

Appendix: LoRa DTS

Contents

Contents 2

Maximum Power Spectral Density Level 3

Duty Cycle 6

Maximum Peak Conducted Output Power 9

Maximum Average Conducted Output Power 9

-6dB Bandwidth 13

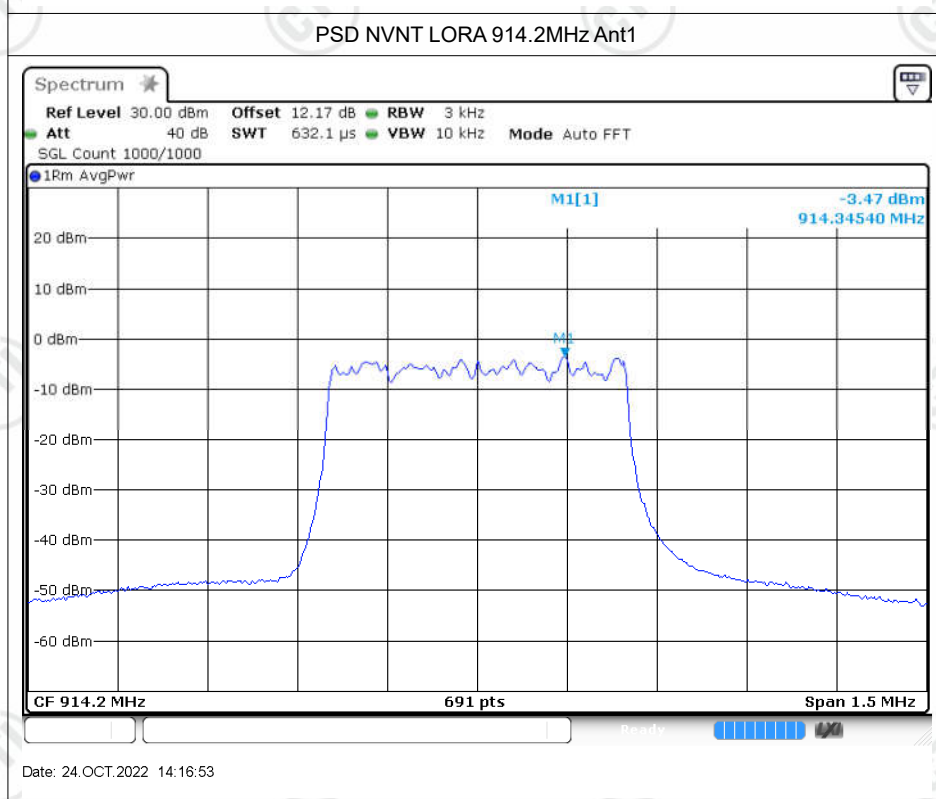
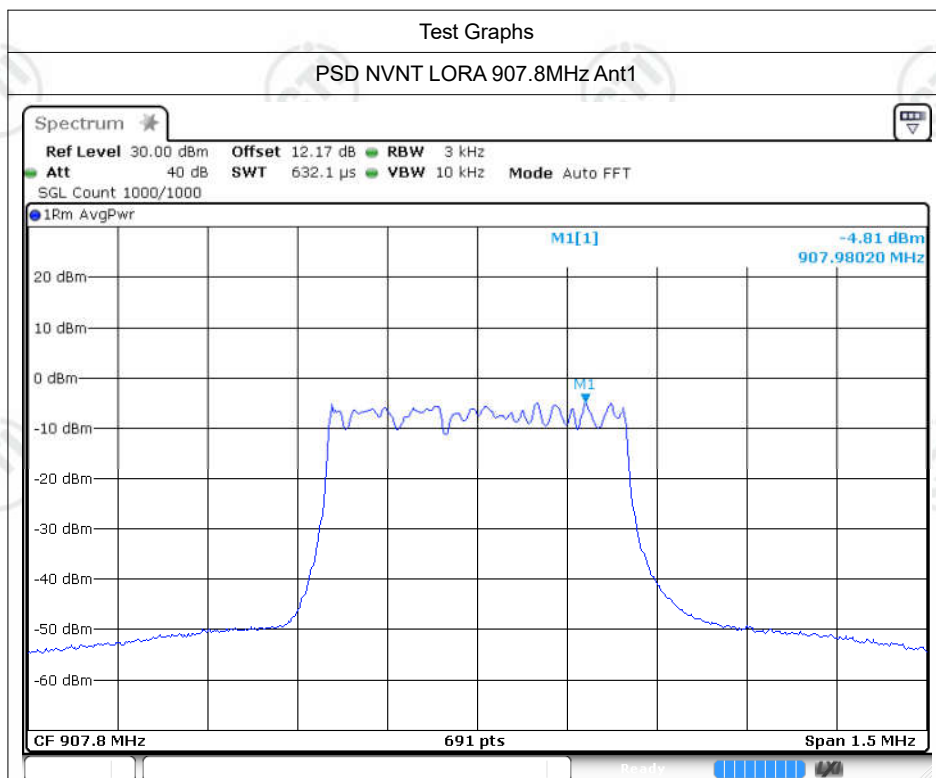
Occupied Channel Bandwidth 16

