

Appendix:LORA FHSS

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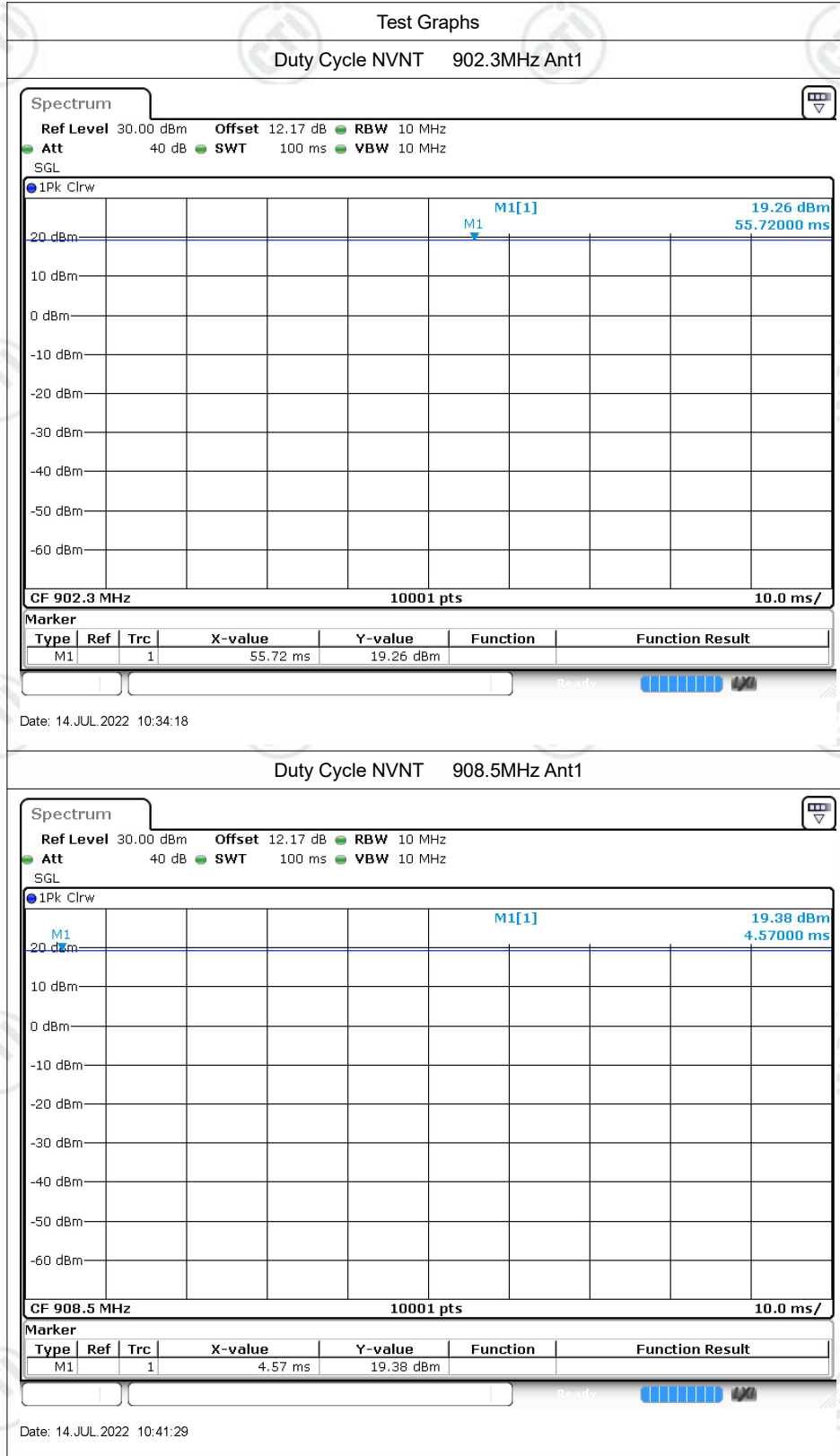
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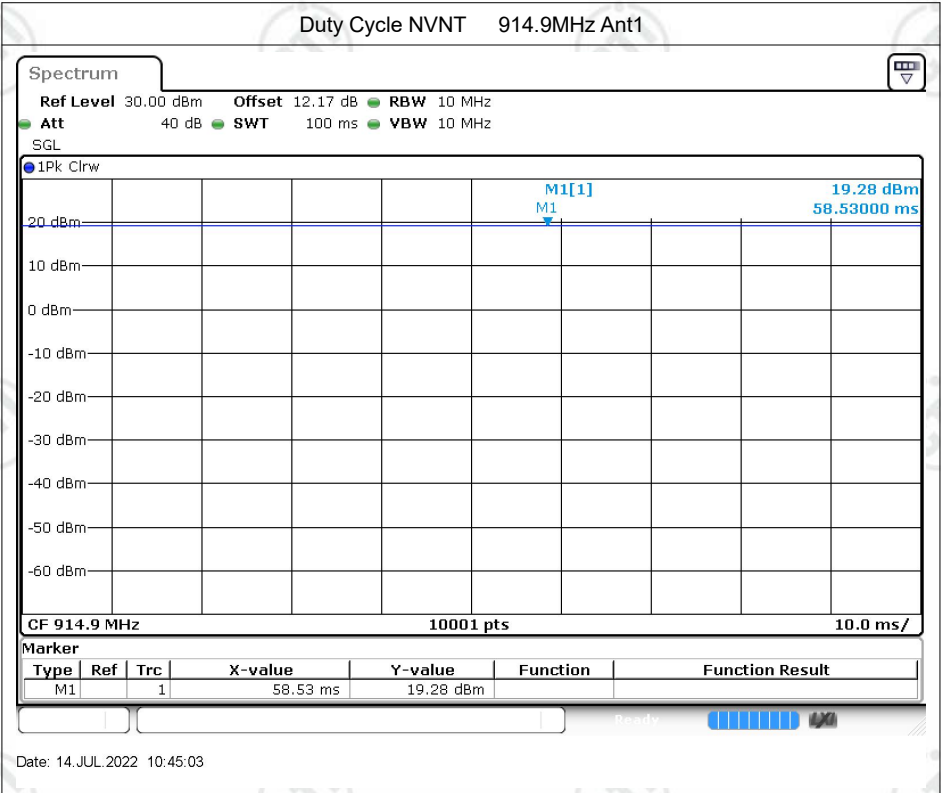
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Duty Cycle

