

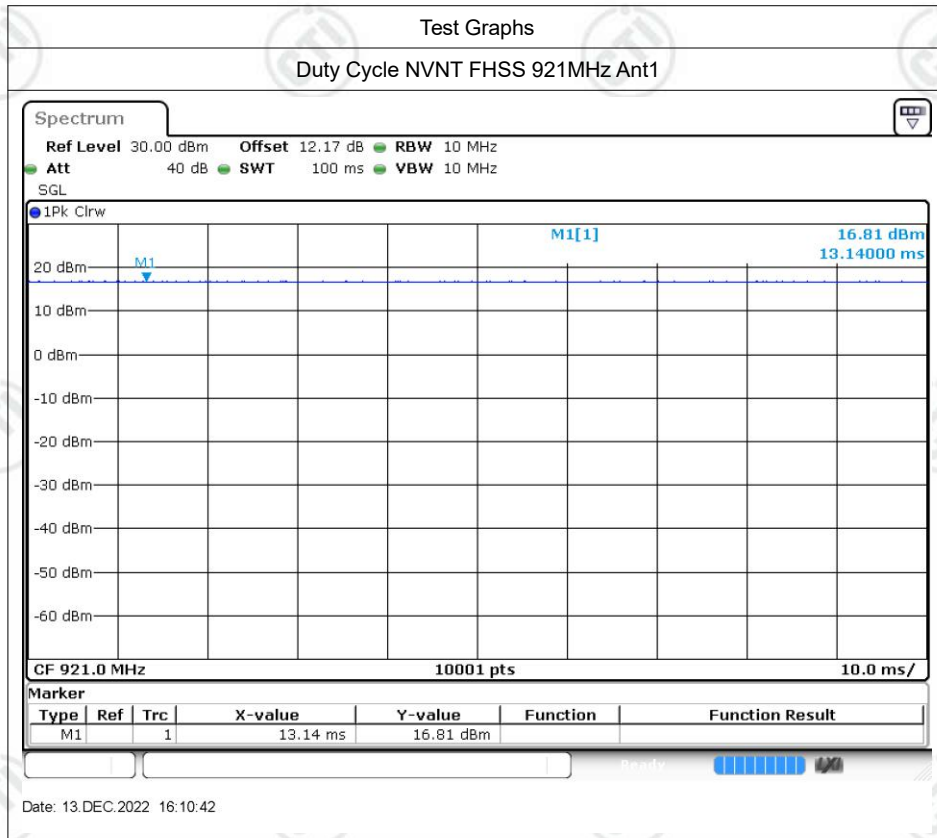
Appendix: Lora FHSS

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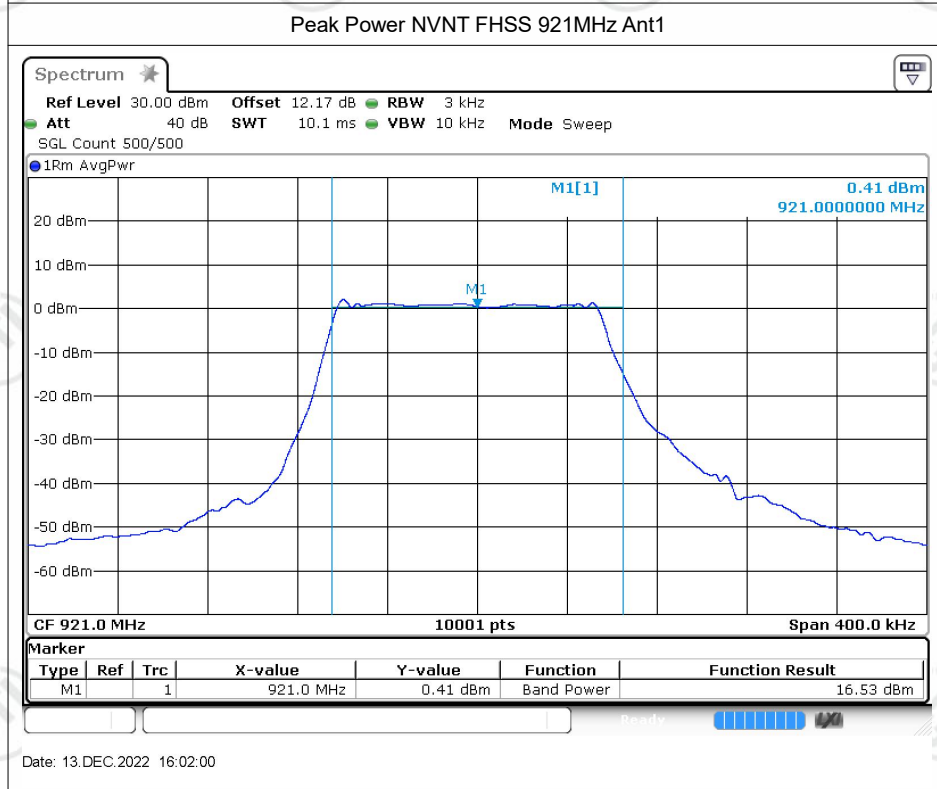
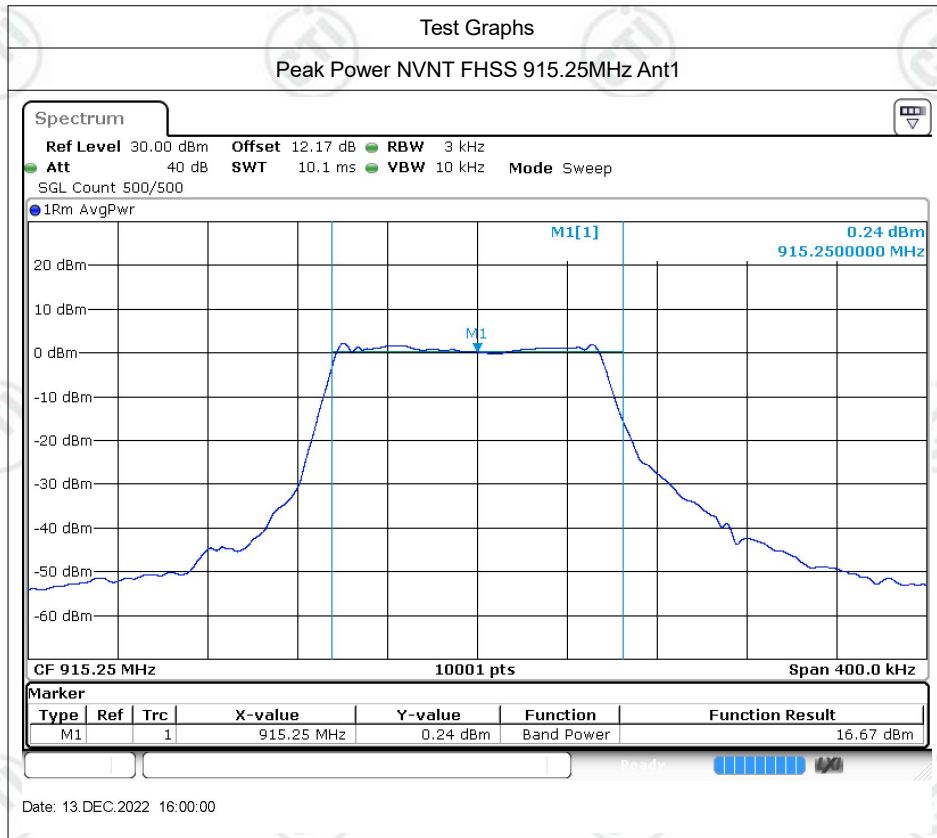
Duty Cycle