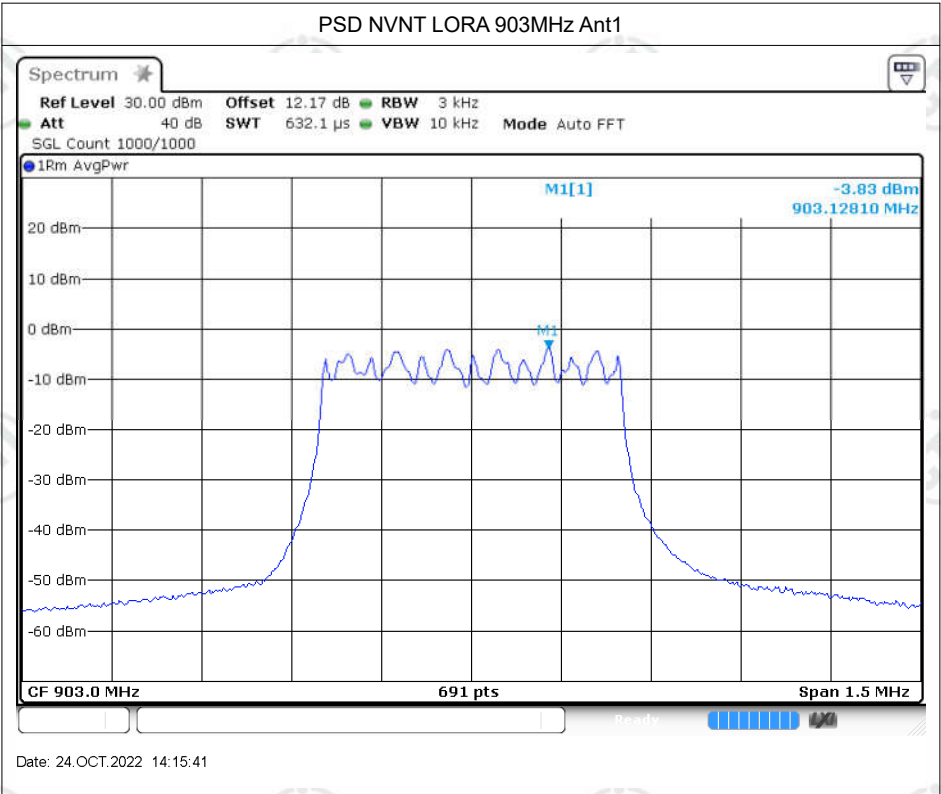
Band Edge 19

Conducted RF Spurious Emission 22

Maximum Power Spectral Density Level

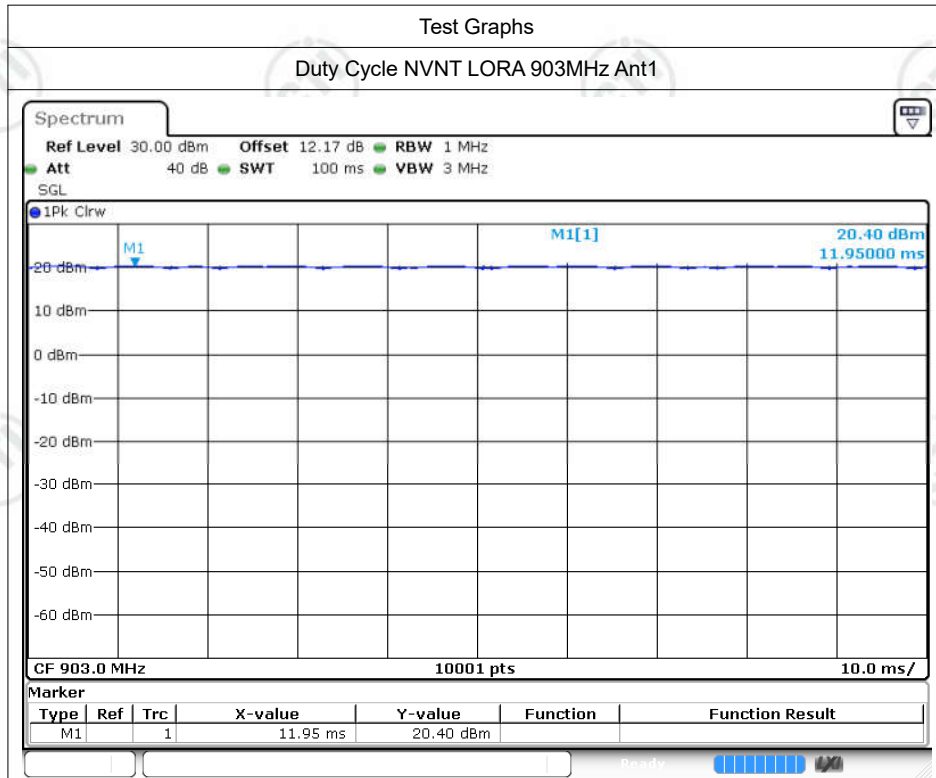
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	LORA	907.8	Ant1	-4.81	0	-4.81	8	Pass
NVNT	LORA	914.2	Ant1	-3.47	0	-3.47	8	Pass
NVNT	LORA	903	Ant1	-3.83	0	-3.83	8	Pass



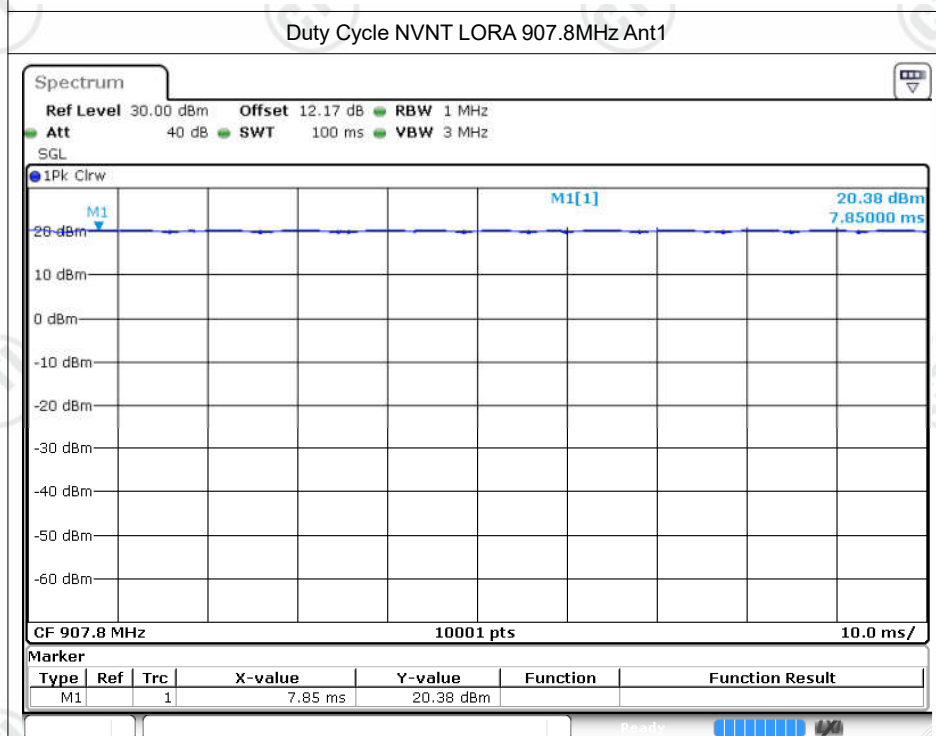


Duty Cycle

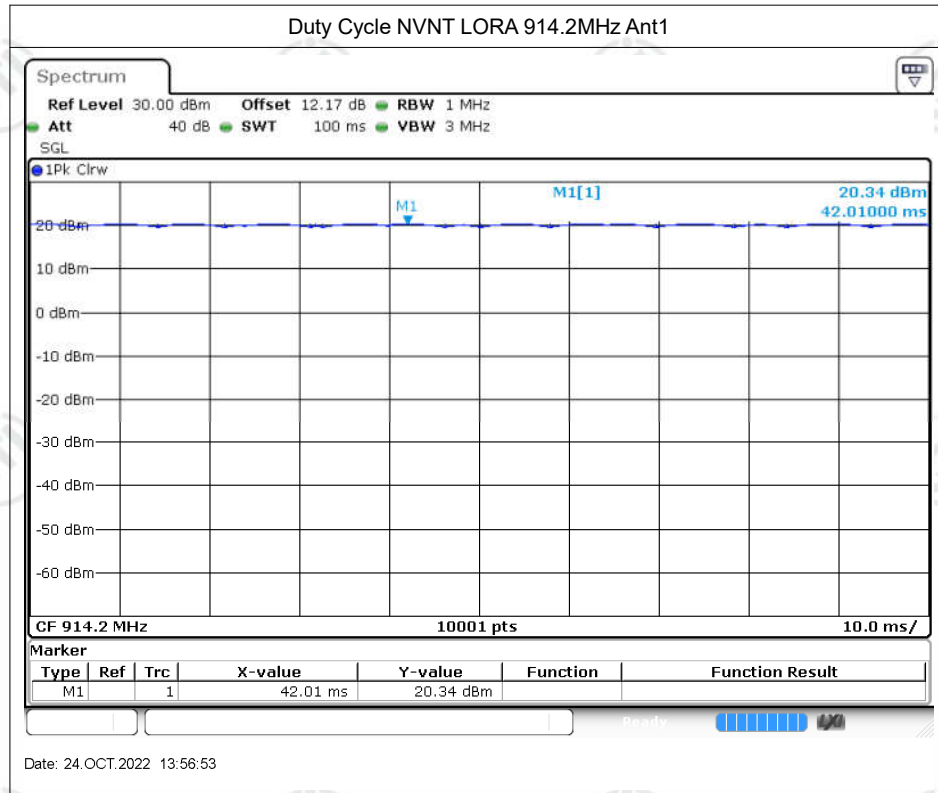
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	LORA	903	Ant1	100	0	0
NVNT	LORA	907.8	Ant1	100	0	0
NVNT	LORA	914.2	Ant1	100	0	0



