

Appendix: 2.4G FHSS

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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	0.520	2465.742	2466.263	---	---
	Ant2	2466	0.540	2465.721	2466.261	---	---
	Ant3	2466	0.538	2465.738	2466.276	---	---
	Ant4	2466	0.528	2465.739	2466.267	---	---
	Ant1	2473	0.532	2472.739	2473.272	---	---
	Ant2	2473	0.534	2472.723	2473.257	---	---
	Ant3	2473	0.534	2472.736	2473.270	---	---
	Ant4	2473	0.523	2472.744	2473.267	---	---
	Ant1	2480	0.537	2479.741	2480.278	---	---
	Ant2	2480	0.535	2479.723	2480.258	---	---
	Ant3	2480	0.497	2479.754	2480.251	---	---
	Ant4	2480	0.525	2479.739	2480.264	---	---

Test Graphs











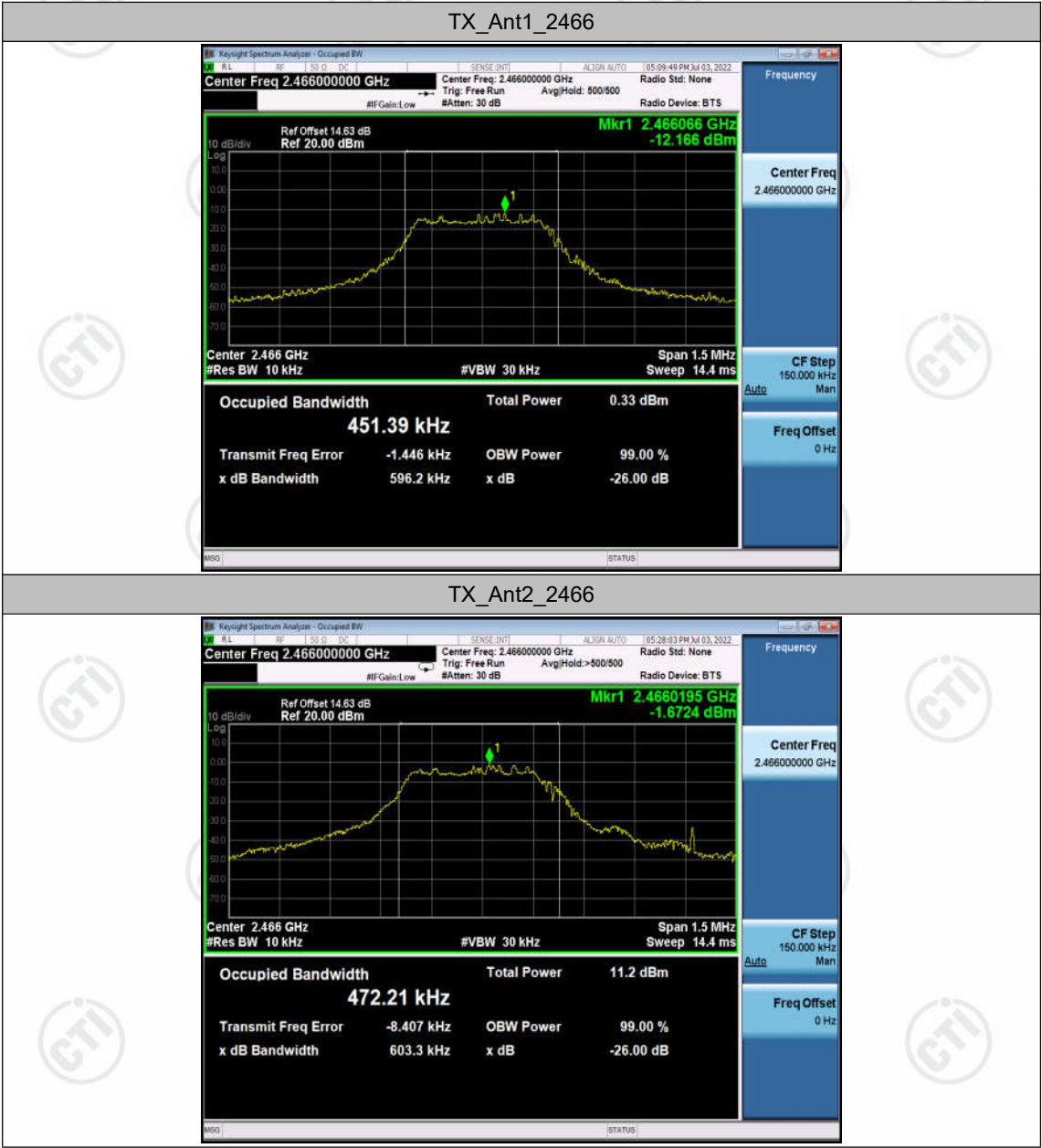


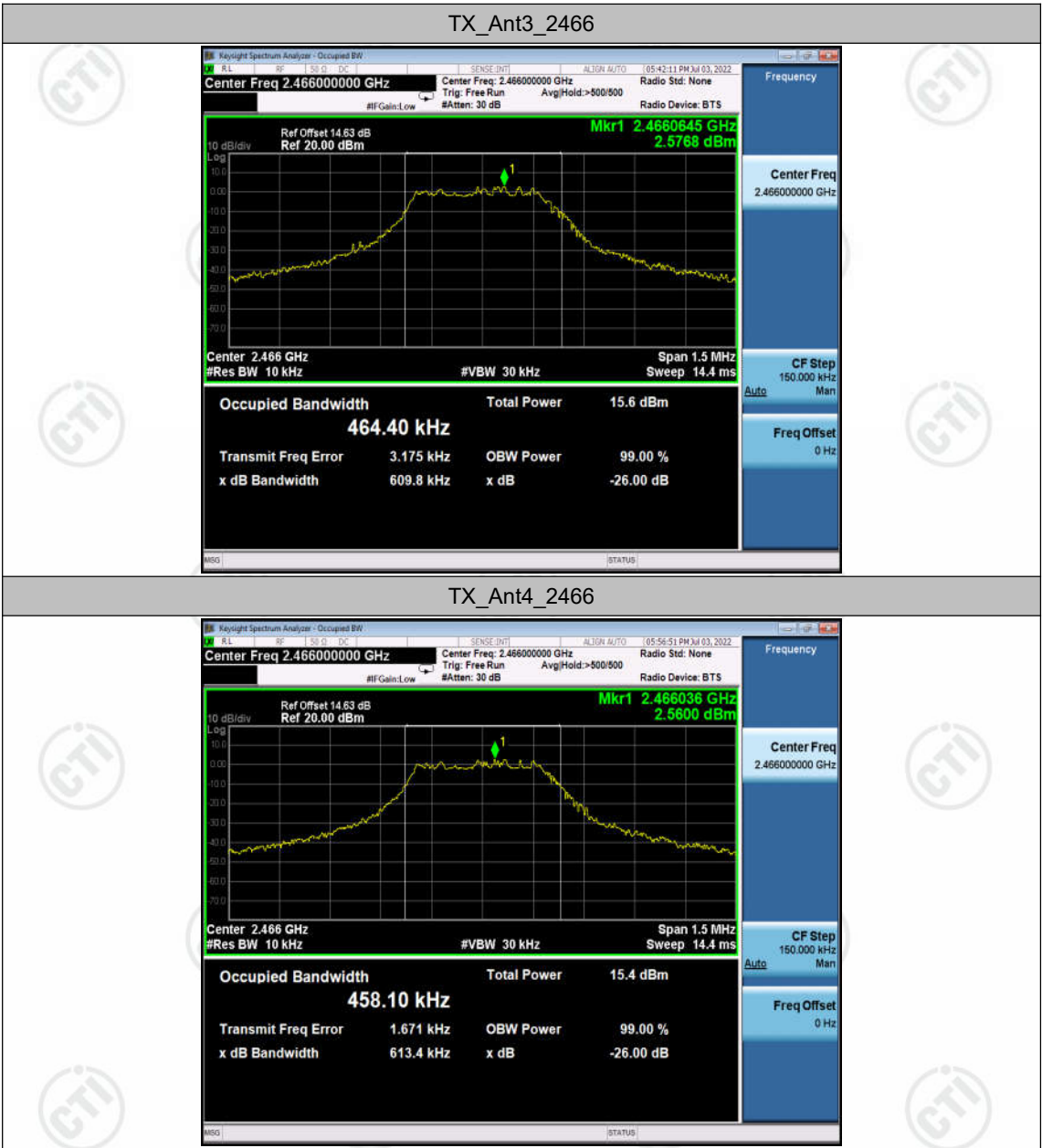
Appendix B: Occupied Channel Bandwidth

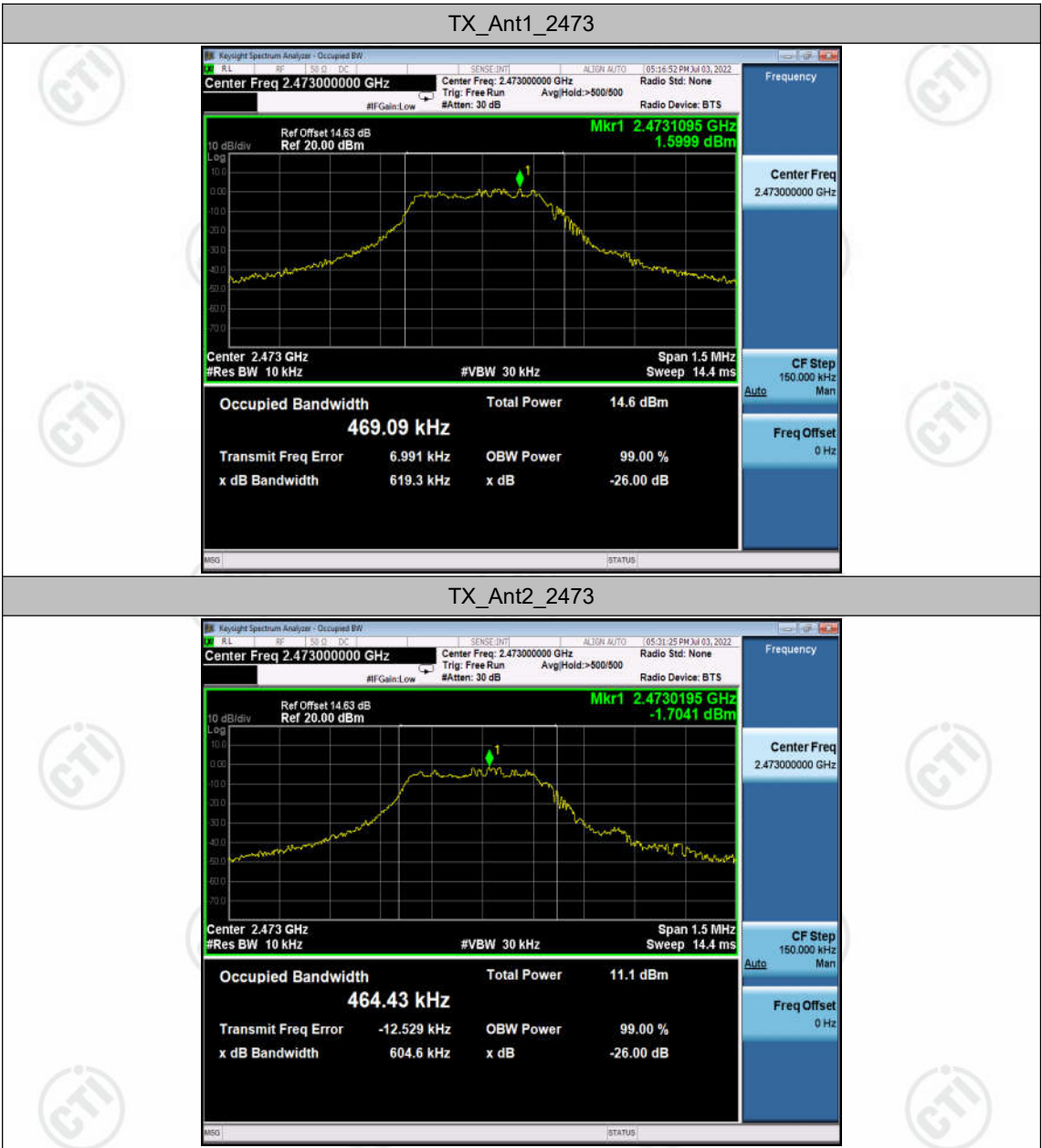
Test Result

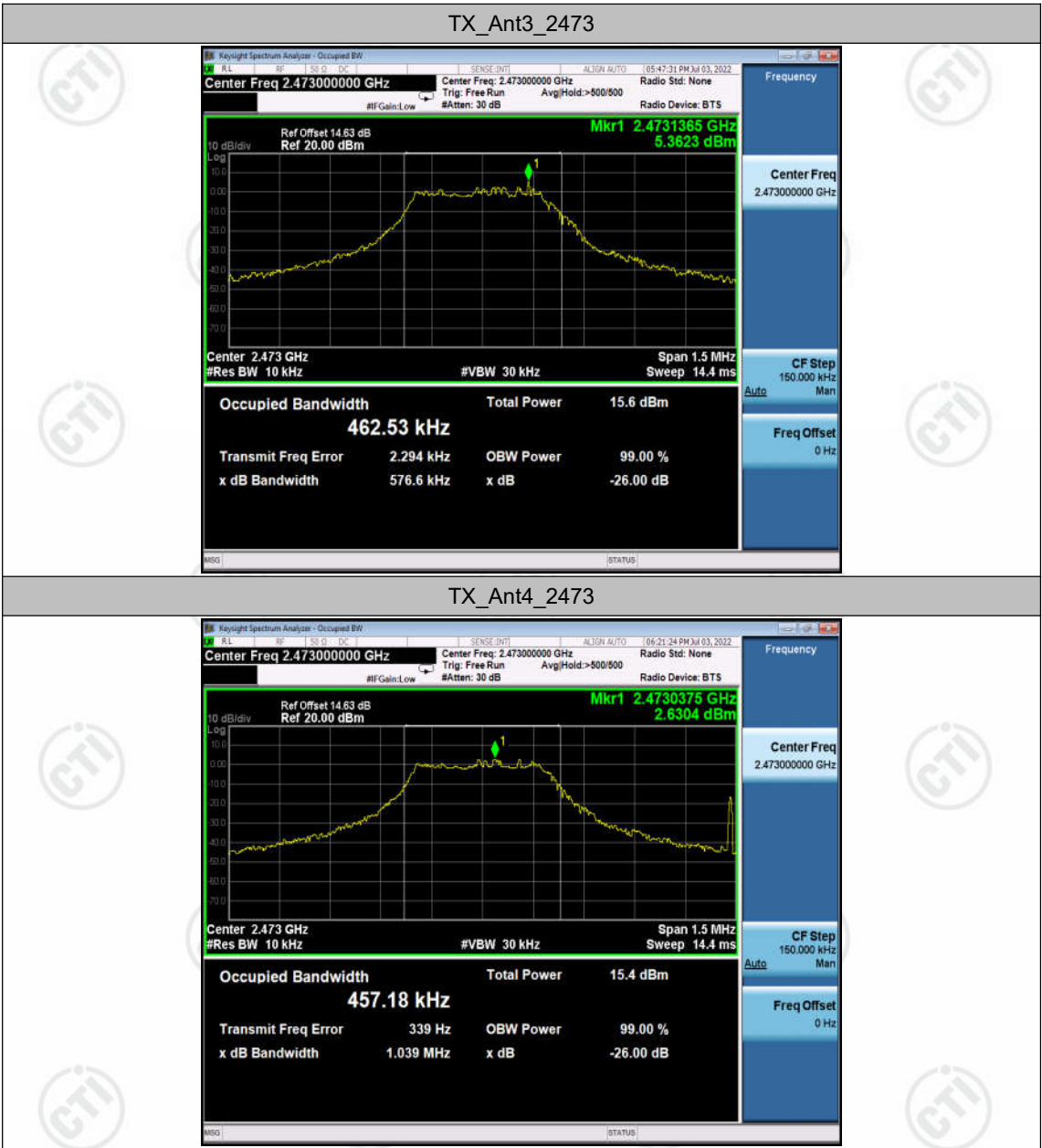
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
TX	Ant1	2466	0.45139	2465.773	2466.224	---	---
	Ant2	2466	0.47229	2465.755	2466.228	---	---
	Ant3	2466	0.46368	2465.771	2466.235	---	---
	Ant4	2466	0.45803	2465.773	2466.231	---	---
	Ant1	2473	0.46898	2472.772	2473.241	---	---
	Ant2	2473	0.46460	2472.755	2473.220	---	---
	Ant3	2473	0.46260	2472.771	2473.234	---	---
	Ant4	2473	0.45527	2472.773	2473.228	---	---
	Ant1	2480	0.47740	2479.771	2480.249	---	---
	Ant2	2480	0.46621	2479.756	2480.222	---	---
	Ant3	2480	0.46443	2479.770	2480.235	---	---
	Ant4	2480	0.45370	2479.774	2480.227	---	---