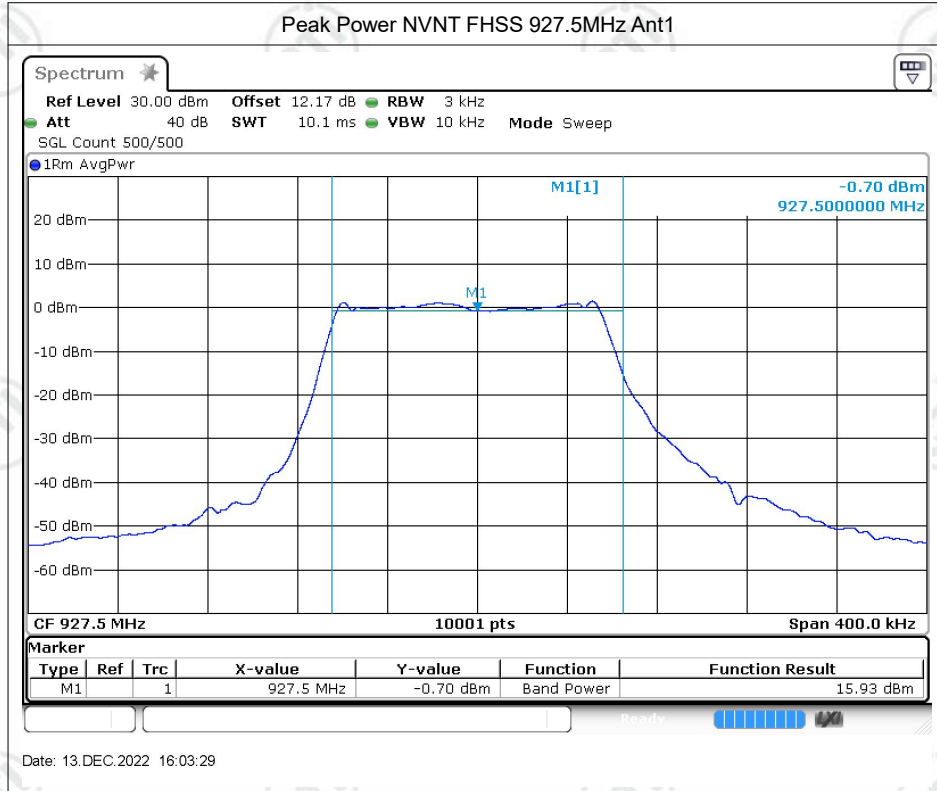
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	FHSS	921	Ant1	100	0	0



Maximum Peak Conducted Output Power

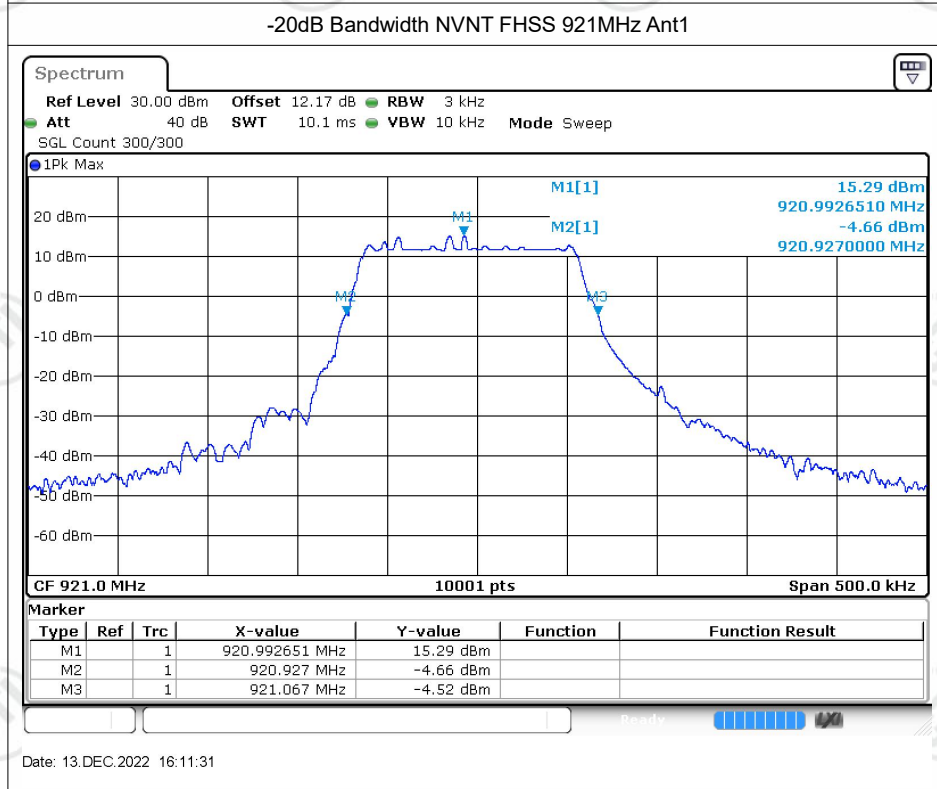
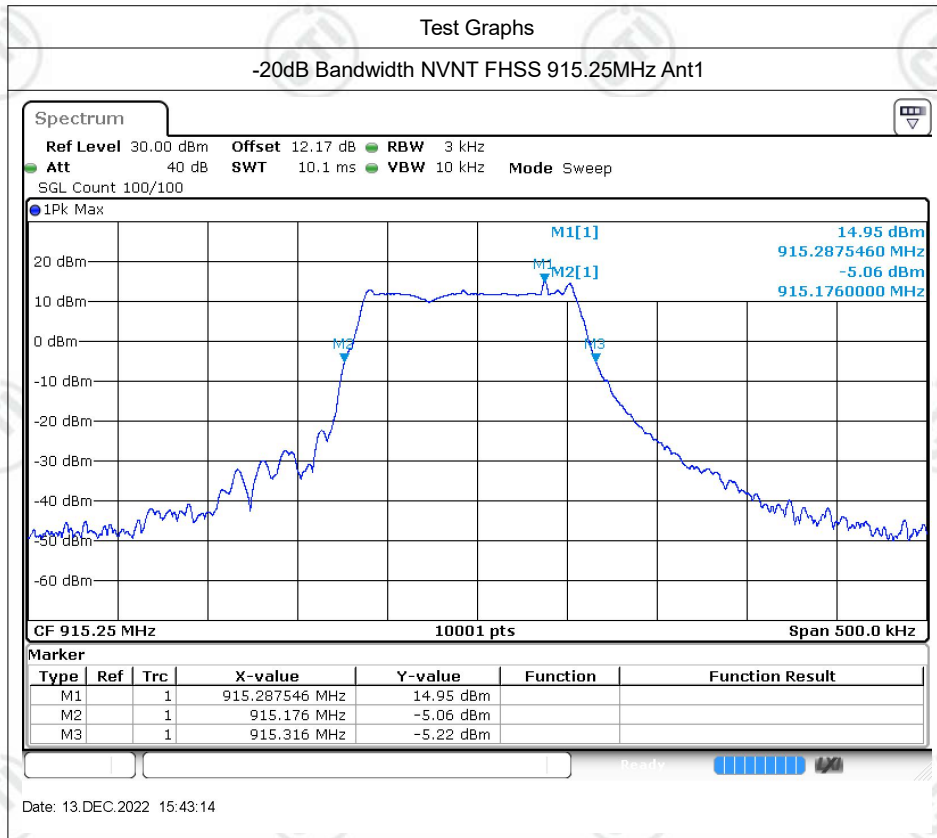
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	FHSS	915.25	Ant1	16.67	30	Pass
NVNT	FHSS	921	Ant1	16.57	30	Pass
NVNT	FHSS	927.5	Ant1	15.93	30	Pass

