

Appendix: 2.4G

Contents

Appendix A: 20dB Emission Bandwidth.....3

 Test Result..... 3

 Test Graphs.....4

Appendix B: Occupied Channel Bandwidth.....6

 Test Result..... 6

 Test Graphs.....7

Appendix C: Maximum conducted output power.....9

 Test Result..... 9

 Test Graphs.....10

Appendix D: Carrier frequency separation.....12

 Test Result.....12

 Test Graphs.....13

Appendix E: Time of occupancy.....15

 Test Result.....15

 Test Graphs.....16

Appendix F: Number of hopping channels.....17

 Test Result.....17

 Test Graphs.....18

Appendix G: Band edge measurements.....19

 Test Result.....19

 Test Graphs.....20

Appendix H: Conducted Spurious Emission.....22

 Test Result.....22

 Test Graphs.....23

Appendix I: Duty Cycle.....28

 Test Result.....28

 Test Graphs.....29

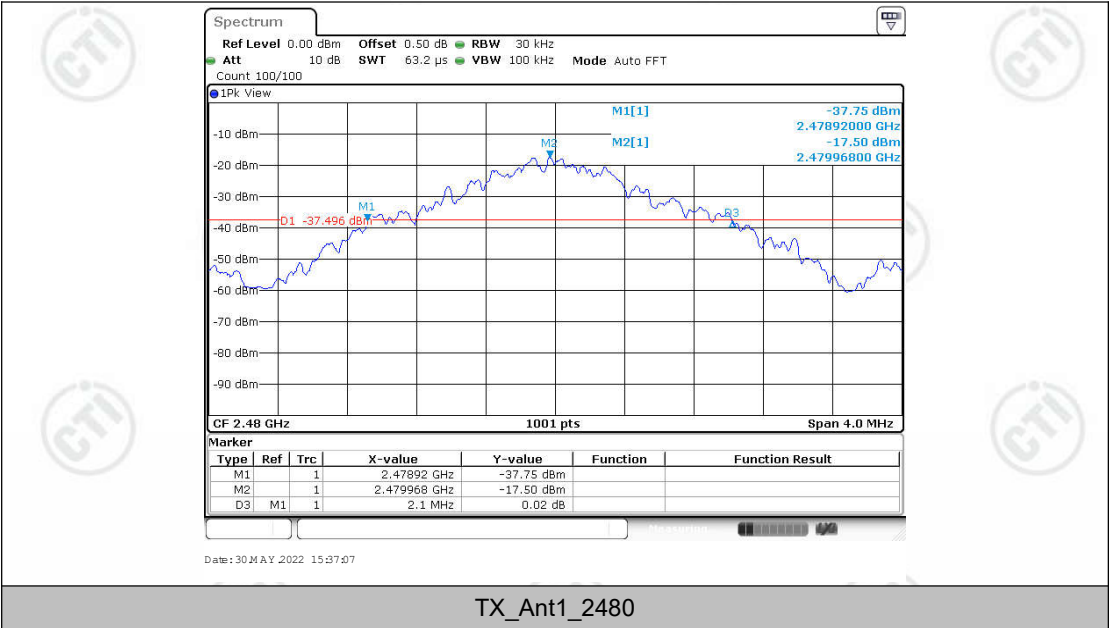
Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
TX	Ant1	2402	2.032	2400.980	2403.012	---	PASS
		2440	2.088	2438.932	2441.020	---	PASS
		2480	2.100	2478.920	2481.020	---	PASS

