

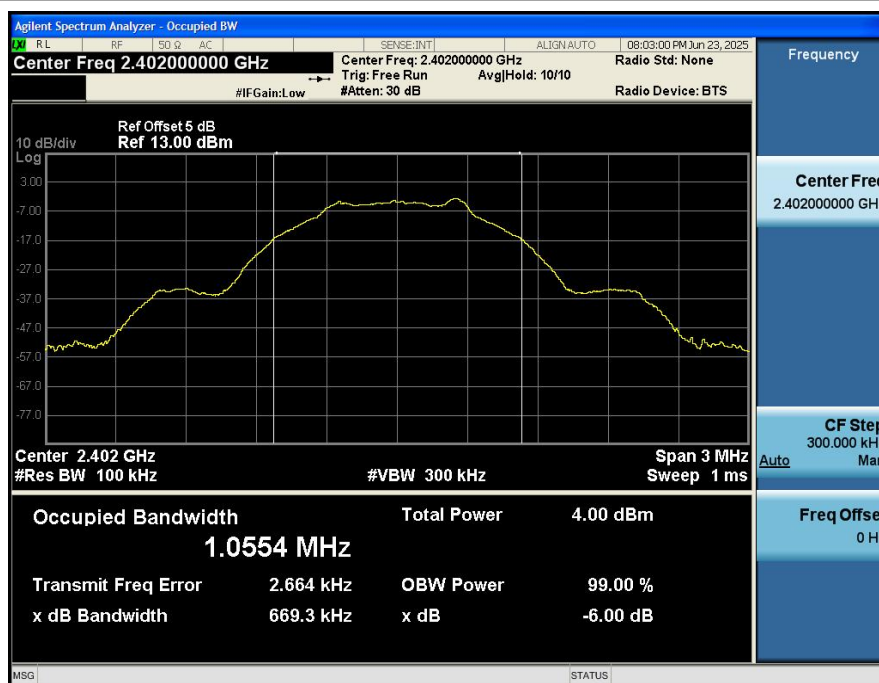
Appendix Test Data

Report No.:	1812C50297512501	Test Sample No.:	1-2-2
Start Test Date:	2025.6.20	Finish Test Date:	2025.6.24
Test Engineer:	<i>Liangfei Yang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.3°C	Relative Humidity:	50%
Pressure:	101kPa		

Appendix A: -6dB Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402.00	669.28	500	Pass
NVNT	ANT1	1Mbps	2440.00	668.36	500	Pass
NVNT	ANT1	1Mbps	2480.00	667.66	500	Pass