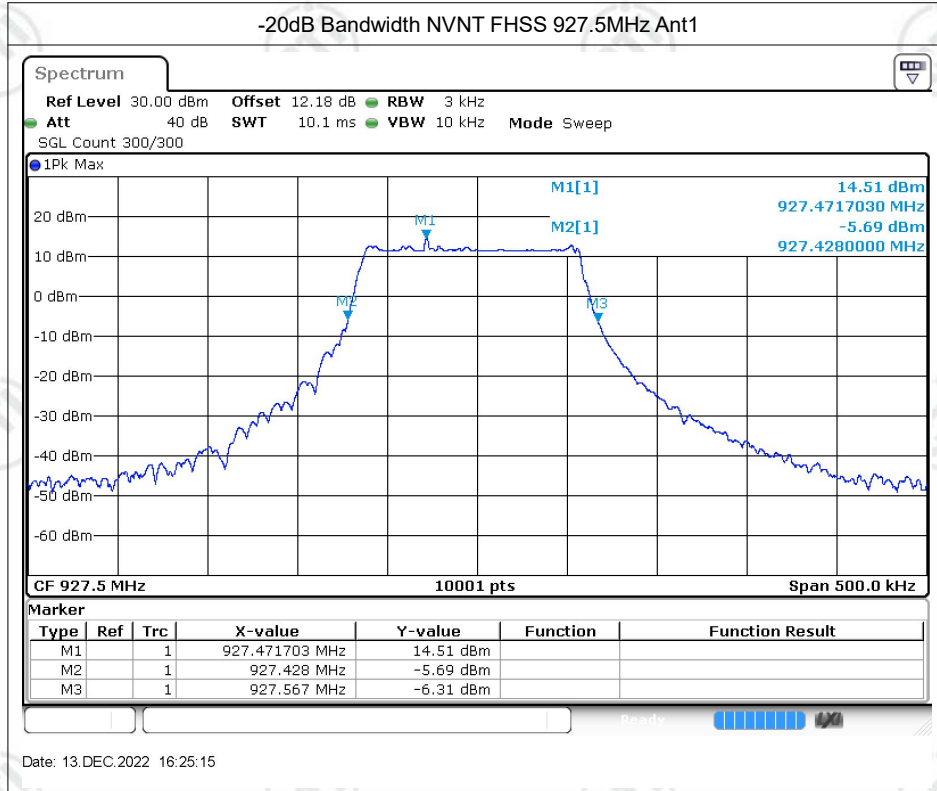




-20dB Bandwidth

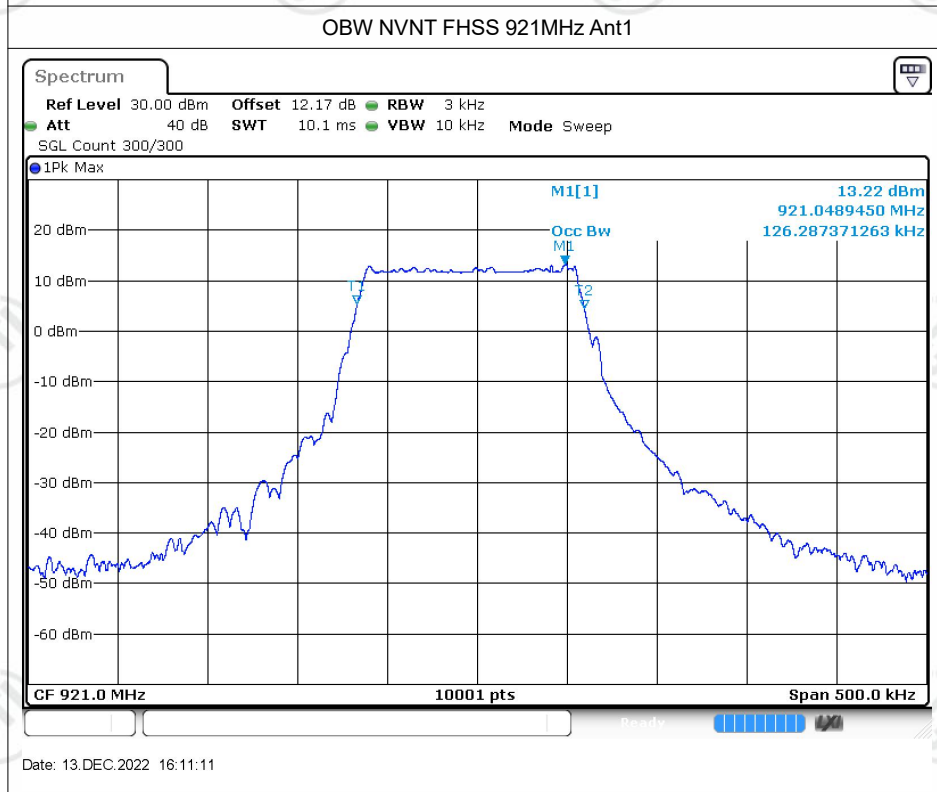
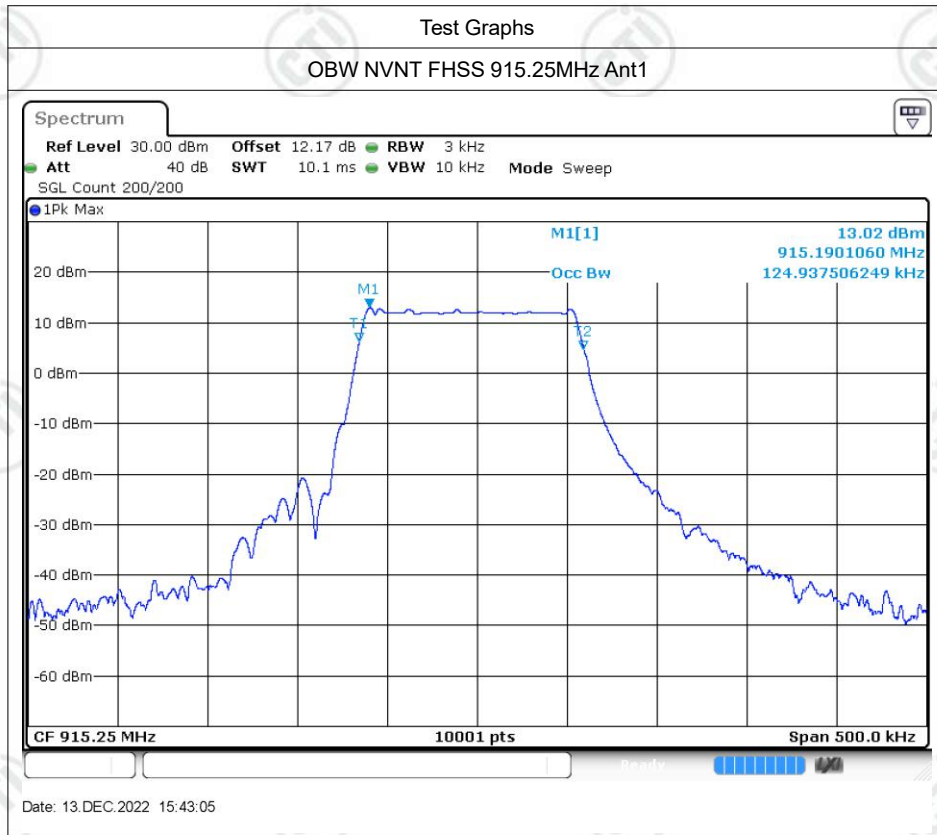
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	FHSS	915.25	Ant1	0.14	---	Pass
NVNT	FHSS	921	Ant1	0.14	---	Pass
NVNT	FHSS	927.5	Ant1	0.138	---	Pass

