

Appendix: 915MHz

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.....	19
Test Result.....	19
Test Graphs.....	20
Appendix G: Band edge measurements.....	21
Test Result.....	21
Test Graphs.....	22
Appendix H: Conducted Spurious Emission.....	24
Test Result.....	24
Test Graphs.....	25
Appendix I: Duty Cycle.....	30
Test Result.....	30
Test Graphs.....	31

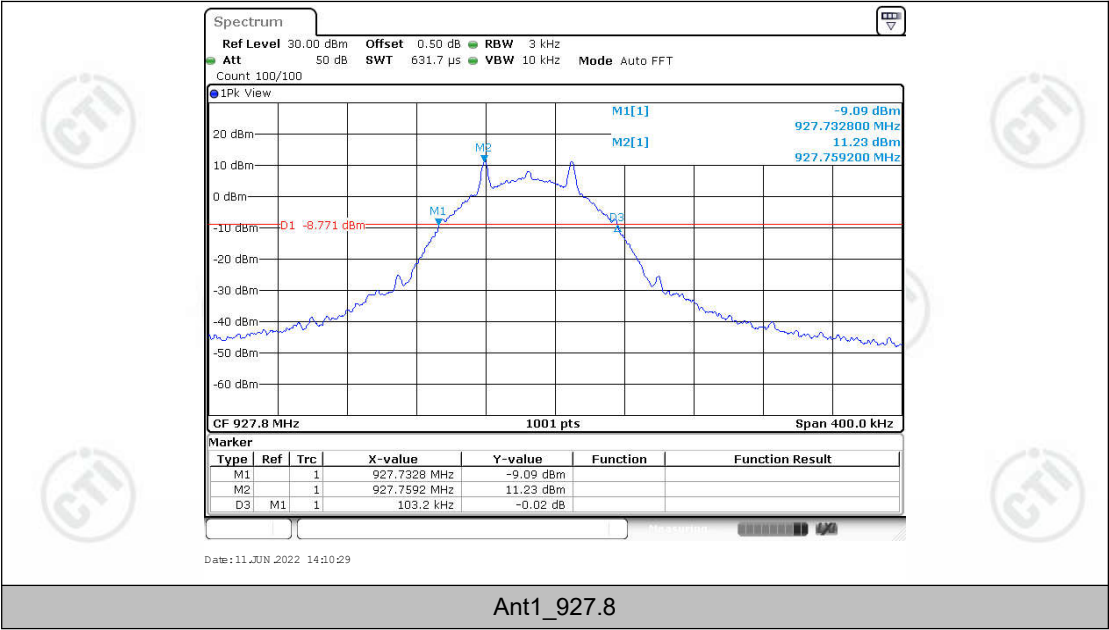
Appendix A: 20dB Emission Bandwidth

Test Result

Antenna	Channel[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
Ant1	915.2	0.102	915.134	915.236	---	PASS
	921.4	0.102	921.334	921.436	---	PASS
	927.8	0.103	927.733	927.836	---	PASS

Test Graphs



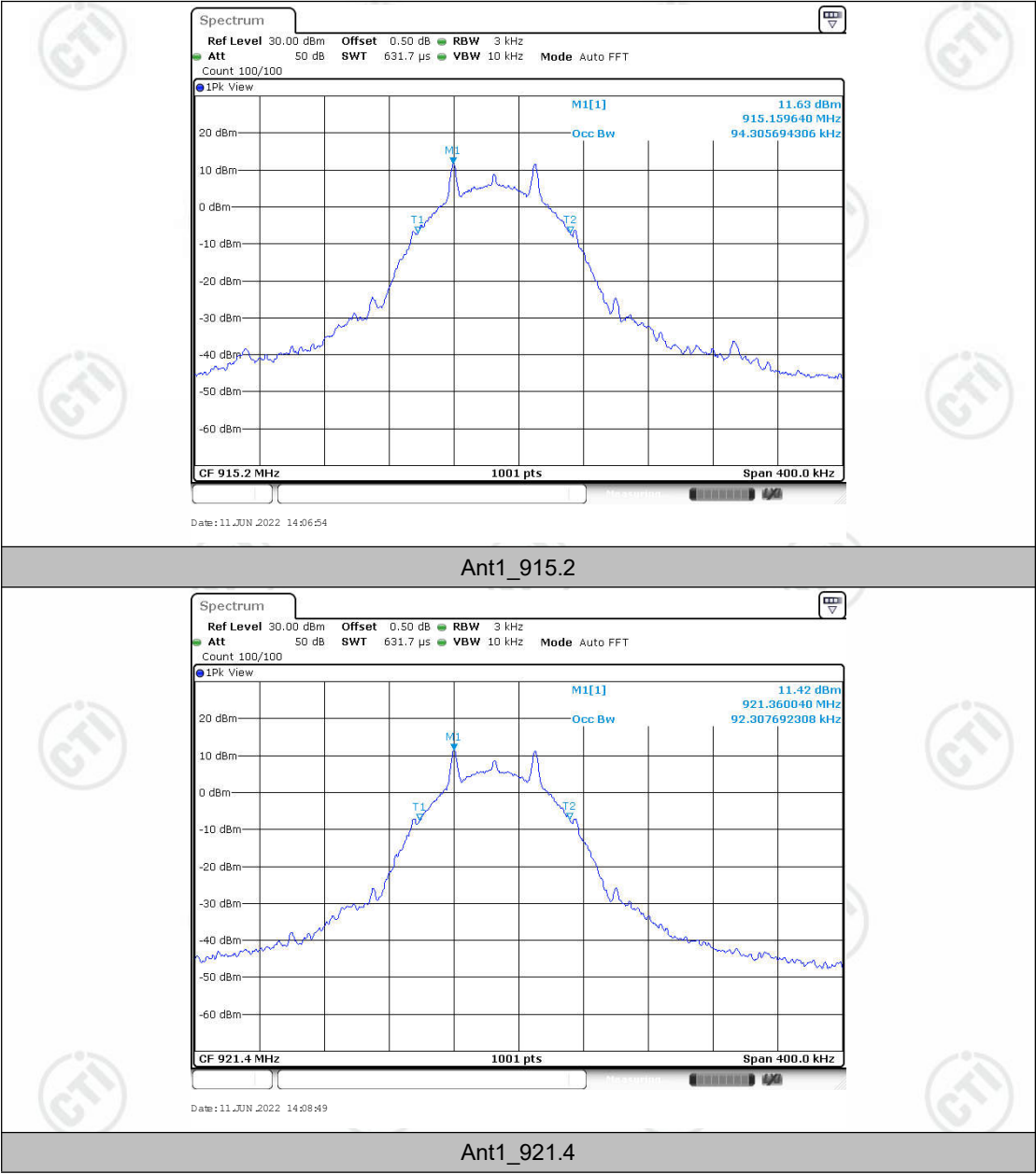


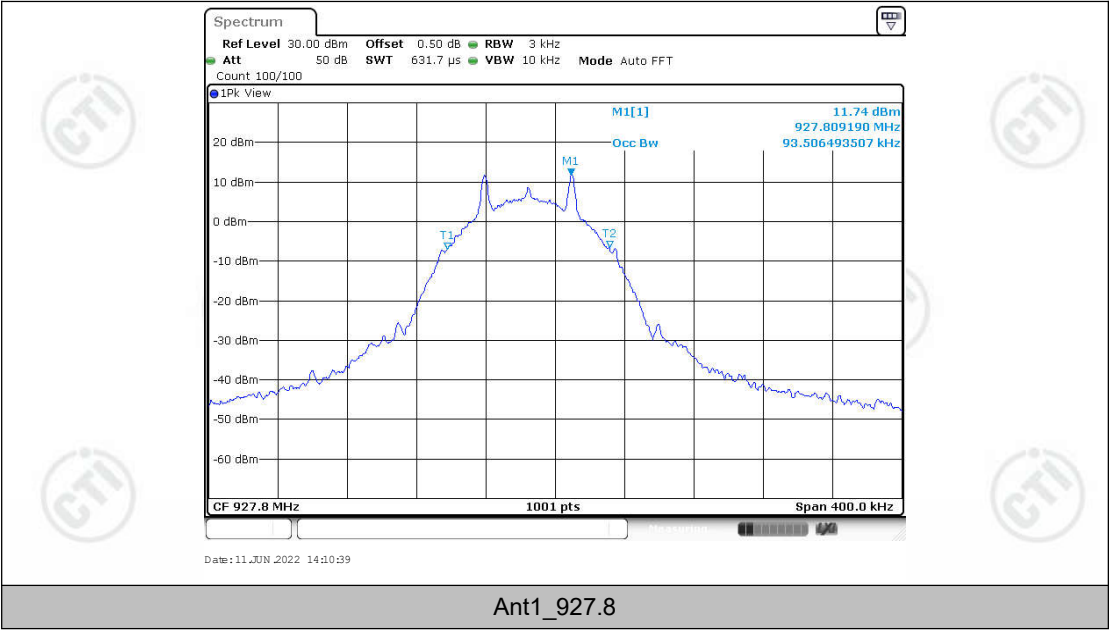
Appendix B: Occupied Channel Bandwidth

Test Result

Antenna	Channel[MHz]	OCB[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
Ant1	915.2	0.094	915.138	915.232	---	PASS
	921.4	0.092	921.339	921.431	---	PASS
	927.8	0.094	927.738	927.831	---	PASS