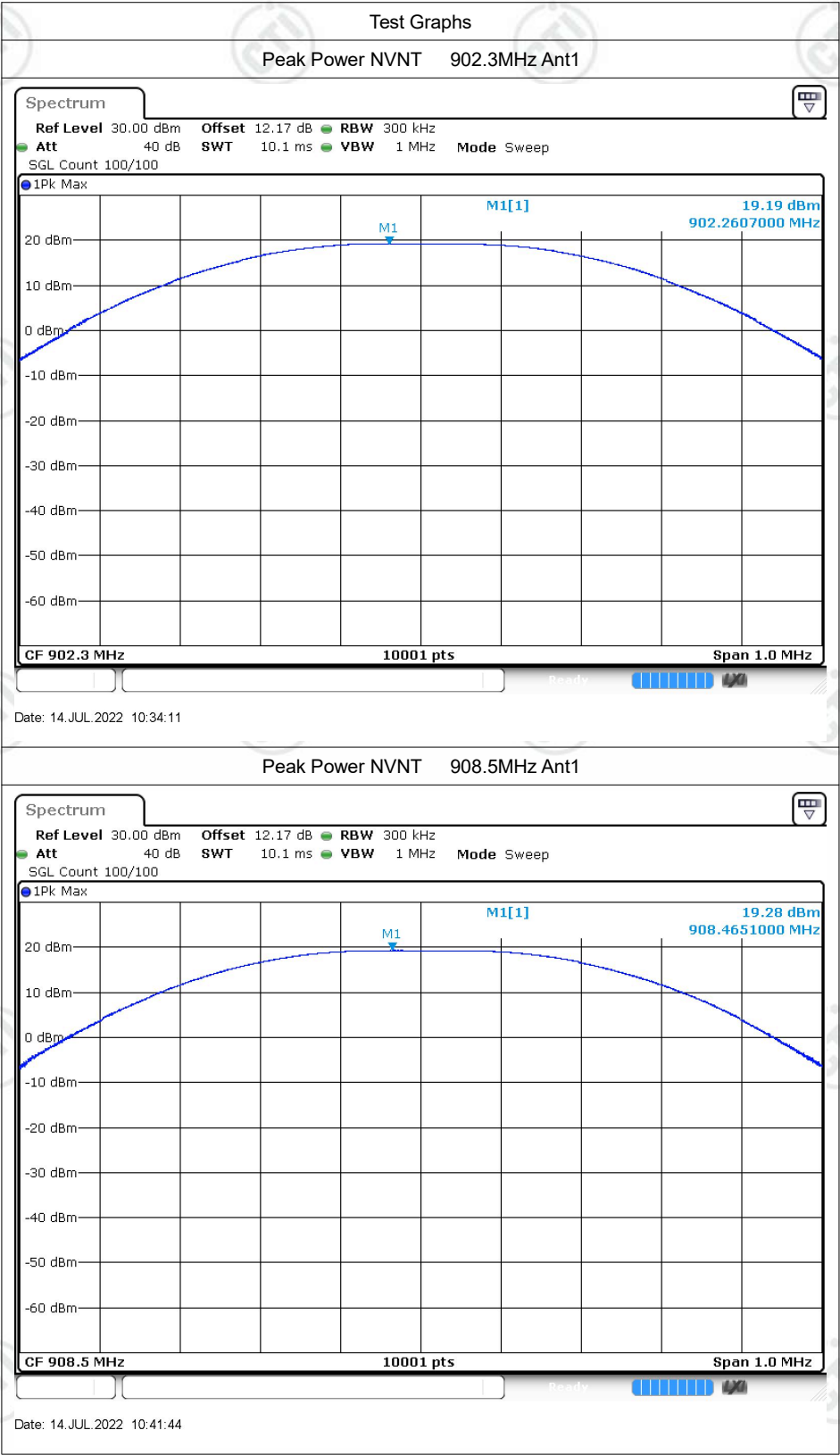
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	FHSS	902.3	Ant1	100	0	0
NVNT	FHSS	908.5	Ant1	100	0	0
NVNT	FHSS	914.9	Ant1	100	0	0

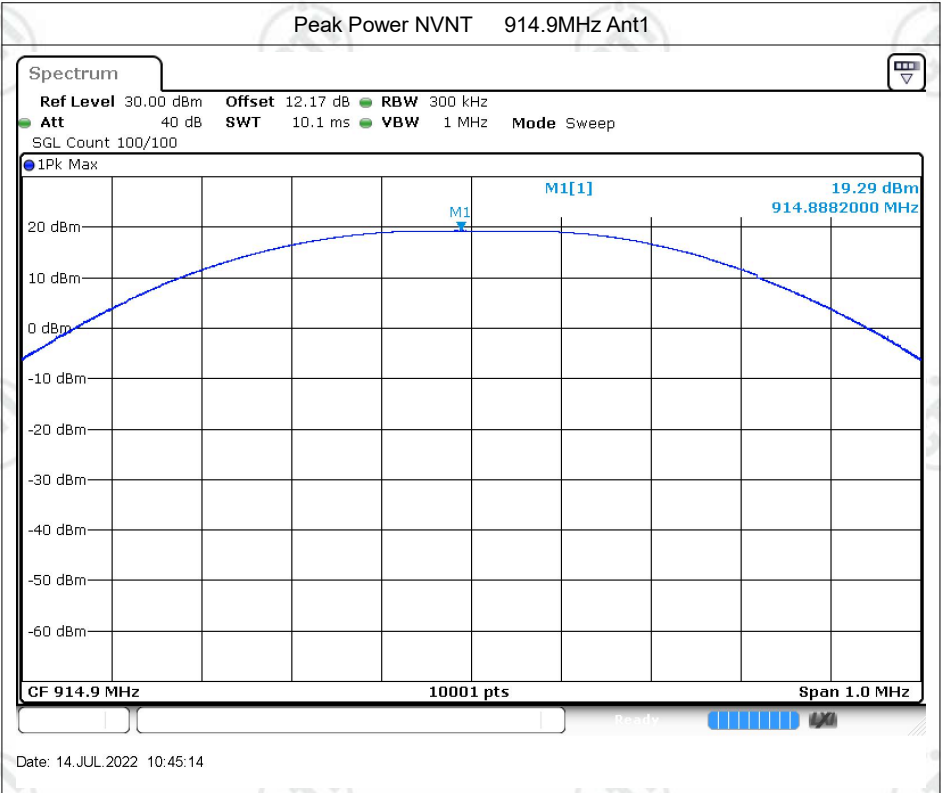




Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	FHSS	902.3	Ant1	19.19	0	19.19	30	Pass
NVNT	FHSS	908.5	Ant1	19.28	0	19.28	30	Pass
NVNT	FHSS	914.9	Ant1	19.29	0	19.29	30	Pass