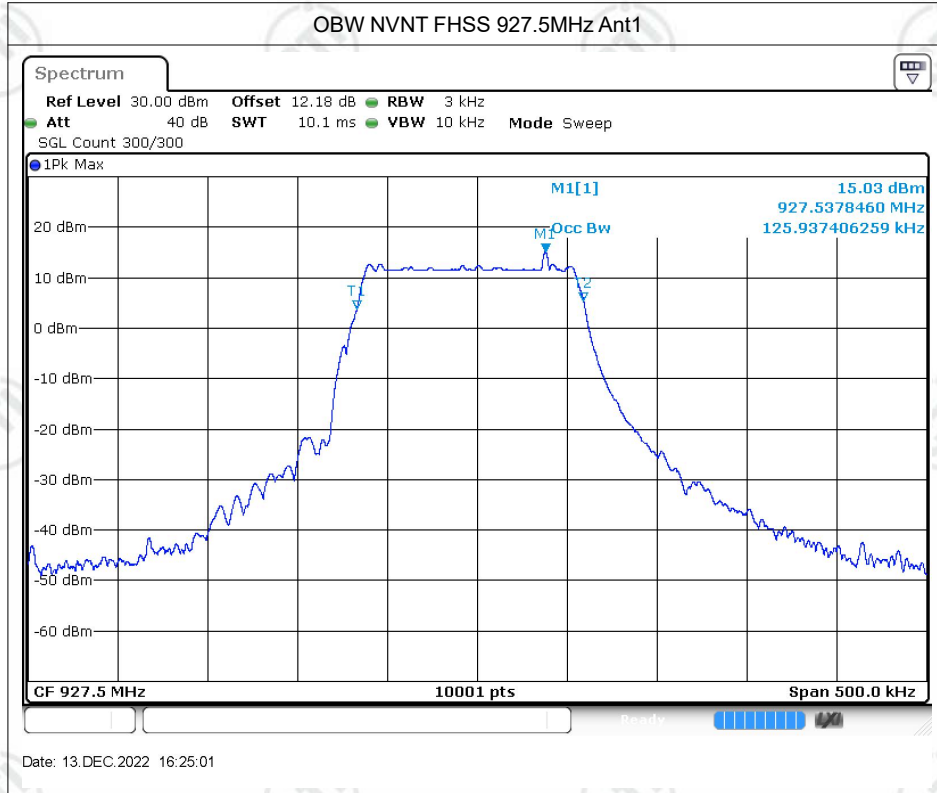




Occupied Channel Bandwidth

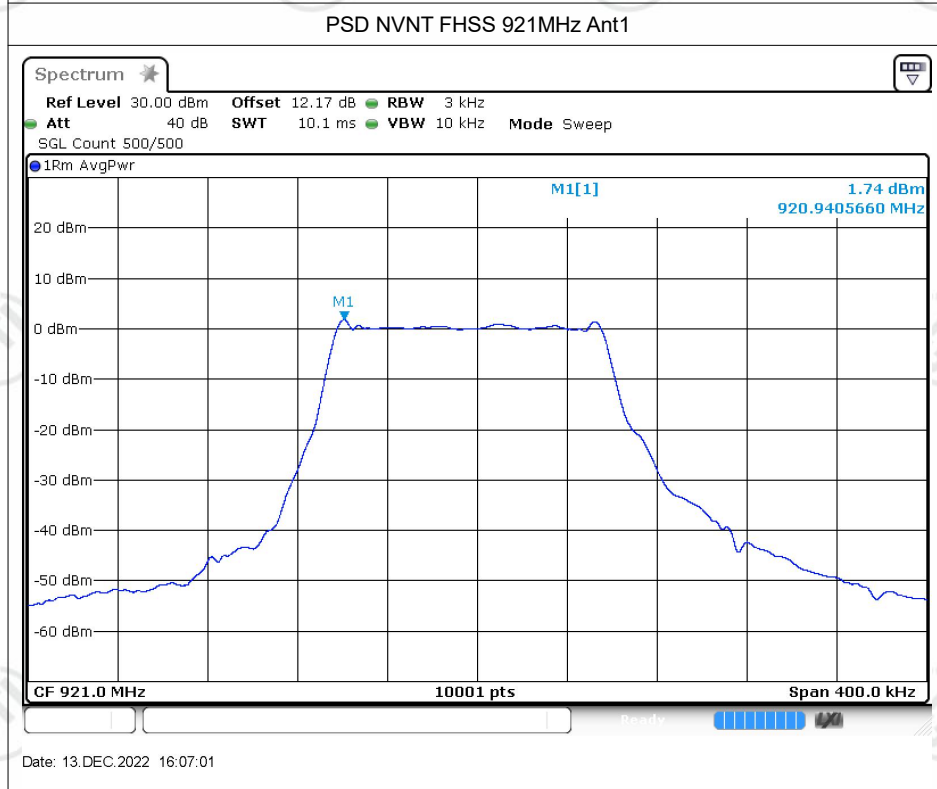
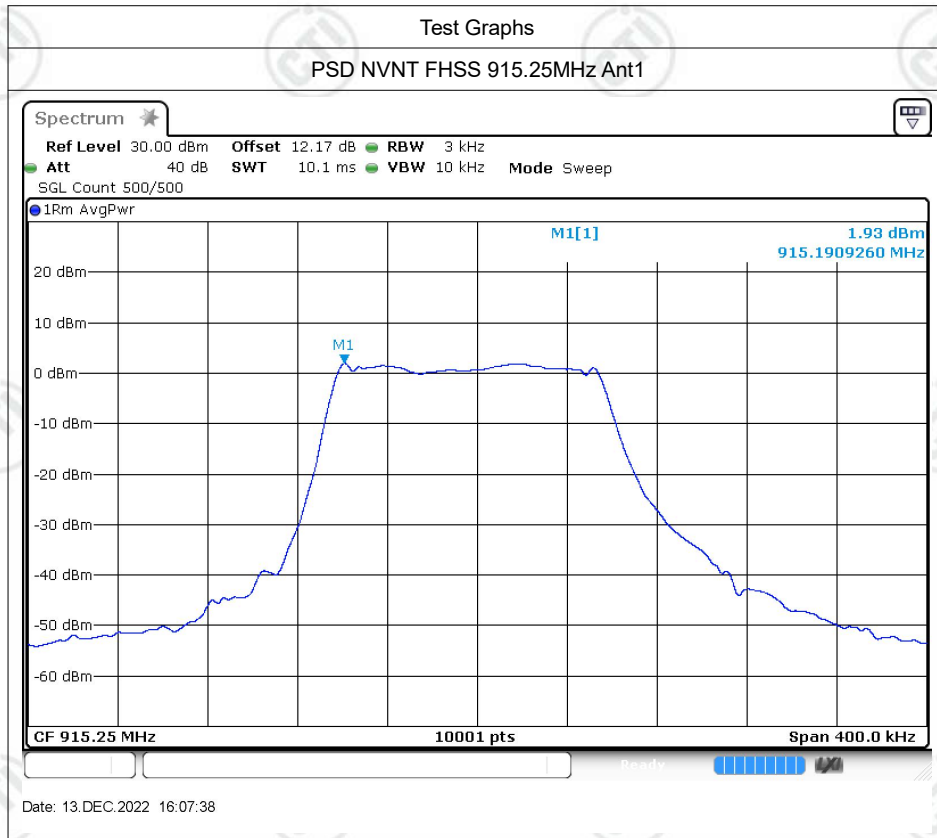
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	FHSS	915.25	Ant1	0.125
NVNT	FHSS	921	Ant1	0.126
NVNT	FHSS	927.5	Ant1	0.126