Test Graphs



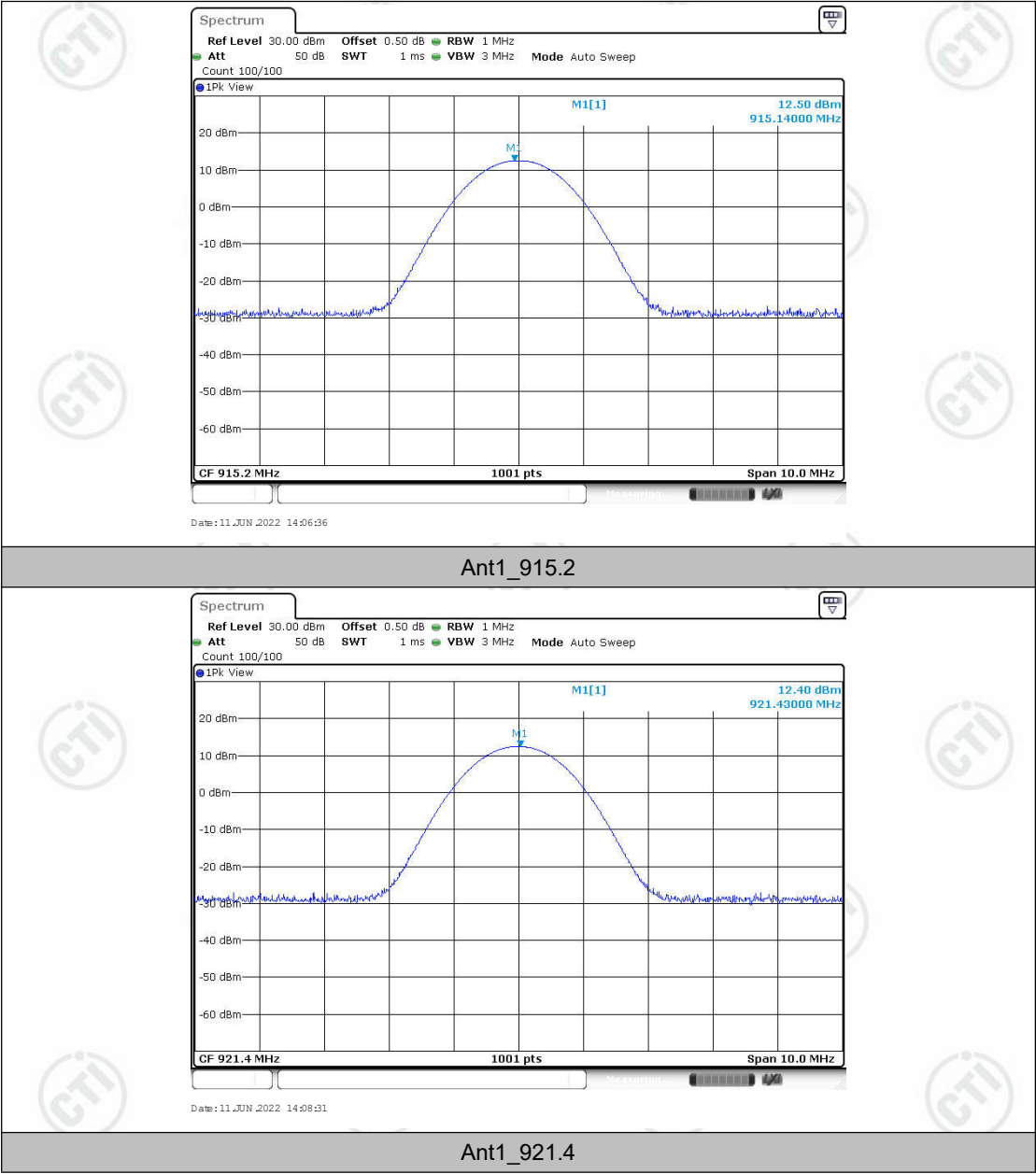


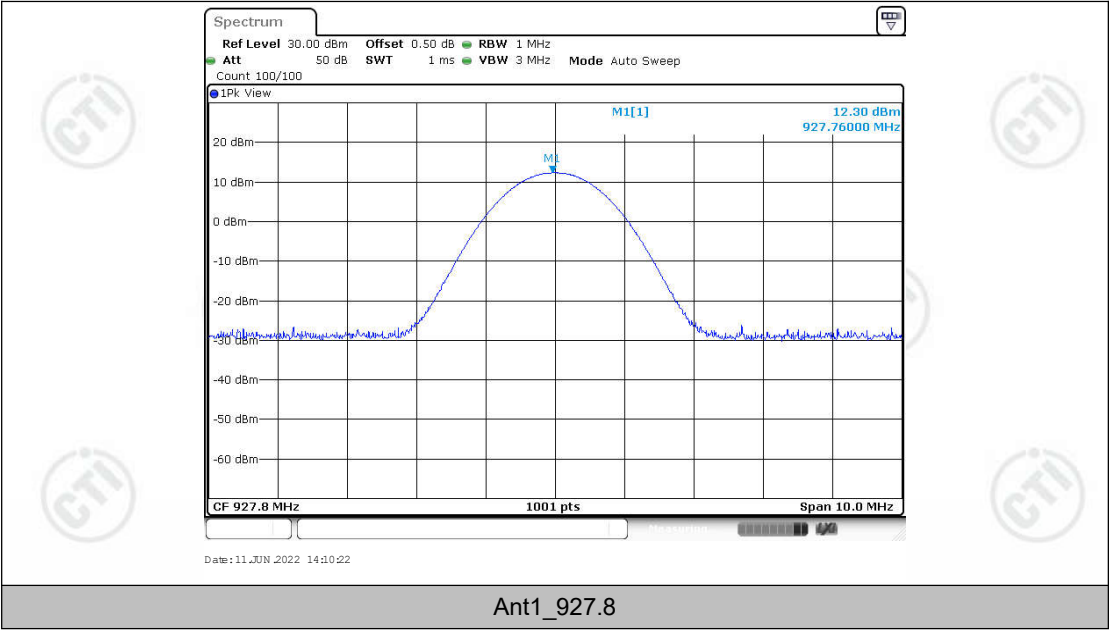
Appendix C: Maximum conducted output power

Test Result

Antenna	Channel[MHz]	Result[dBm]	Limit[dBm]	Verdict
Ant1	915.2	12.5	<=30	PASS
	921.4	12.4	<=30	PASS
	927.8	12.3	<=30	PASS

