

Appendix: Bluetooth Classic

Contents

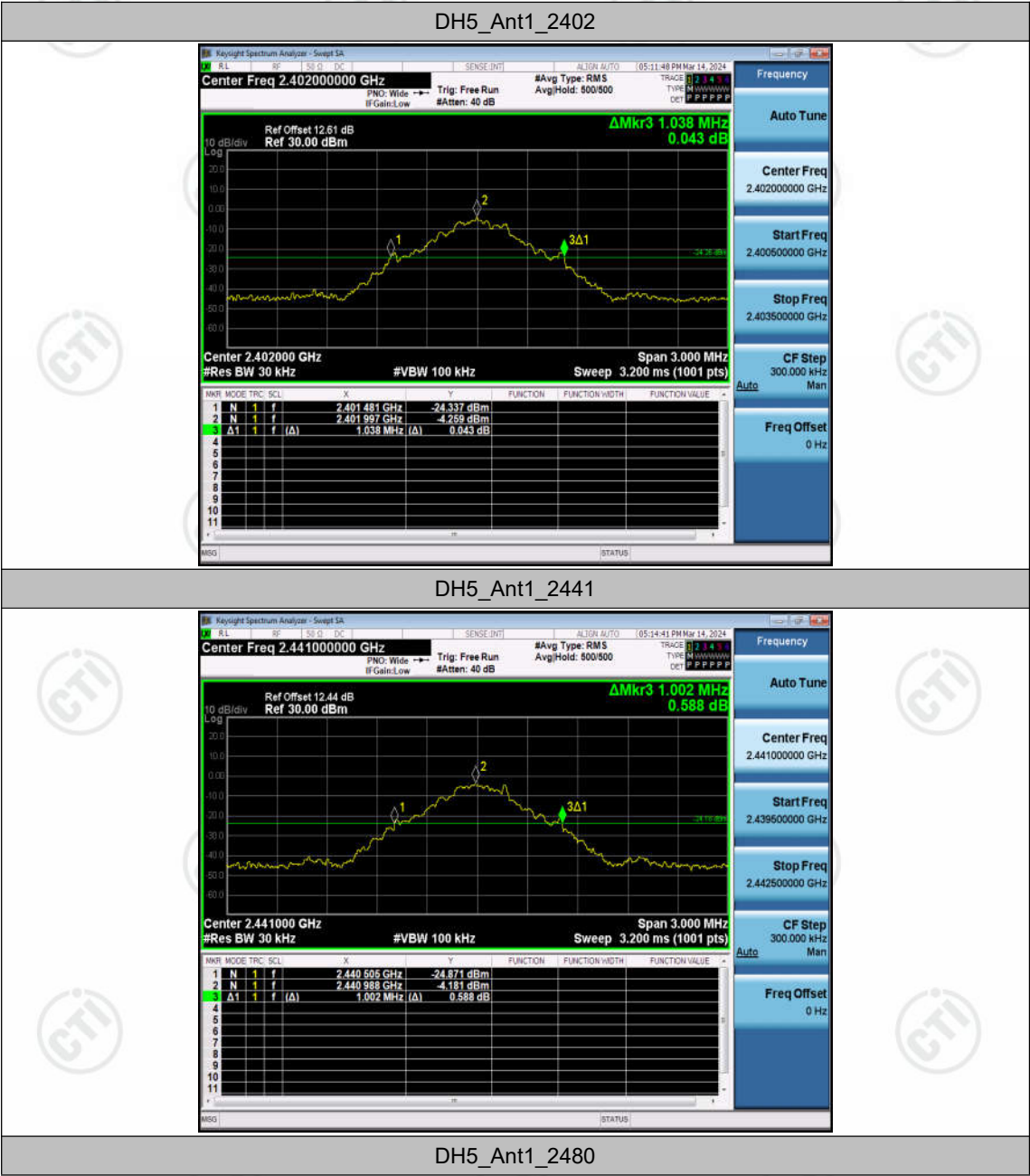
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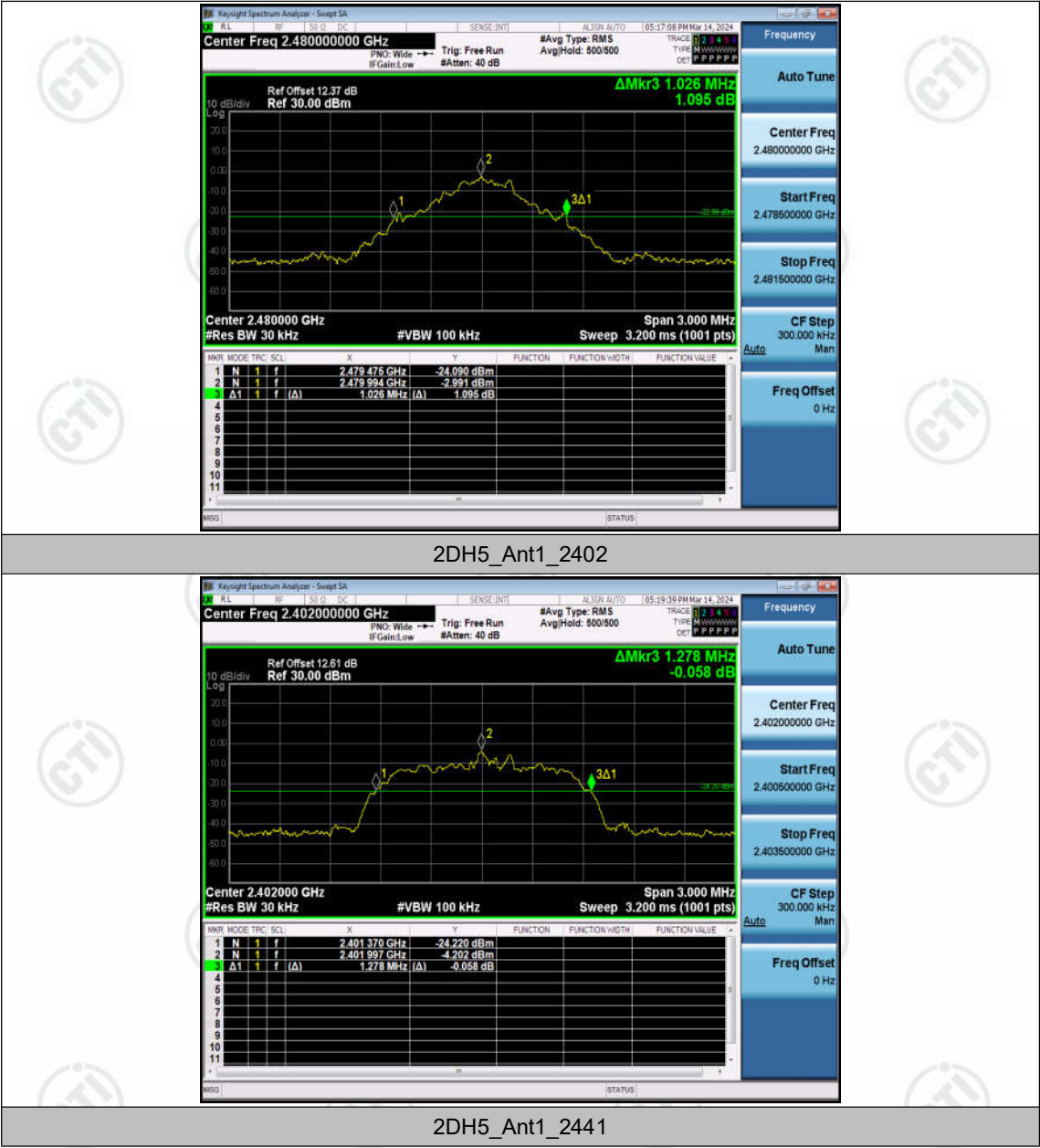
Appendix A: 20dB Emission Bandwidth

