

Appendix: LoRa

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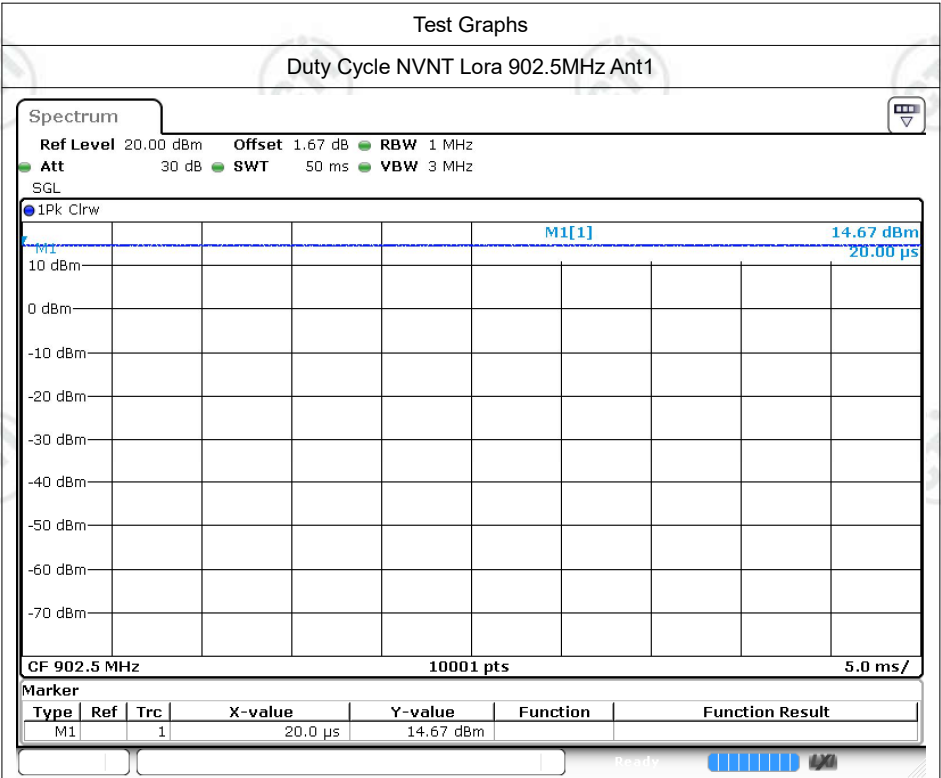
Conducted RF Spurious Emission 24

Number of Hopping Channel 28

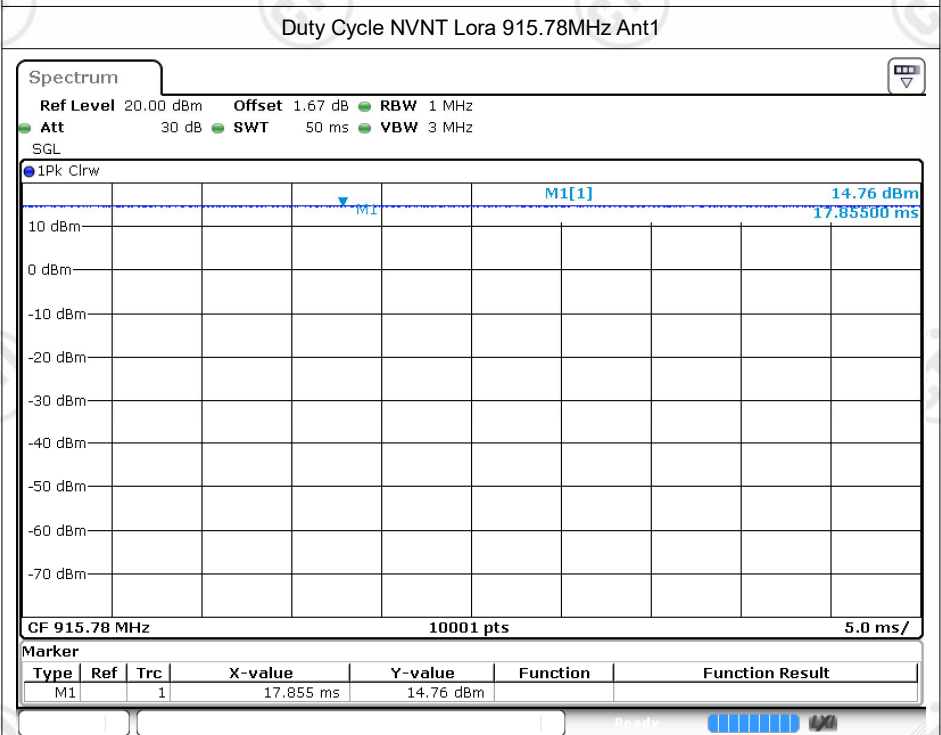
Dwell Time 30

Duty Cycle

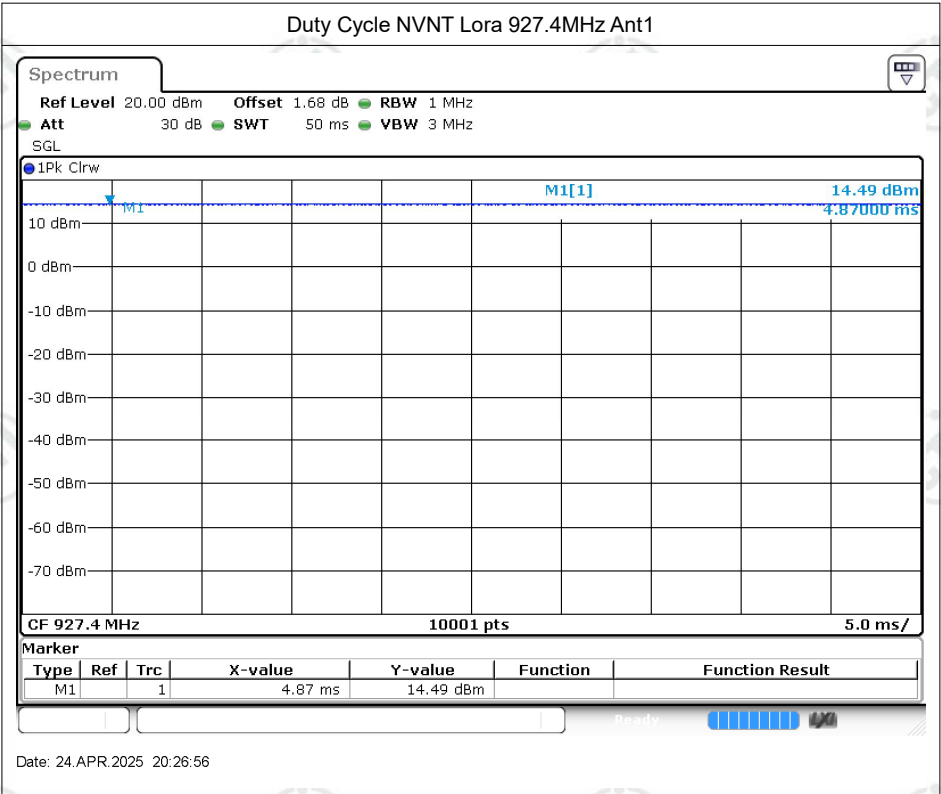
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	Lora	902.5	Ant1	100	0	0
NVNT	Lora	915.78	Ant1	100	0	0
NVNT	Lora	927.4	Ant1	100	0	0



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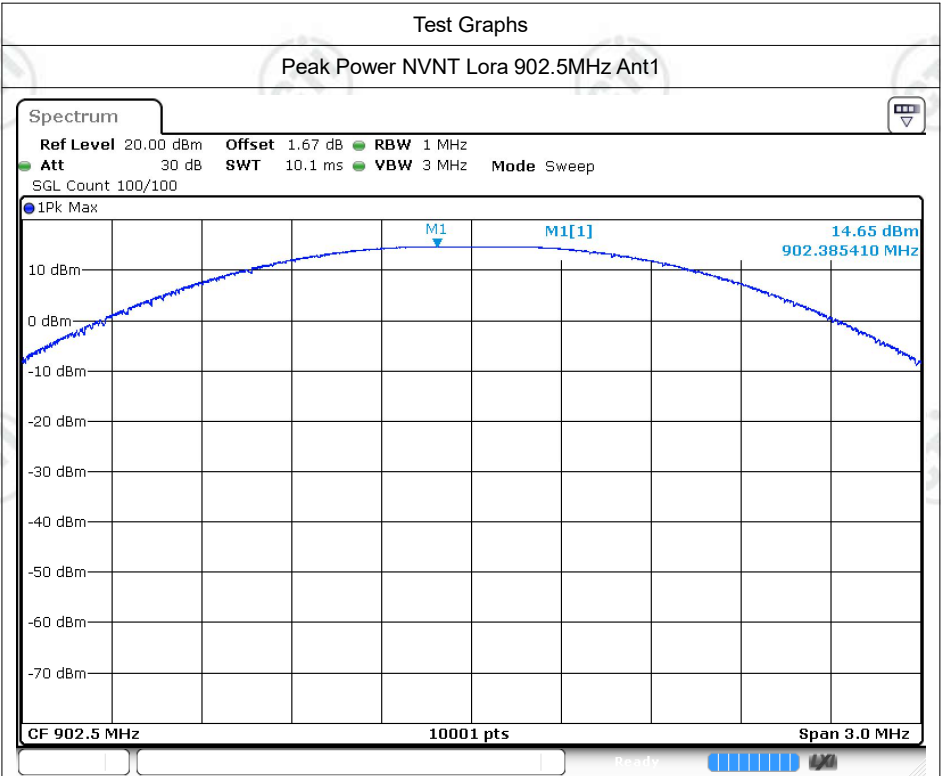