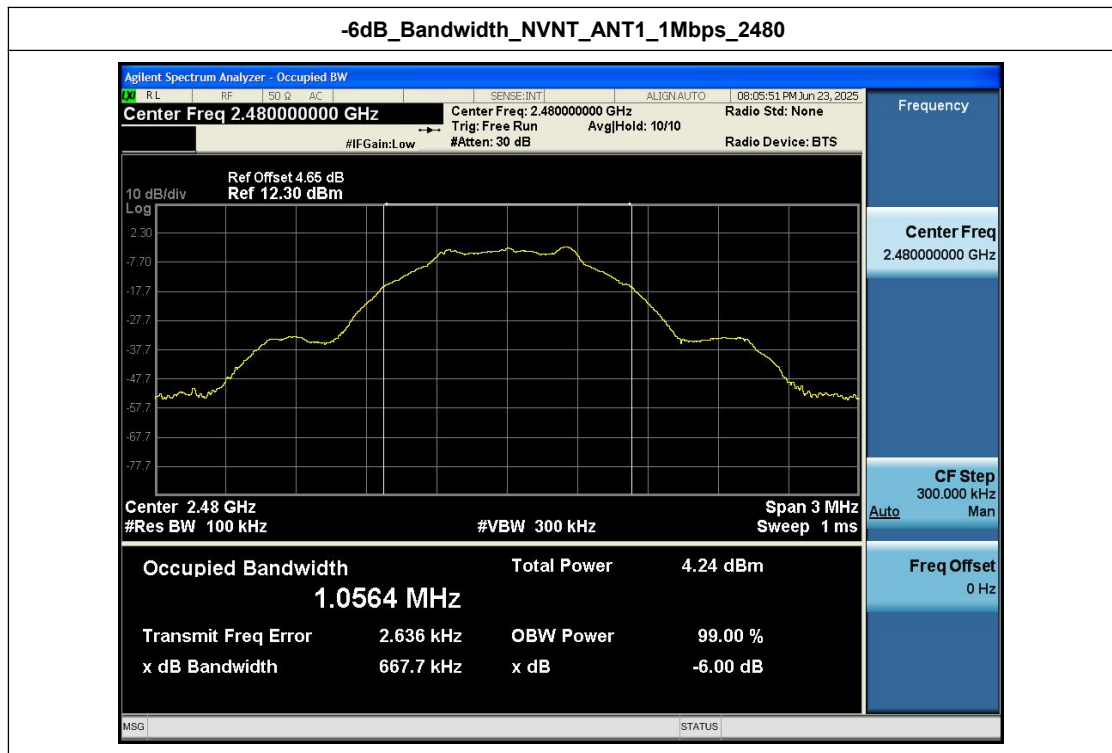
-6dB_Bandwidth_NVNT_ANT1_1Mbps_2402



-6dB_Bandwidth_NVNT_ANT1_1Mbps_2440



-6dB_Bandwidth_NVNT_ANT1_1Mbps_2480



Appendix B: 99% Occupied Bandwidth

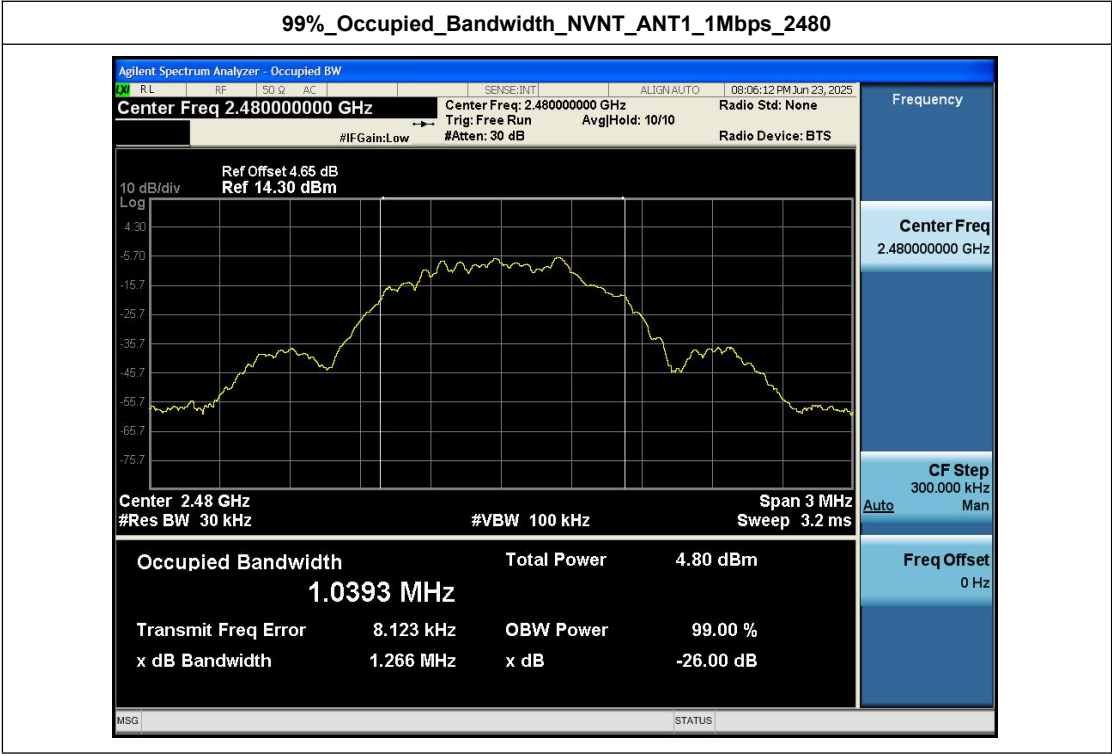
Condition	Antenna	Rate	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	1Mbps	2402.00	1.039
NVNT	ANT1	1Mbps	2440.00	1.039
NVNT	ANT1	1Mbps	2480.00	1.039

99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2402



99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2440





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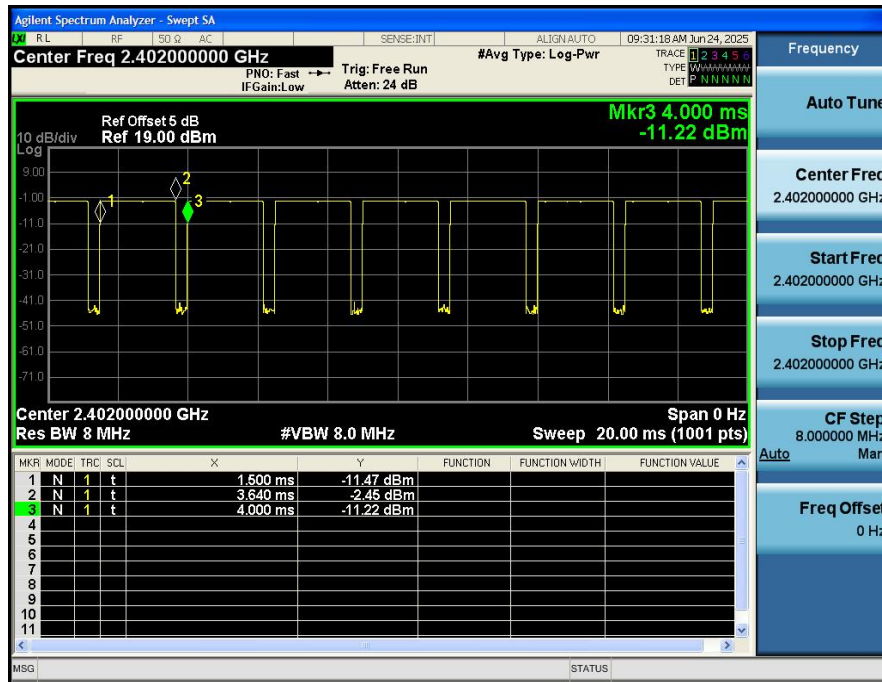
400-003-0500

