

Appendix: Lora

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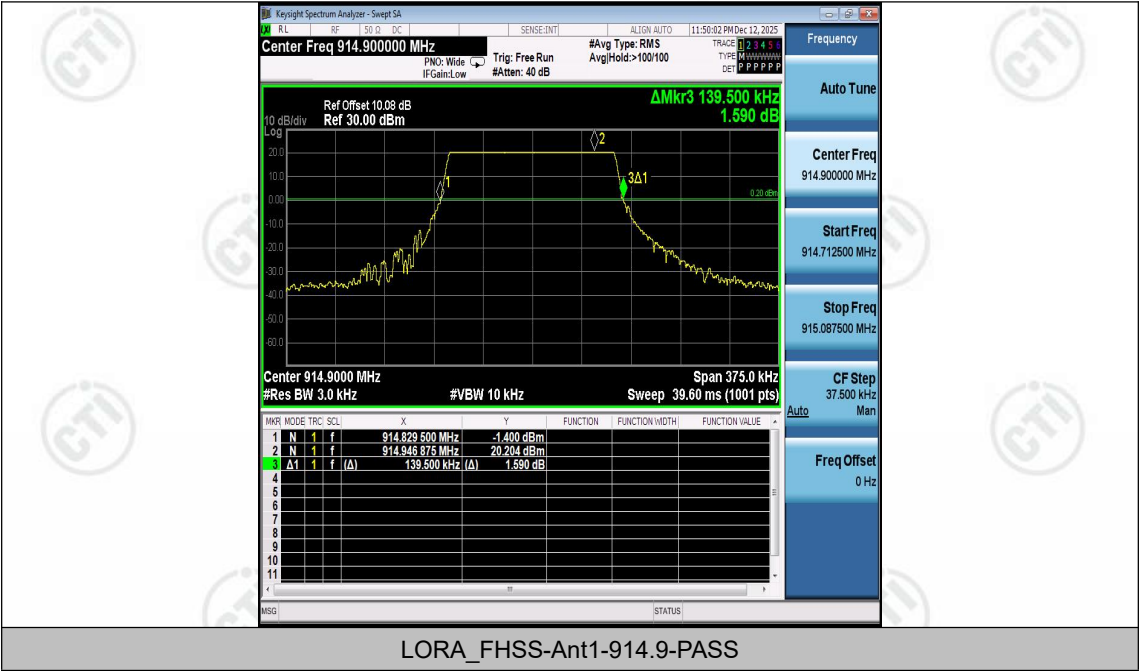
Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
LORA_FHSS	Ant1	902.3	0.139	902.230	902.369	≤0.5	PASS
LORA_FHSS	Ant1	908.5	0.138	908.431	908.569	≤0.5	PASS
LORA_FHSS	Ant1	914.9	0.139	914.830	914.969	≤0.5	PASS

