

Appendix: 2.4G DSS

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 Peak..... 9

 Test Graphs..... 10

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

 Test Result..... 12

 Test Graphs..... 13

Appendix E: Time of occupancy..... 14

 Test Result..... 14

 Test Graphs..... 15

Appendix F: Number of hopping channels..... 16

 Test Result..... 16

 Test Graphs..... 17

Appendix G: Band edge measurements..... 18

 Test Result..... 18

 Test Graphs..... 19

Appendix H: Conducted Spurious Emission..... 21

 Test Result..... 21

 Test Graphs..... 22

Appendix I: Duty Cycle..... 27

 Test Result..... 27

 Test Graphs..... 28

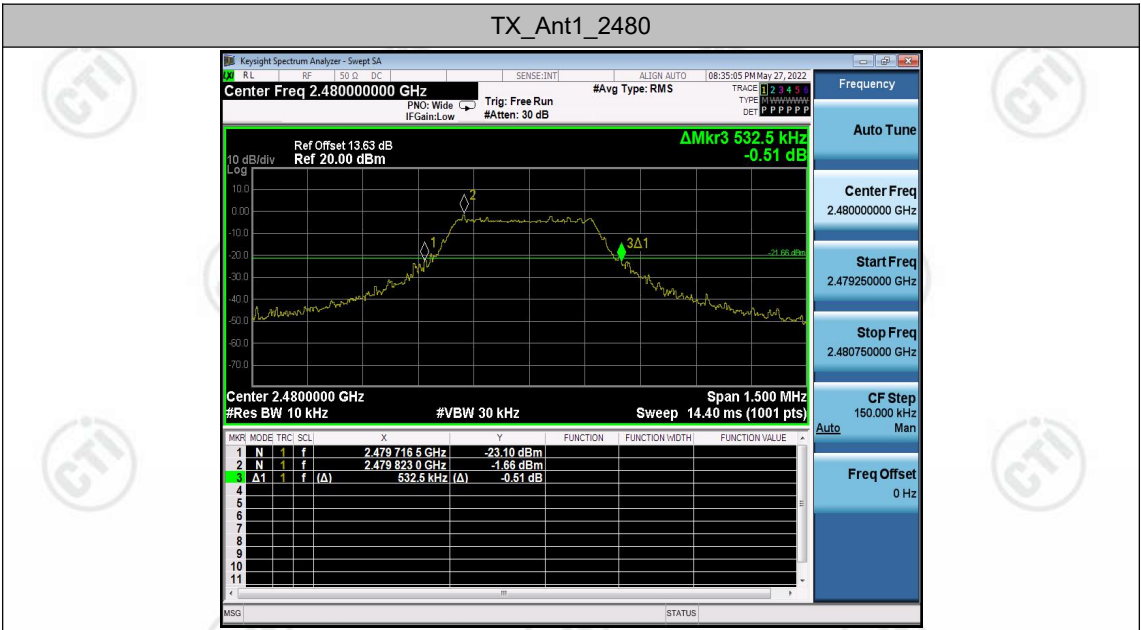
Appendix A: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
TX	Ant1	2466	0.513	2465.726	2466.239	---	---
		2473	0.508	2472.735	2473.243	---	---
		2480	0.532	2479.717	2480.249	---	---