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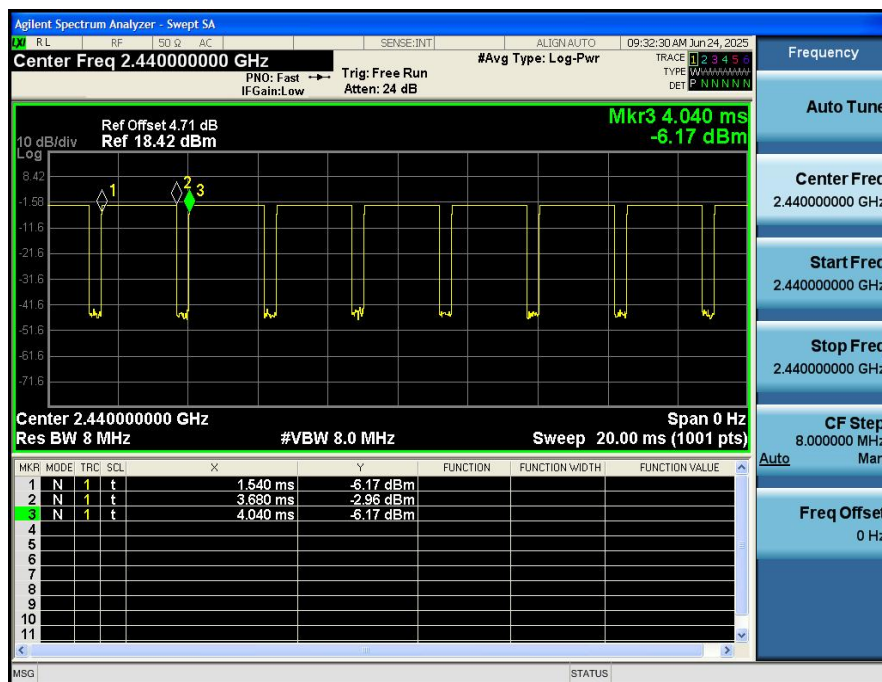
Appendix C: Duty Cycle

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

Duty_Cycle_NVNT_ANT1_1Mbps_2402



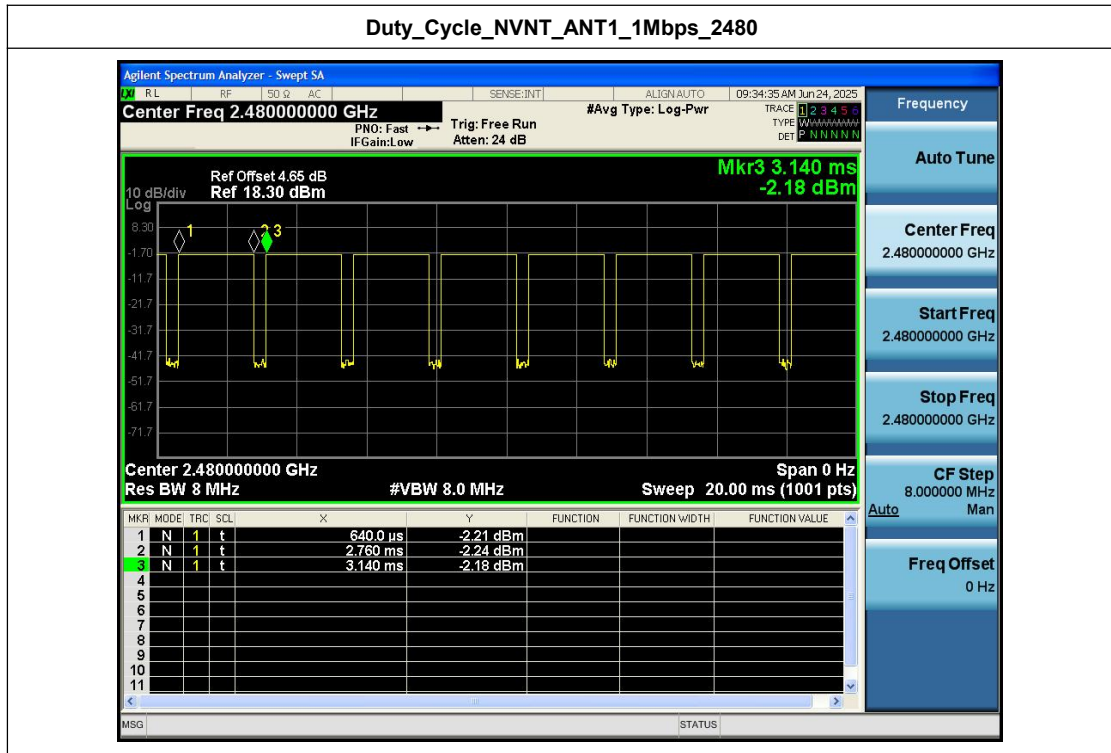
Duty_Cycle_NVNT_ANT1_1Mbps_2440



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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	-2.32	0.59	1000	Pass
NVNT	ANT1	1Mbps	2440.00	-2.73	0.53	1000	Pass
NVNT	ANT1	1Mbps	2480.00	-2.15	0.61	1000	Pass