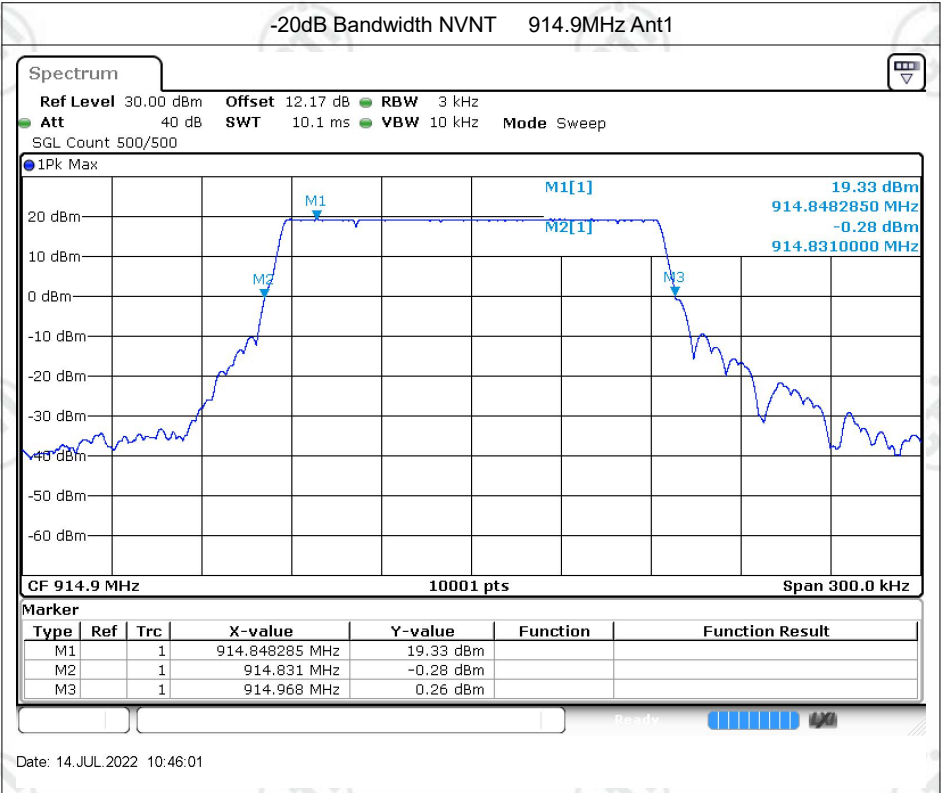




-20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	FHSS	902.3	Ant1	0.137	---	Pass
NVNT	FHSS	908.5	Ant1	0.138	---	Pass
NVNT	FHSS	914.9	Ant1	0.137	---	Pass