Test Graphs



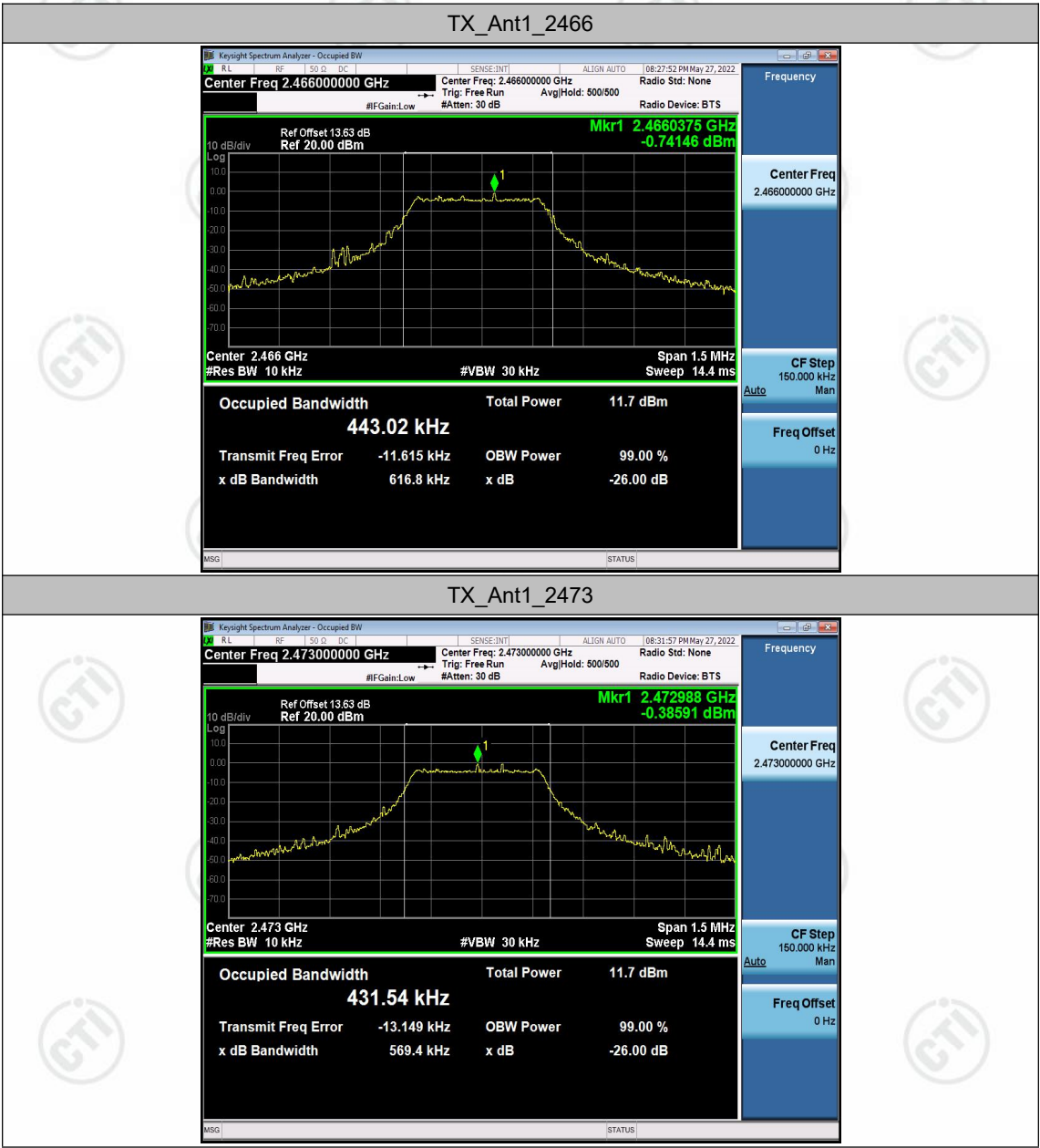


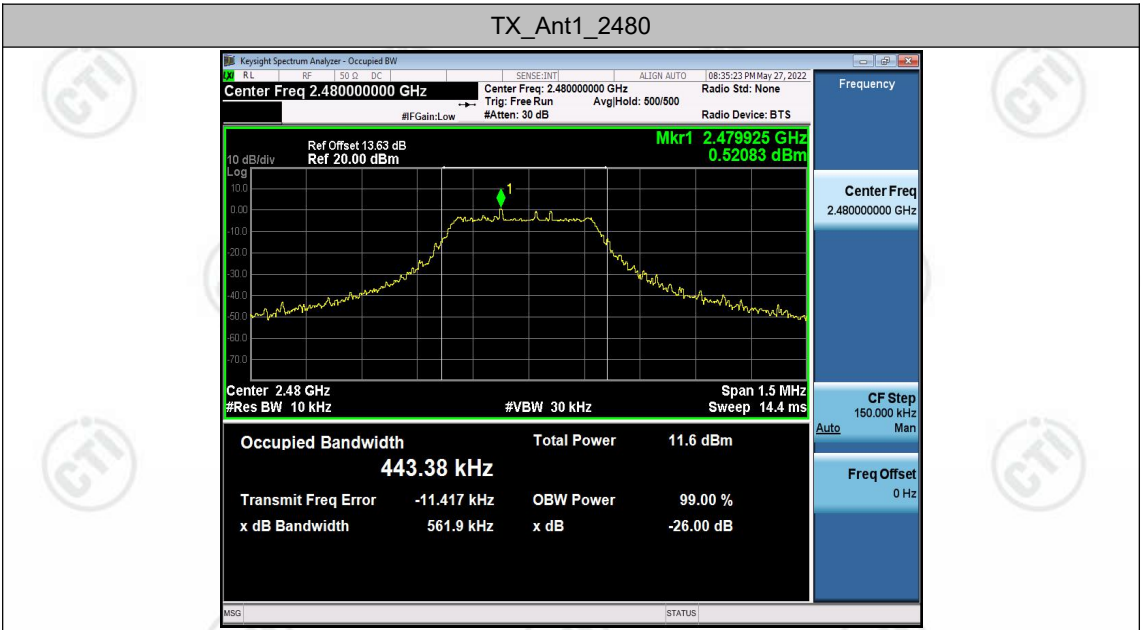
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
TX	Ant1	2466	0.44302	2465.767	2466.210	---	---
		2473	0.43154	2472.771	2473.203	---	---