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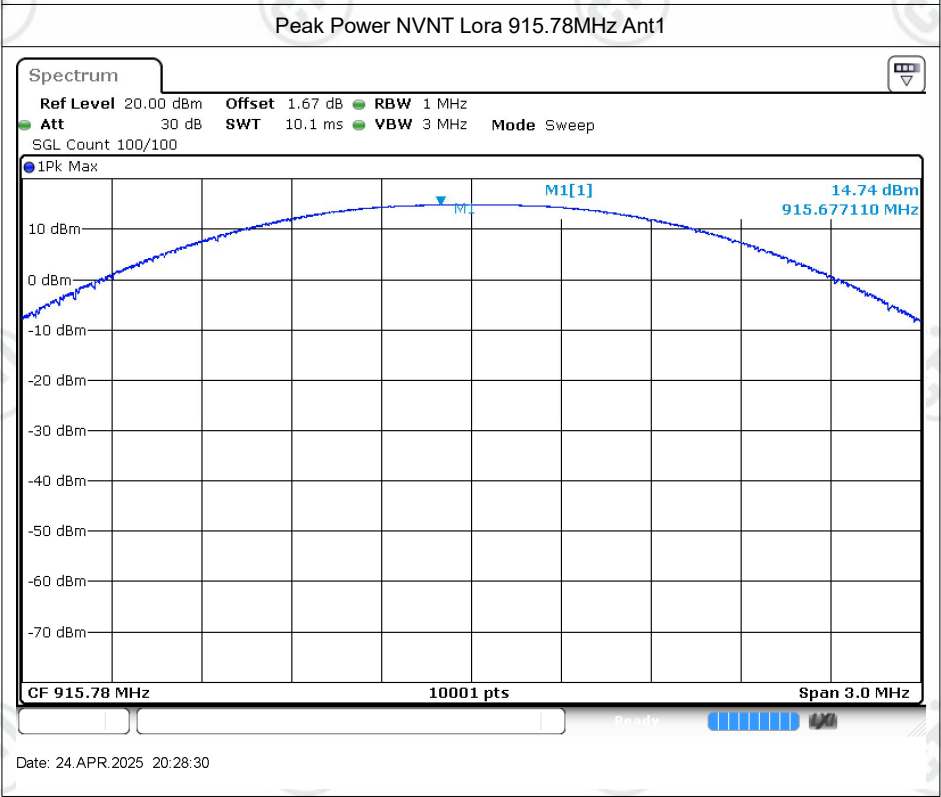


Maximum Peak Conducted Output Power

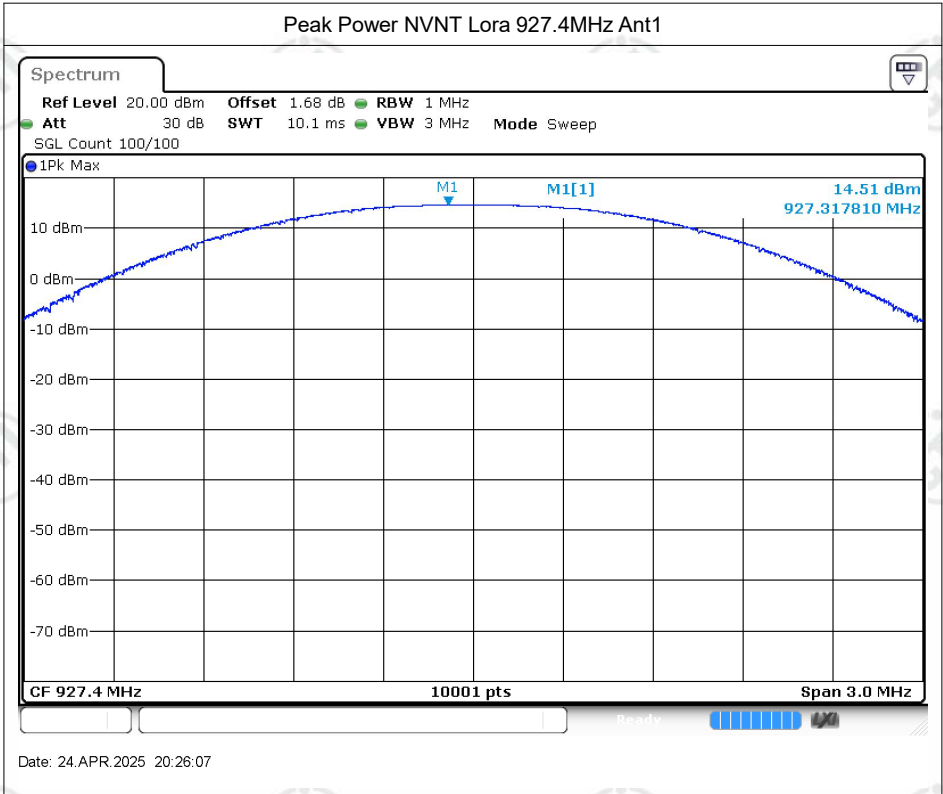
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	Lora	902.5	Ant1	14.65	30	Pass
NVNT	Lora	915.78	Ant1	14.74	30	Pass
NVNT	Lora	927.4	Ant1	14.51	30	Pass



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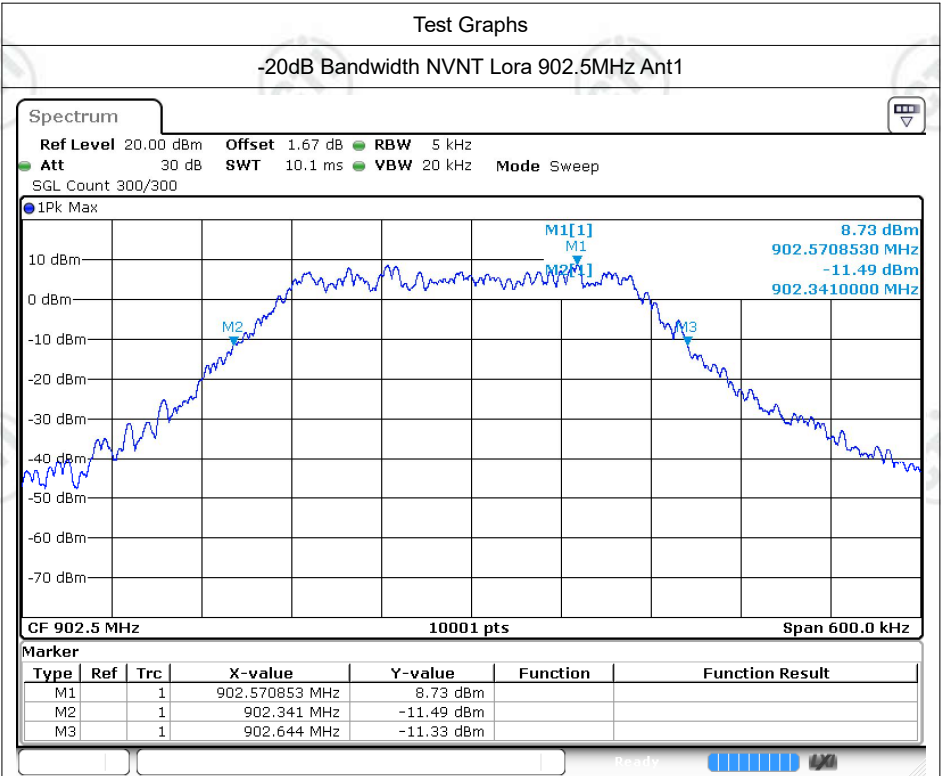


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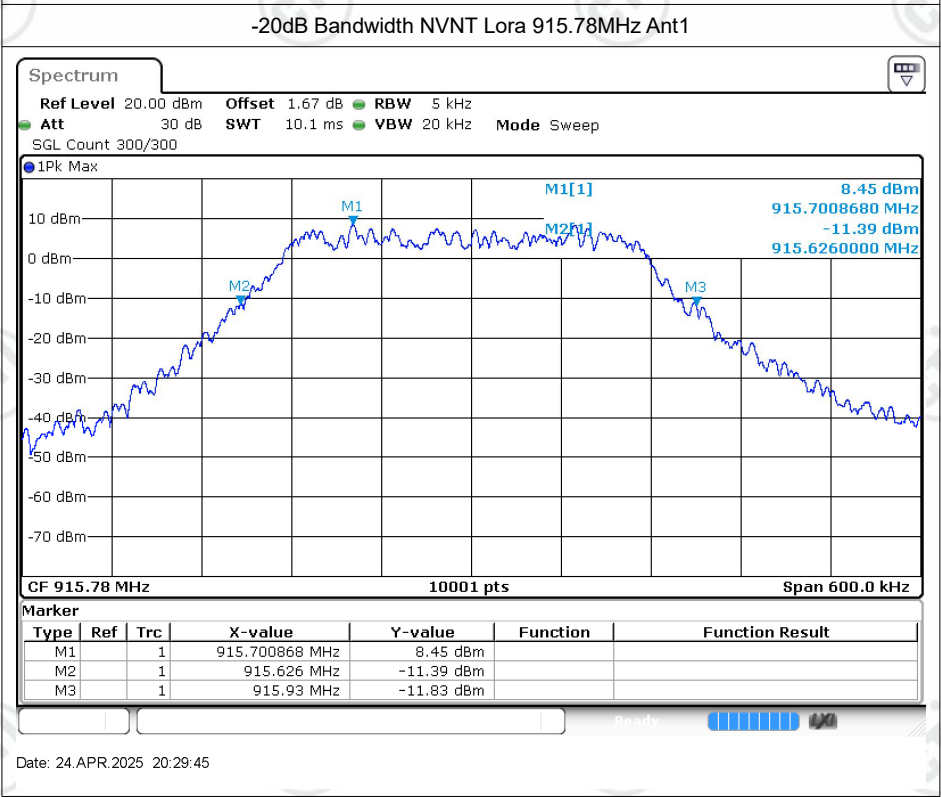


-20dB Bandwidth

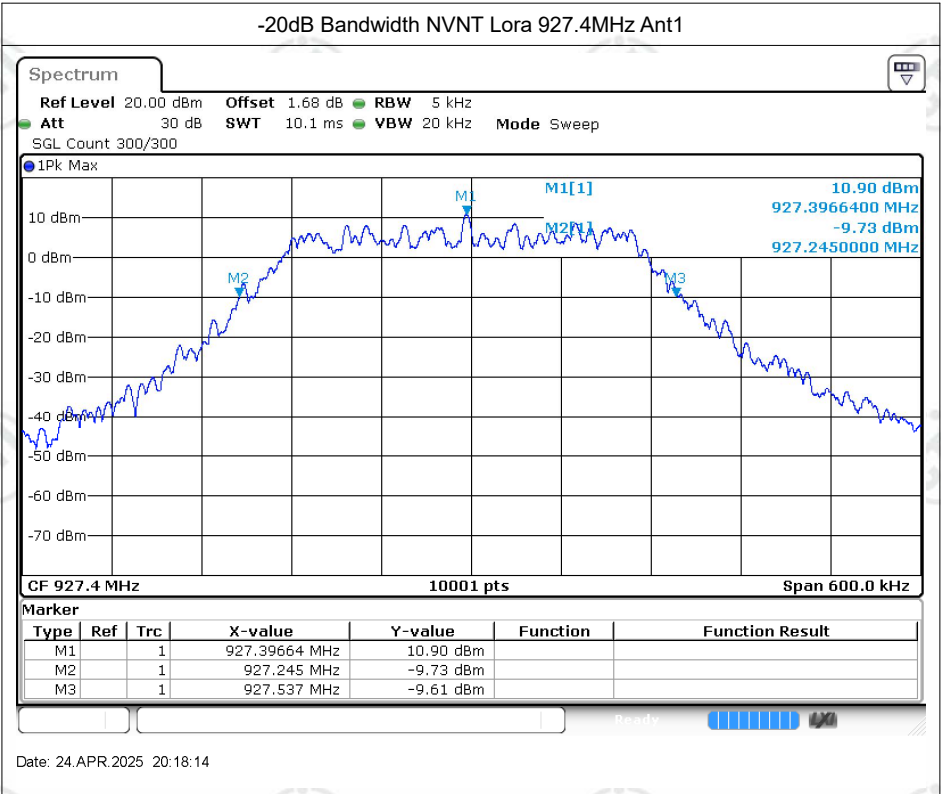
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	Lora	902.5	Ant1	0.303	-	Pass
NVNT	Lora	915.78	Ant1	0.304	-	Pass
NVNT	Lora	927.4	Ant1	0.291	-	Pass