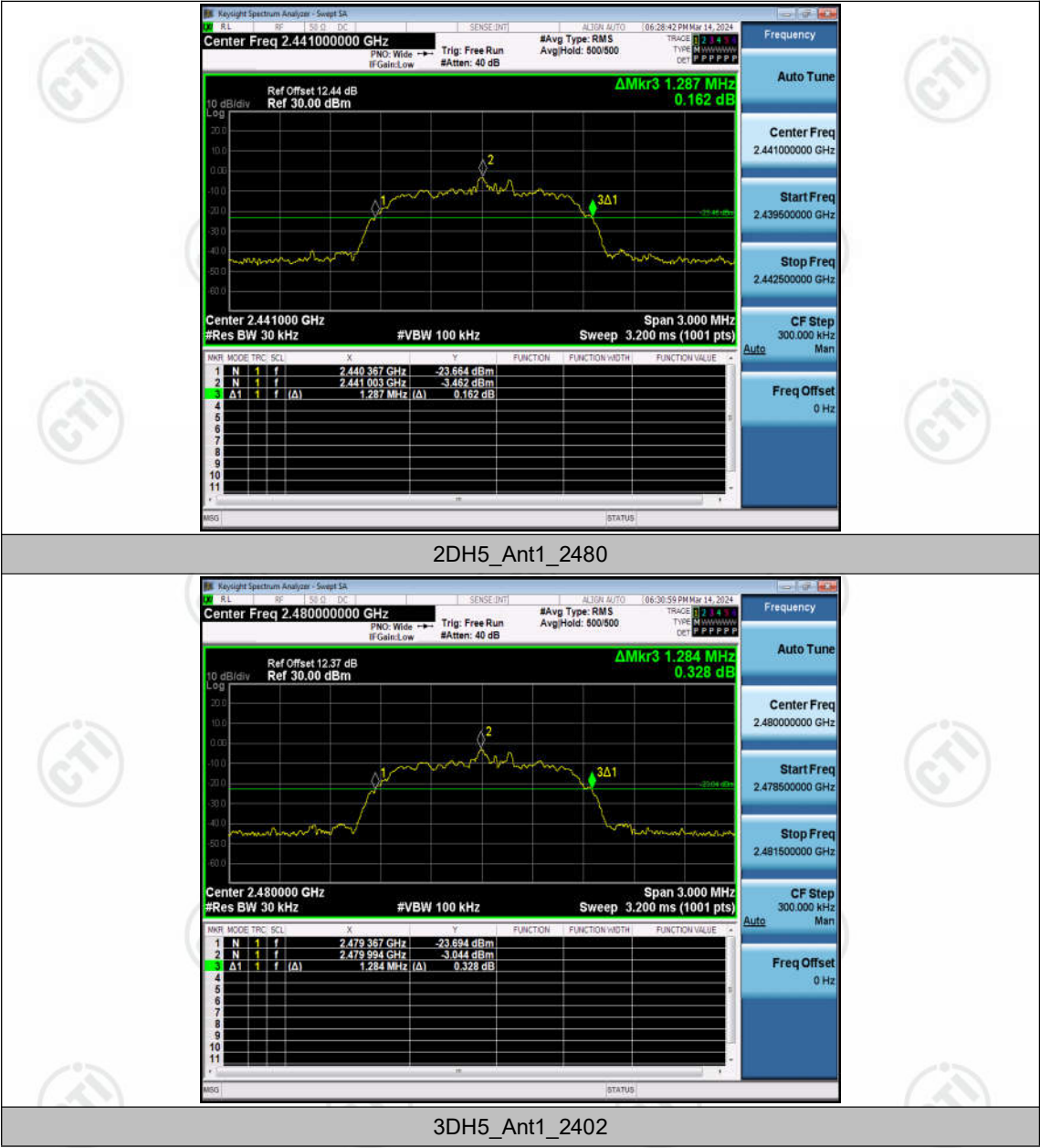
Test Result

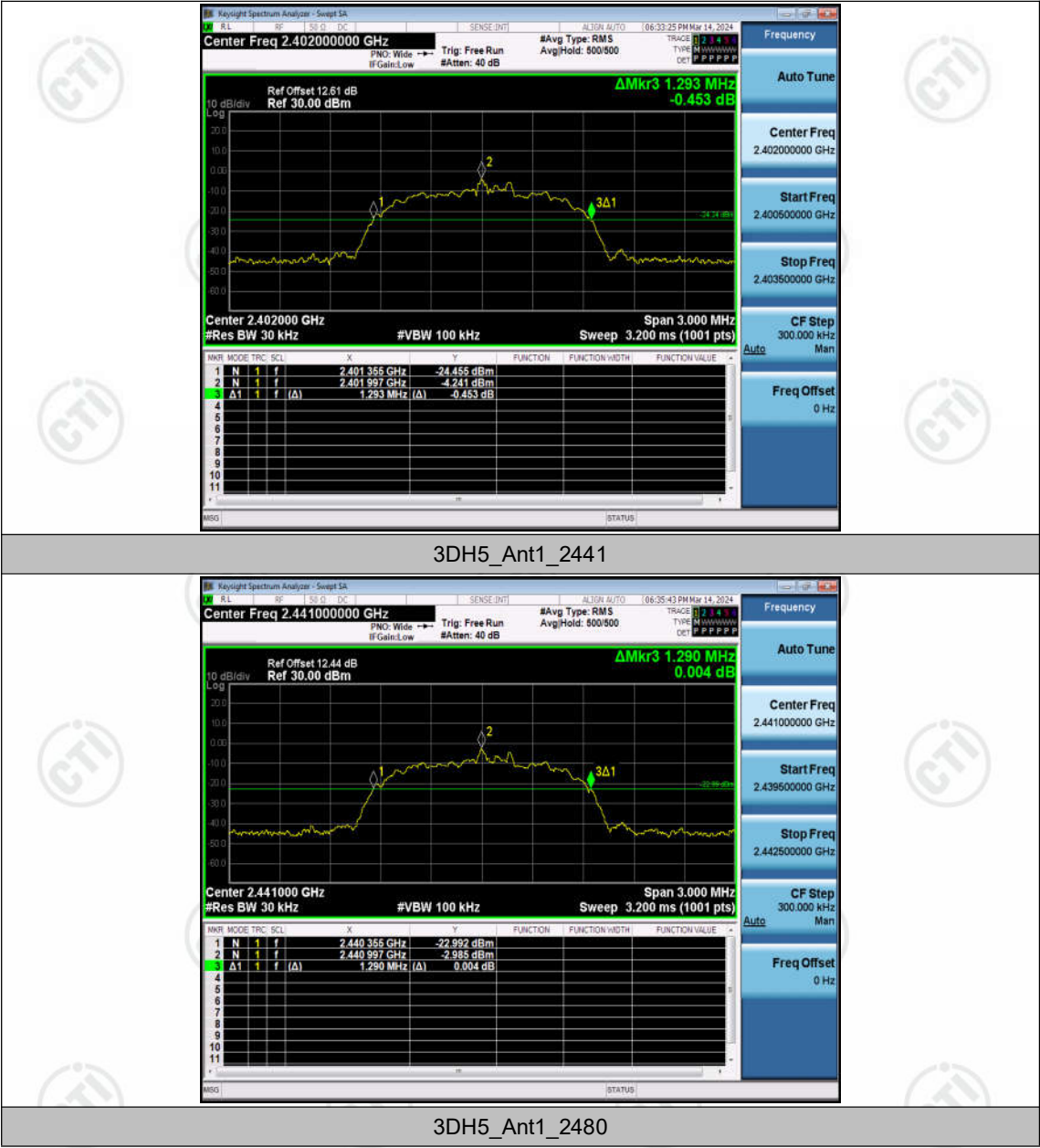
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.038	2401.481	2402.519	---	---
		2441	1.002	2440.505	2441.507	---	---
		2480	1.026	2479.475	2480.501	---	---
2DH5	Ant1	2402	1.278	2401.370	2402.648	---	---
		2441	1.287	2440.367	2441.654	---	---
		2480	1.284	2479.367	2480.651	---	---
3DH5	Ant1	2402	1.293	2401.355	2402.648	---	---
		2441	1.290	2440.355	2441.645	---	---
		2480	1.296	2479.352	2480.648	---	---

