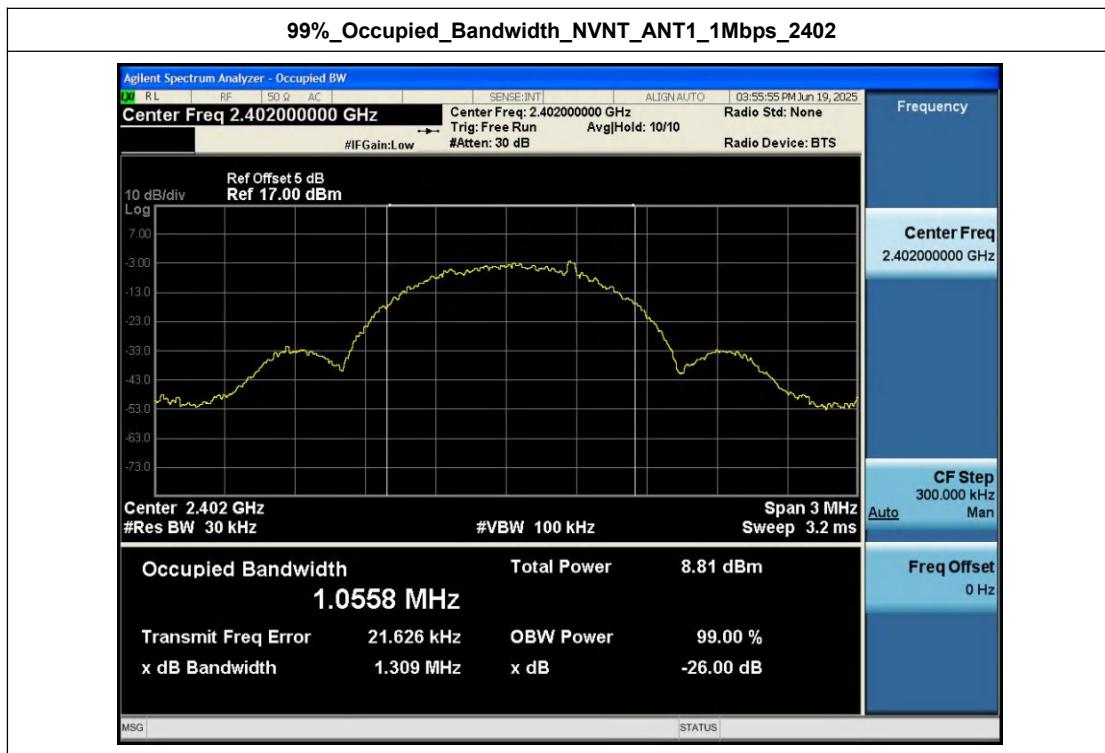
Appendix B: 99% Occupied Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	1Mbps	2402.00	1.056
NVNT	ANT1	1Mbps	2440.00	1.068
NVNT	ANT1	1Mbps	2480.00	1.055
NVNT	ANT1	2Mbps	2402.00	2.108
NVNT	ANT1	2Mbps	2440.00	2.116
NVNT	ANT1	2Mbps	2480.00	2.104

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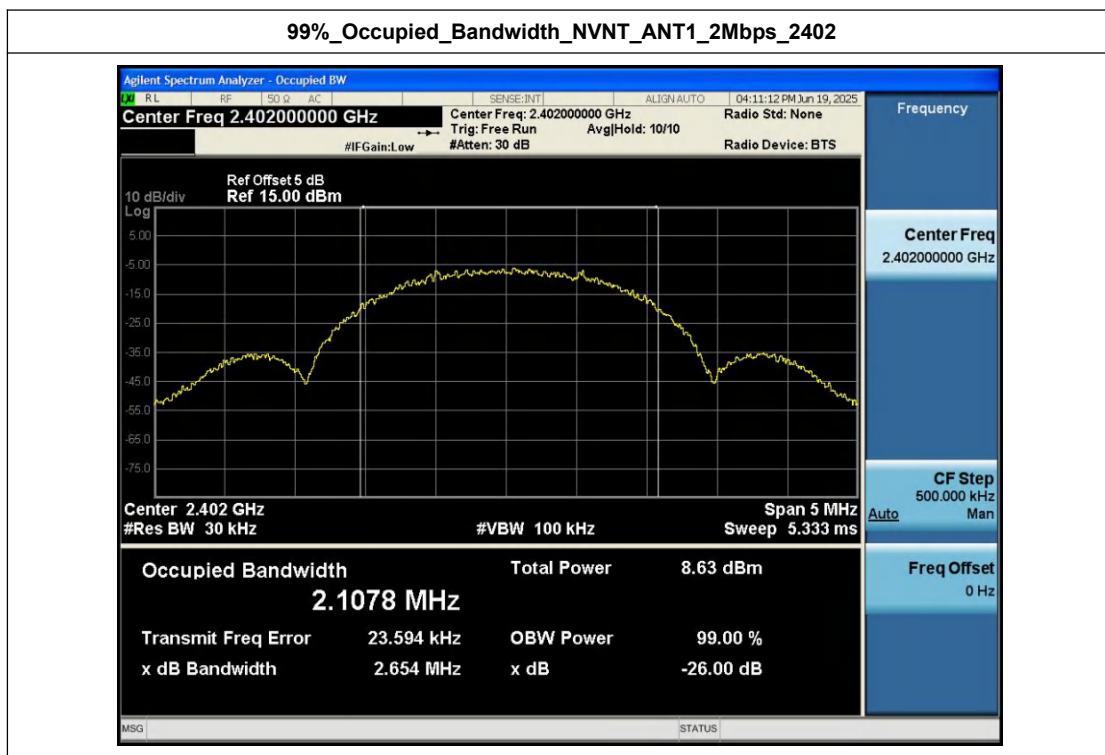