		2480	0.44338	2479.767	2480.210	---	---

Test Graphs



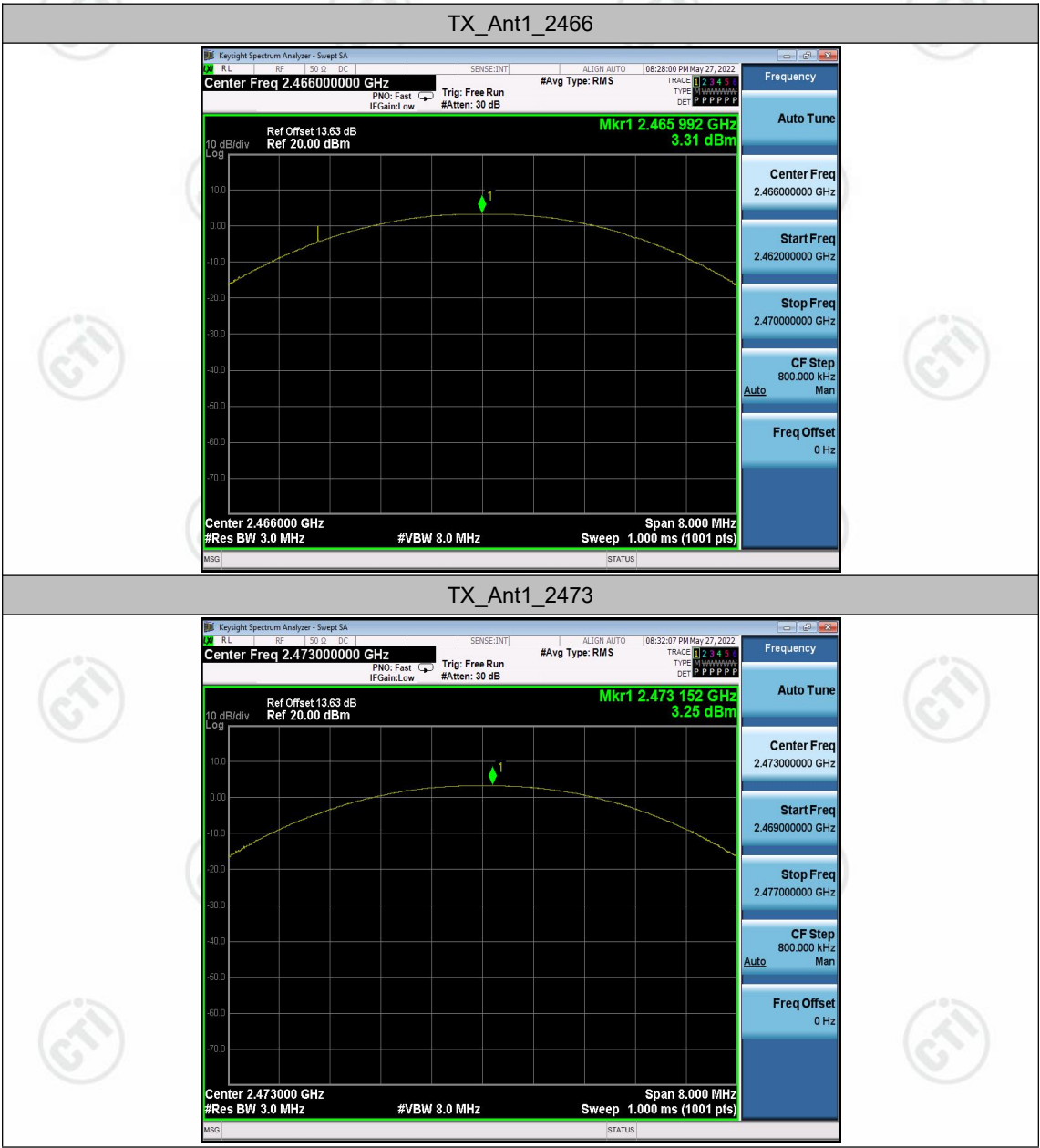


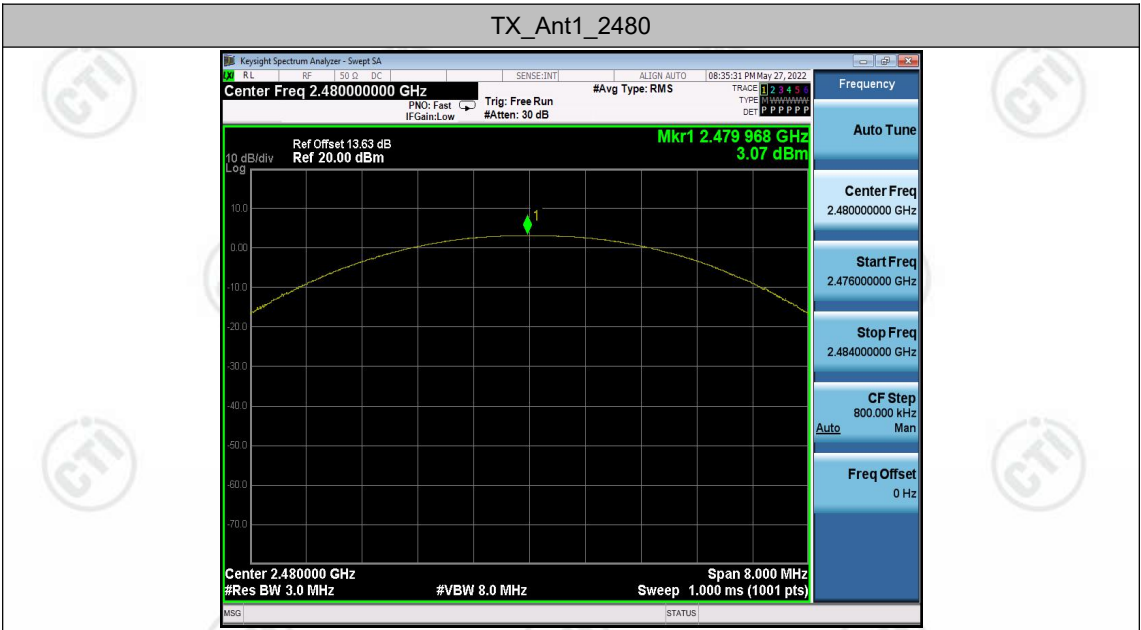
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
TX	Ant1	2466	3.31	≤30	PASS
		2473	3.25	≤30	PASS
		2480	3.08	≤20.97	PASS

