



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Clamp meter

Test Model: 570T-APP

Environmental Conditions

Temperature:	23.8°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Luo
Supervised by:	Nick Peng





A.1 -20dB Bandwidth

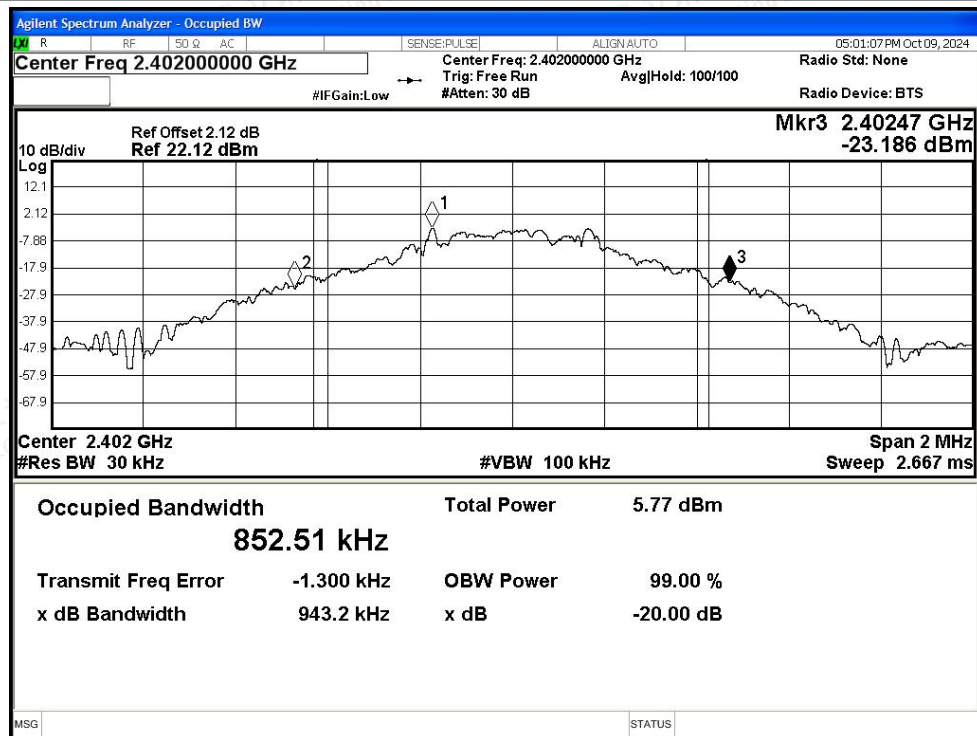
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.943	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.959	N/A	Pass
NVNT	1-DH5	2480	Ant1	1.019	N/A	Pass



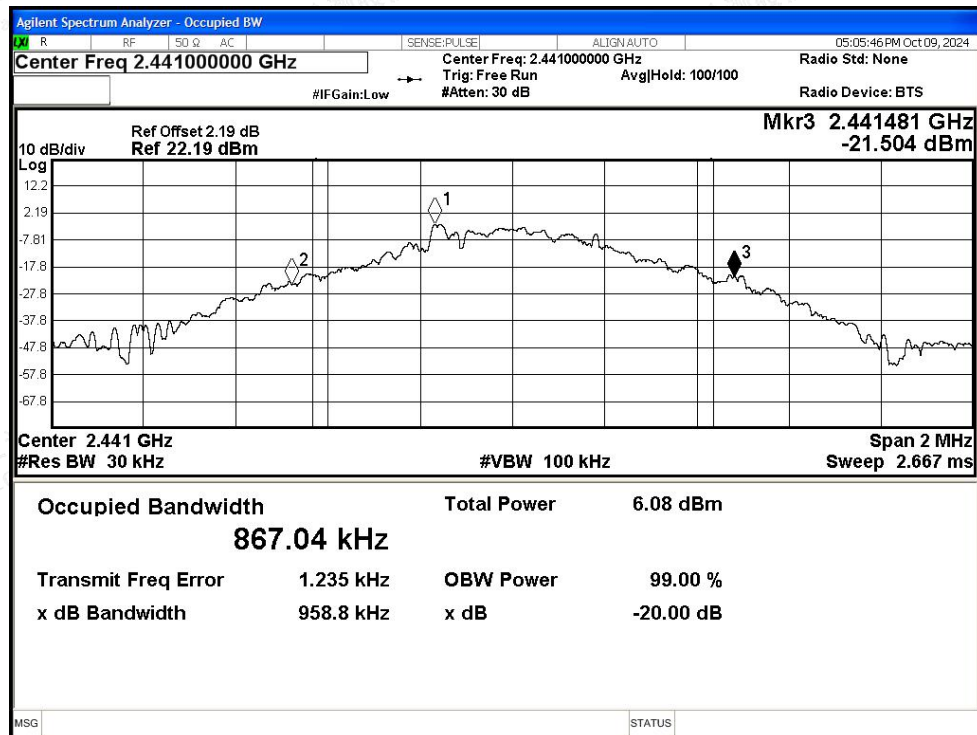


Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

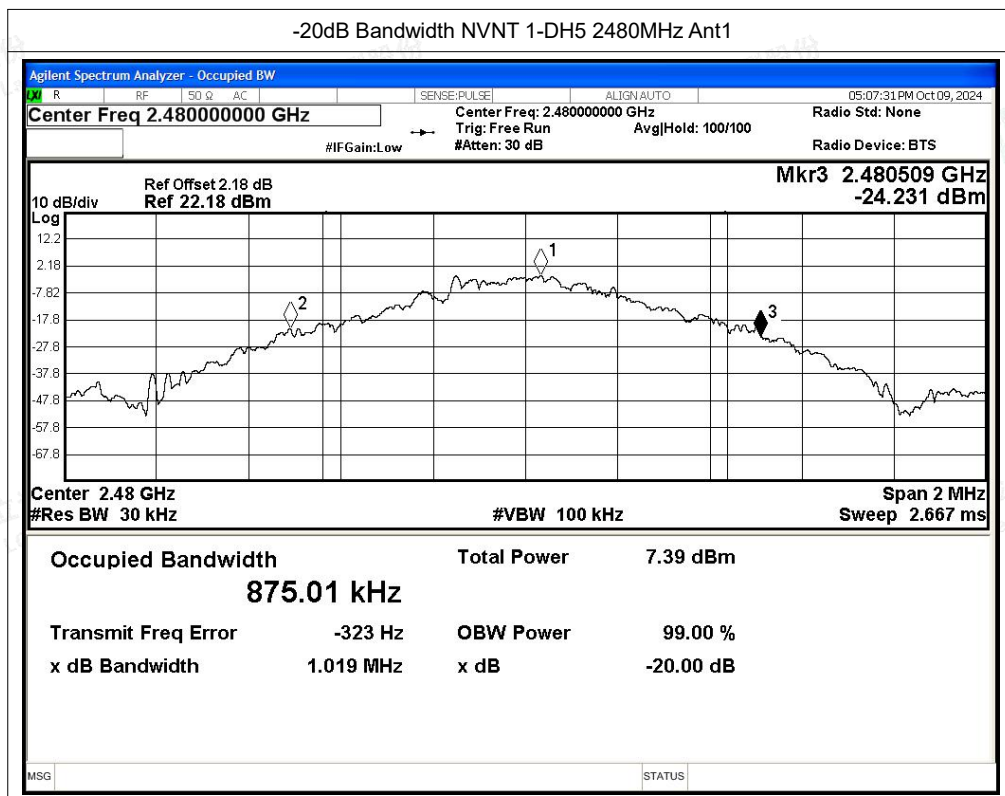


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A.2 Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-0.62	21	Pass
NVNT	1-DH5	2441	Ant1	-0.18	21	Pass
NVNT	1-DH5	2480	Ant1	1.16	21	Pass