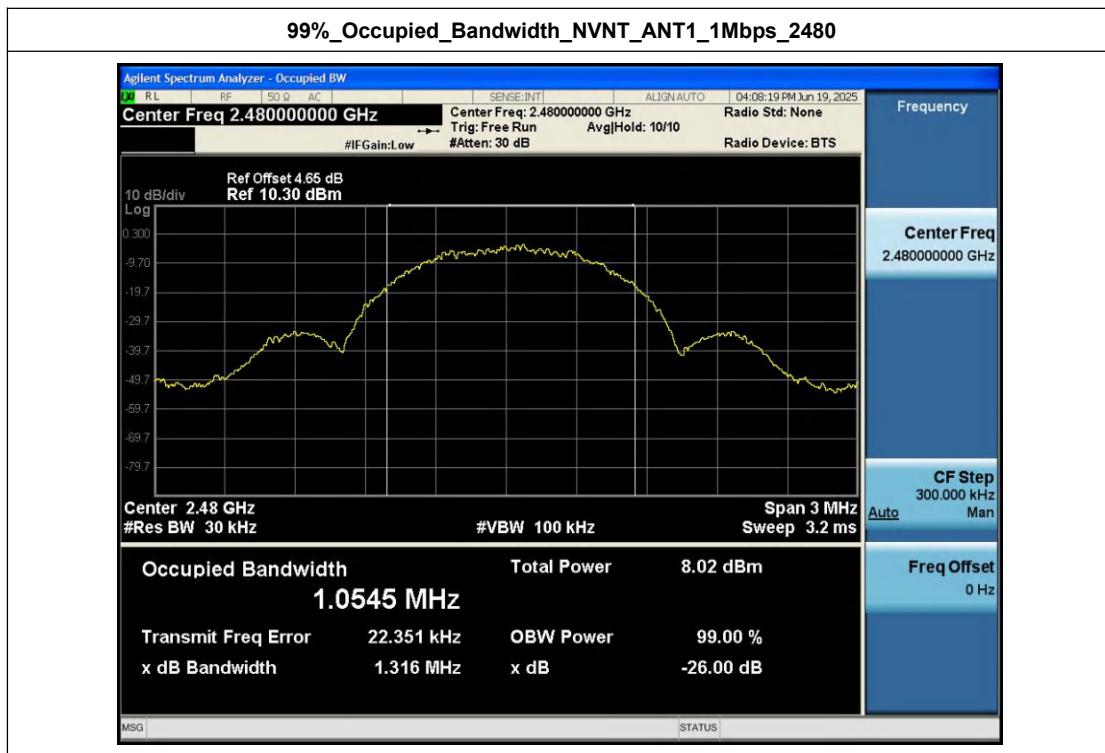
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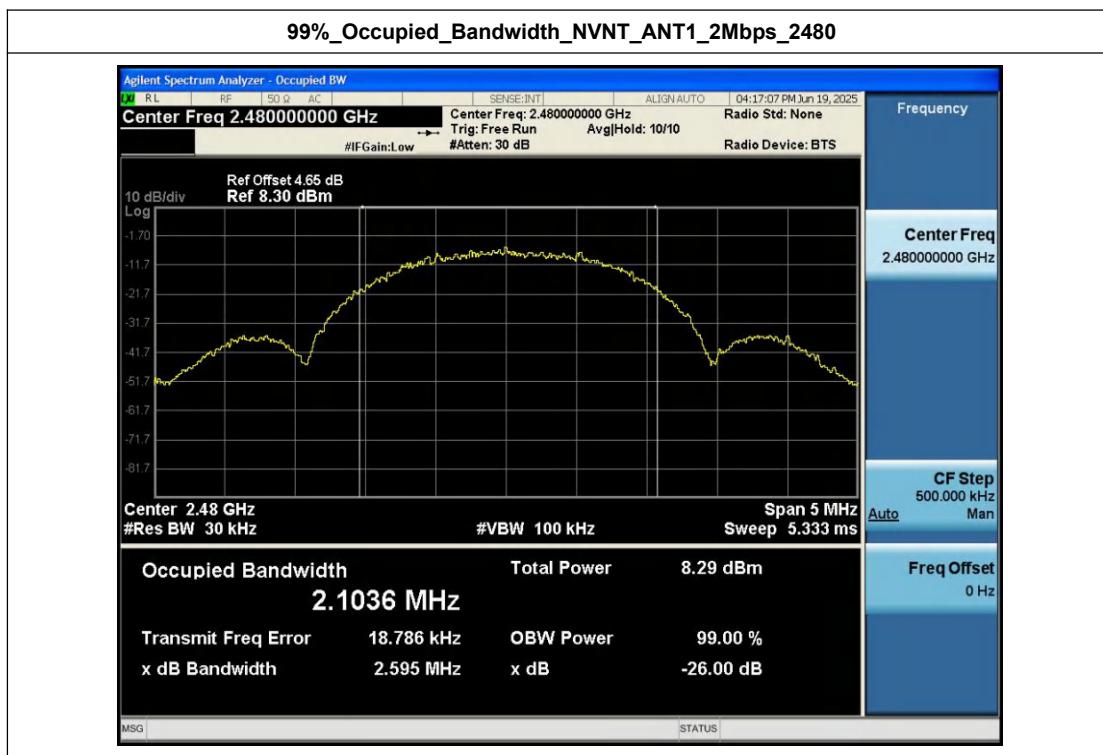
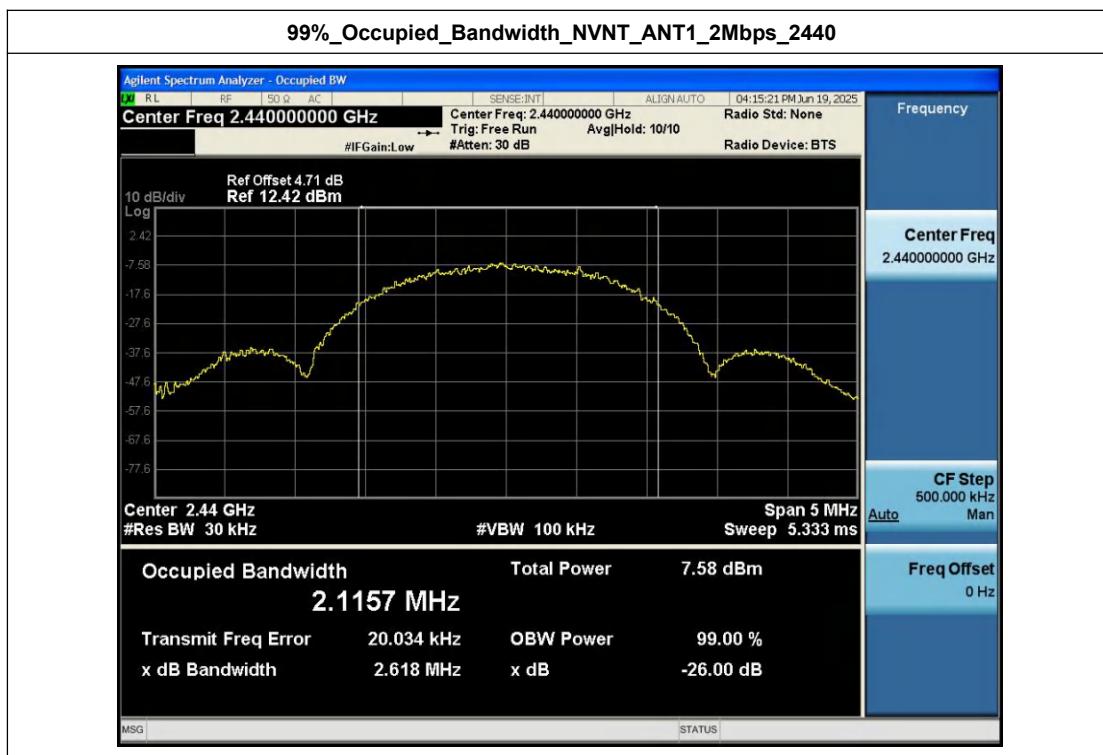
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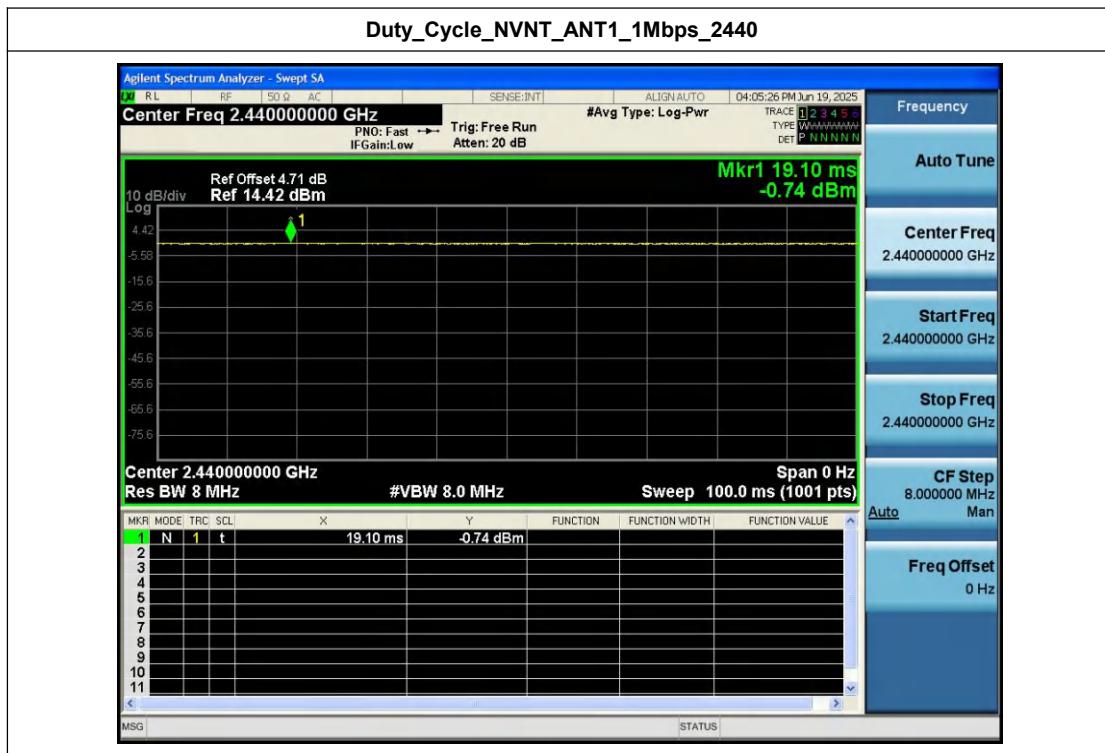
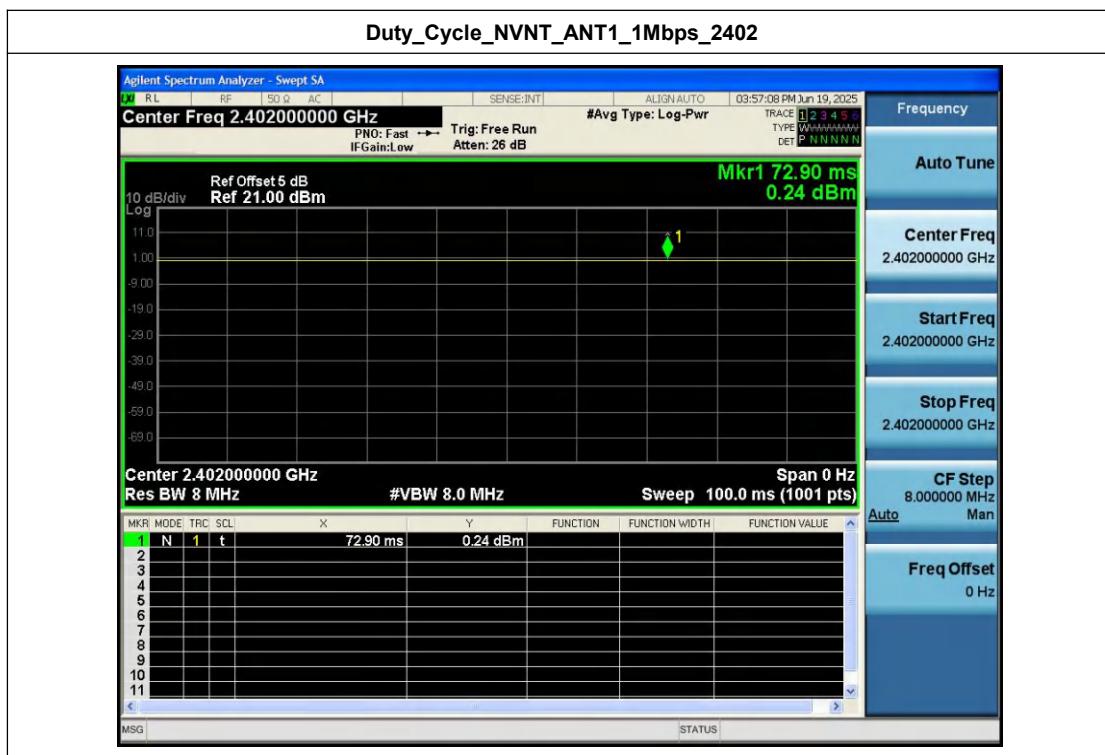
Appendix C: Duty Cycle

Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1Mbps	2402.00	100	0.00
NVNT	ANT1	1Mbps	2440.00	100	0.00
NVNT	ANT1	1Mbps	2480.00	100	0.00
NVNT	ANT1	2Mbps	2402.00	100	0.00
NVNT	ANT1	2Mbps	2440.00	100	0.00
NVNT	ANT1	2Mbps	2480.00	100	0.00

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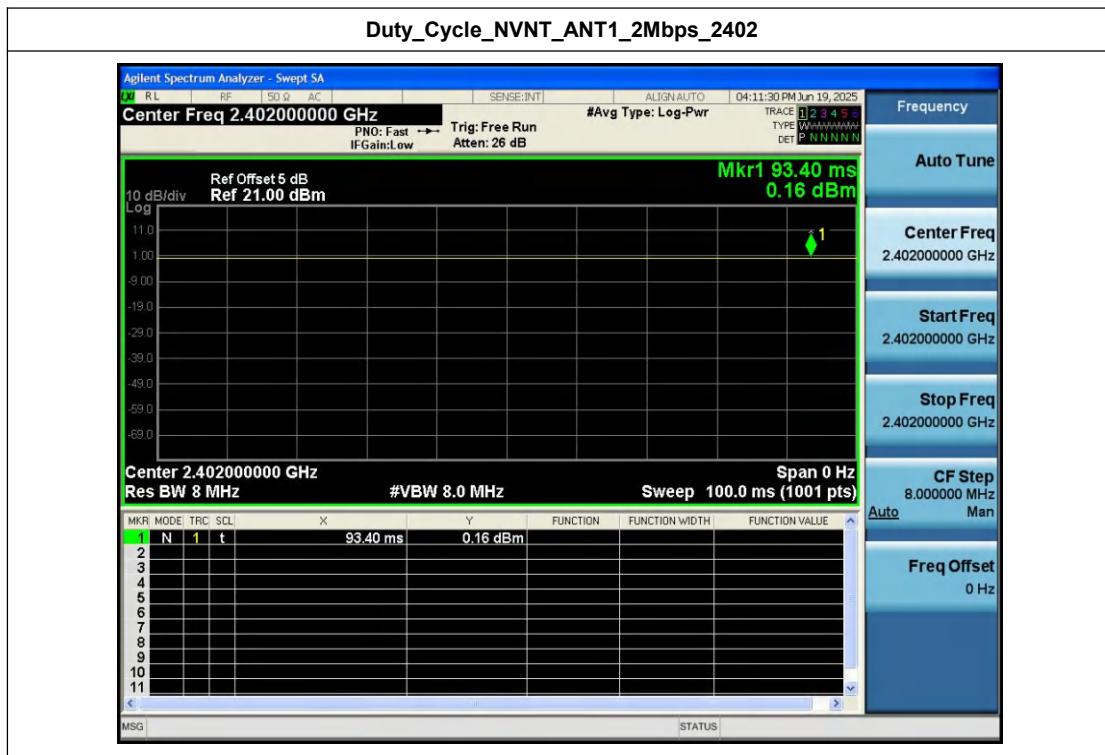
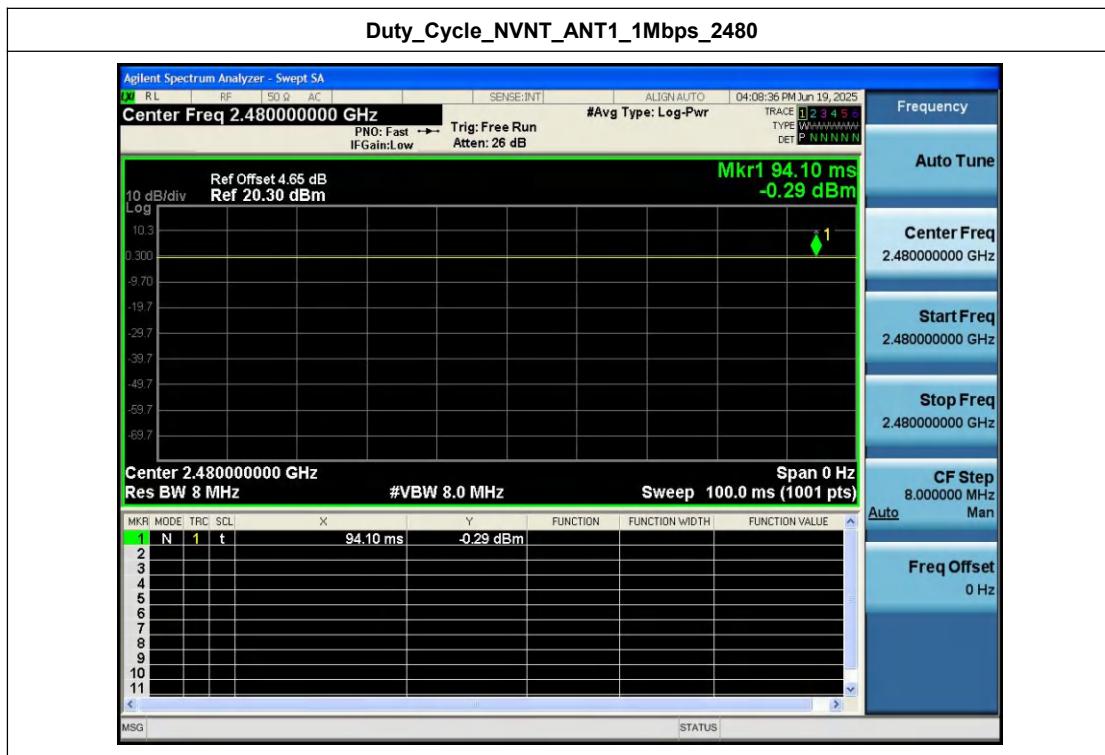
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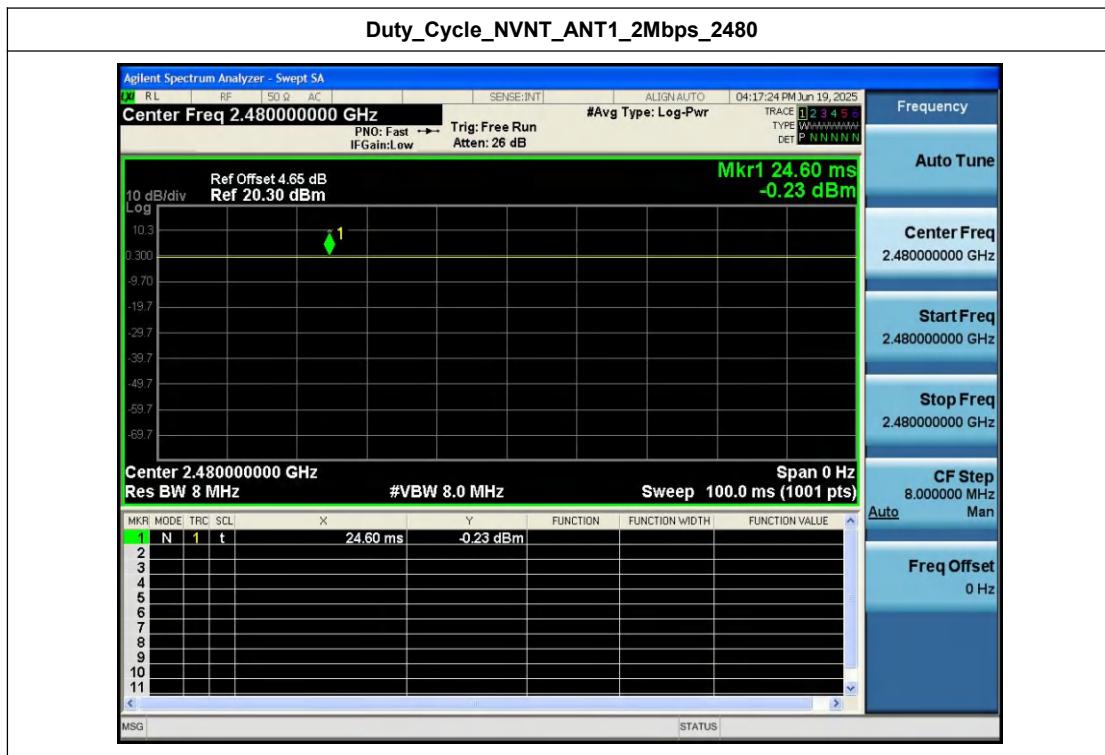
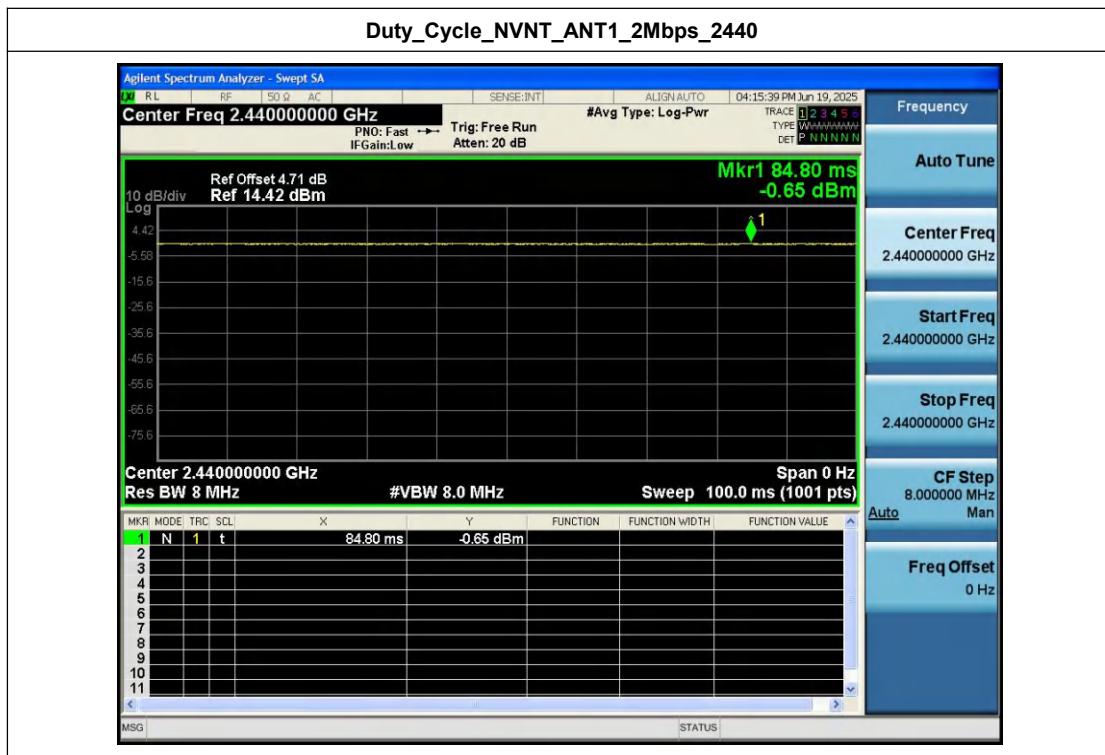
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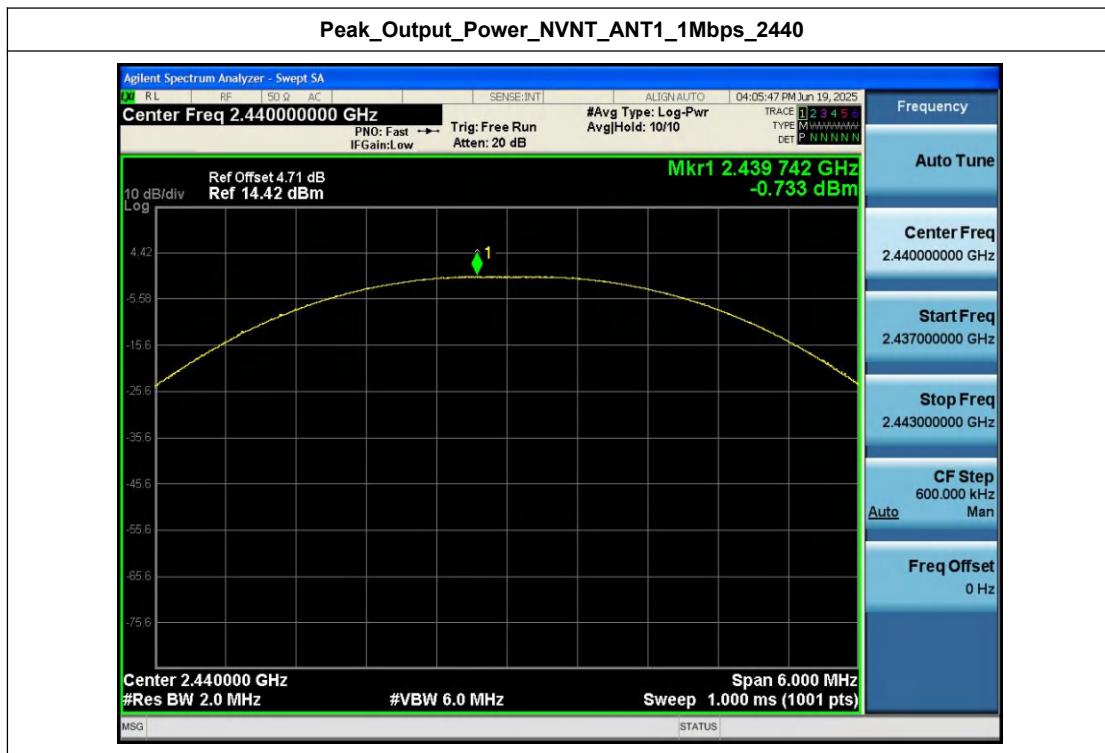
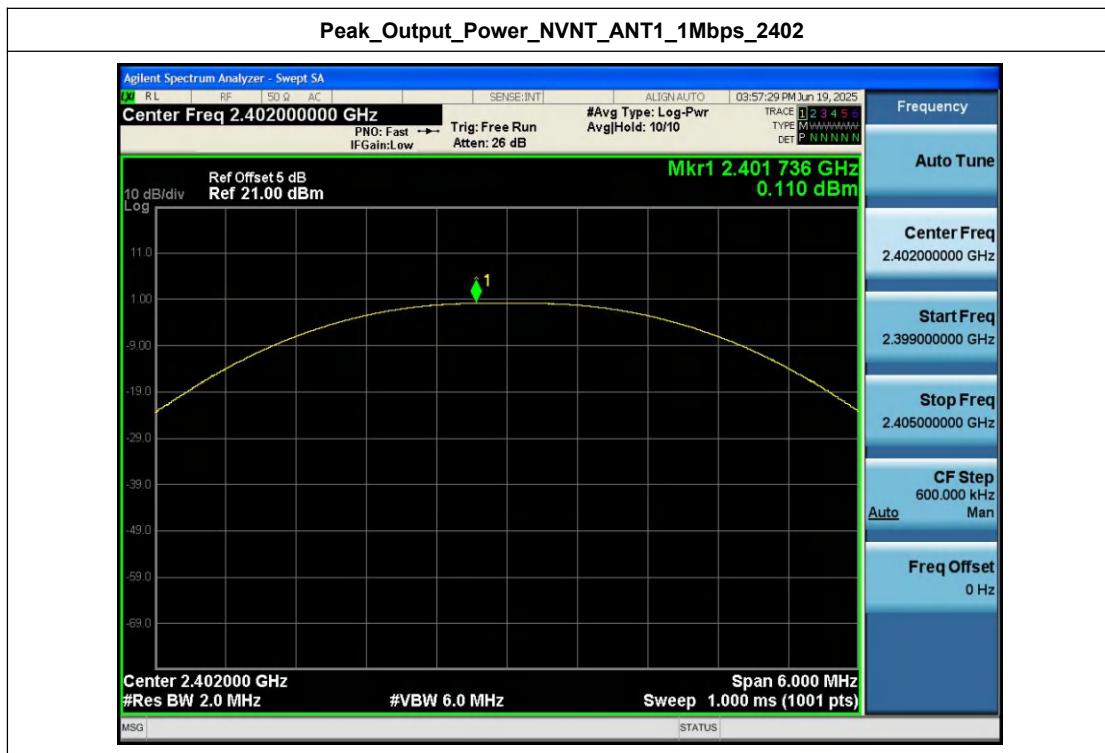
Appendix D: Peak Output Power(Right)

Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1Mbps	2402.00	0.11	1.03	1000	Pass
NVNT	ANT1	1Mbps	2440.00	-0.73	0.84	1000	Pass
NVNT	ANT1	1Mbps	2480.00	-0.57	0.88	1000	Pass
NVNT	ANT1	2Mbps	2402.00	-0.13	0.97	1000	Pass
NVNT	ANT1	2Mbps	2440.00	-0.80	0.83	1000	Pass
NVNT	ANT1	2Mbps	2480.00	-0.53	0.89	1000	Pass