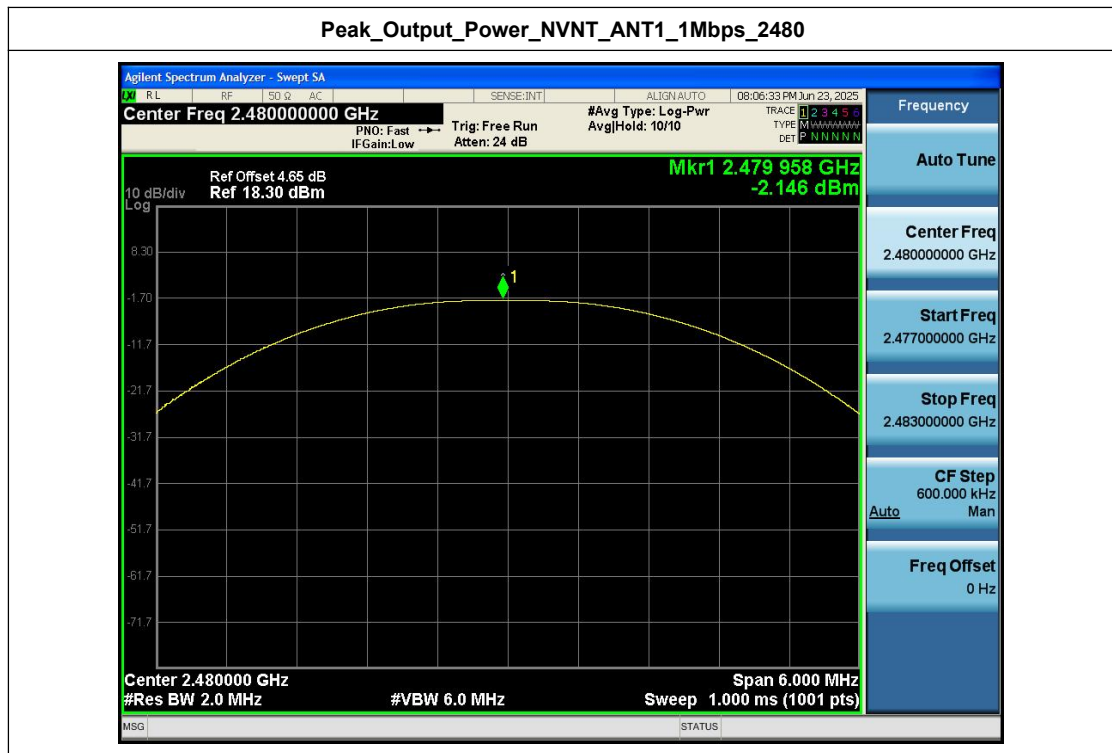
Peak_Output_Power_NVNT_ANT1_1Mbps_2402



Peak_Output_Power_NVNT_ANT1_1Mbps_2440



Peak_Output_Power_NVNT_ANT1_1Mbps_2480



Appendix E: Power Spectral Density

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm/3kHz)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402.00	-18.68	8	Pass
NVNT	ANT1	1Mbps	2440.00	-19.09	8	Pass
NVNT	ANT1	1Mbps	2480.00	-18.46	8	Pass