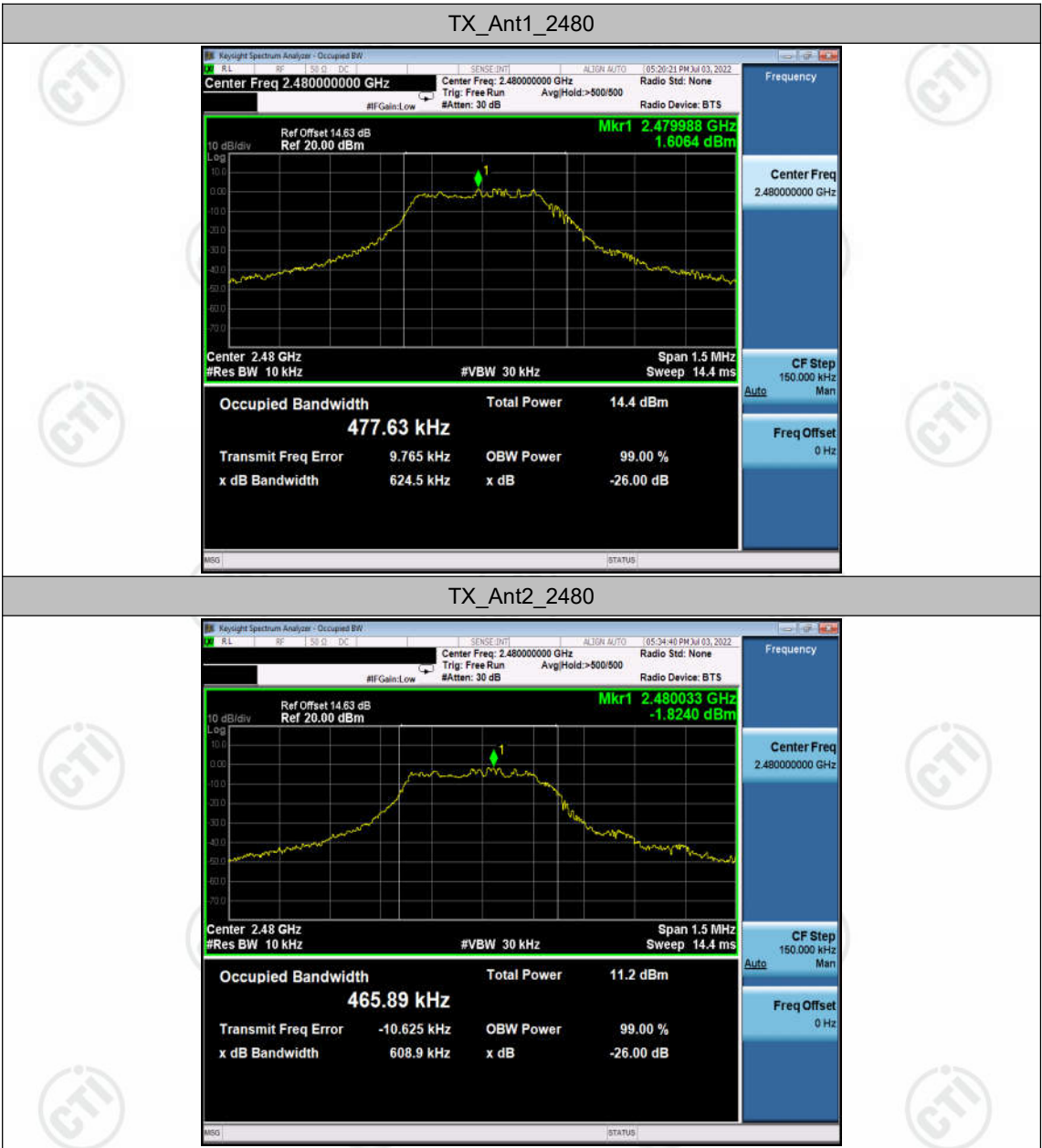
Test Graphs

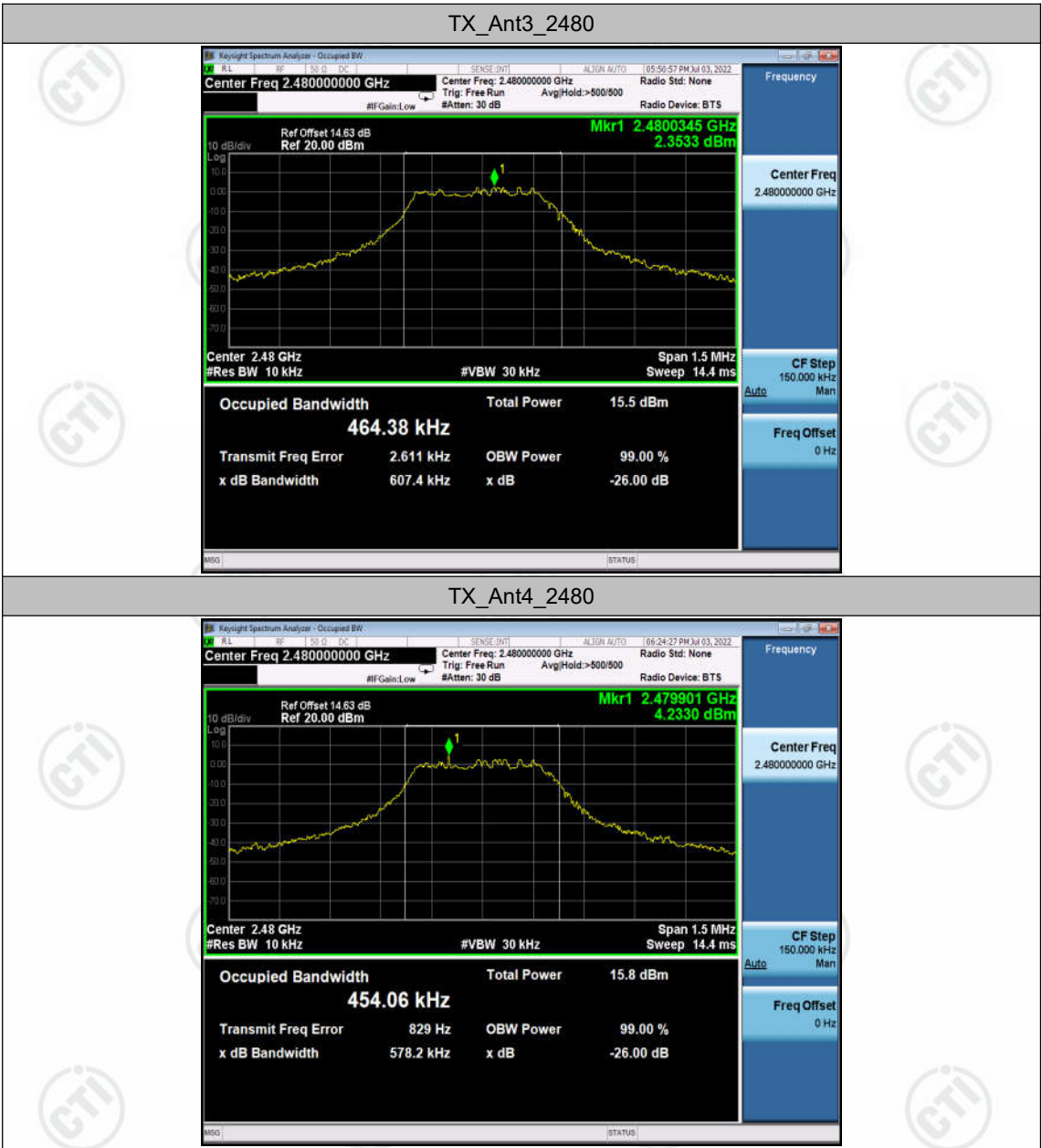










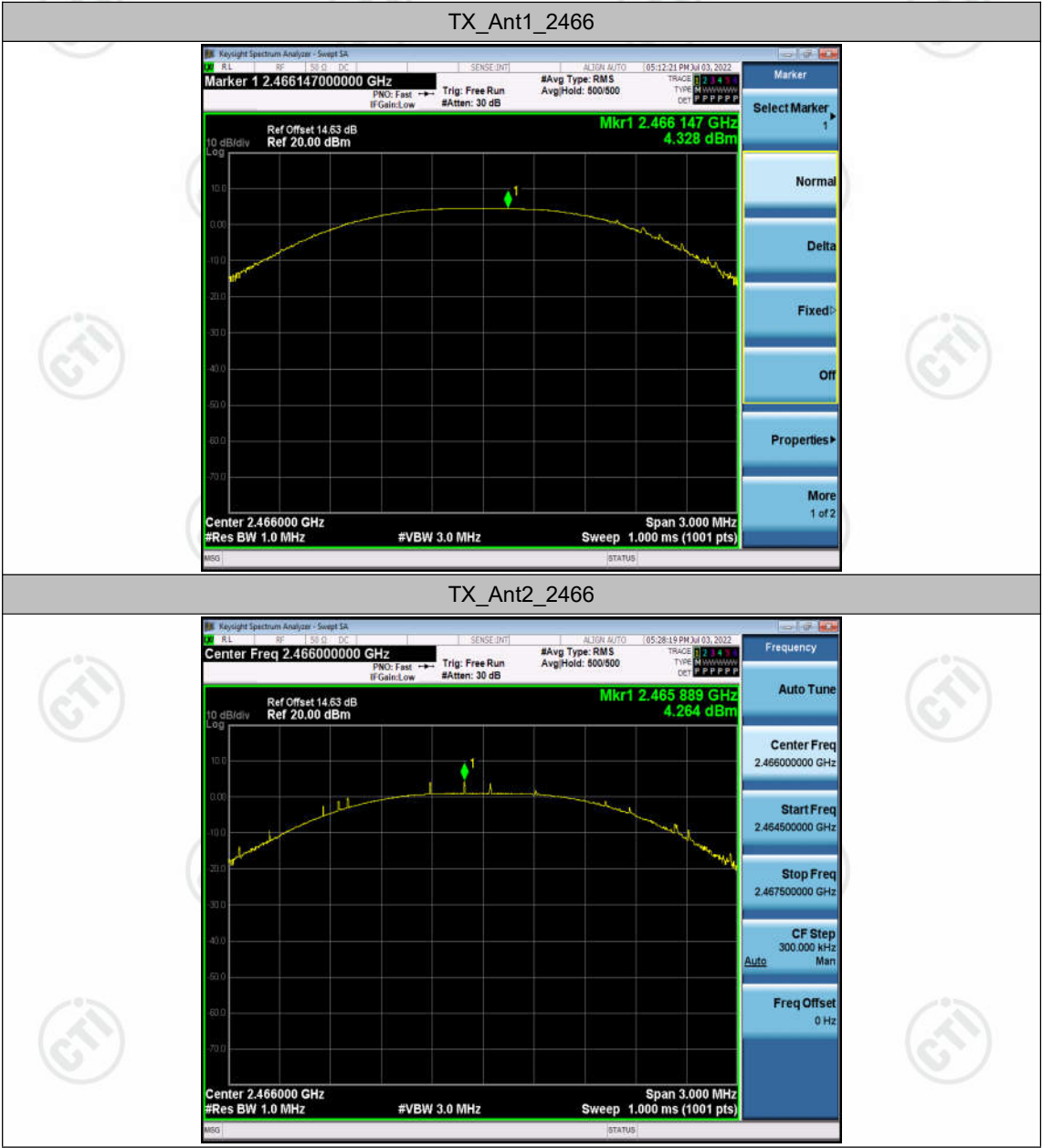


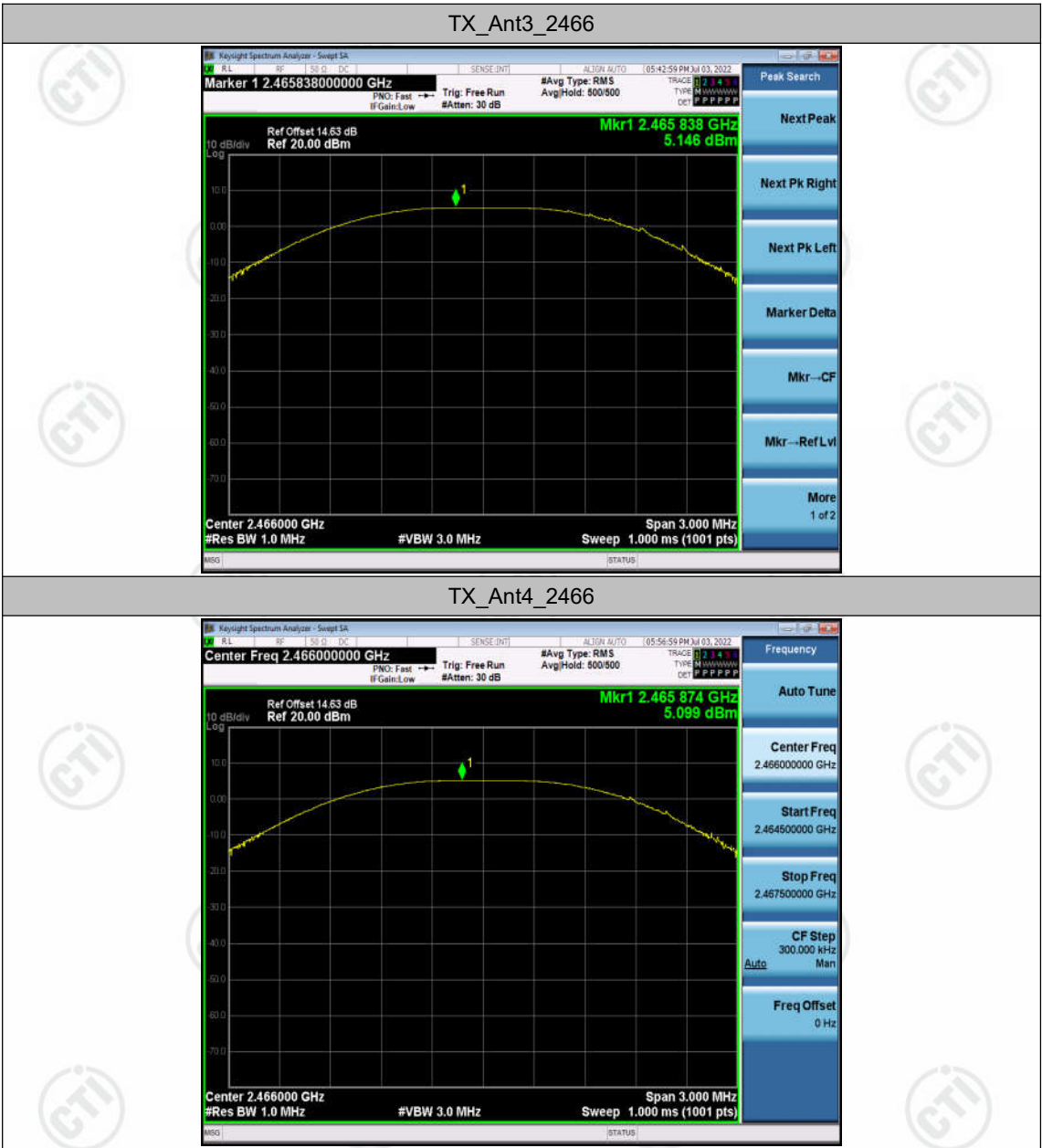
Appendix C: Maximum conducted output power

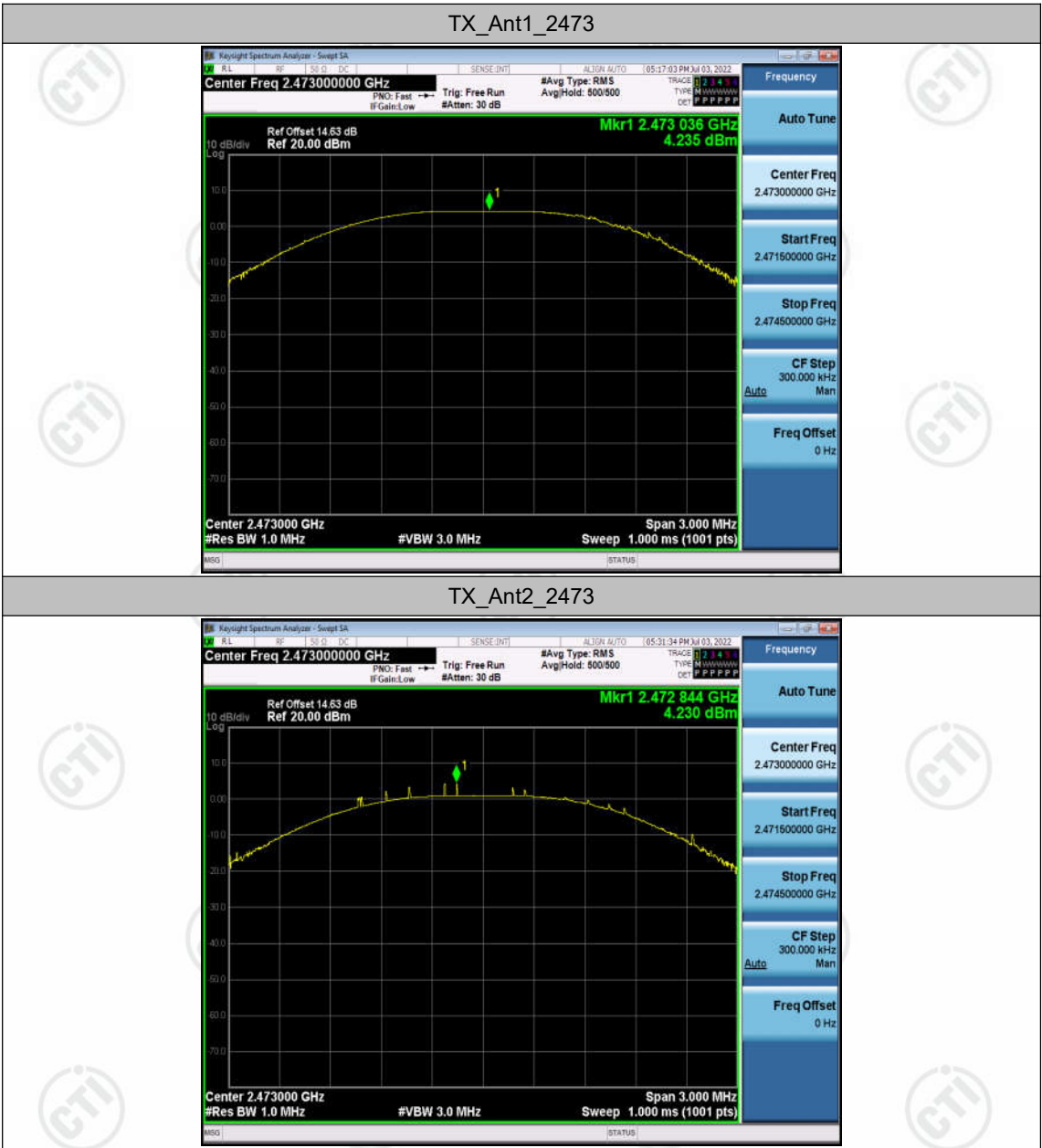
Test Result Peak

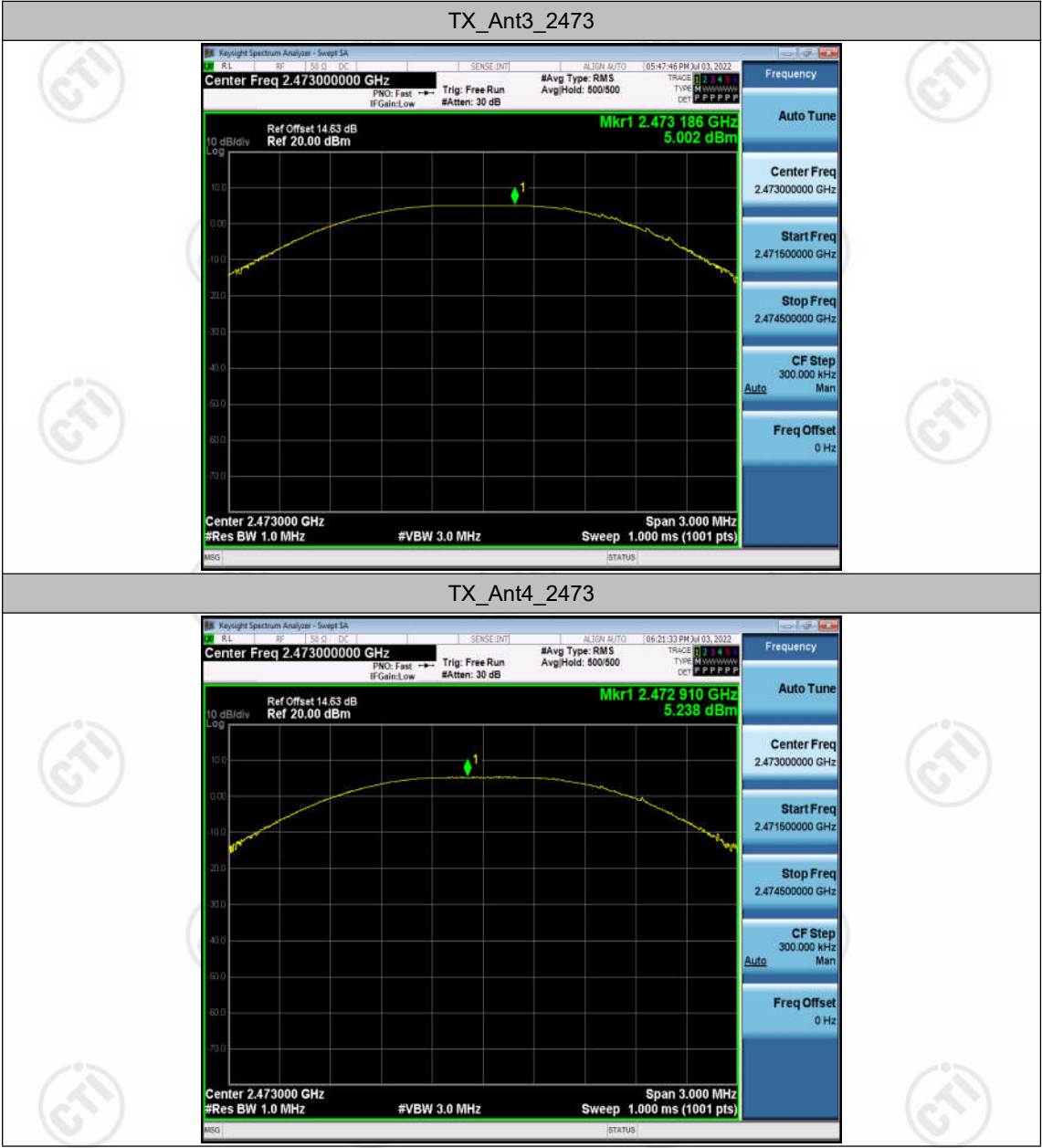
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
TX	Ant1	2466	4.33	≤20.97	PASS
	Ant2	2466	4.26	≤20.97	PASS
	Ant3	2466	5.14	≤20.97	PASS
	Ant4	2466	5.1	≤20.97	PASS
	Ant1	2473	4.24	≤20.97	PASS
	Ant2	2473	4.23	≤20.97	PASS
	Ant3	2473	5	≤20.97	PASS
	Ant4	2473	5.24	≤20.97	PASS
	Ant1	2480	4.26	≤20.97	PASS
	Ant2	2480	4.18	≤20.97	PASS
	Ant3	2480	5.02	≤20.97	PASS
	Ant4	2480	5.24	≤20.97	PASS