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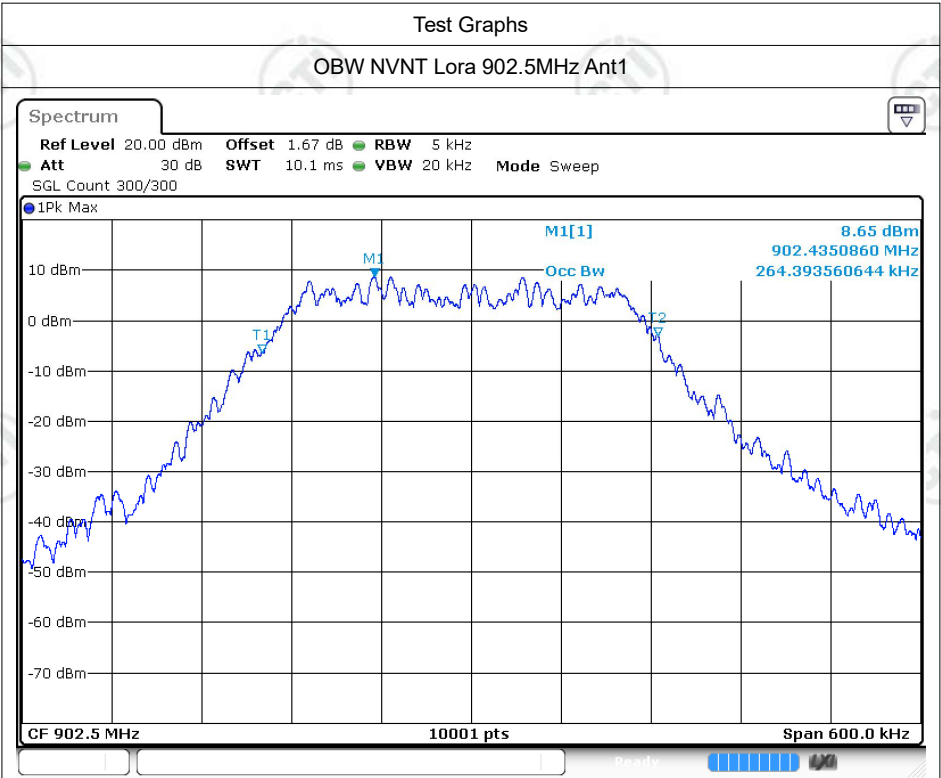


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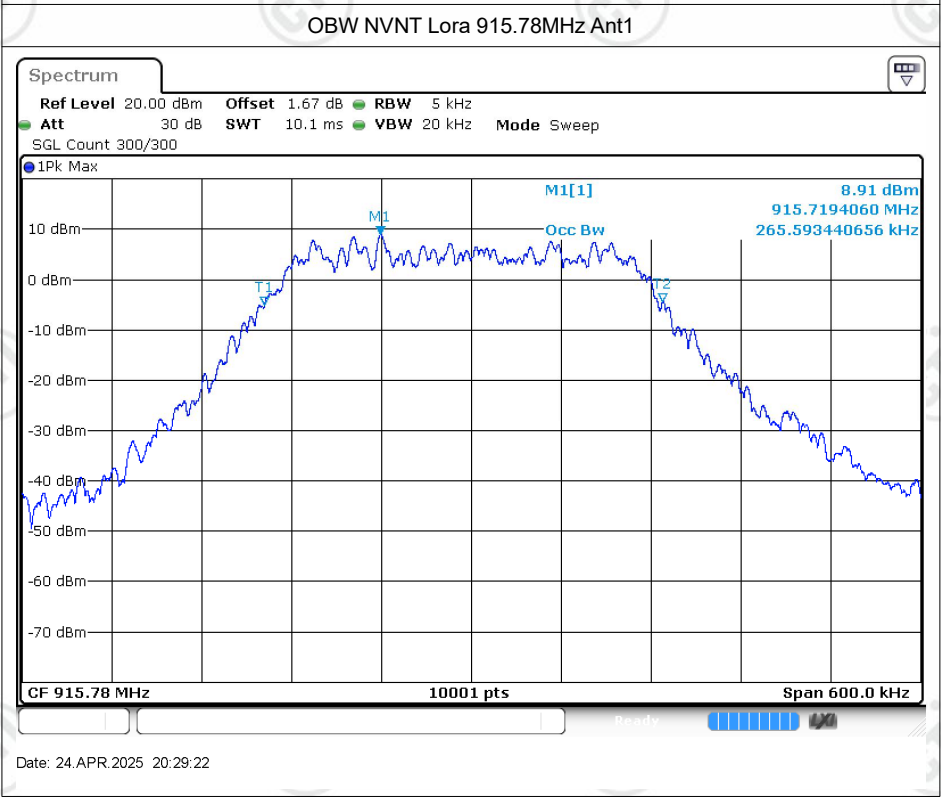


Occupied Channel Bandwidth

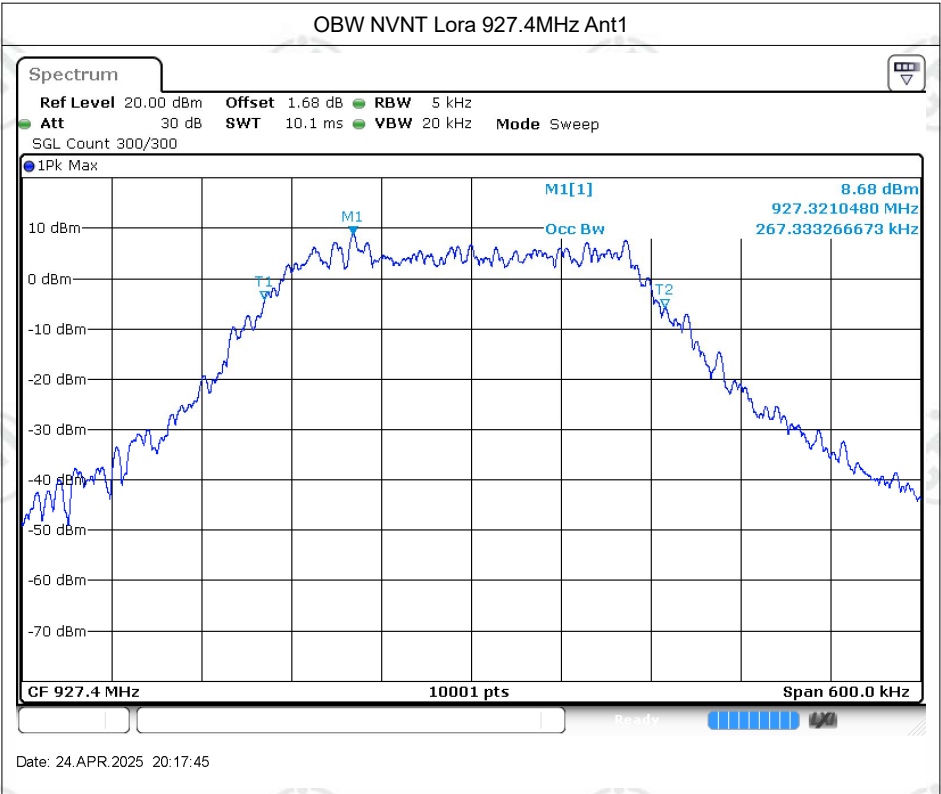
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	Lora	902.5	Ant1	0.264
NVNT	Lora	915.78	Ant1	0.266
NVNT	Lora	927.4	Ant1	0.267



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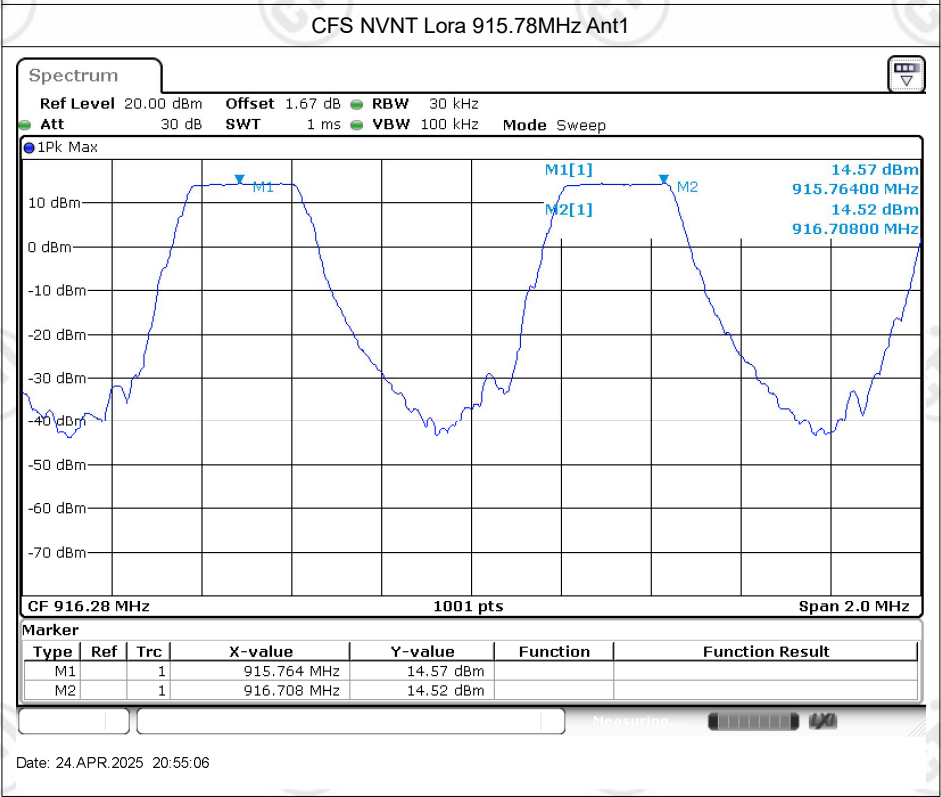
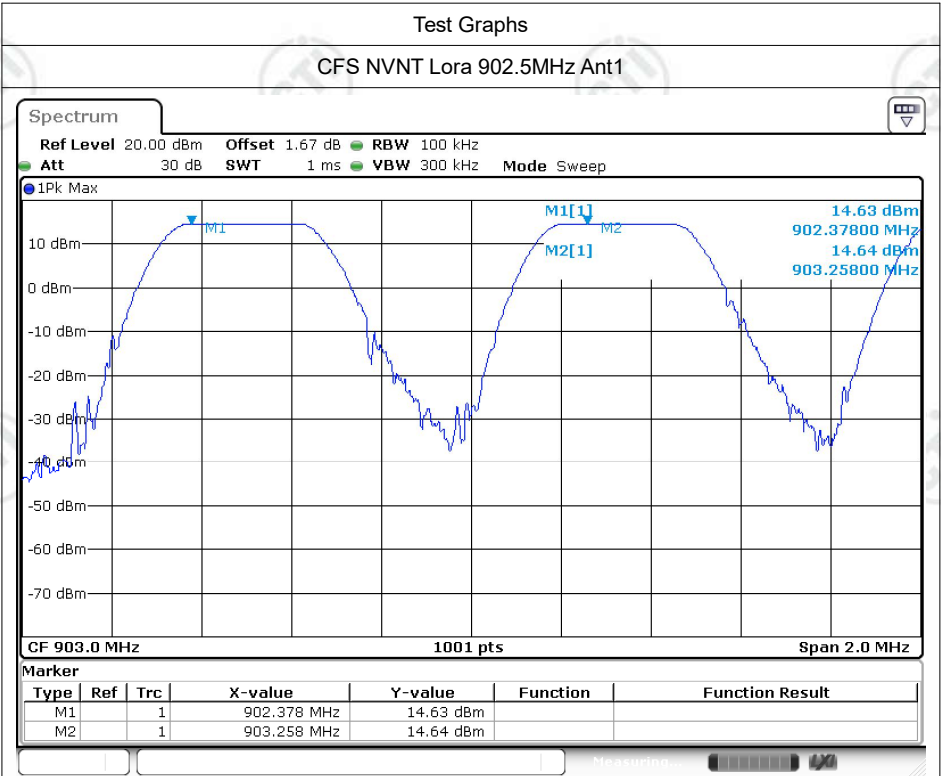