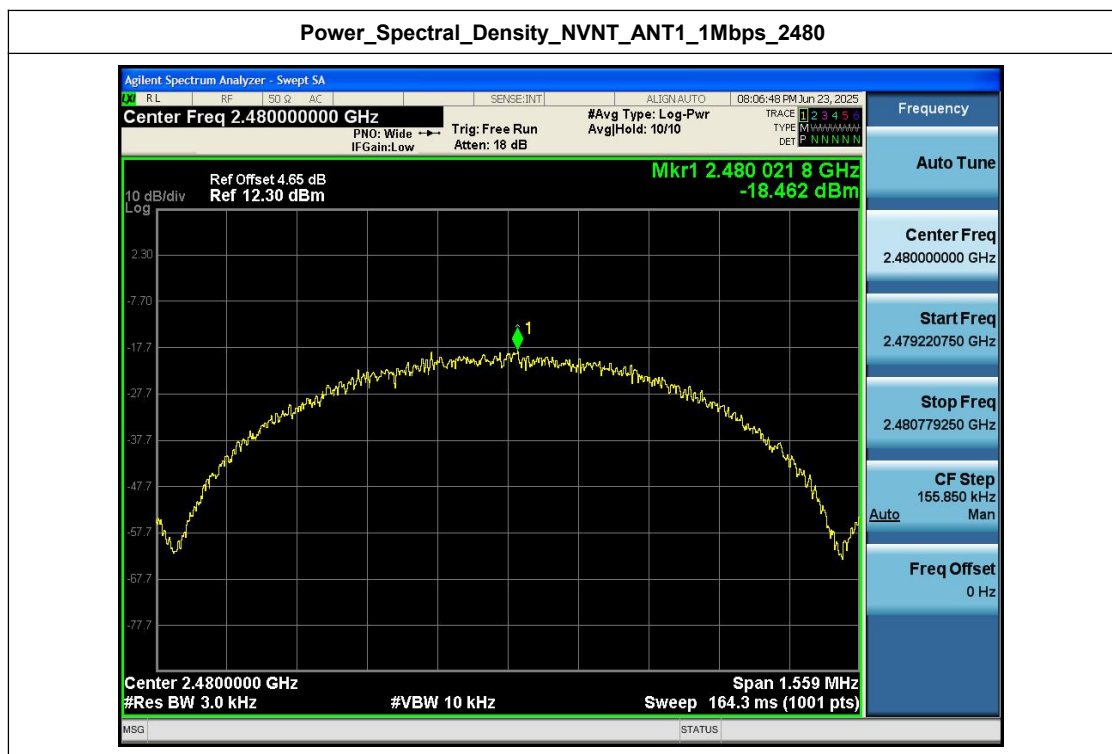
Power_Spectral_Density_NVNT_ANT1_1Mbps_2402



Power_Spectral_Density_NVNT_ANT1_1Mbps_2440



Power_Spectral_Density_NVNT_ANT1_1Mbps_2480



Appendix F: Bandedge

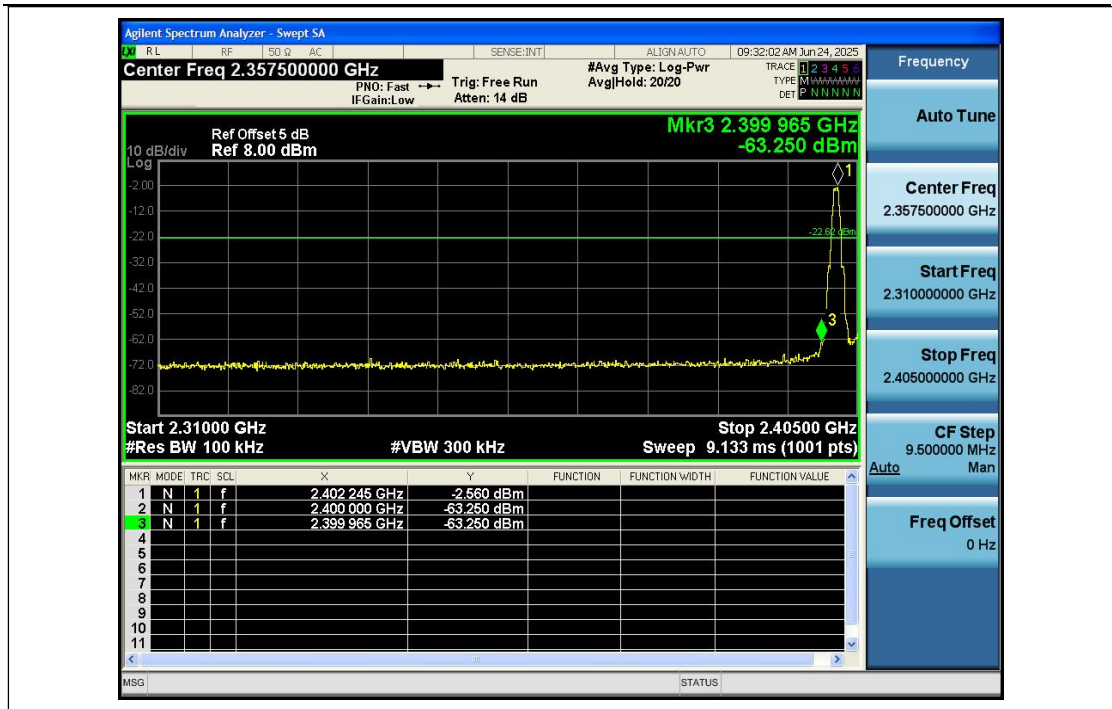
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	2399.965	-2.617	-63.250	-22.617	Pass
NVNT	ANT1	1Mbps	2480.00	2483.525	-2.496	-67.552	-22.496	Pass