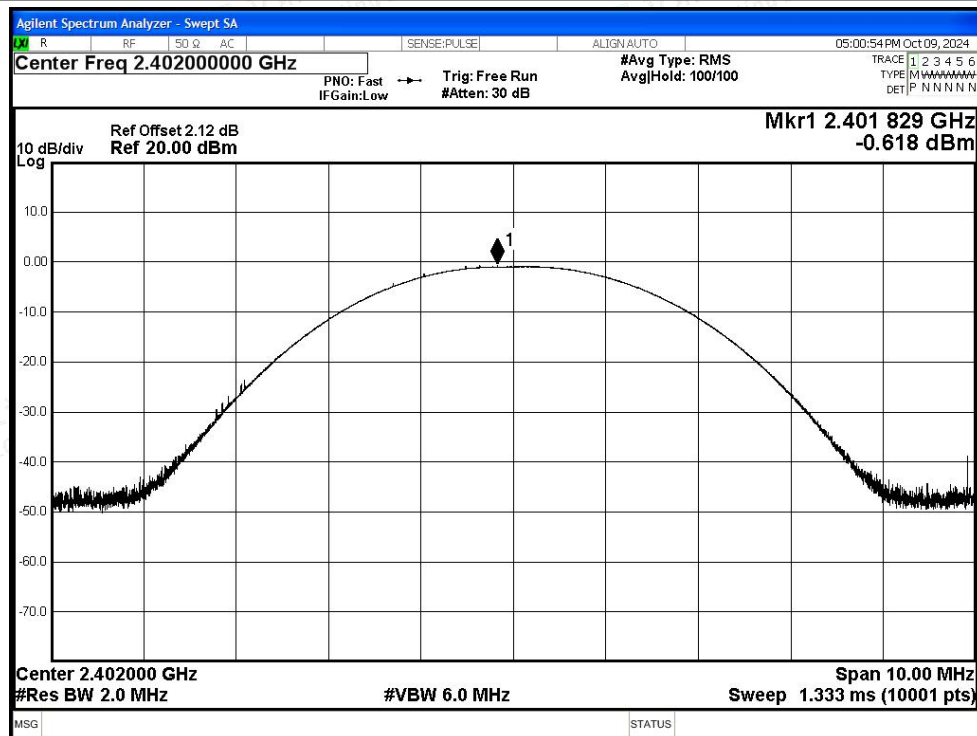


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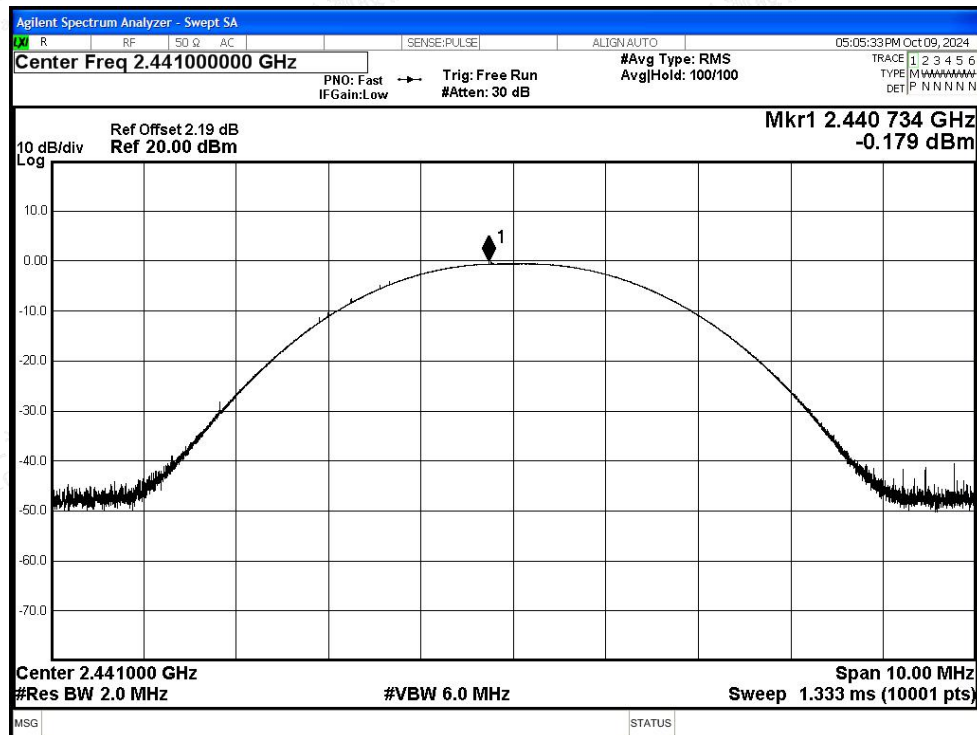


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1



Power NVNT 1-DH5 2441MHz Ant1

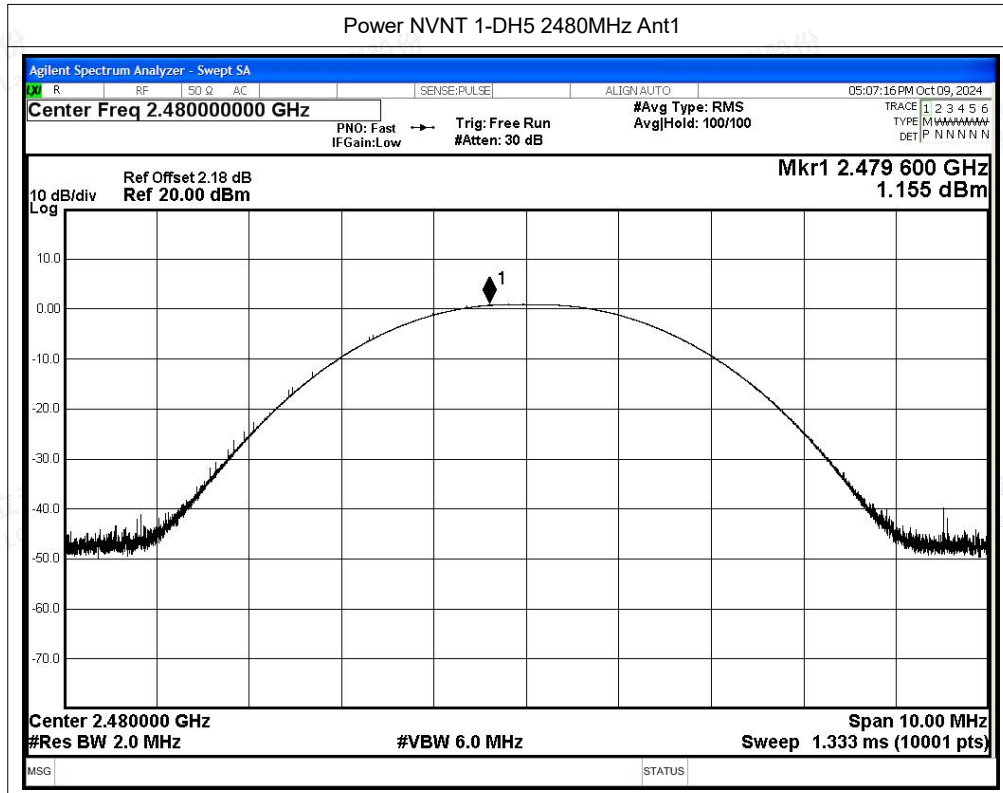


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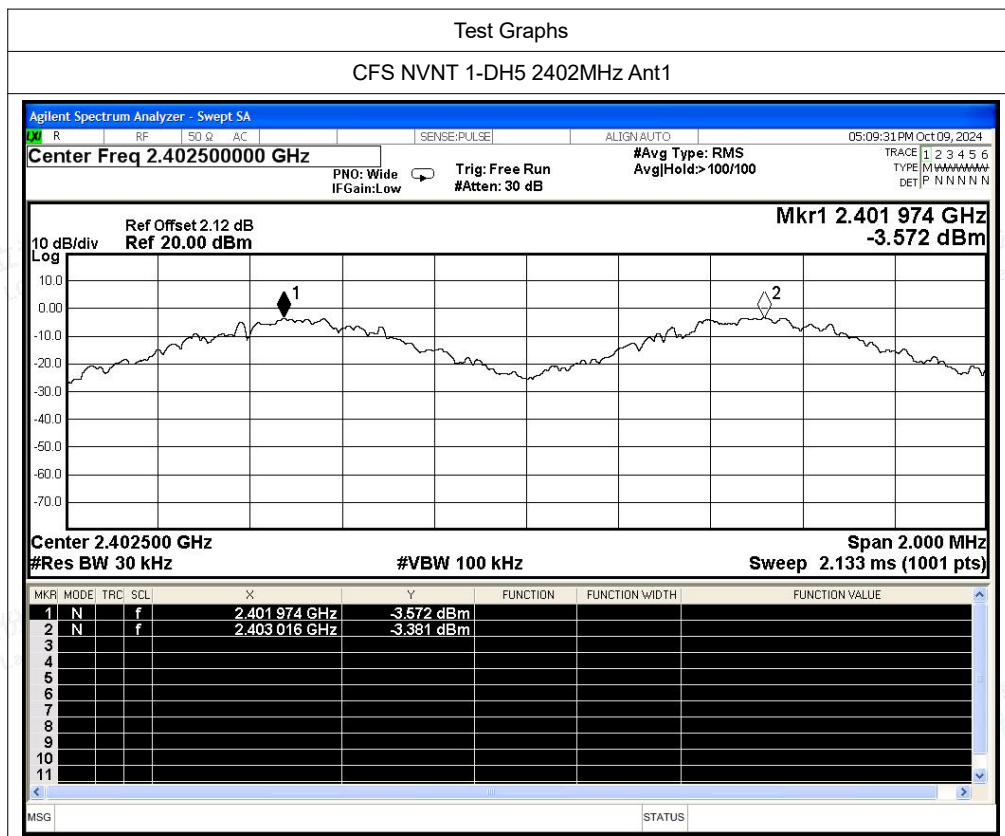
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A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.974	2403.016	1.042	0.629	Pass