Date: 24.OCT.2022 13:33:12



Date: 24.OCT.2022 13:53:11

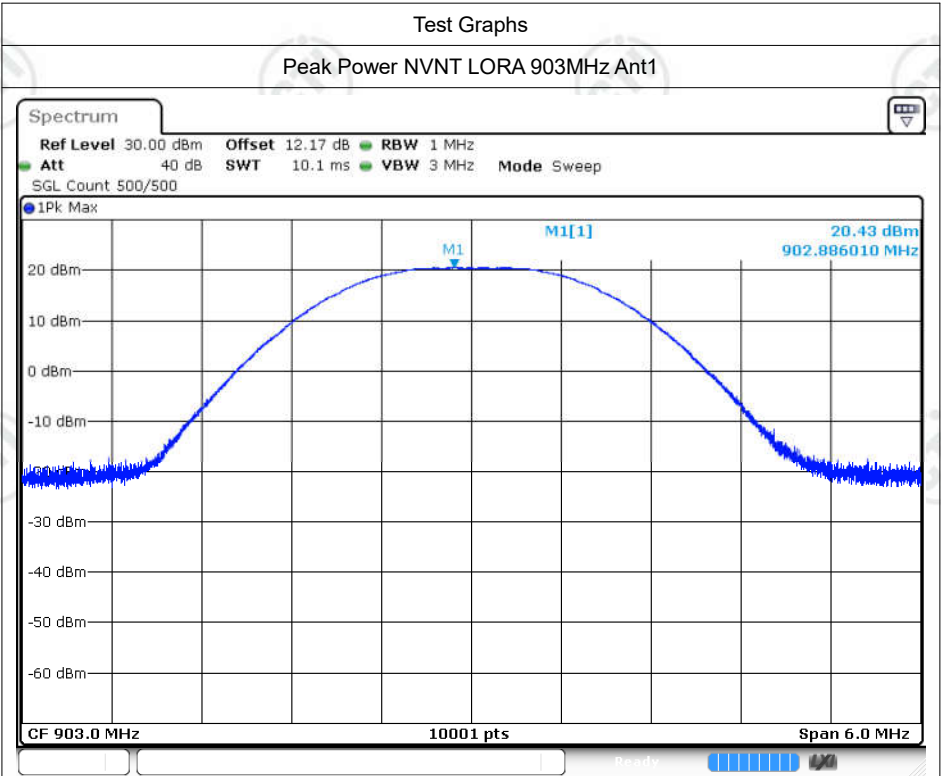


Maximum Peak Conducted Output Power

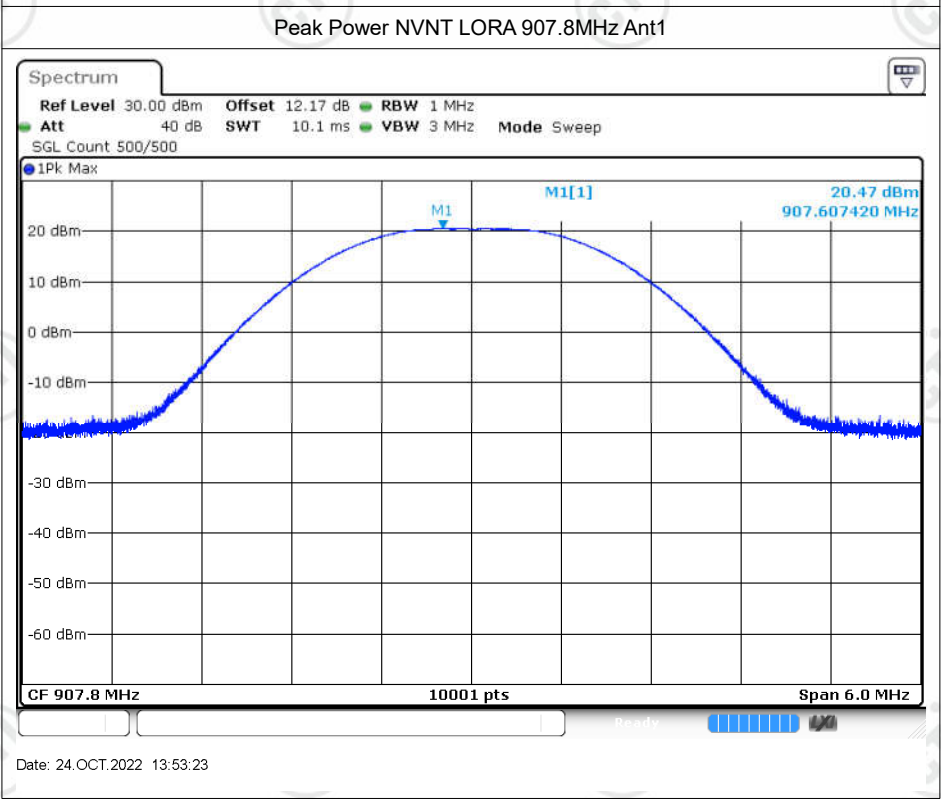
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	LORA	903	Ant1	20.43	0	20.43	30	Pass
NVNT	LORA	907.8	Ant1	20.47	0	20.47	30	Pass
NVNT	LORA	914.2	Ant1	20.41	0	20.41	30	Pass

Maximum Average Conducted Output Power

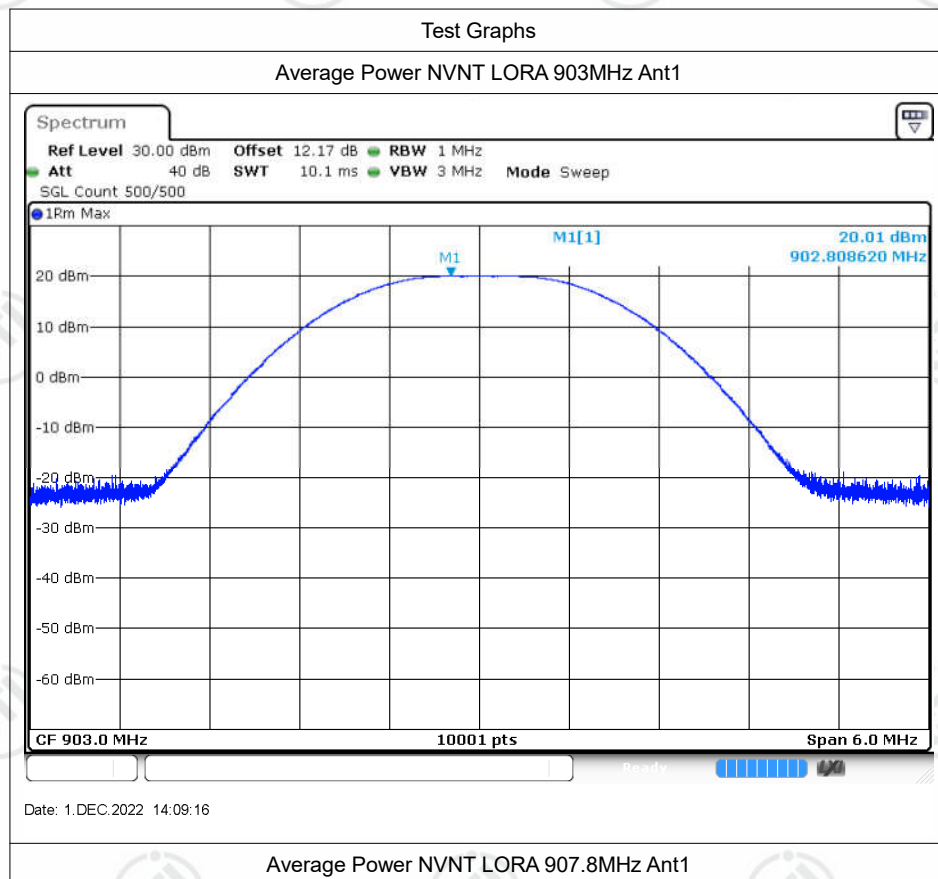
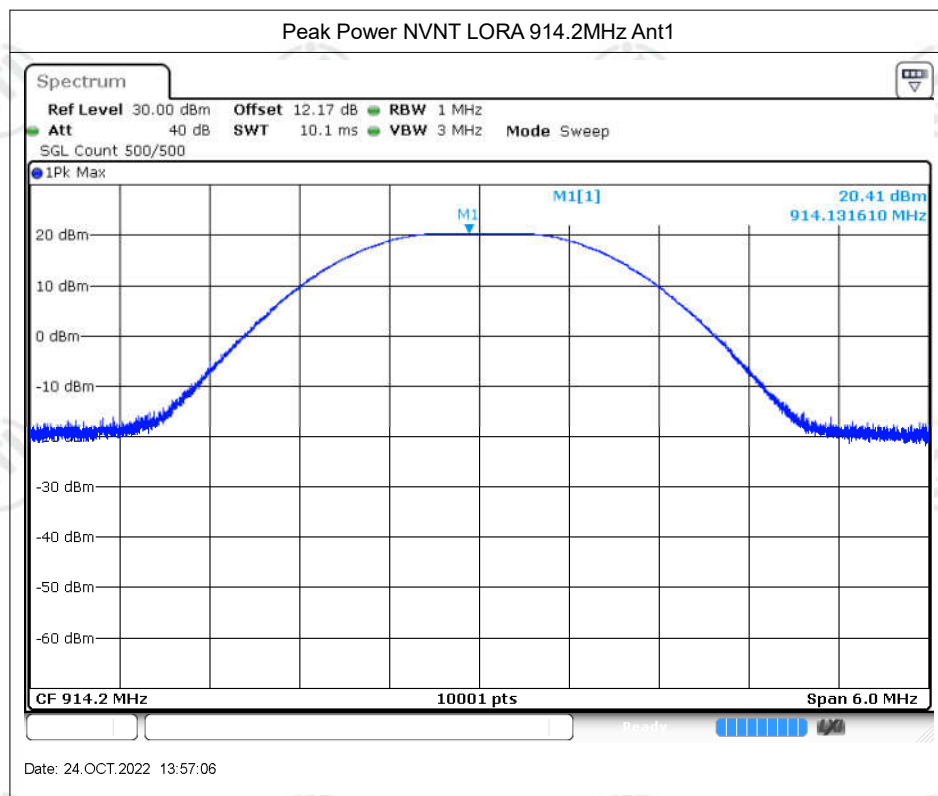
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	LORA	903	Ant1	20.01	0	20.01	30	Pass
NVNT	LORA	907.8	Ant1	20.03	0	20.03	30	Pass
NVNT	LORA	914.2	Ant1	19.98	0	19.98	30	Pass