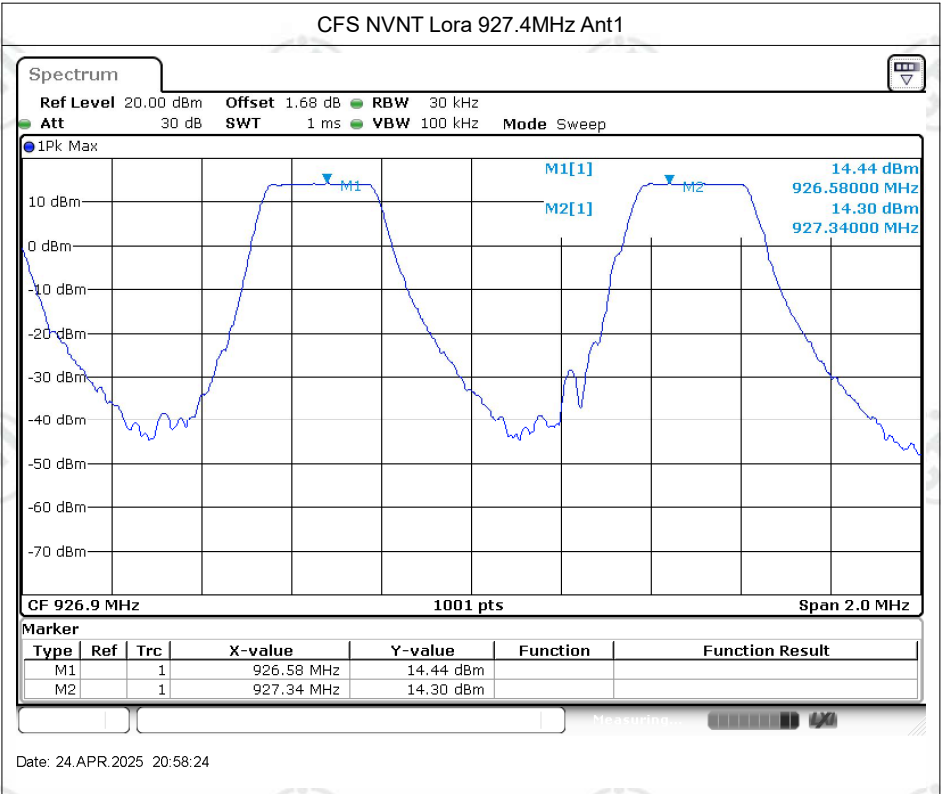
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Carrier Frequencies Separation

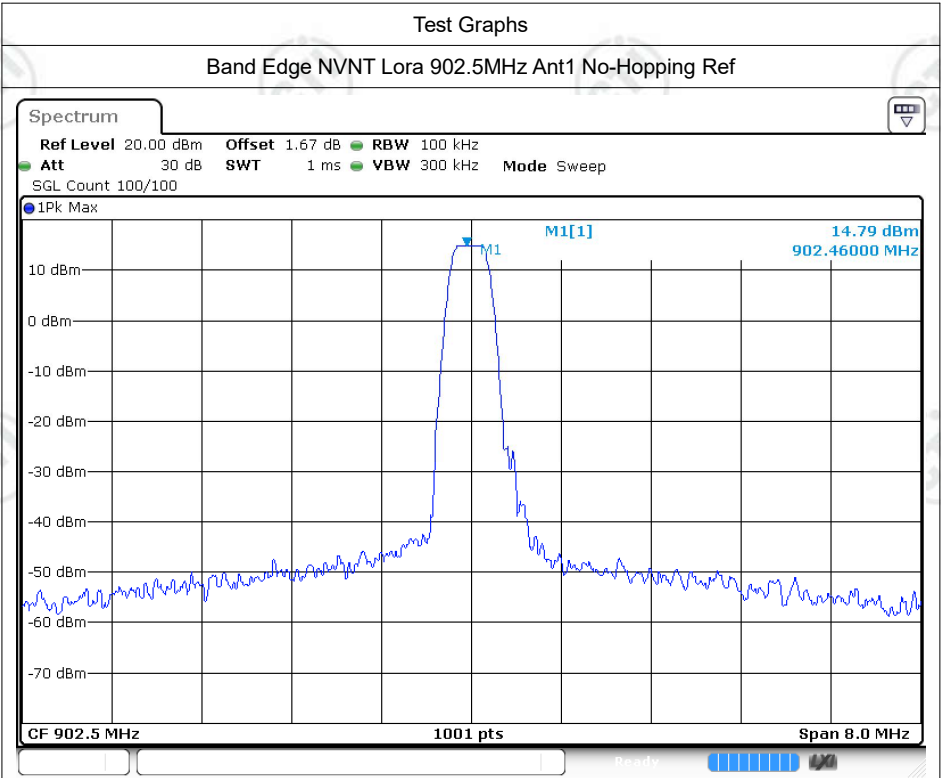
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	Lora	Ant1	902.378	903.258	0.88	0.202	Pass
NVNT	Lora	Ant1	915.764	916.708	0.944	0.203	Pass
NVNT	Lora	Ant1	926.58	927.34	0.76	0.194	Pass