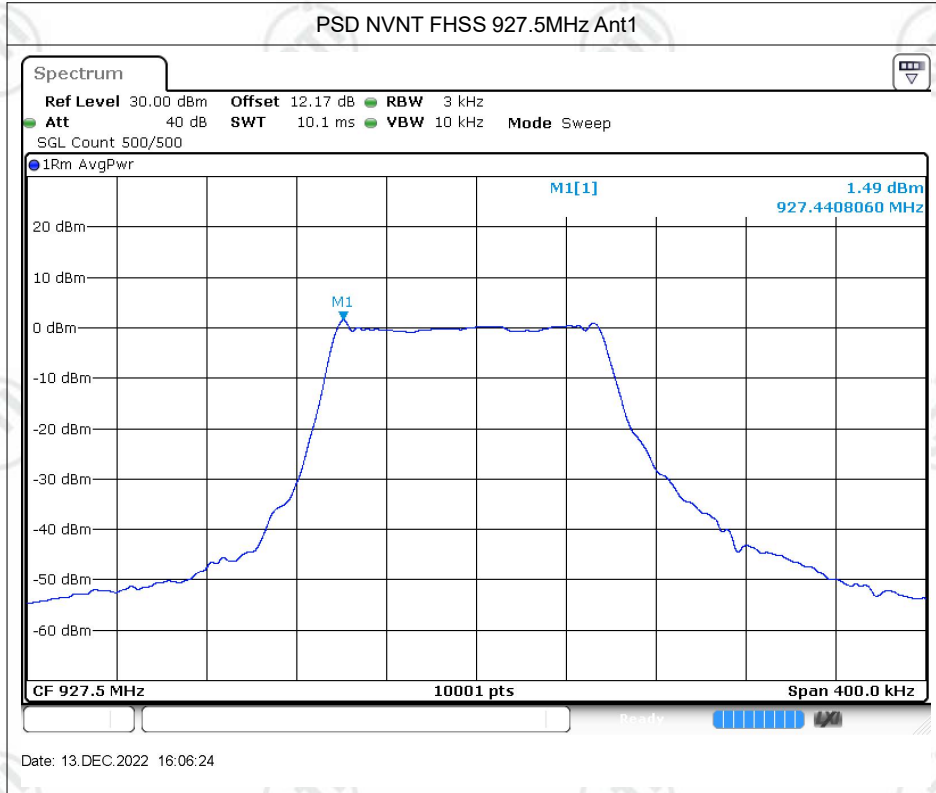




Maximum Power Spectral Density Level

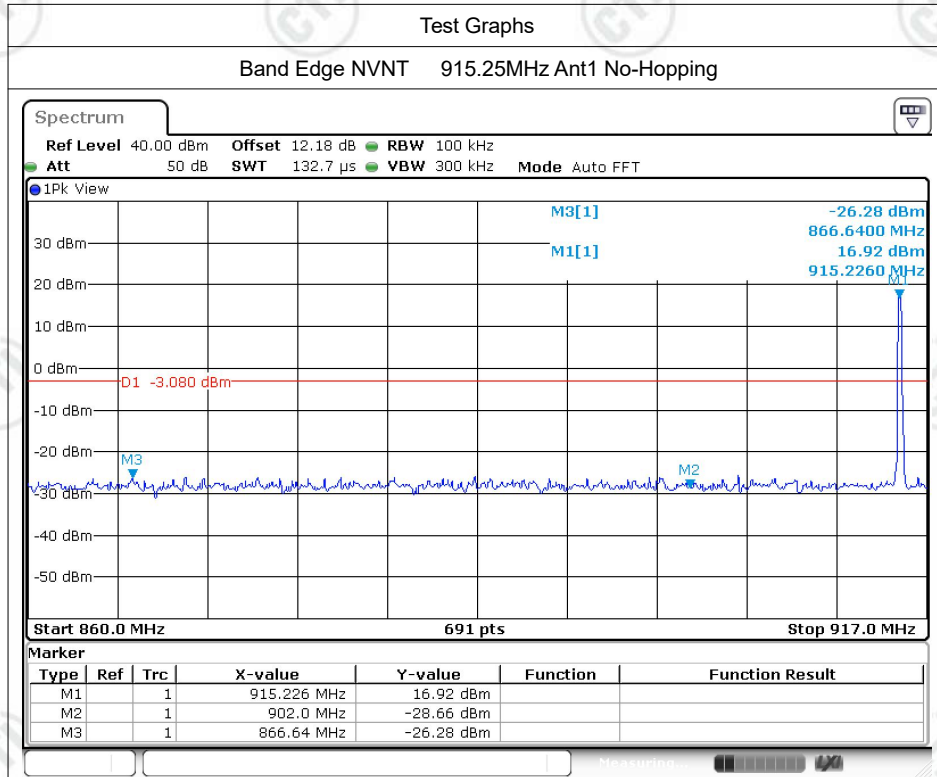
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	FHSS	915.25	Ant1	1.93	8	Pass
NVNT	FHSS	921	Ant1	1.74	8	Pass
NVNT	FHSS	927.5	Ant1	1.49	8	Pass



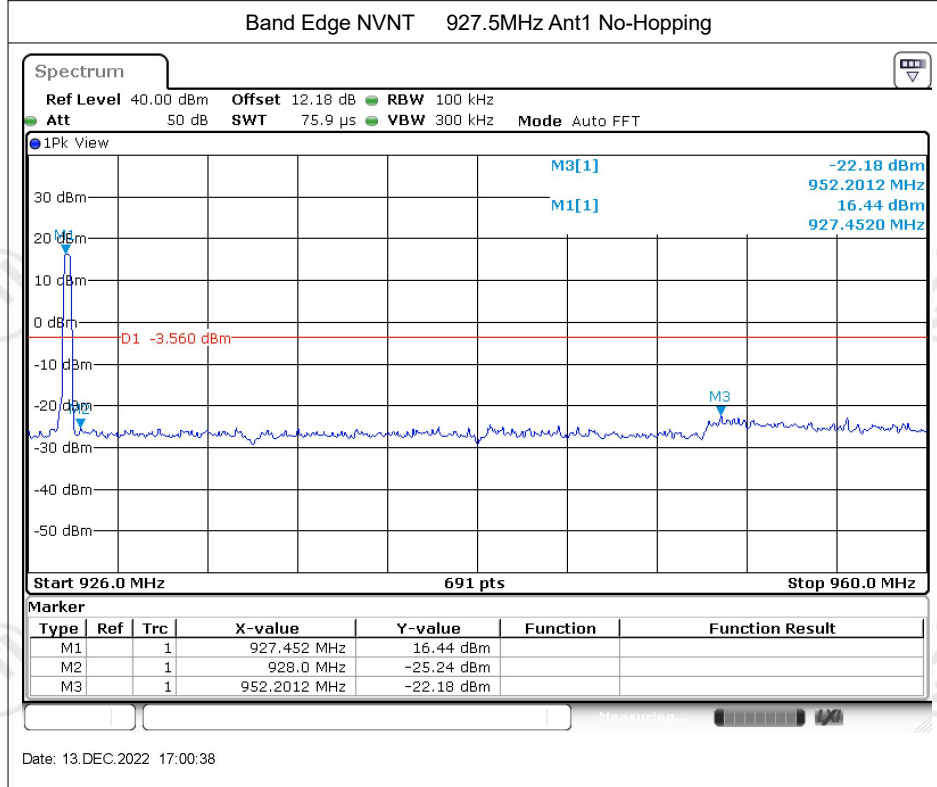


Band Edge

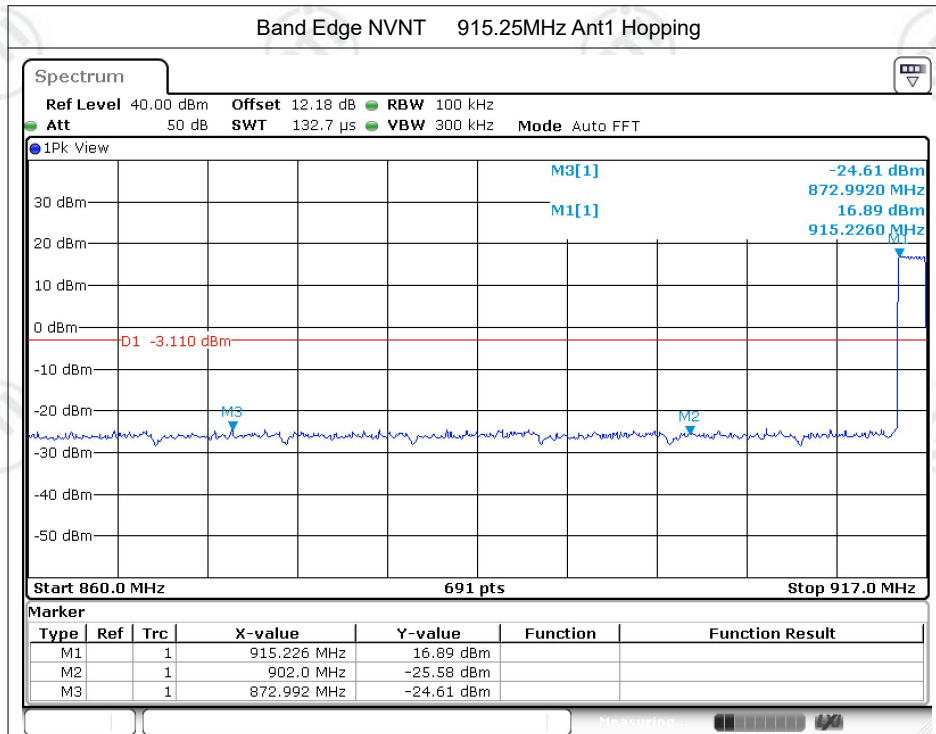
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	FHSS	915.25	Ant1	No-Hopping	-28.66	-3.08	Pass
NVNT	FHSS	927.5	Ant1	No-Hopping	-25.24	-3.56	Pass
NVNT	FHSS	915.25_HOP	Ant1	Hopping	-25.58	-3.11	Pass
NVNT	FHSS	927.5_HOP	Ant1	Hopping	-24.36	-3.4	Pass