Test Graphs









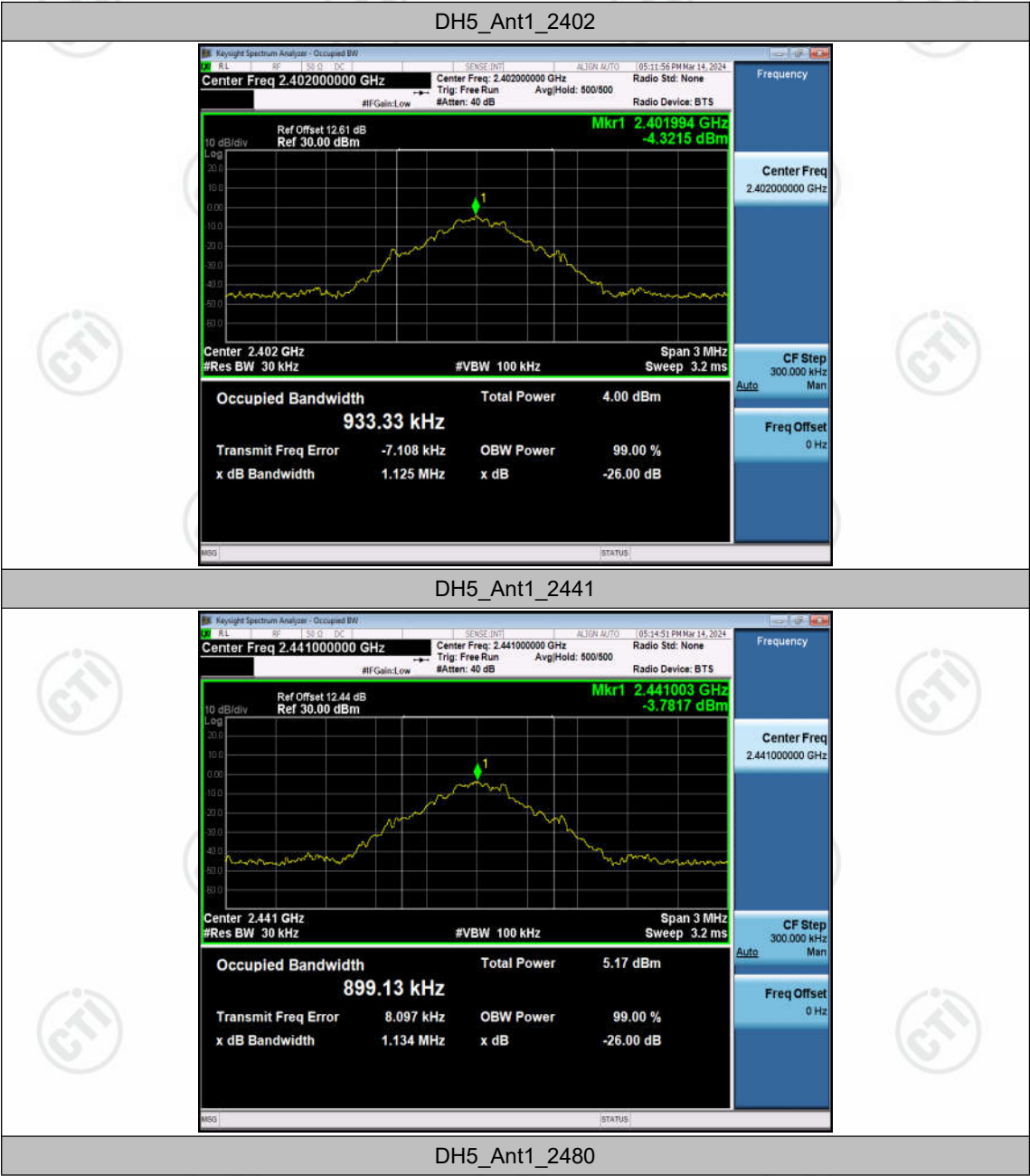


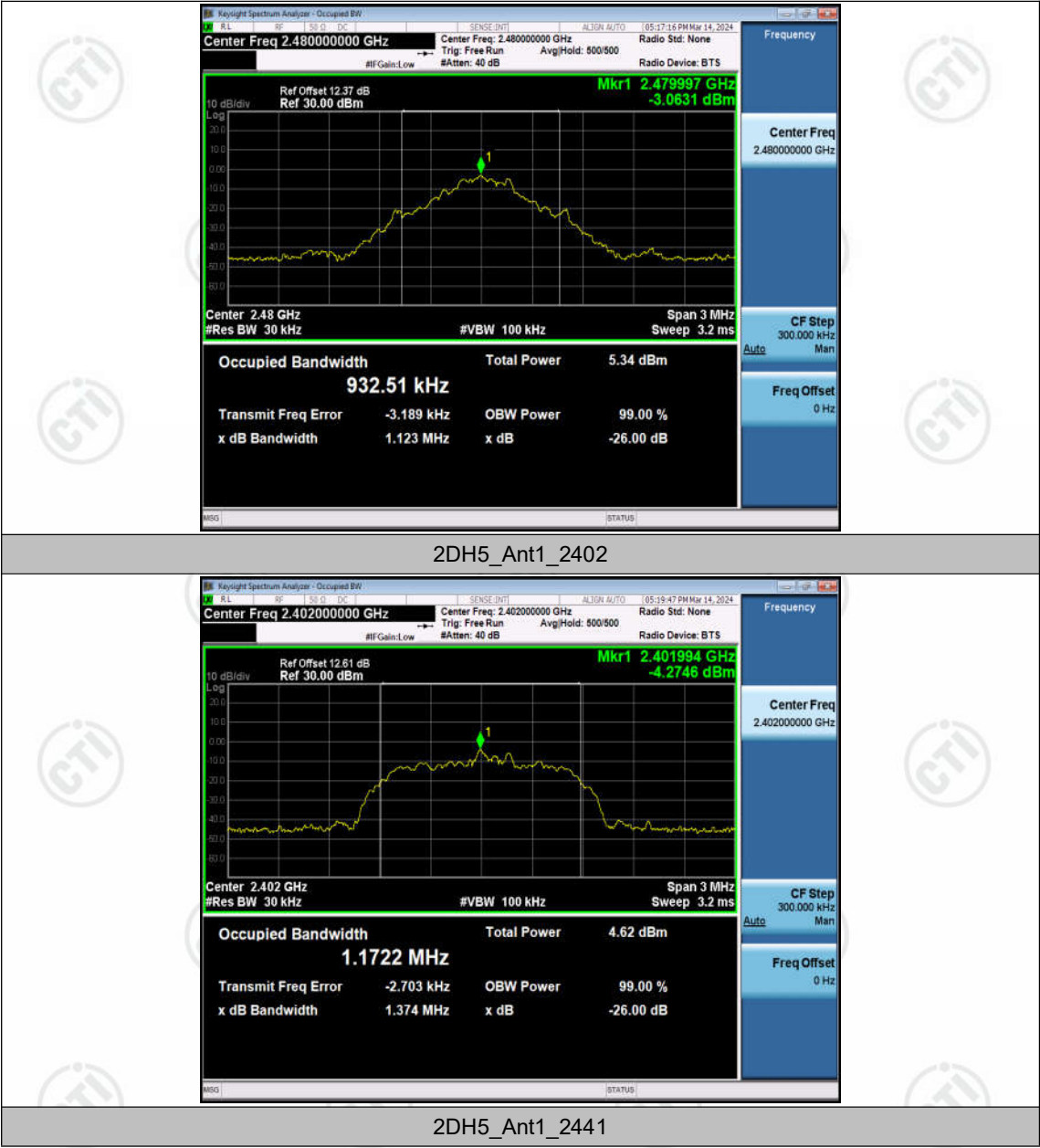
Appendix B: Occupied Channel Bandwidth

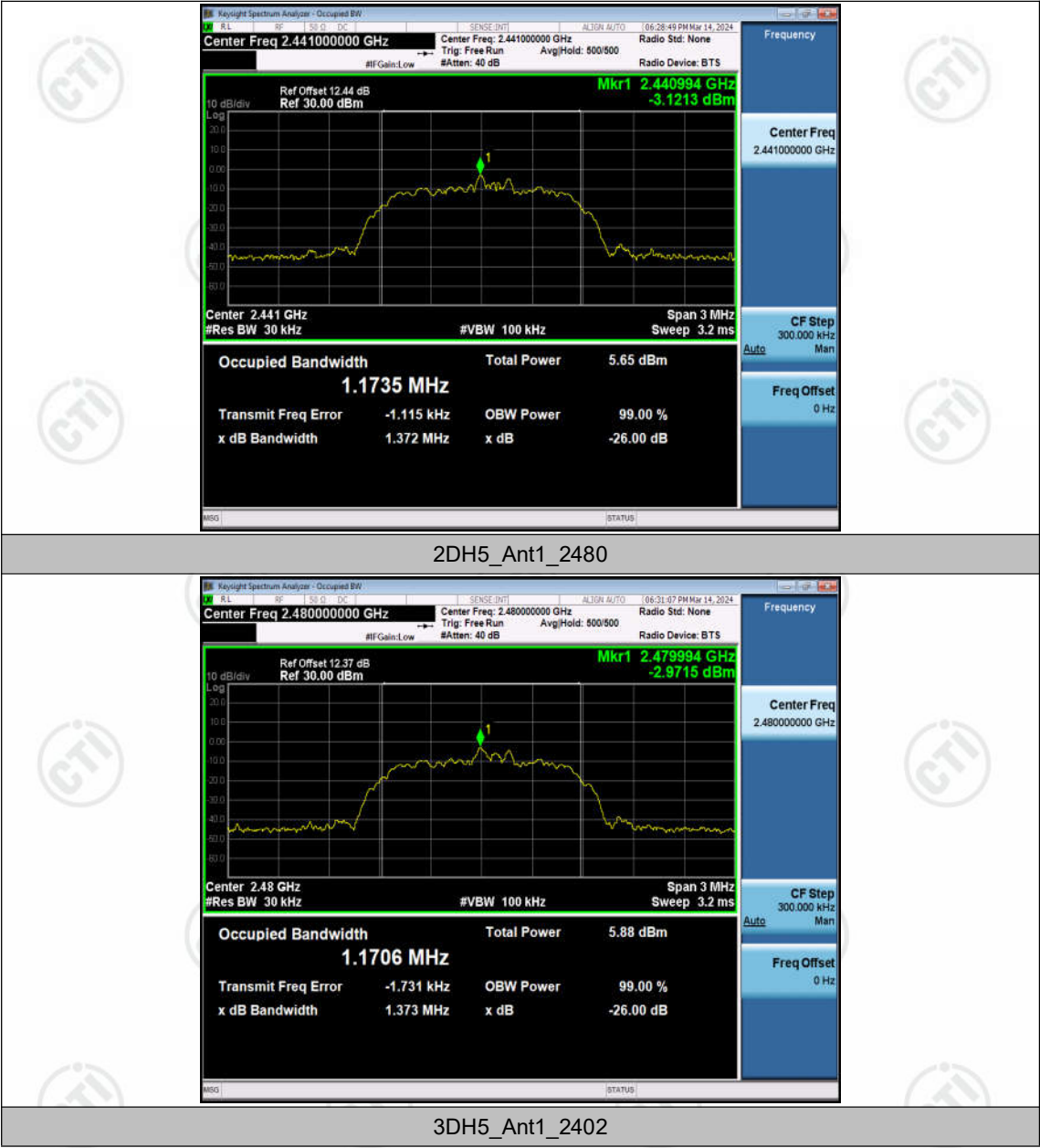
Test Result

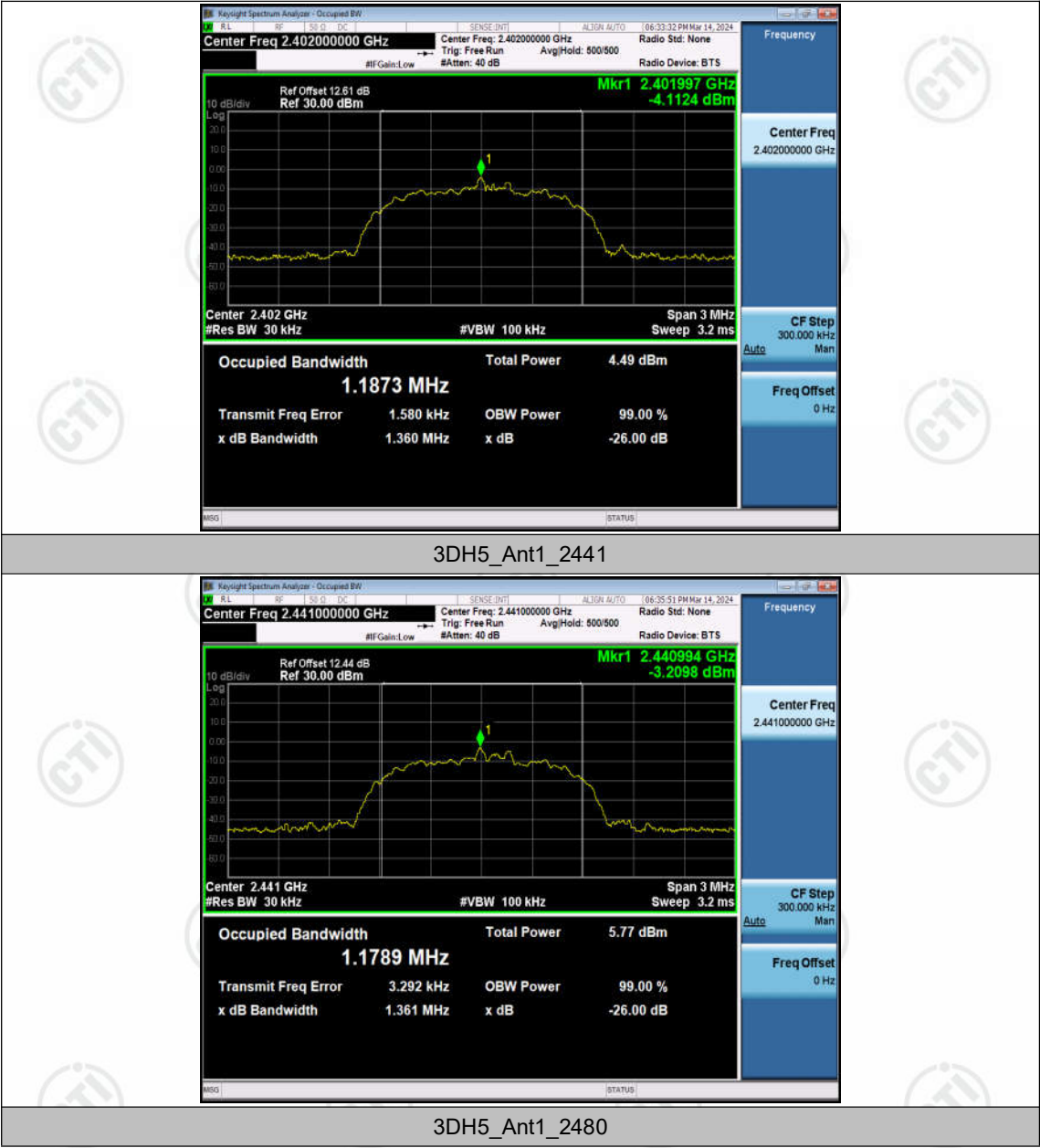
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.93333	2401.5262	2402.4596	---	---
		2441	0.89913	2440.5585	2441.4577	---	---
		2480	0.93251	2479.5306	2480.4631	---	---
2DH5	Ant1	2402	1.1722	2401.4112	2402.5834	---	---
		2441	1.1735	2440.4121	2441.5856	---	---
		2480	1.1706	2479.4130	2480.5836	---	---
3DH5	Ant1	2402	1.1873	2401.4079	2402.5952	---	---
		2441	1.1789	2440.4138	2441.5927	---	---
		2480	1.1807	2479.4125	2480.5932	---	---