Test Graphs



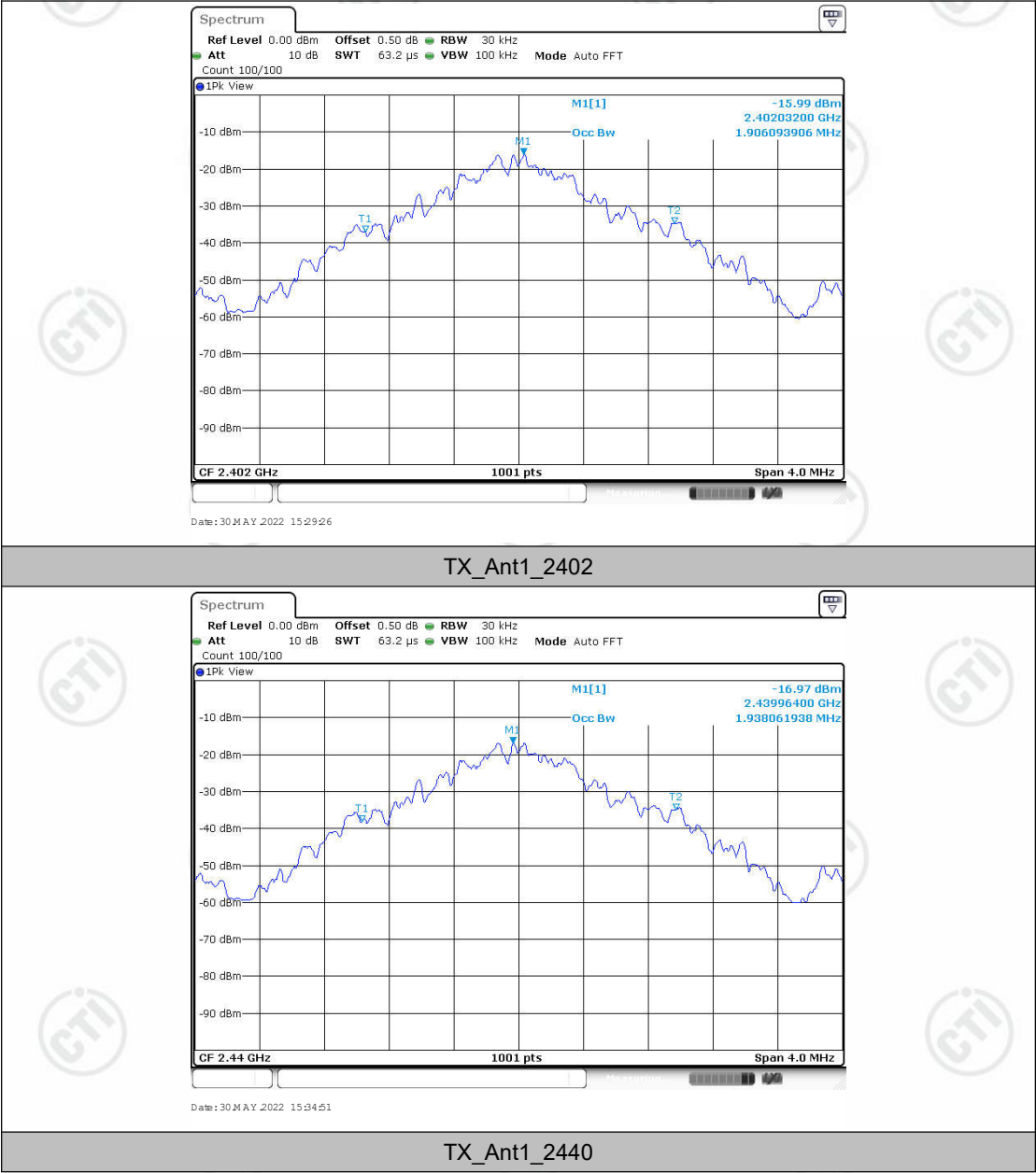


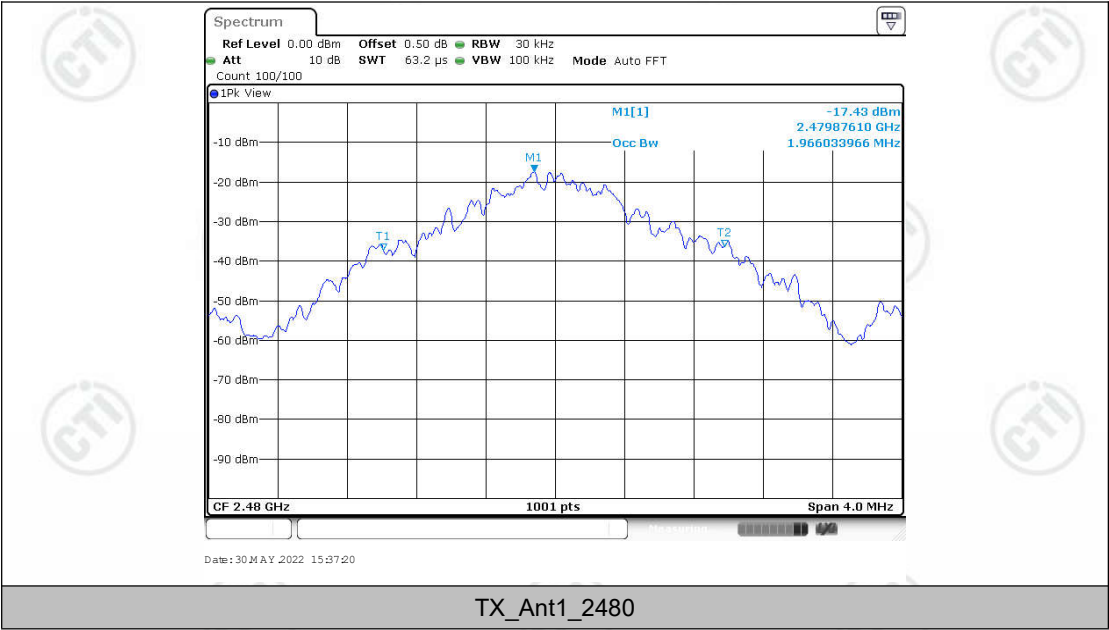
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
TX	Ant1	2402	1.906	2401.053	2402.959	---	PASS
		2440	1.938	2439.033	2440.971	---	PASS
		2480	1.966	2479.009	2480.975	---	PASS

Test Graphs



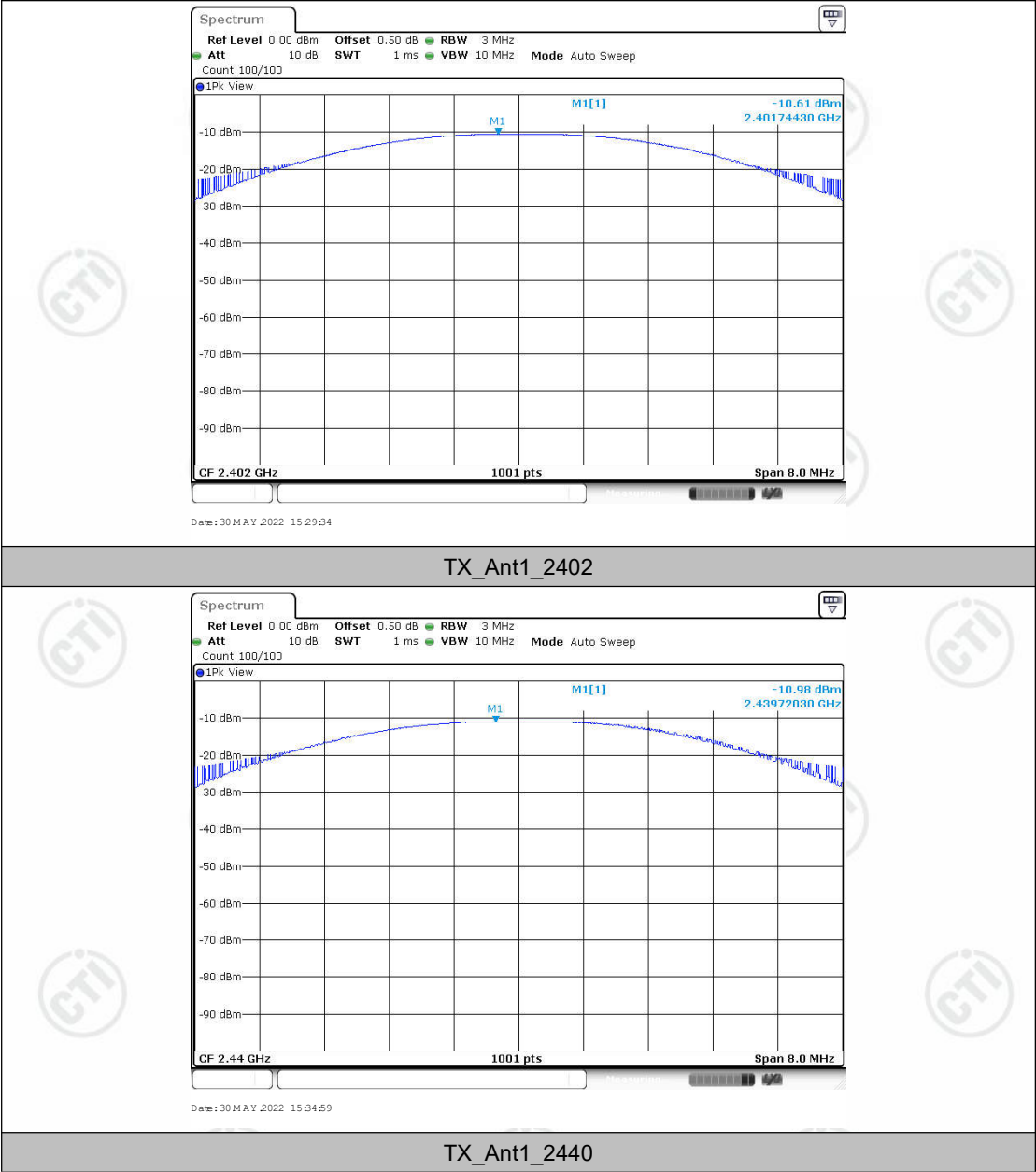


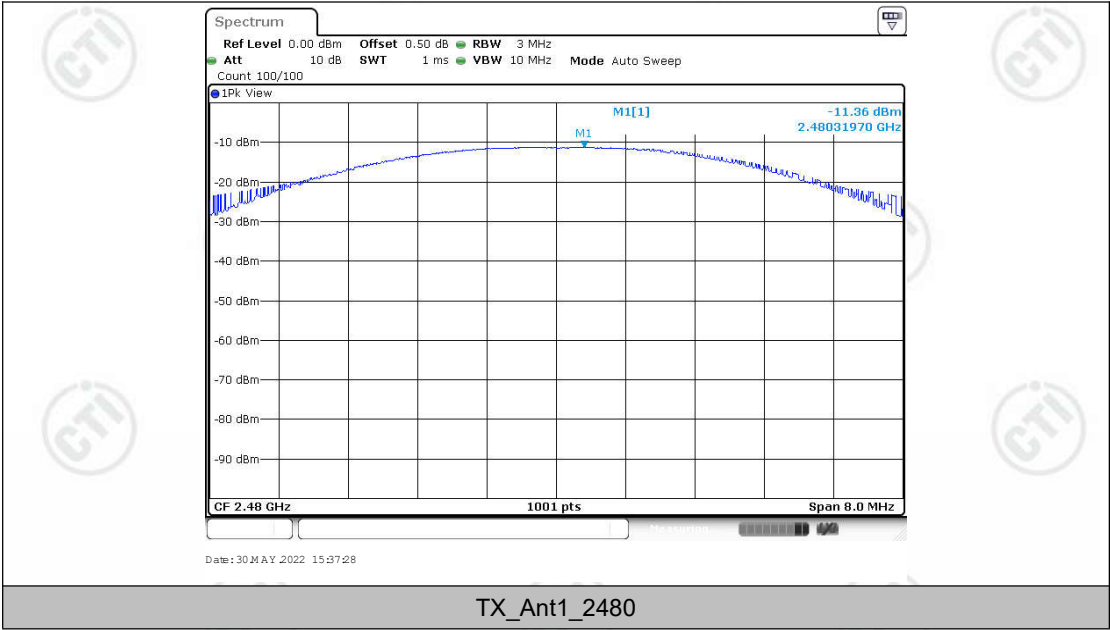
Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
TX	Ant1	2402	-10.61	<=20.97	PASS
		2440	-10.98	<=20.97	PASS
		2480	-11.36	<=20.97	PASS