Test Graphs



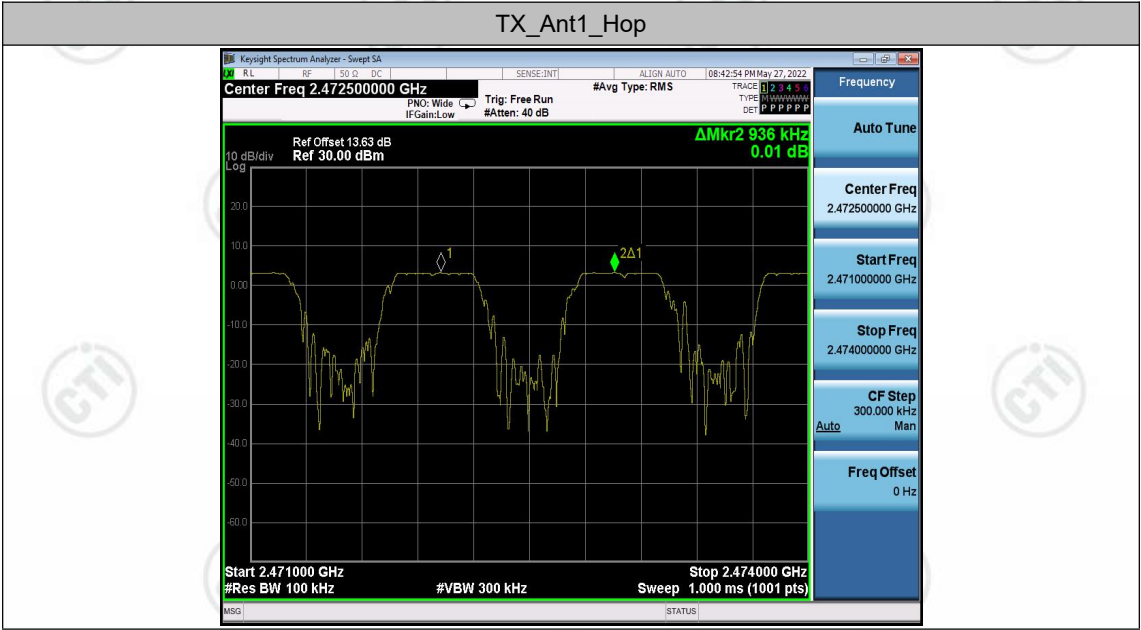


Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
TX	Ant1	Hop	0.936	≥0.532	PASS

Test Graphs

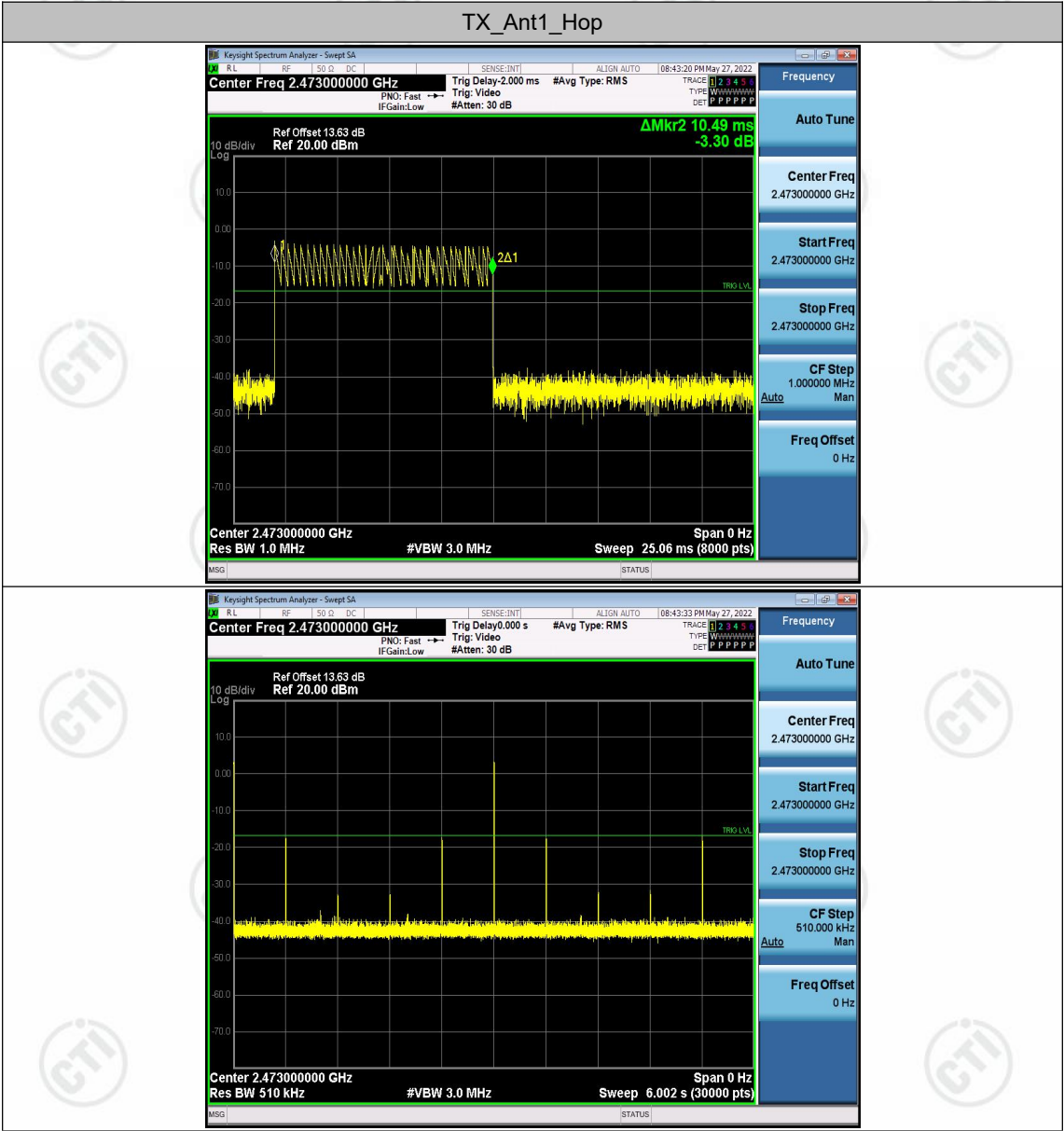


Appendix E: Time of occupancy

Test Result

Test Mode	Antenna	Frequency[MHz]	Burst Width [ms]	Total Hops [Num]	Result[s]	Limit[s]	Verdict
TX	Ant1	Hop	10.49	2	0.021	≤0.4	PASS