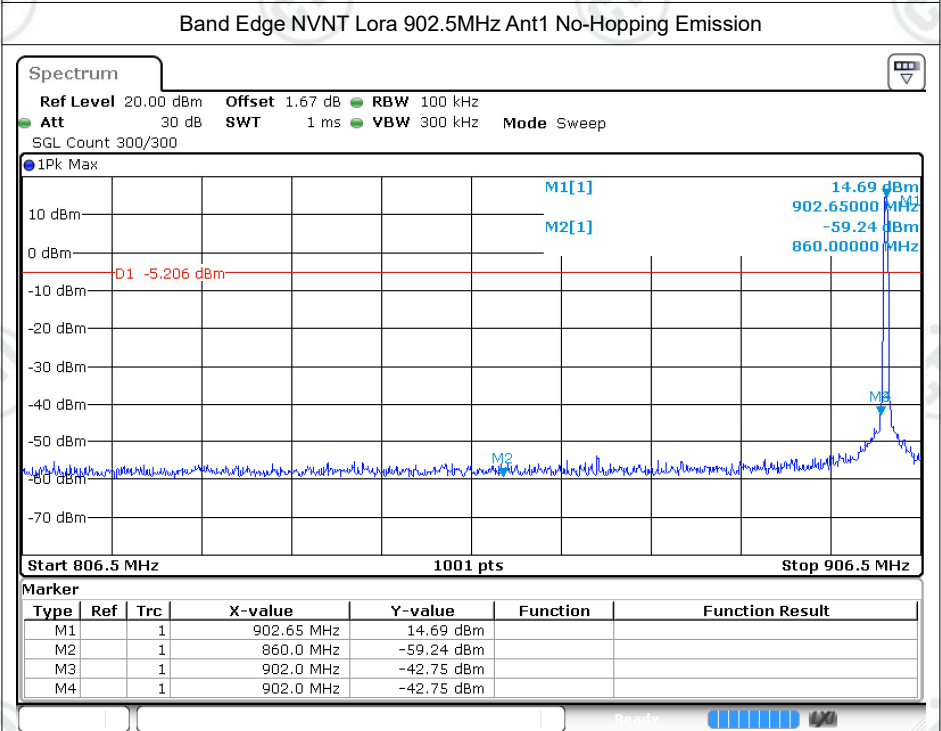


Band Edge

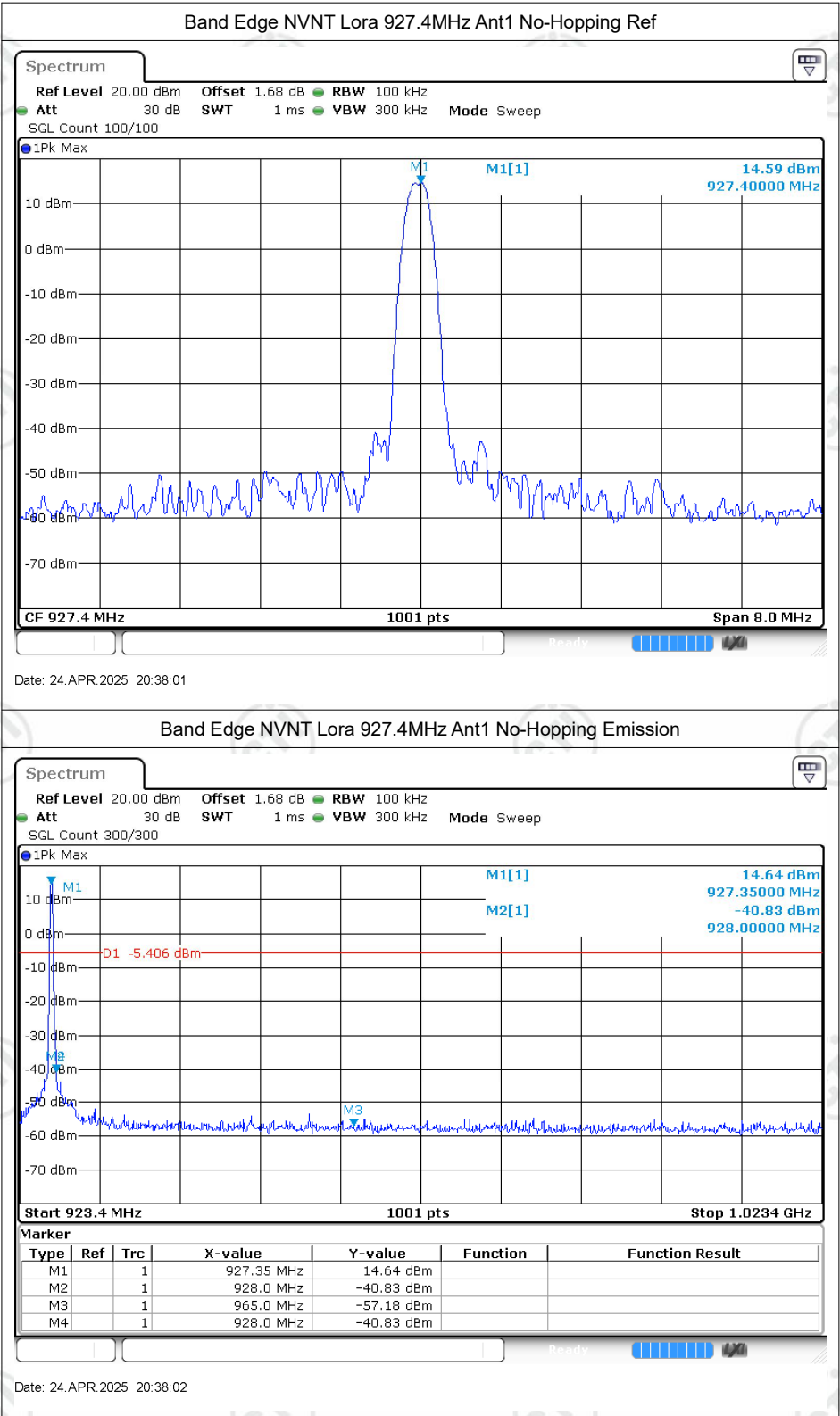
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Result[dBm]	Limit[dBm]	Verdict
NVNT	Lora	902.5	Ant1	No-Hopping	-42.75	-5.206	Pass
NVNT	Lora	927.4	Ant1	No-Hopping	-40.83	-5.406	Pass



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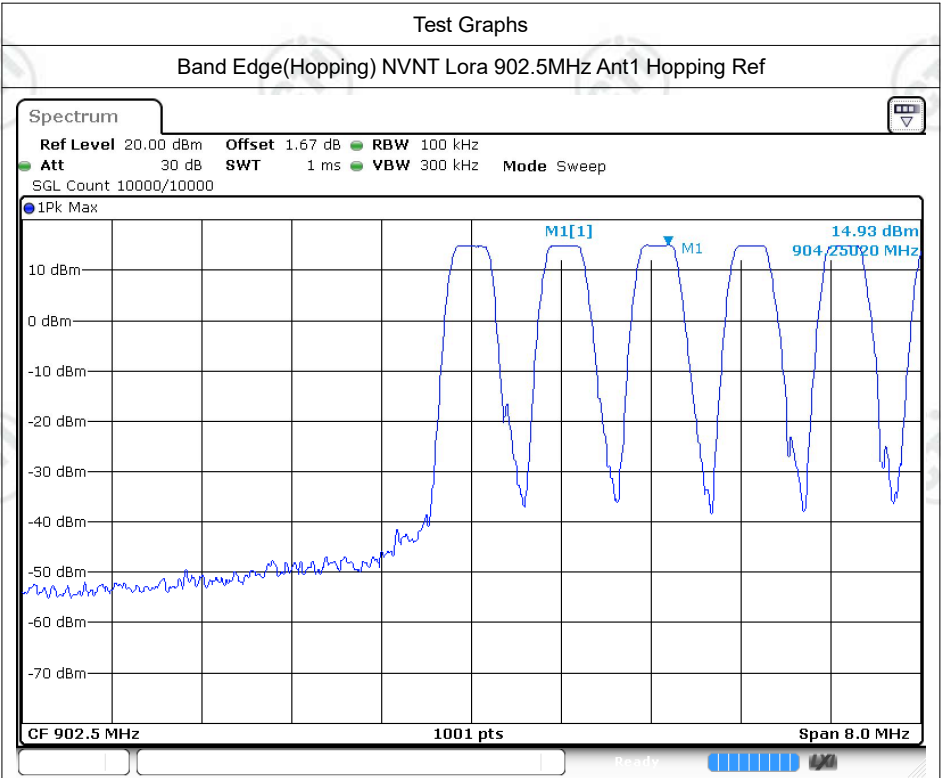


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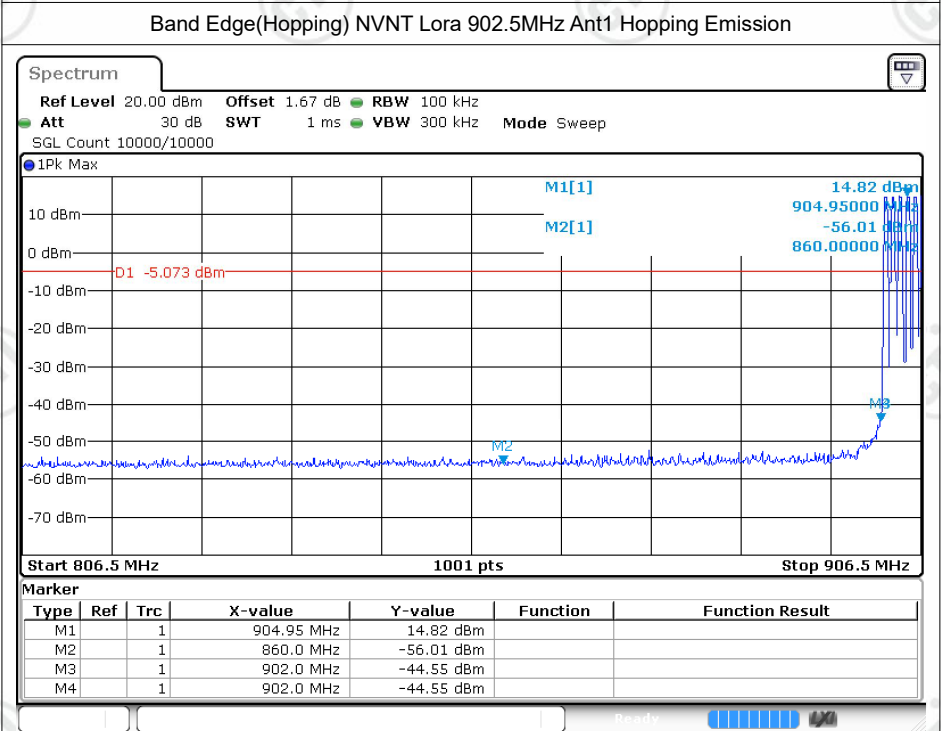


Band Edge(Hopping)

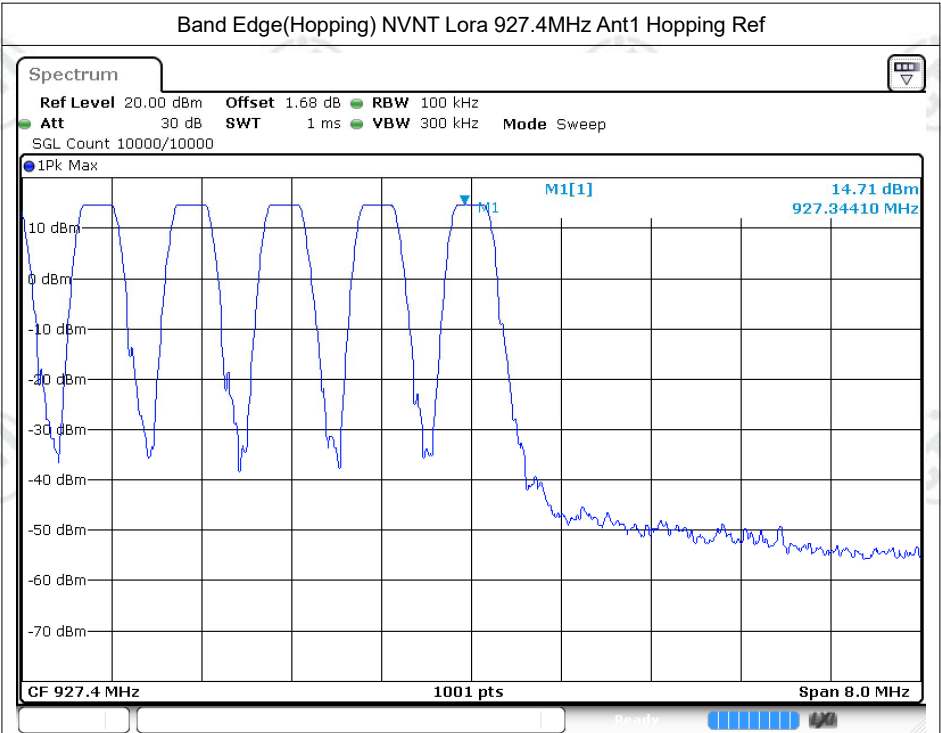
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Result[dBm]	Limit[dBm]	Verdict
NVNT	Lora	902.5	Ant1	Hopping	-44.55	-5.073	Pass
NVNT	Lora	927.4	Ant1	Hopping	-39.12	-5.295	Pass