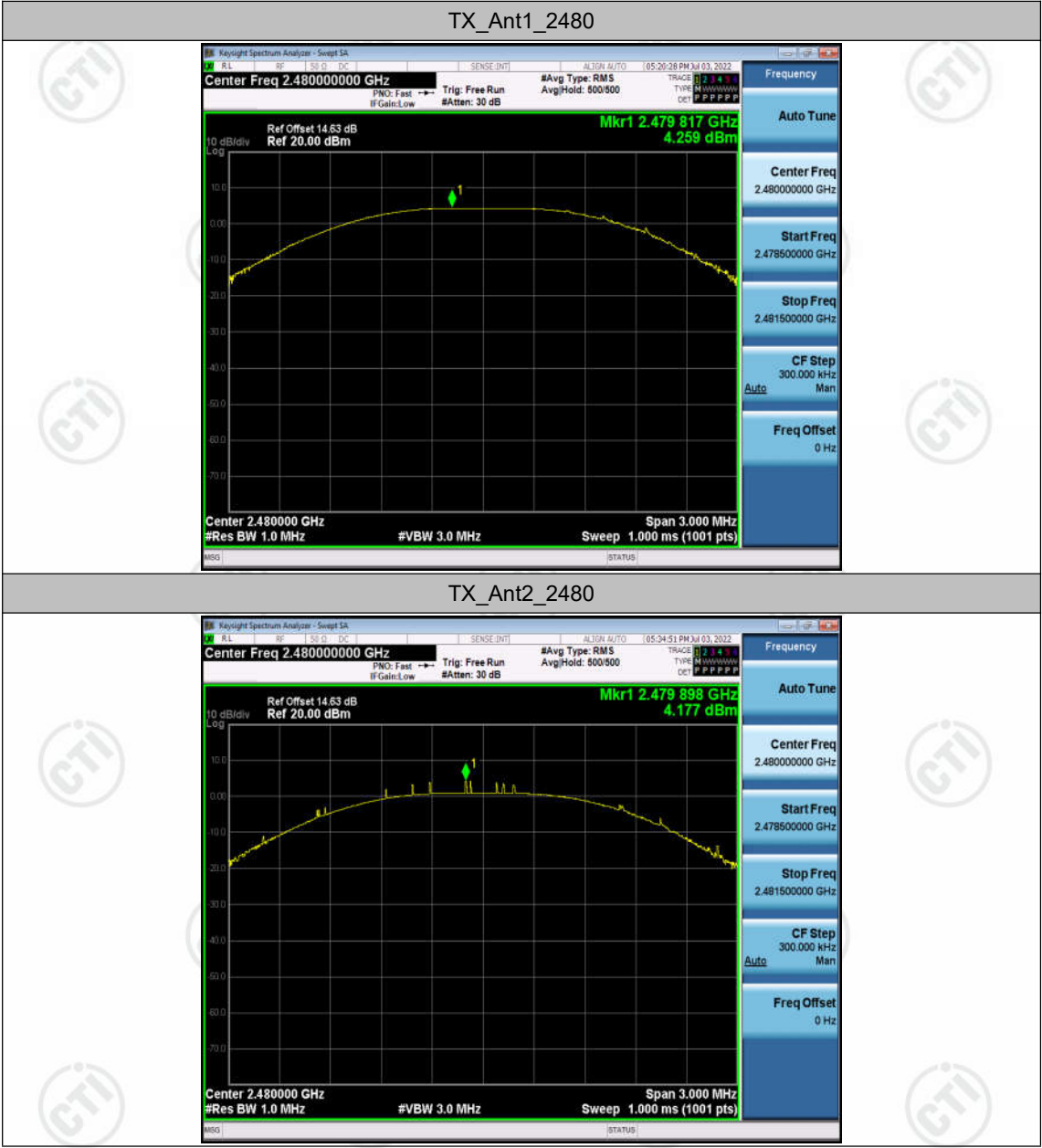
Test Graphs

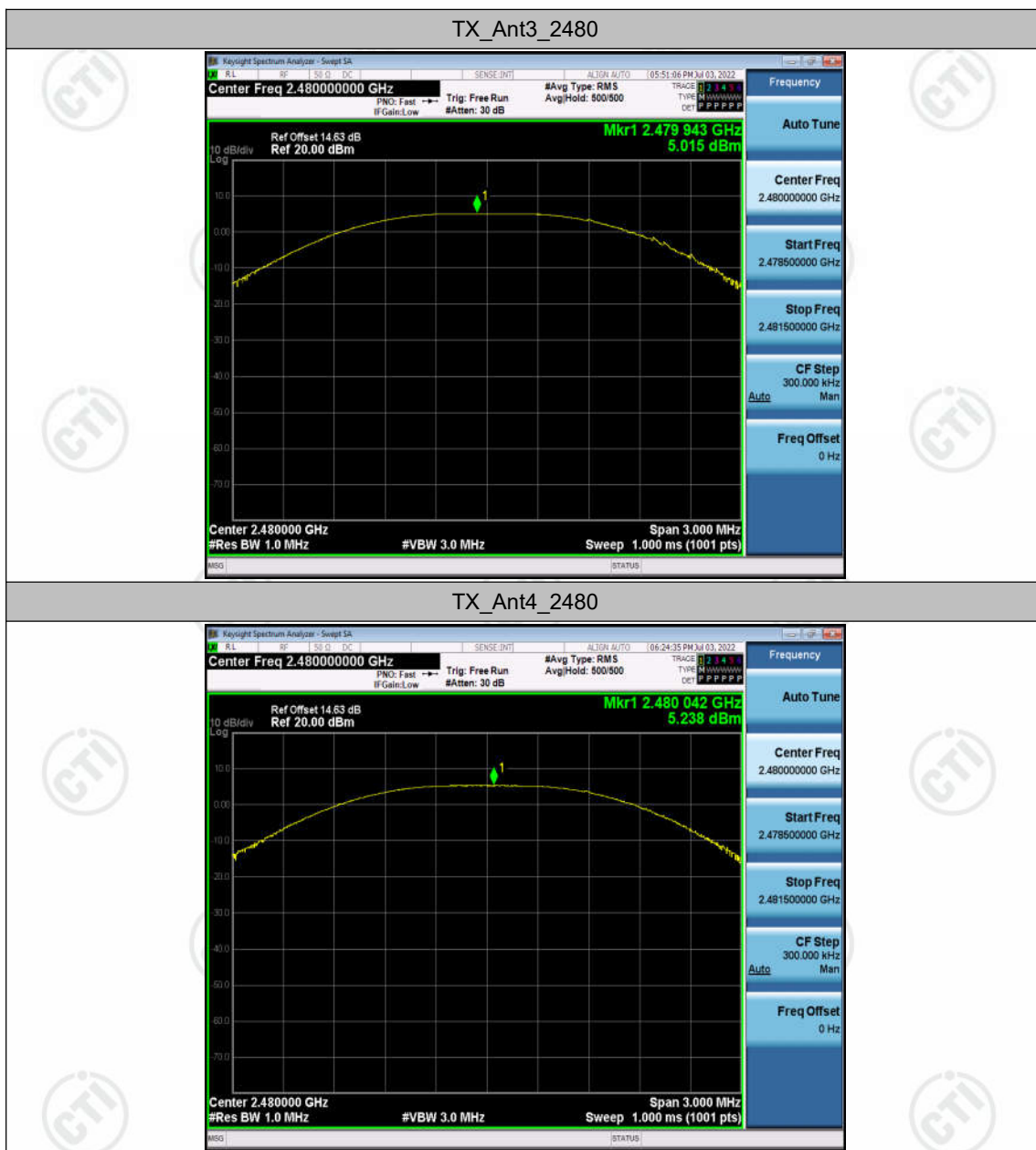










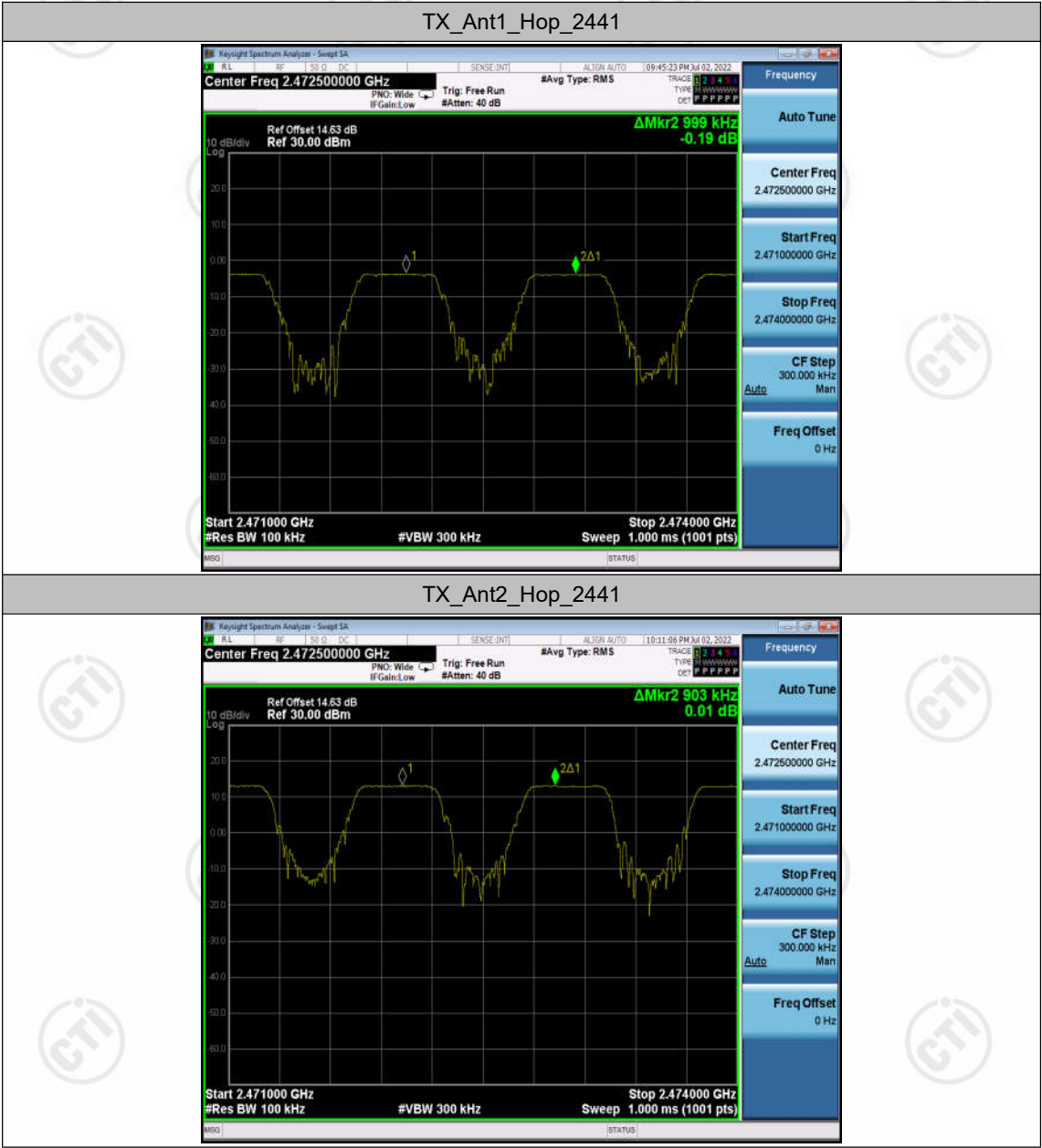


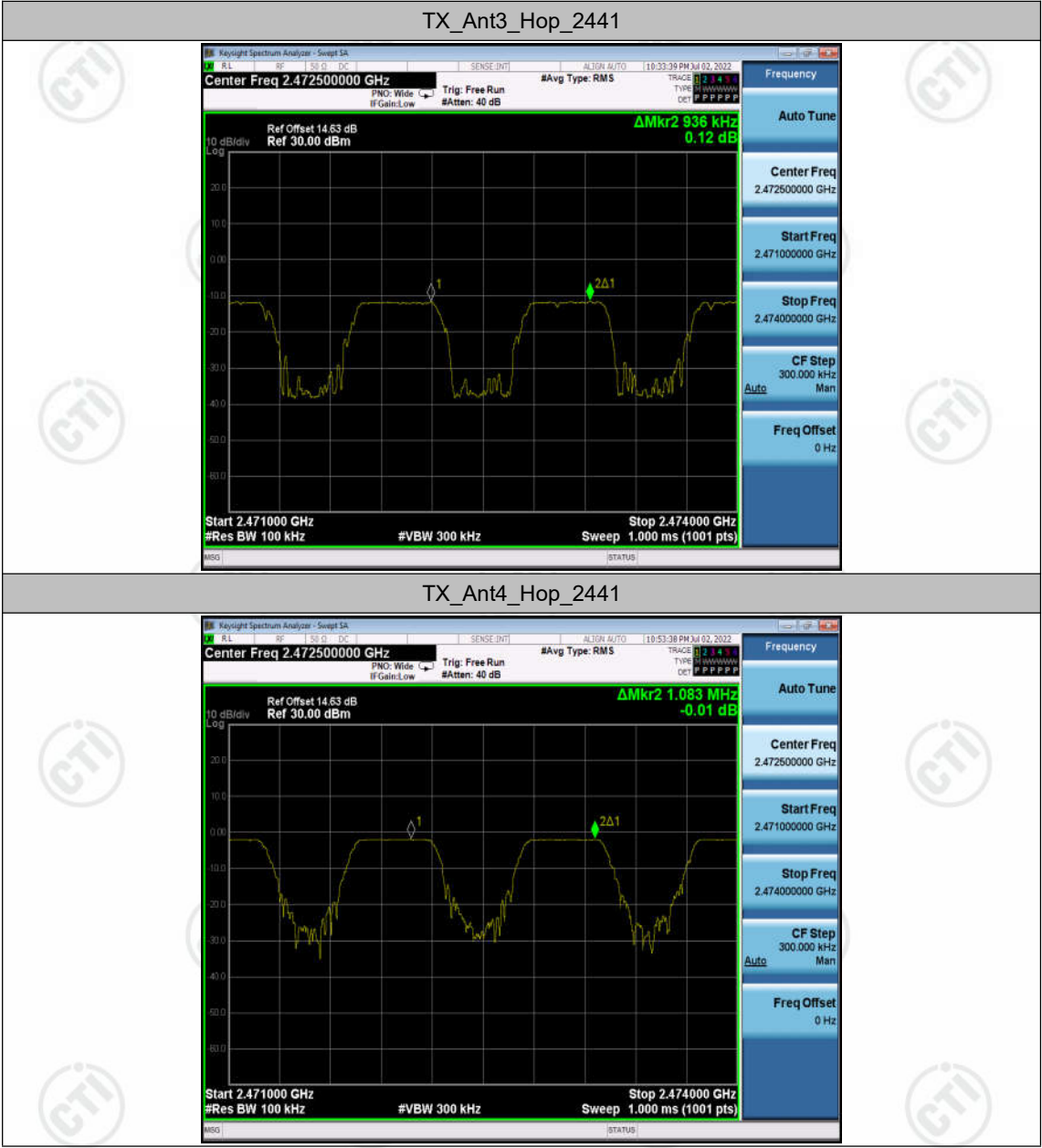
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
TX	Ant1	Hop_2441	0.999	≥0.531	PASS
	Ant2	Hop_2441	0.903	≥0.532	PASS
	Ant3	Hop_2441	0.936	≥0.525	PASS
	Ant4	Hop_2441	1.083	≥0.512	PASS