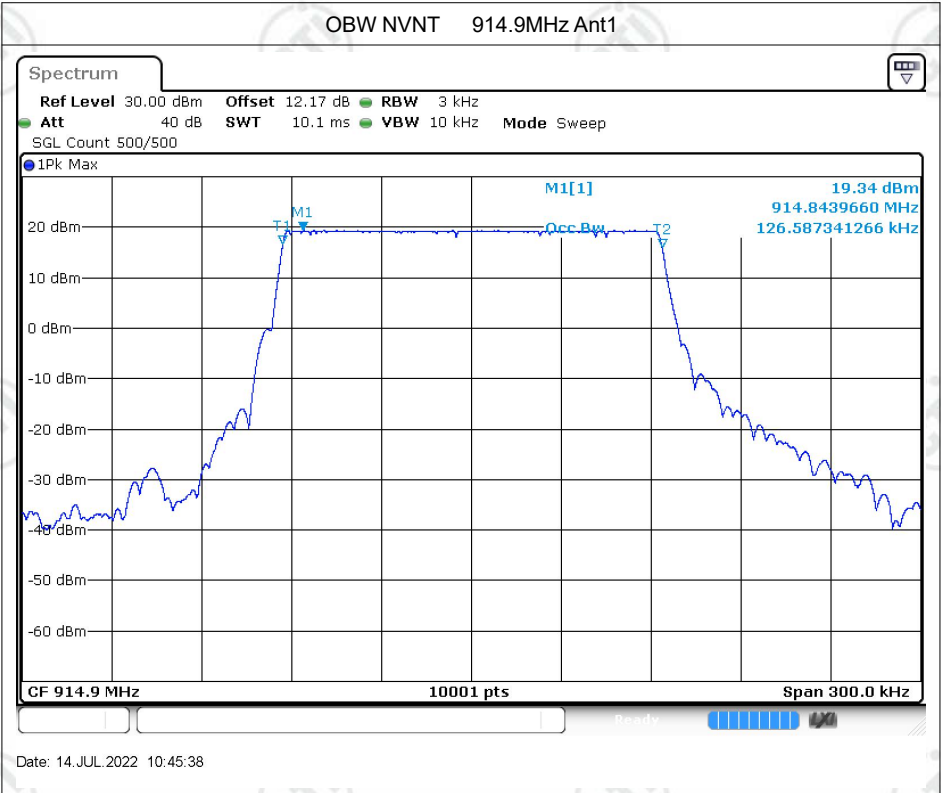




Occupied Channel Bandwidth

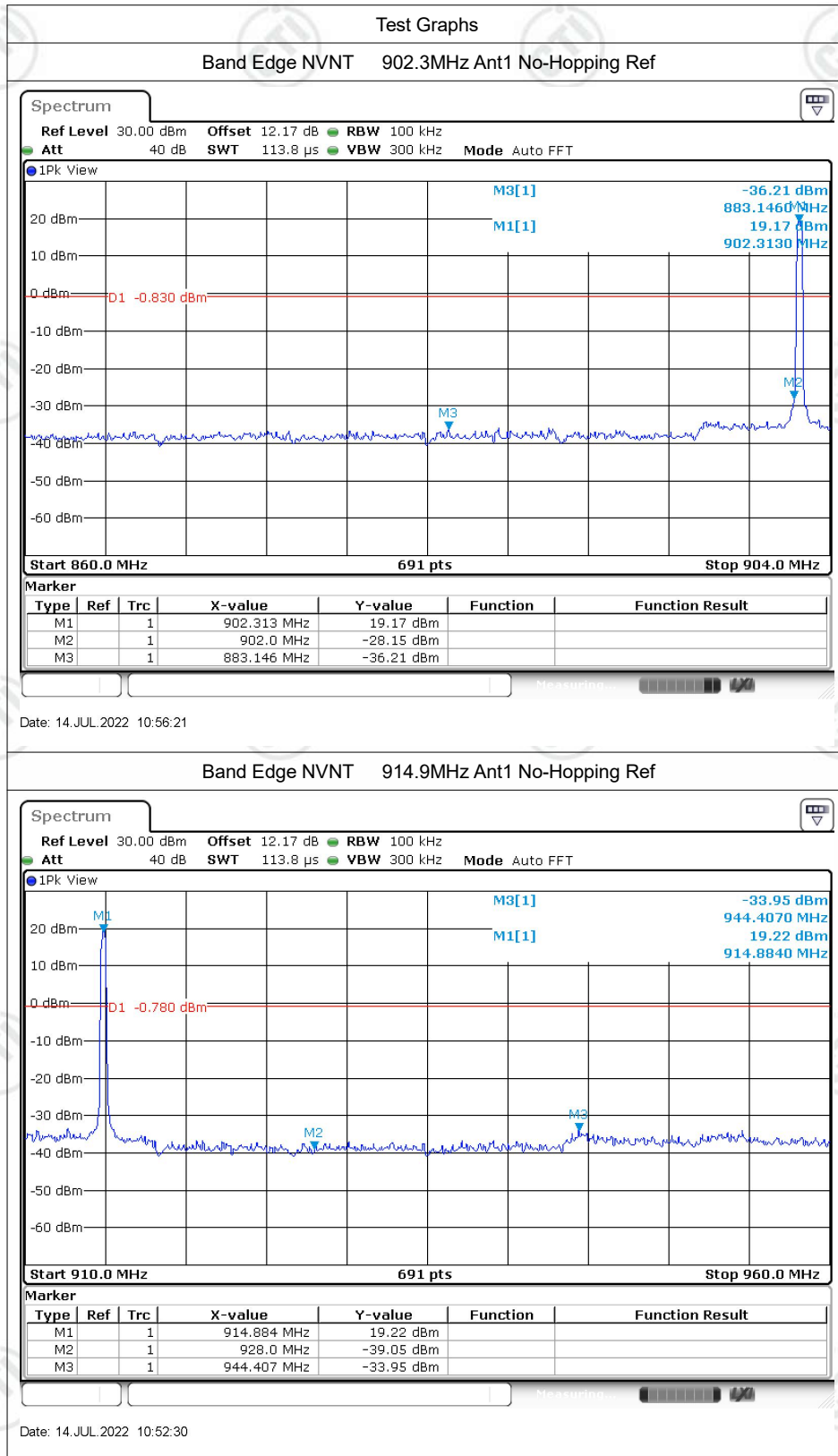
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	FHSS	902.3	Ant1	0.127
NVNT	FHSS	908.5	Ant1	0.127
NVNT	FHSS	914.9	Ant1	0.127