Test Graphs









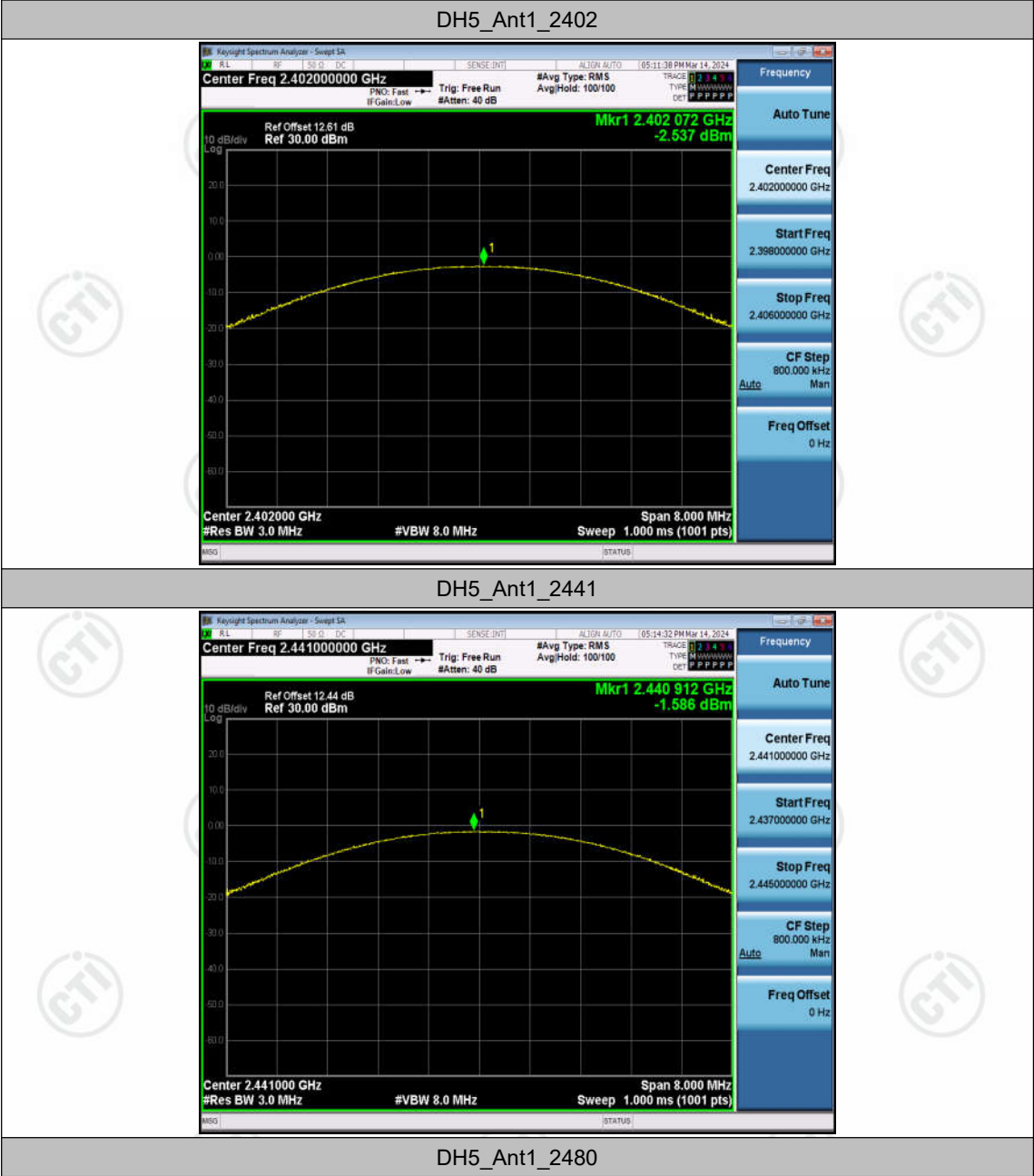


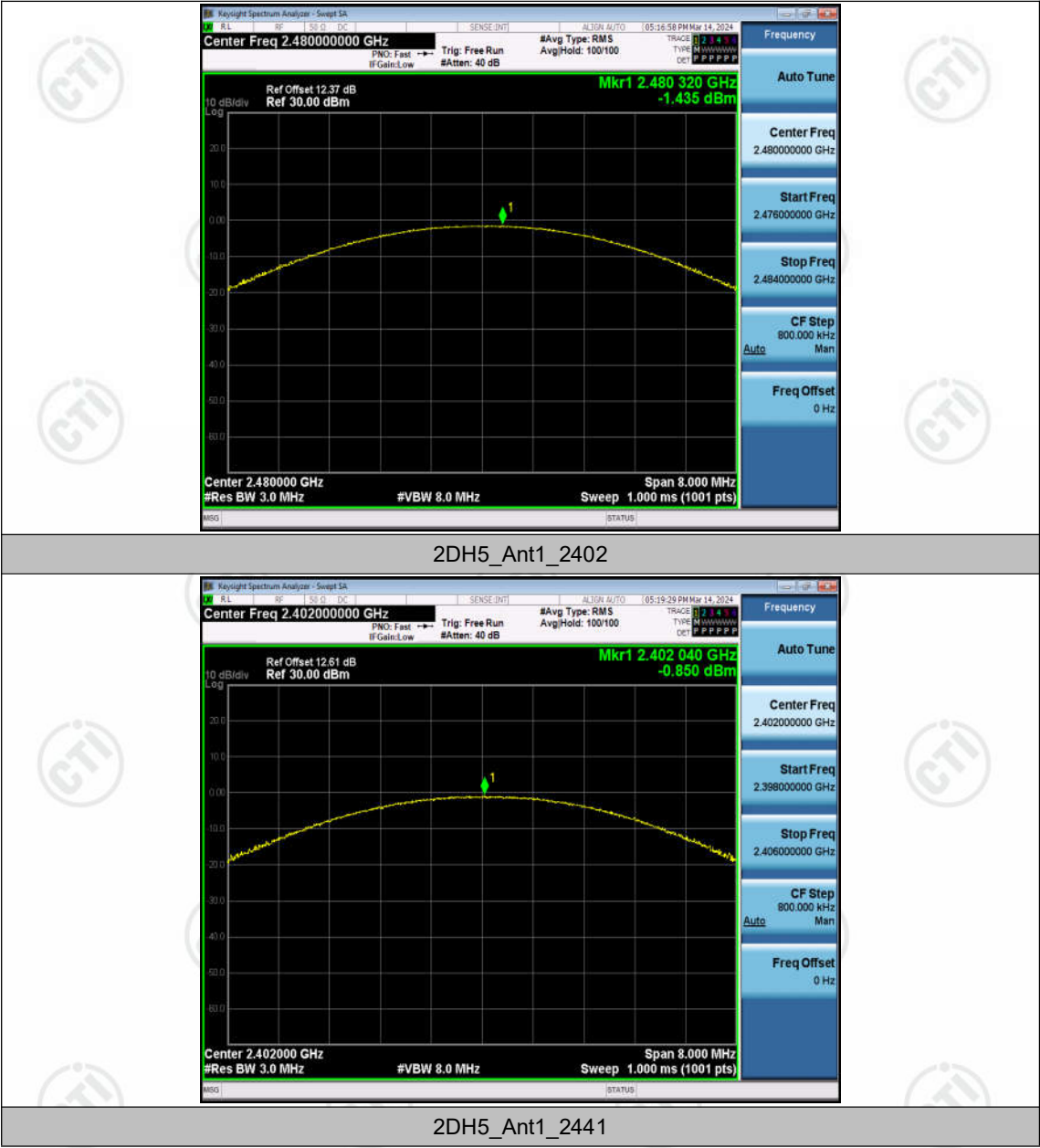
Appendix C: Maximum conducted output power