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

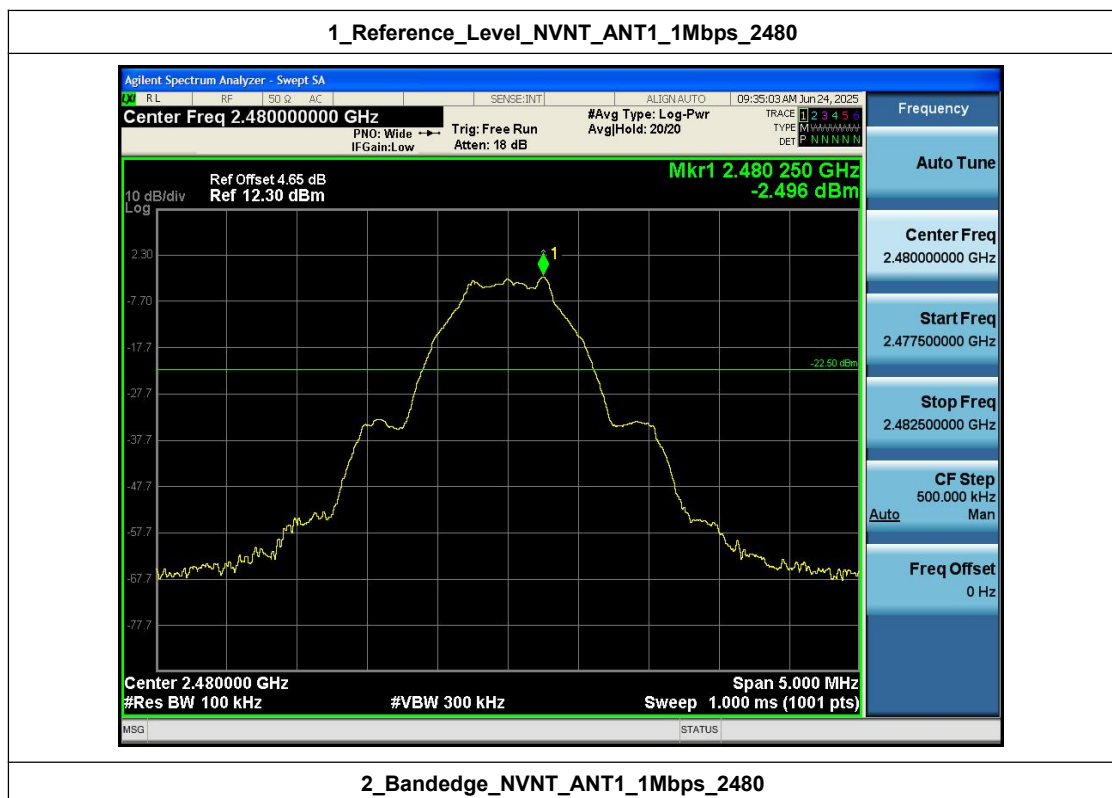
1_Reference_Level_NVNT_ANT1_1Mbps_2402



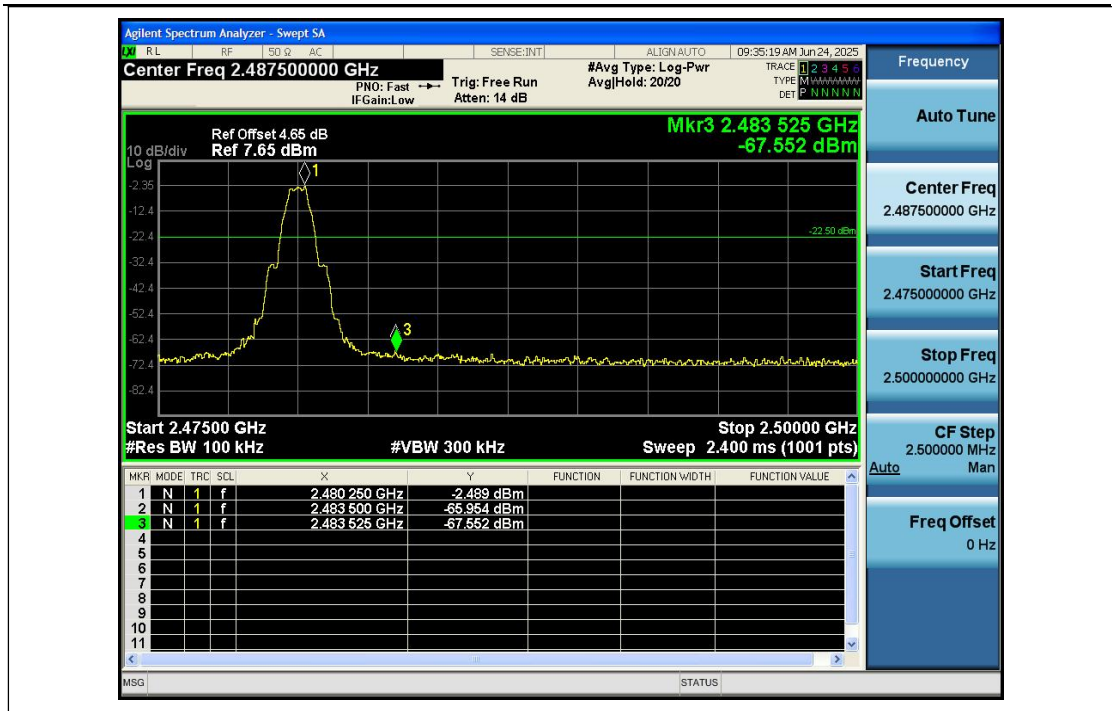
2_Bandedge_NVNT_ANT1_1Mbps_2402



1_Reference_Level_NVNT_ANT1_1Mbps_2480