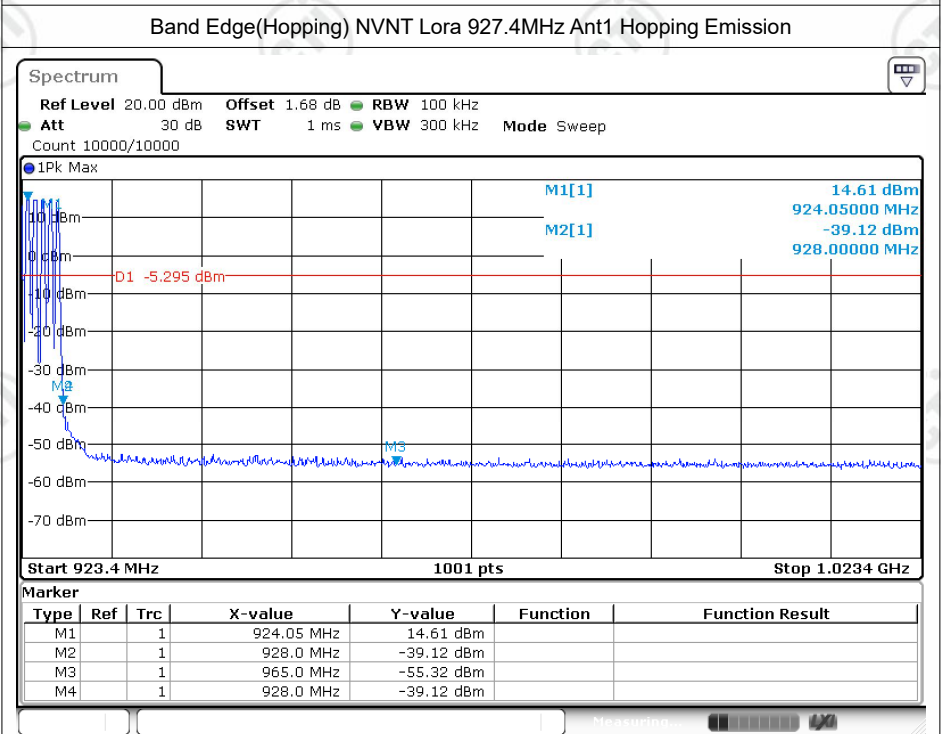
Date: 24.APR.2025 20:41:51



Date: 24.APR.2025 20:42:37



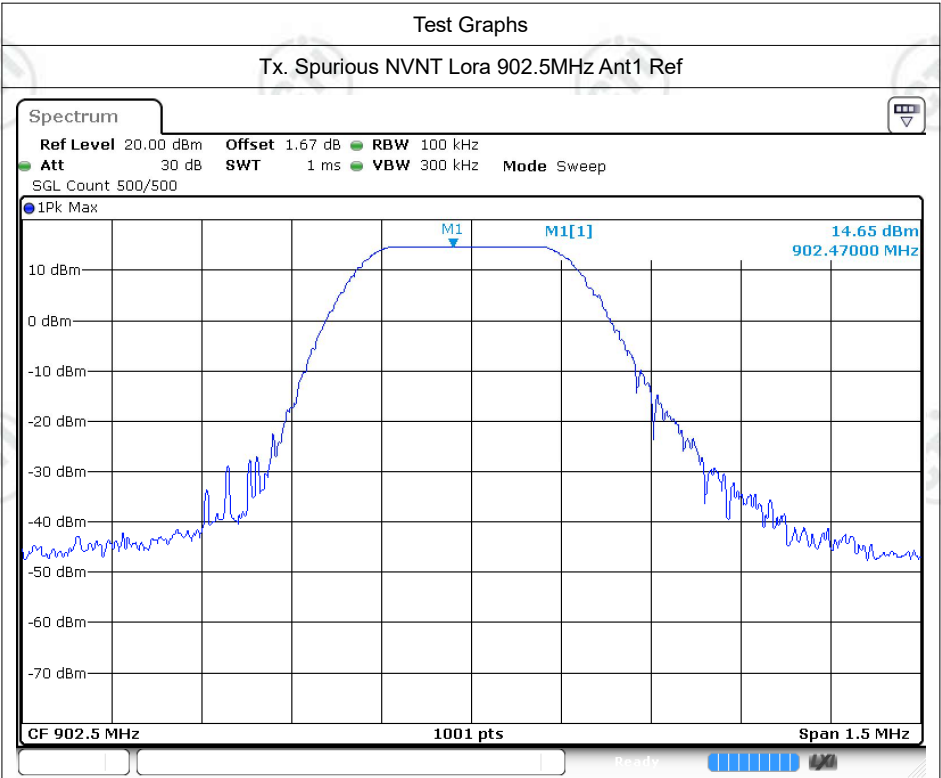
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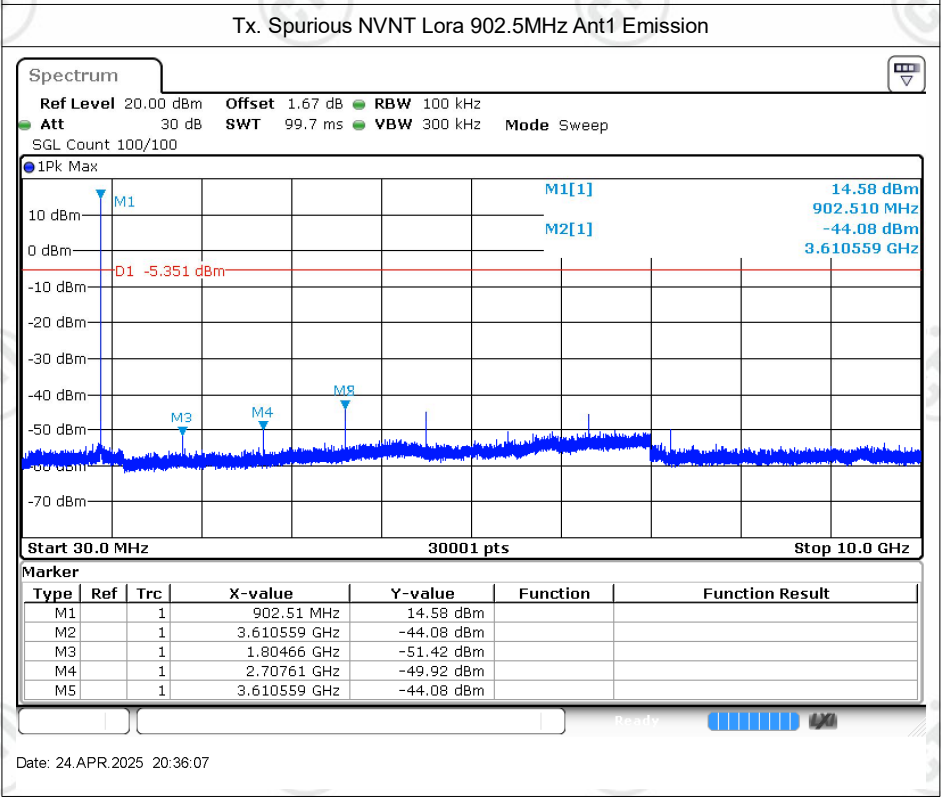
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Conducted RF Spurious Emission

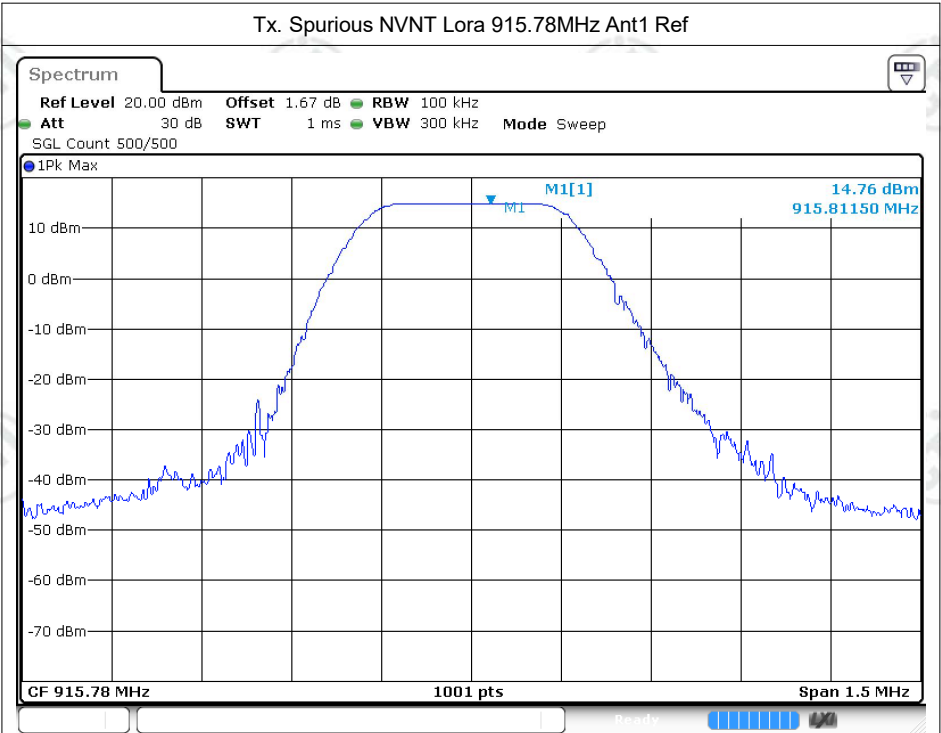
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	Lora	902.5	Ant1	-58.73	-20	Pass
NVNT	Lora	915.78	Ant1	-57.66	-20	Pass
NVNT	Lora	927.4	Ant1	-57.77	-20	Pass