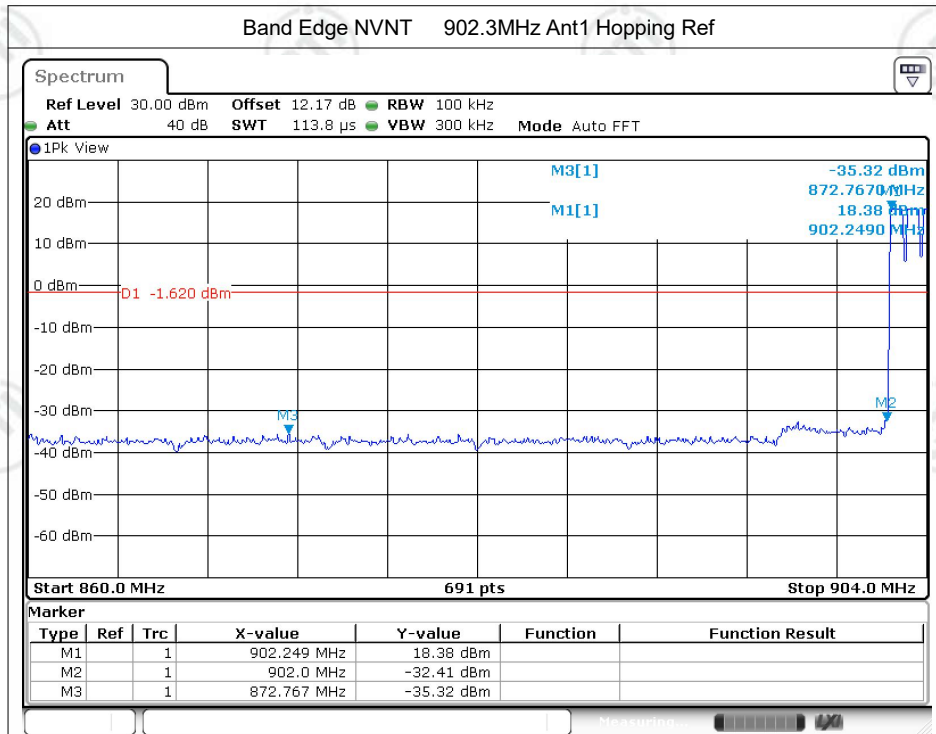




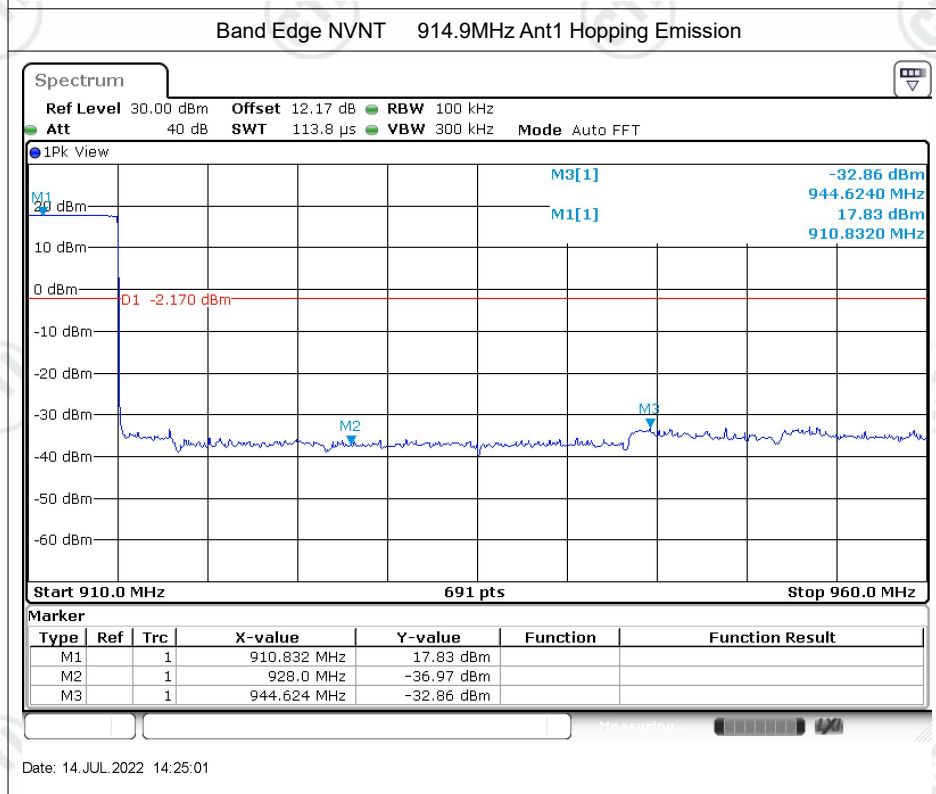
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	FHSS	902.3	Ant1	No-Hopping	-28.15	-0.83	Pass
NVNT	FHSS	914.9	Ant1	No-Hopping	-39.05	-0.78	Pass
NVNT	FHSS	902.3_Hop	Ant1	Hopping	-32.41	-1.62	Pass
NVNT	FHSS	914.9_Hop	Ant1	Hopping	-36.97	-2.17	Pass





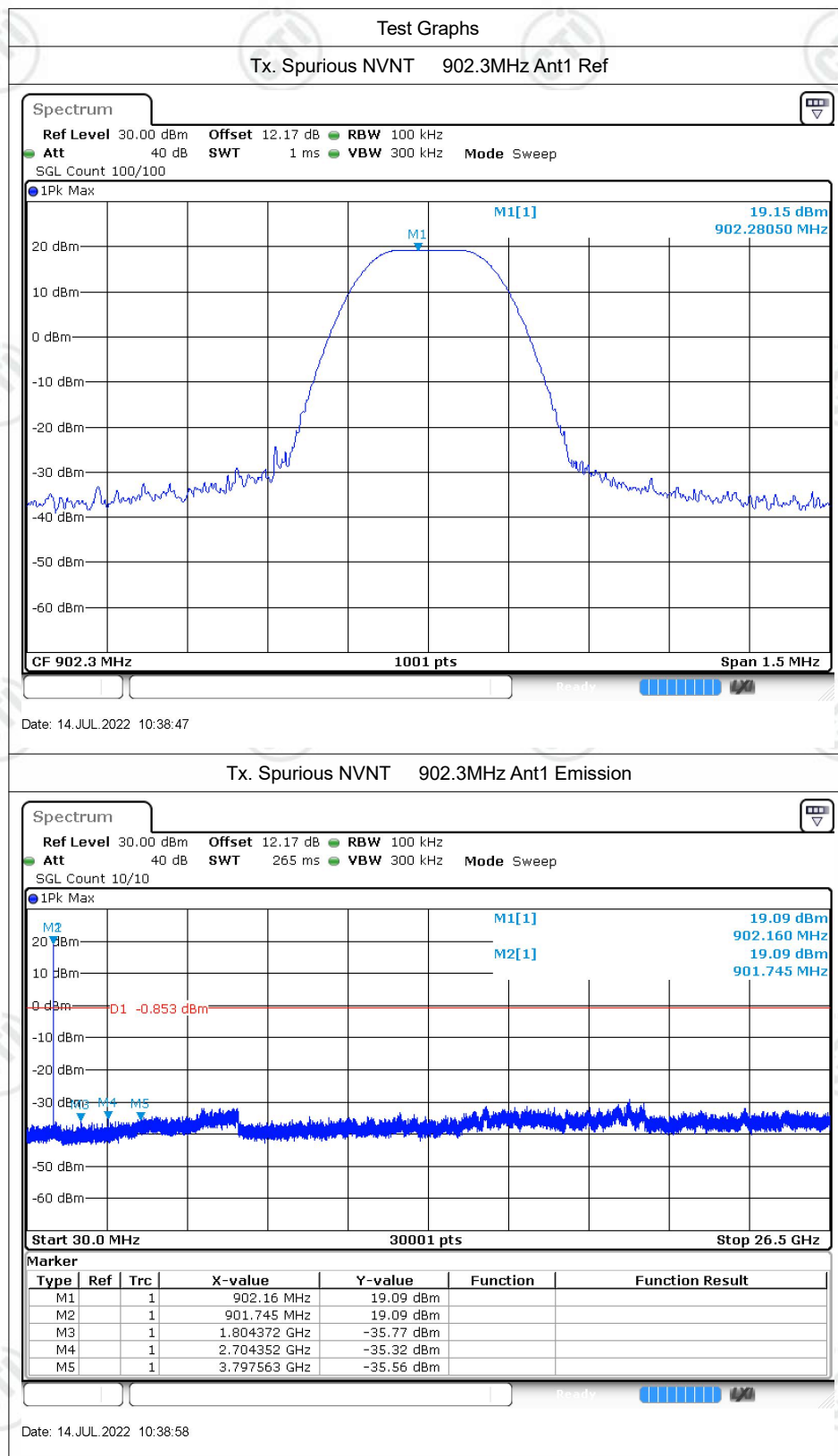
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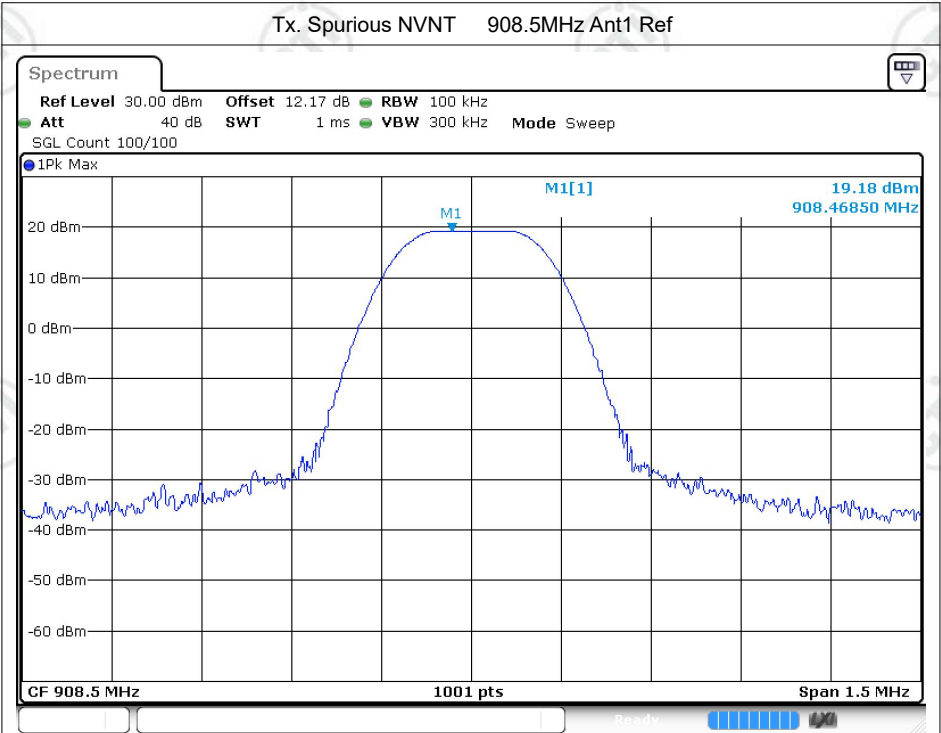