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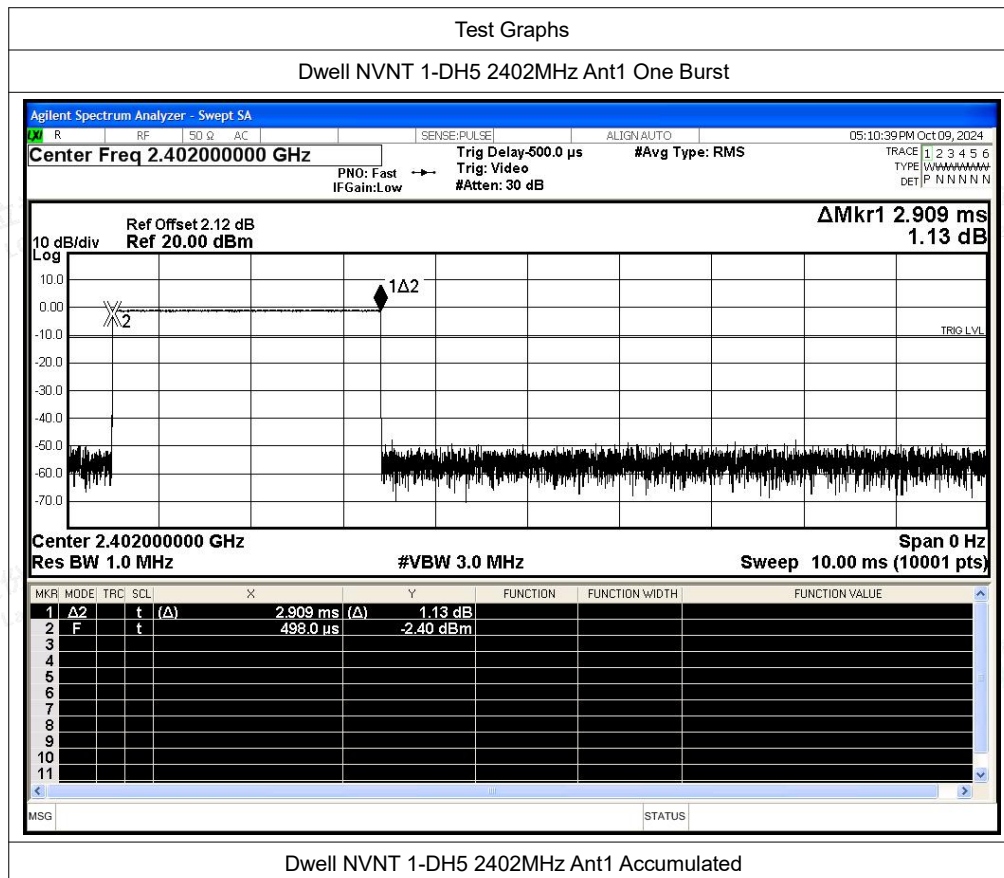
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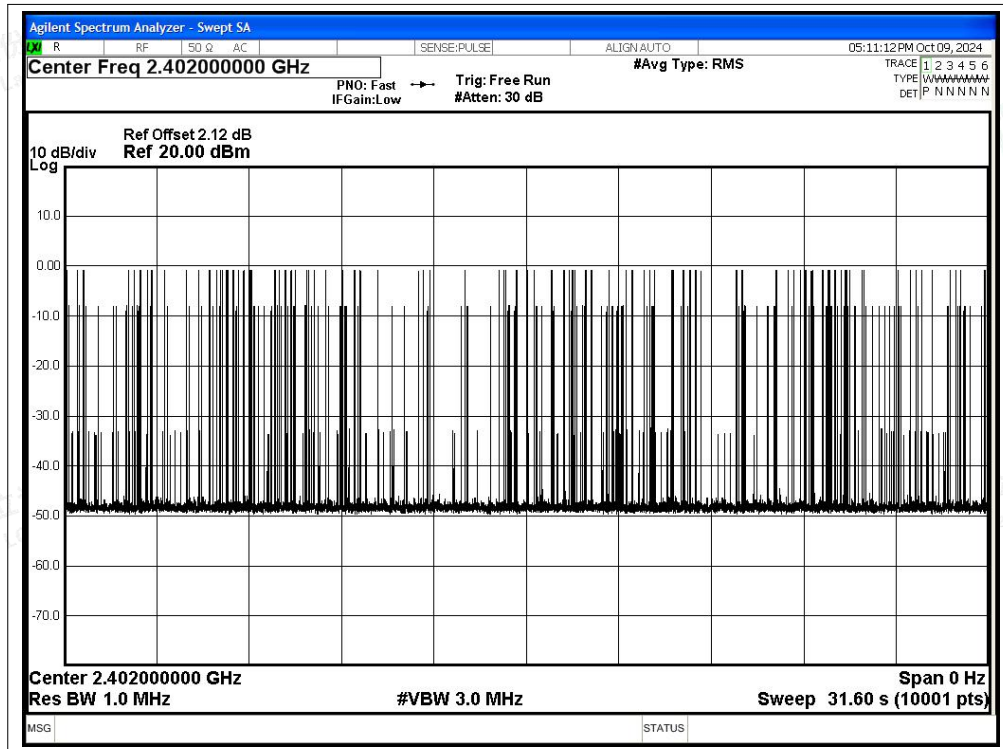
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A.4 Dwell Time

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.909	319.99	110	31600	400	Pass

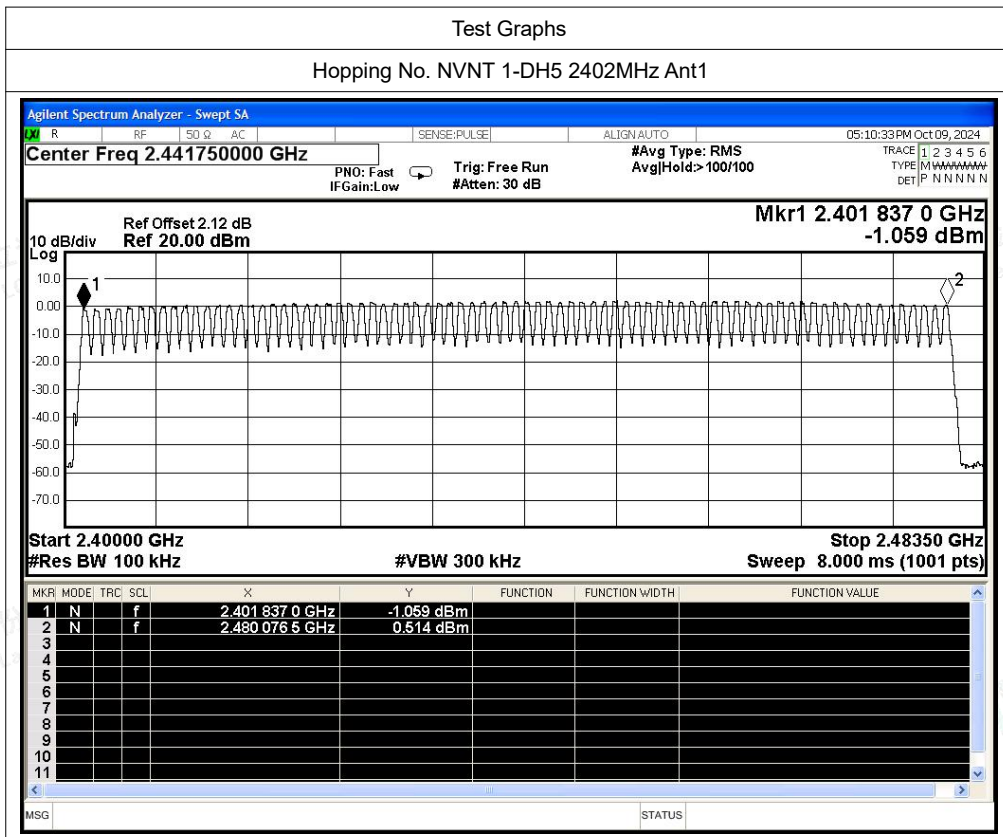






A.5 Number of Hopping Channel

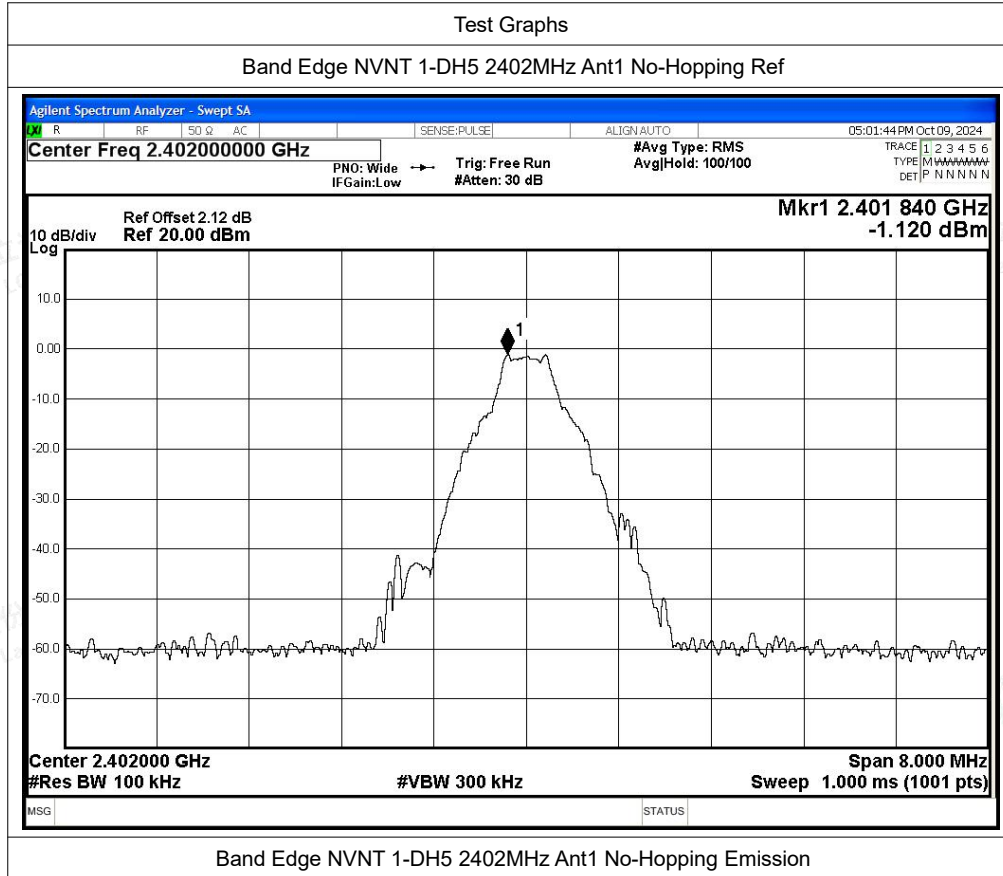
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass





A.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-56.01	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-57.34	-20	Pass