Test Graphs



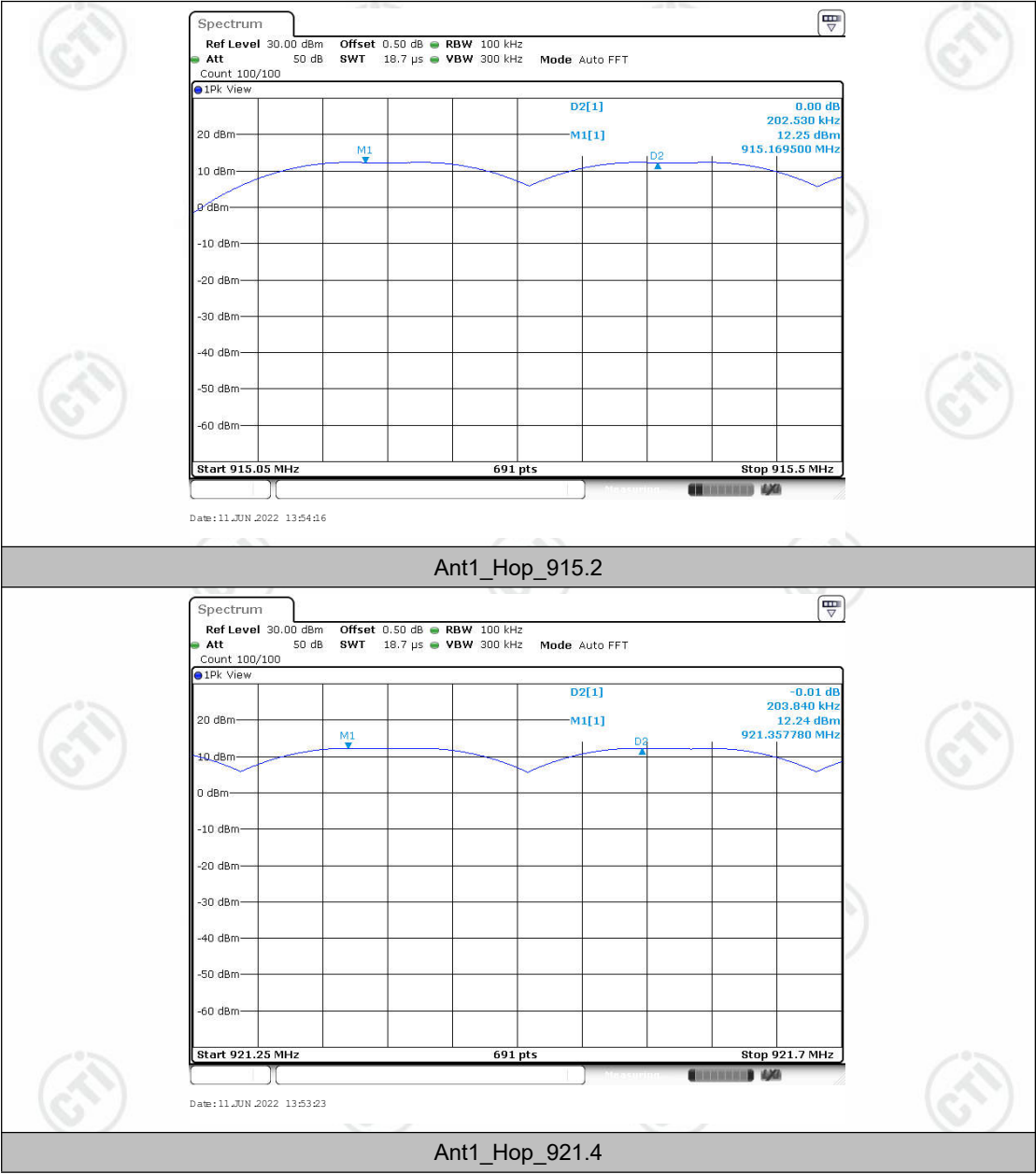


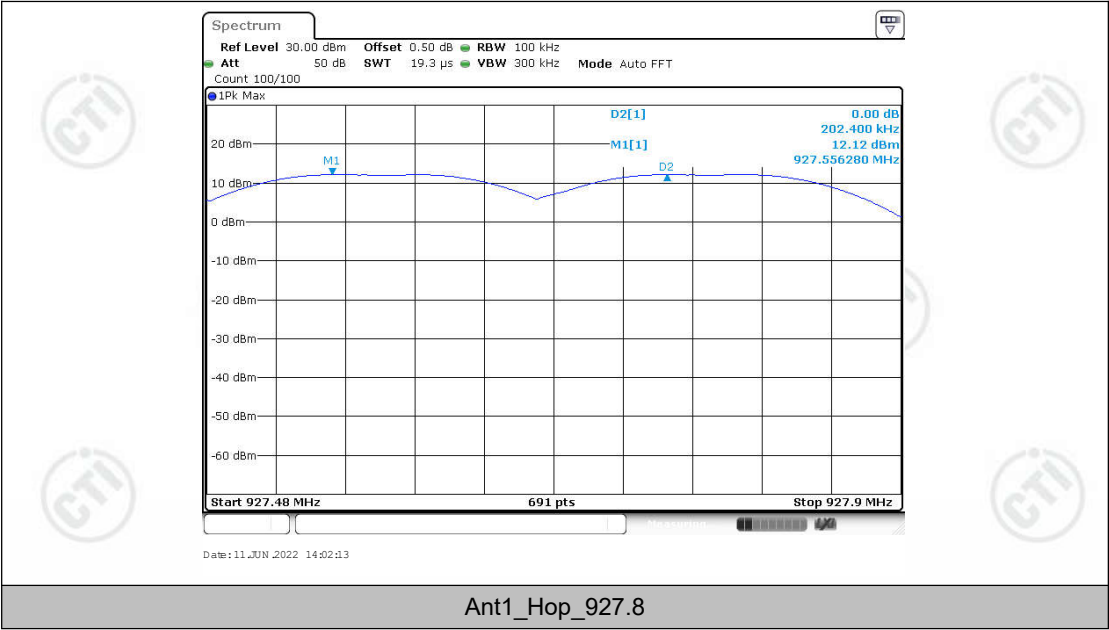
Appendix D: Carrier frequency separation

Test Result

Antenna	Channel[MHz]	Result[kHz]	Limit[kHz]	Verdict
Ant1	Hop_915.2	202.53	>=102.4	Verdict
Ant1	Hop_921.4	203.84	>=102.4	Verdict
Ant1	Hop_927.8	202.40	>=103.2	Verdict