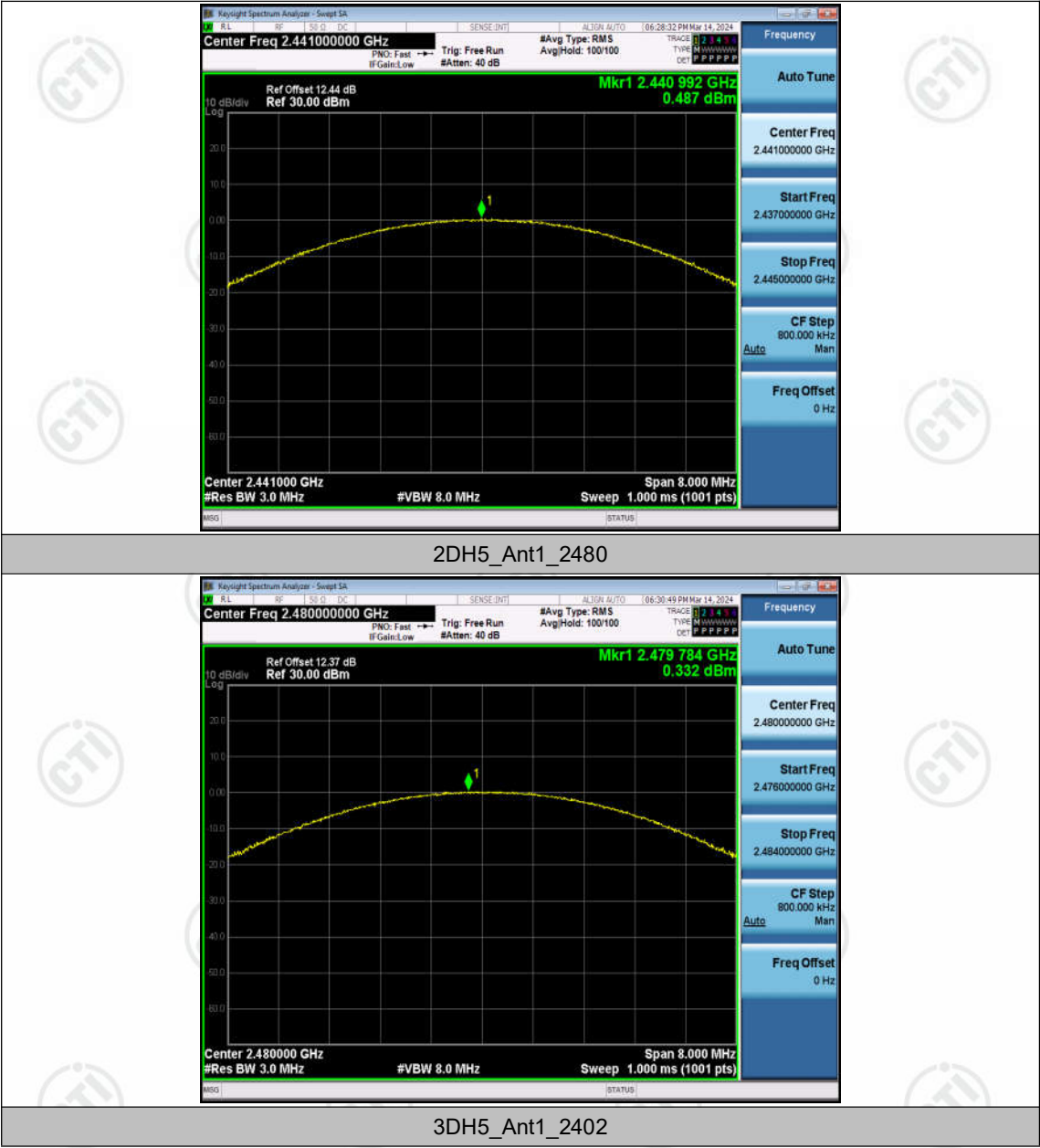
Test Result Peak

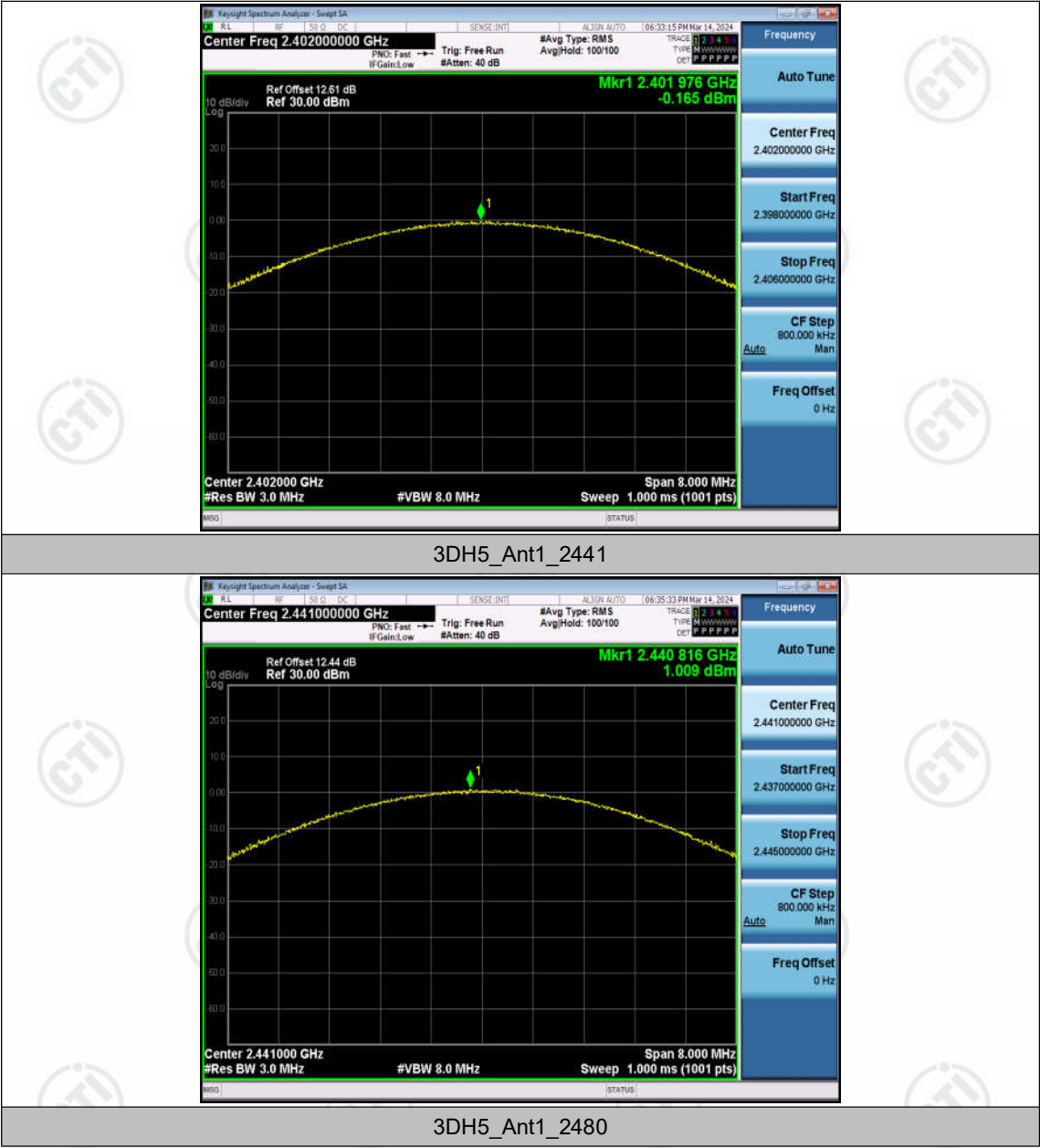
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-2.54	≤30	PASS
		2441	-1.59	≤20.97	PASS
		2480	-1.44	≤20.97	PASS
2DH5	Ant1	2402	-0.85	≤30	PASS
		2441	0.49	≤20.97	PASS
		2480	0.33	≤20.97	PASS
3DH5	Ant1	2402	-0.17	≤30	PASS
		2441	1.01	≤20.97	PASS
		2480	1.03	≤20.97	PASS

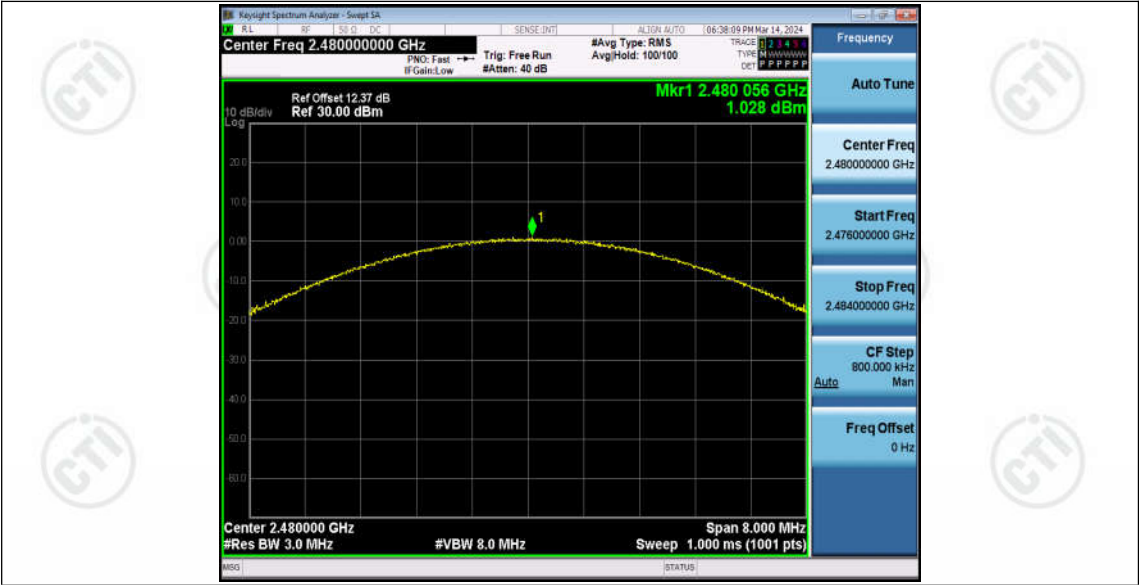
Test Graphs









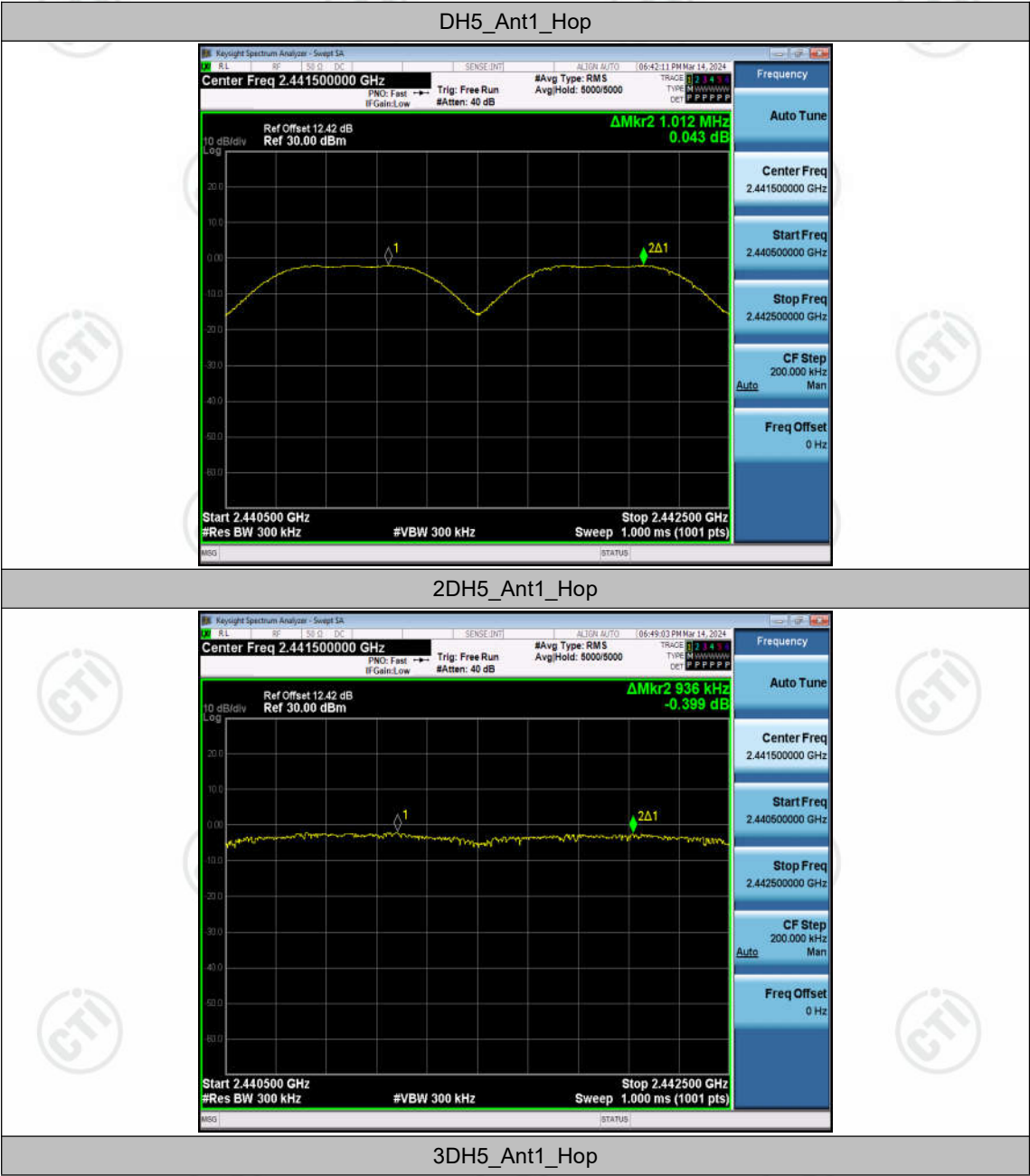


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.012	≥0.692	PASS
2DH5	Ant1	Hop	0.936	≥0.858	PASS
3DH5	Ant1	Hop	0.998	≥0.864	PASS