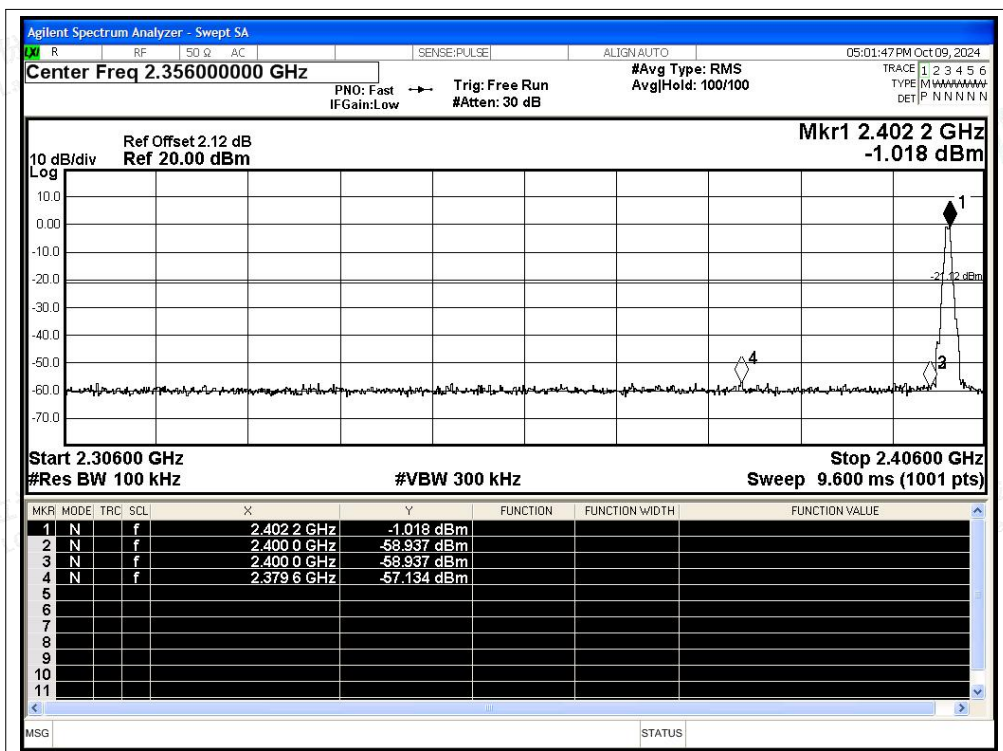


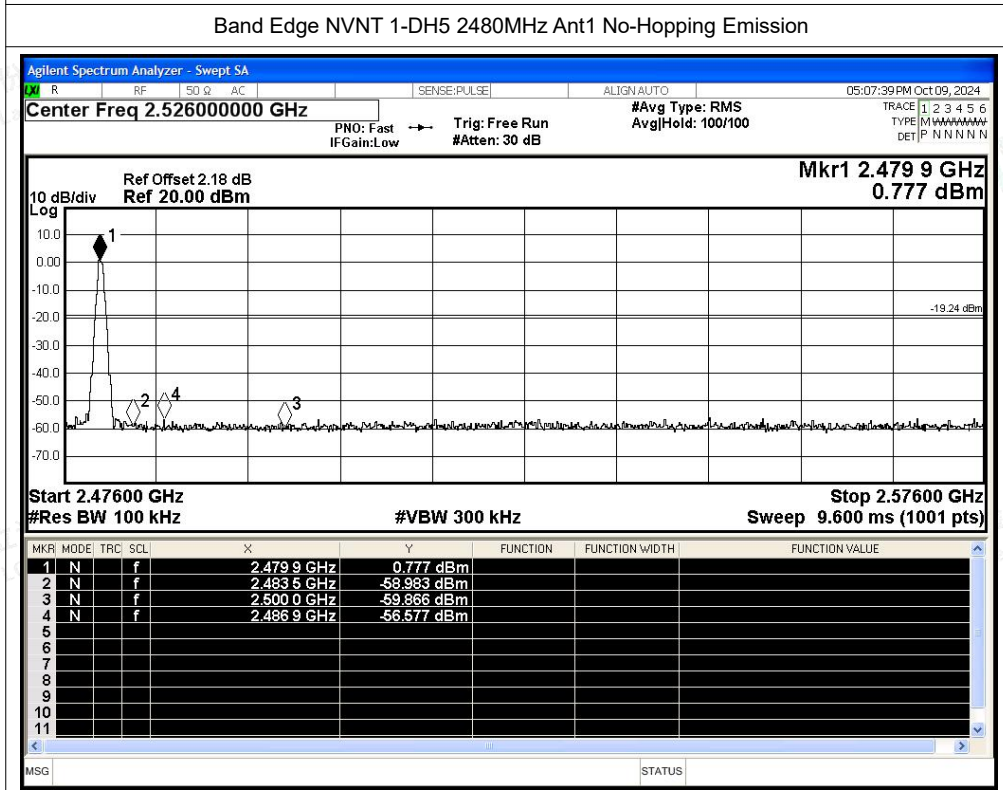
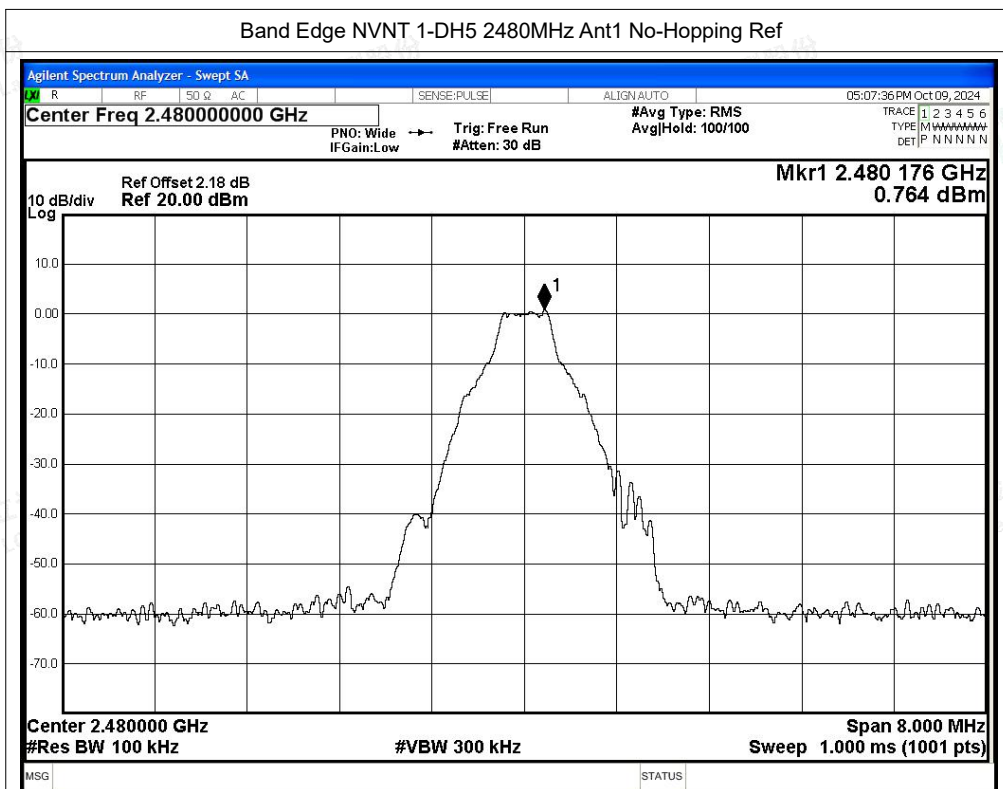
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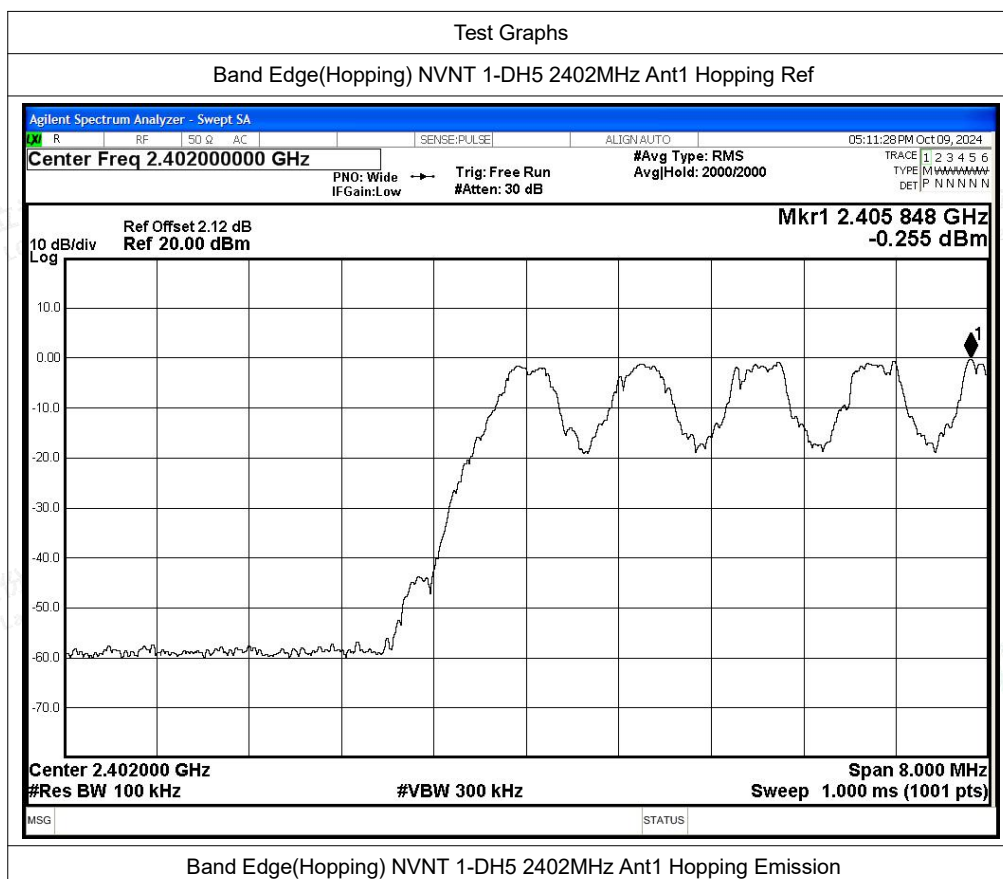
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(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-55.54	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-56.75	-20	Pass