Test Graphs



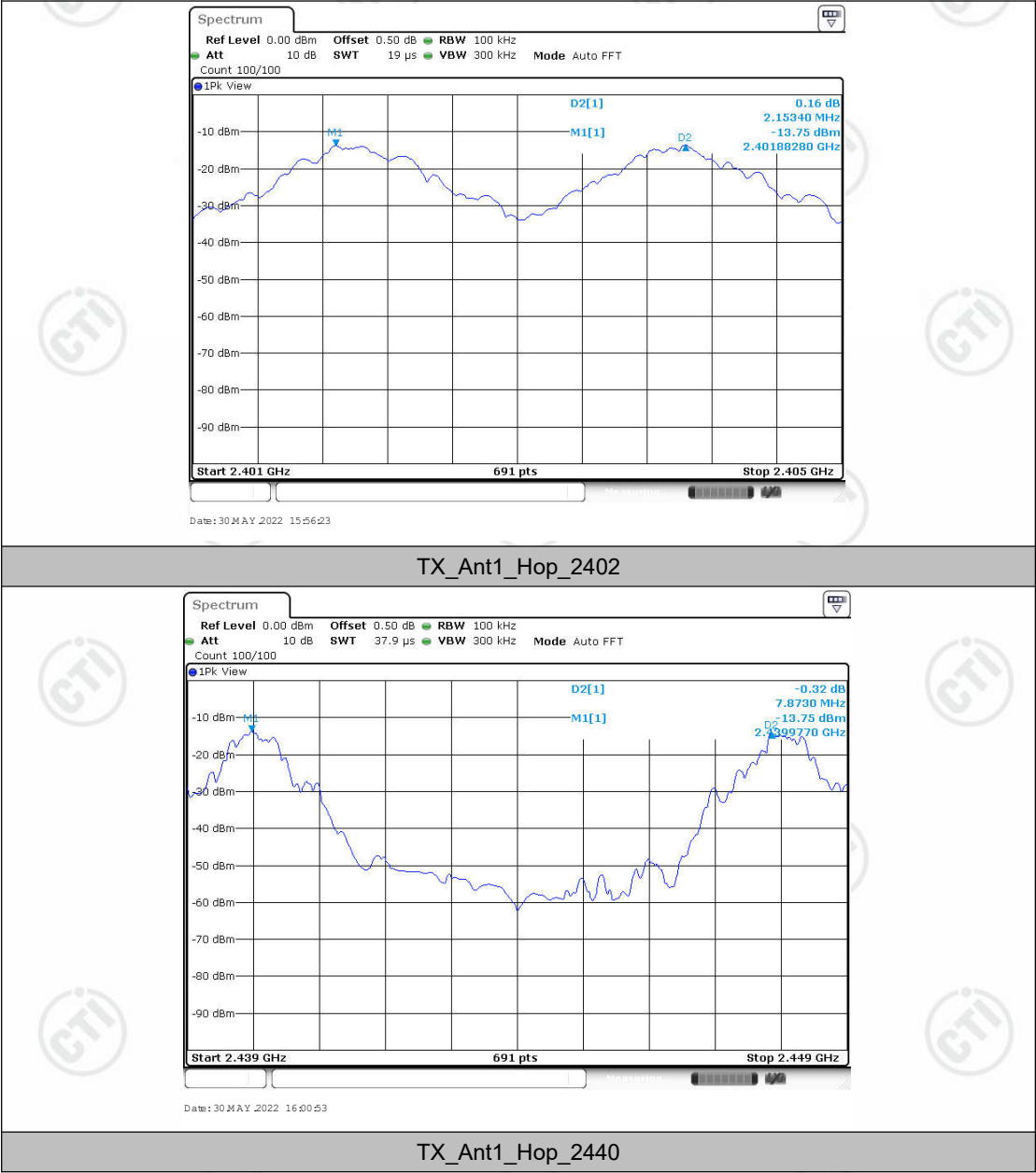


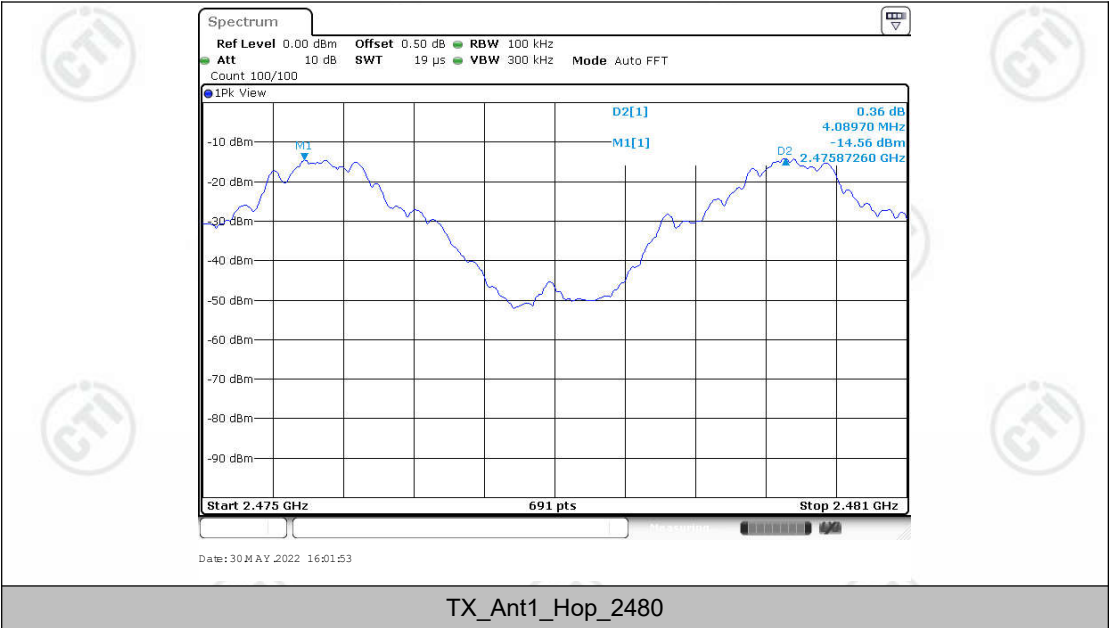
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
TX	Ant1	Hop_2402	2.1534	≥1.355	PASS
		Hop_2440	7.8730	≥1.392	PASS
		Hop_2480	4.0897	≥1.400	PASS