Test Graphs

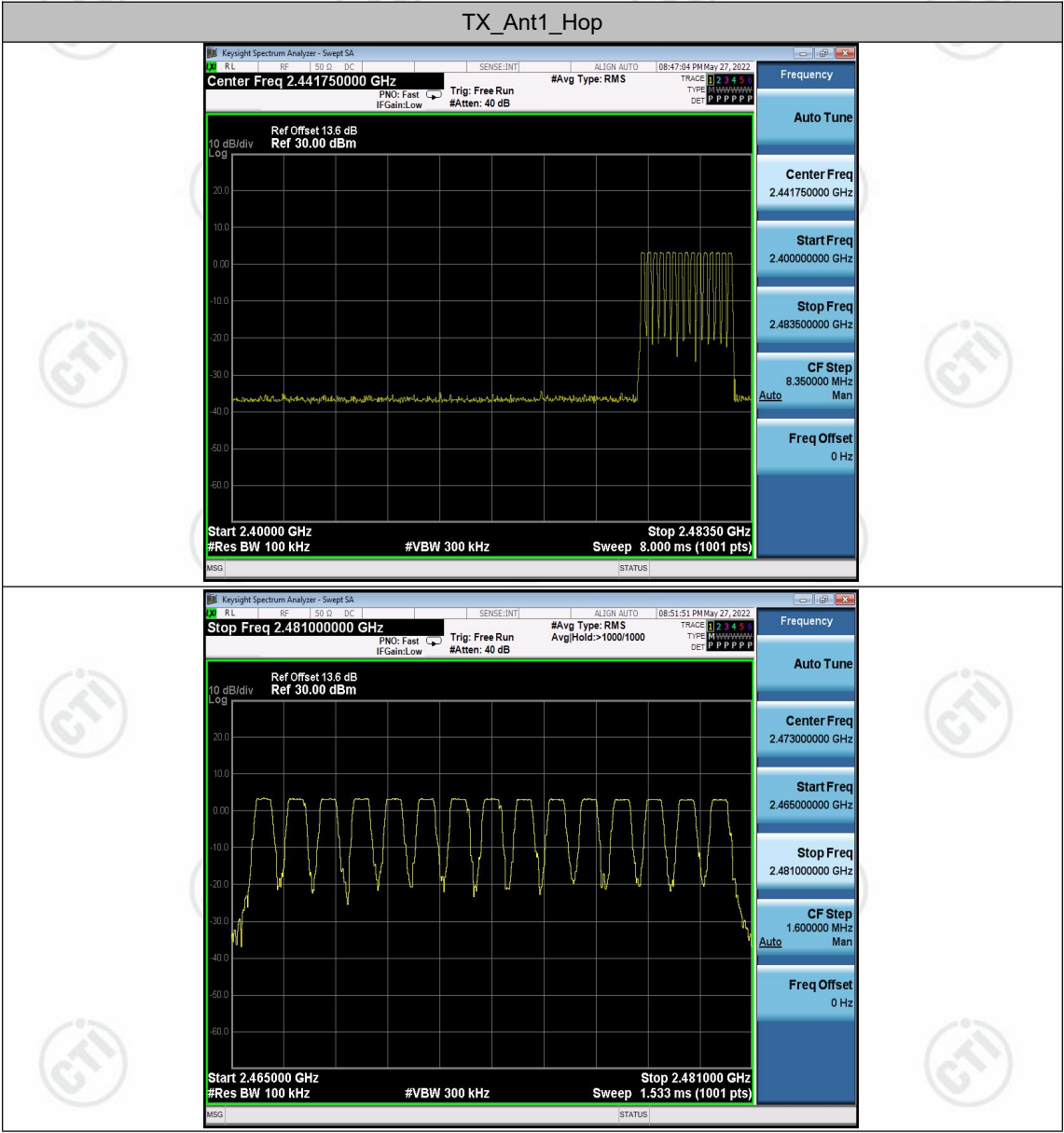


Appendix F: Number of hopping channels

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
TX	Ant1	Hop	15	≥15	PASS

Test Graphs

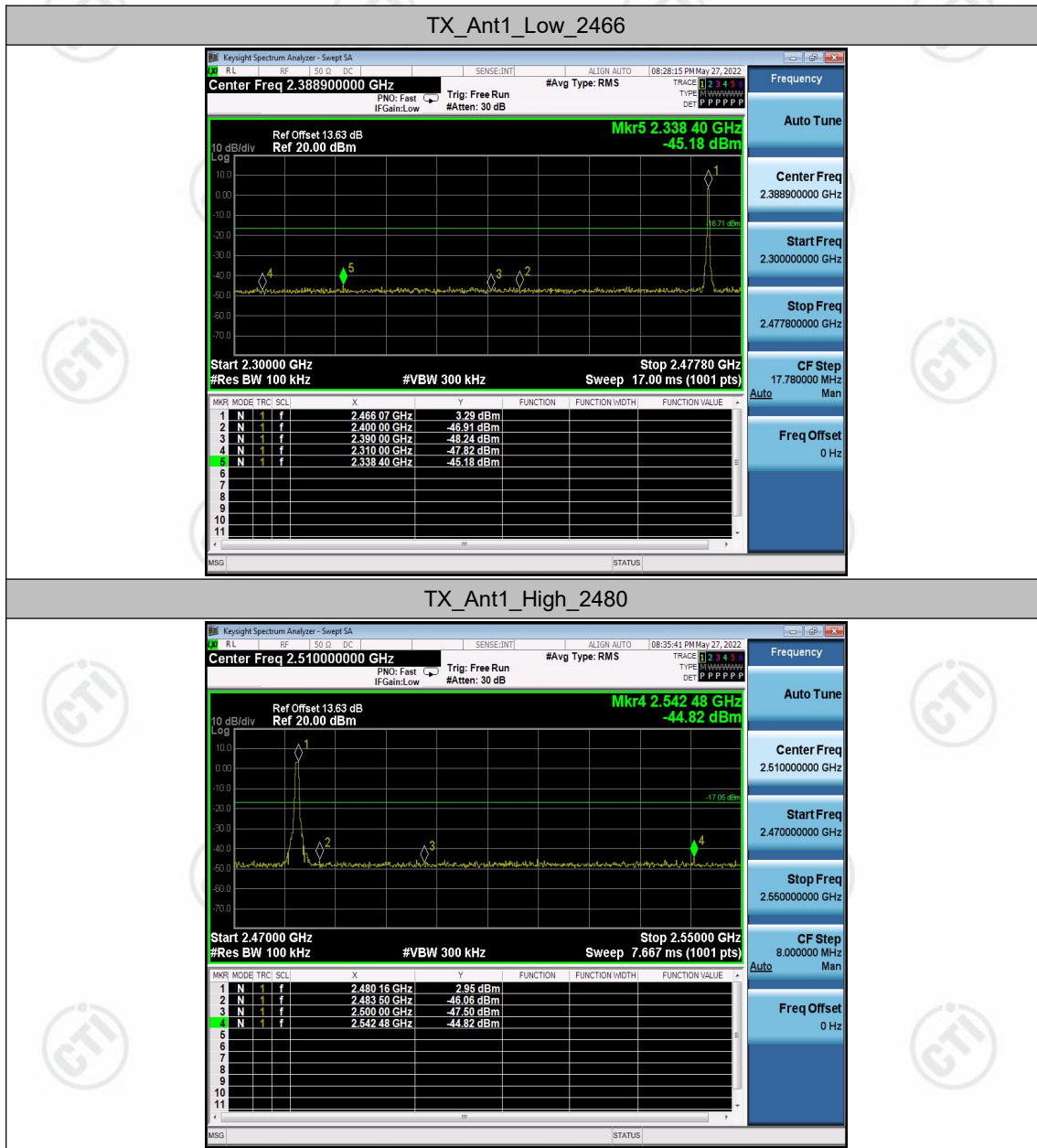


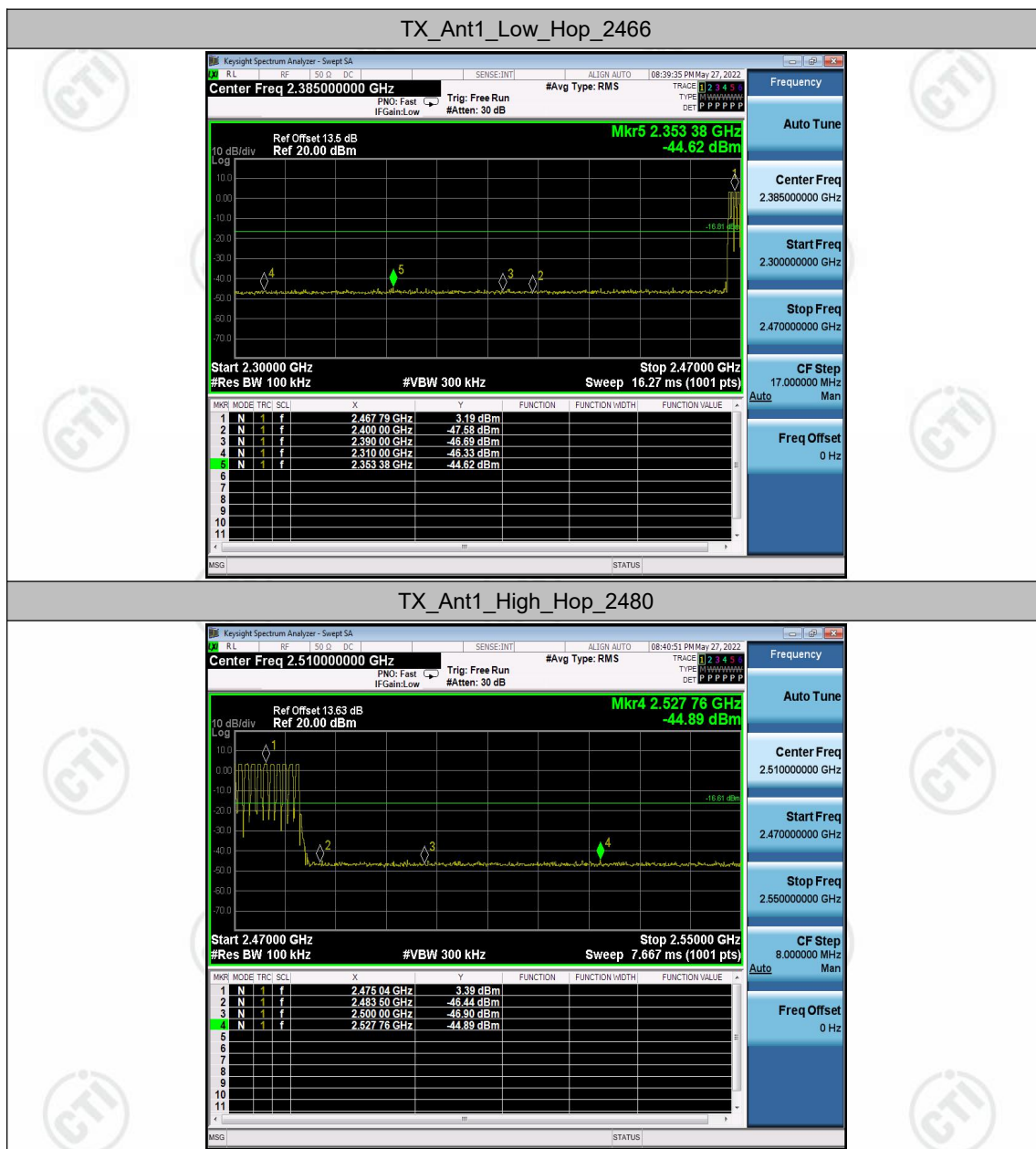
Appendix G: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
TX	Ant1	Low	2466	3.29	-45.18	≤-16.71	PASS
		High	2480	2.95	-44.82	≤-17.05	PASS
		Low	Hop	3.20	-44.62	≤-16.81	PASS
		High	Hop	3.39	-44.89	≤-16.61	PASS