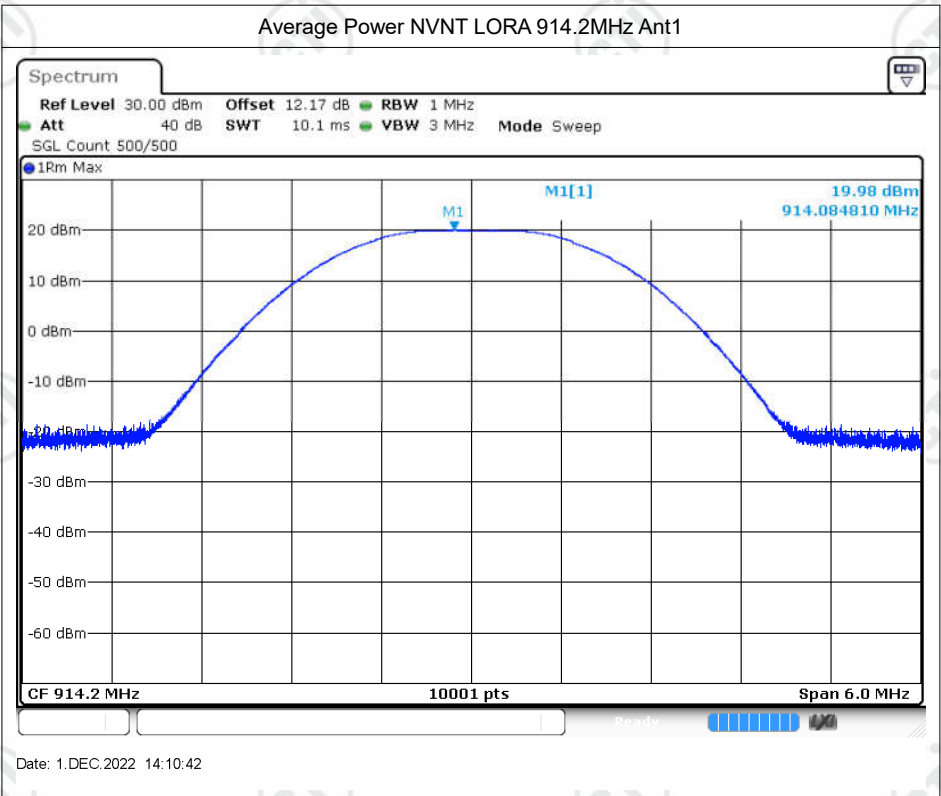
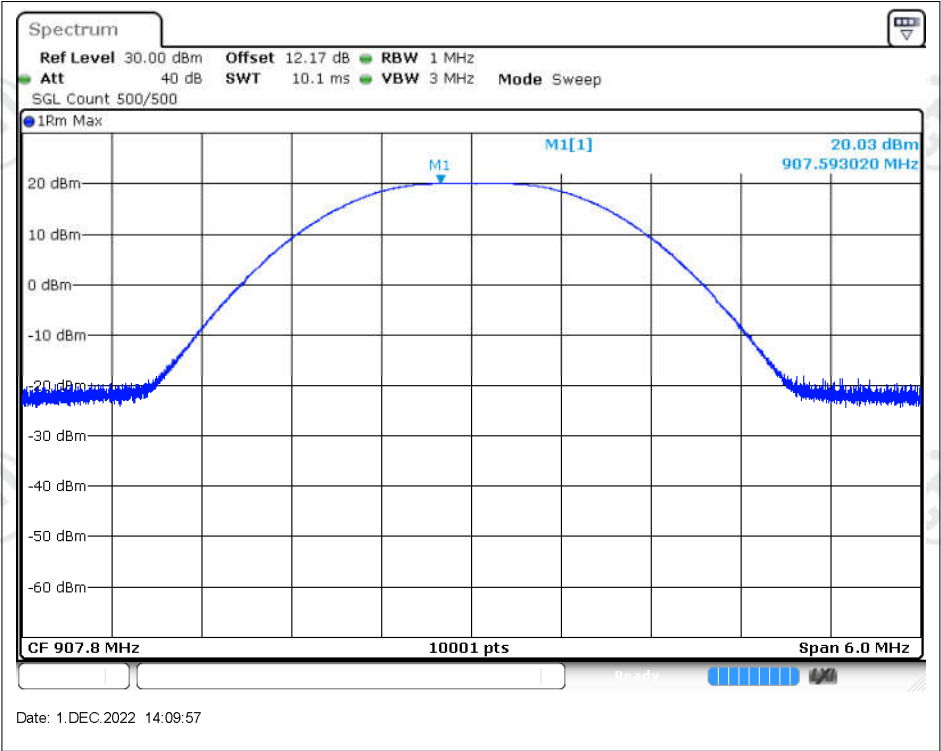