Test Graphs



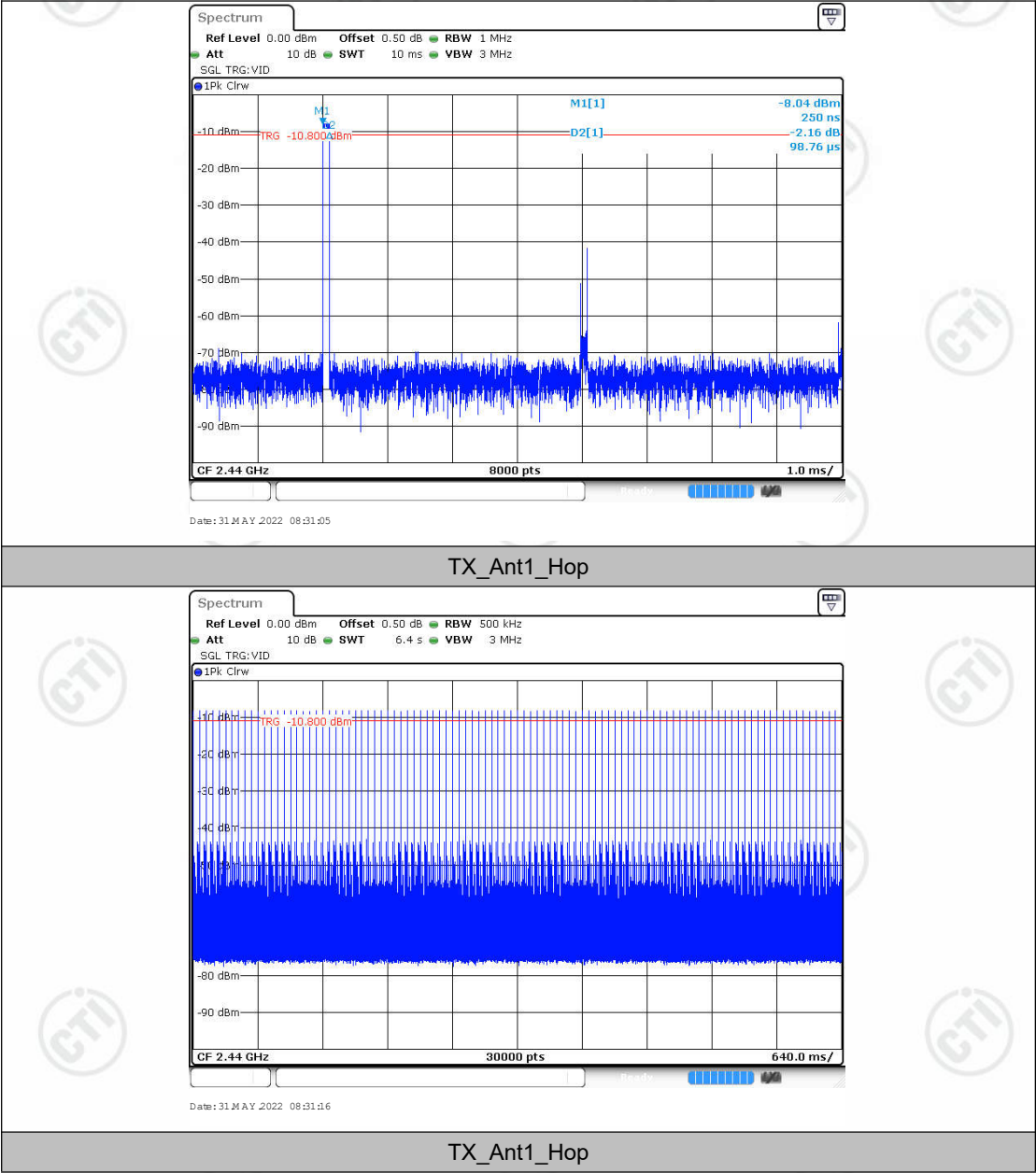


Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
TX	Ant1	Hop	0.10	100	0.01	0.4	PASS