Test Graphs



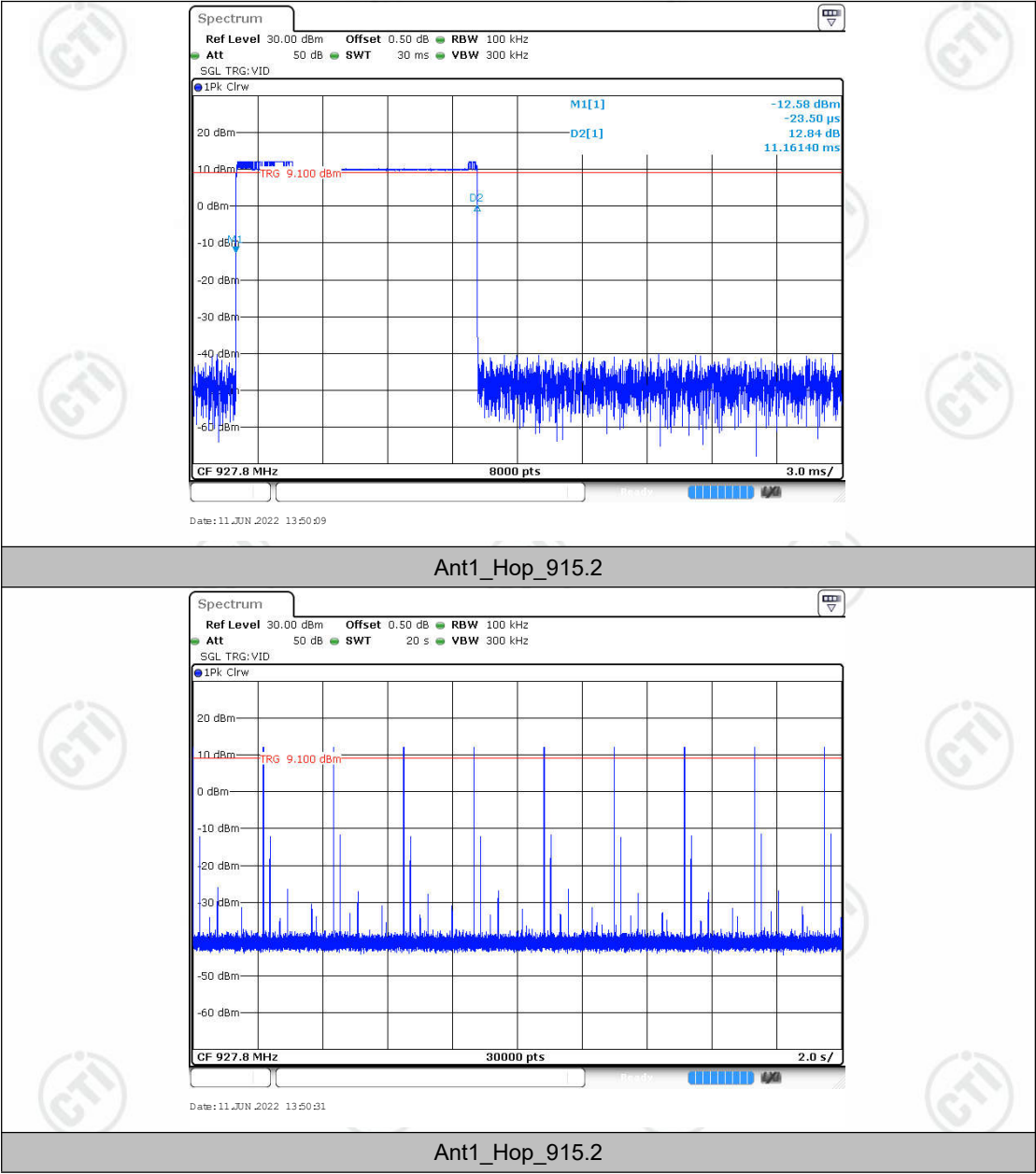


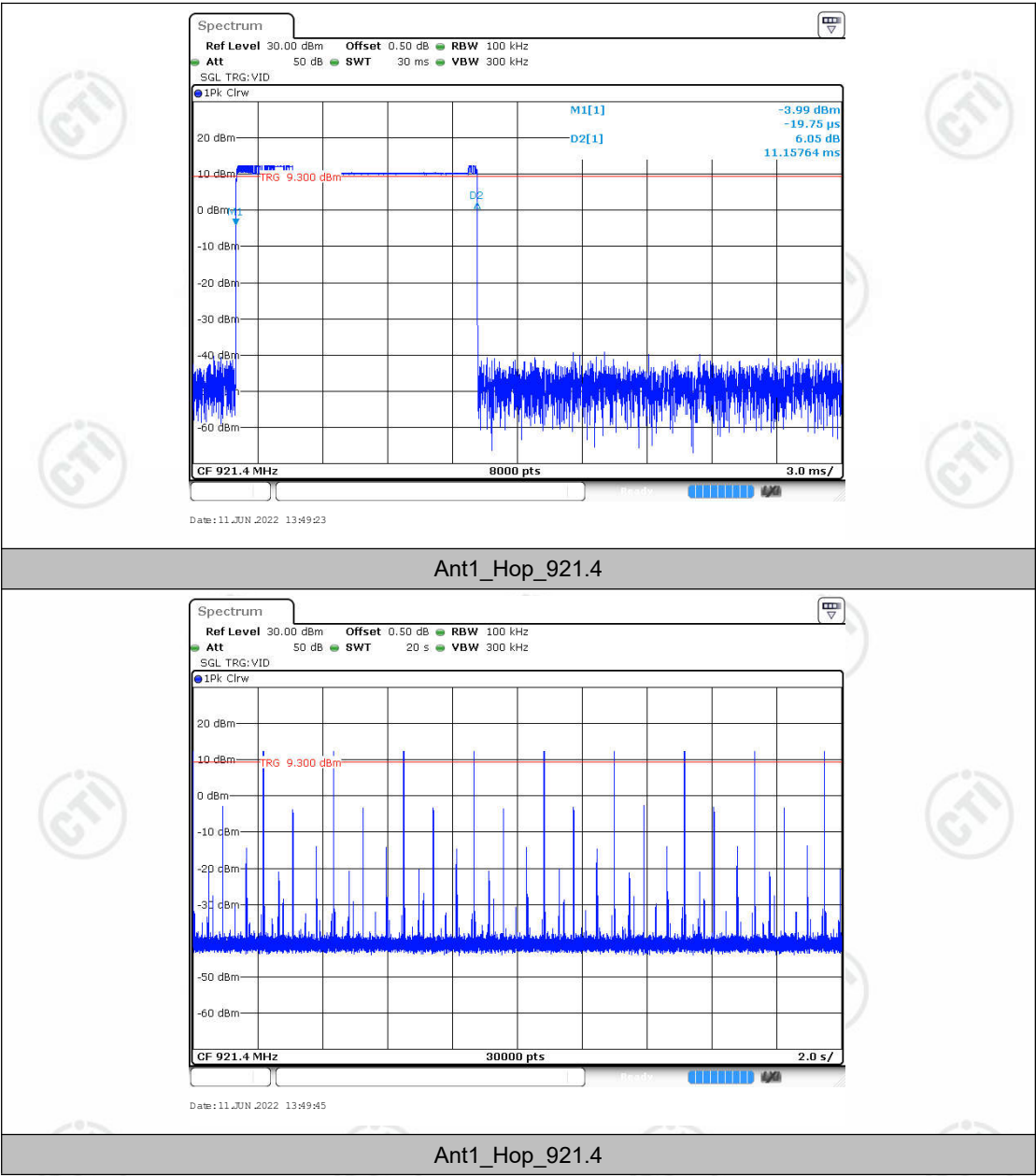
Appendix E: Time of occupancy

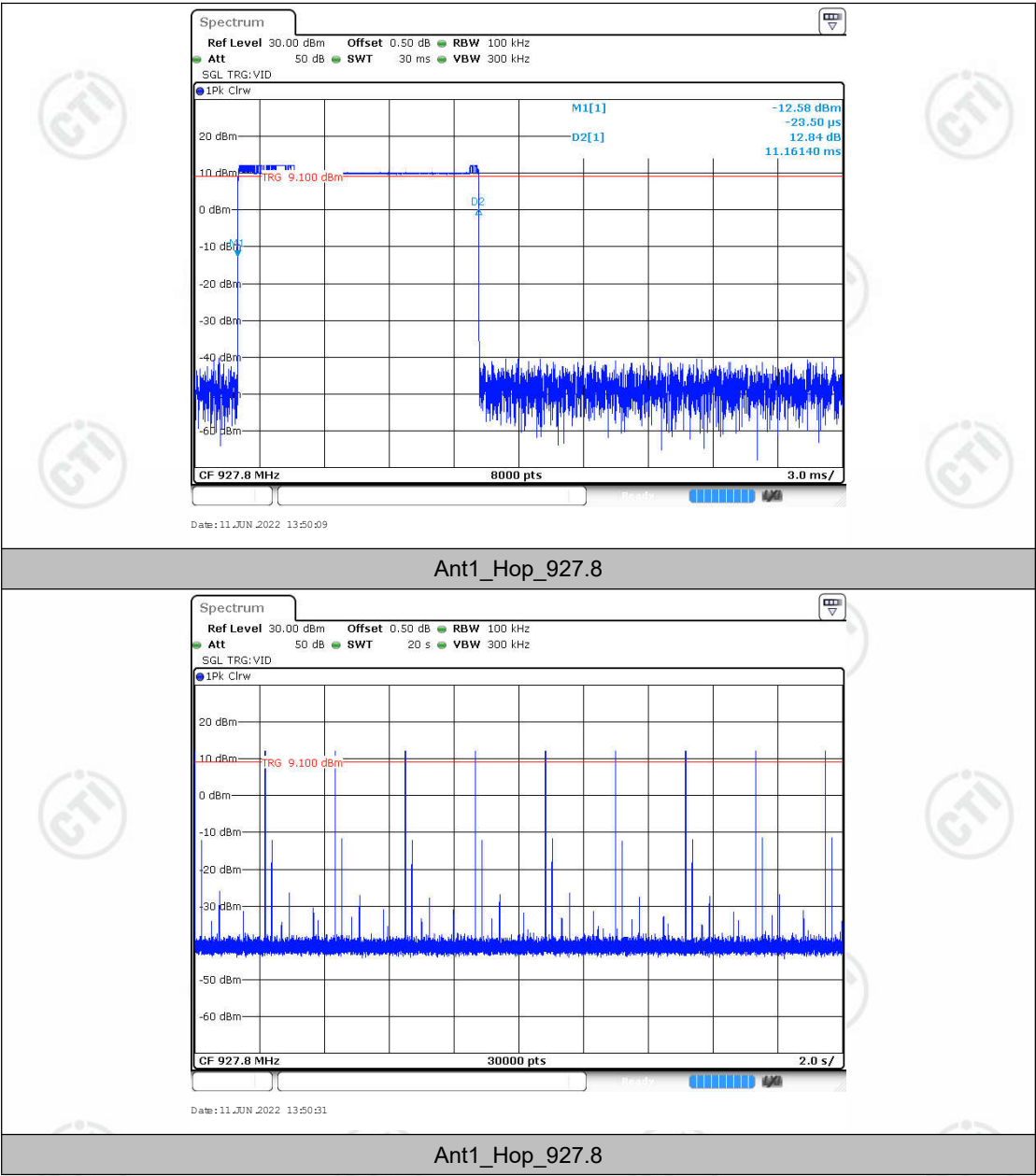
Test Result

Antenna	Channel[MHz]	Burst Width[ms]	Total Hops[Num]	Result[ms]	Limit[ms]	Verdict
Ant1	Hop_915.2	11.16	9	100.44	<=400	PASS
Ant1	Hop_921.4	11.16	9	100.44	<=400	PASS
Ant1	Hop_927.8	11.16	9	100.44	<=400	PASS