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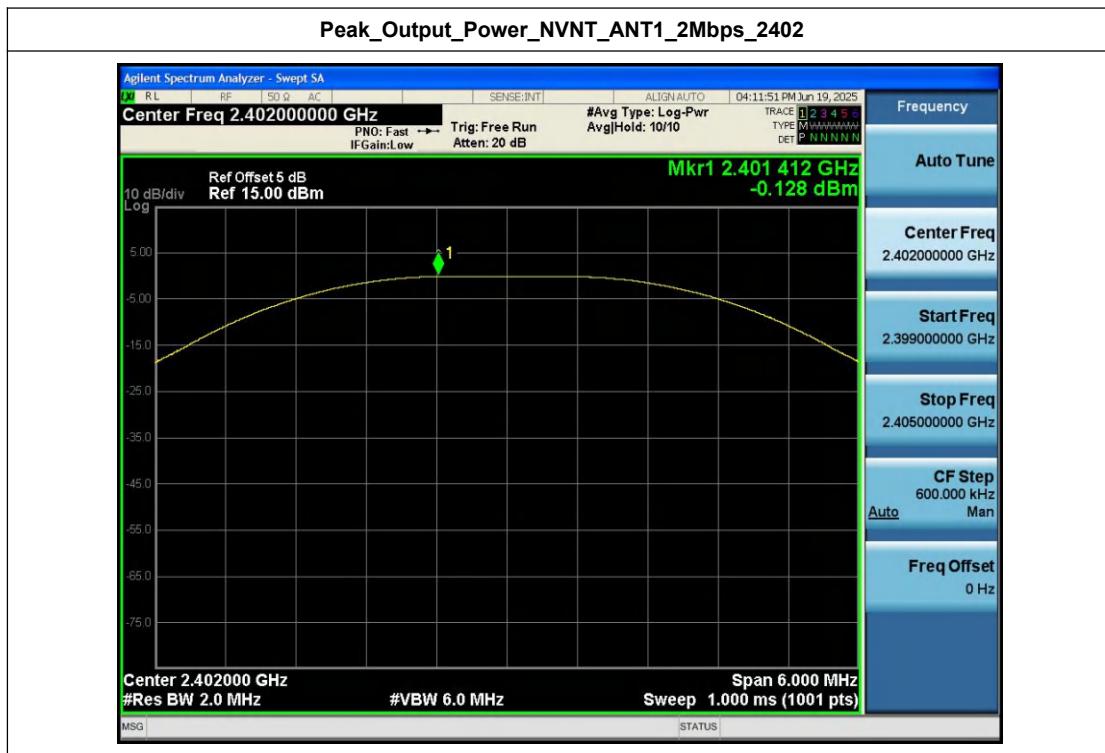
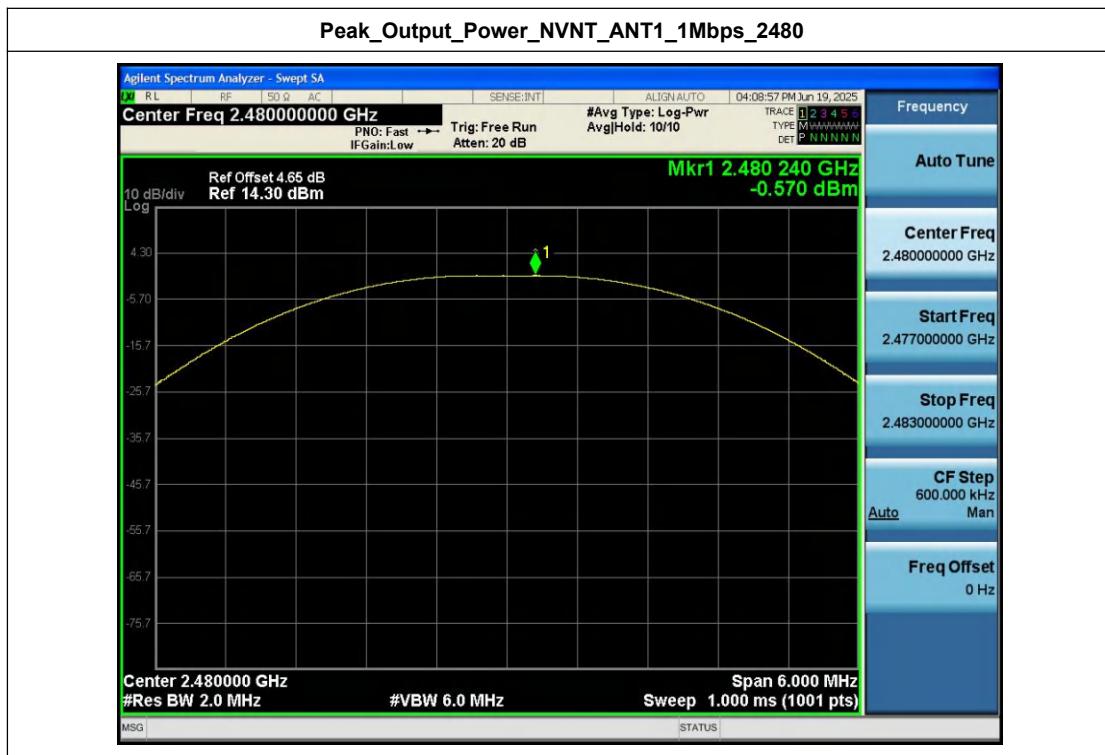
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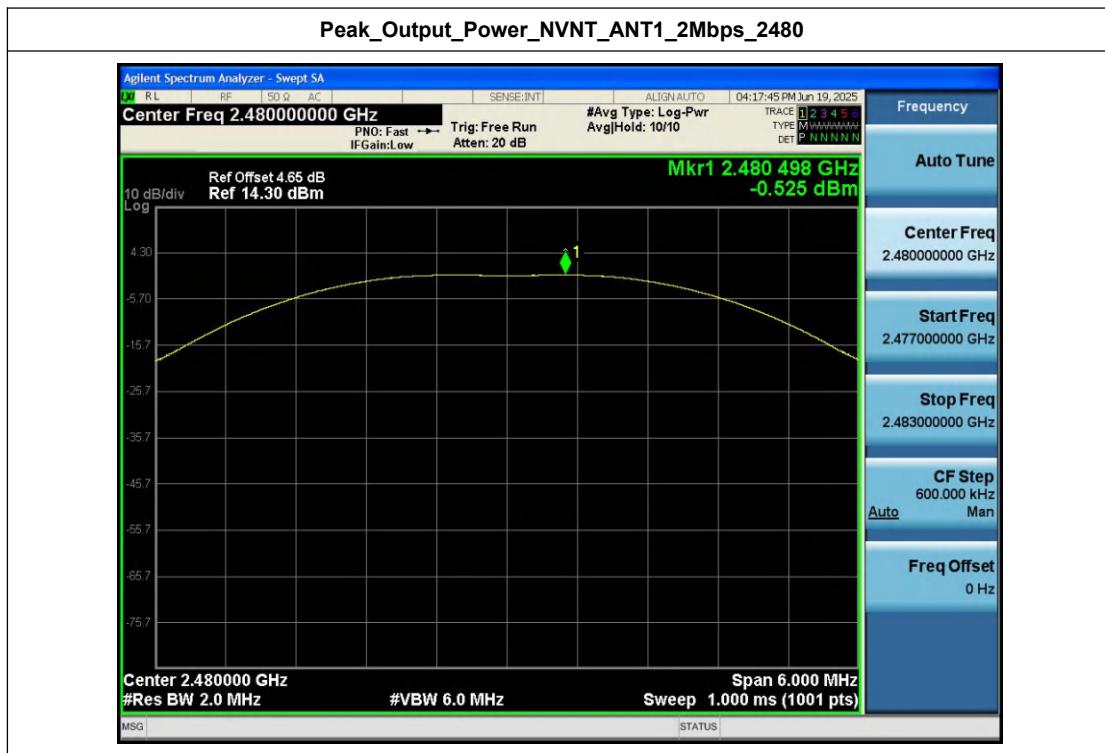
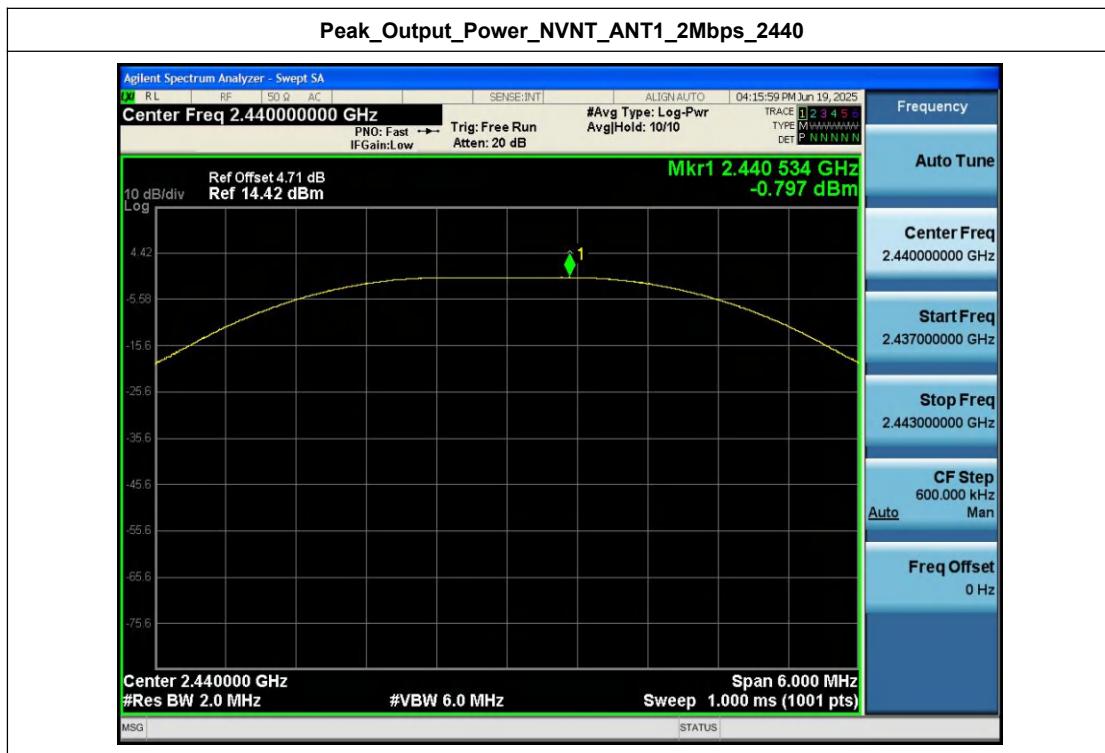
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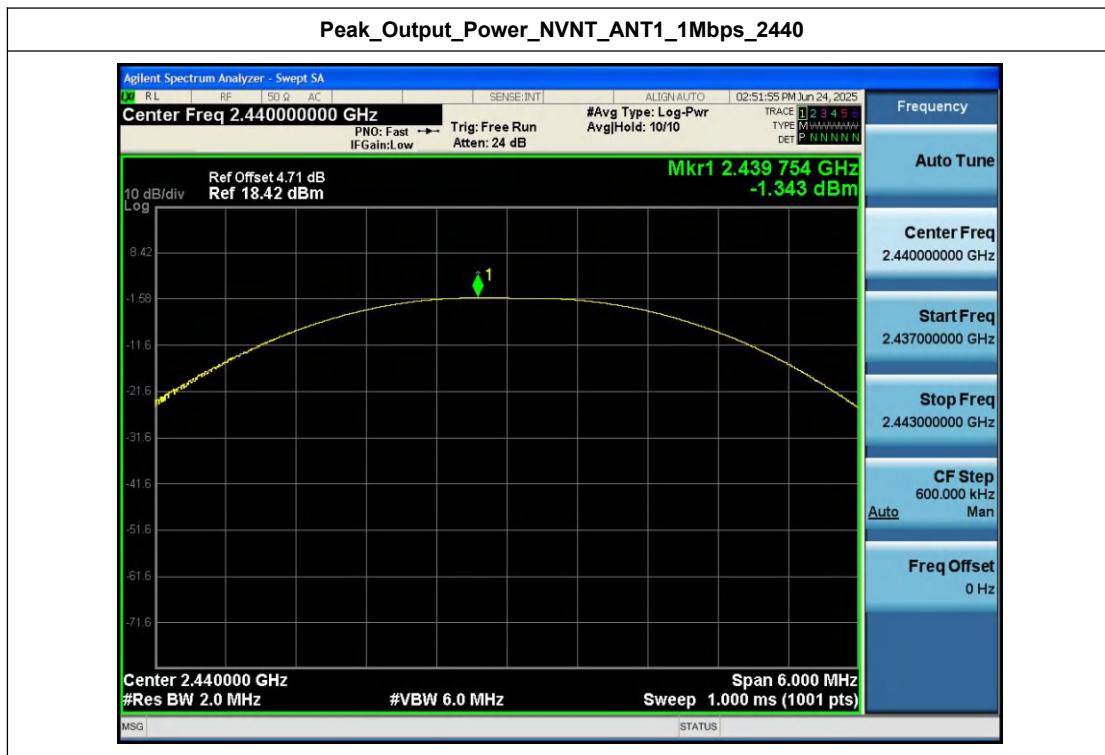
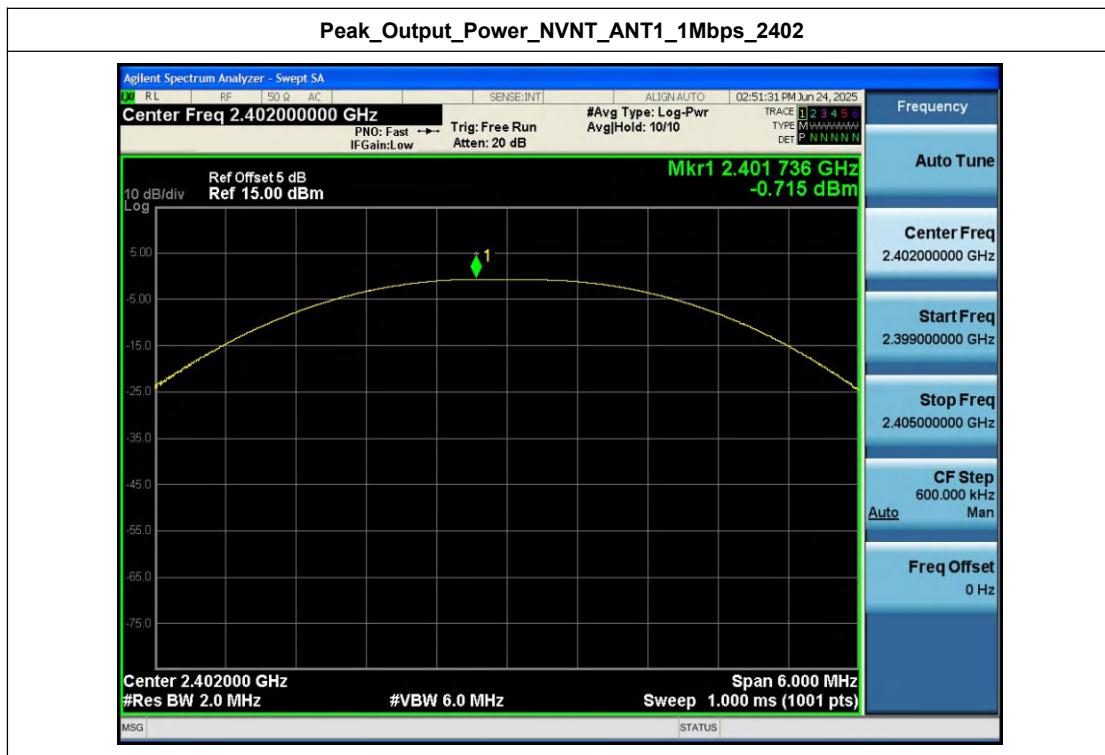
Appendix E: Peak Output Power(Left)

Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1Mbps	2402.00	-0.71	0.85	1000	Pass
NVNT	ANT1	1Mbps	2440.00	-1.34	0.73	1000	Pass
NVNT	ANT1	1Mbps	2480.00	-2.12	0.61	1000	Pass
NVNT	ANT1	2Mbps	2402.00	-2.04	0.63	1000	Pass
NVNT	ANT1	2Mbps	2440.00	-2.54	0.56	1000	Pass
NVNT	ANT1	2Mbps	2480.00	-2.13	0.61	1000	Pass

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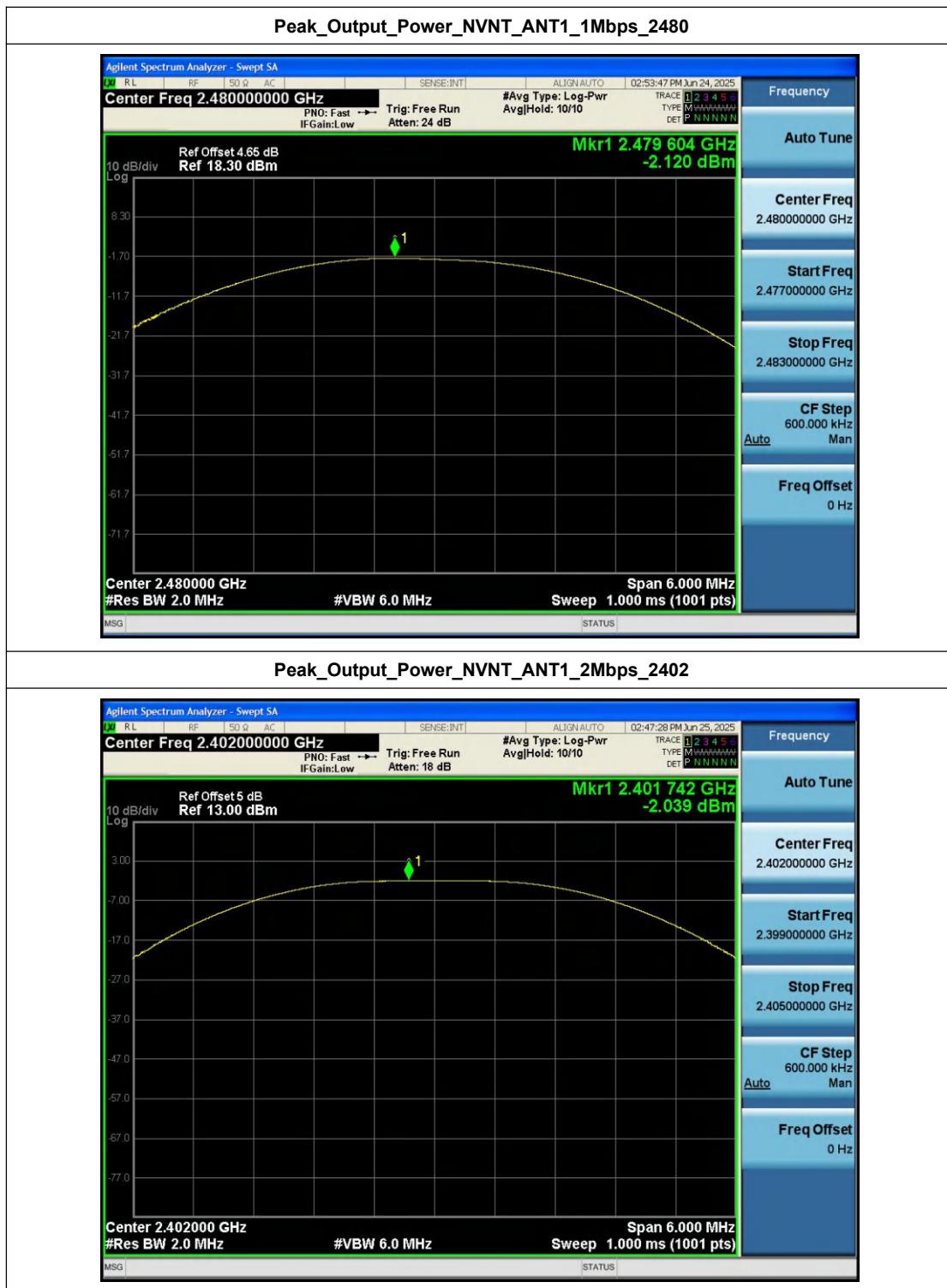
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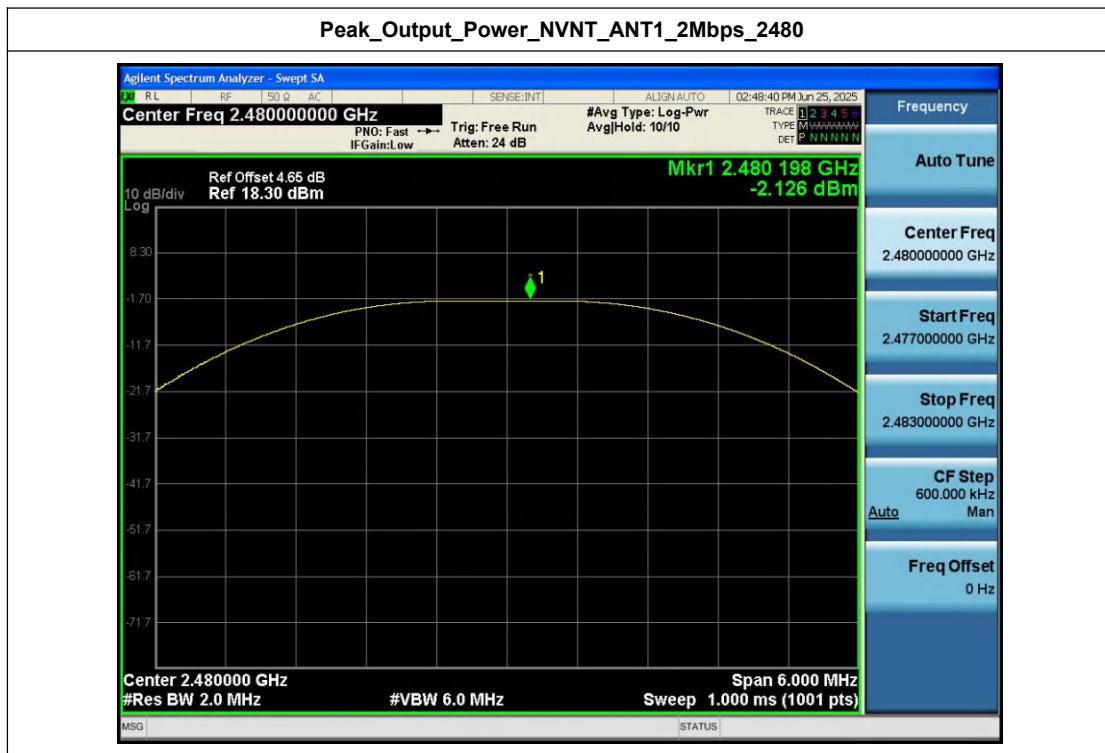
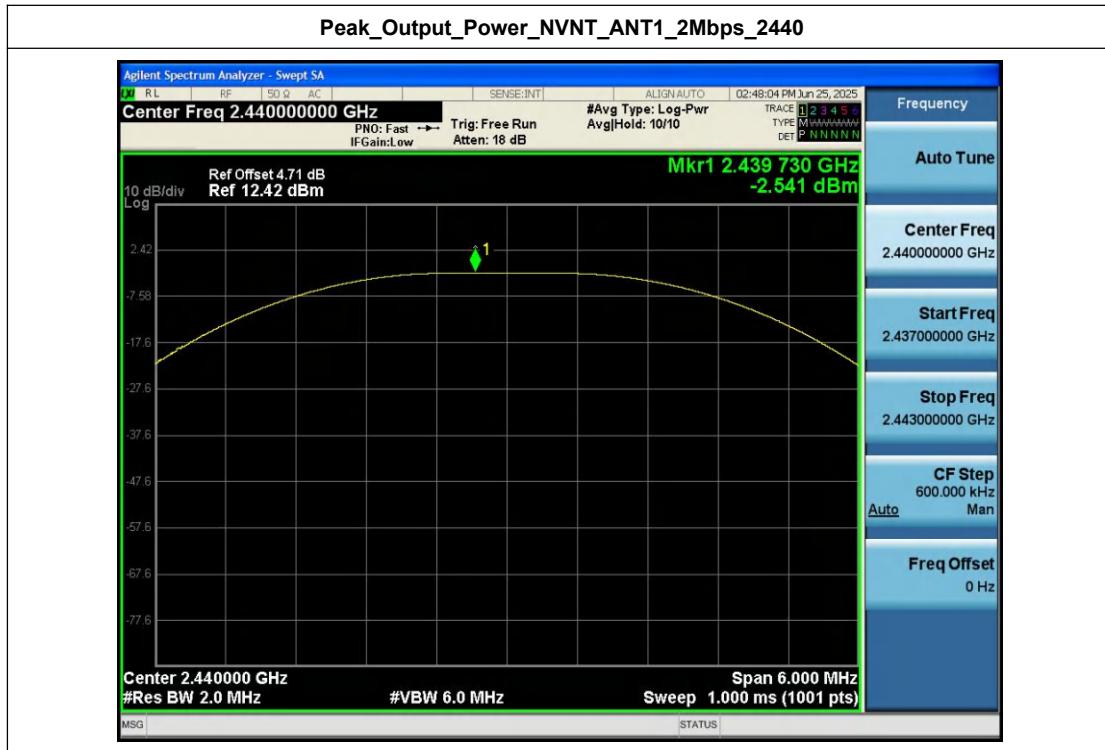
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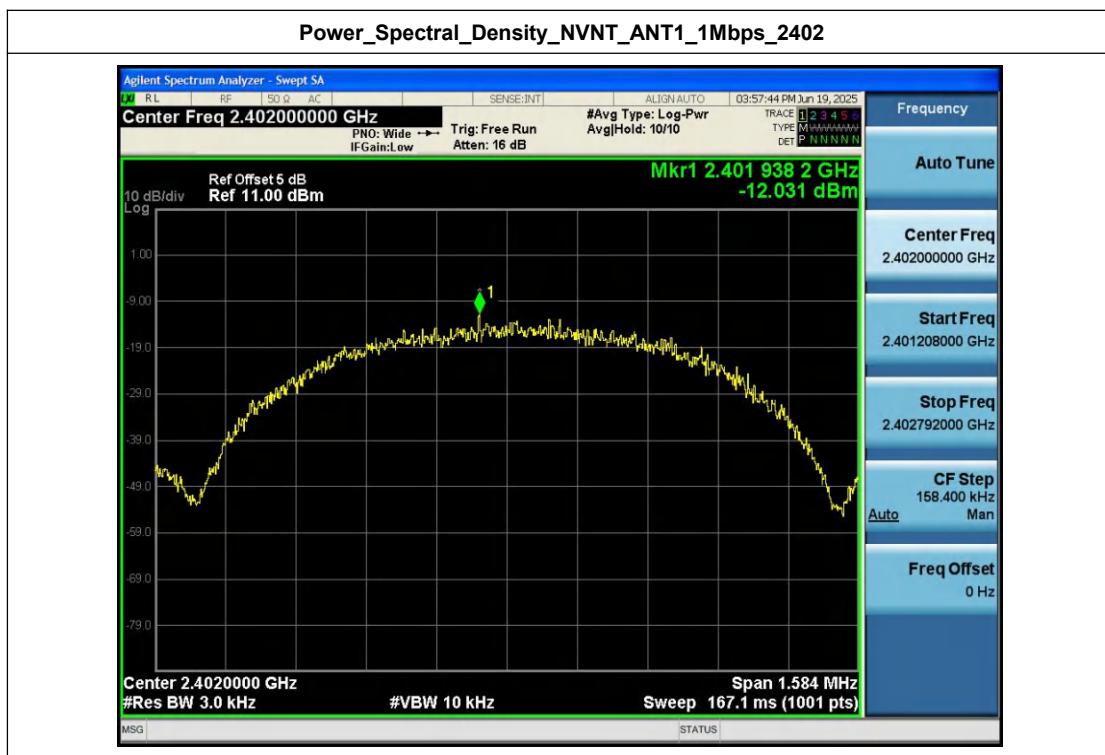
Appendix F: Power Spectral Density