Test Graphs

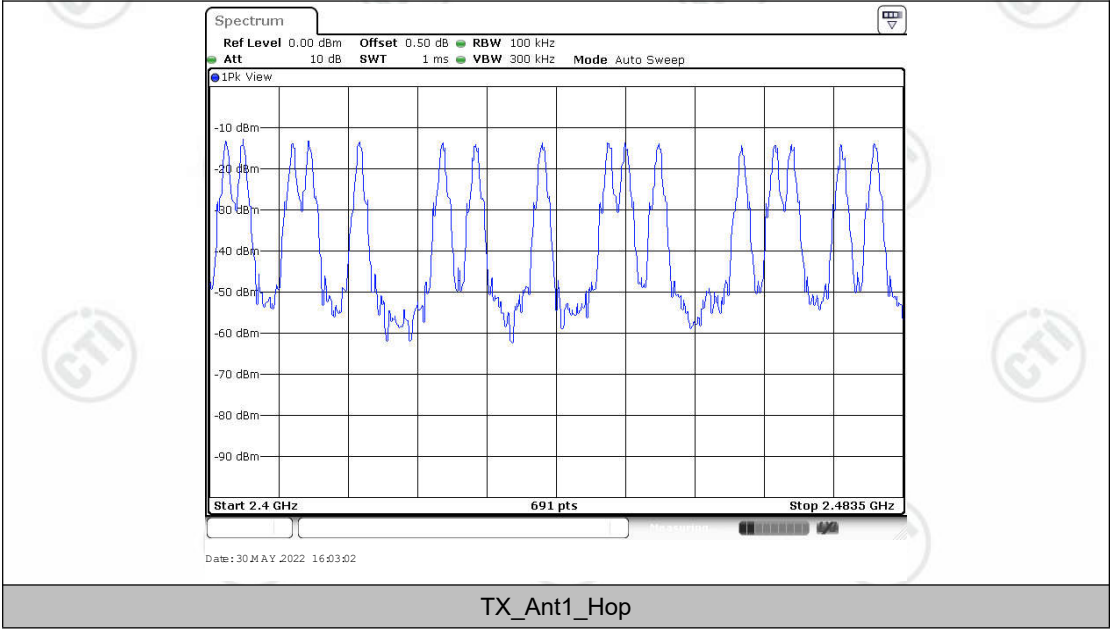


Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
TX	Ant1	Hop	16	>=15	PASS

Test Graphs

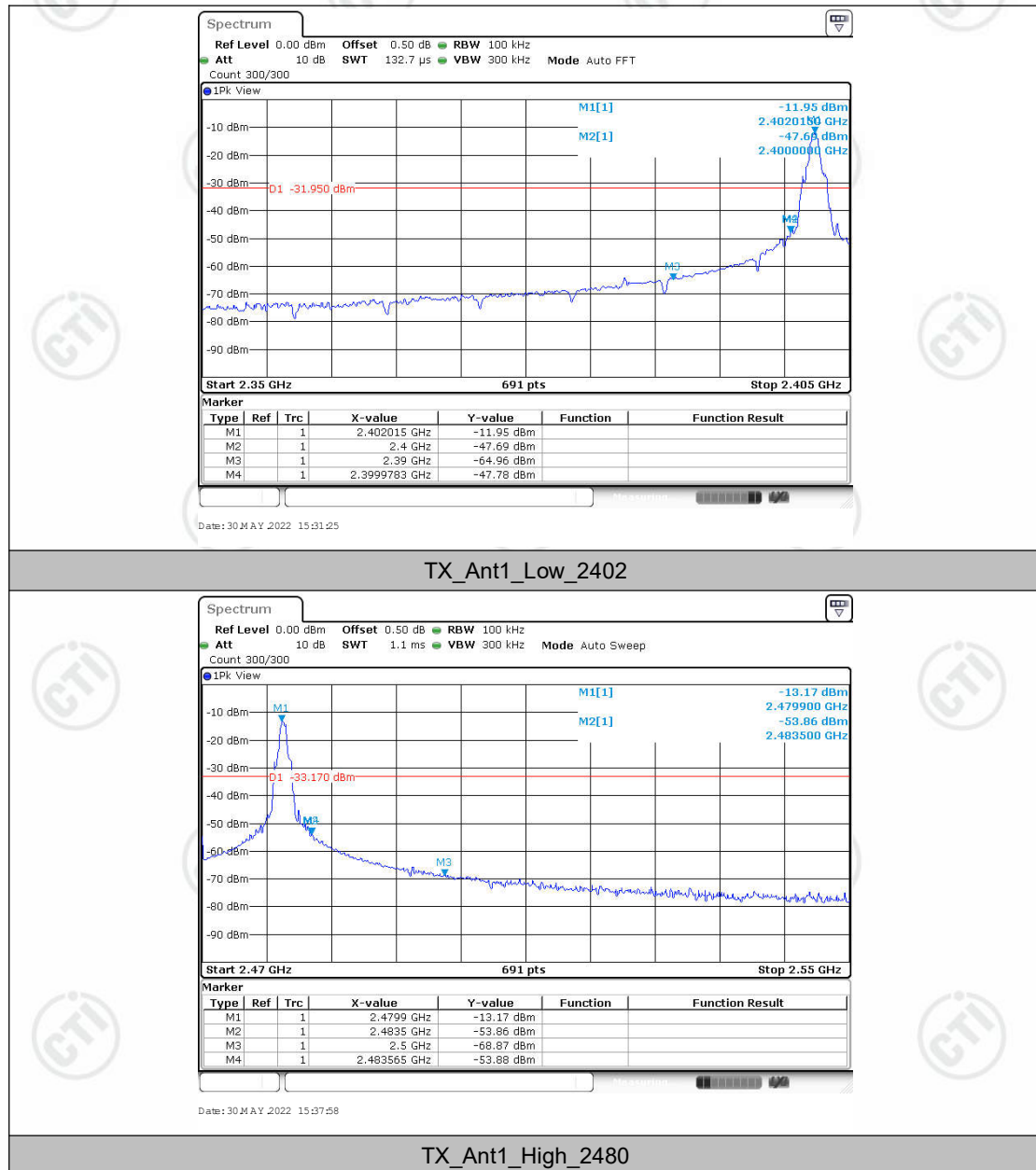


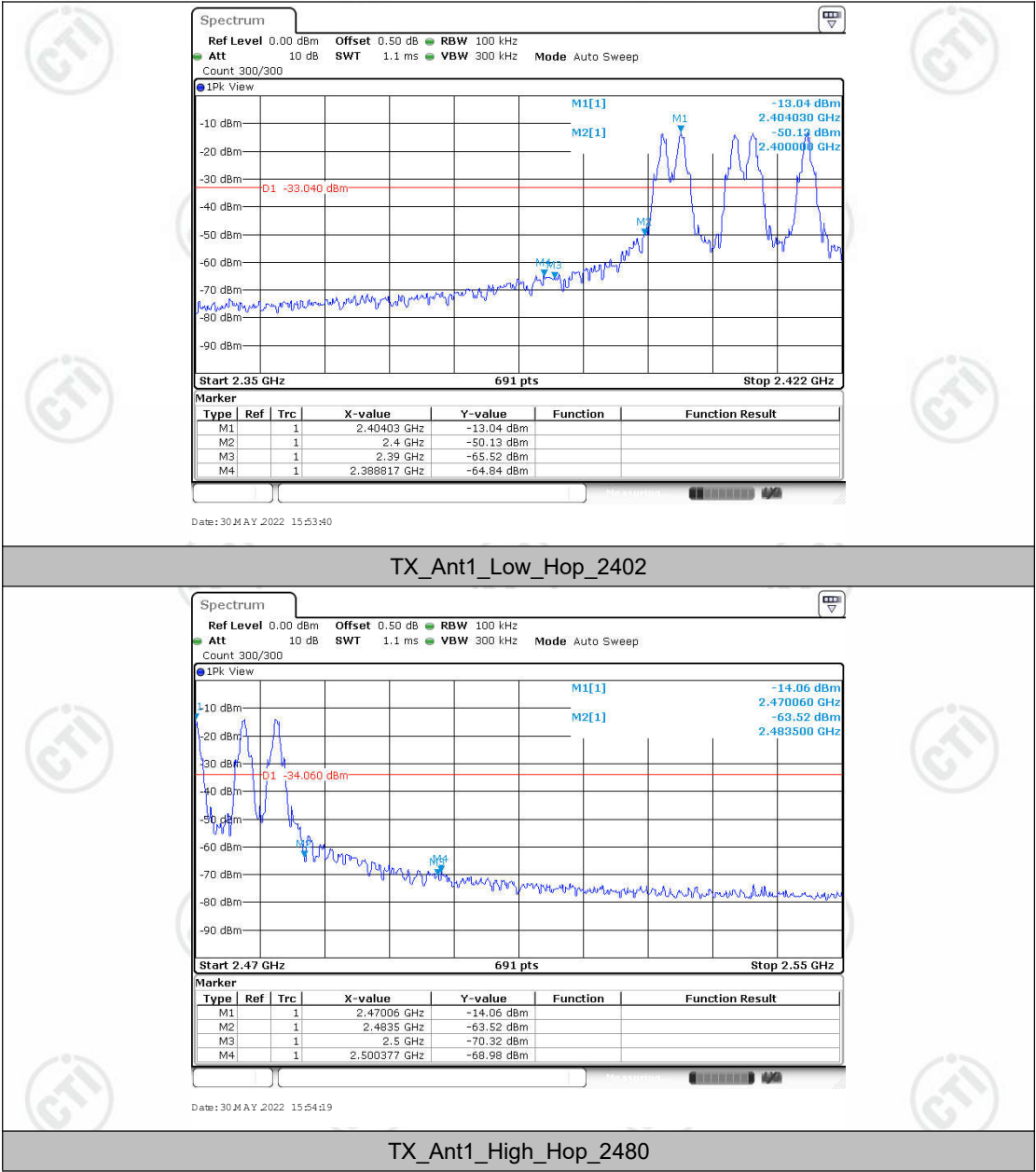
Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
TX	Ant1	Low	2402	-11.95	-47.78	<=-31.95	PASS
		High	2480	-13.17	-53.88	<=-33.17	PASS
		Low	Hop_2402	-13.04	-64.84	<=-33.04	PASS
		High	Hop_2480	-14.06	-68.98	<=-34.06	PASS