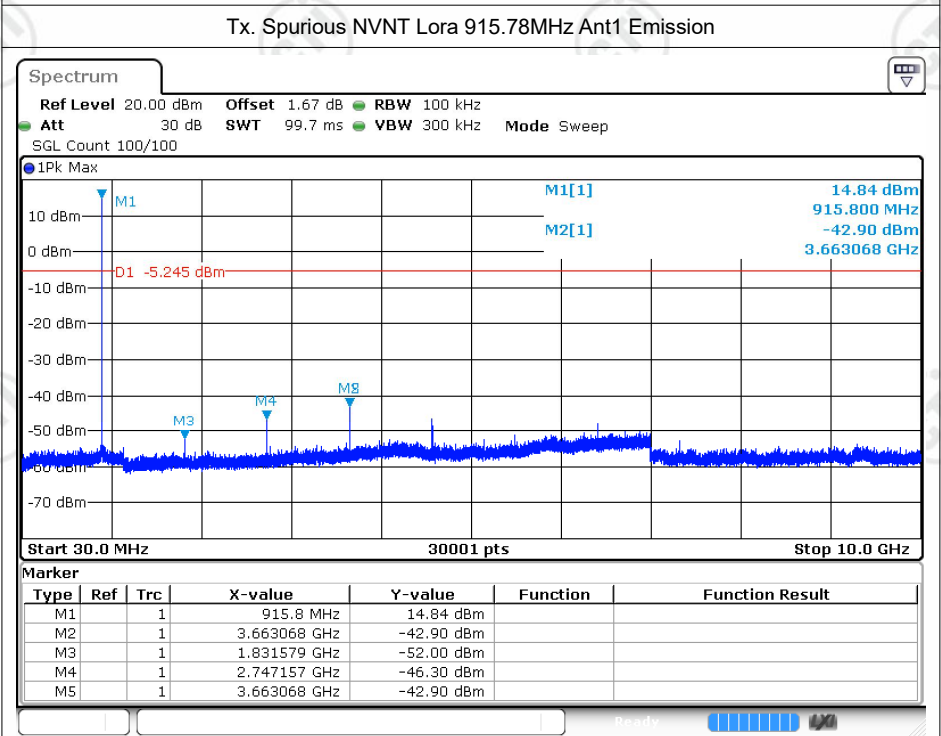
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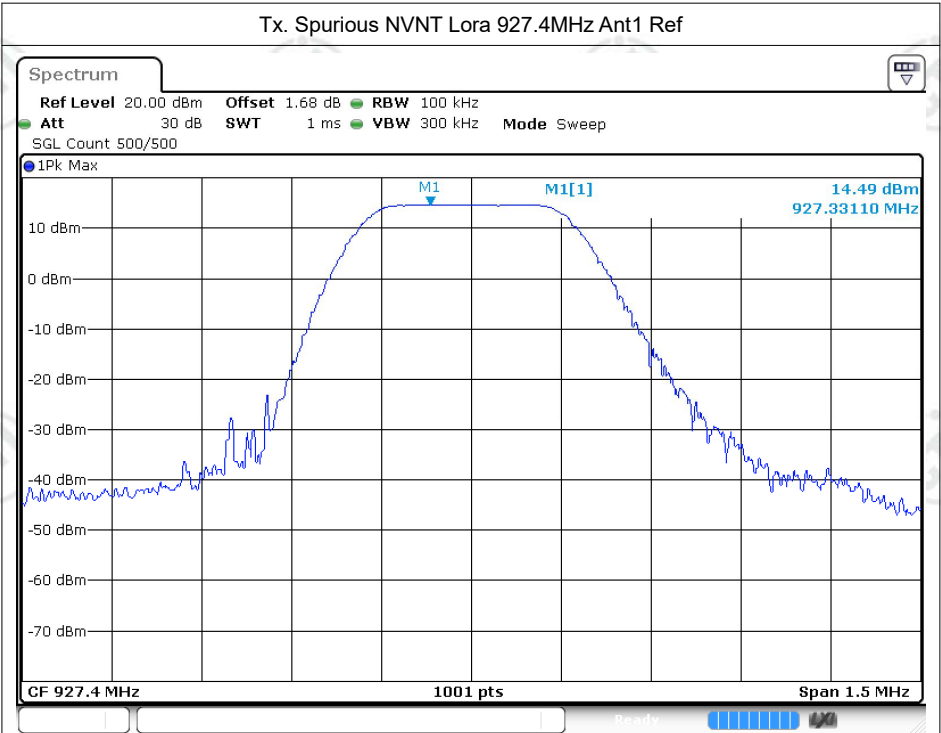
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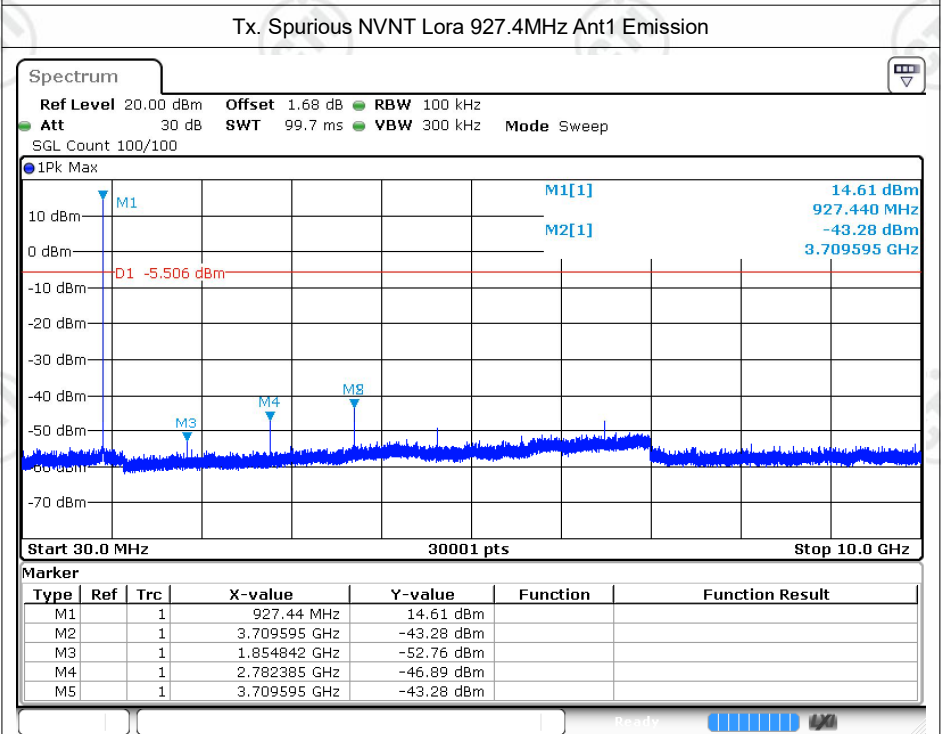
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Date: 24.APR.2025 20:32:06