Test Graphs



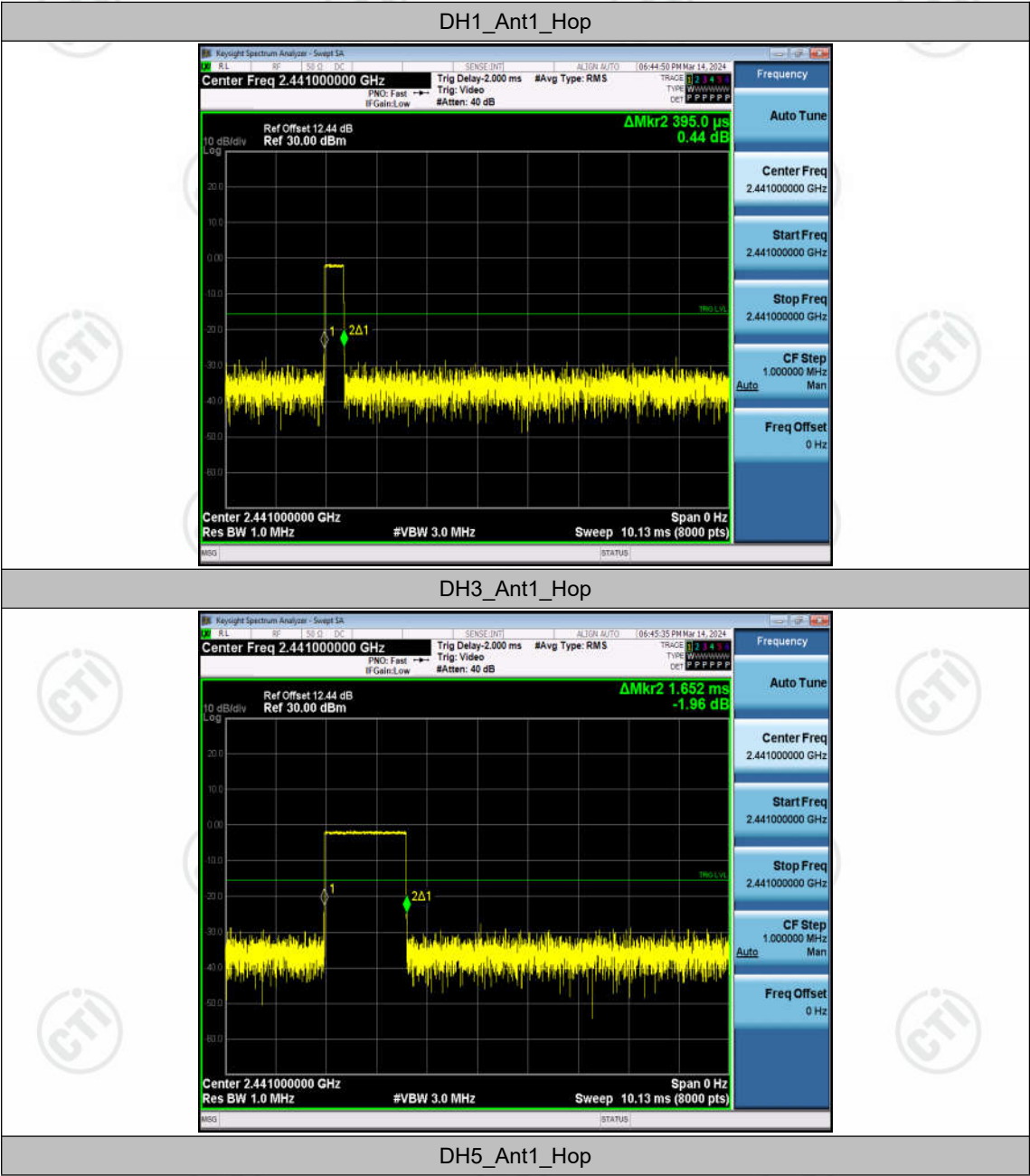


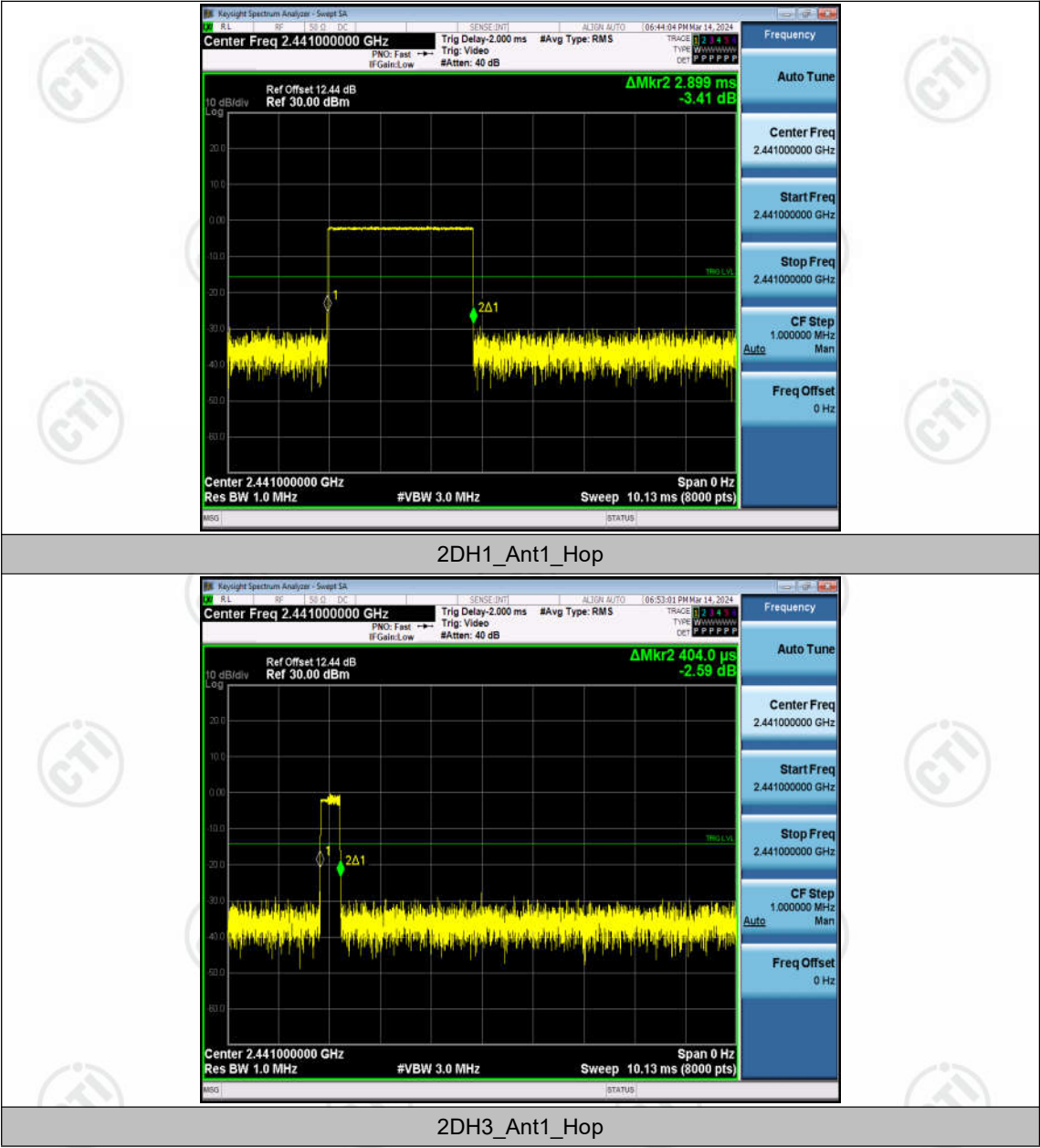
Appendix E: Time of occupancy

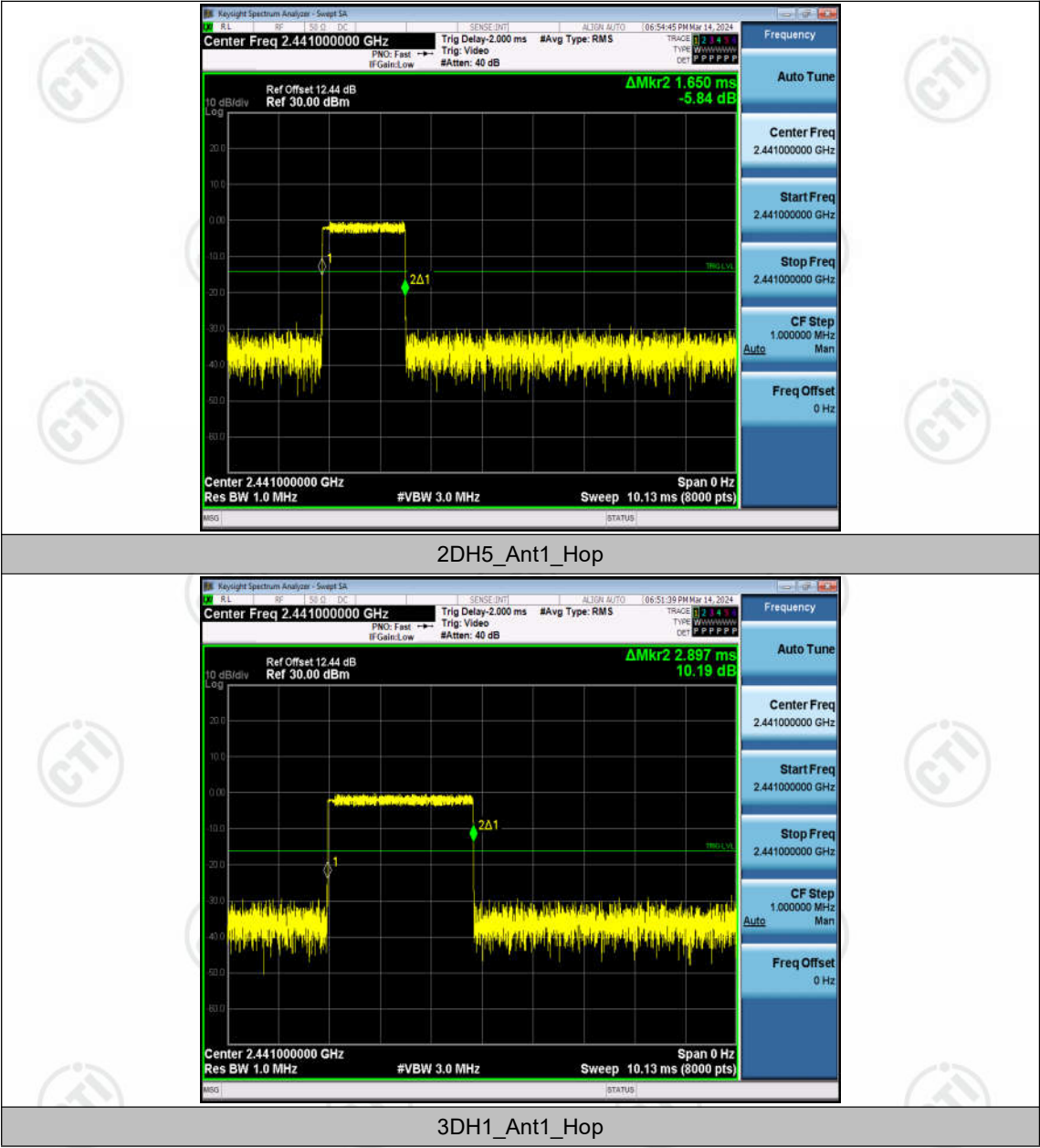
Test Result

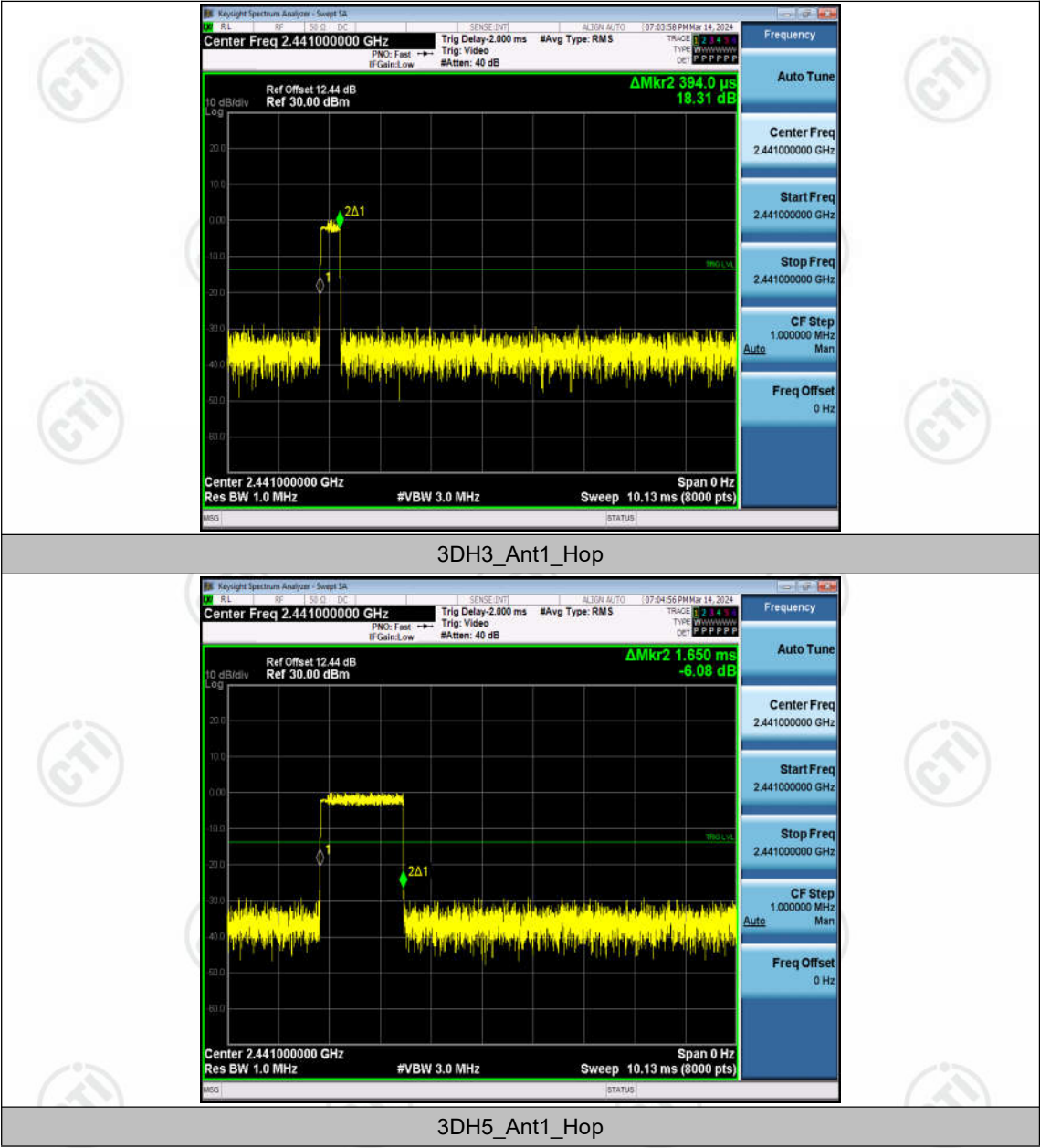
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.395	320	0.126	≤0.4	PASS
DH3	Ant1	Hop	1.652	160	0.264	≤0.4	PASS
DH5	Ant1	Hop	2.899	106.67	0.309	≤0.4	PASS
2DH1	Ant1	Hop	0.404	320	0.129	≤0.4	PASS
2DH3	Ant1	Hop	1.650	160	0.264	≤0.4	PASS
2DH5	Ant1	Hop	2.897	106.67	0.309	≤0.4	PASS
3DH1	Ant1	Hop	0.394	320	0.126	≤0.4	PASS
3DH3	Ant1	Hop	1.650	160	0.264	≤0.4	PASS
3DH5	Ant1	Hop	2.898	106.67	0.309	≤0.4	PASS