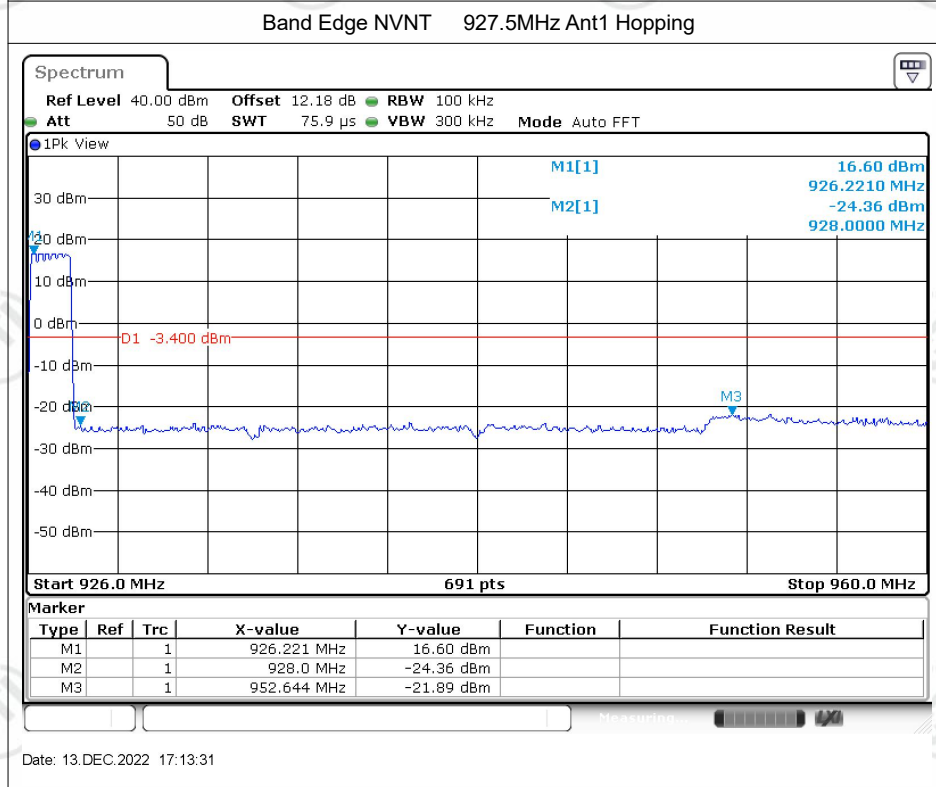
Date: 13.DEC.2022 17:17:04



Date: 13.DEC.2022 17:00:38



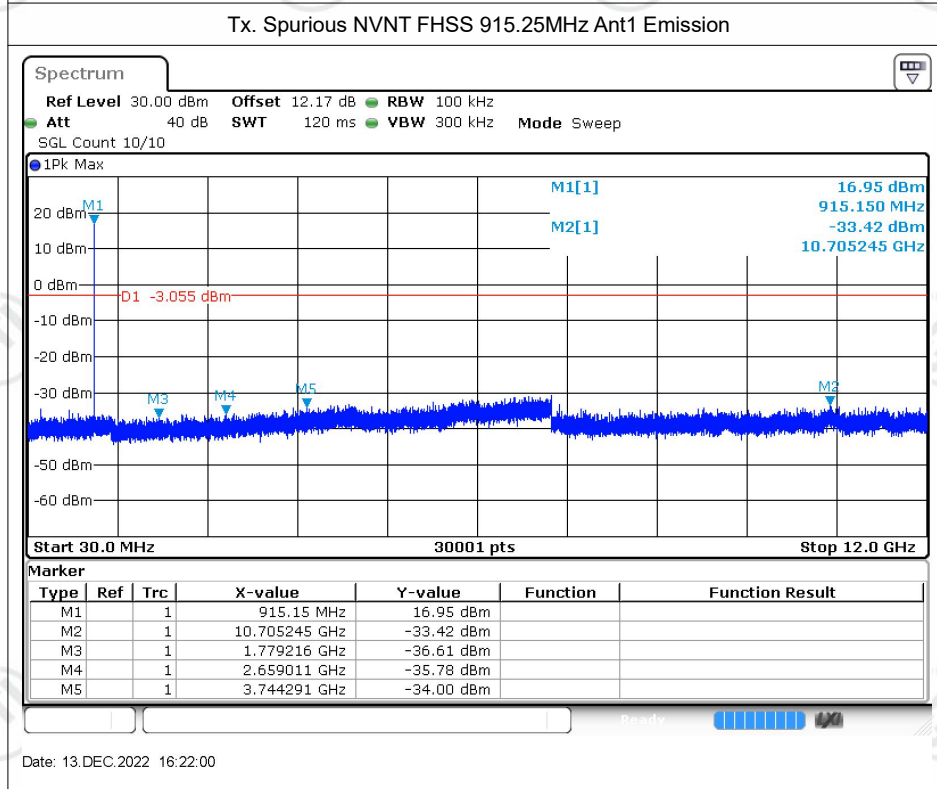
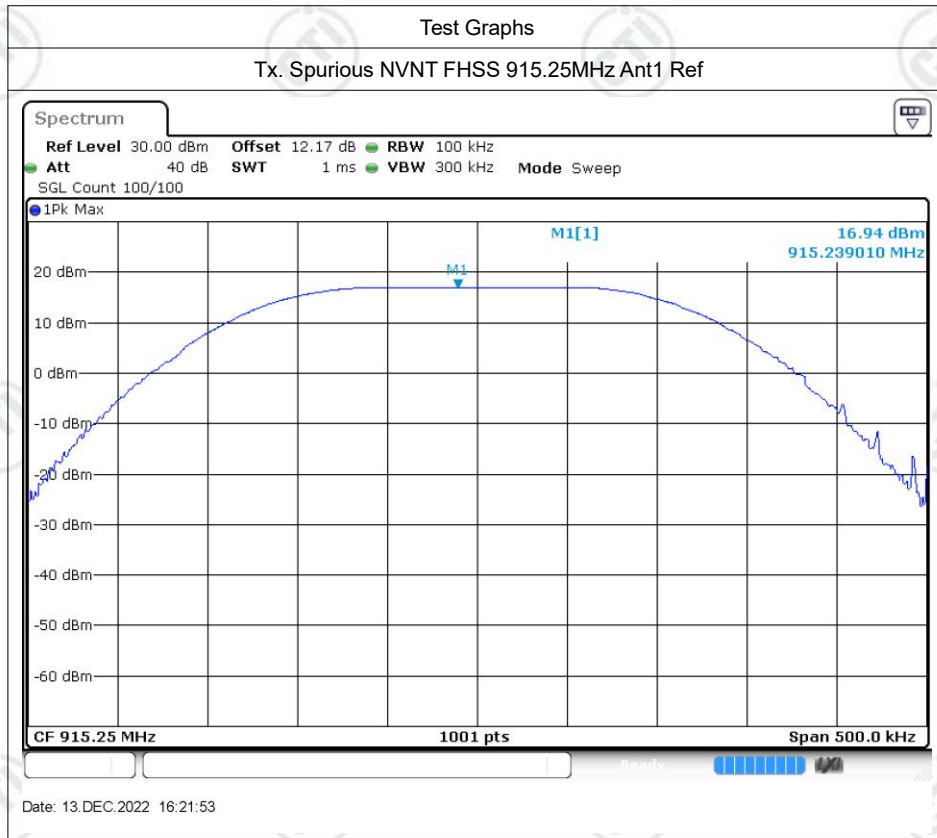
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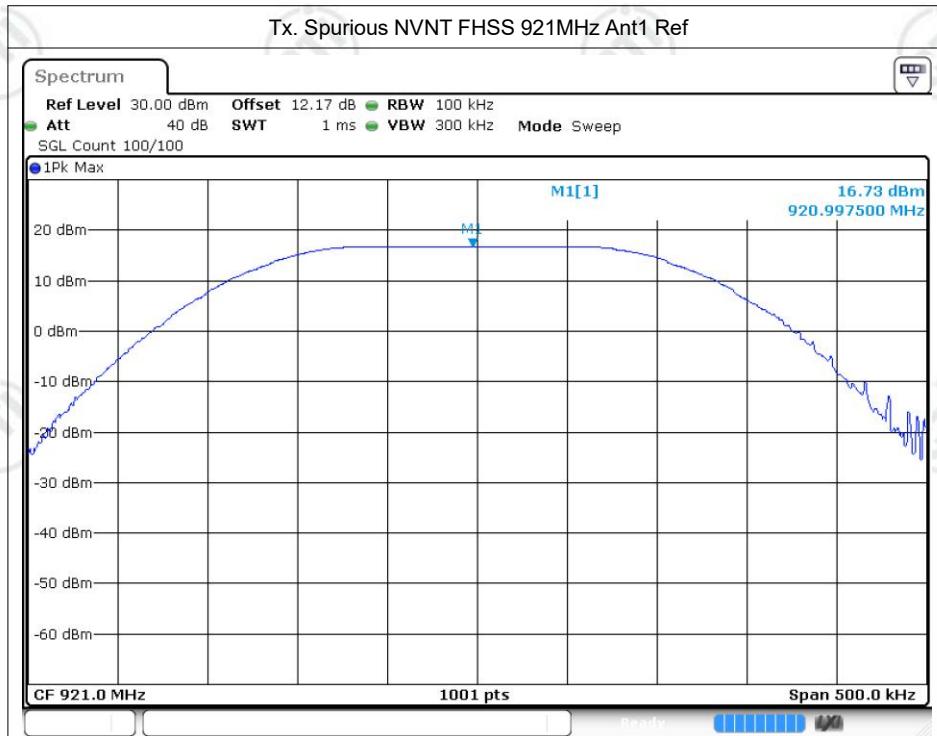