Test Graphs



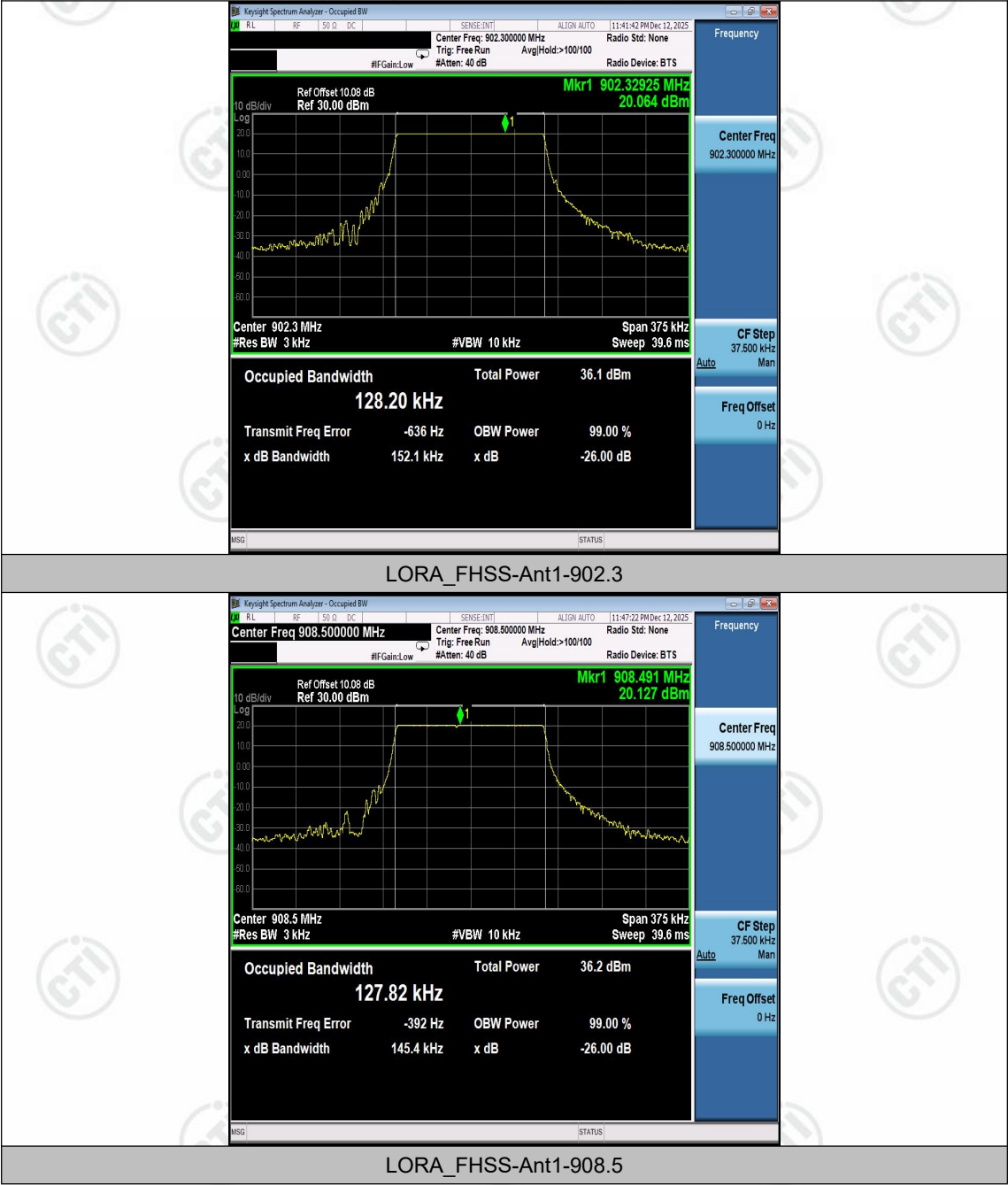


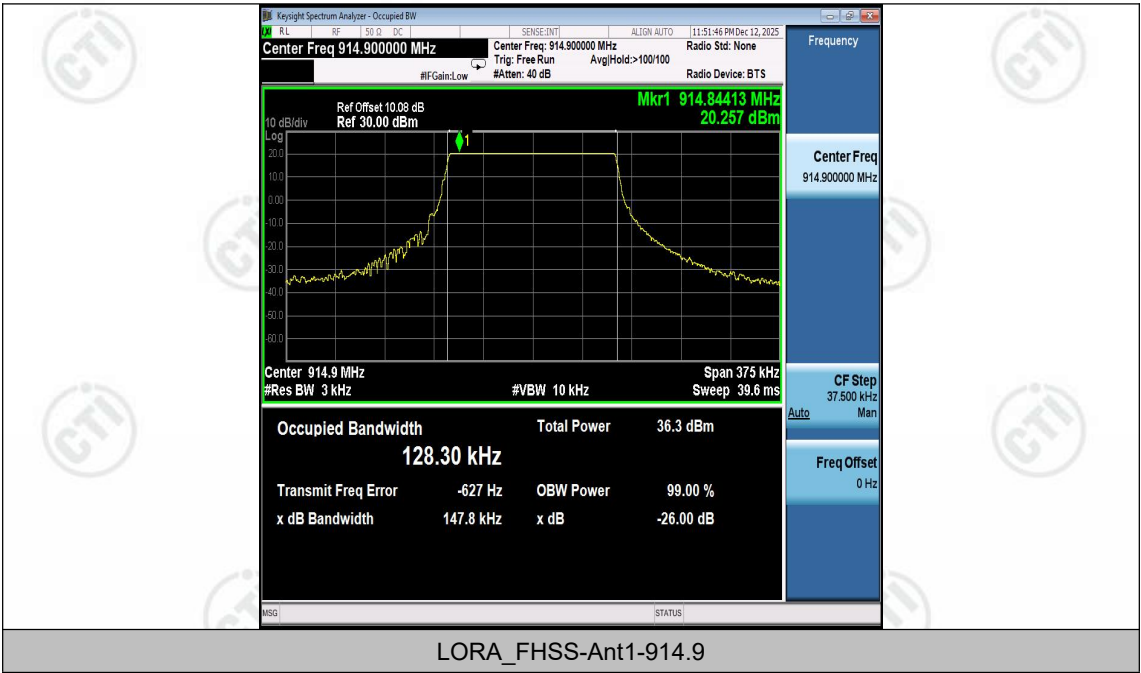
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
LORA_FHSS	Ant1	902.3	0.12820	902.2353	902.3635	---	---
LORA_FHSS	Ant1	908.5	0.12782	908.4359	908.5636	---	---
LORA_FHSS	Ant1	914.9	0.12830	914.8352	914.9635	---	---