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm/3kHz)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402.00	-12.03	8	Pass
NVNT	ANT1	1Mbps	2440.00	-12.78	8	Pass
NVNT	ANT1	1Mbps	2480.00	-12.75	8	Pass
NVNT	ANT1	2Mbps	2402.00	-15.54	8	Pass
NVNT	ANT1	2Mbps	2440.00	-16.00	8	Pass
NVNT	ANT1	2Mbps	2480.00	-16.80	8	Pass

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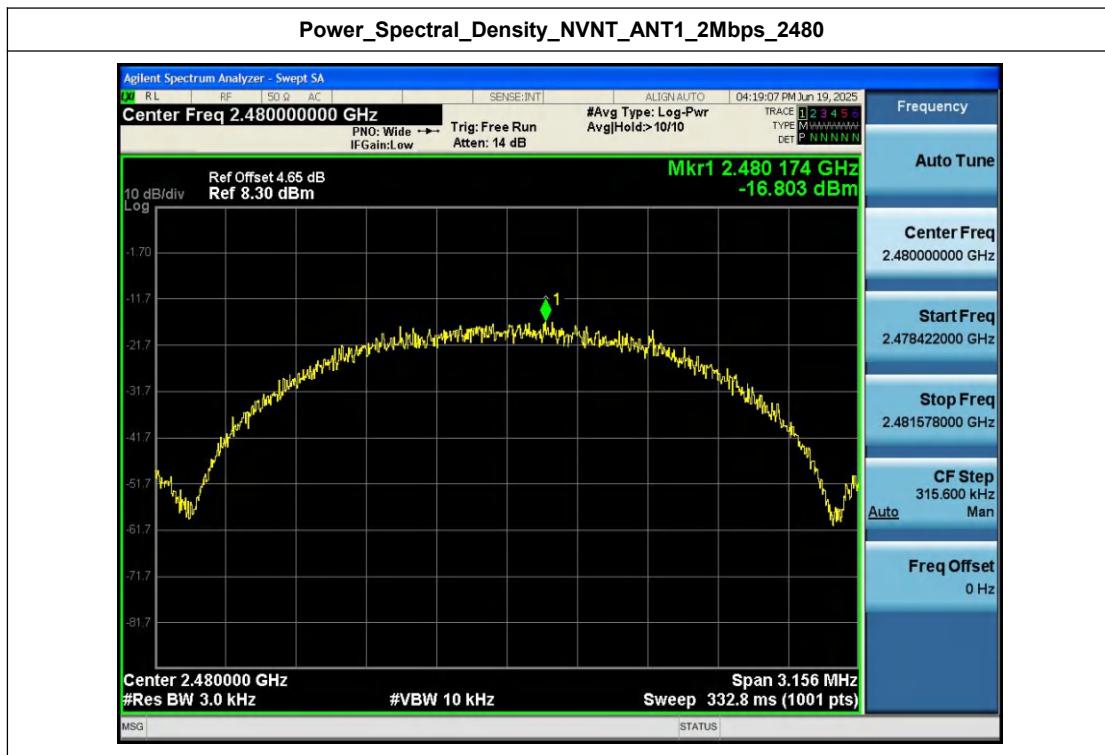
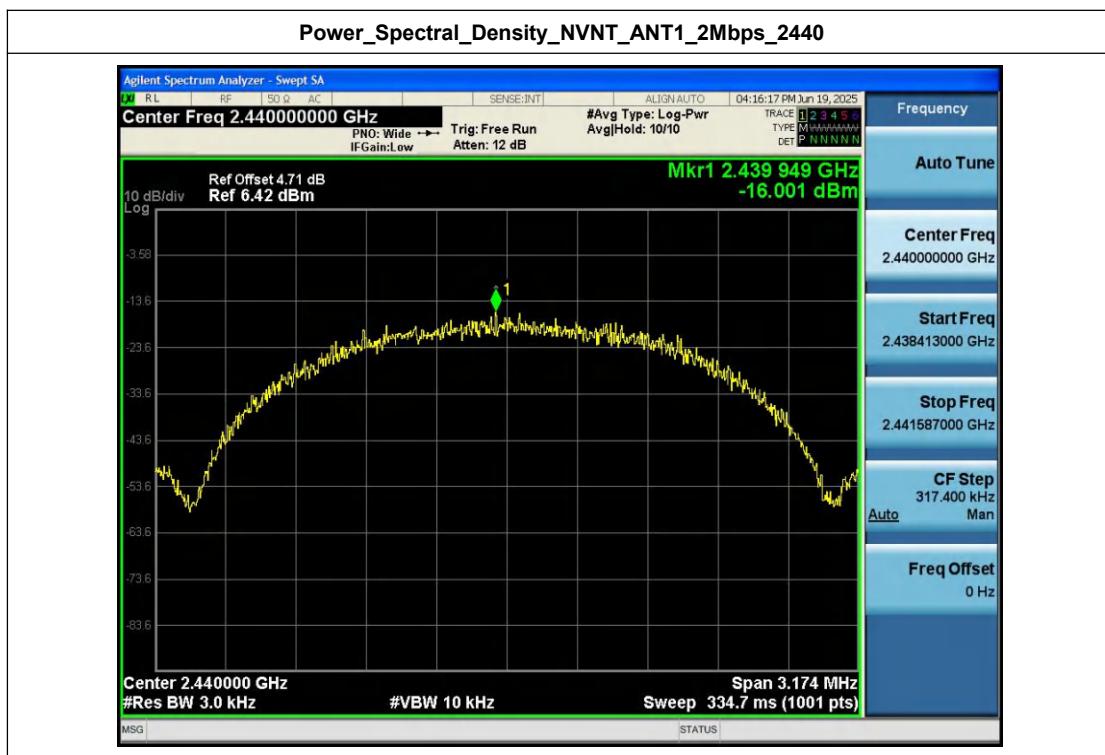
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Appendix G: Bandedge

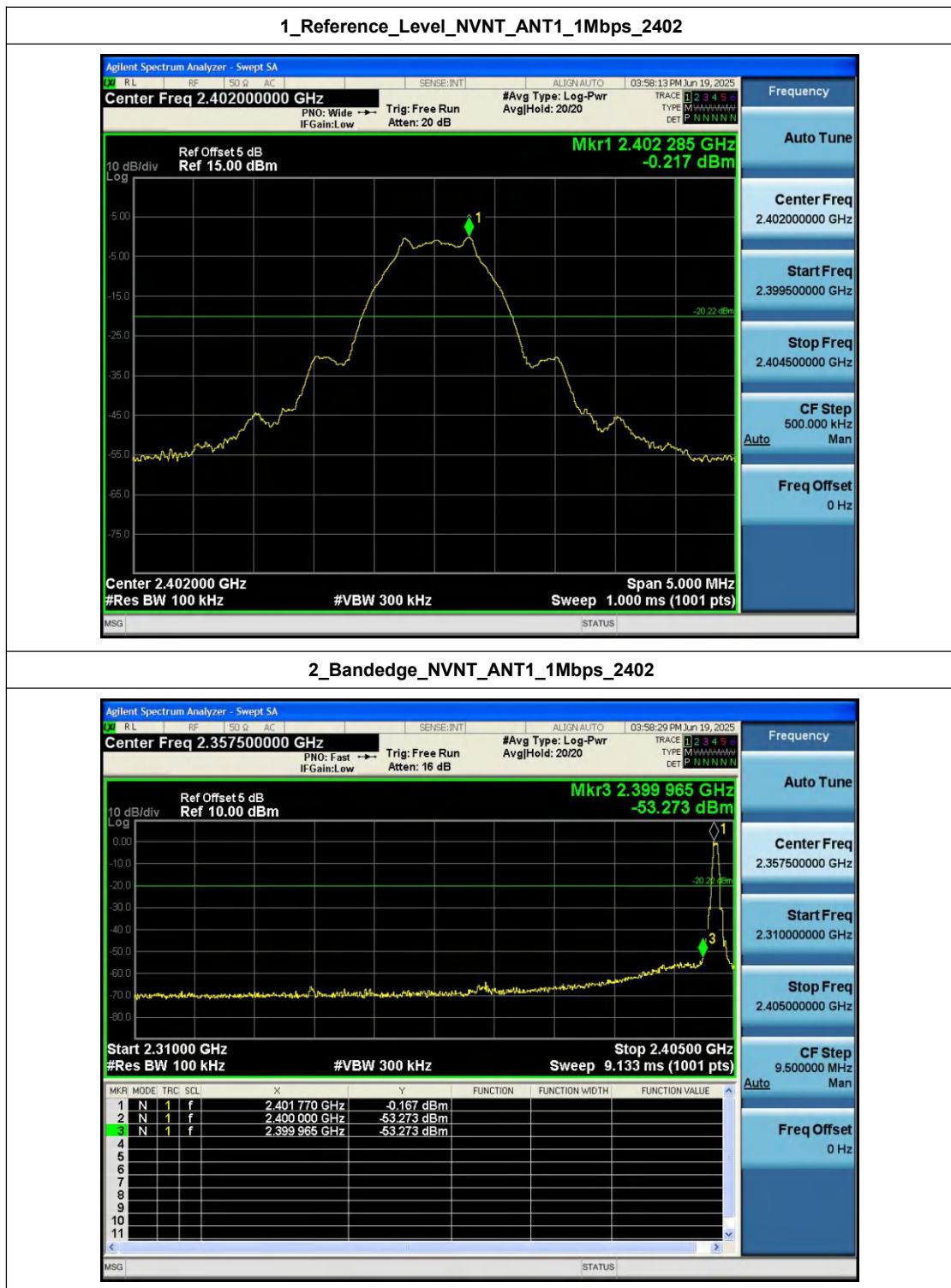
Condition	Antenn	Modulatio	TX_Frequenc	Max.	Ref_level(dB	Spurious	limit(dBm	Resul
n	a	n	y (MHz)	Mark_freq(MHz)	m)	level(dBm))	t
NVNT	ANT1	1Mbps	2402.00	2399.965	-0.217	-53.273	-20.217	Pass
NVNT	ANT1	1Mbps	2480.00	2486.775	-0.930	-55.772	-20.930	Pass
NVNT	ANT1	2Mbps	2402.00	2399.965	-1.639	-33.514	-21.639	Pass
NVNT	ANT1	2Mbps	2480.00	2483.525	-1.879	-53.711	-21.879	Pass

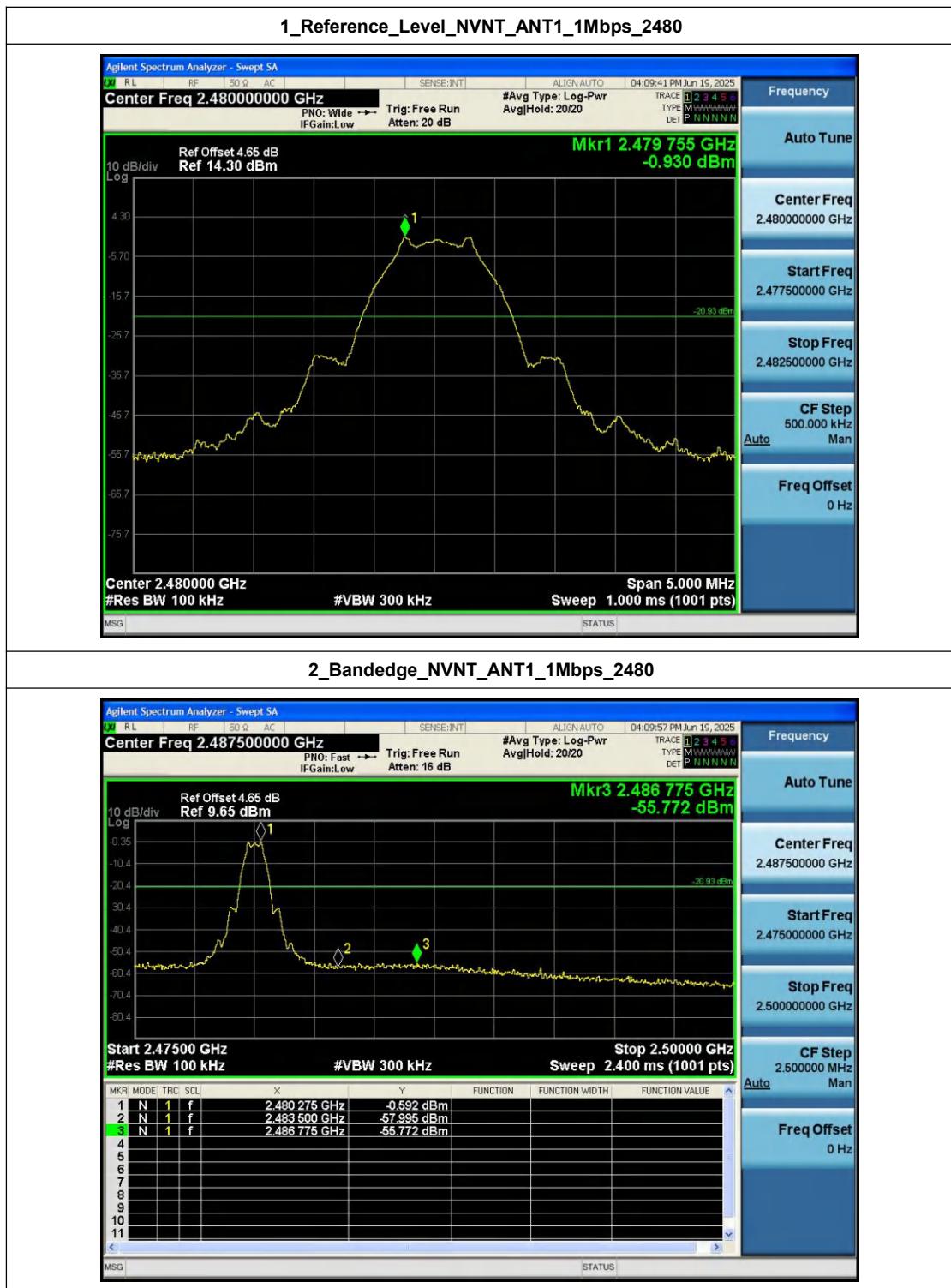
Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable loss have been set in the 'offset' of the Spectrum Analyzer during the test.