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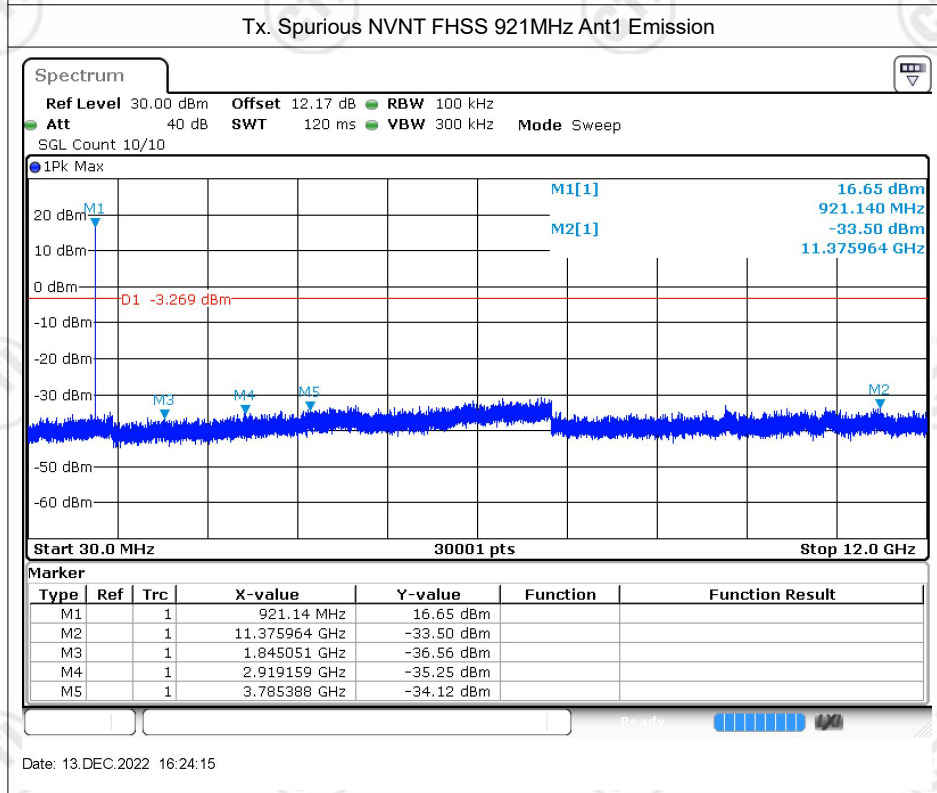
Conducted RF Spurious Emission

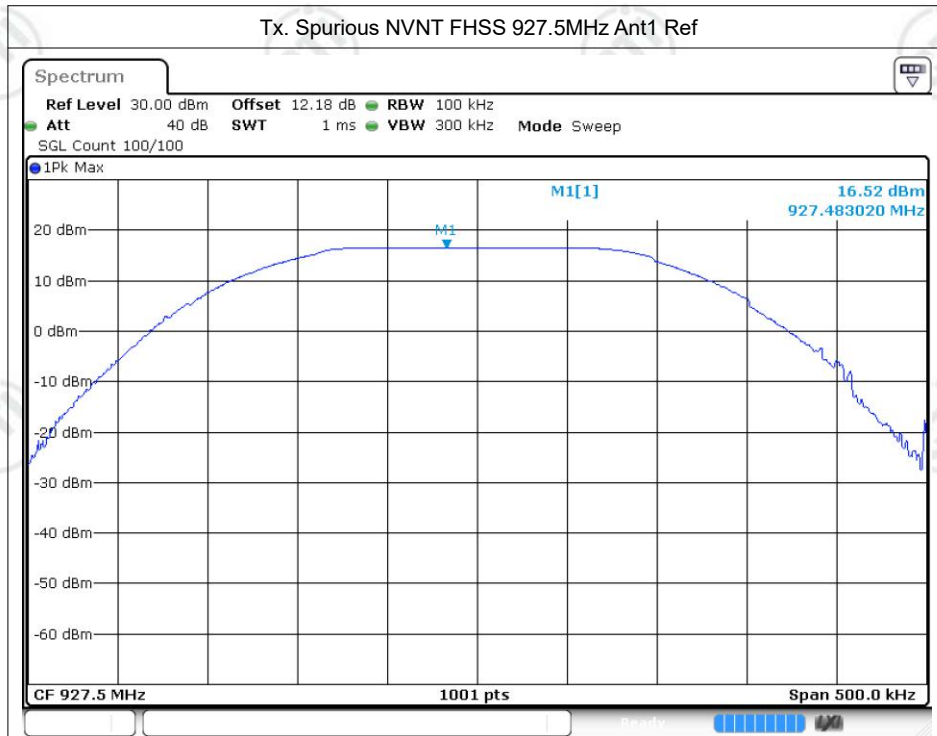
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	FHSS	915.25	Ant1	-33.42	-3.055	Pass
NVNT	FHSS	921	Ant1	-33.5	-3.269	Pass
NVNT	FHSS	927.5	Ant1	-33.45	-3.484	Pass