Test Graphs



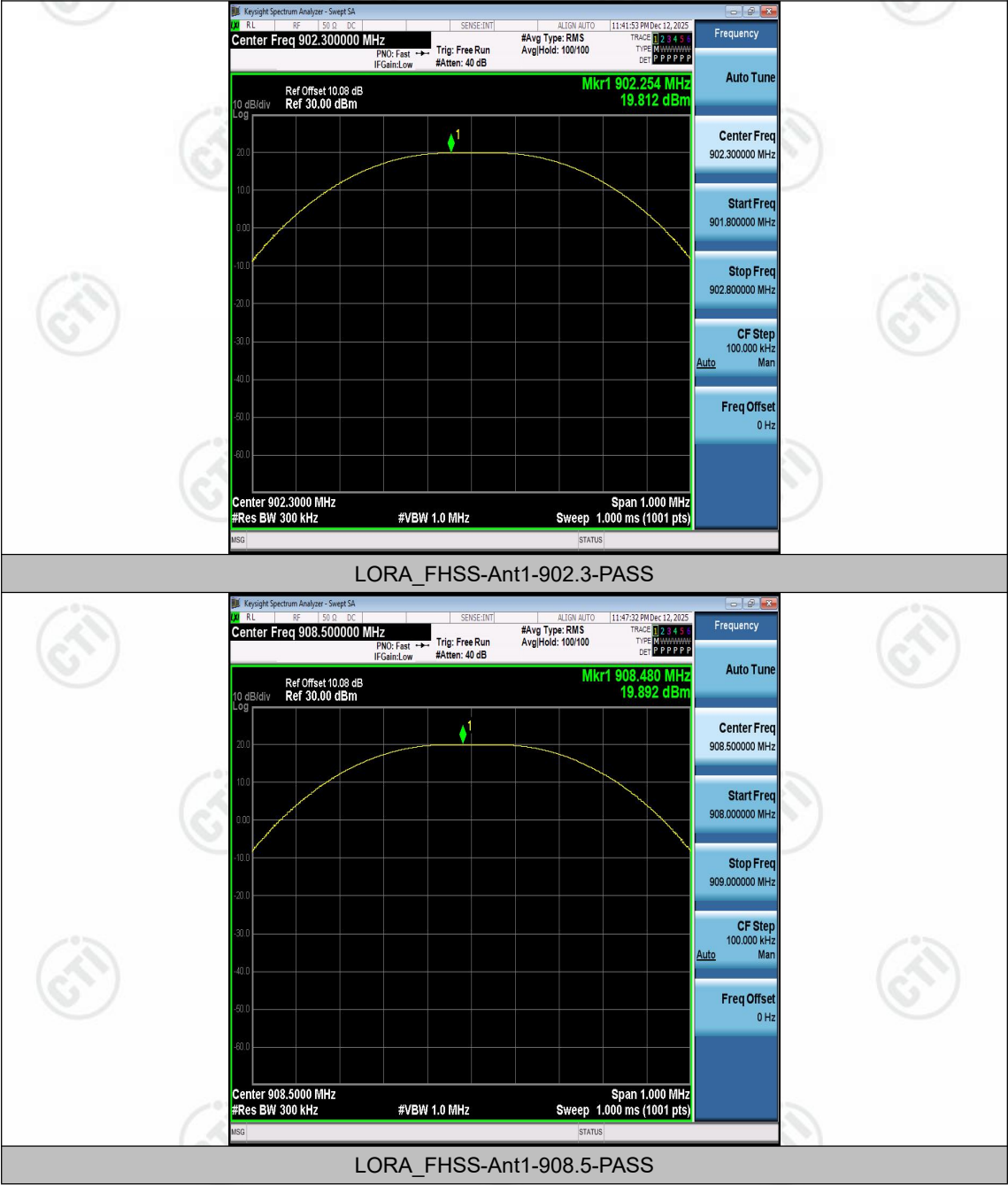


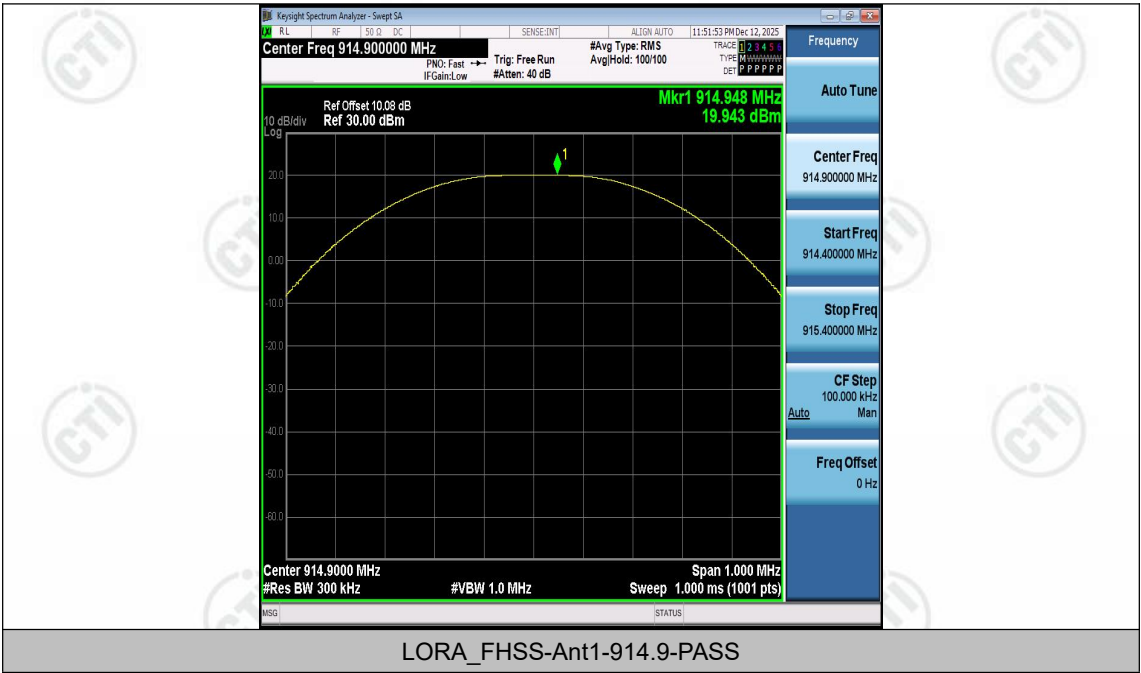
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
LORA_FHSS	Ant1	902.3	19.81	≤30	PASS
LORA_FHSS	Ant1	908.5	19.89	≤30	PASS
LORA_FHSS	Ant1	914.9	19.94	≤30	PASS