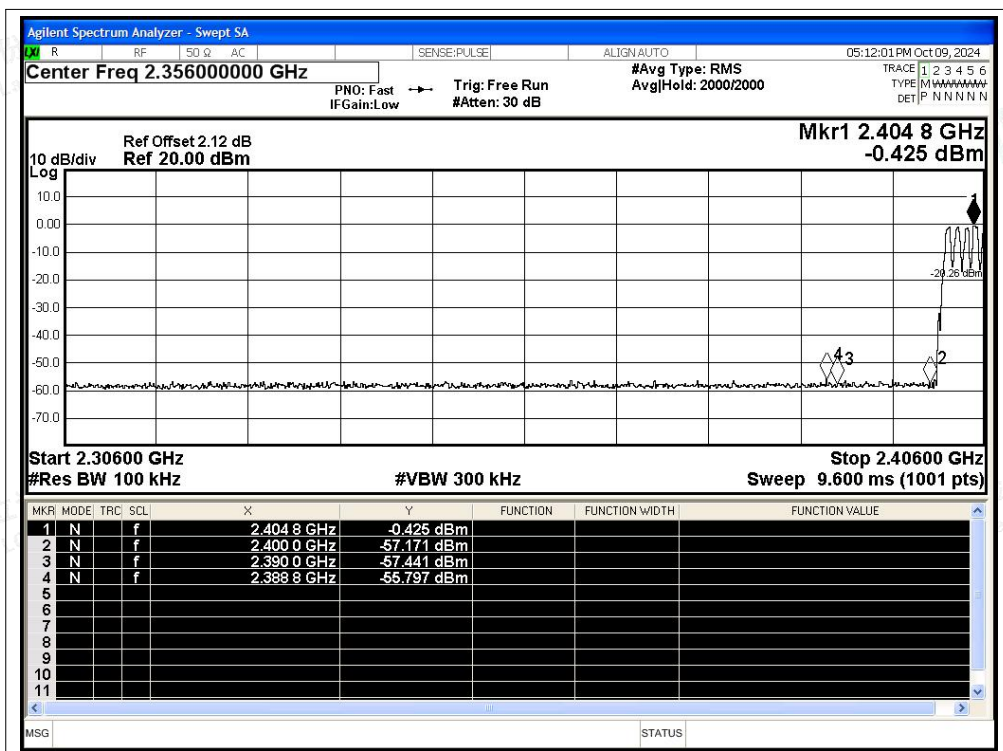


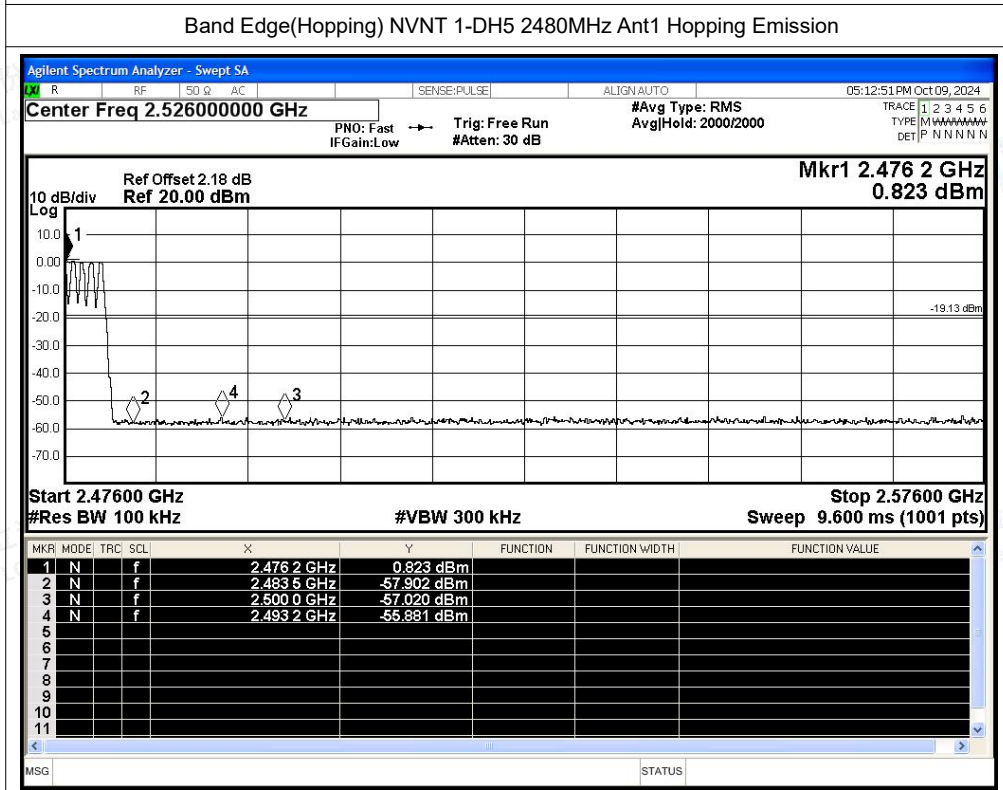
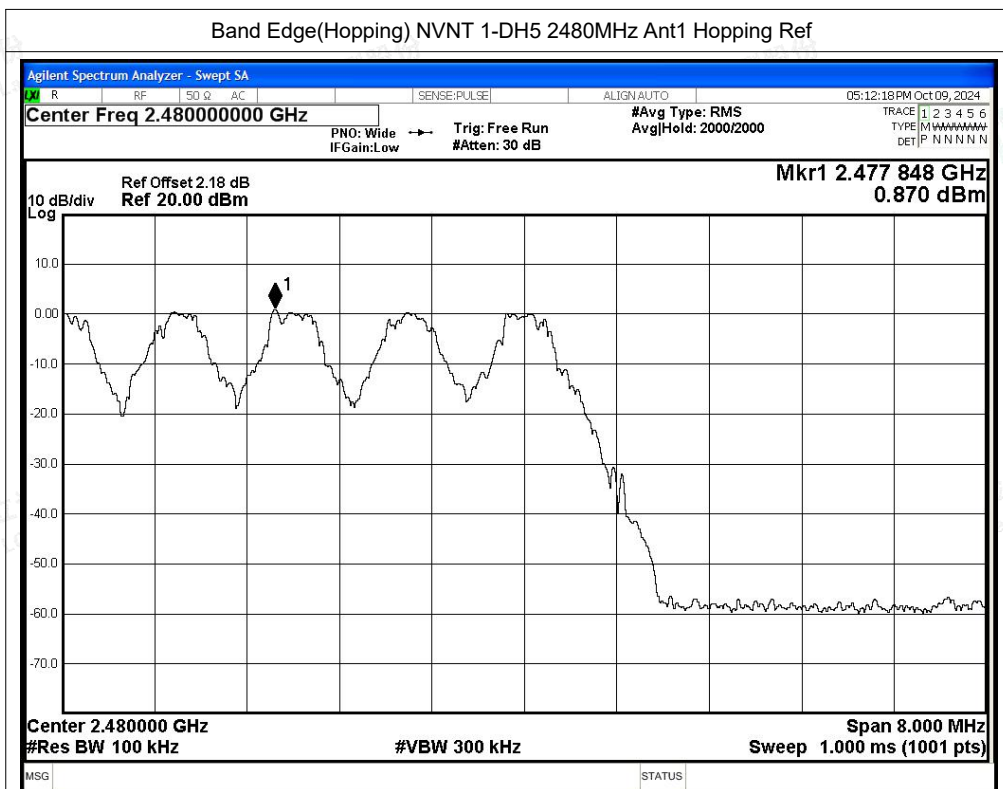
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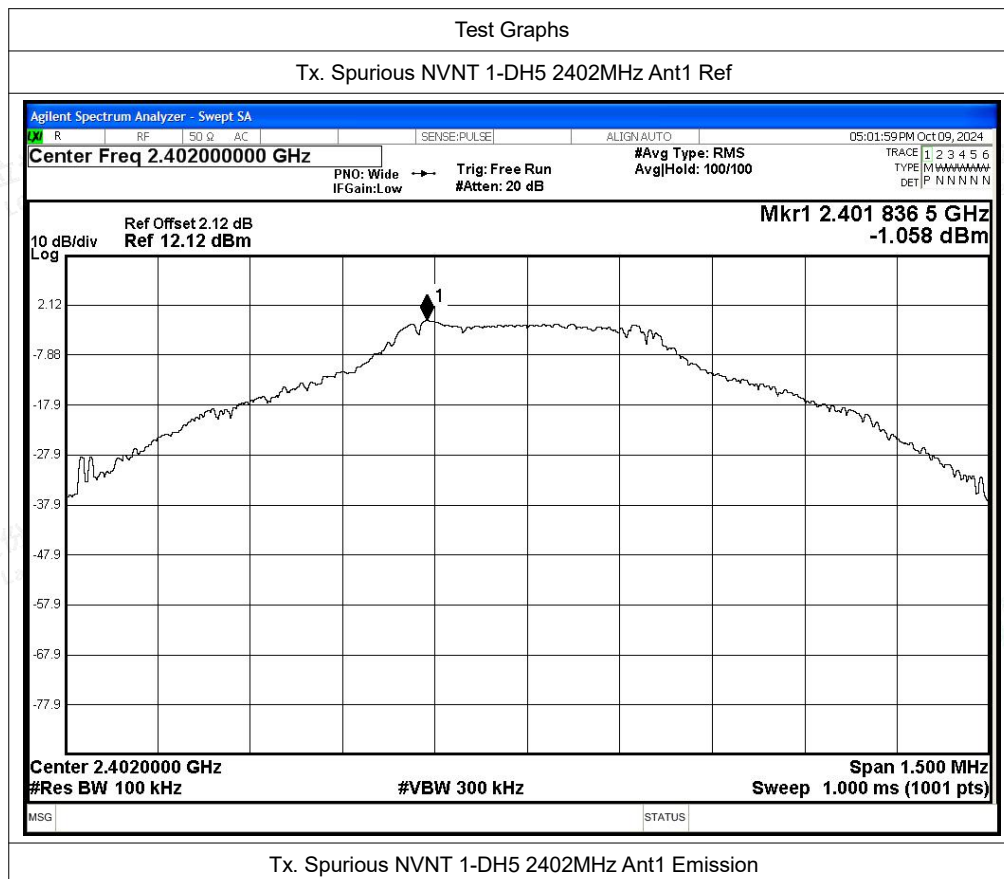
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A.7 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-53.88	-20	Pass
NVNT	1-DH5	2441	Ant1	-54.66	-20	Pass
NVNT	1-DH5	2480	Ant1	-55.91	-20	Pass