Date: 14.JUL.2022 14:25:01

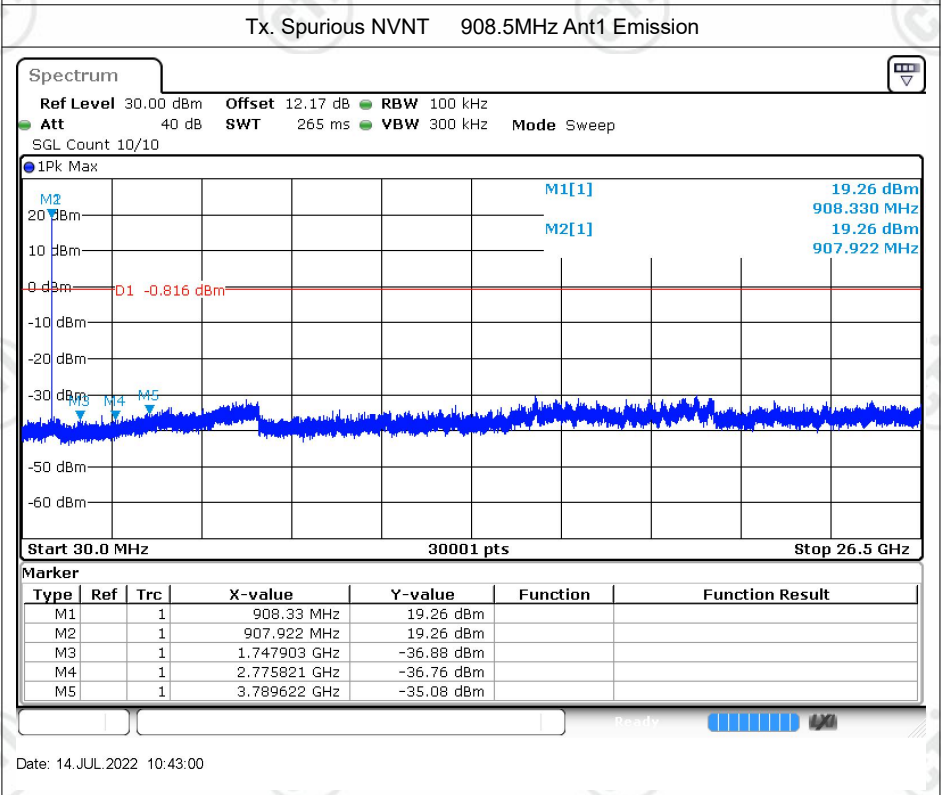
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Limit (dBm)	Verdict
NVNT	FHSS	902.3	Ant1	-0.06	Pass
NVNT	FHSS	908.5	Ant1	0.08	Pass
NVNT	FHSS	914.9	Ant1	0.06	Pass