Date: 24.OCT.2022 13:32:16



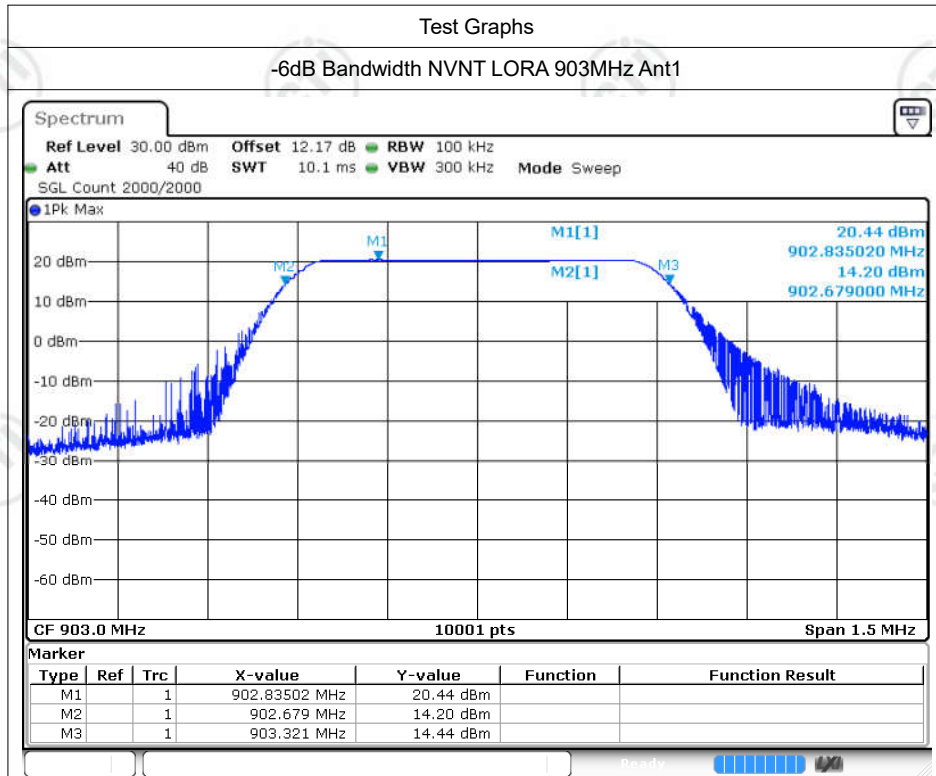
Date: 24.OCT.2022 13:53:23



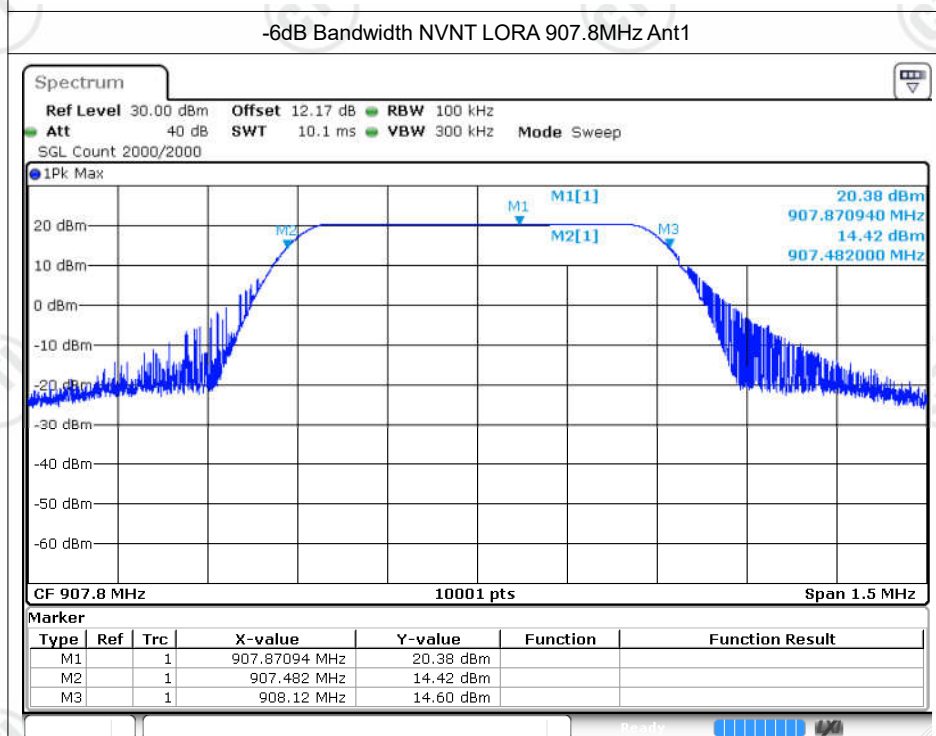


-6dB Bandwidth

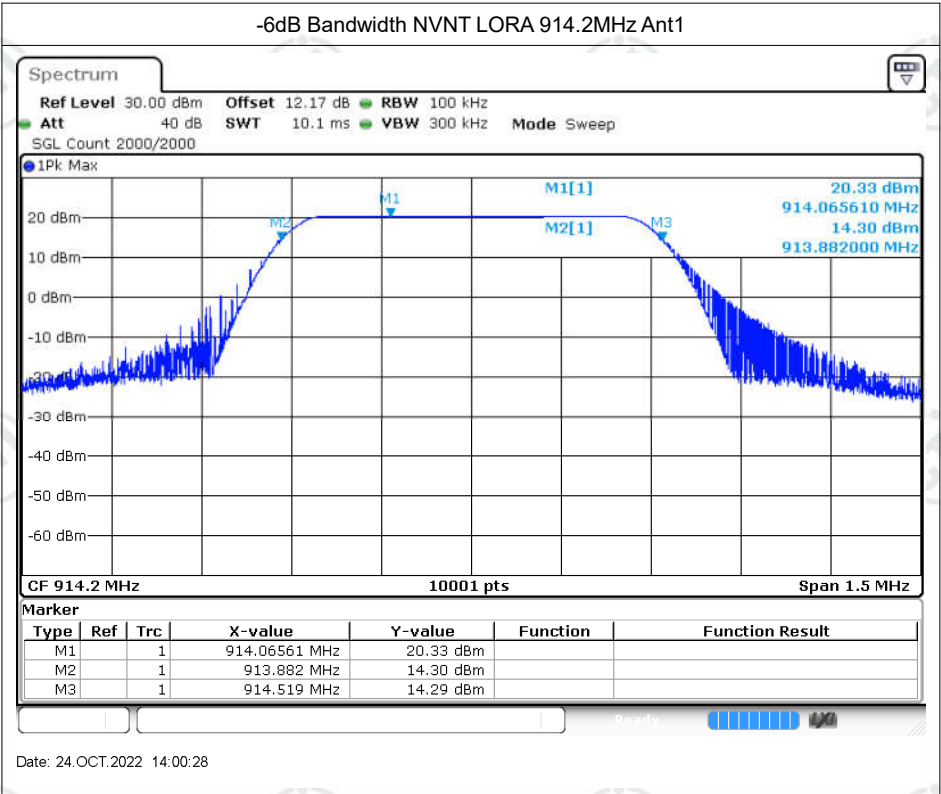
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	LORA	903	Ant1	0.642	0.5	Pass
NVNT	LORA	907.8	Ant1	0.639	0.5	Pass
NVNT	LORA	914.2	Ant1	0.637	0.5	Pass



Date: 24.OCT.2022 13:36:44

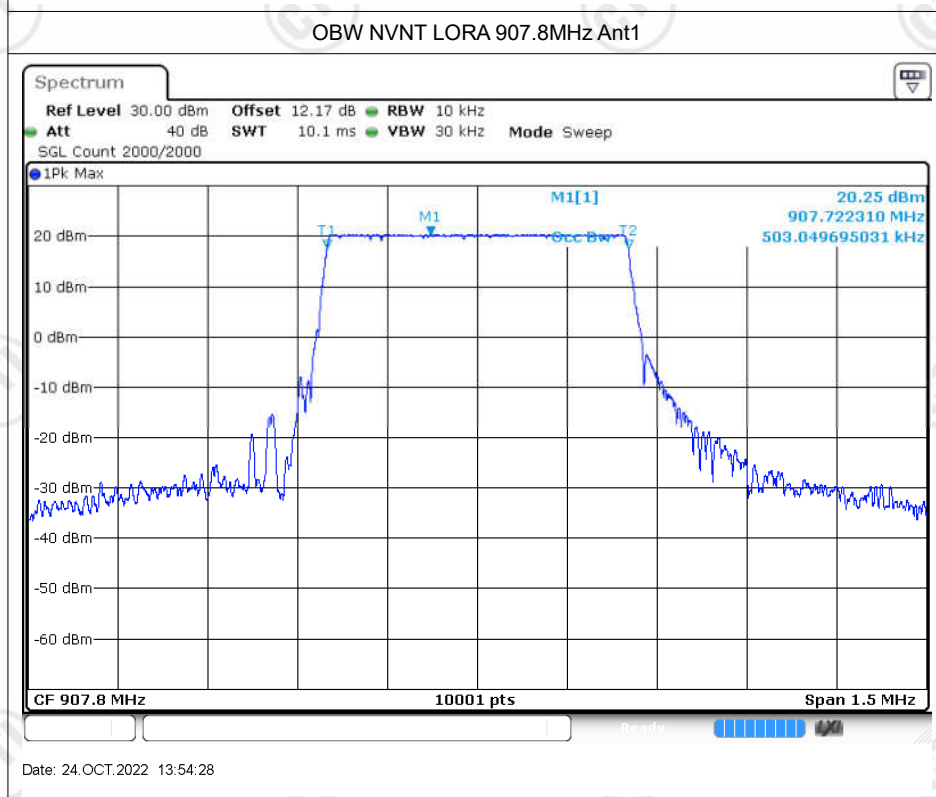
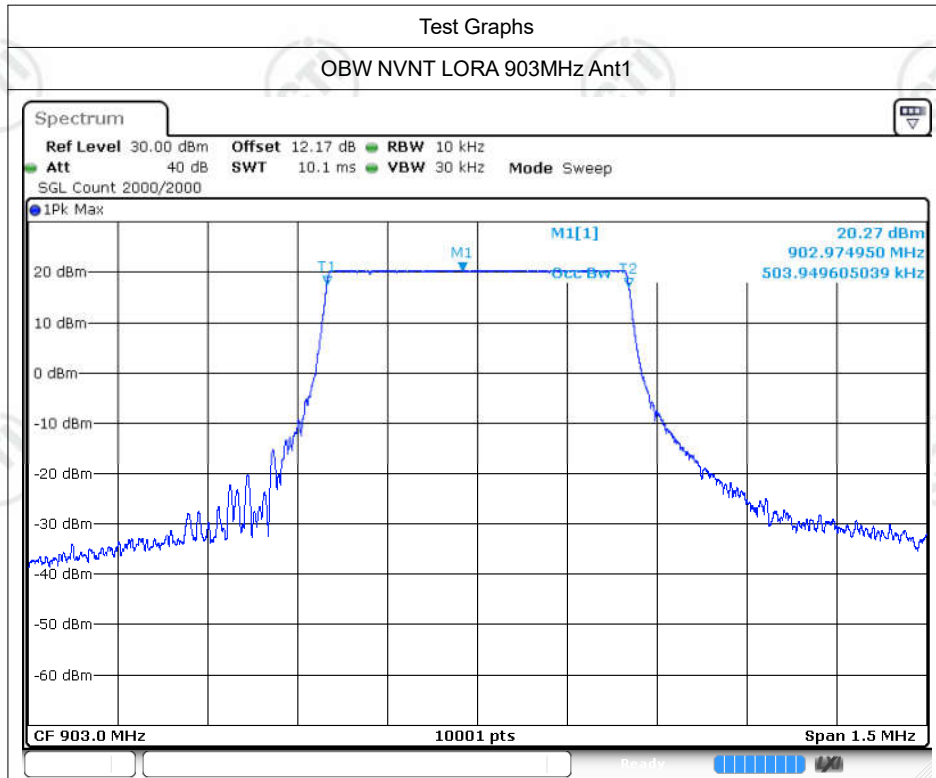