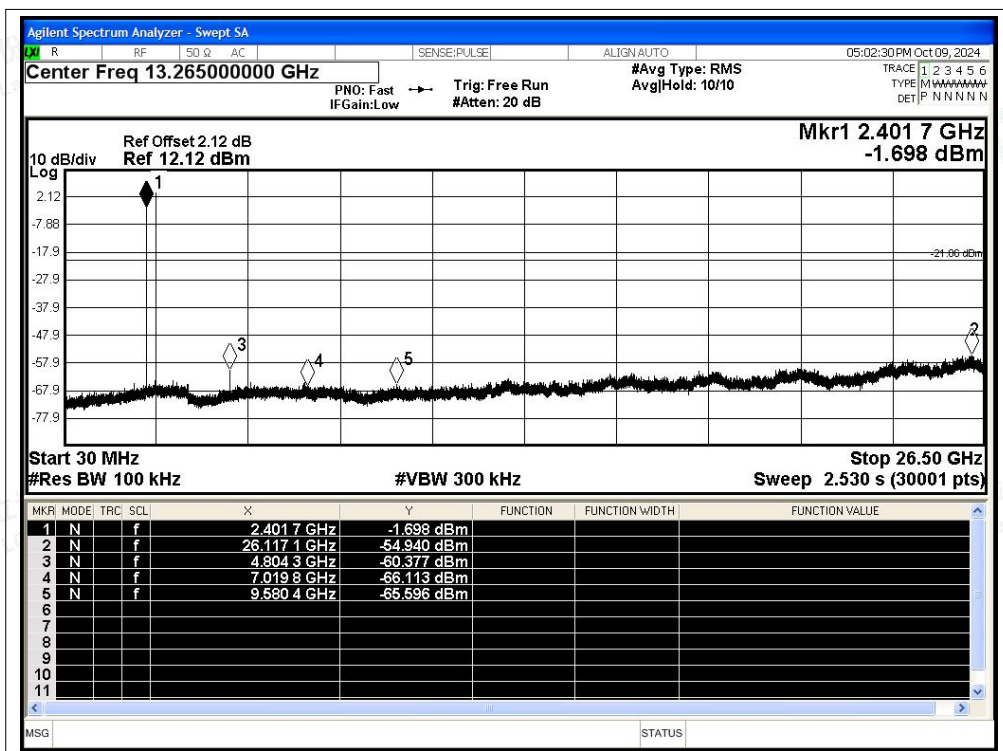


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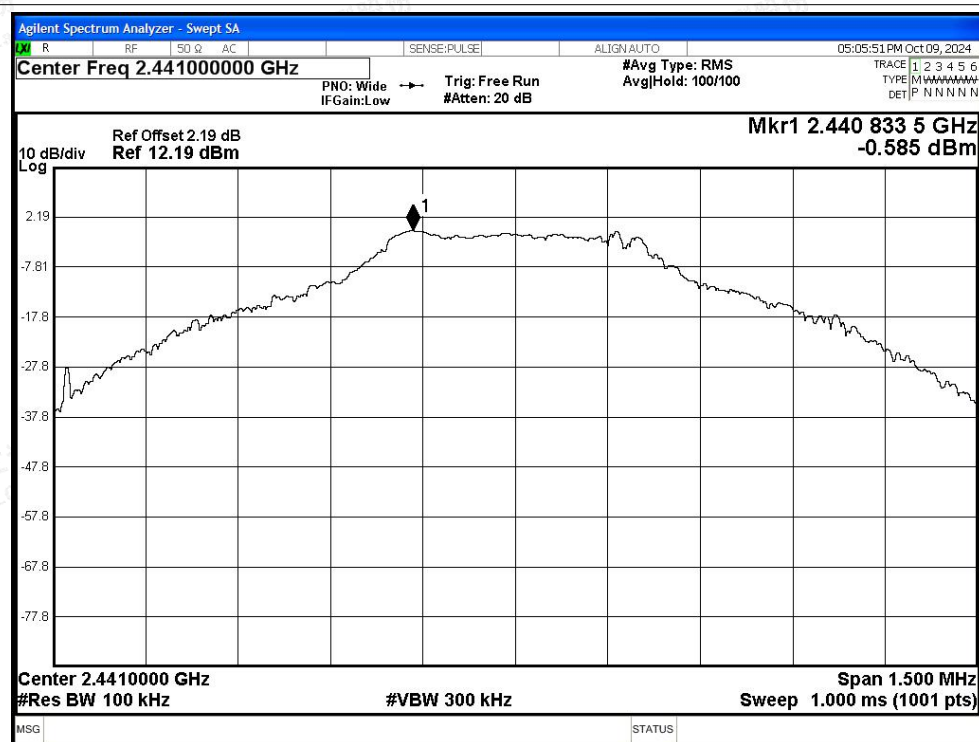
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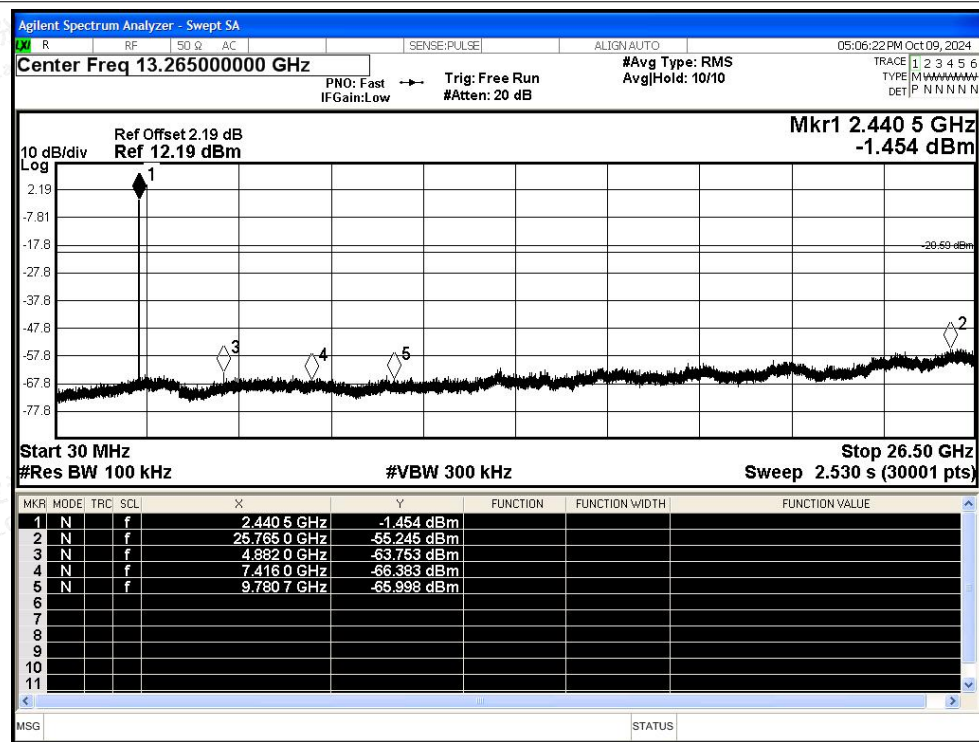




Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



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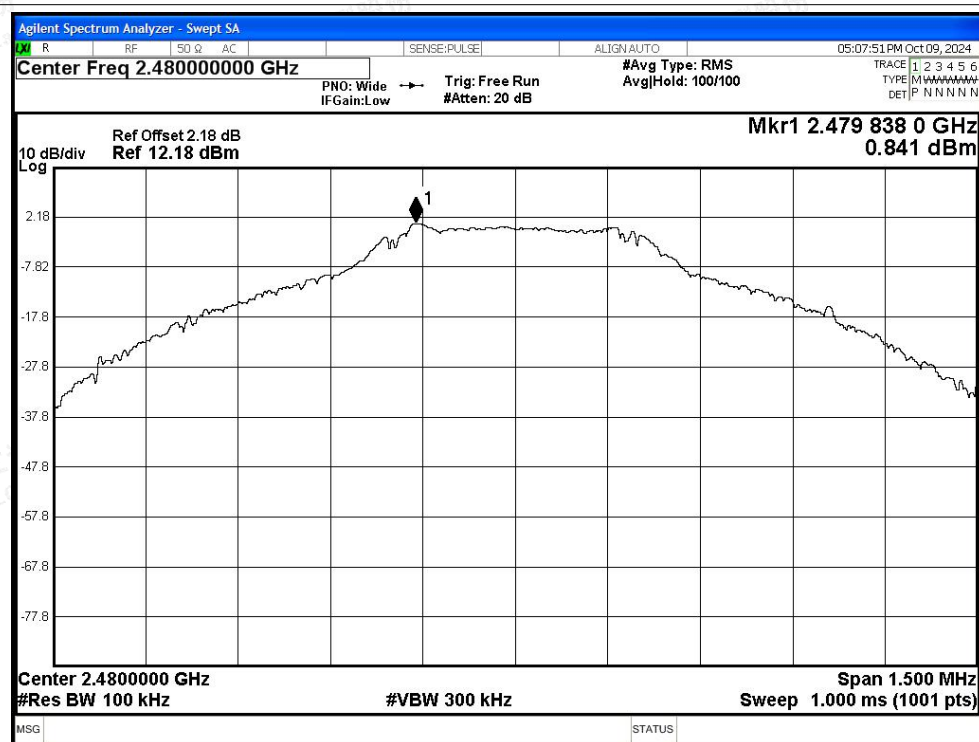
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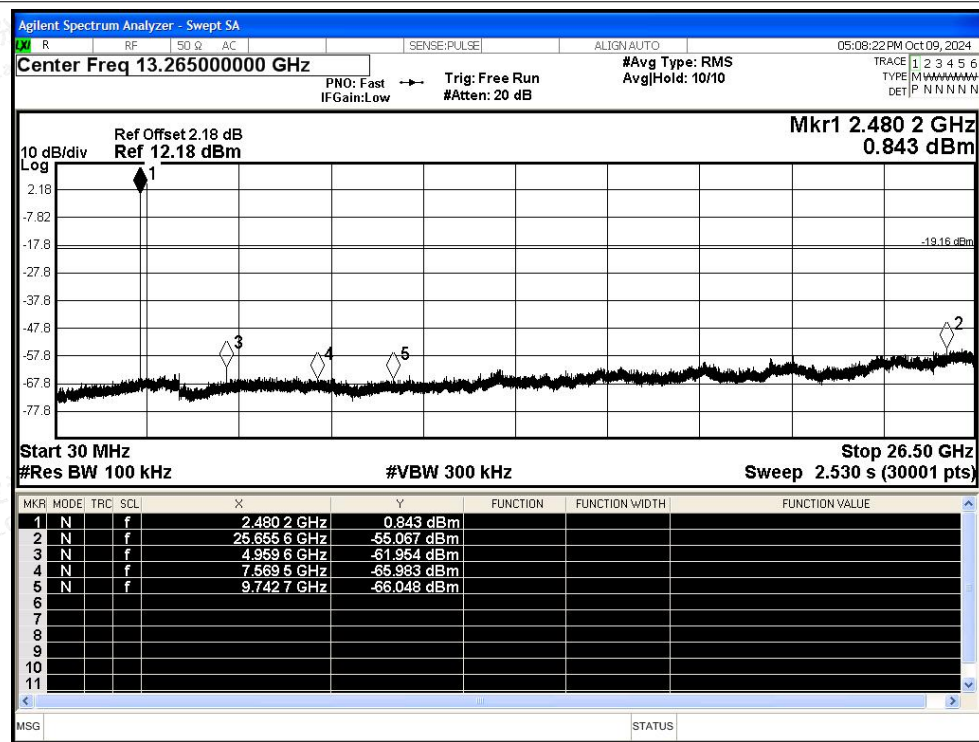
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Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