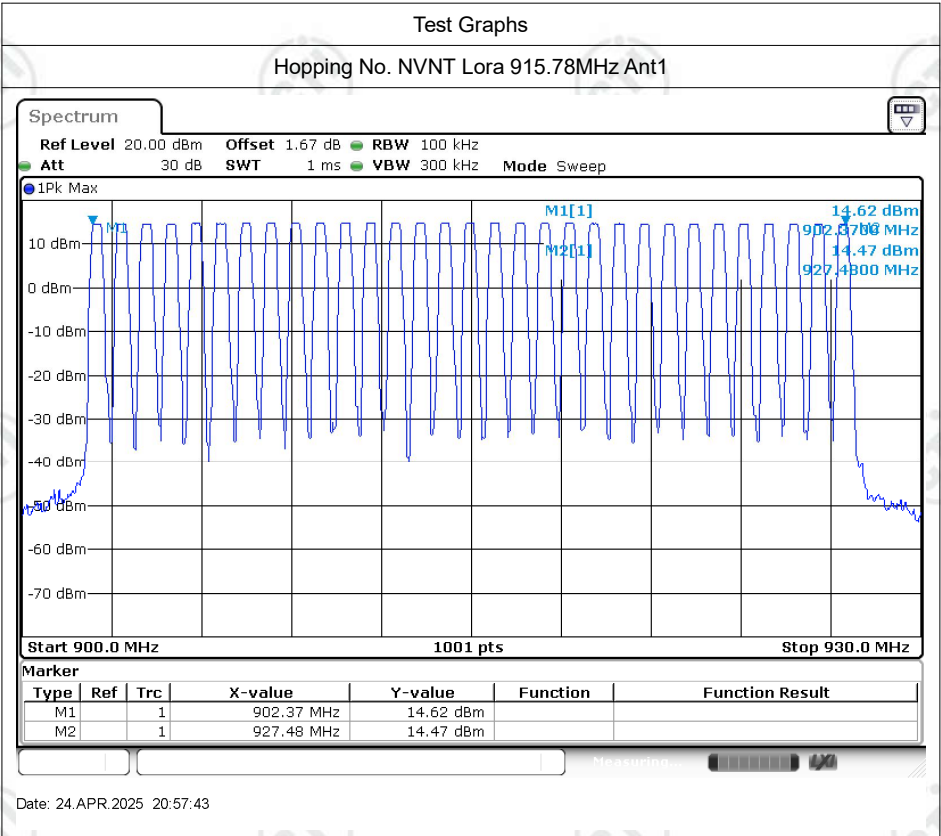
Date: 24.APR.2025 20:24:39



Date: 24.APR.2025 20:25:20

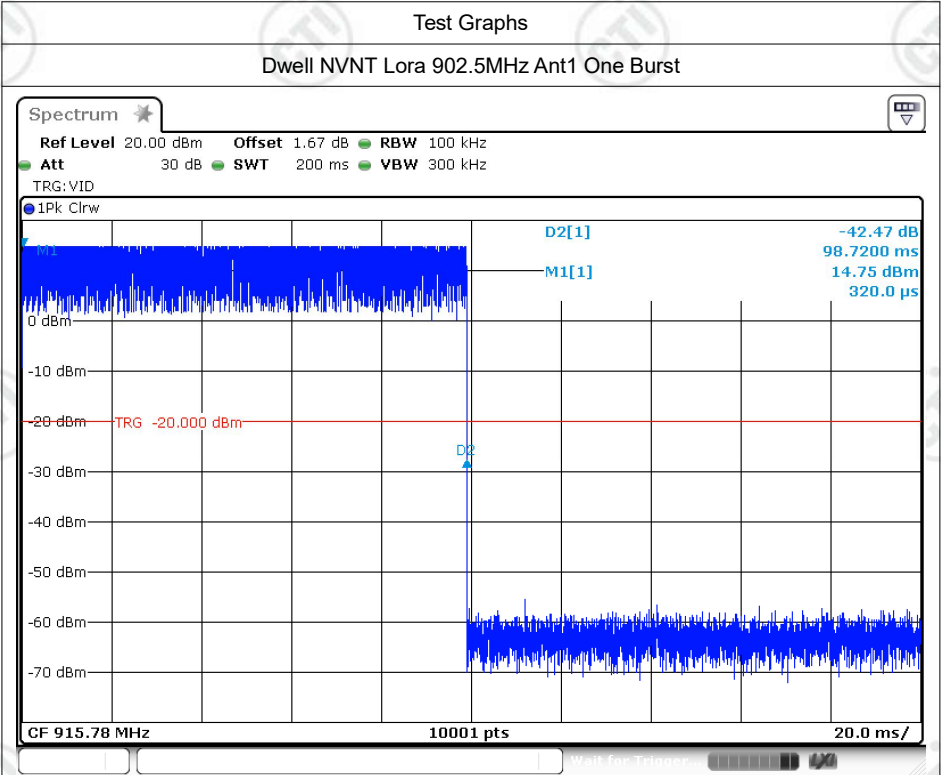
Number of Hopping Channel

Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	Lora	Ant1	31	15	Pass

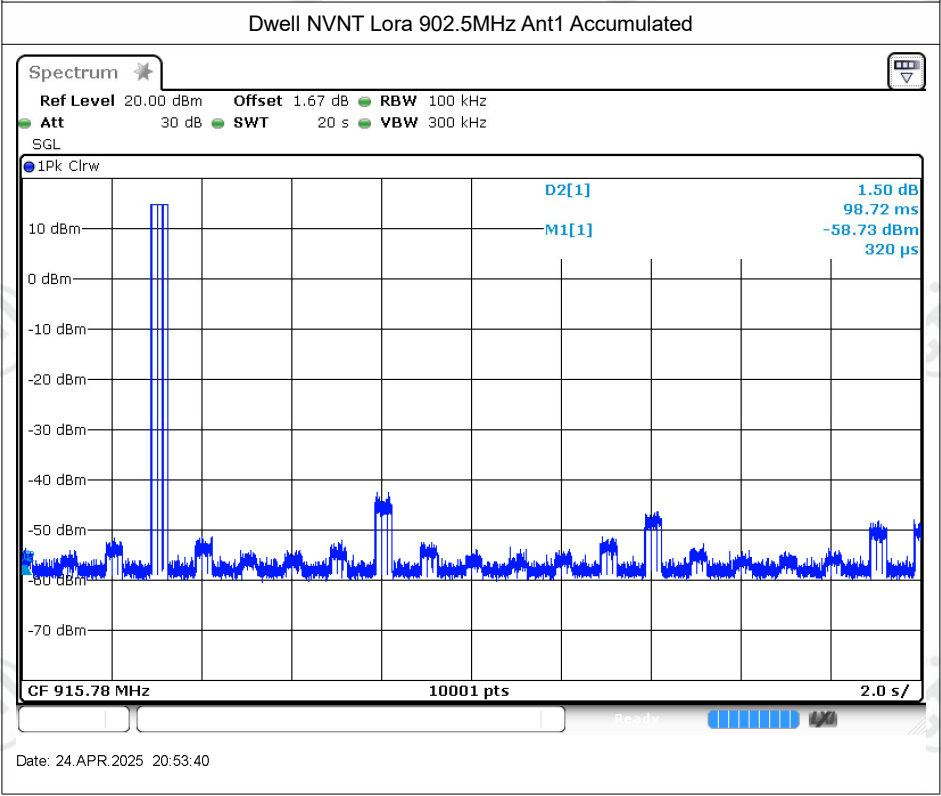


Dwell Time

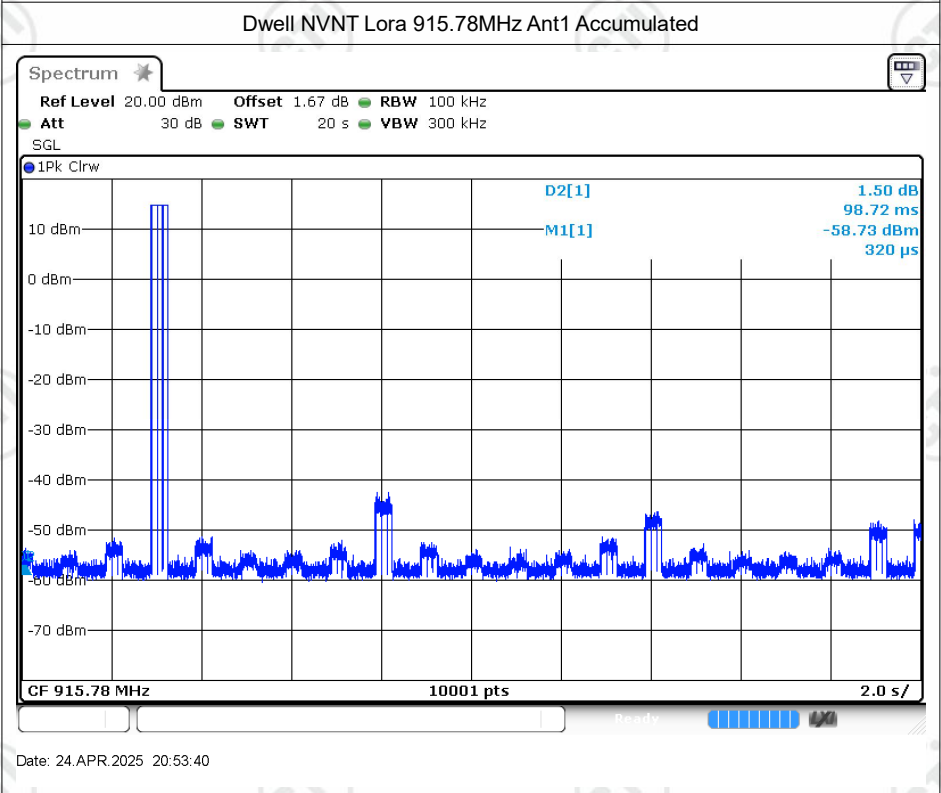
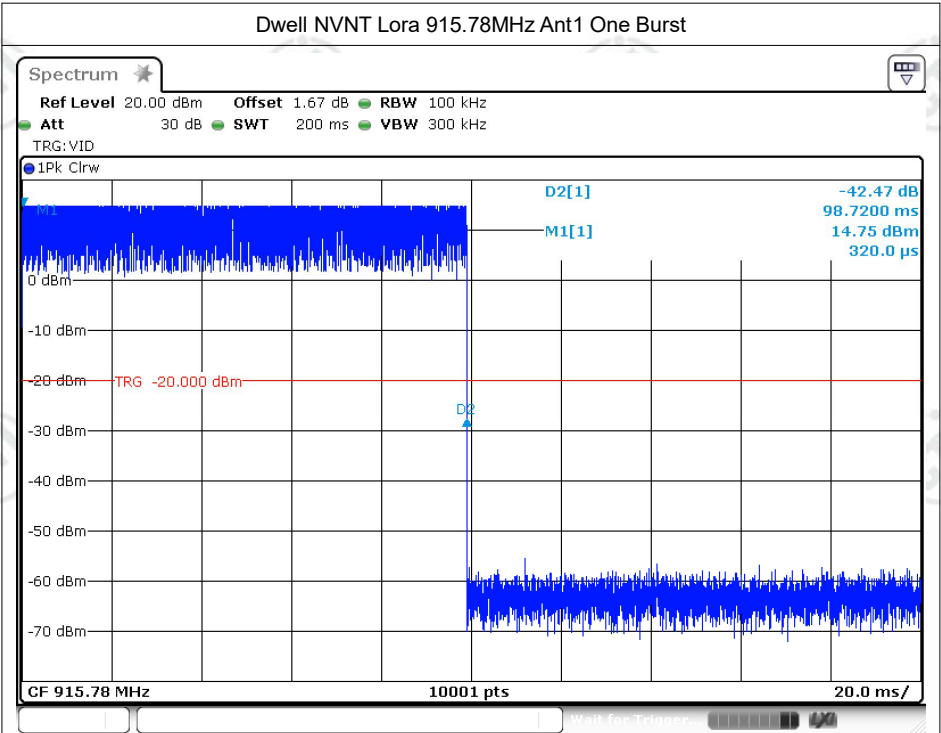
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	Lora	902.5	Ant1	98.72	296.16	3	200000	400	Pass
NVNT	Lora	915.78	Ant1	98.72	296.16	3	200000	400	Pass
NVNT	Lora	927.4	Ant1	98.72	296.16	3	200000	400	Pass

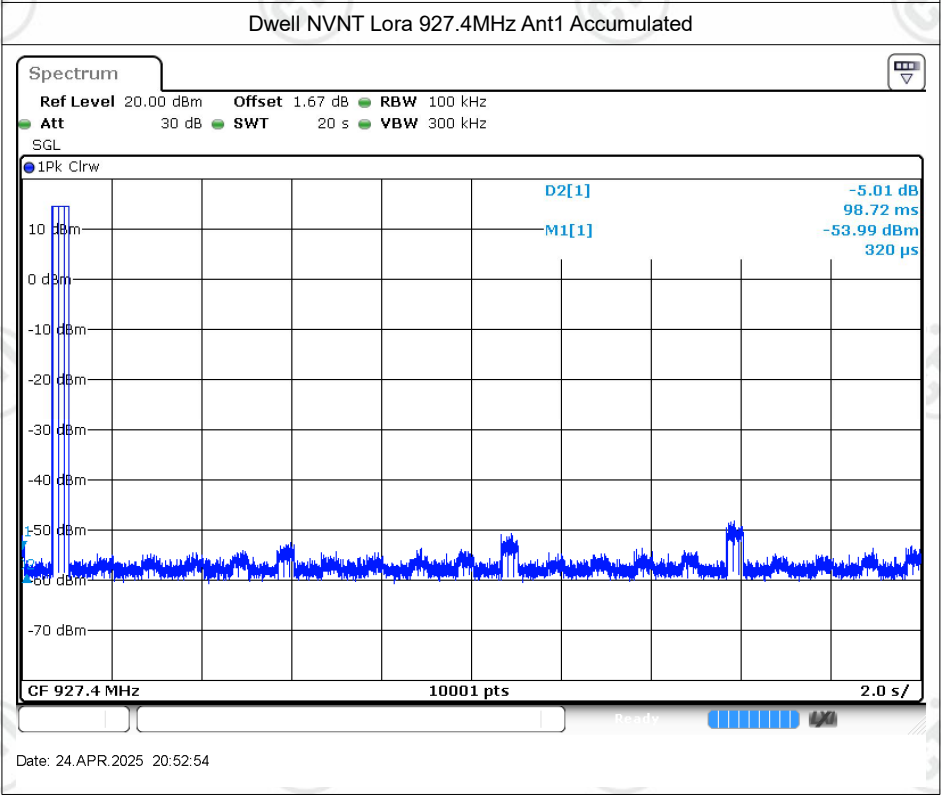
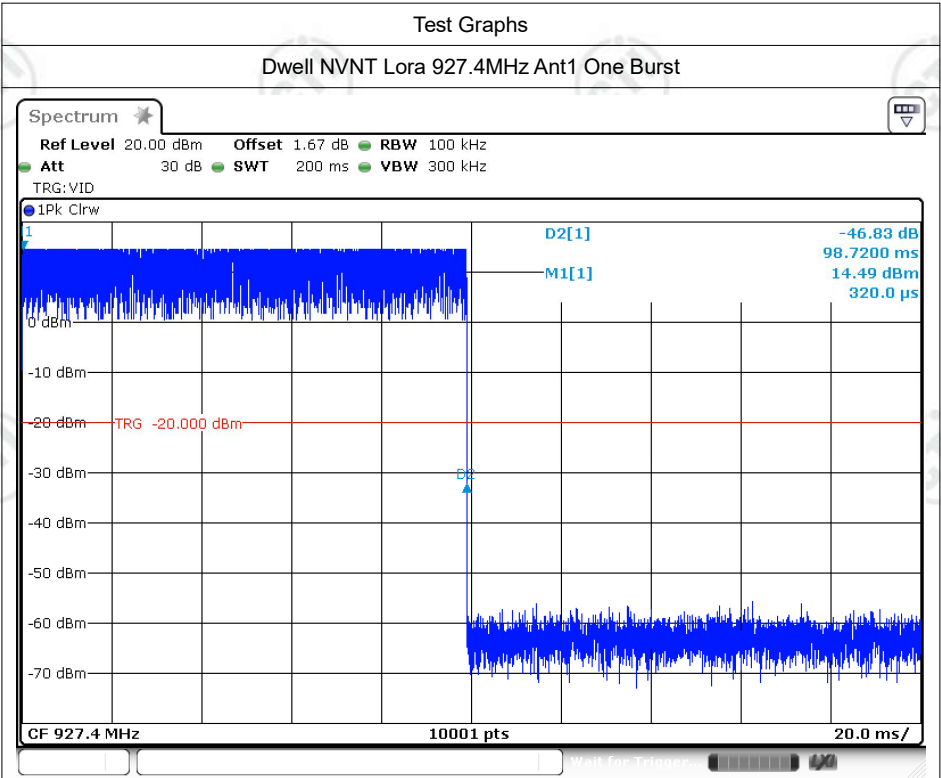


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Date: 24.APR.2025 20:53:40





*** End of Report ***