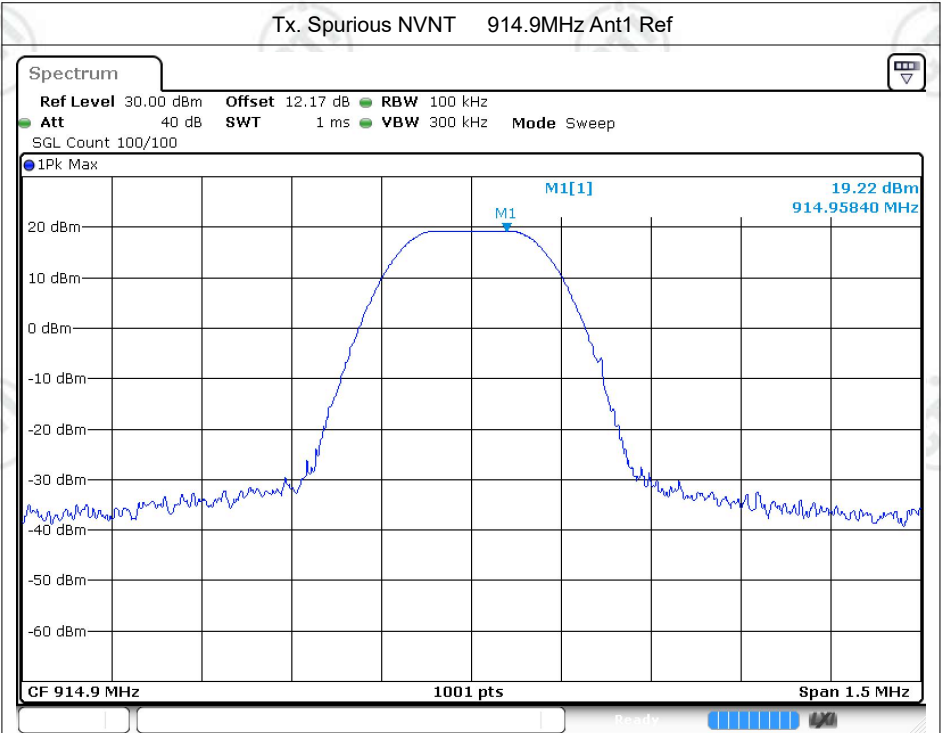




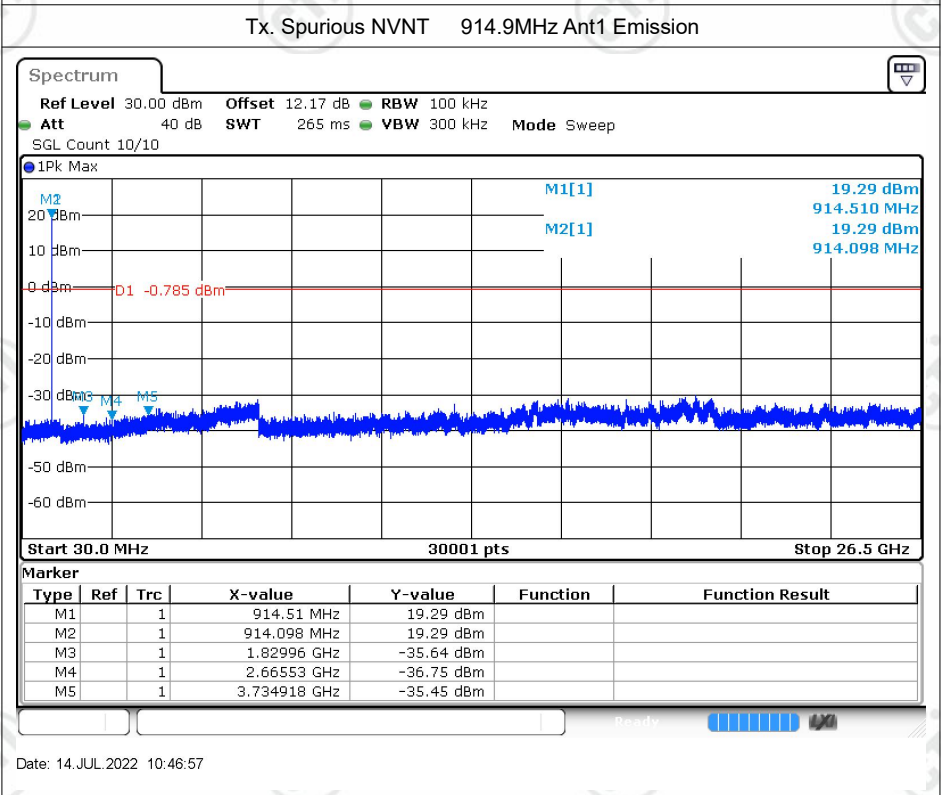
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Date: 14.JUL.2022 10:43:00