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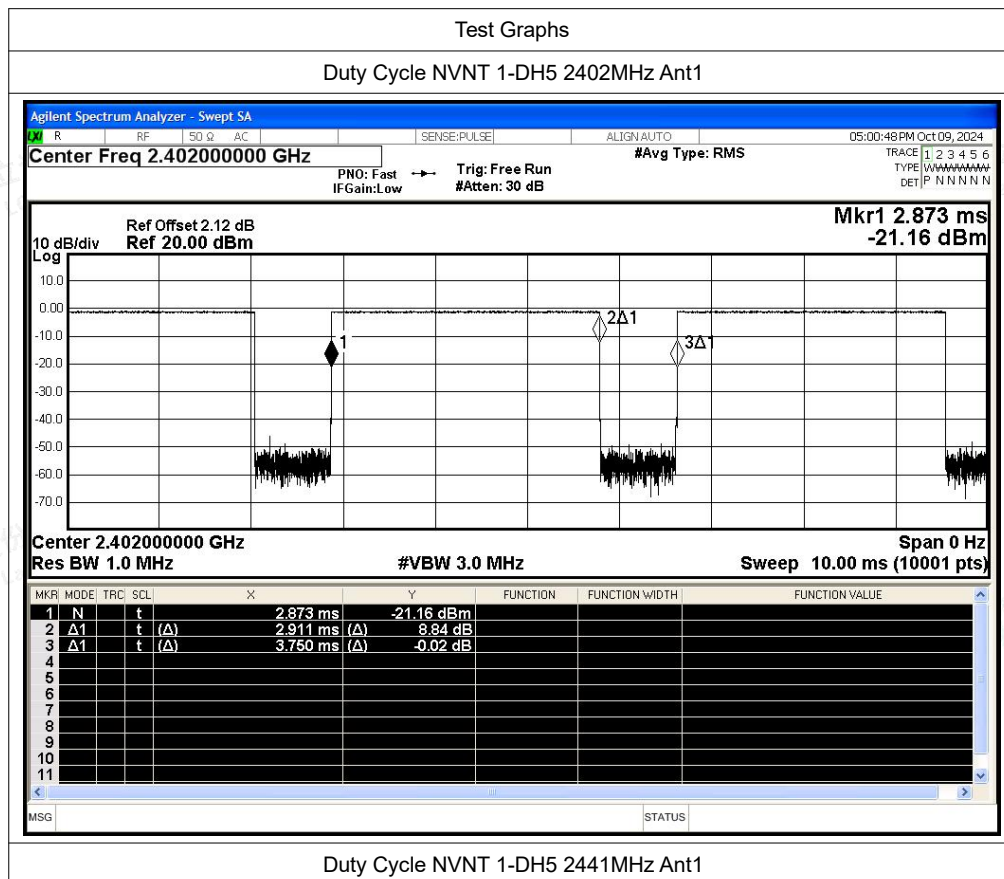
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A.8 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	Ant1	77.63	1.1	0.34
NVNT	1-DH5	2441	Ant1	77.6	1.1	0.34
NVNT	1-DH5	2480	Ant1	77.6	1.1	0.34



Duty Cycle NVNT 1-DH5 2441MHz Ant1

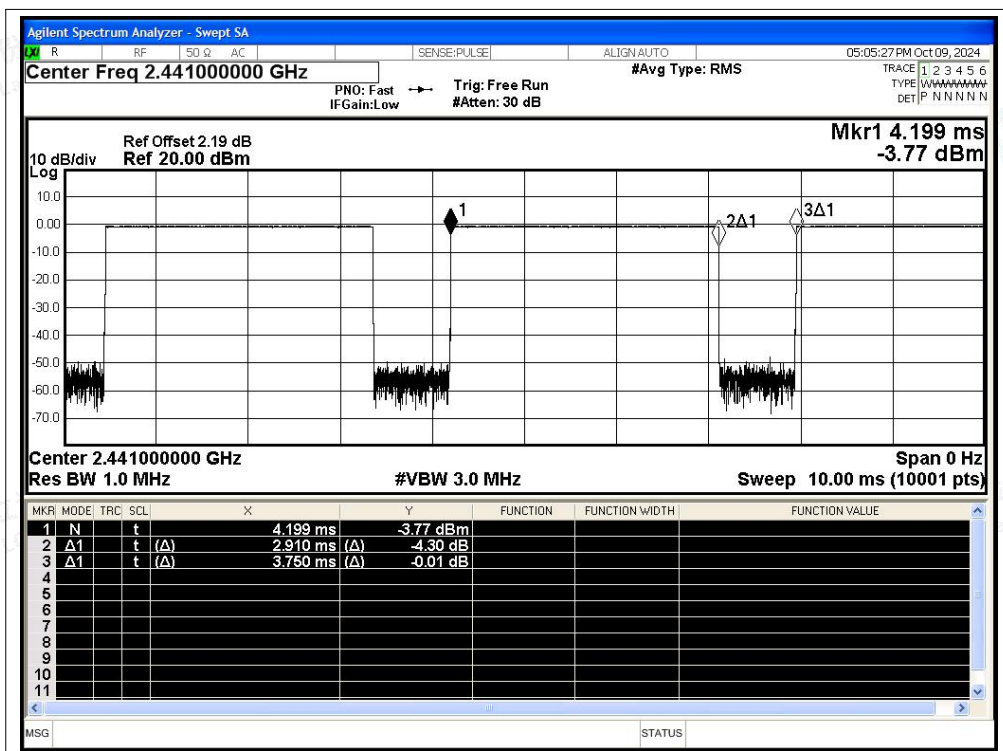


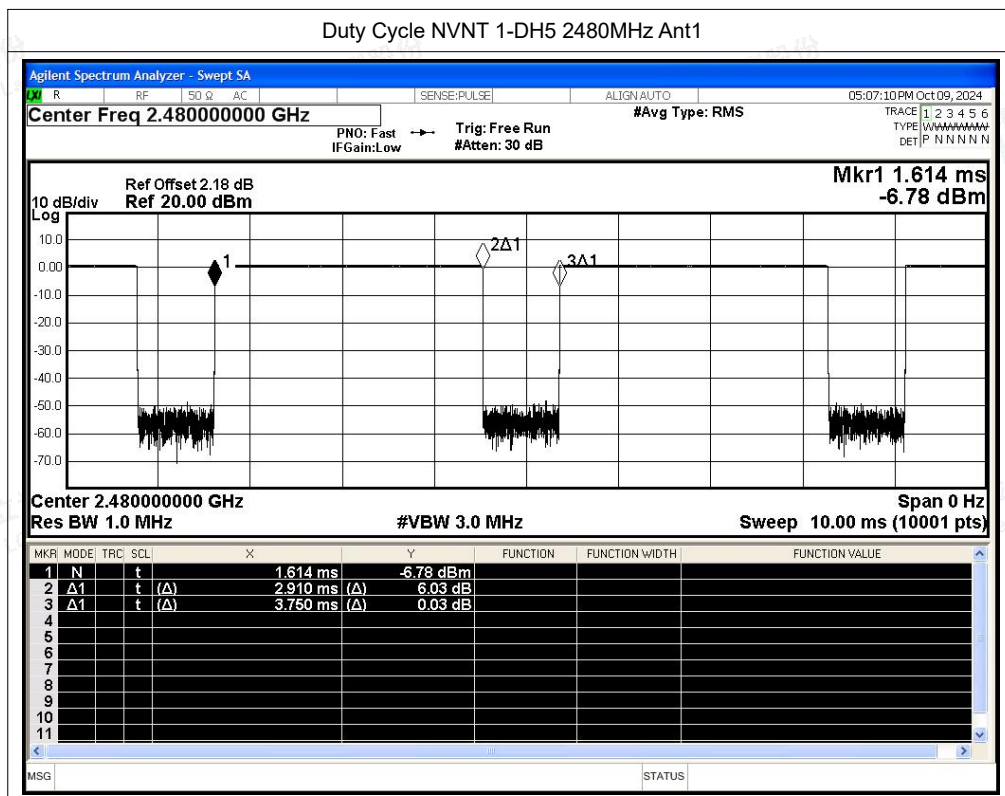
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A.8 Restrict Band