Test Graphs



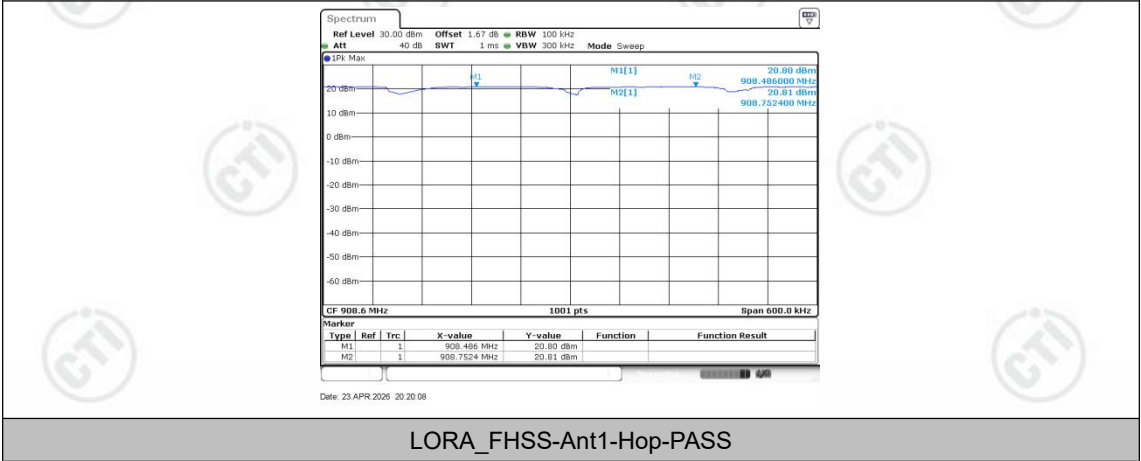


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
LORA_FHSS	Ant1	Hop	0.2664	≥0.025	PASS

Test Graphs



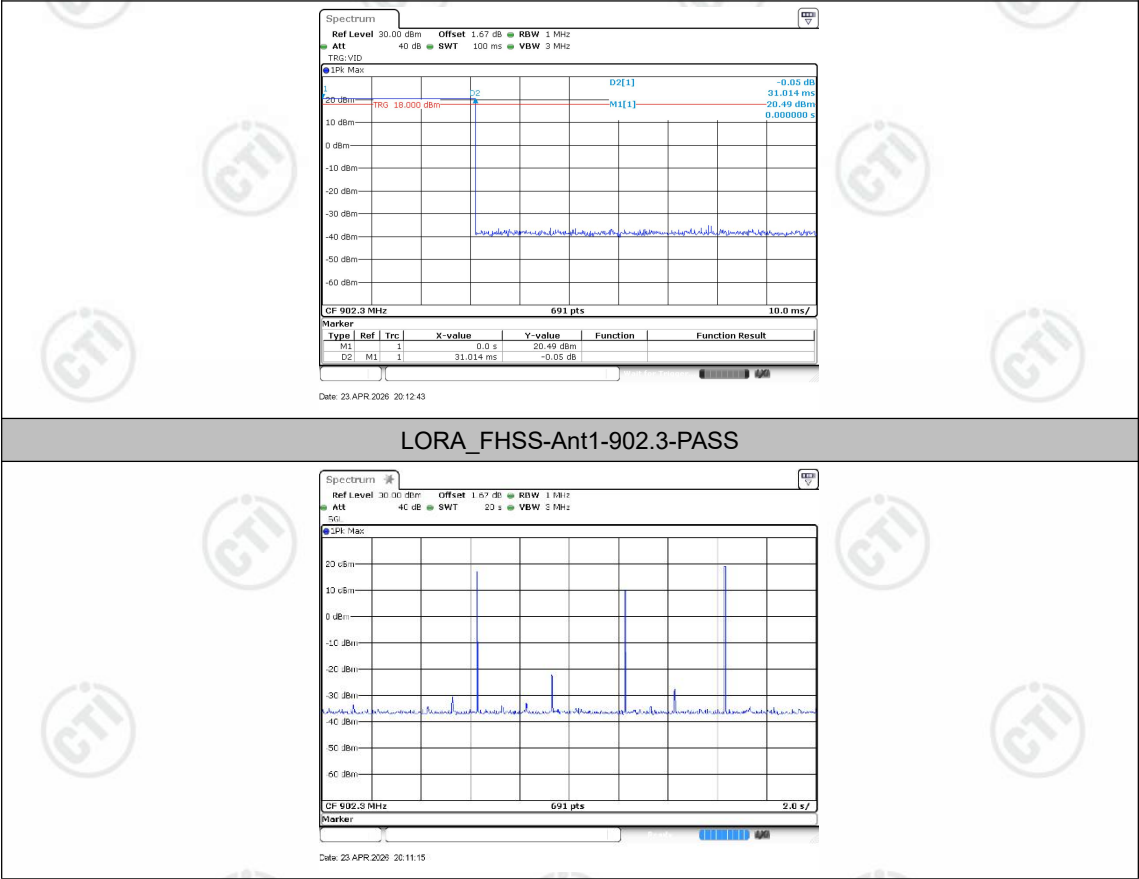
Note: During the test, RBW was already as close as possible to 30% of the channel spacing.