Test Graphs



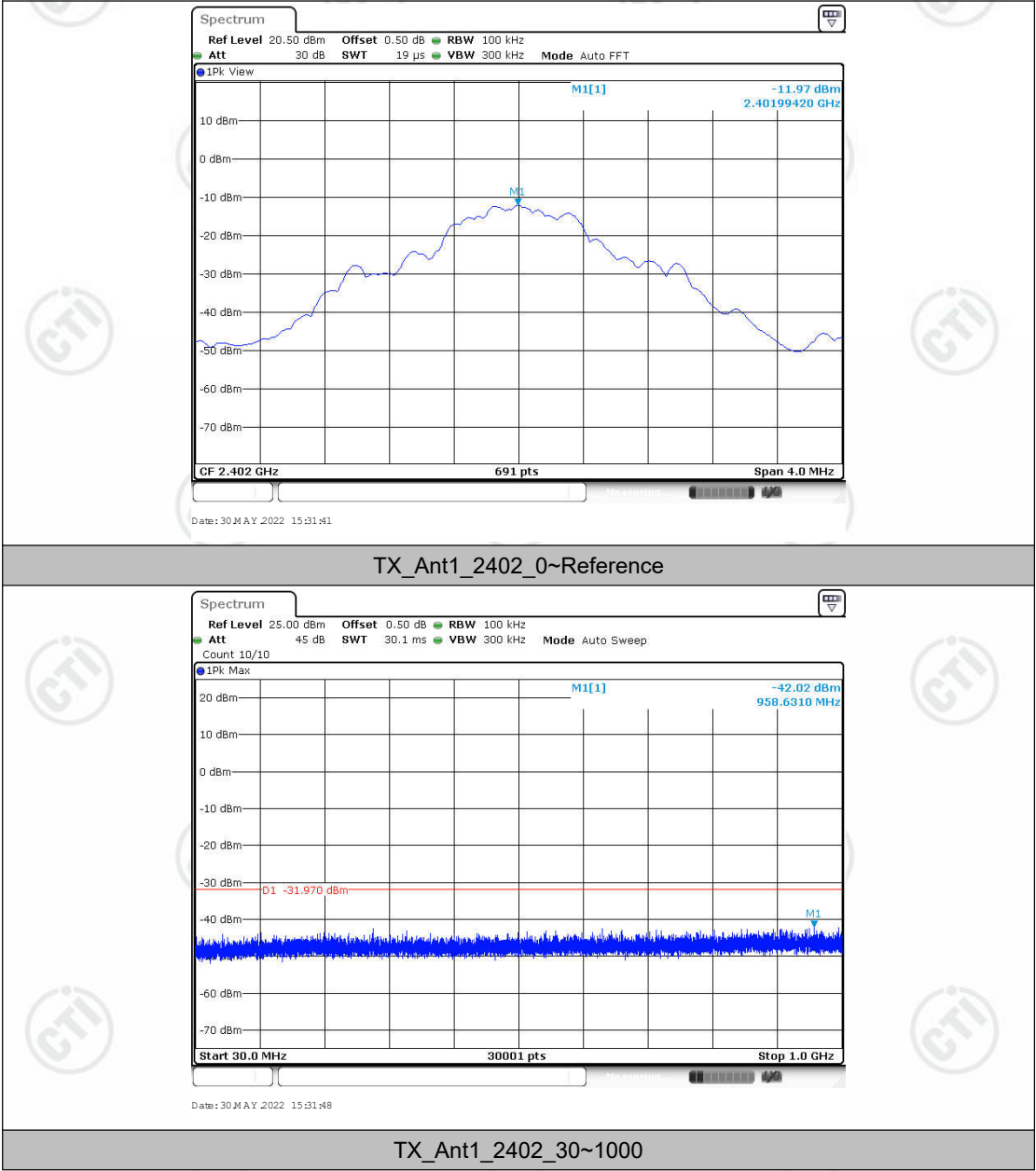


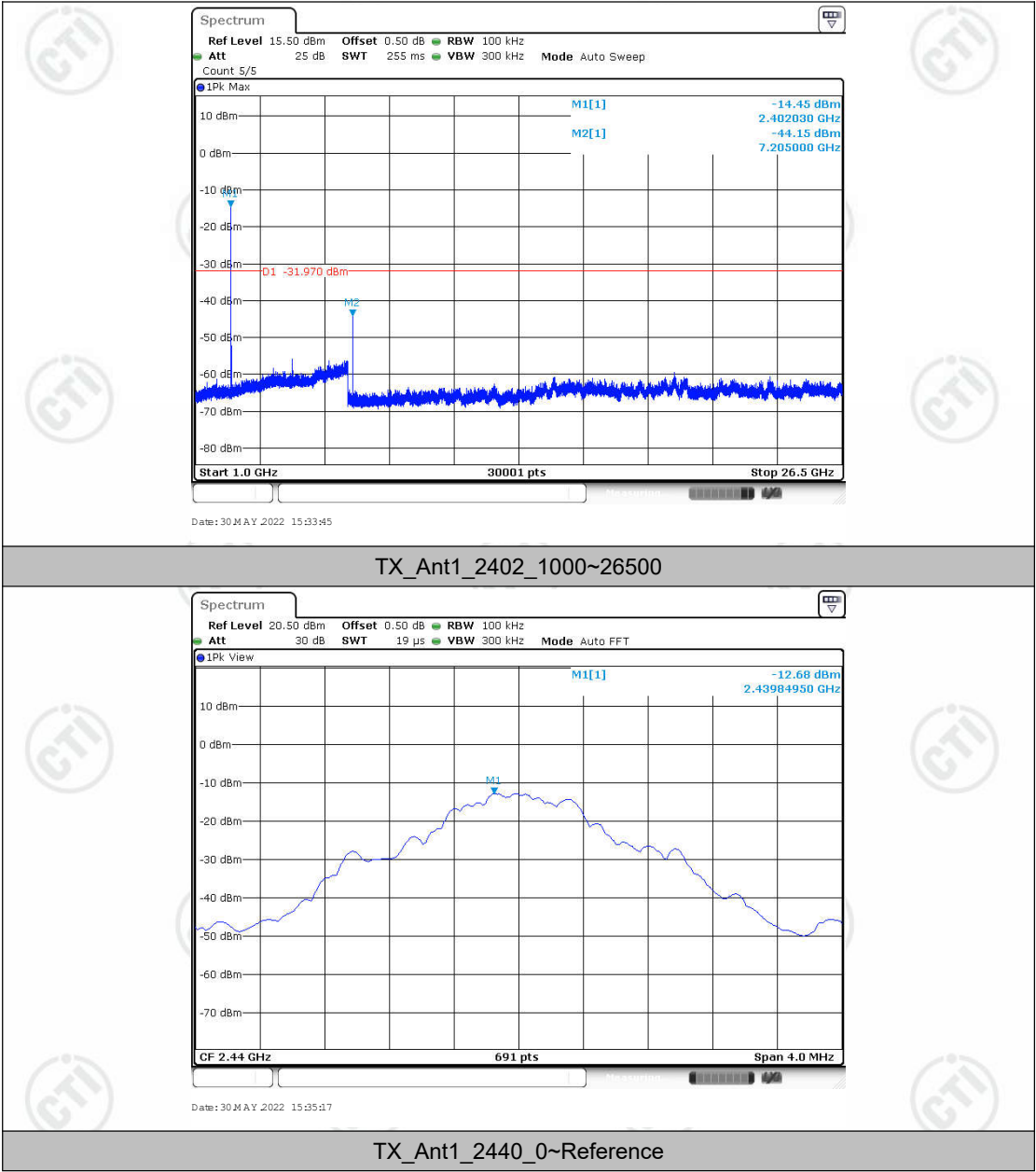
Appendix H: Conducted Spurious Emission

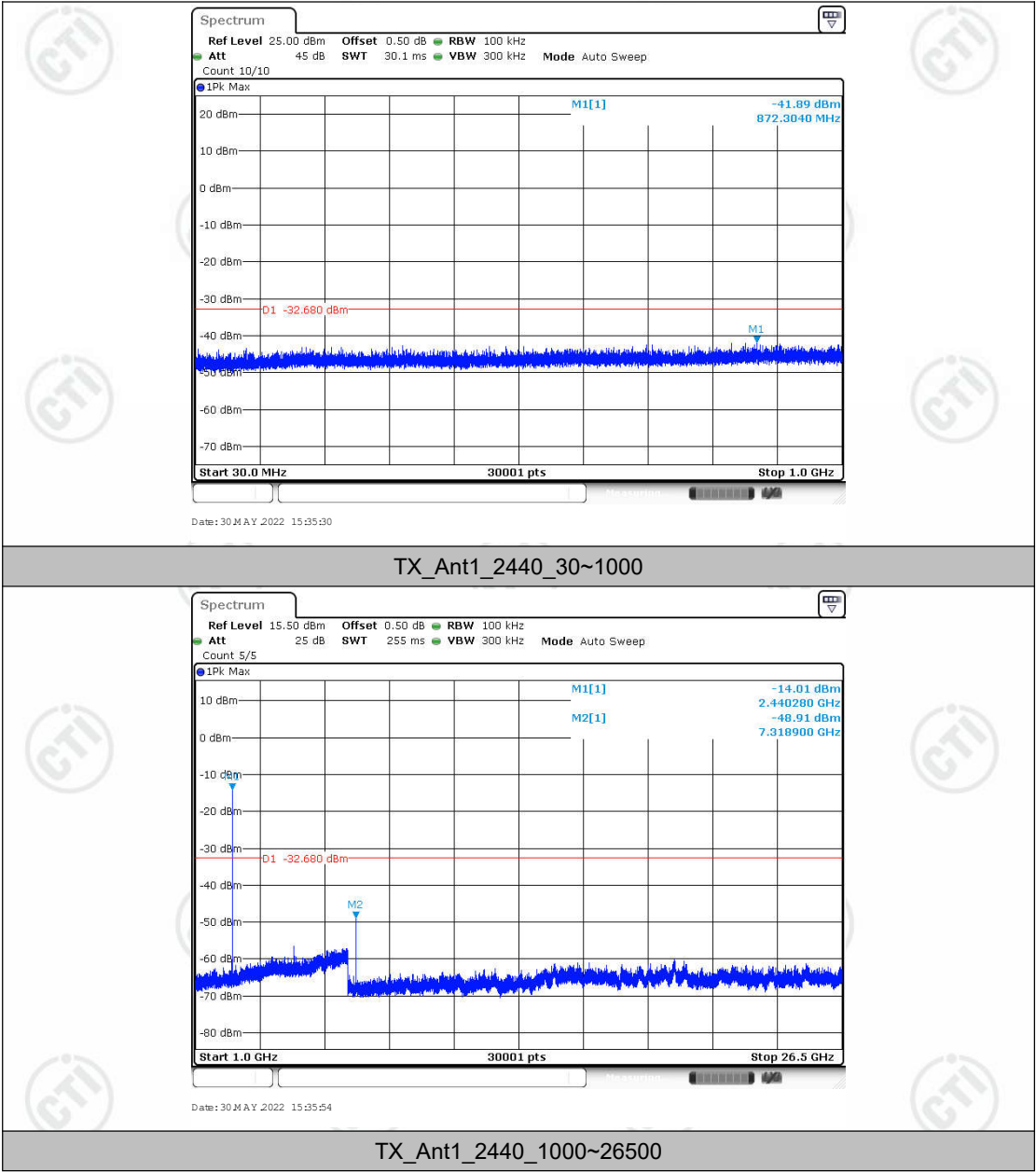
Test Result

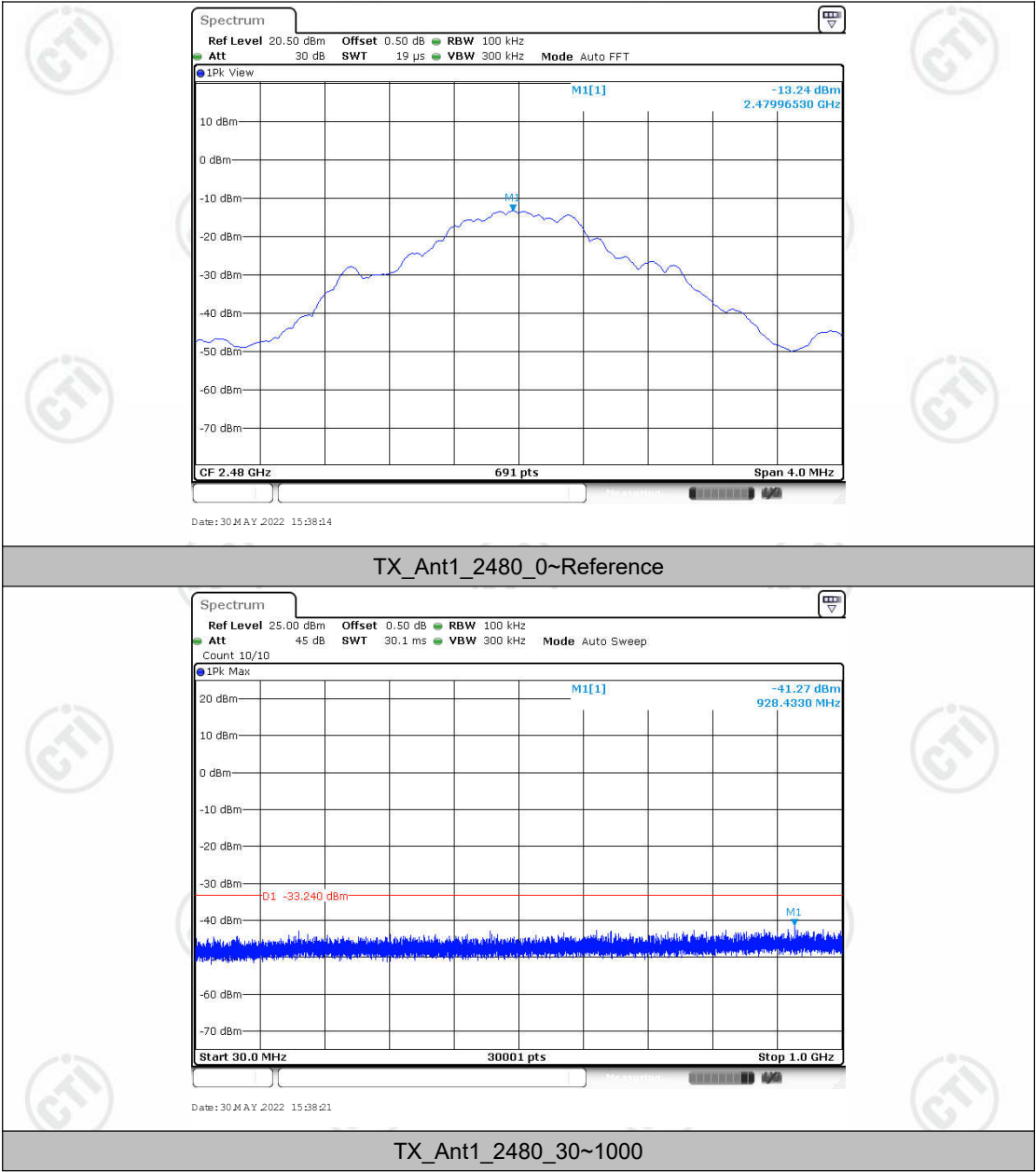
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
TX	Ant1	2402	Reference	-11.97	-11.97	---	PASS
			30~1000	---	-42.02	<=-31.97	PASS
			1000~26500	---	-44.15	<=-31.97	PASS
		2440	Reference	-12.68	-12.68	---	PASS
			30~1000	---	-41.89	<=-32.68	PASS
			1000~26500	---	-48.91	<=-32.68	PASS
		2480	Reference	-13.24	-13.24	---	PASS
			30~1000	---	-41.27	<=-33.24	PASS
			1000~26500	---	-55.72	<=-33.24	PASS