2_Bandedge_NVNT_ANT1_1Mbps_2480



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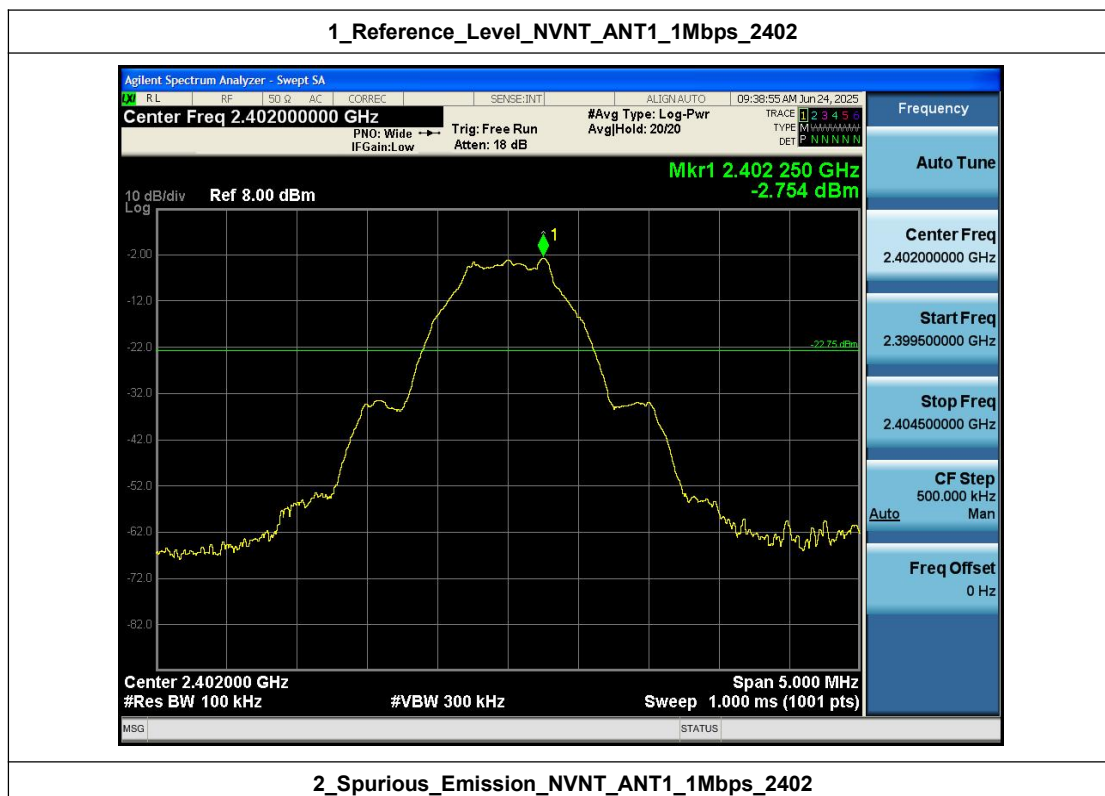


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Appendix G: Spurious Emission