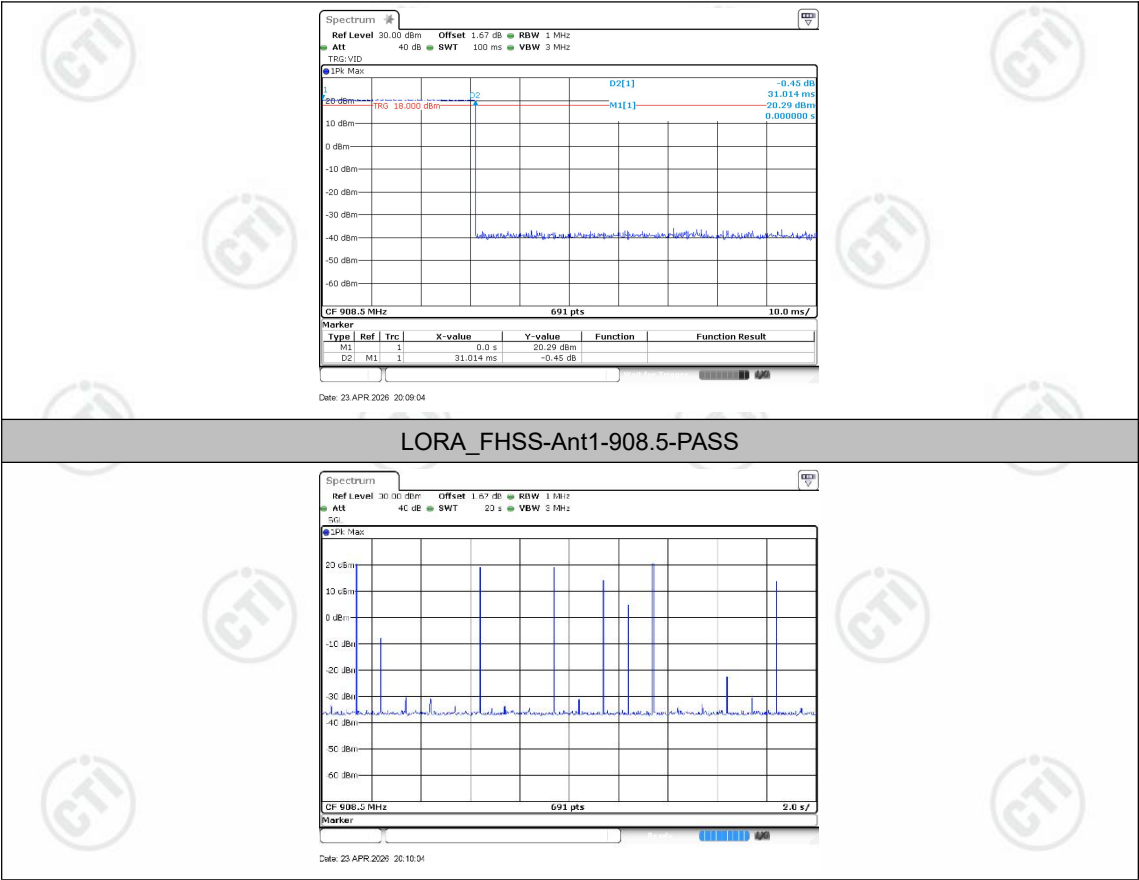
Appendix E: Time of occupancy

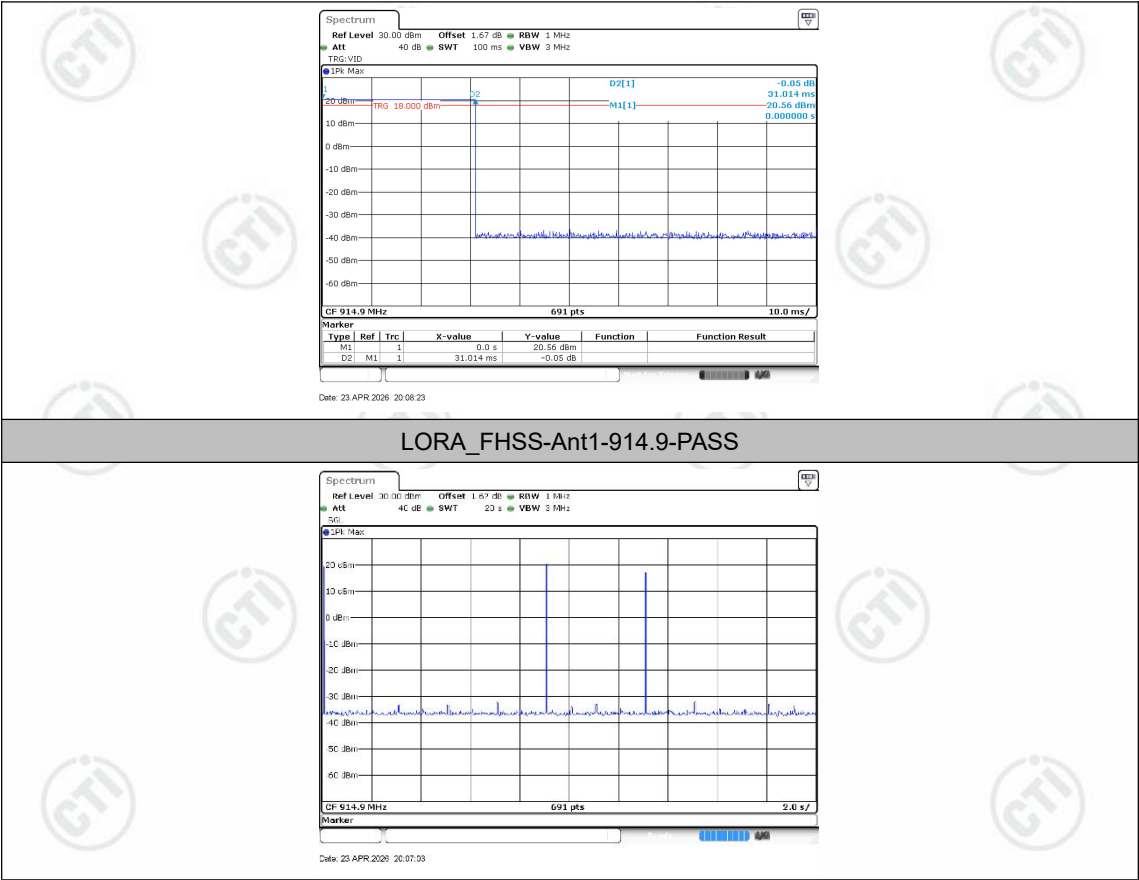
Test Result

TestMode	Antenna	Frequency [MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
LORA_FHSS	Ant1	902.3	31.014	3	0.09304	0.4	PASS
LORA_FHSS	Ant1	908.5	31.014	6	0.18608	0.4	PASS
LORA_FHSS	Ant1	914.9	31.014	2	0.06202	0.4	PASS

Test Graphs







Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
LORA_FHSS	Ant1	Hop	64	≥50	PASS

Test Graphs