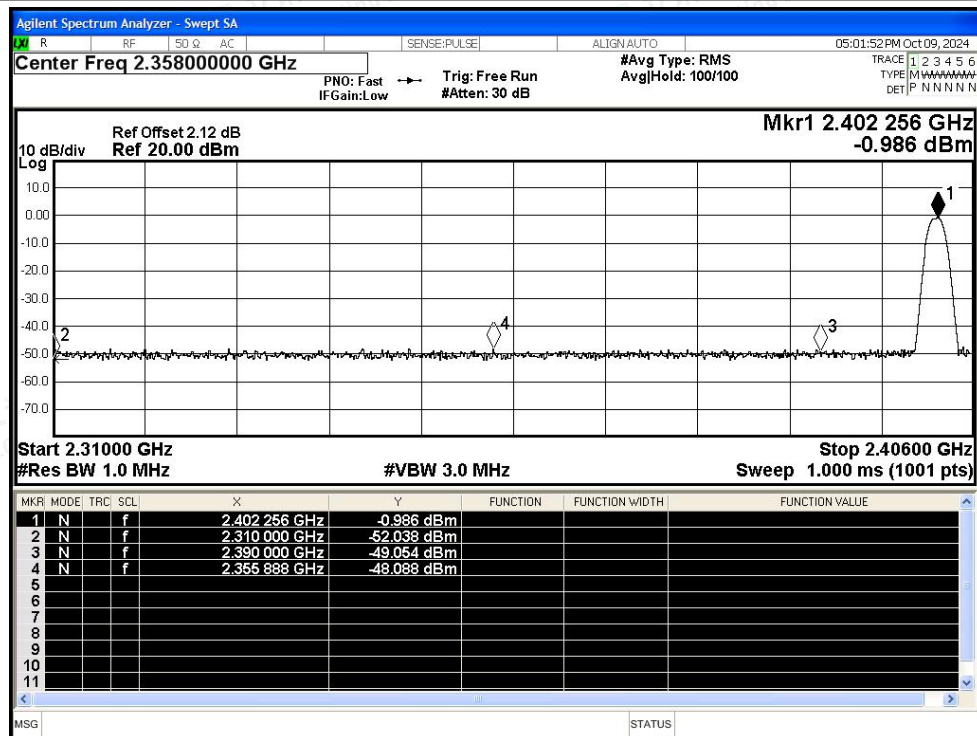
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-52.04	2	-	45.22	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-59.31	2	1.1	39.05	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2355.888	-48.09	2	-	49.17	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2373.264	-57.32	2	1.1	41.04	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-49.05	2	-	48.21	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-58.18	2	1.1	40.18	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-49.46	2	-	47.8	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-57.47	2	1.1	40.89	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2486.128	-46.53	2	-	50.73	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.968	-56.96	2	1.1	41.4	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-48.27	2	-	48.99	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-57.79	2	1.1	40.57	Average	54	Pass



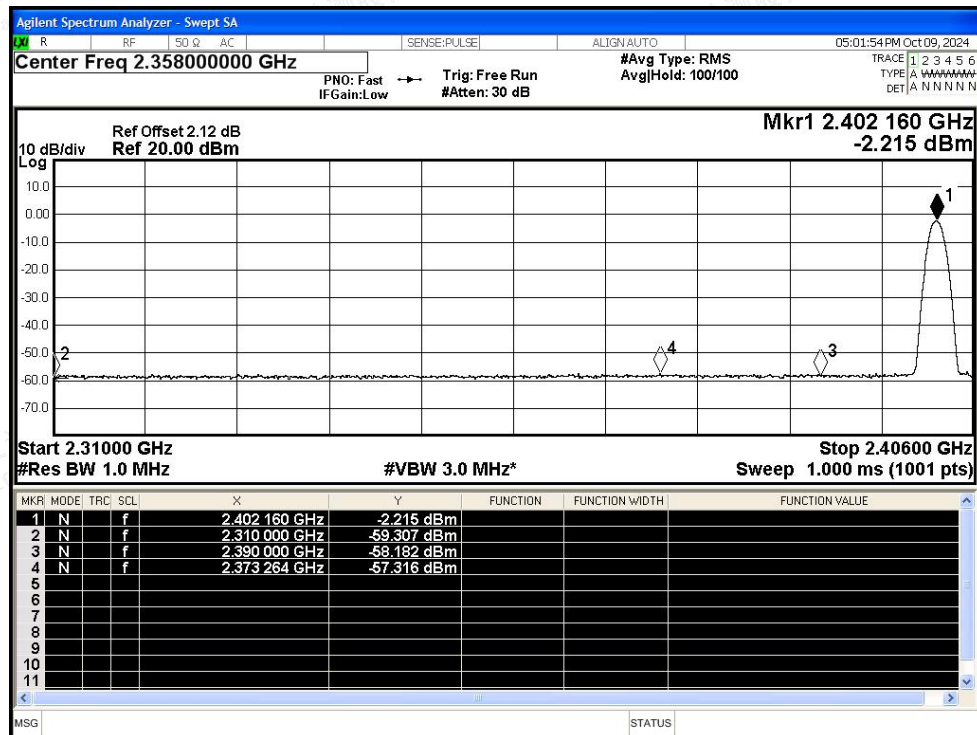


Test Graphs

Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Peak



Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average



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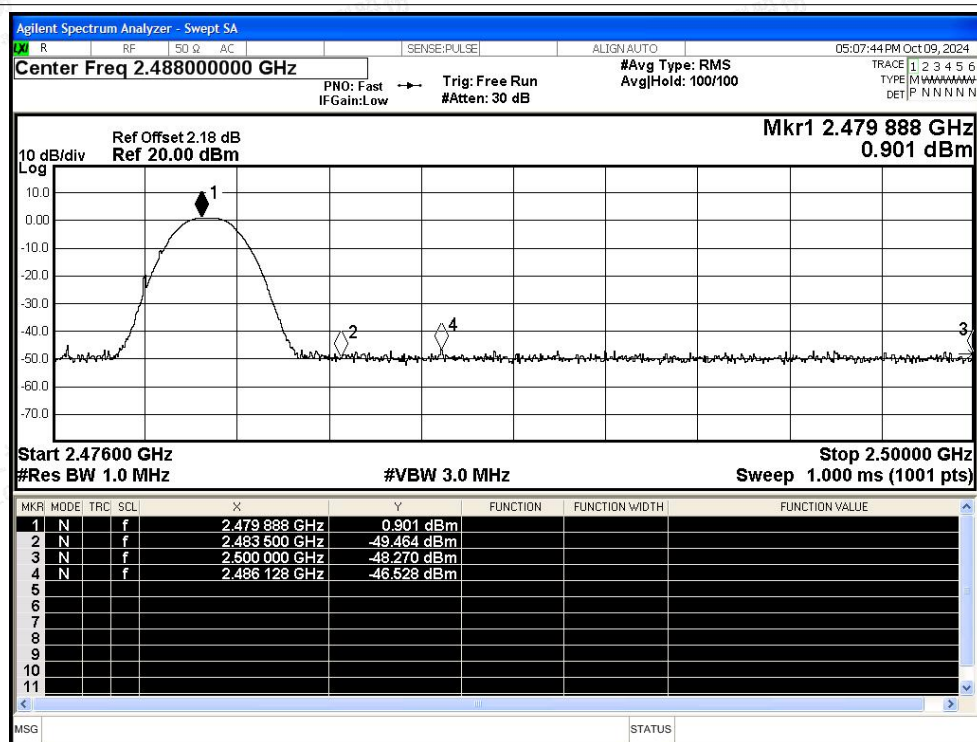
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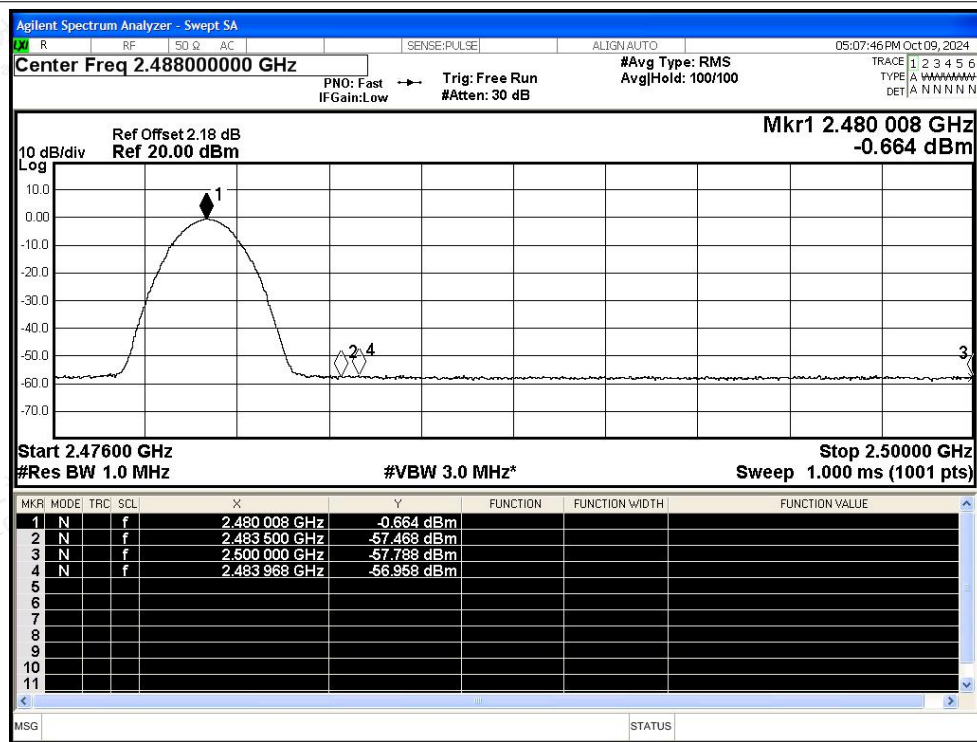
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Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak



Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average



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