Test Graphs



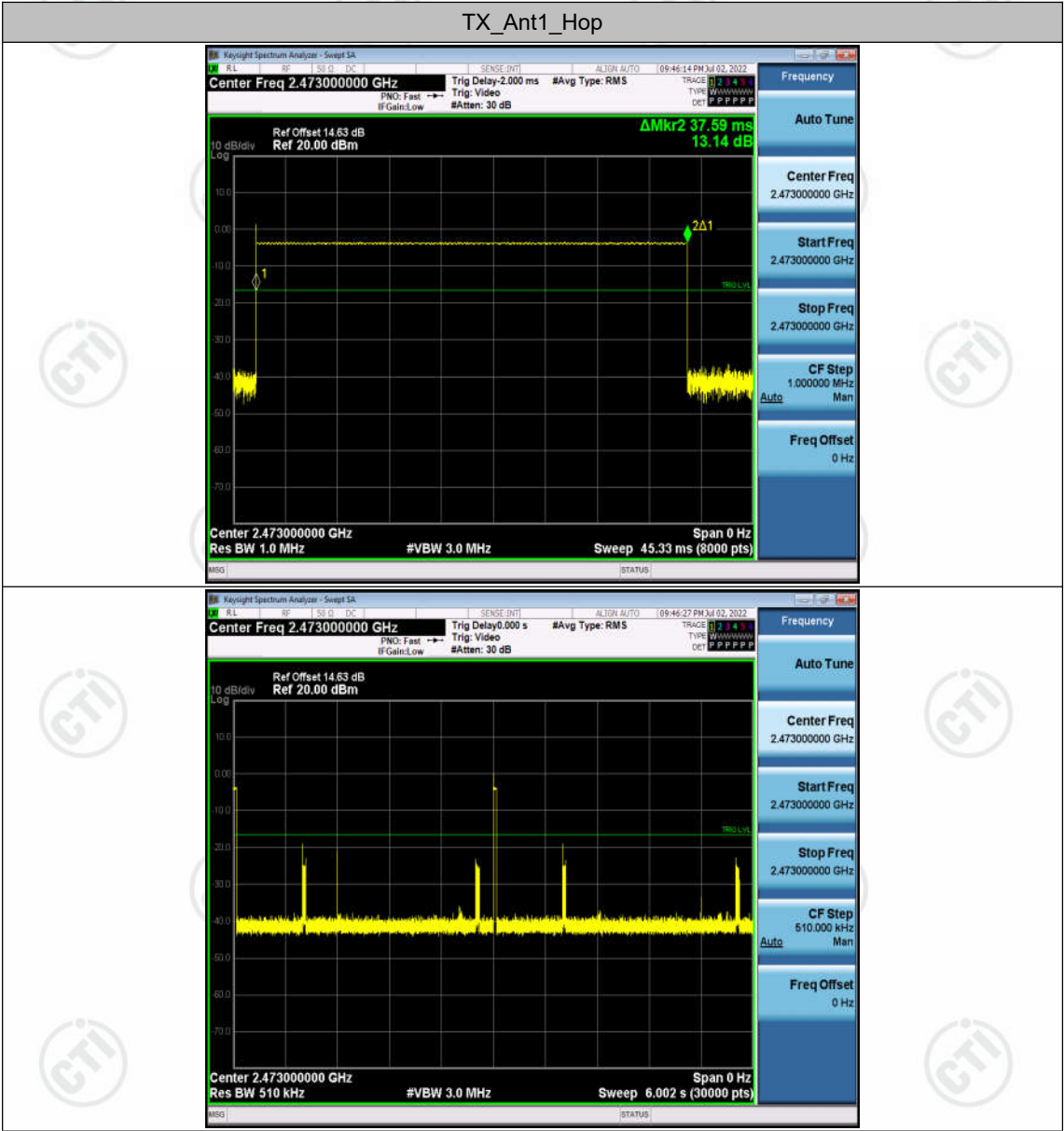


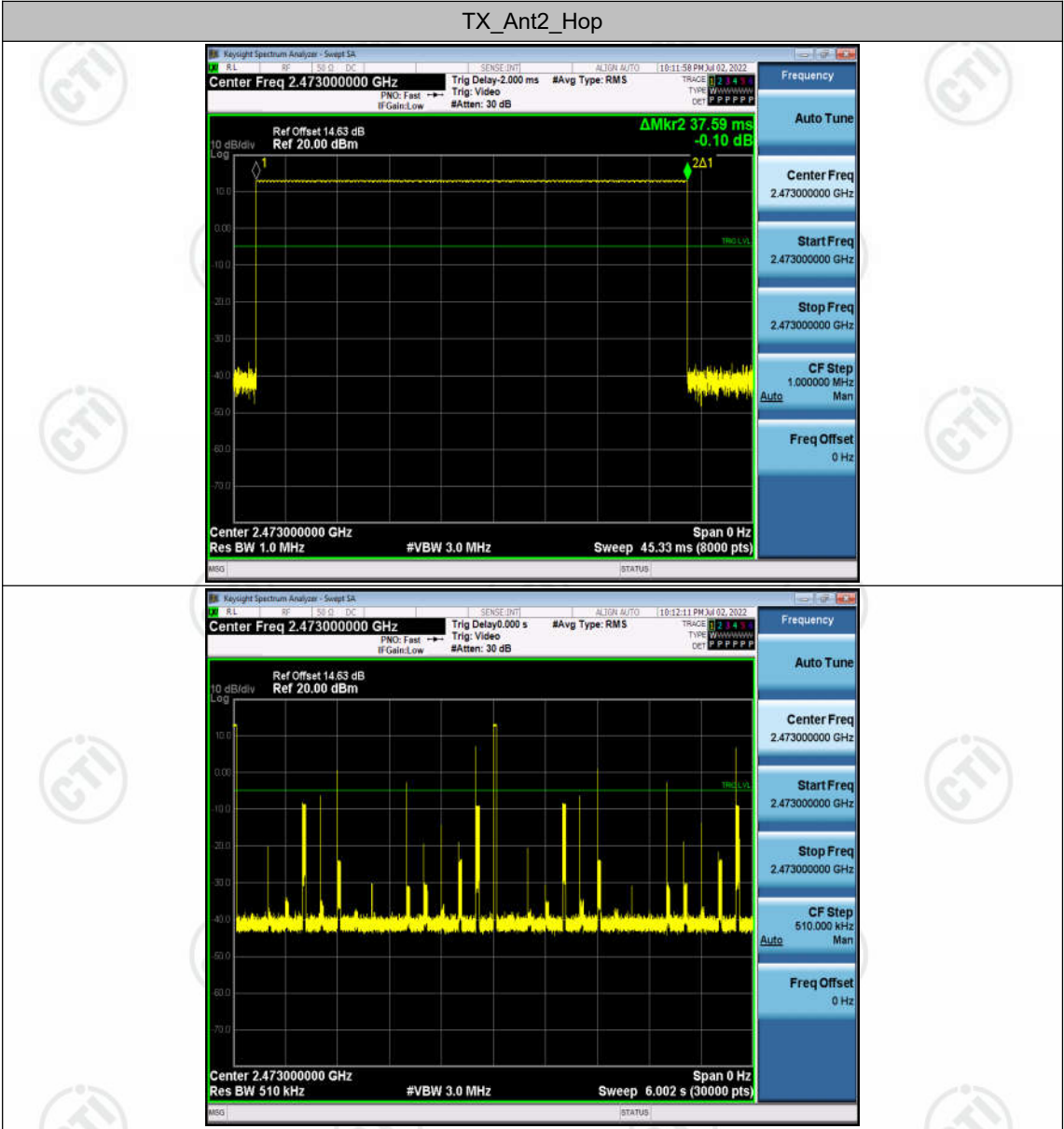
Appendix E: Time of occupancy

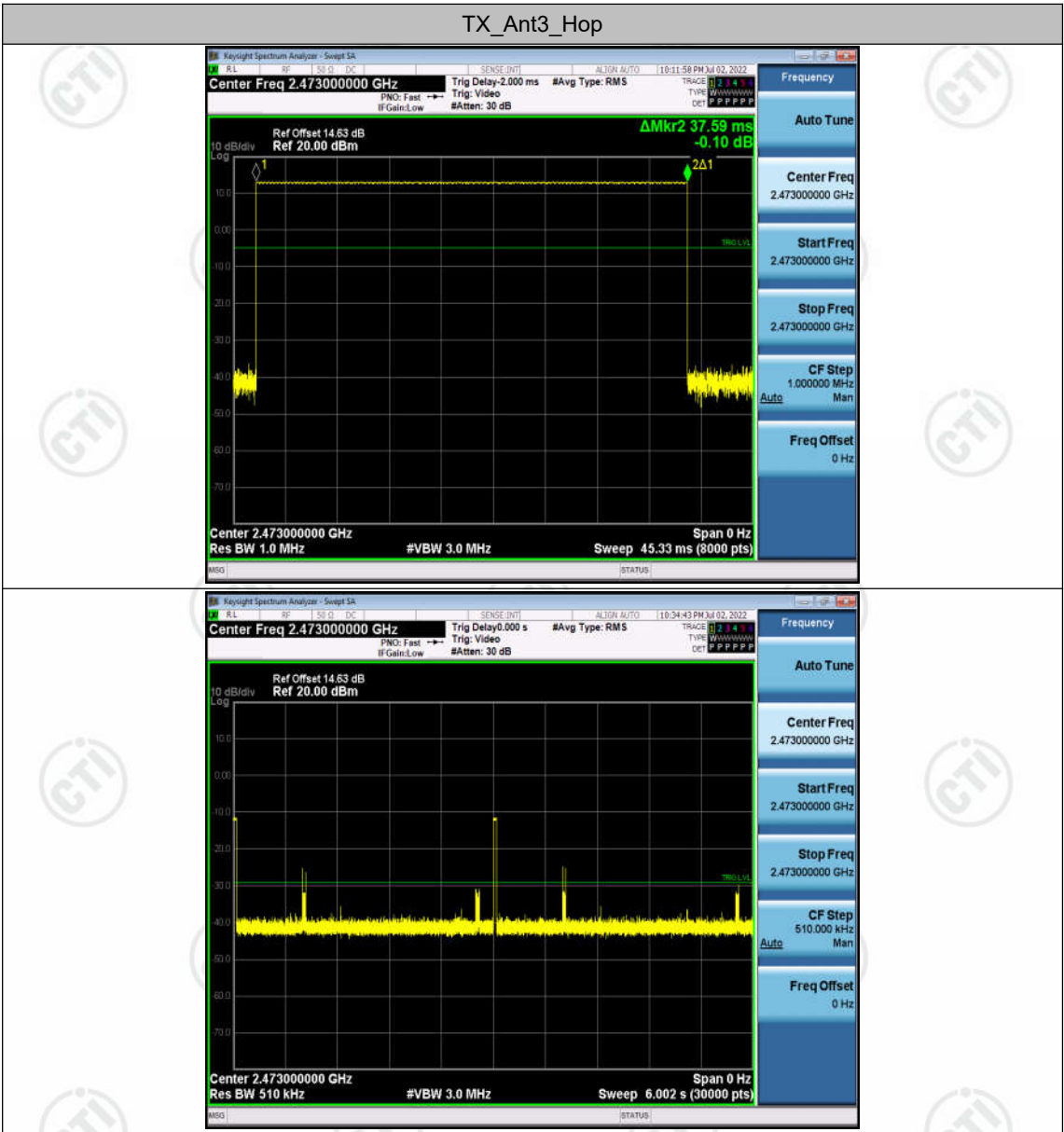
Test Result

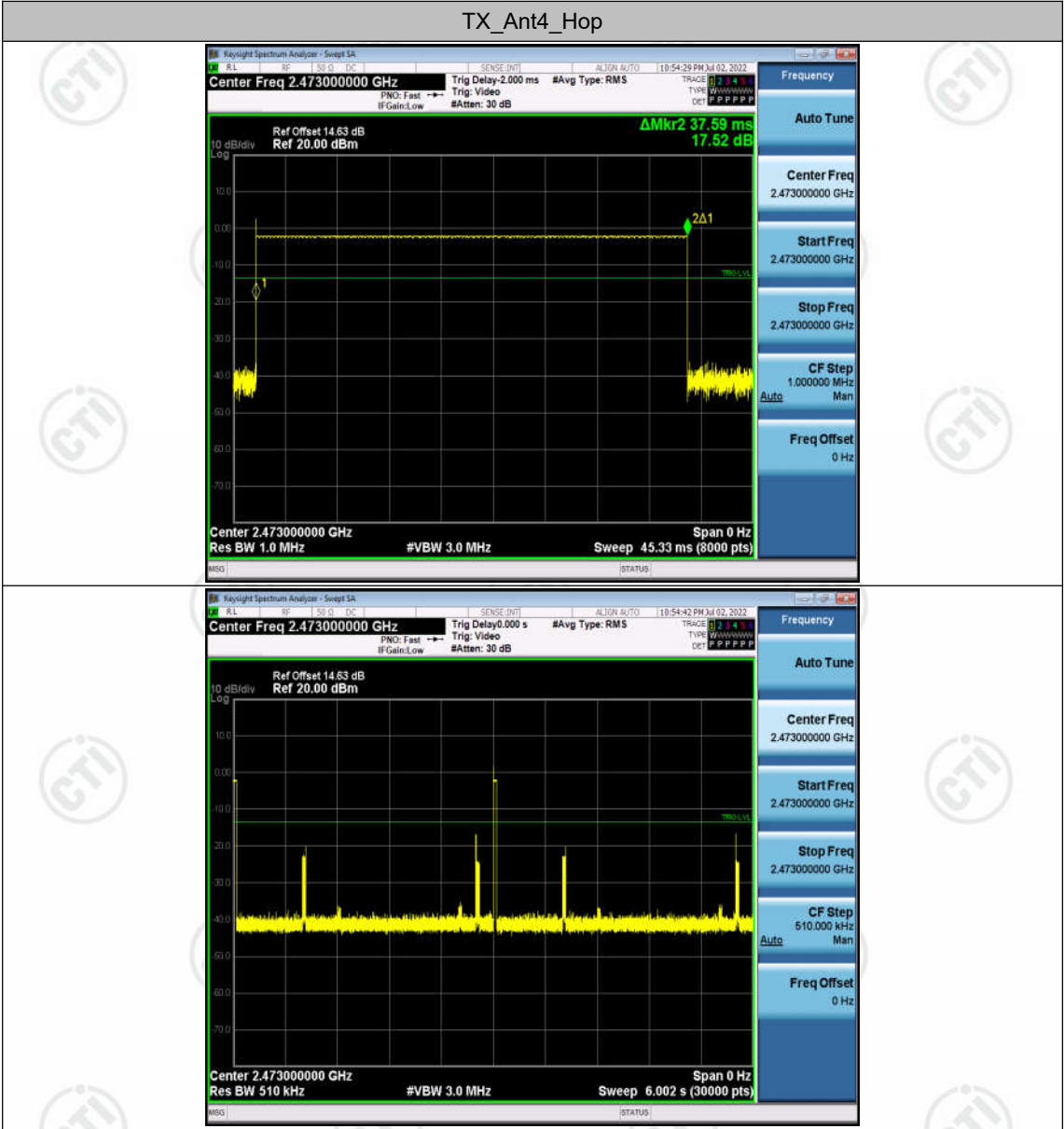
Test Mode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
TX	Ant1	Hop	37.59	2	0.075	≤0.4	PASS
	Ant2	Hop	37.59	3	0.113	≤0.4	PASS
	Ant3	Hop	37.59	2	0.075	≤0.4	PASS
	Ant4	Hop	37.59	2	0.075	≤0.4	PASS