Test Graphs





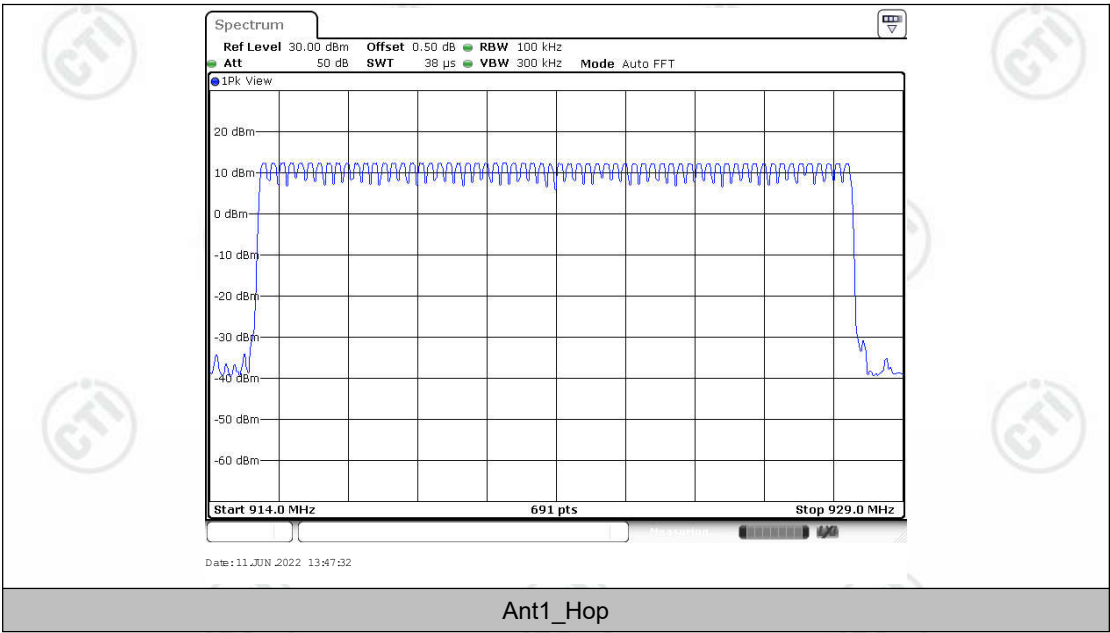


Appendix F: Number of hopping channels

Test Result

Antenna	Channel	Result[Num]	Limit[Num]	Verdict
Ant1	Hop	64	>=50	PASS

Test Graphs

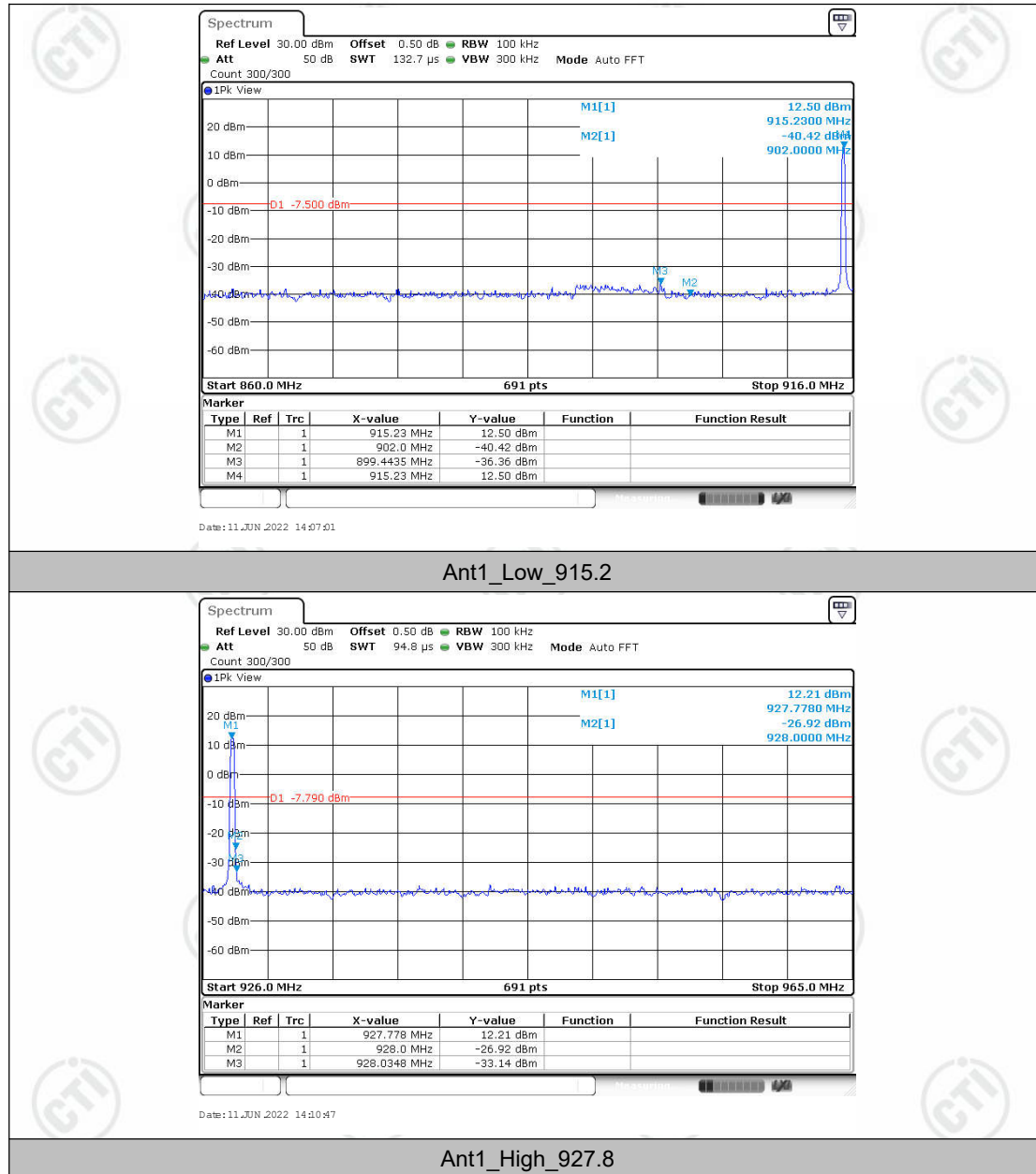


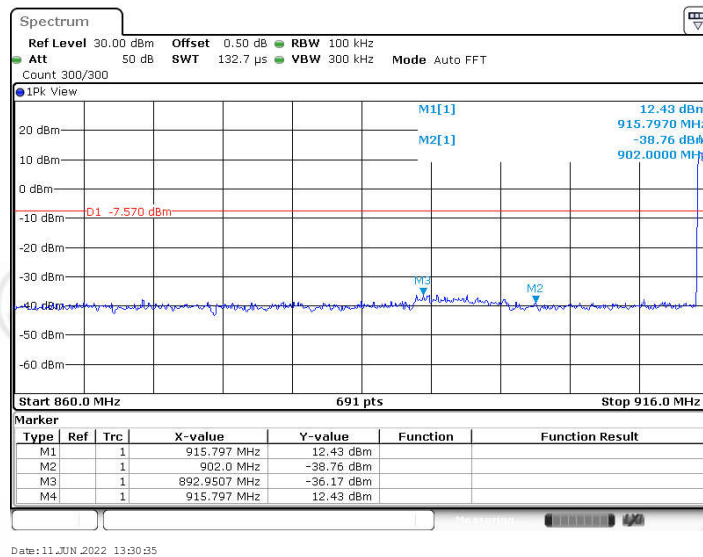
Appendix G: Band edge measurements

Test Result

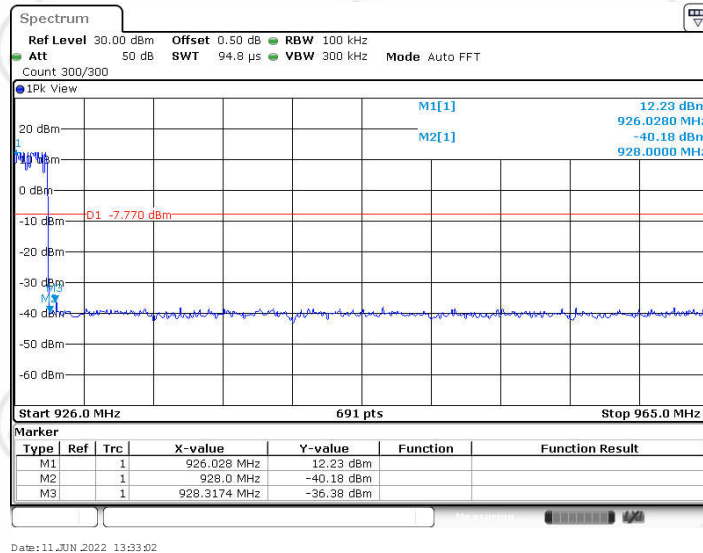
Antenna	Ch Name	Channel[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
Ant1	Low	915.2	12.50	-36.36	<=-7.5	PASS
	High	927.8	12.21	-33.14	<=-7.79	PASS
	Low	Hop_915.2	12.43	-36.17	<=-7.57	PASS
	High	Hop_927.8	12.23	-36.38	<=-7.77	PASS