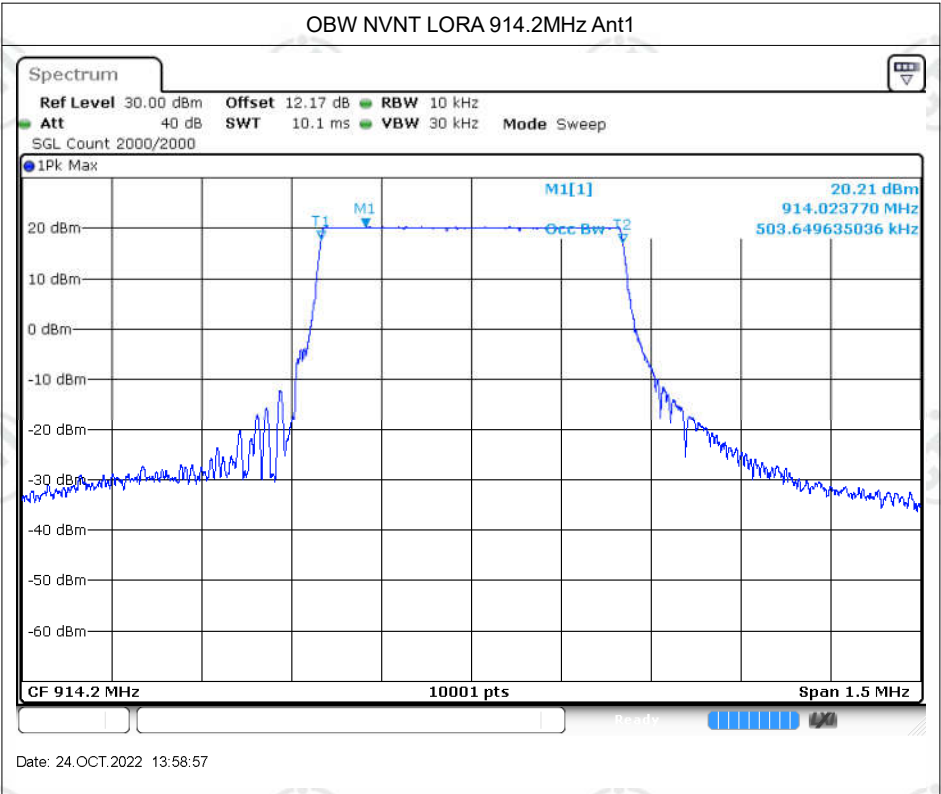
Date: 24.OCT.2022 13:55:04



Occupied Channel Bandwidth

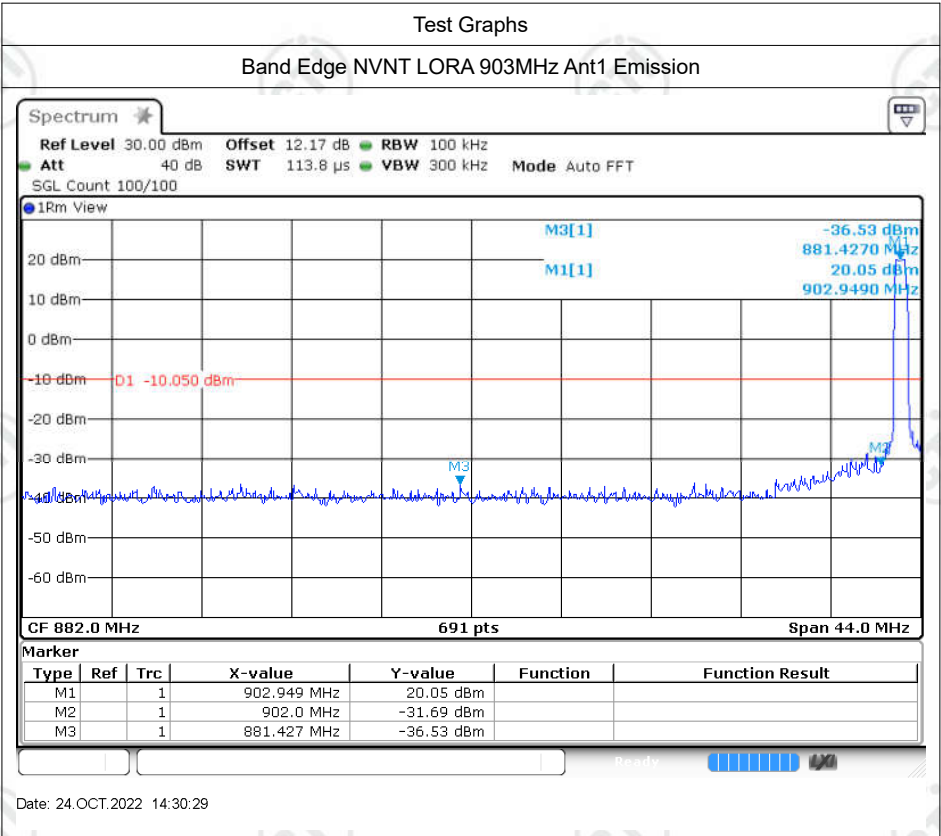
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	LORA	903	Ant1	0.504
NVNT	LORA	907.8	Ant1	0.503
NVNT	LORA	914.2	Ant1	0.504