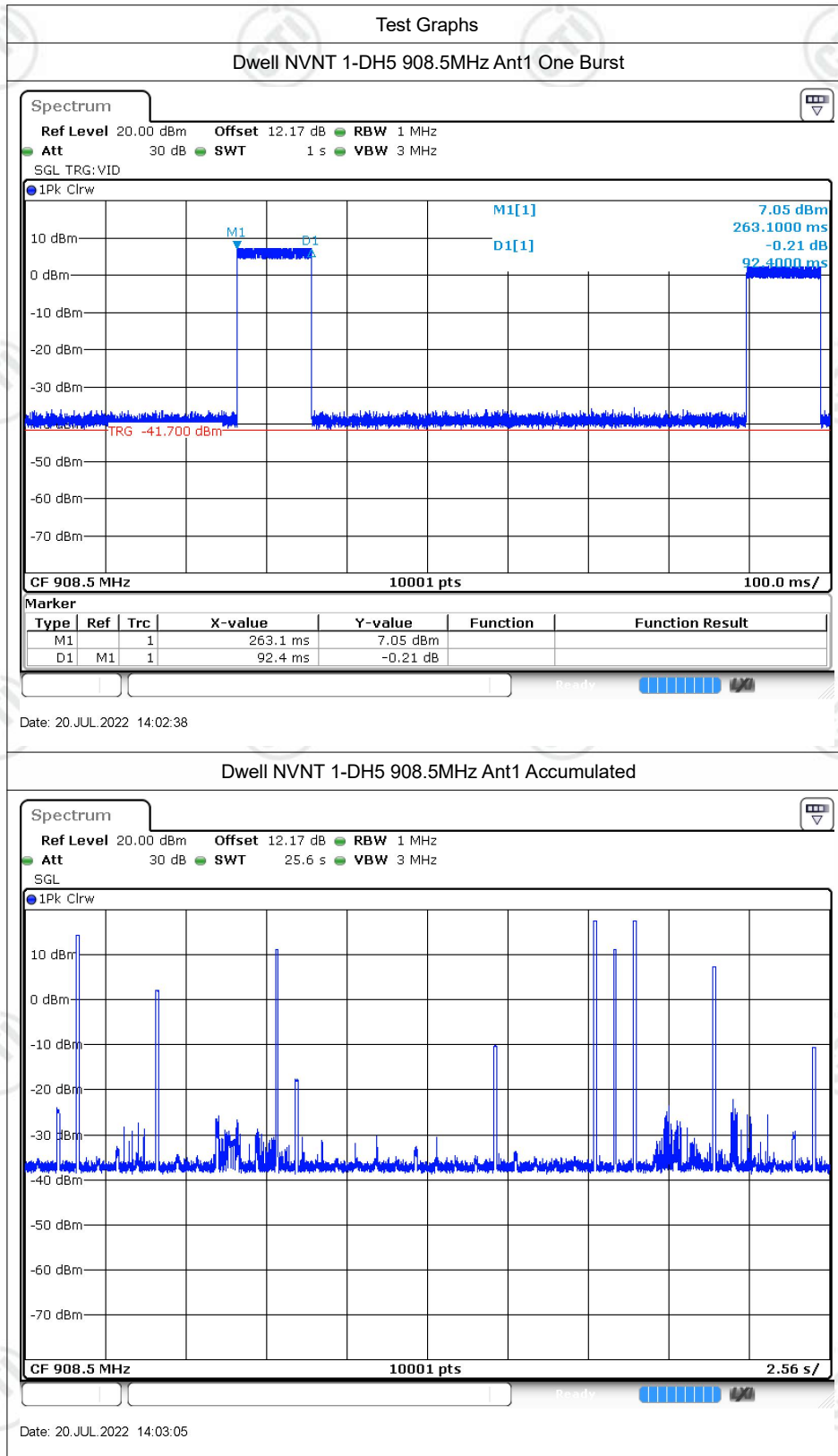
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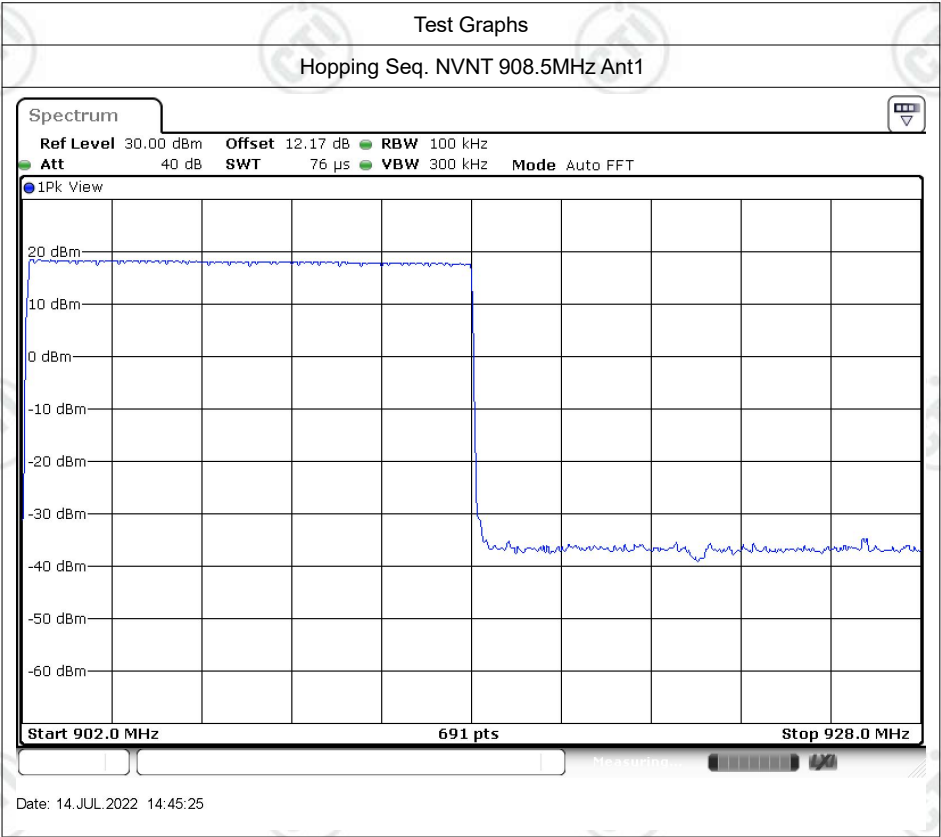
Dwell Time

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	FHSS	908.5	Ant1	92.4	277.2	3	25600	400	Pass



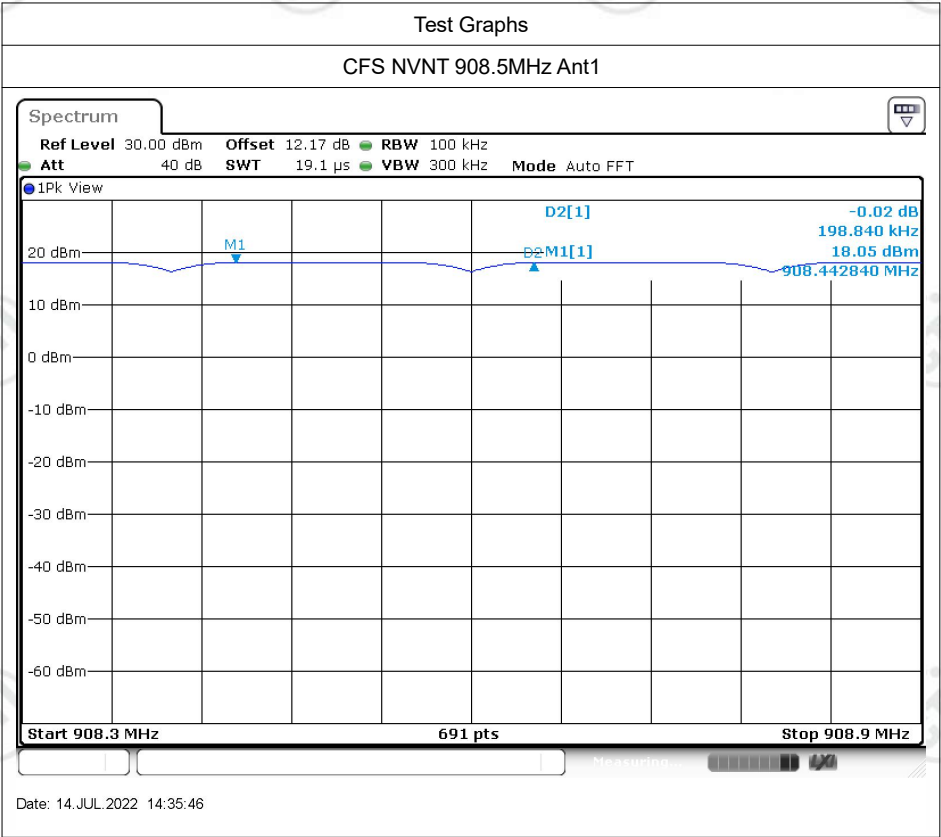
Hopping Sequence

Condition	Mode	Antenna	Hopping Number	Limit	Band Allocation (%)	Limit Band Allocation (%)	Verdict
NVNT	FHSS	Ant1	64	15	95.6	70	Pass



Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	FHSS	Ant1	908.442	908.640	0.198	0.092	Pass



*** End of Report ***