Test Graphs



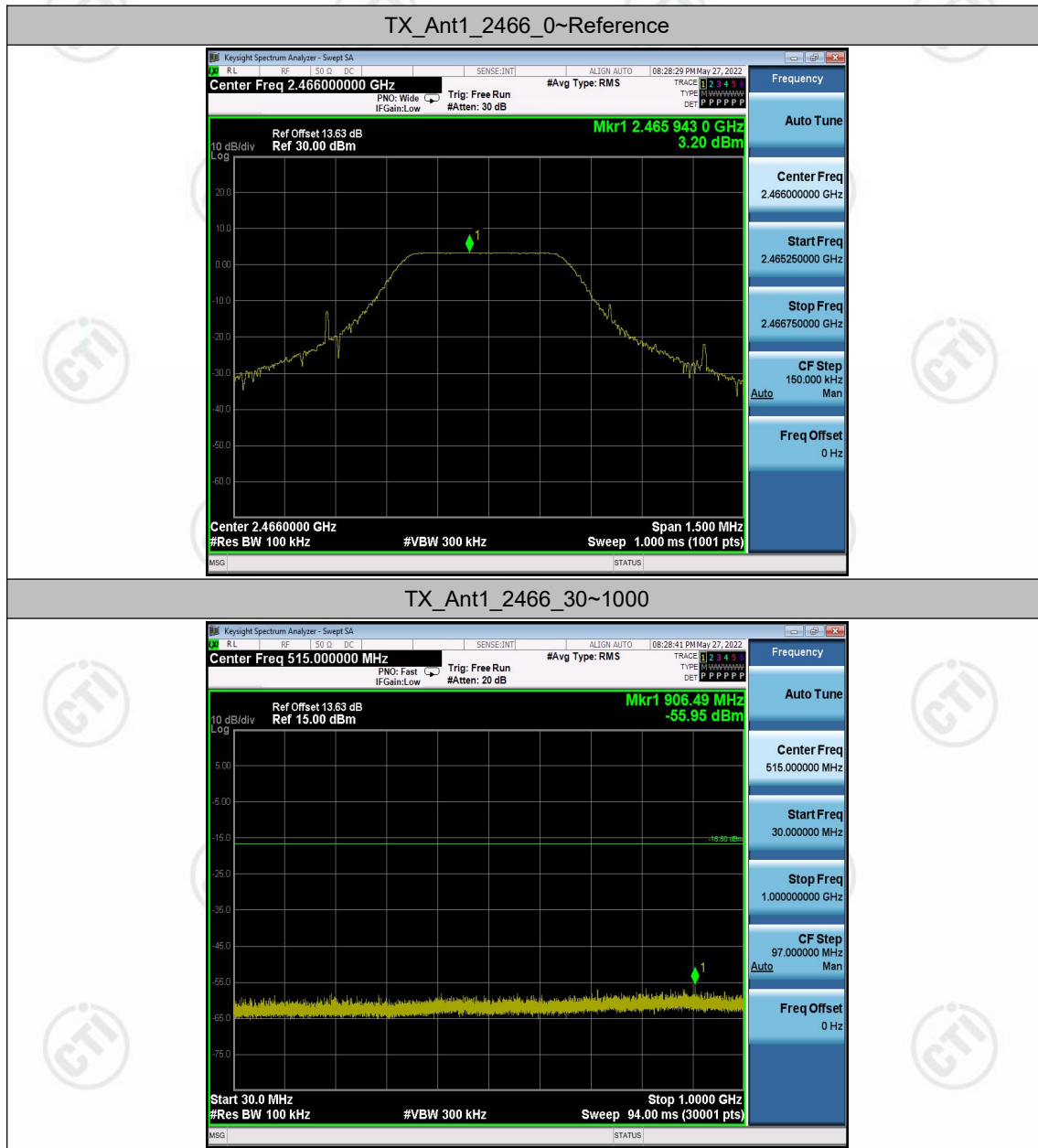


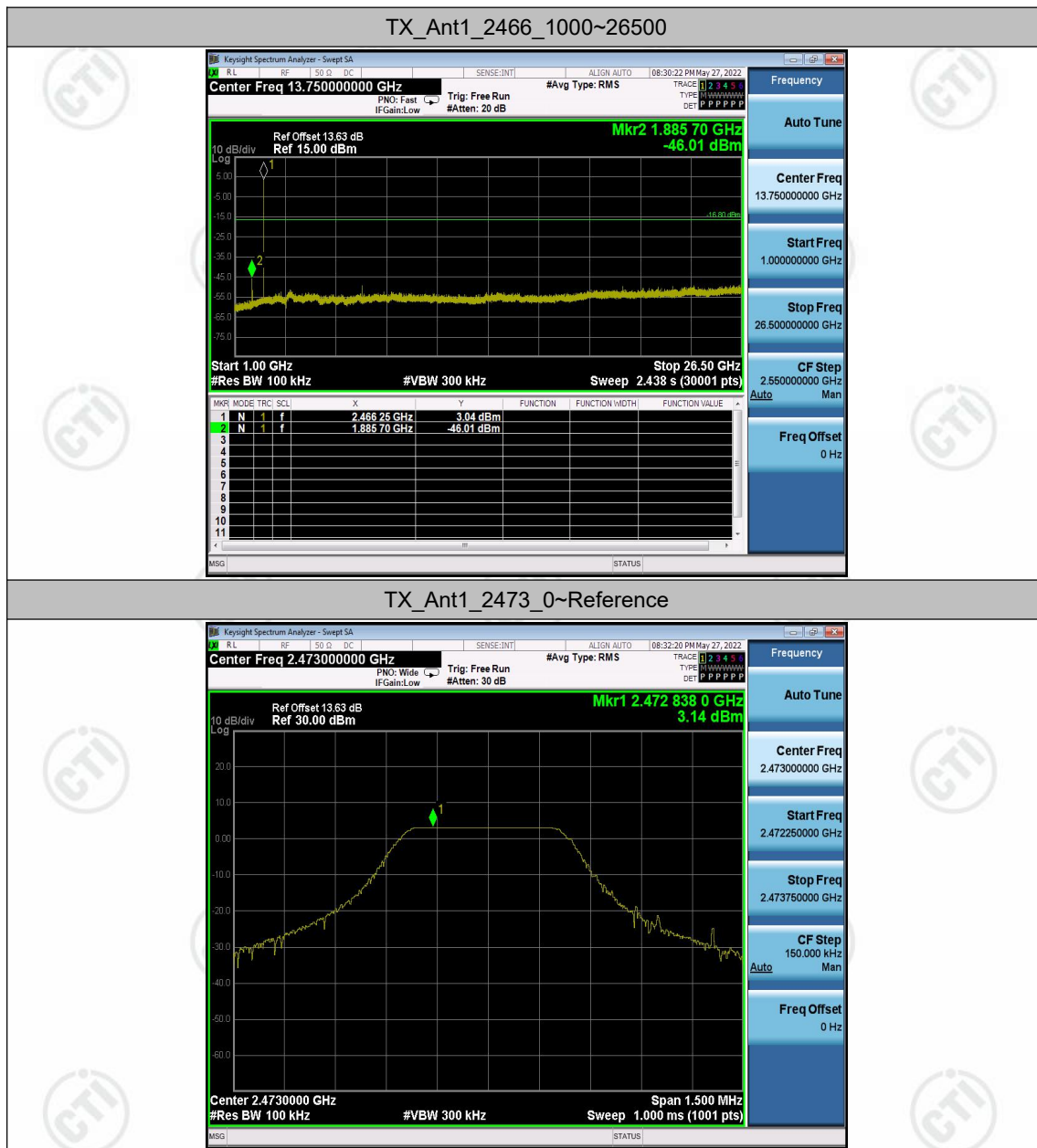
Appendix H: Conducted Spurious Emission

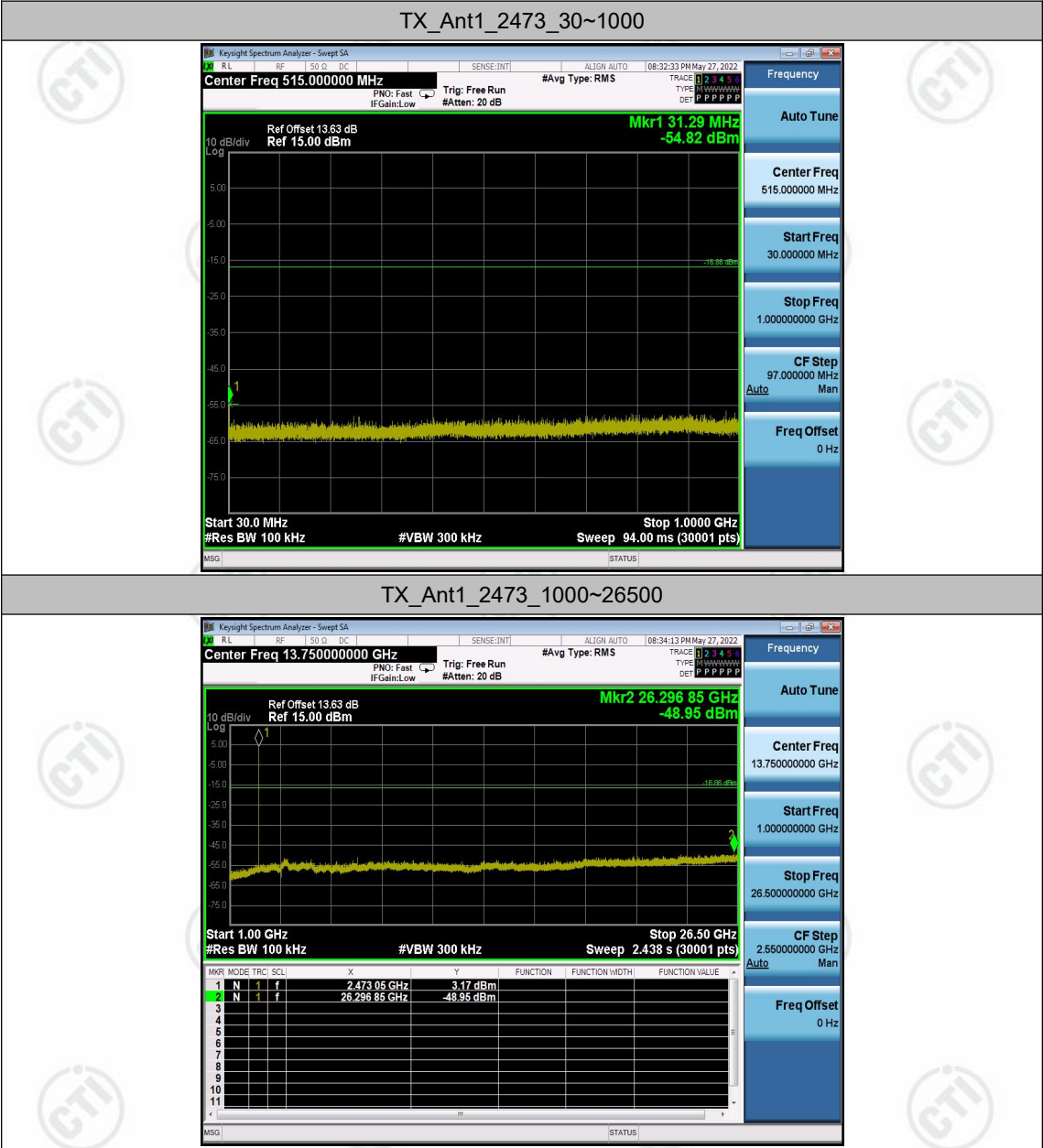
Test Result

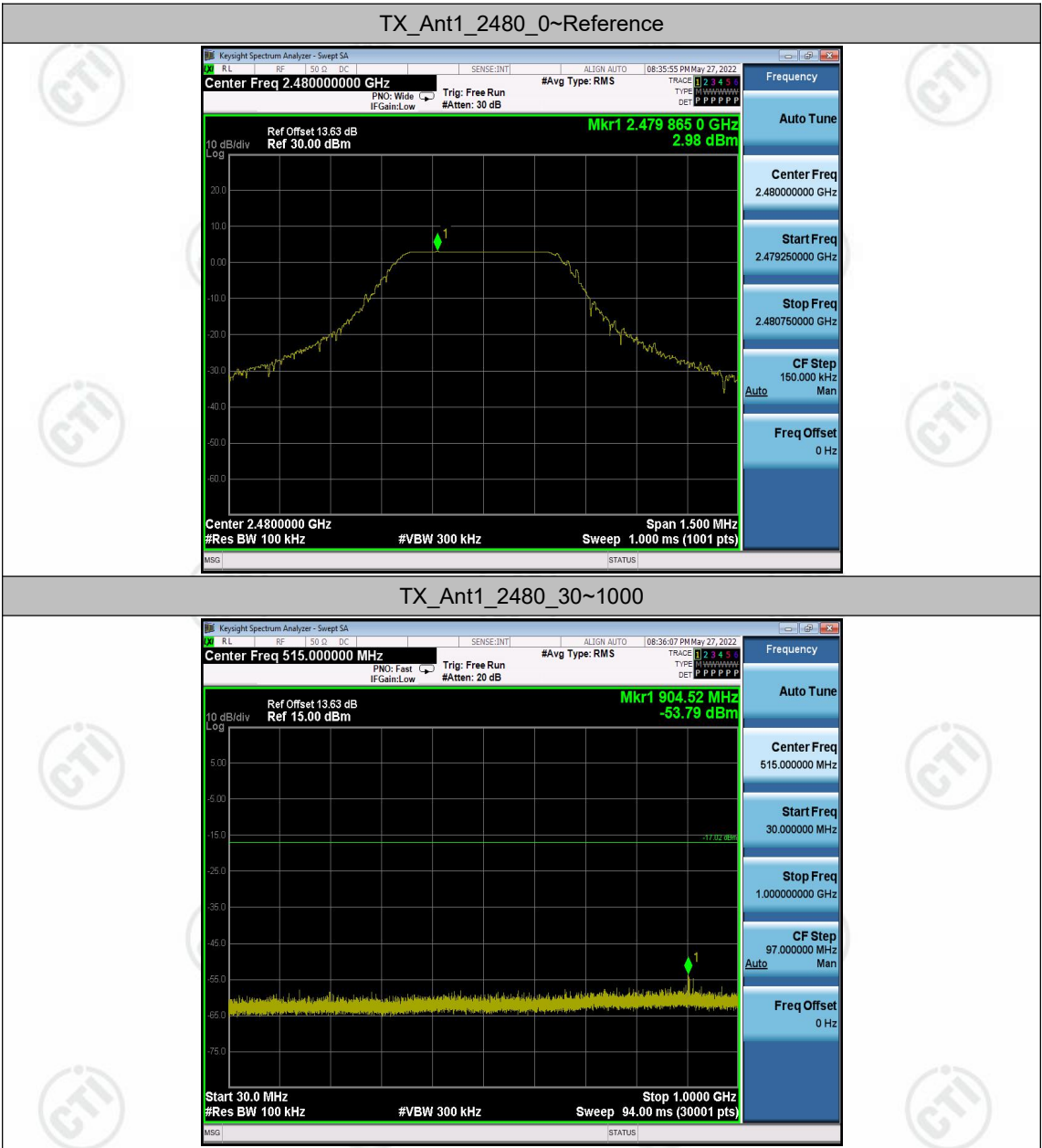
Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
TX	Ant1	2466	Reference	3.20	3.20	---	PASS
			30~1000	---	-55.95	≤-16.8	PASS
			1000~26500	---	-46.01	≤-16.8	PASS
		2473	Reference	3.14	3.14	---	PASS
			30~1000	---	-54.82	≤-16.86	PASS
			1000~26500	---	-48.95	≤-16.86	PASS
		2480	Reference	2.98	2.98	---	PASS
			30~1000	---	-53.79	≤-17.02	PASS
			1000~26500	---	-45.12	≤-17.02	PASS