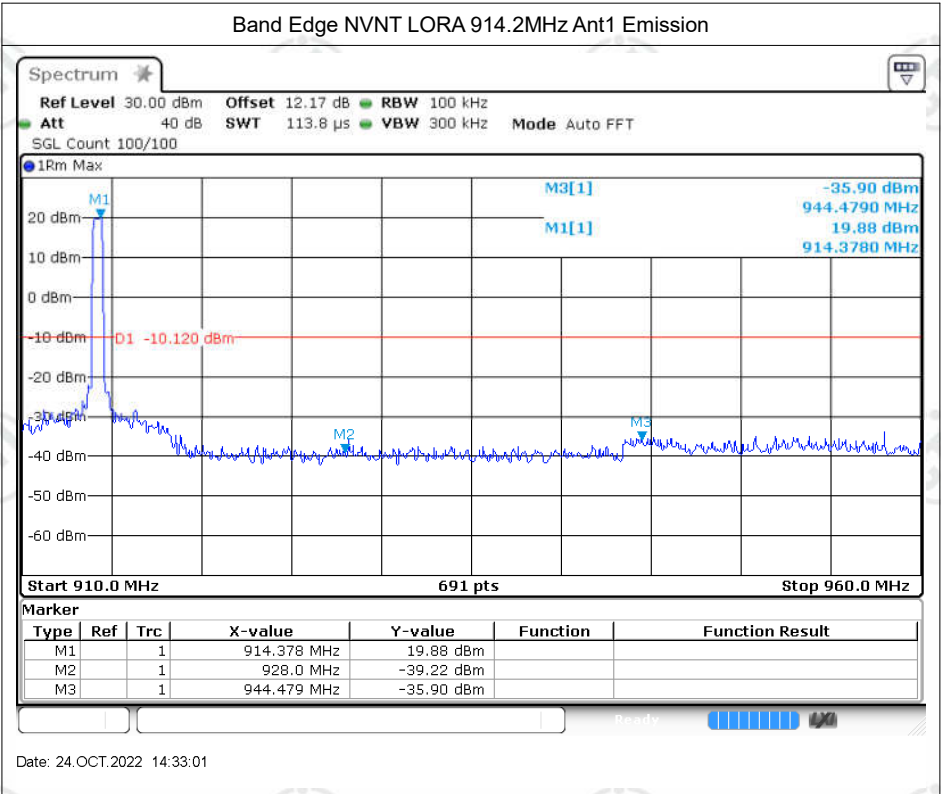




Band Edge

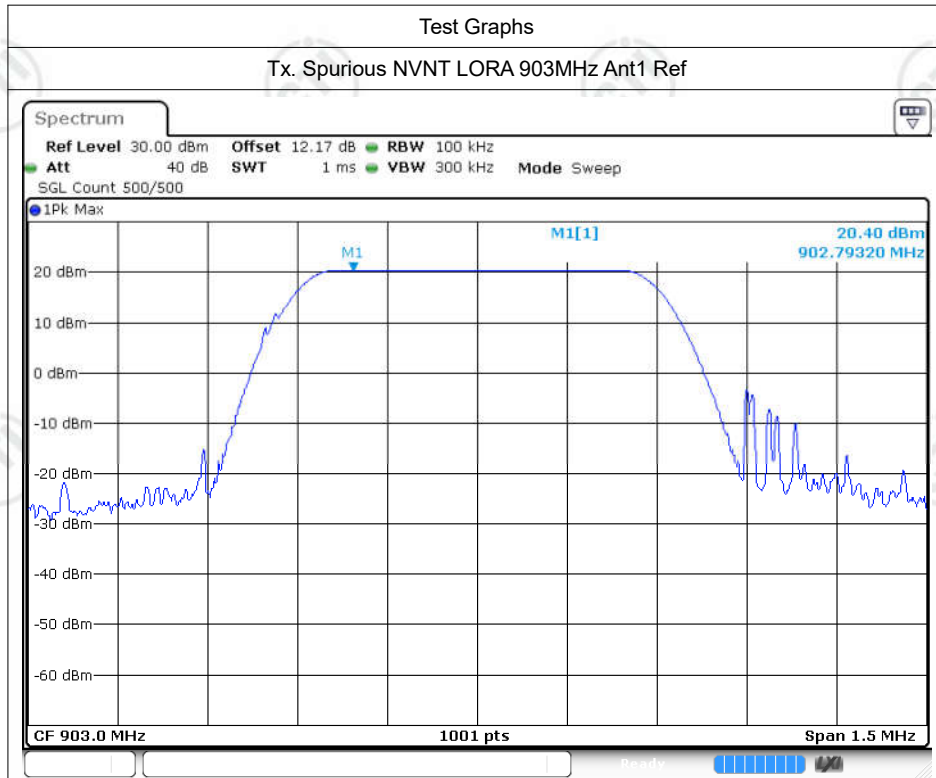
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	LORA	903	Ant1	-30.69	-10.05	Pass
NVNT	LORA	914.2	Ant1	-39.22	-10.12	Pass



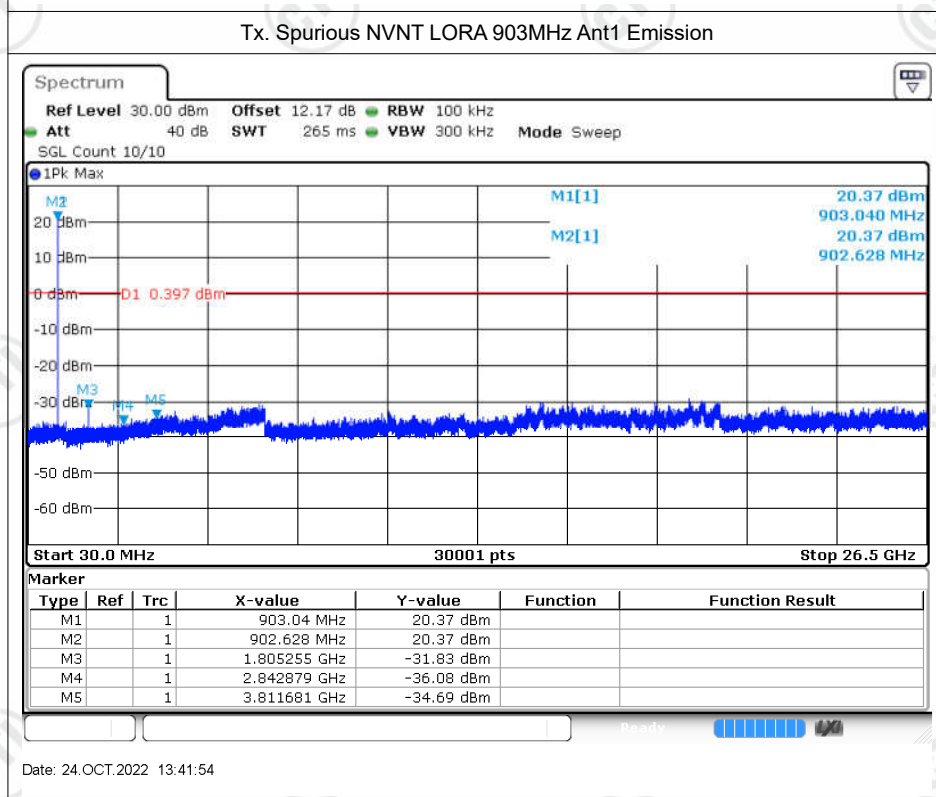


Conducted RF Spurious Emission

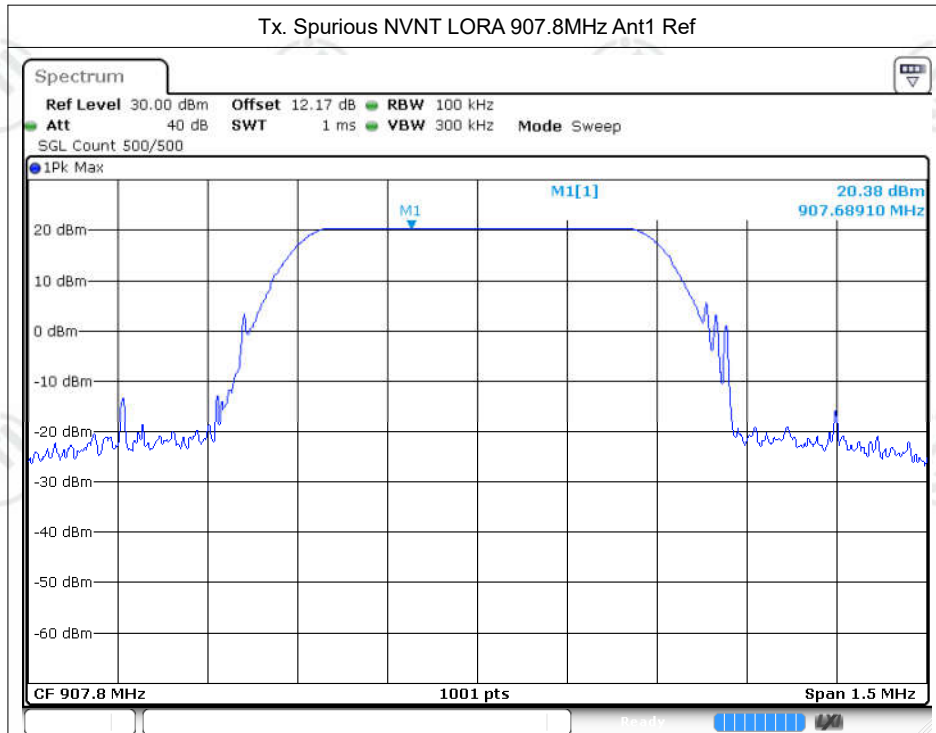
Condition	Mode	Frequency (MHz)	Antenna	Limit (dBc)	Verdict
NVNT	LORA	903	Ant1	0.397	Pass
NVNT	LORA	907.8	Ant1	0.384	Pass
NVNT	LORA	914.2	Ant1	0.304	Pass