Test Graphs







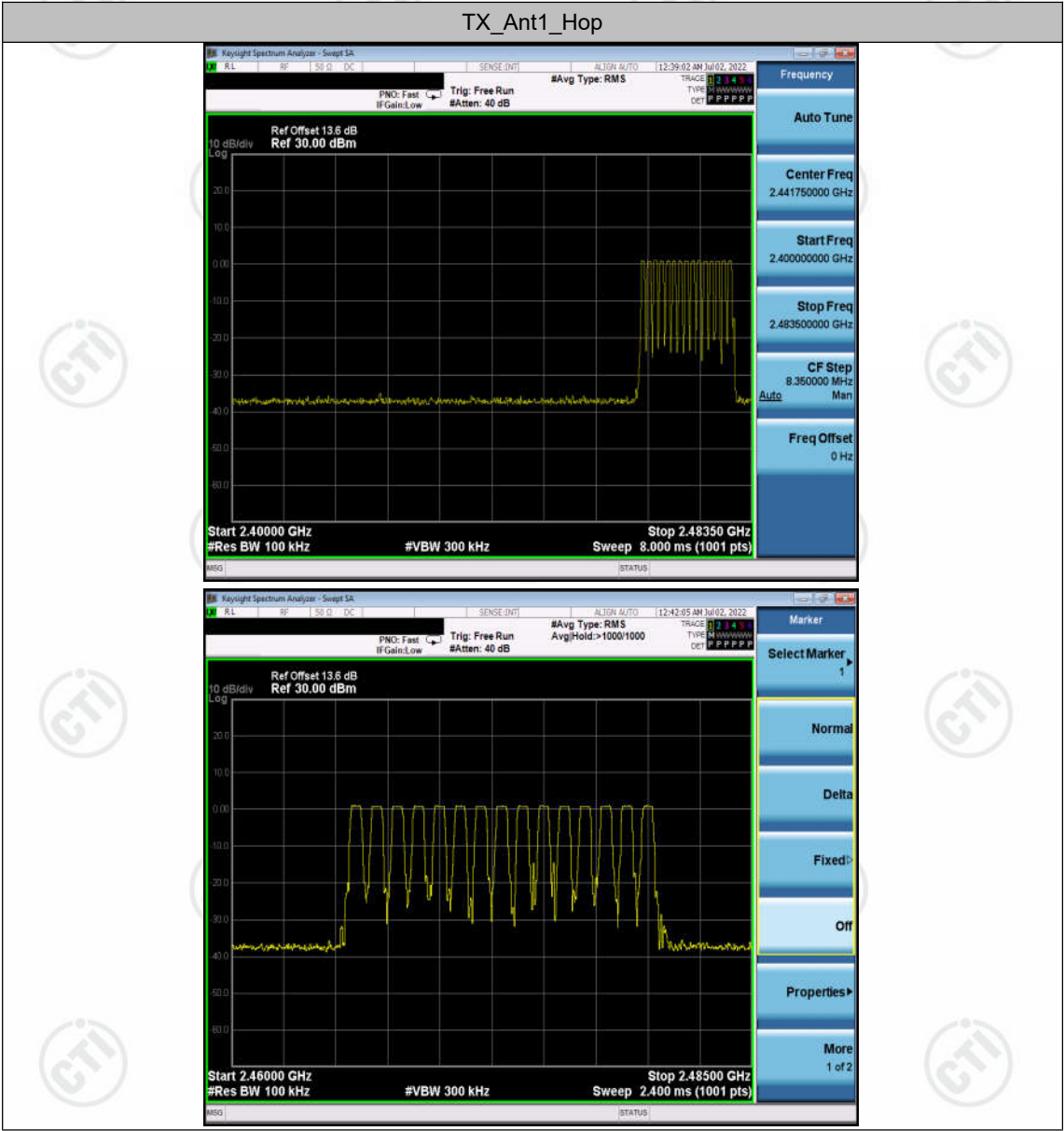


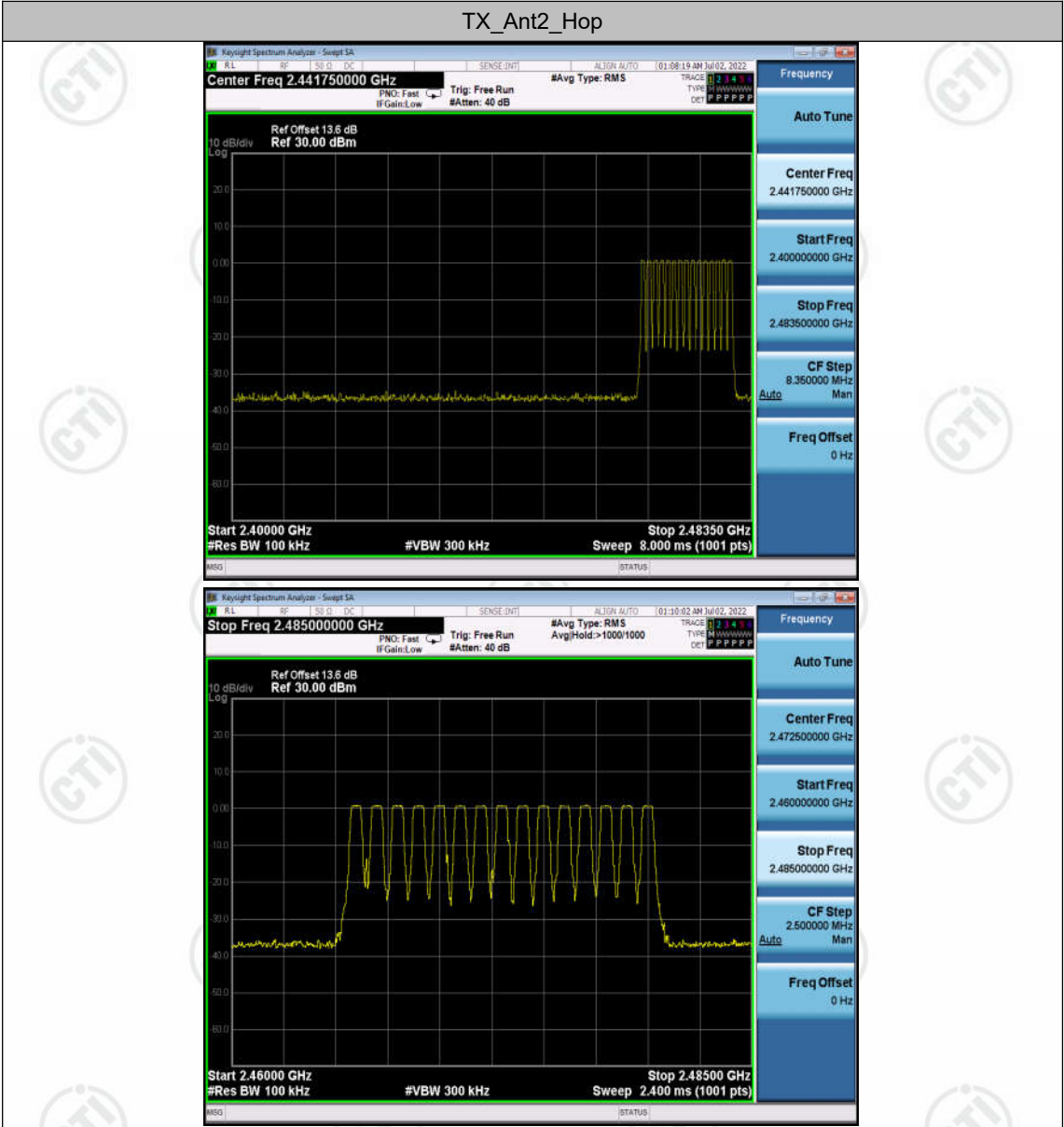
Appendix F: Number of hopping channels

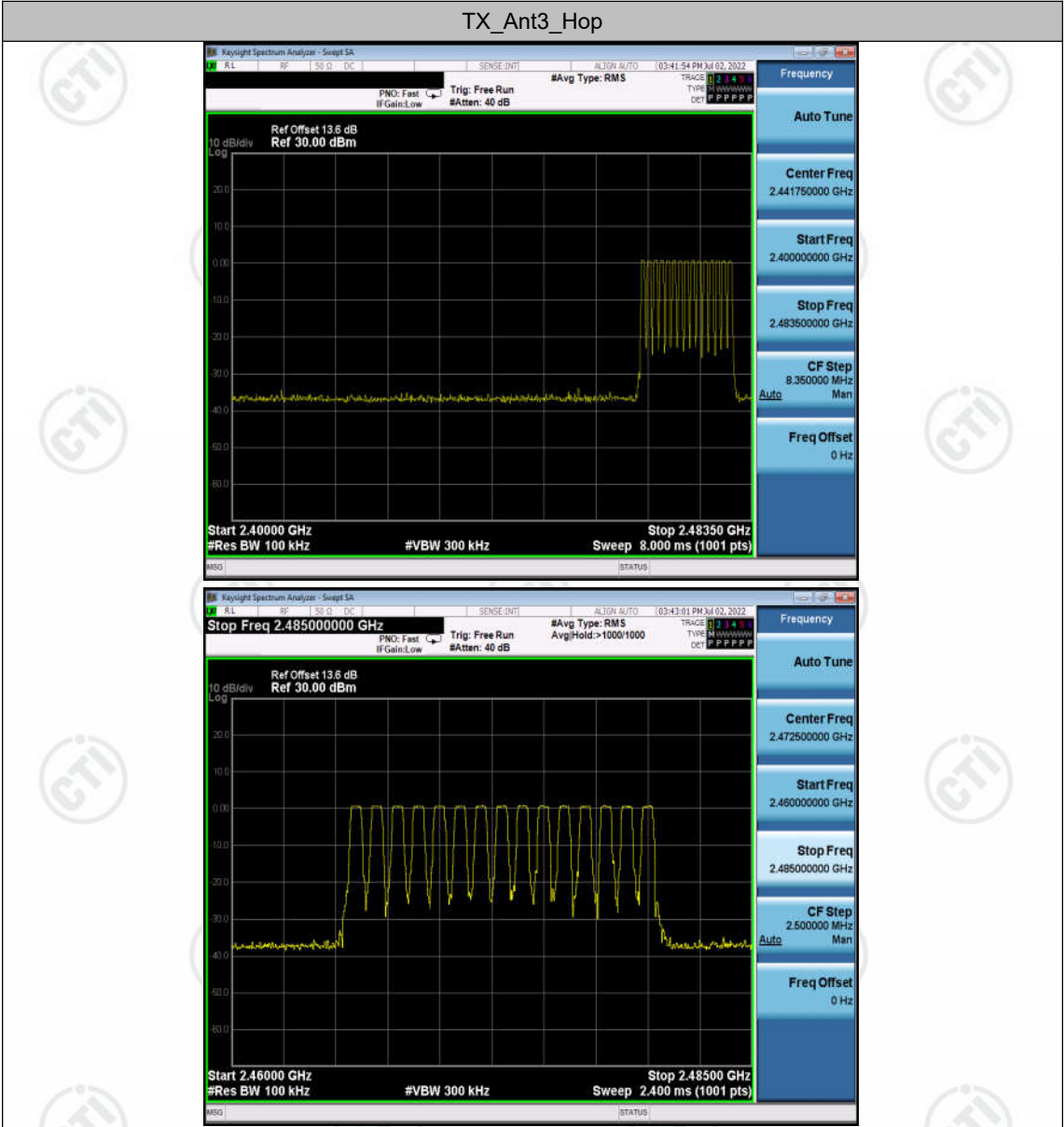
Test Result

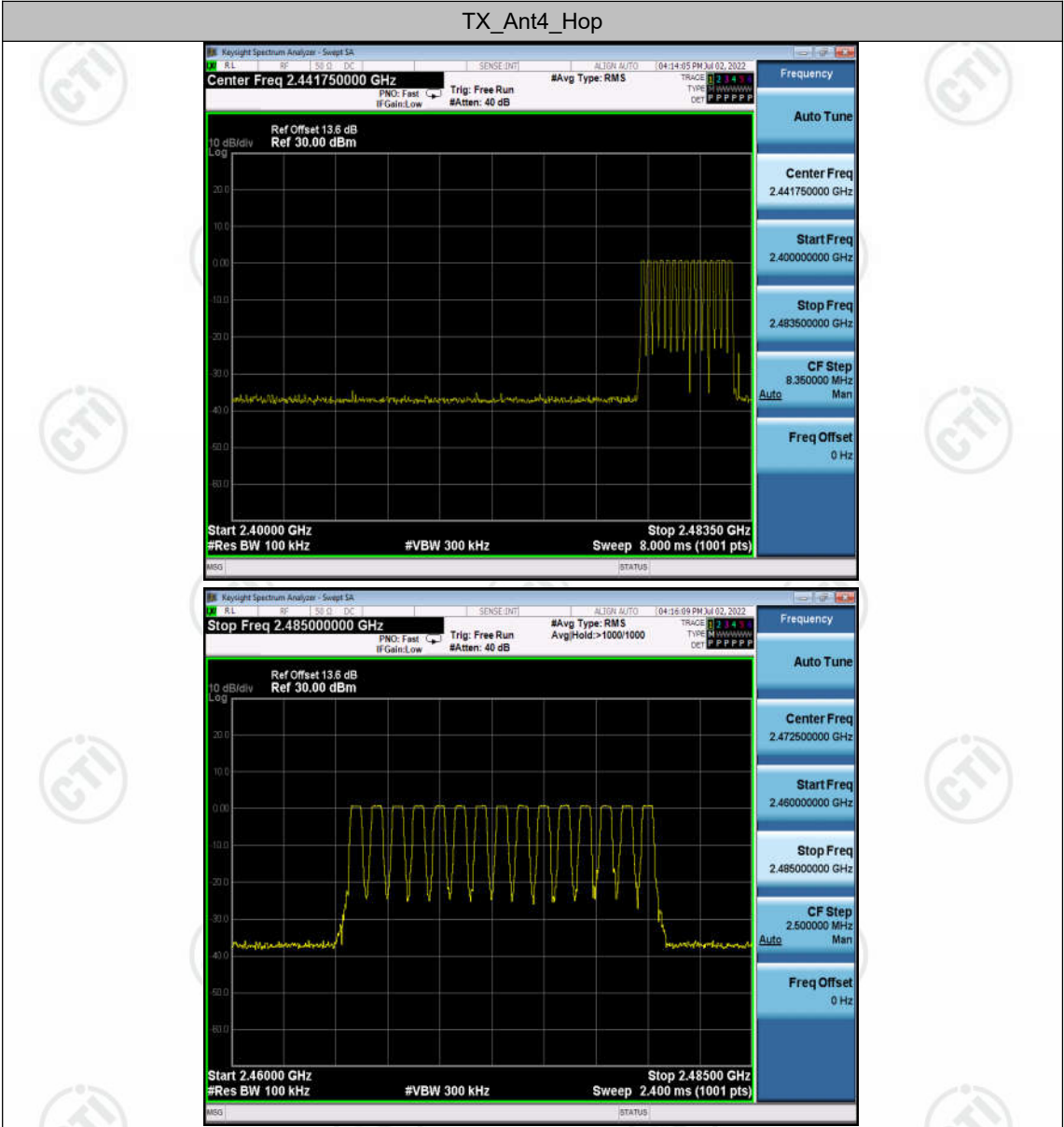
Test Mode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
TX	Ant1	Hop	15	≥15	PASS
	Ant2	Hop	15	≥15	PASS
	Ant3	Hop	15	≥15	PASS
	Ant4	Hop	15	≥15	PASS

Test Graphs









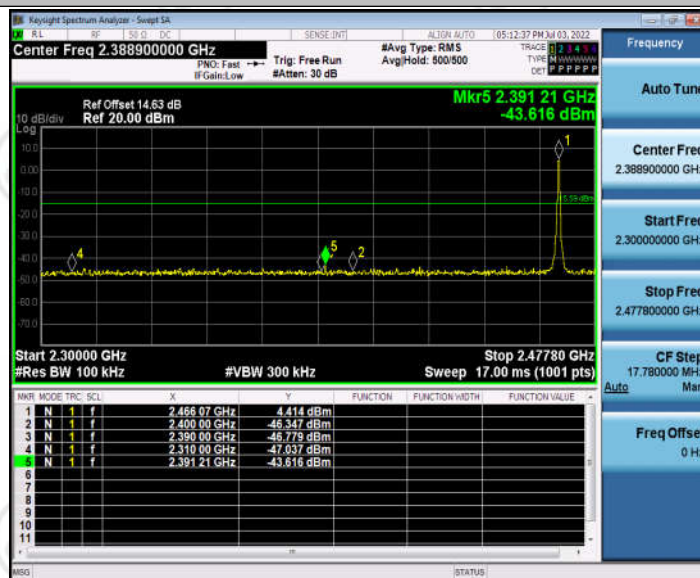
Appendix G: Band edge measurements

Test Result

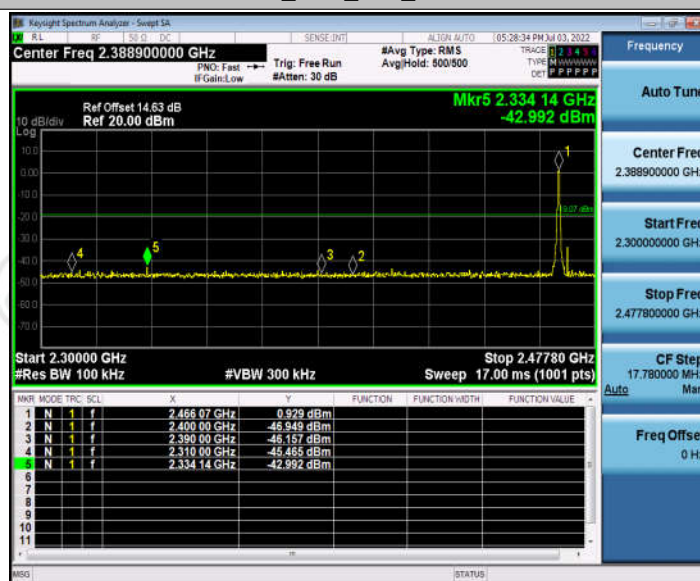
Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