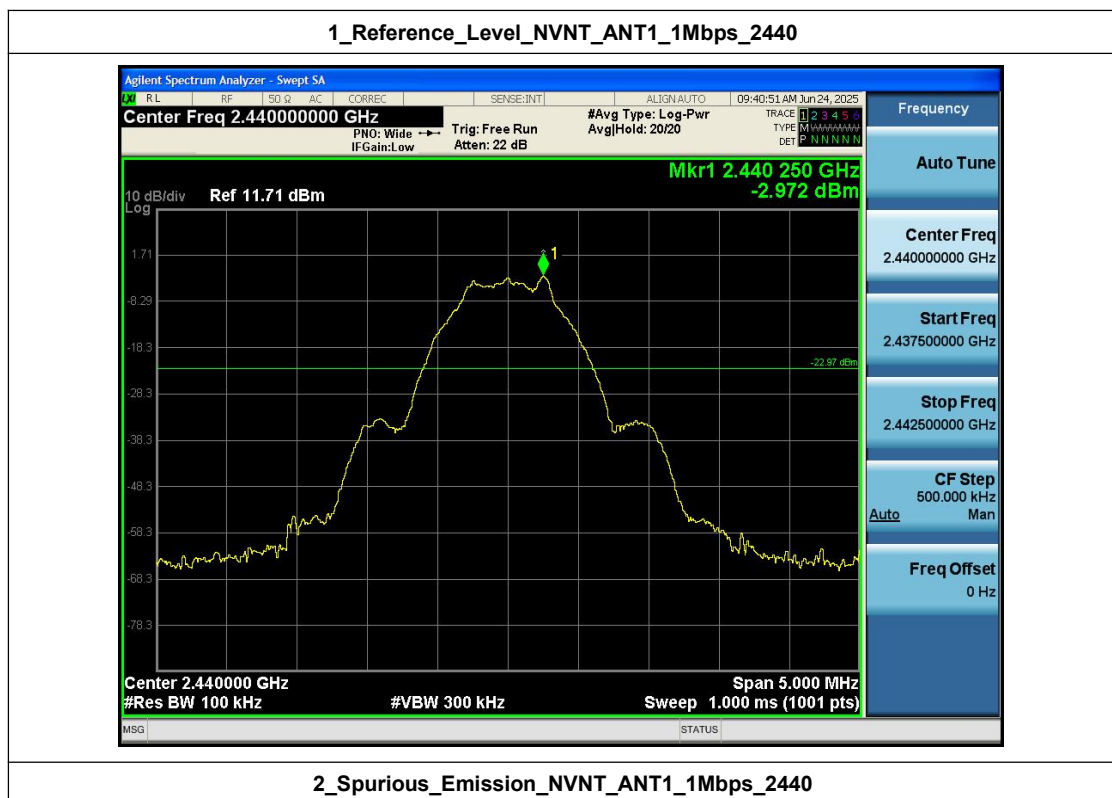
Condition	Antenna	Modulation	TX_Frequency (MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	-2.754	-50.007	-22.754	Pass
NVNT	ANT1	1Mbps	2440.00	-2.972	-50.834	-22.972	Pass
NVNT	ANT1	1Mbps	2480.00	-2.337	-44.975	-22.337	Pass

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





1_Reference_Level_NVNT_ANT1_1Mbps_2440

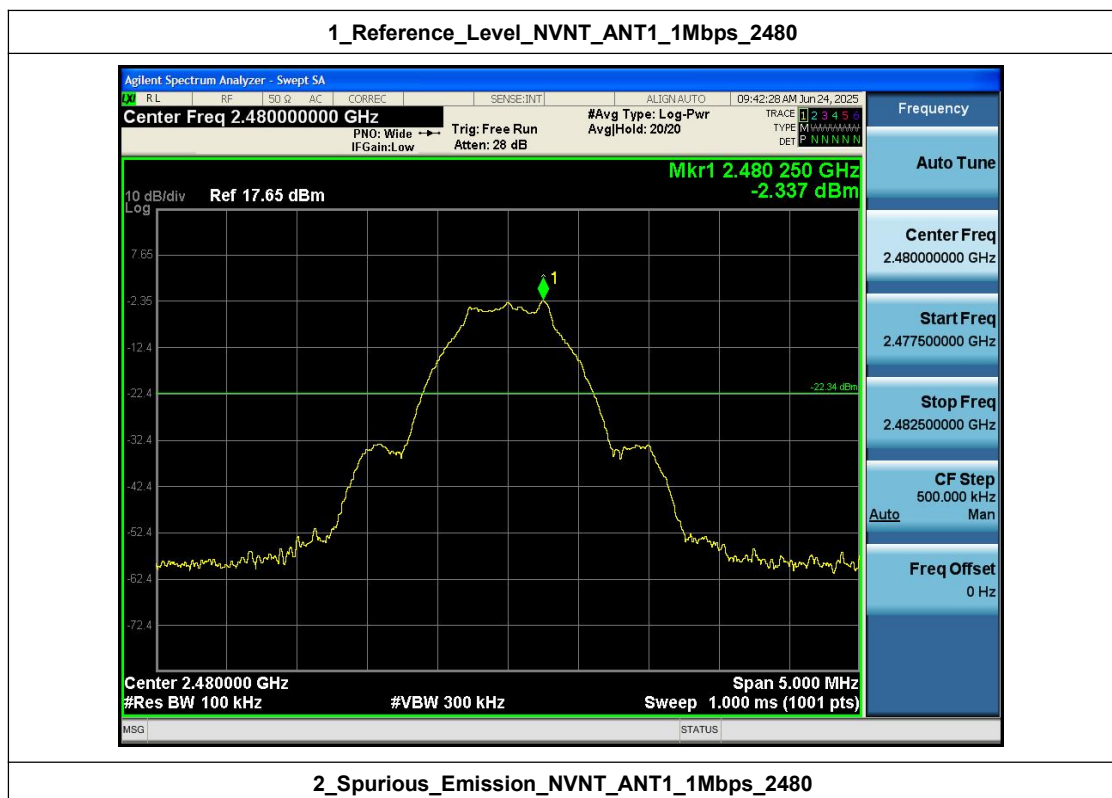


2_Spurious_Emission_NVNT_ANT1_1Mbps_2440





1_Reference_Level_NVNT_ANT1_1Mbps_2480



2_Spurious_Emission_NVNT_ANT1_1Mbps_2480



---END---

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