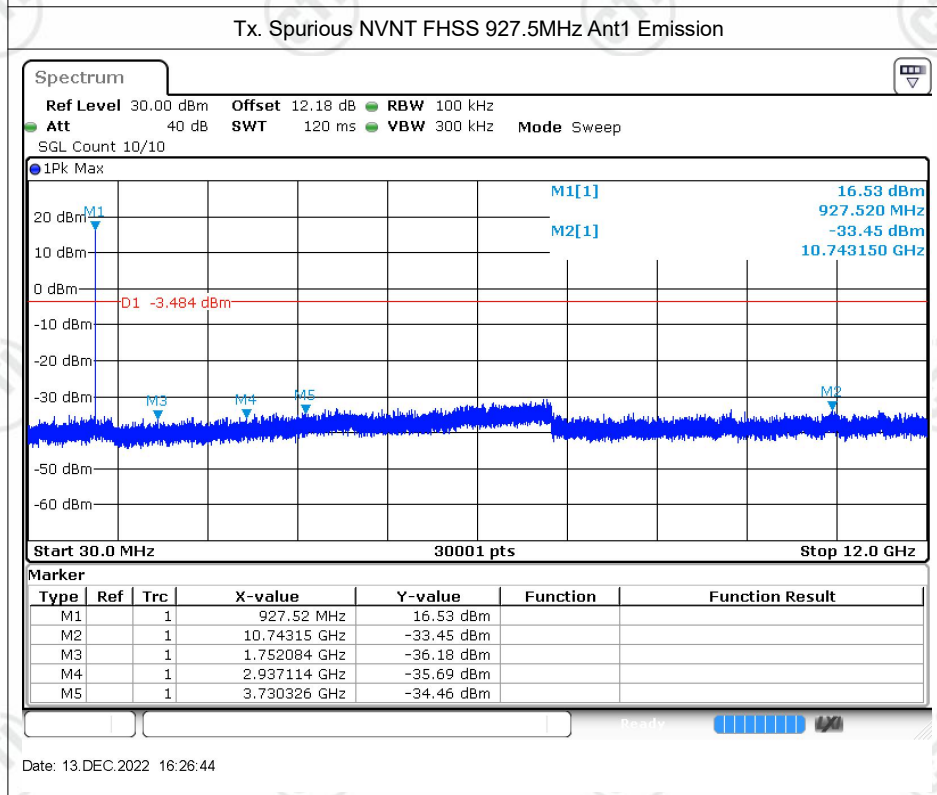


Date: 13. DEC. 2022 16:24:09



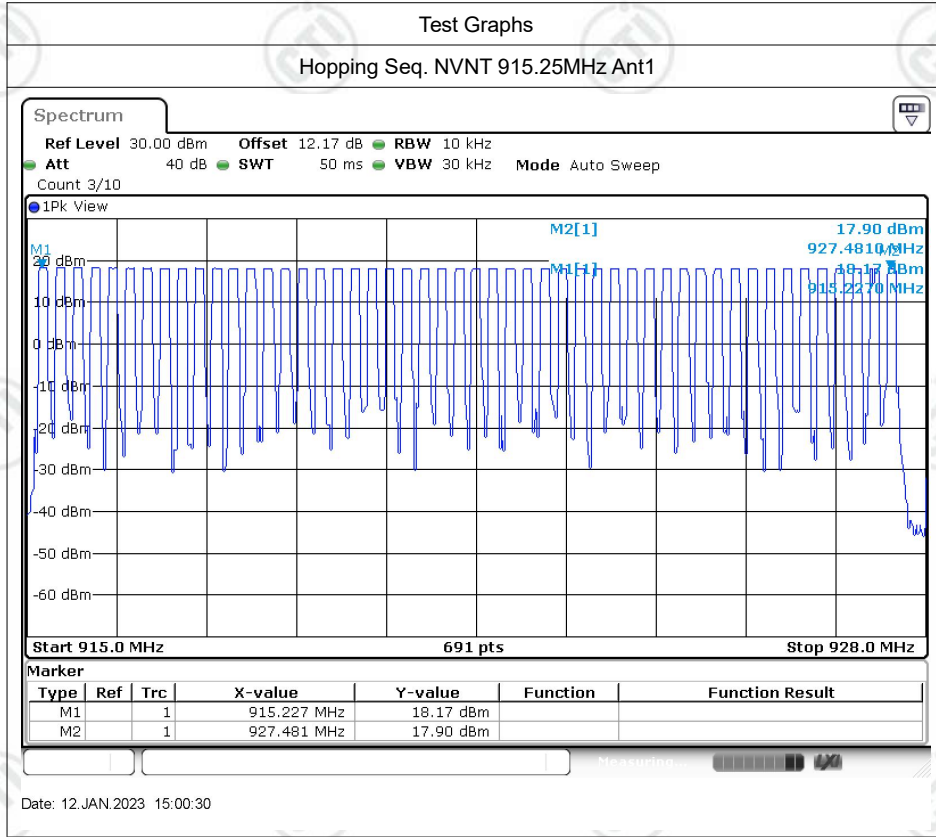


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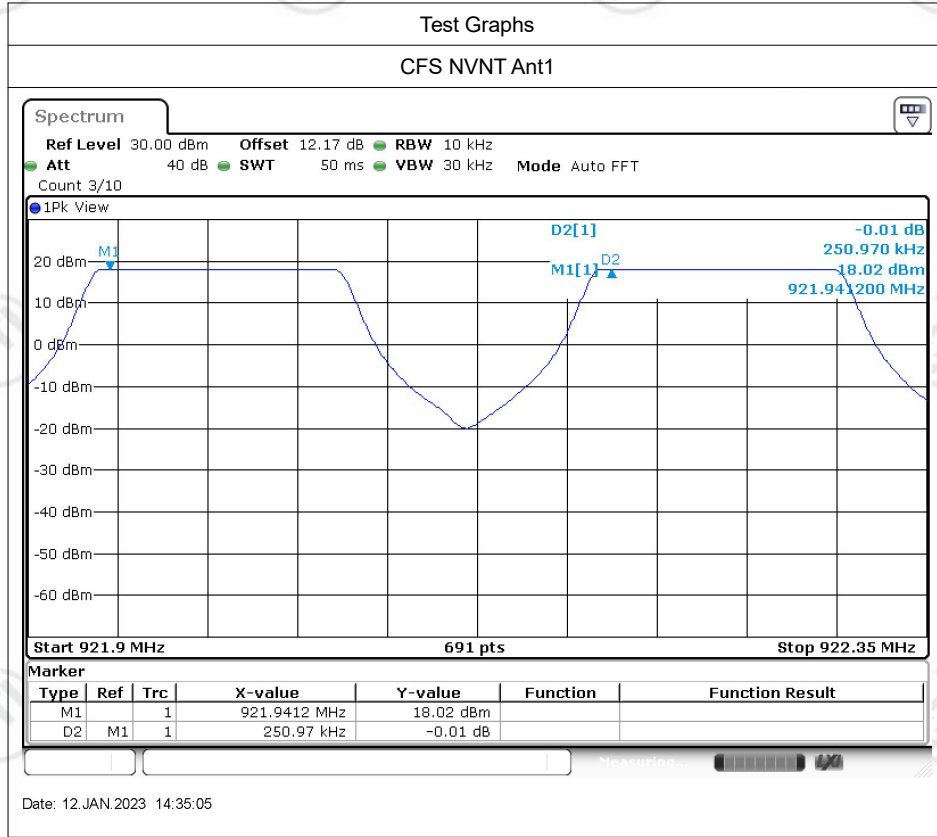
Hopping Sequence

Condition	Mode	Antenna	Hopping Number	Limit	Band Allocation (%)	Limit Band Allocation (%)	Verdict
NVNT	FHSS	Ant1	50	15	100	70	Pass



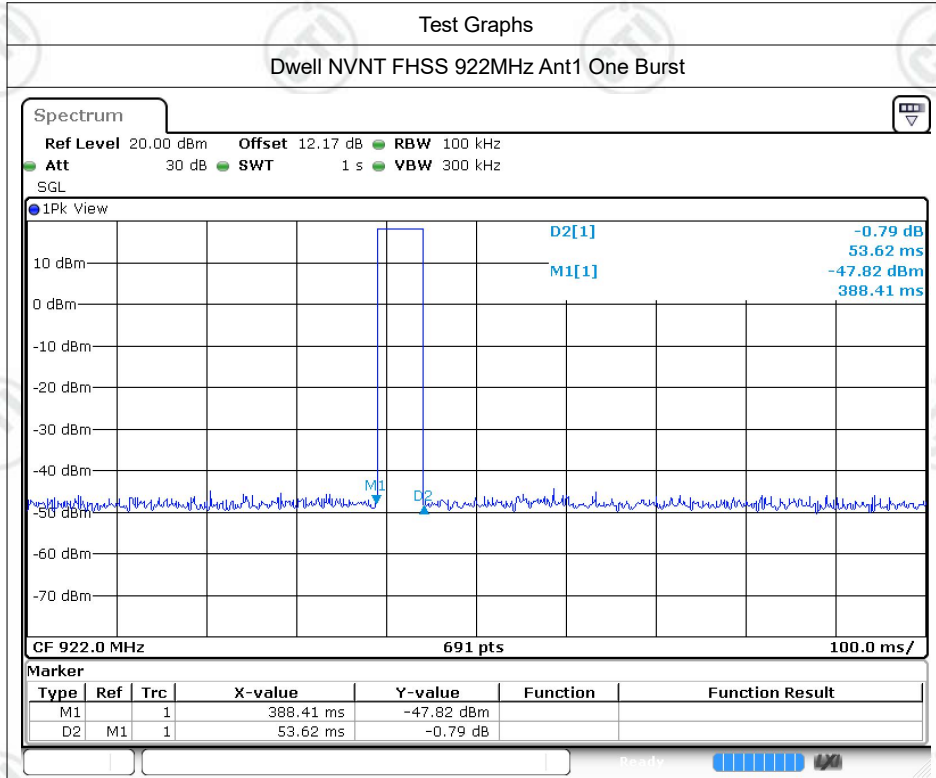
Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	FHSS	Ant1	921.941	922.192	0.251	0.14	Pass

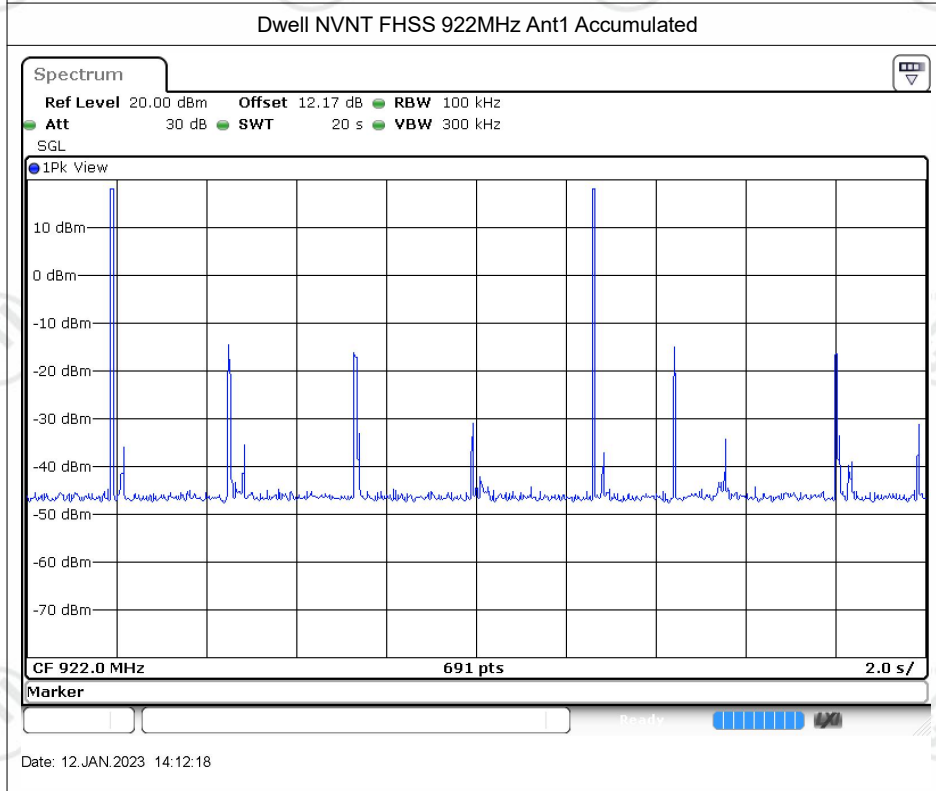


Dwell Time

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	FHSS	922	Ant1	53.62	107.24	2	20000	400	Pass



Date: 12. JAN.2023 14:11:24



Date: 12. JAN.2023 14:12:18

END OF REPORT