TX	Ant1	Low	2466	4.41	-43.62	≤-15.59	PASS
	Ant2	Low	2466	0.93	-42.99	≤-19.07	PASS
	Ant3	Low	2466	5.41	-44.26	≤-14.59	PASS
	Ant4	Low	2466	5.23	-44.42	≤-14.78	PASS
	Ant1	High	2480	4.35	-44.48	≤-15.65	PASS
	Ant2	High	2480	0.89	-44.46	≤-19.11	PASS
	Ant3	High	2480	5.12	-44.45	≤-14.89	PASS
	Ant4	High	2480	5.35	-44.3	≤-14.65	PASS
	Ant1	Low	Hop	4.13	-44.23	≤-15.87	PASS
	Ant2	Low	Hop	0.89	-44.59	≤-19.11	PASS
	Ant3	Low	Hop	5.01	-44.7	≤-14.99	PASS
	Ant4	Low	Hop	5.13	-44.42	≤-14.87	PASS
	Ant1	High	Hop	4.25	-43.81	≤-15.75	PASS
	Ant2	High	Hop	0.90	-43.7	≤-19.11	PASS
	Ant3	High	Hop	5.13	-44.23	≤-14.87	PASS
	Ant4	High	Hop	5.36	-44.2	≤-14.64	PASS