Test Graphs





Ant1_High_Hop_915.2



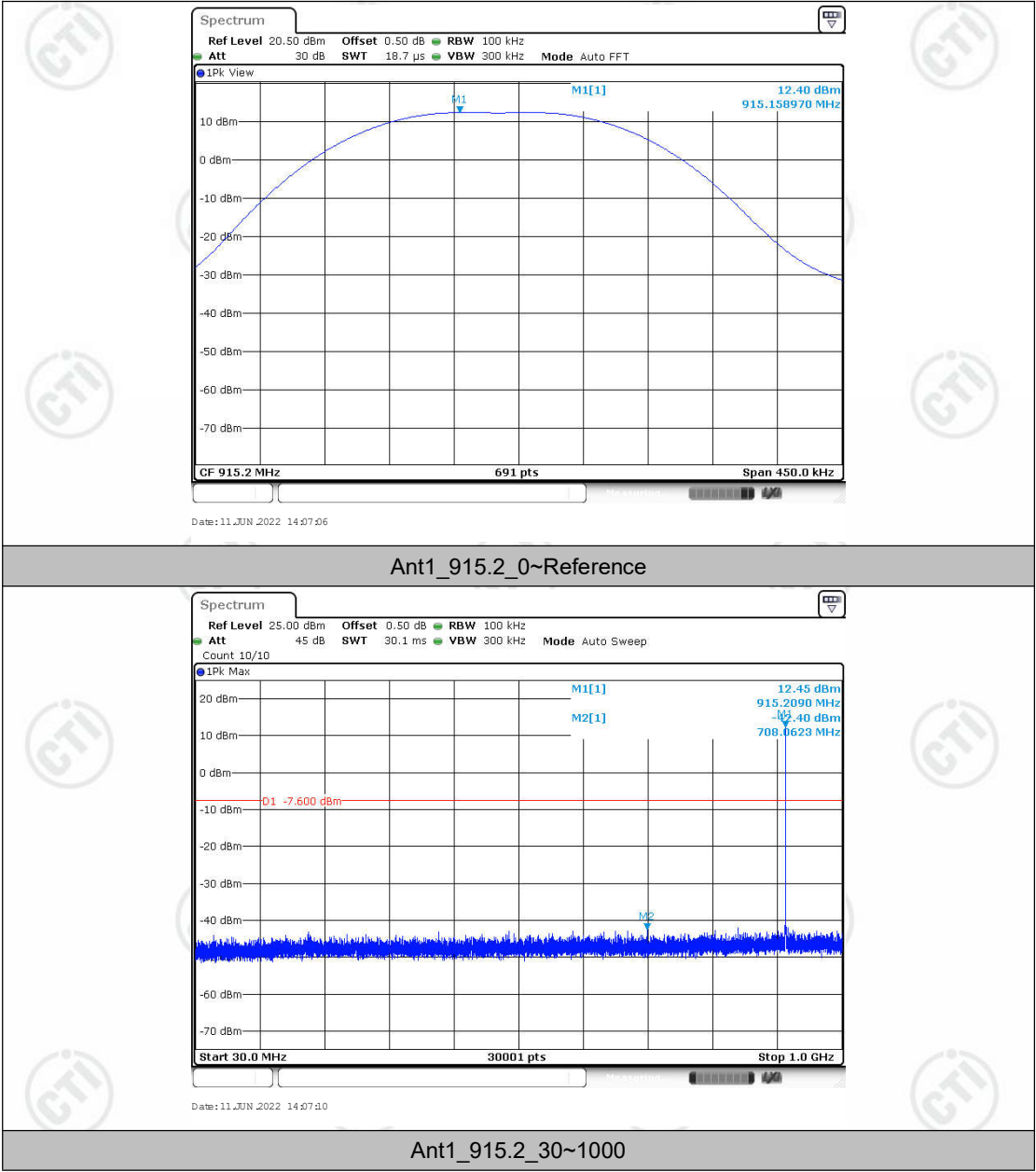
Ant1_High_Hop_927.8

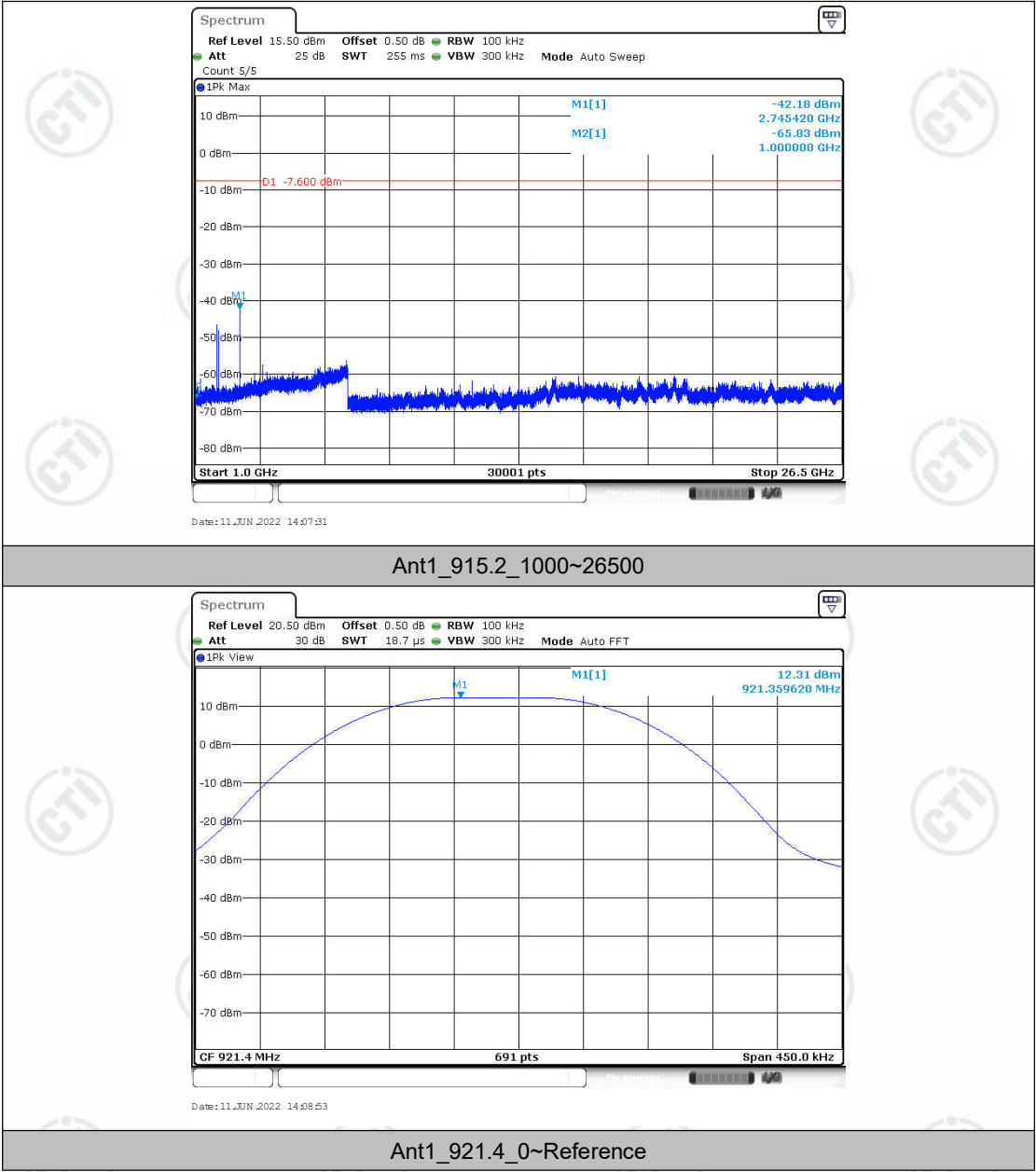
Appendix H: Conducted Spurious Emission

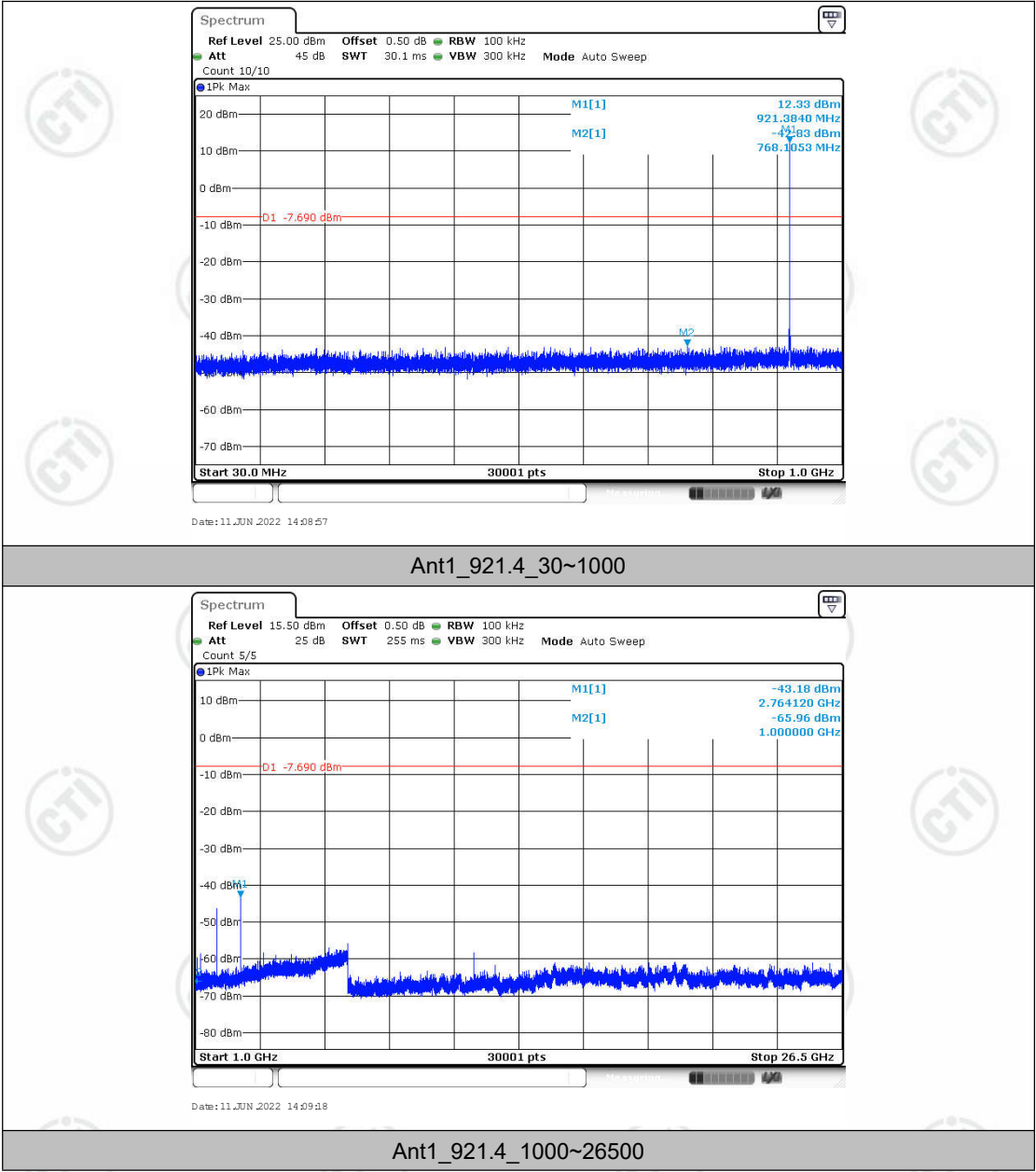
Test Result

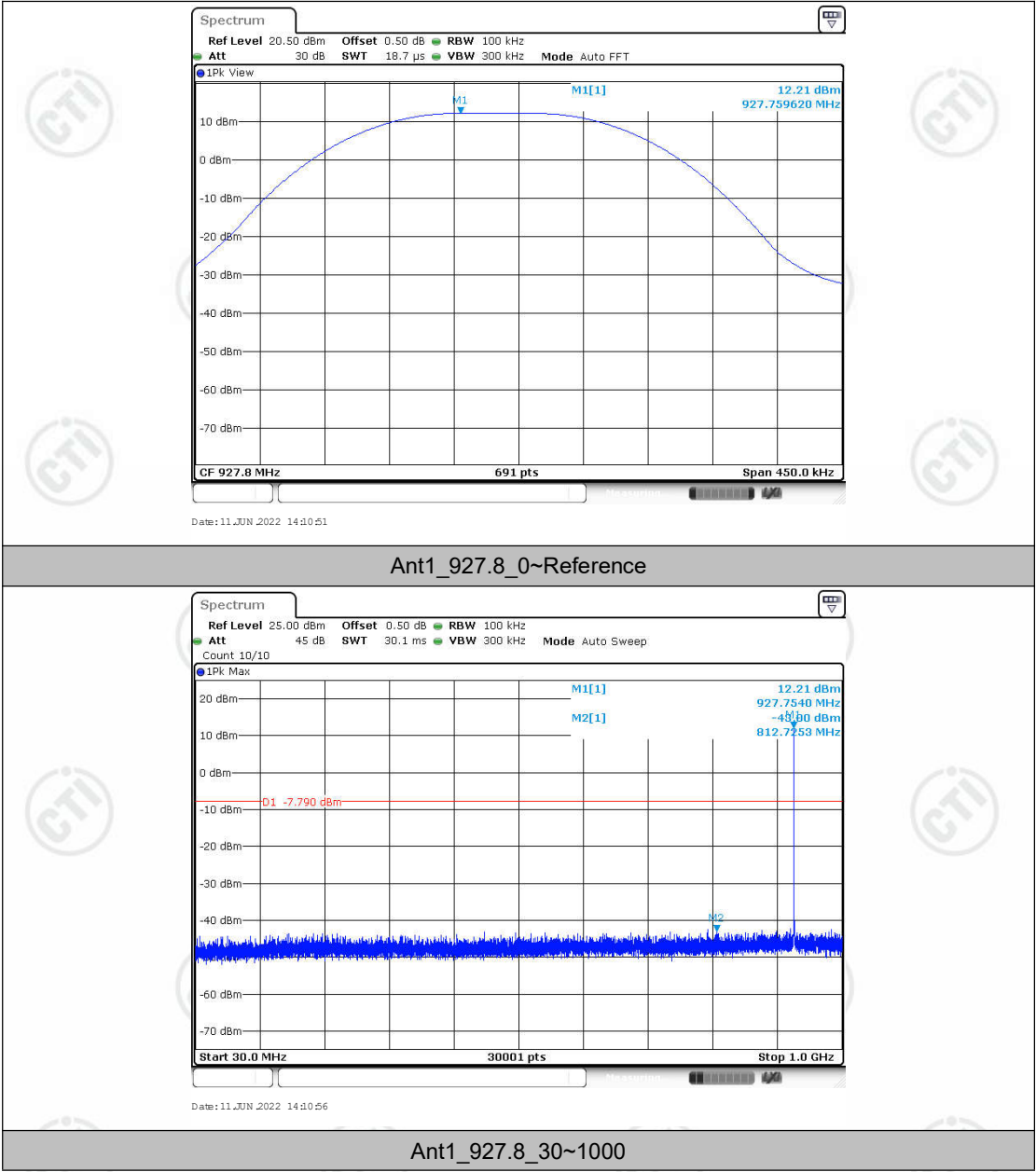
Antenna	Channel[MHz]	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
Ant1	915.2	Reference	12.40	12.40	---	PASS
		30~1000	12.40	-42.4	<=-7.6	PASS
		1000~26500	12.40	-42.18	<=-7.6	PASS
	921.4	Reference	12.31	12.31	---	PASS
		30~1000	12.31	-42.83	<=-7.69	PASS
		1000~26500	12.31	-43.18	<=-7.69	PASS
	927.8	Reference	12.21	12.21	---	PASS
		30~1000	12.21	-43	<=-7.79	PASS
		1000~26500	12.21	-44.05	<=-7.79	PASS