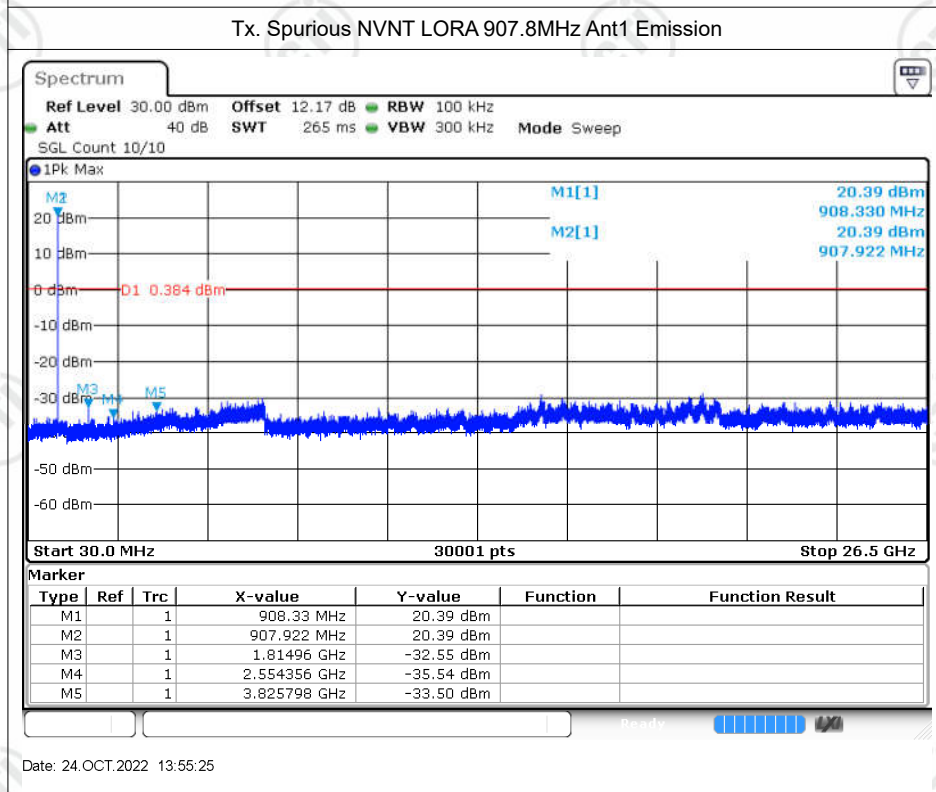
Date: 24.OCT.2022 13:41:44



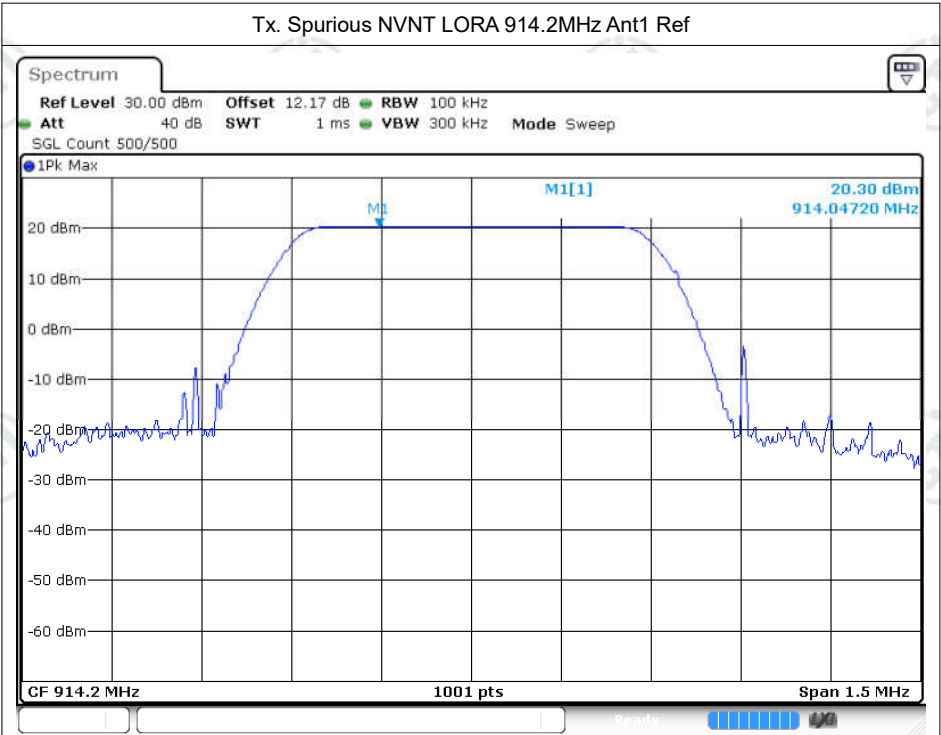
Date: 24.OCT.2022 13:41:54



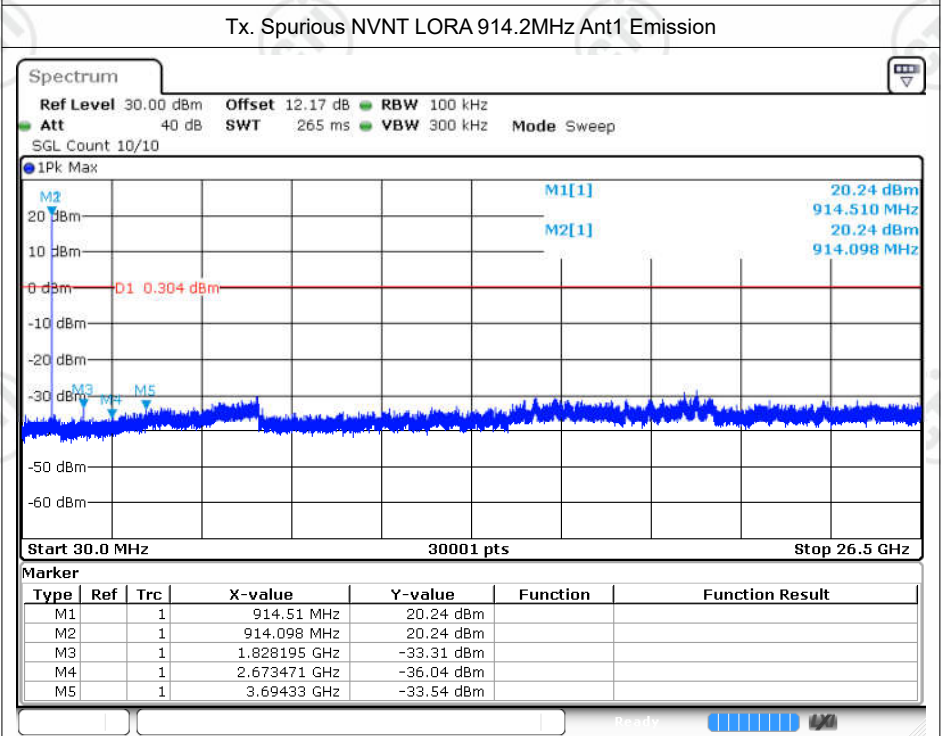
Date: 24.OCT.2022 13:55:14



Date: 24.OCT.2022 13:55:25



Date: 24.OCT.2022 14:00:41



Date: 24.OCT.2022 14:00:52

*** End of Report ***