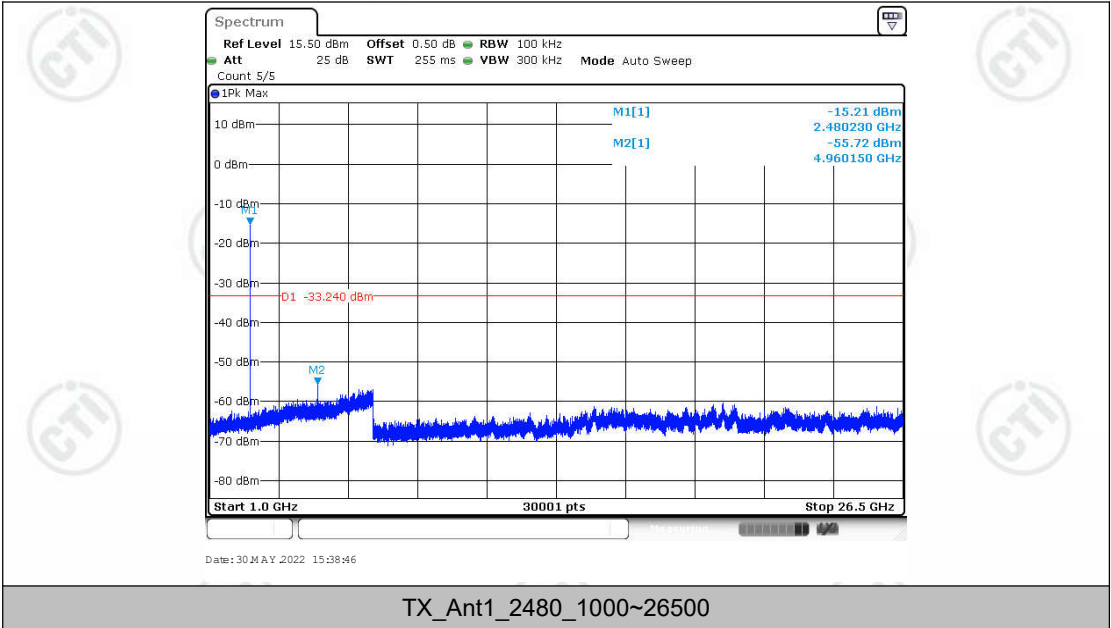
Test Graphs









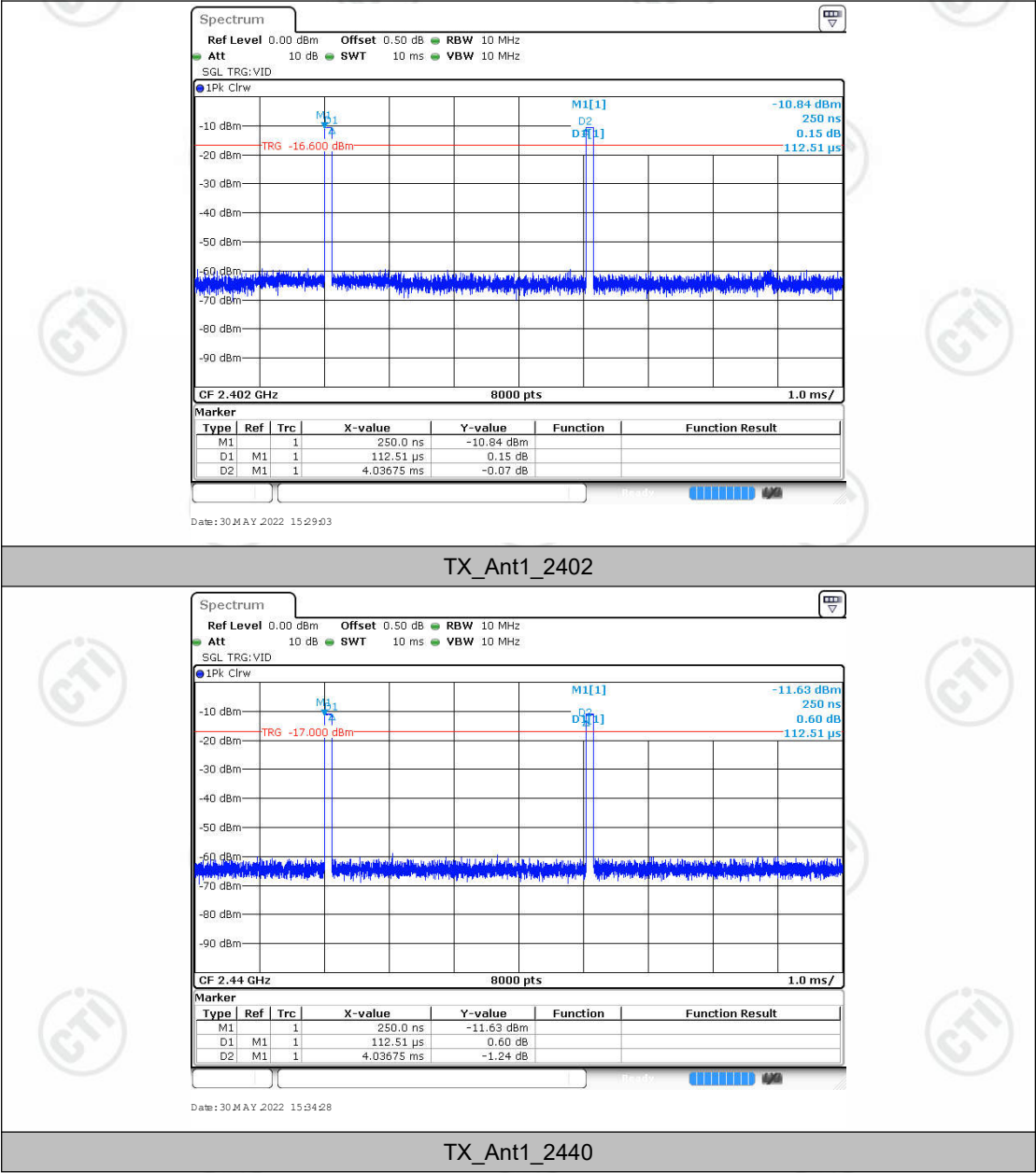


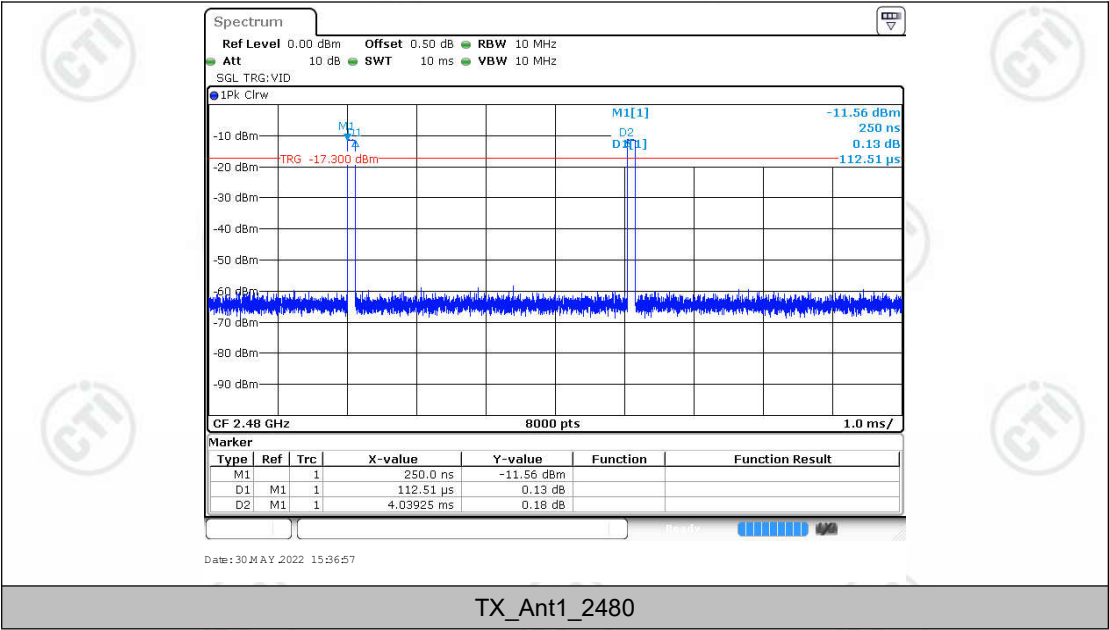
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
TX	Ant1	2402	0.11	4.04	2.72	---	PASS
		2440	0.11	4.04	2.72	---	PASS
		2480	0.11	4.04	2.72	---	PASS

Test Graphs





*** End of Report ***