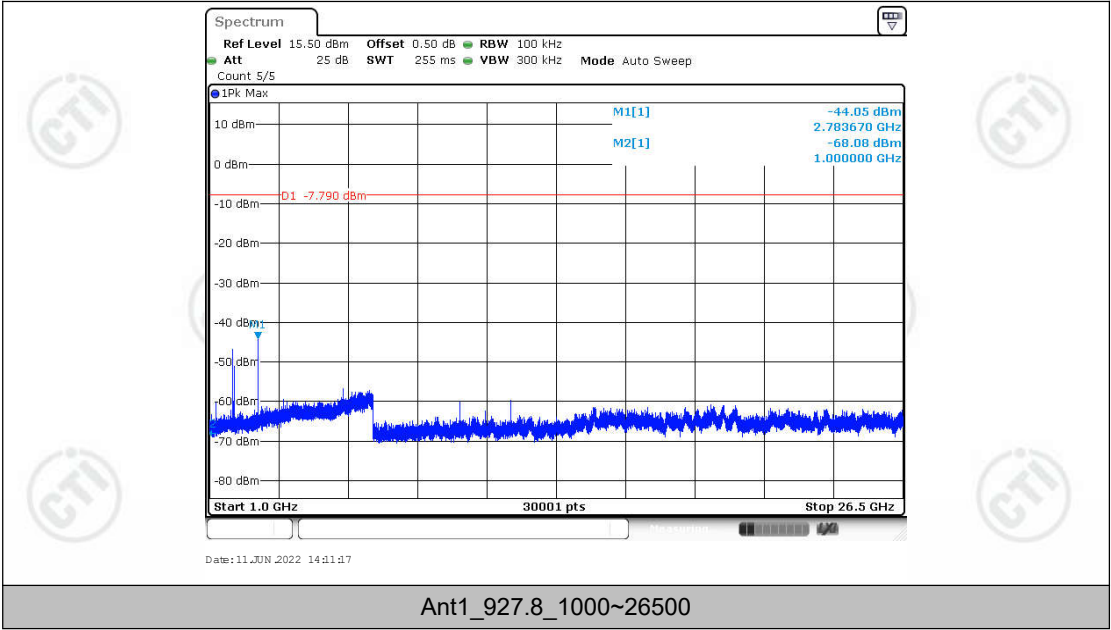
Test Graphs









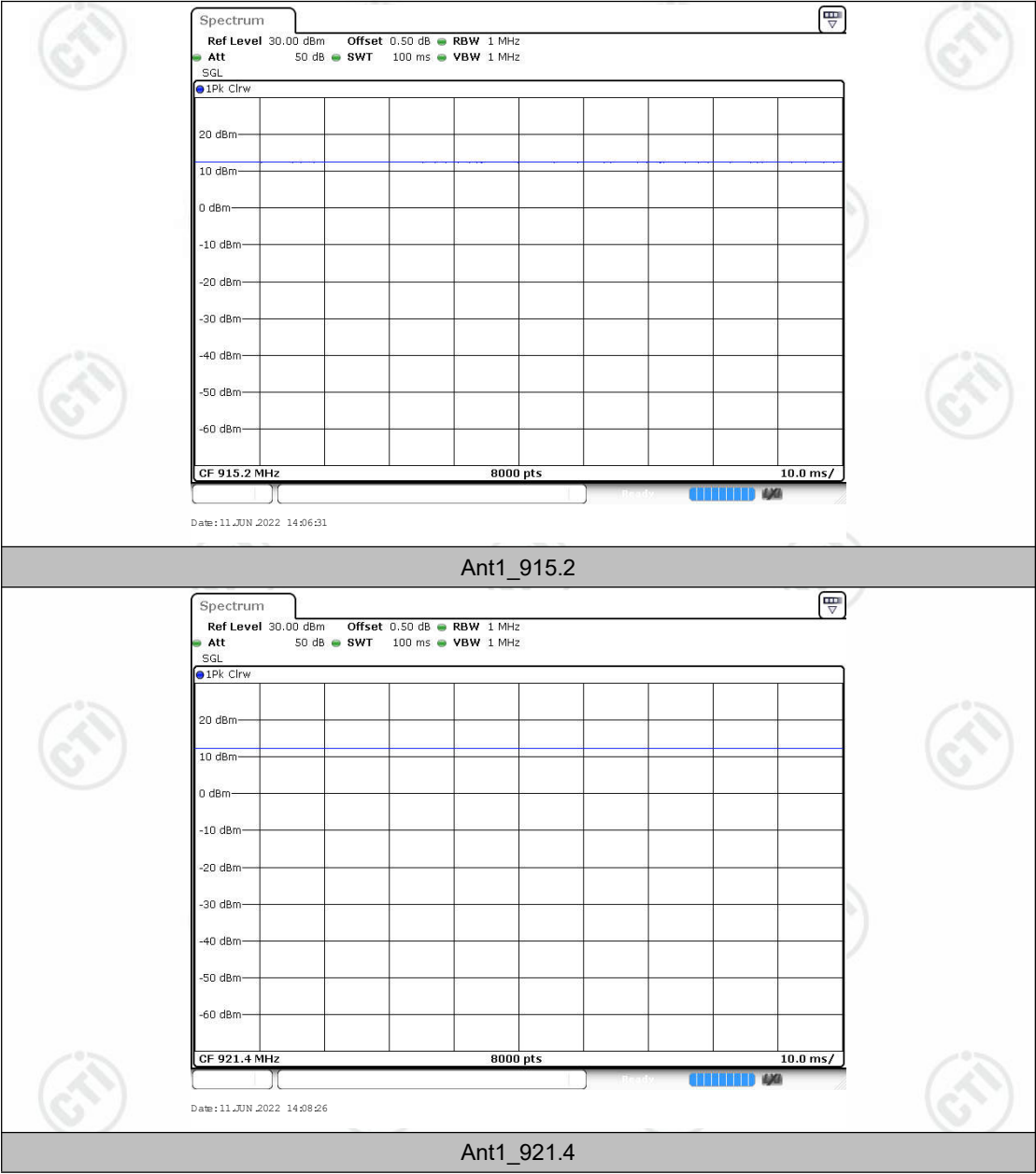


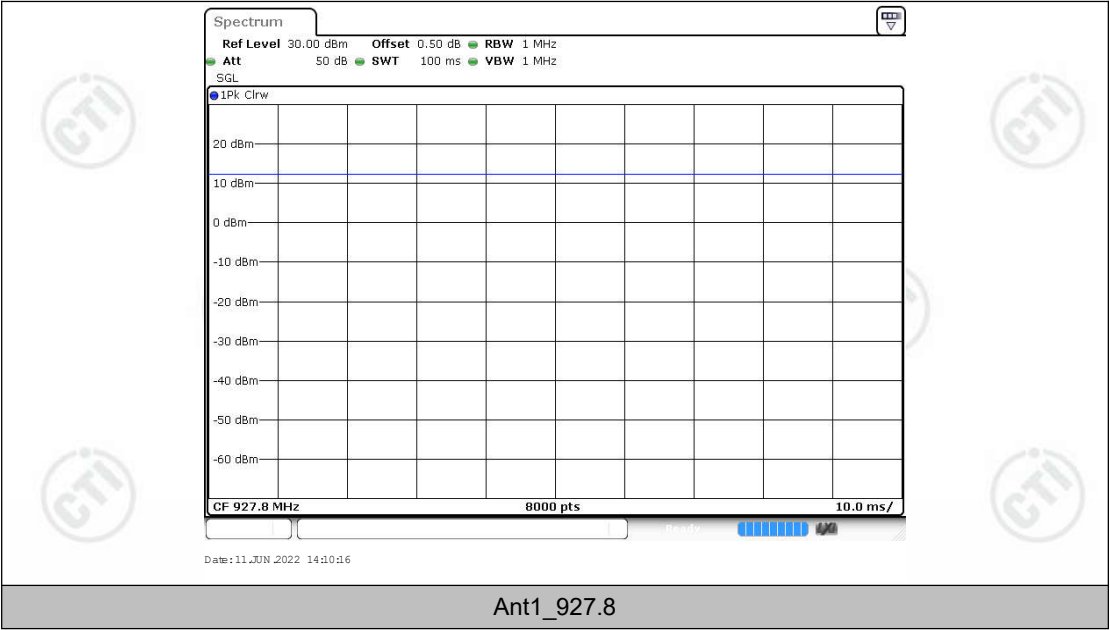
Appendix I: Duty Cycle

Test Result

Antenna	Channel[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
Ant1	915.2	100.00	100.00	100.00	---	PASS
	921.4	100.00	100.00	100.00	---	PASS
	927.8	100.00	100.00	100.00	---	PASS

Test Graphs





*** End of Report ***