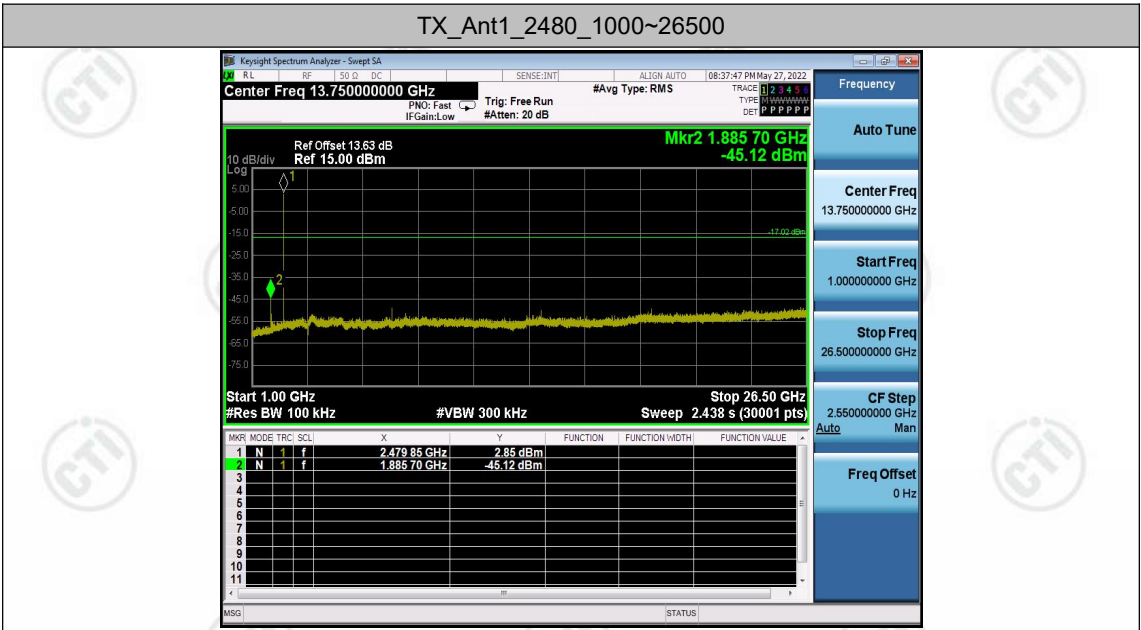
Test Graphs









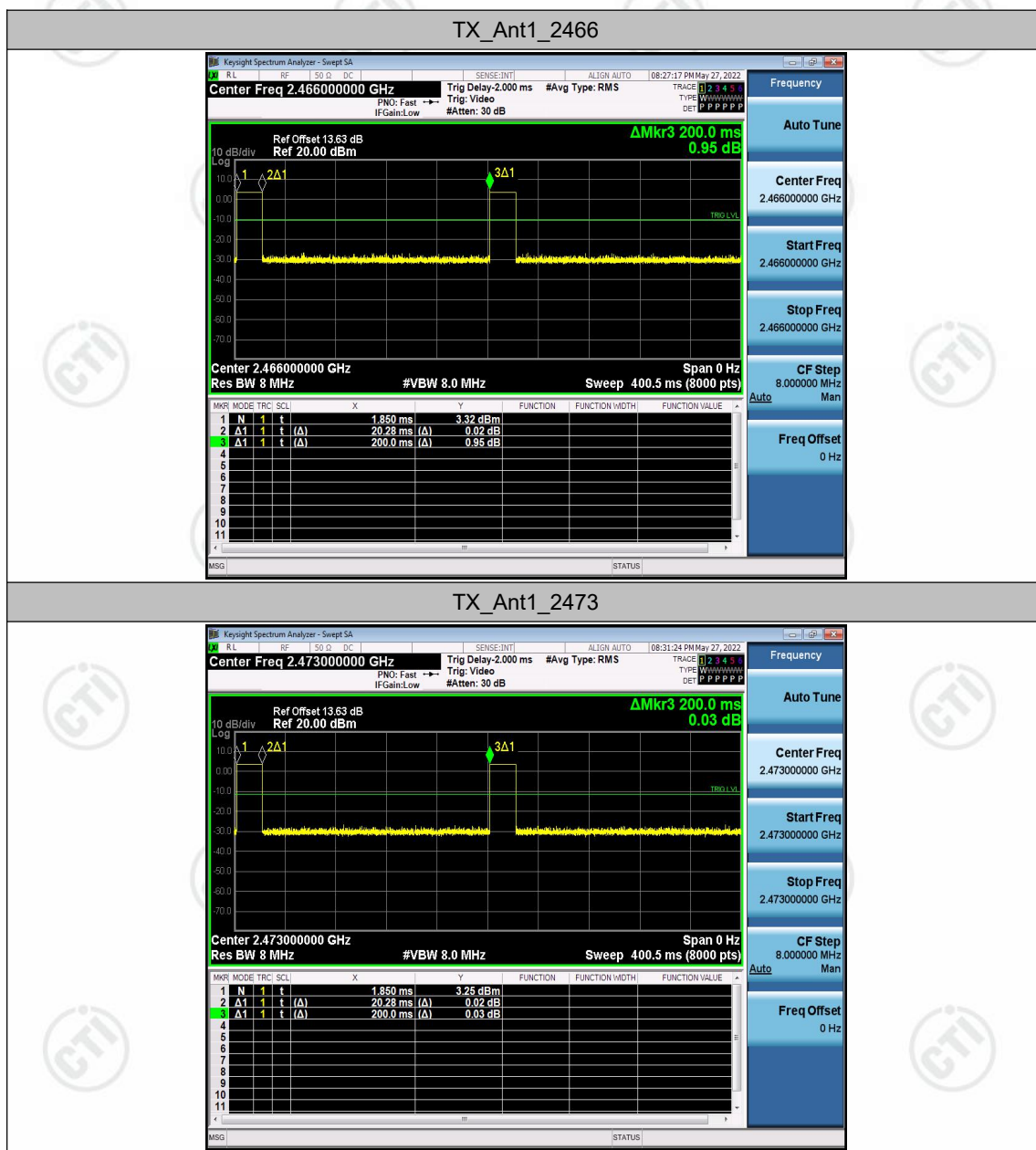


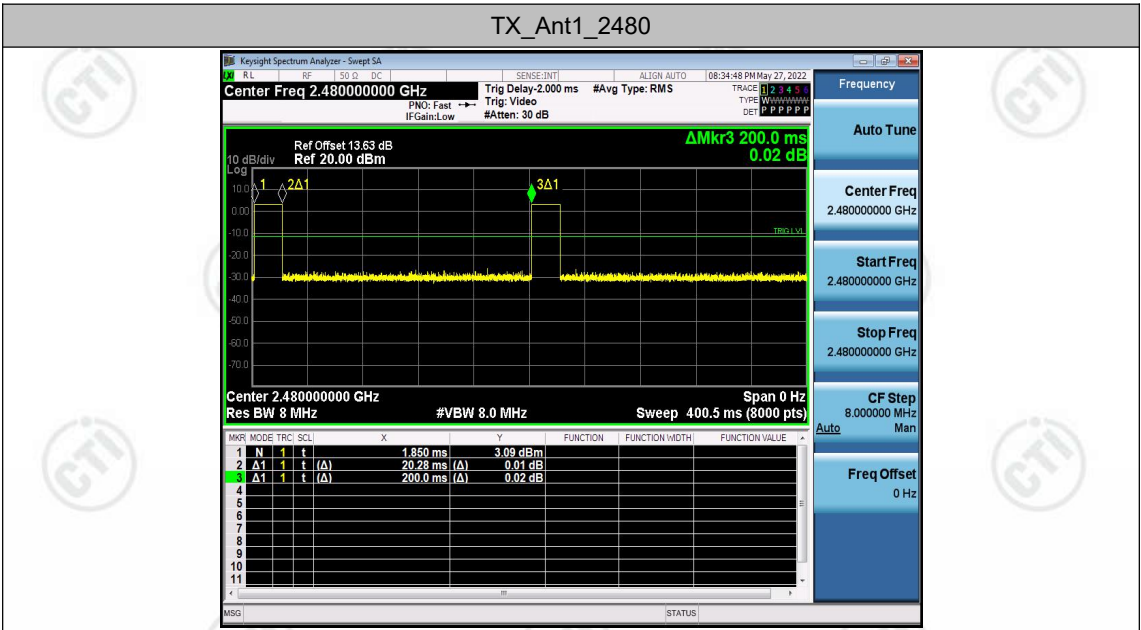
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time[ms]	Period[ms]	Duty Cycle[%]	Duty Cycle Factor[dB]
TX	Ant1	2466	20.28	200.02	10.14	9.94
		2473	20.28	200.02	10.14	9.94
		2480	20.28	200.02	10.14	9.94

Test Graphs





*** End of Report ***