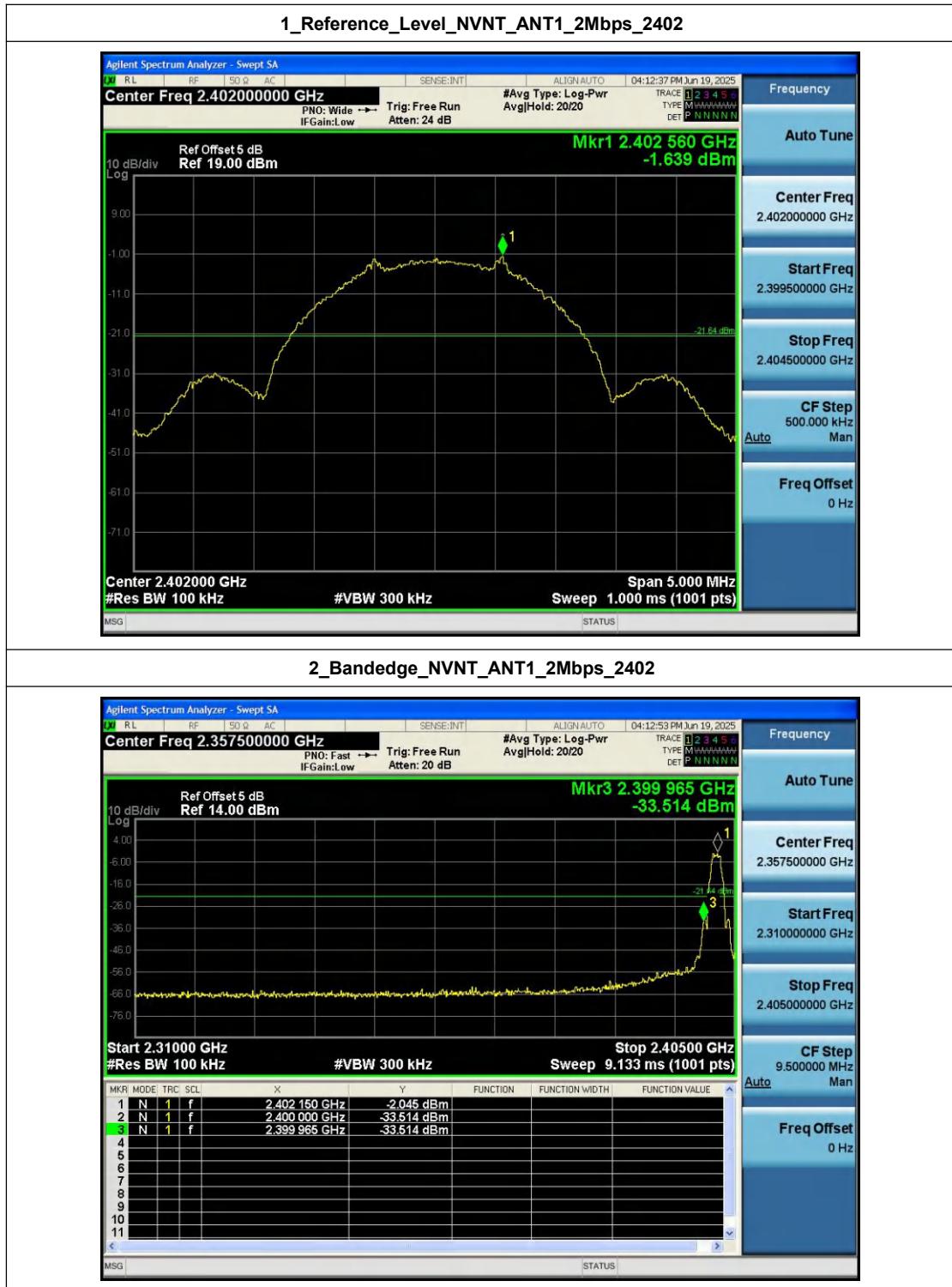
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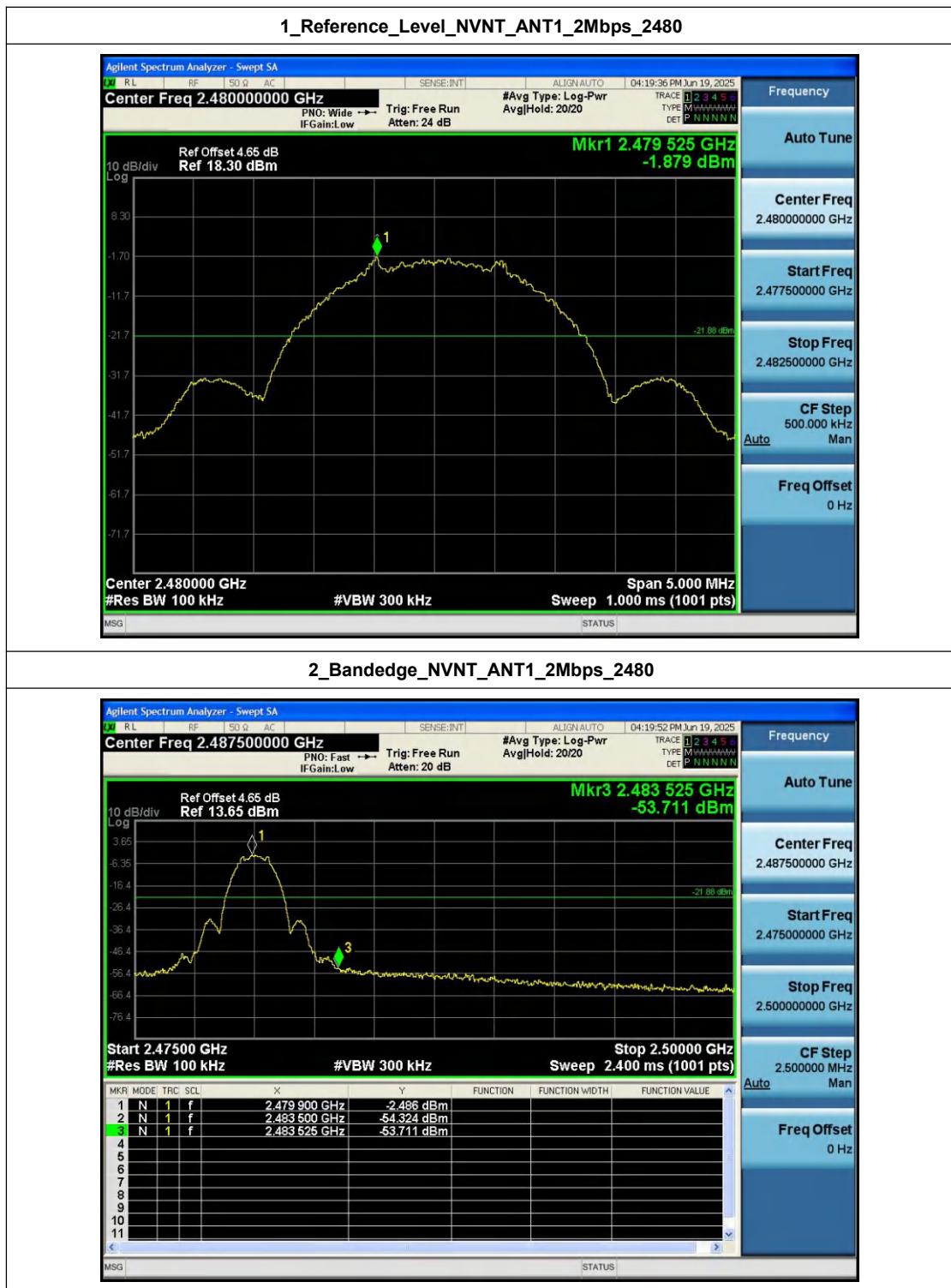
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Appendix H: Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	-0.572	-44.756	-20.572	Pass
NVNT	ANT1	1Mbps	2440.00	-0.978	-43.448	-20.978	Pass
NVNT	ANT1	1Mbps	2480.00	-0.966	-44.228	-20.966	Pass
NVNT	ANT1	2Mbps	2402.00	-2.510	-44.565	-22.510	Pass
NVNT	ANT1	2Mbps	2440.00	-2.358	-44.970	-22.358	Pass
NVNT	ANT1	2Mbps	2480.00	-3.042	-44.546	-23.042	Pass

Note:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable loss have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