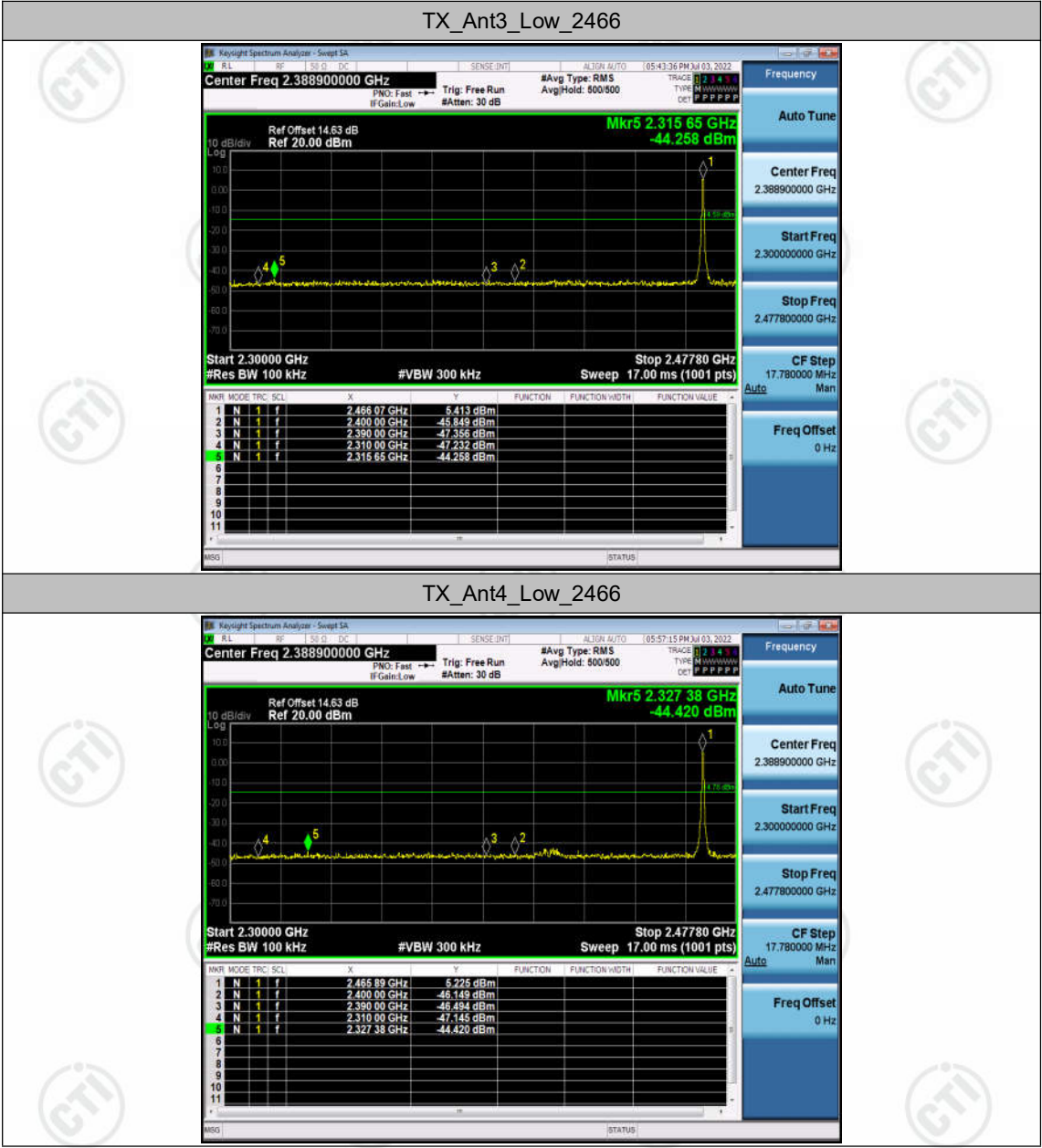
Test Graphs

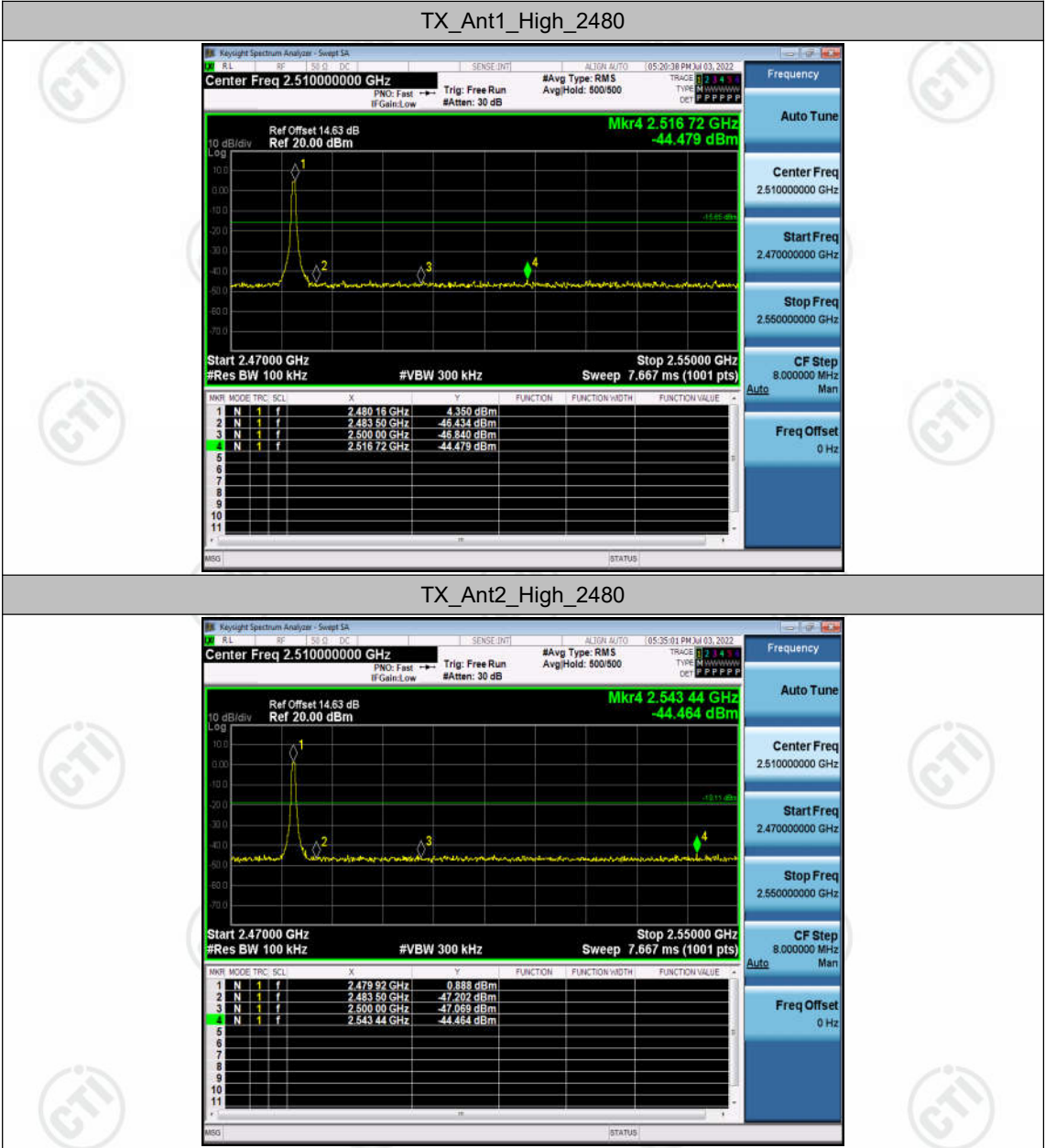
TX_Ant1_Low_2466

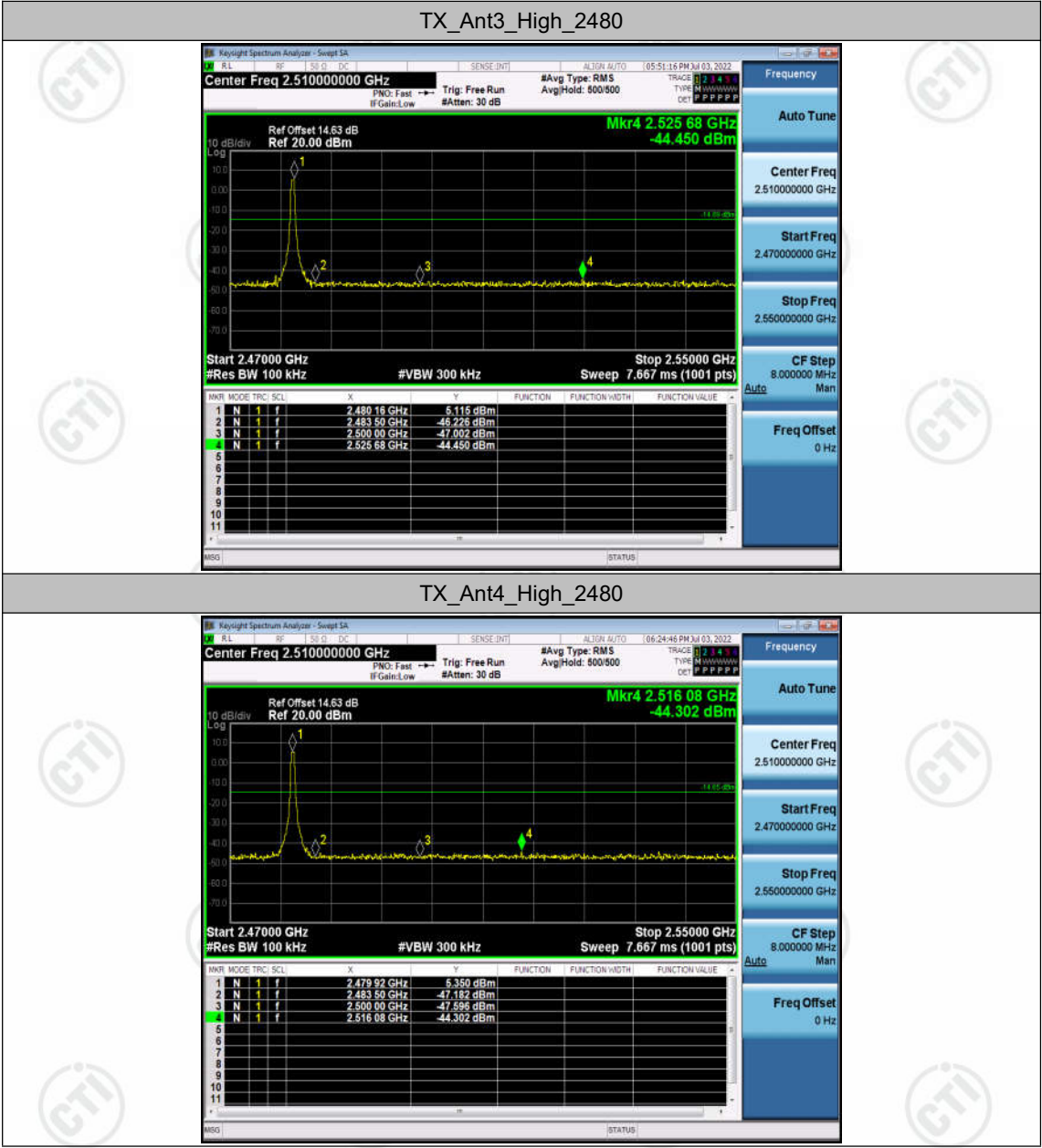


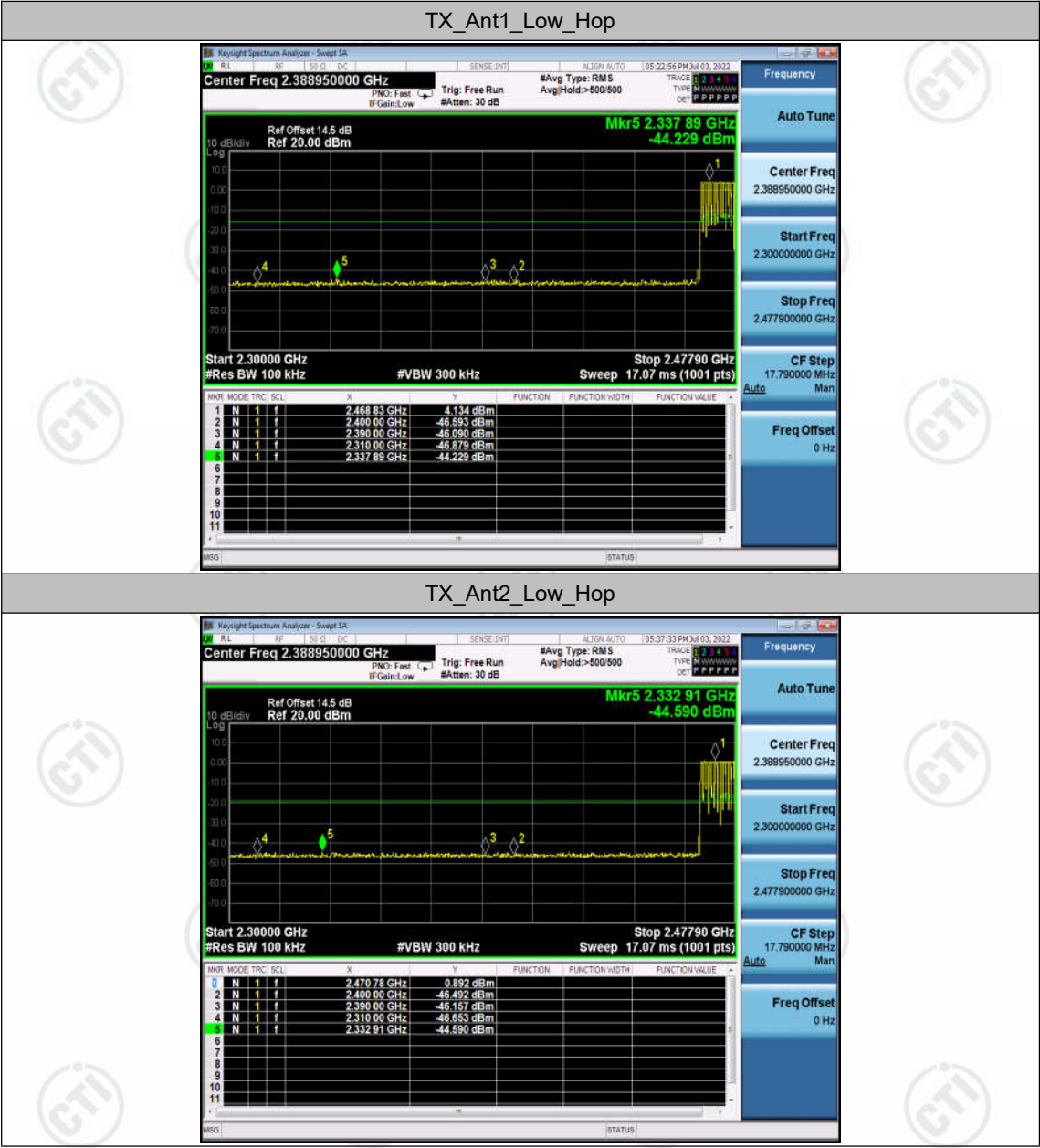
TX_Ant2_Low_2466



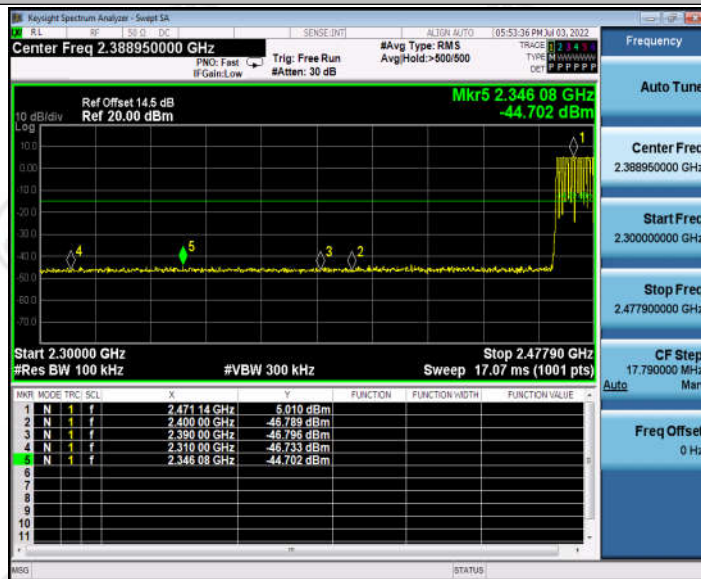








TX_Ant3_Low_Hop



TX_Ant4_Low_Hop