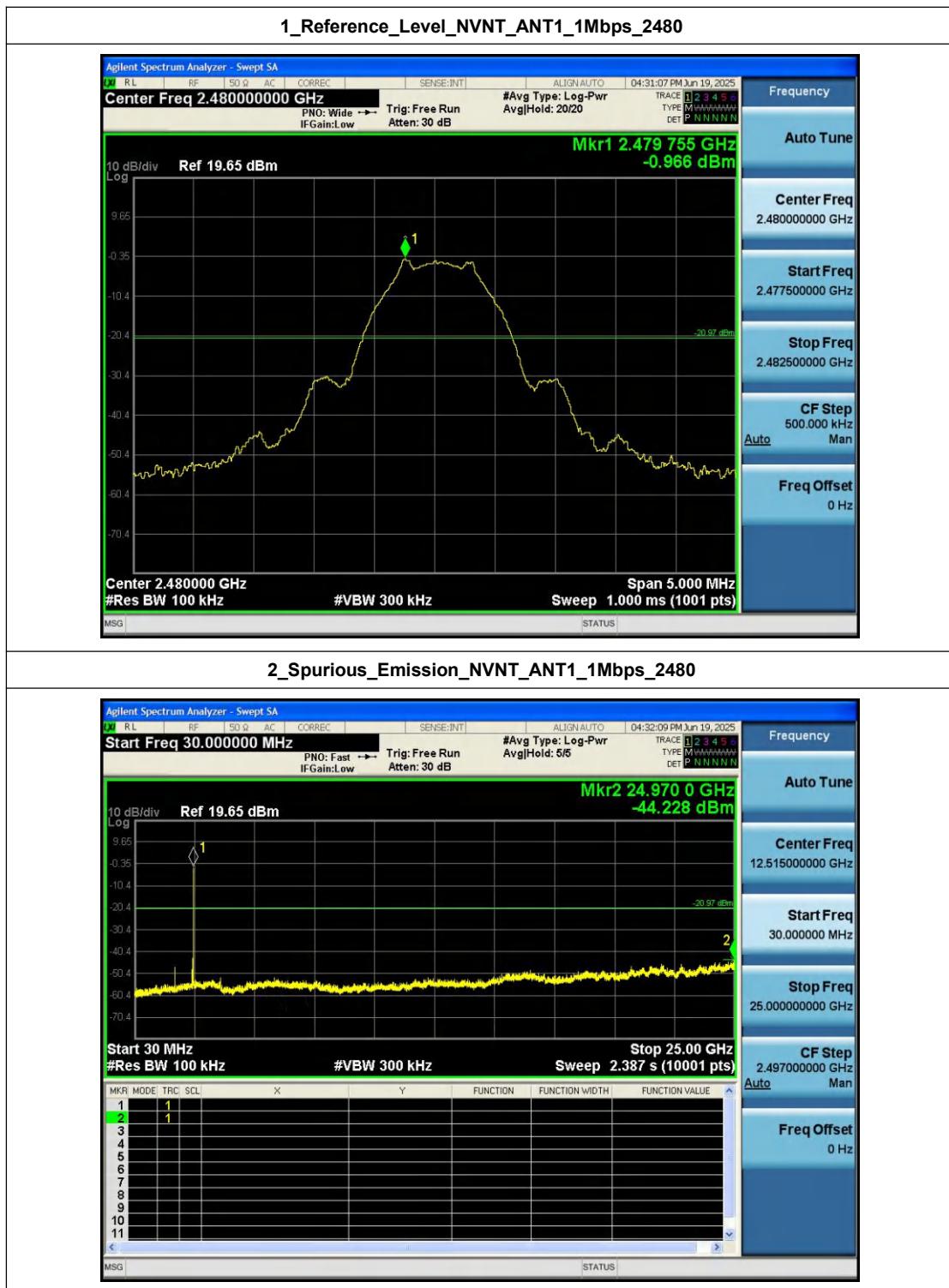
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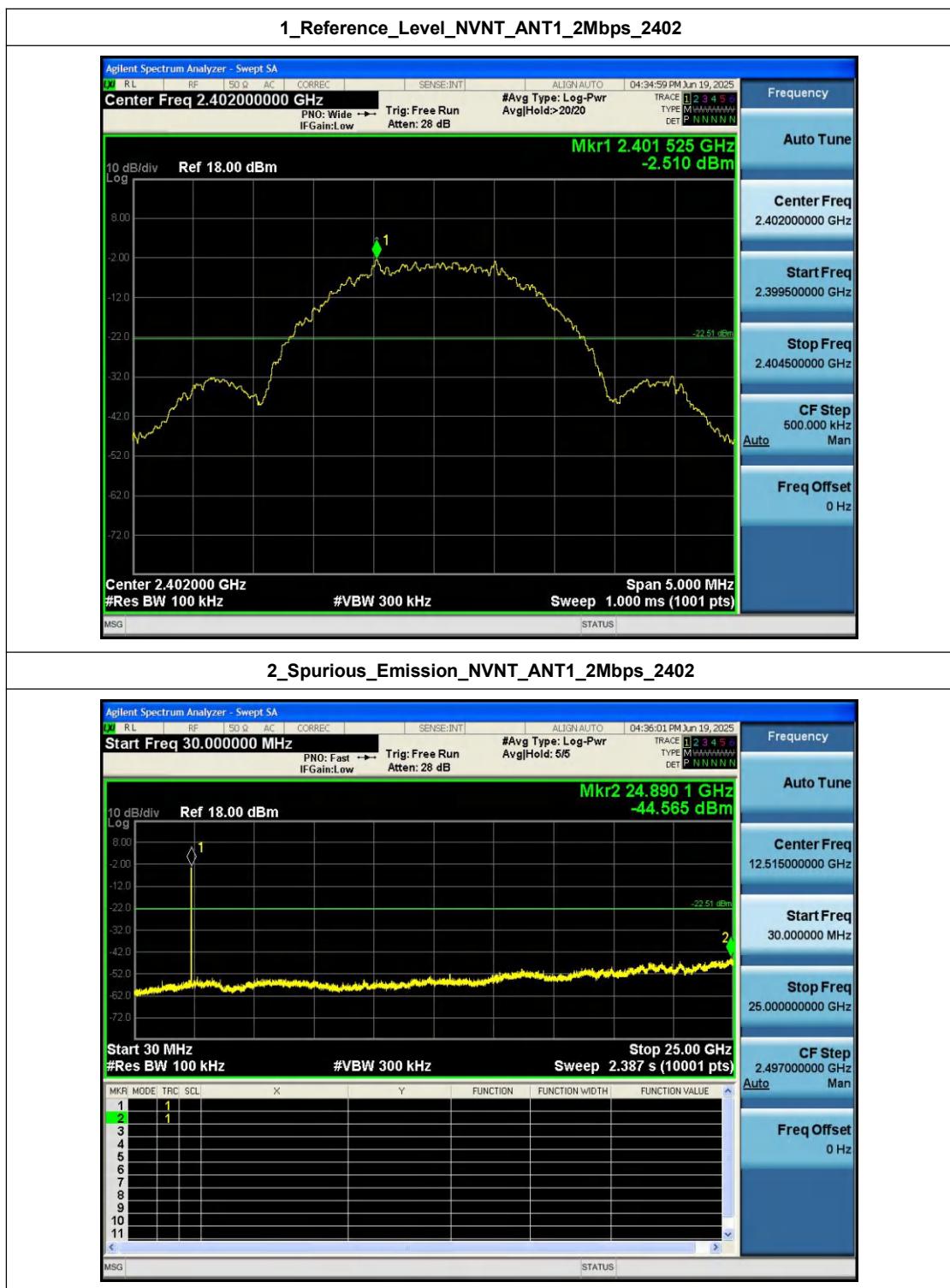
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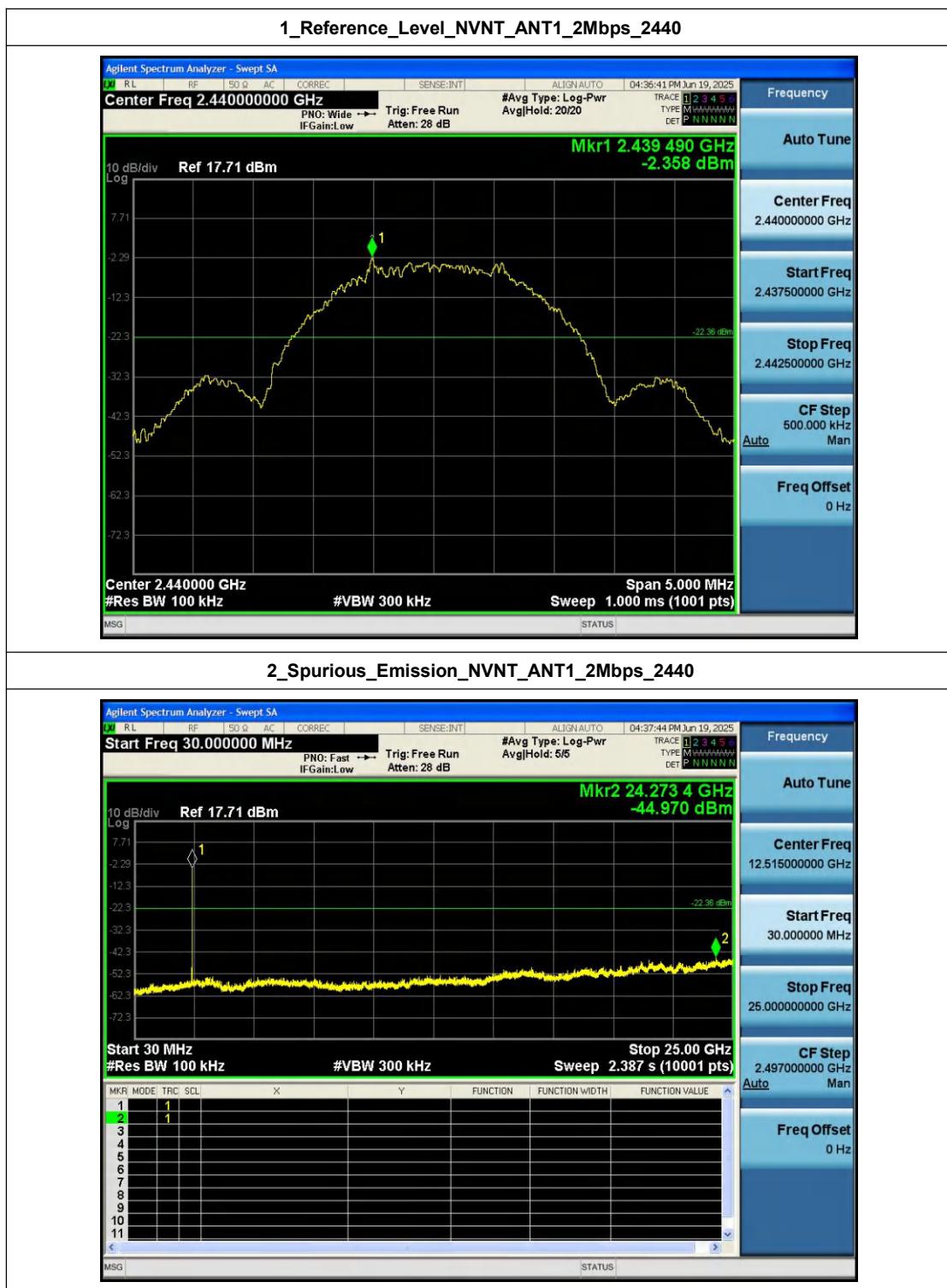
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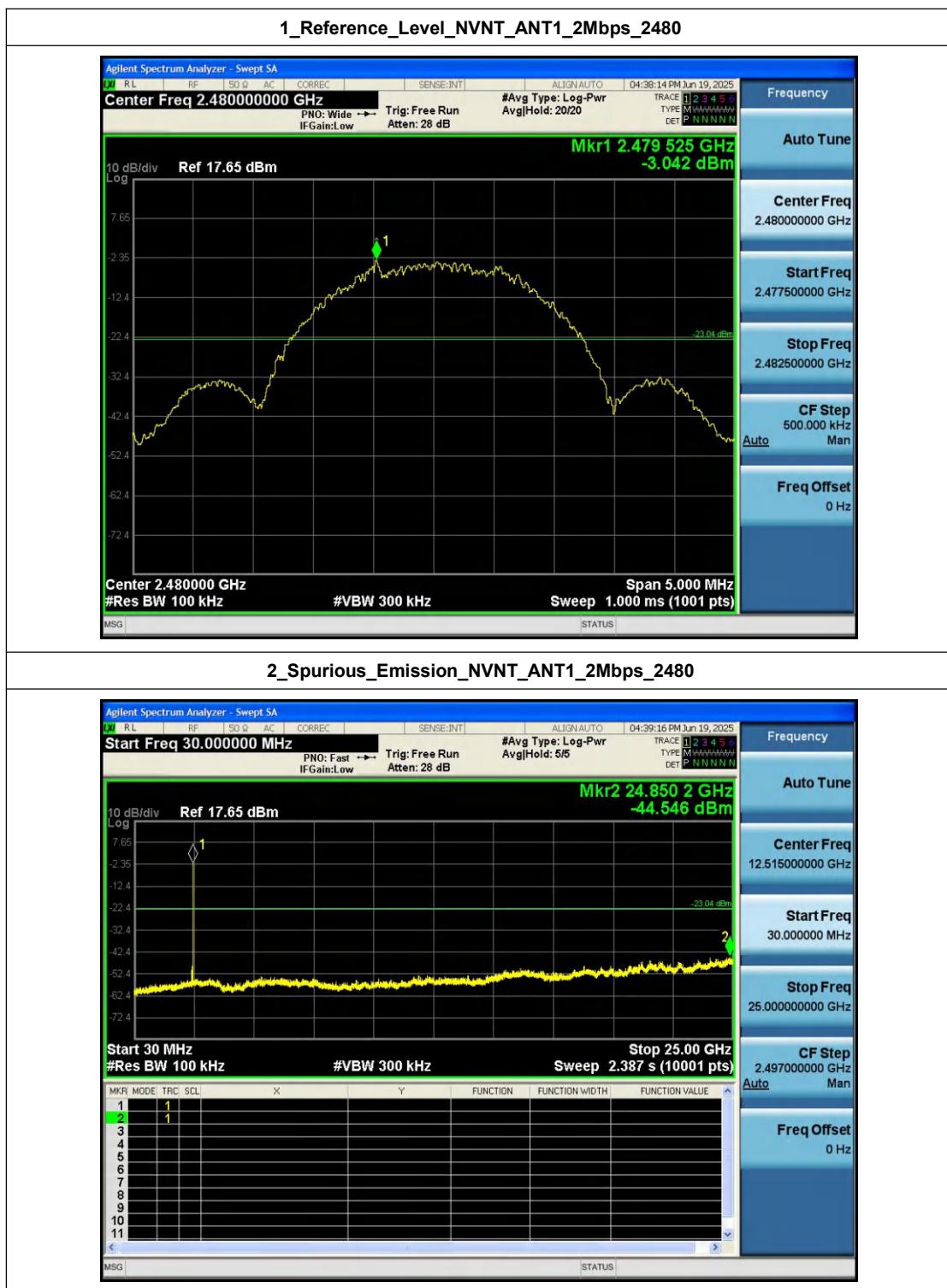












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