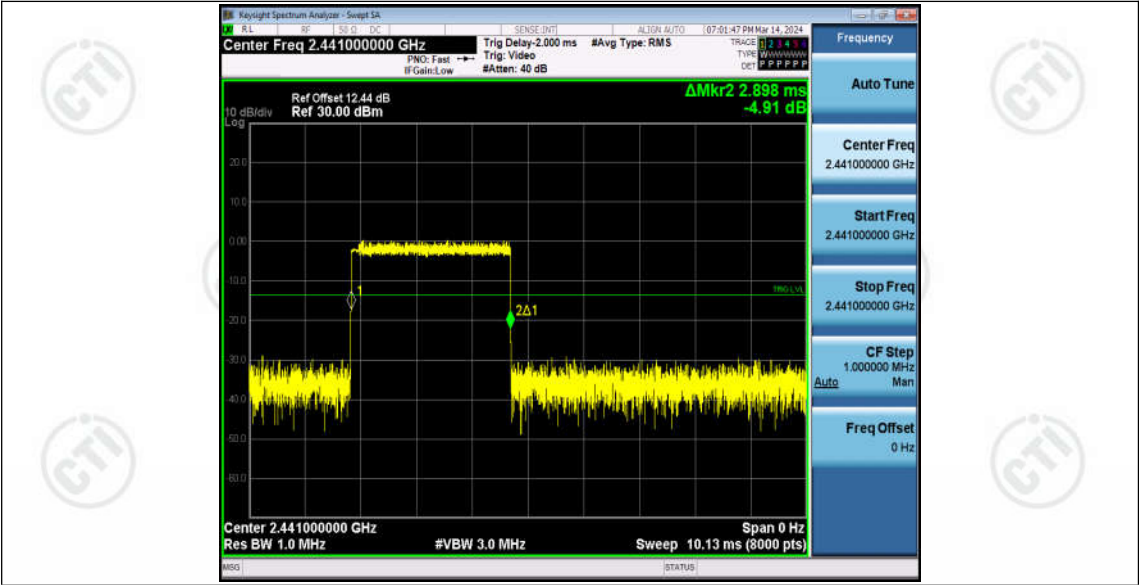
Test Graphs









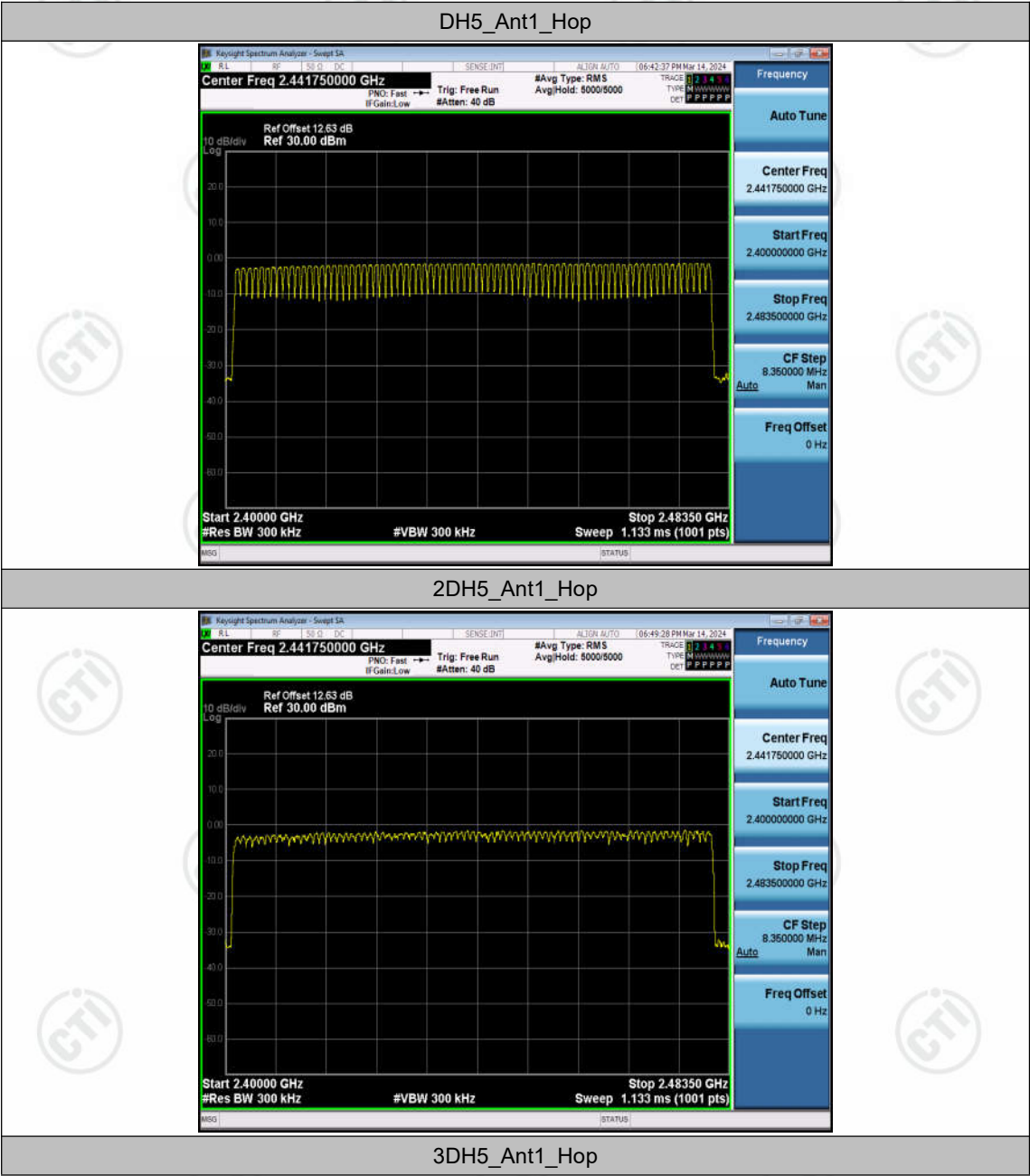


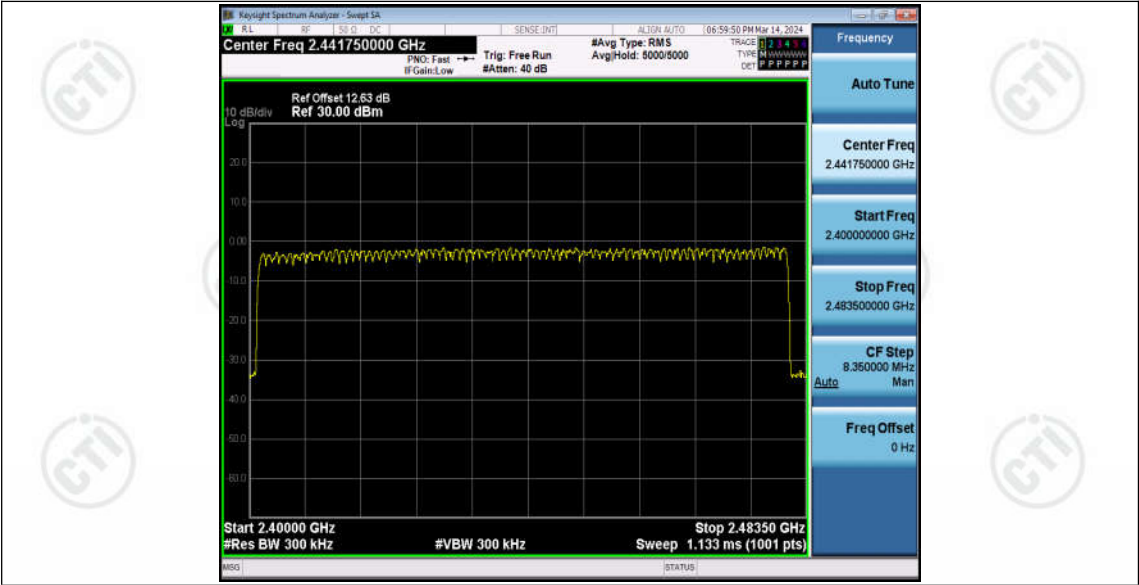
Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs



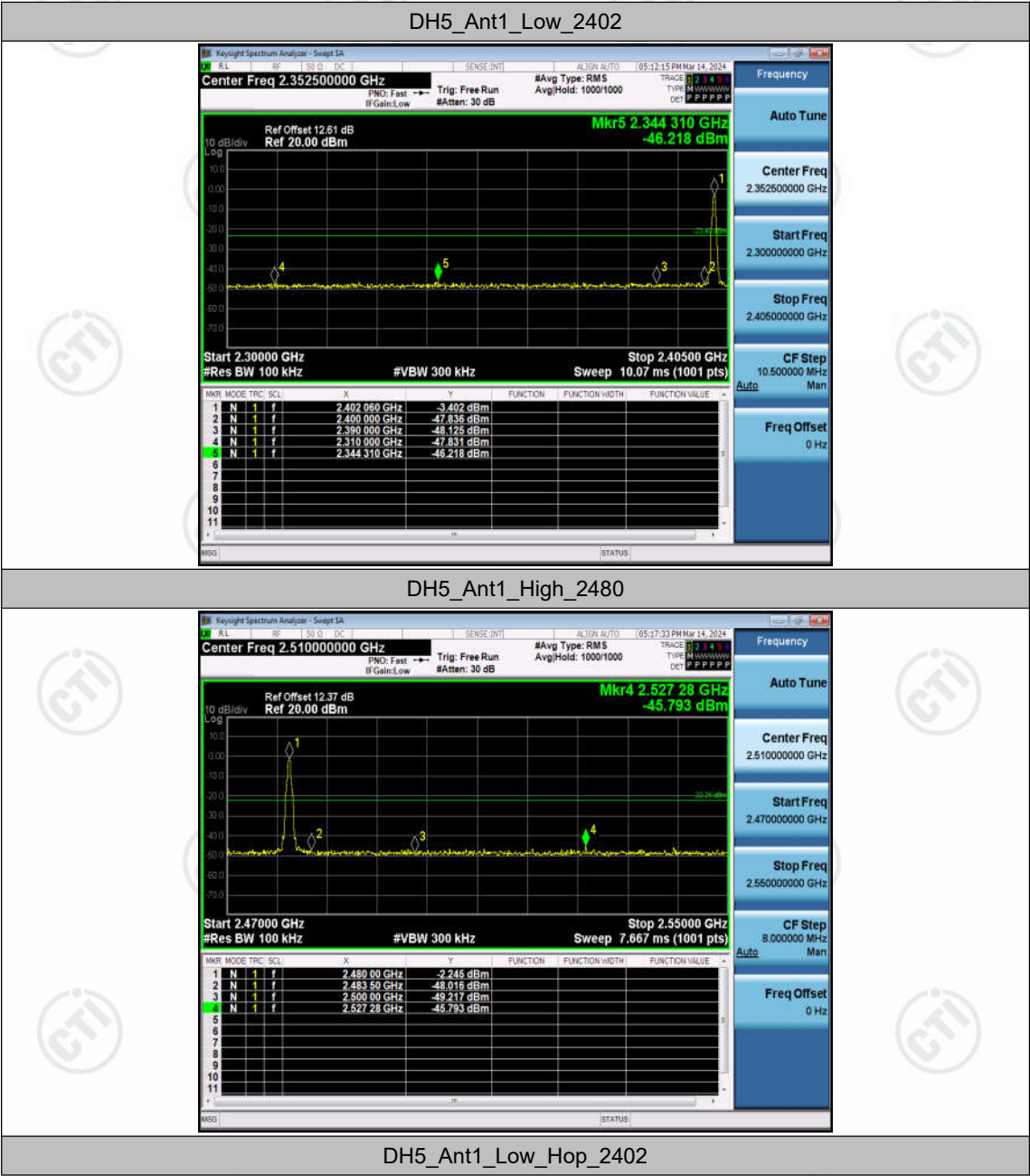


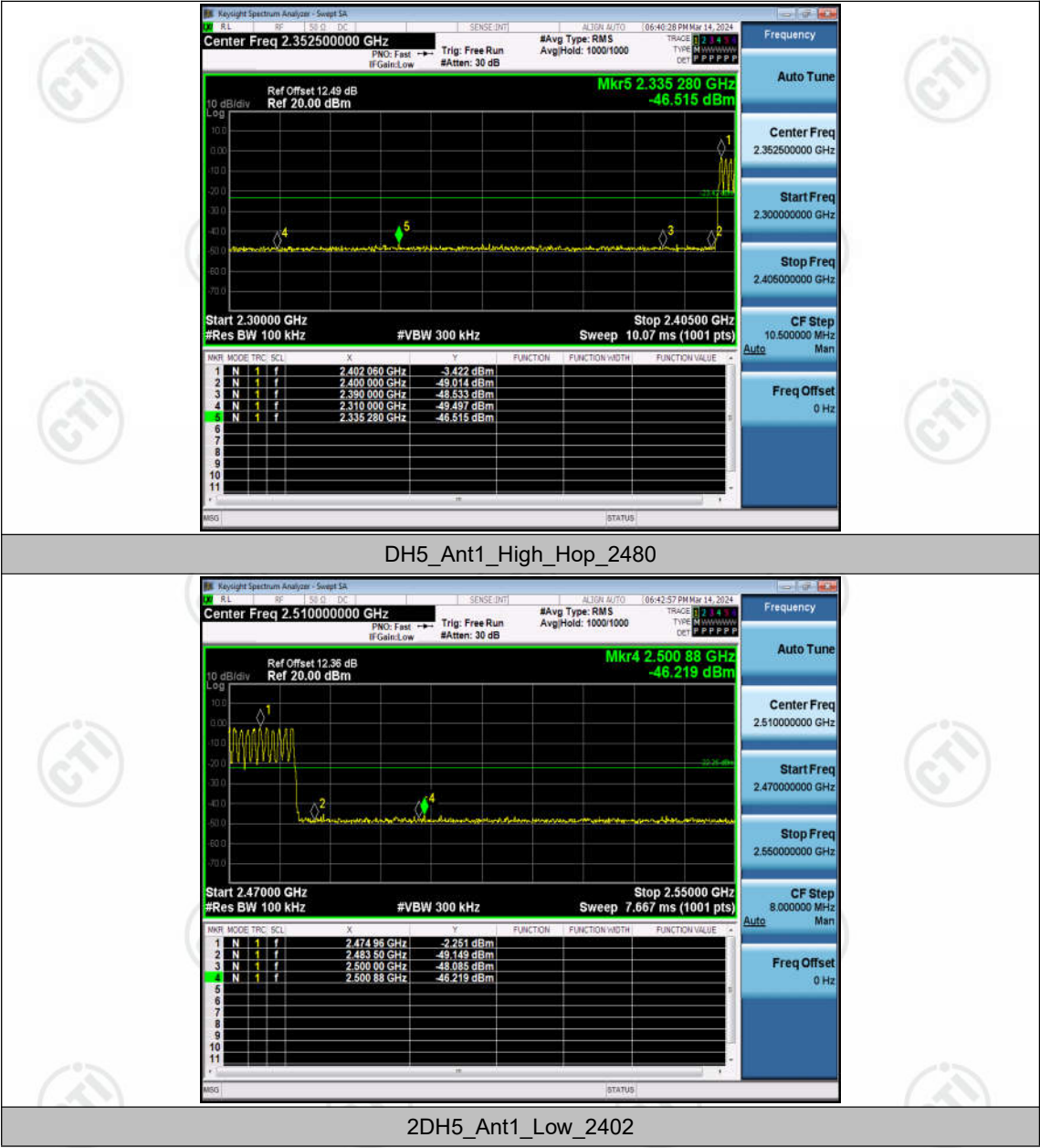
Appendix G: Band edge measurements

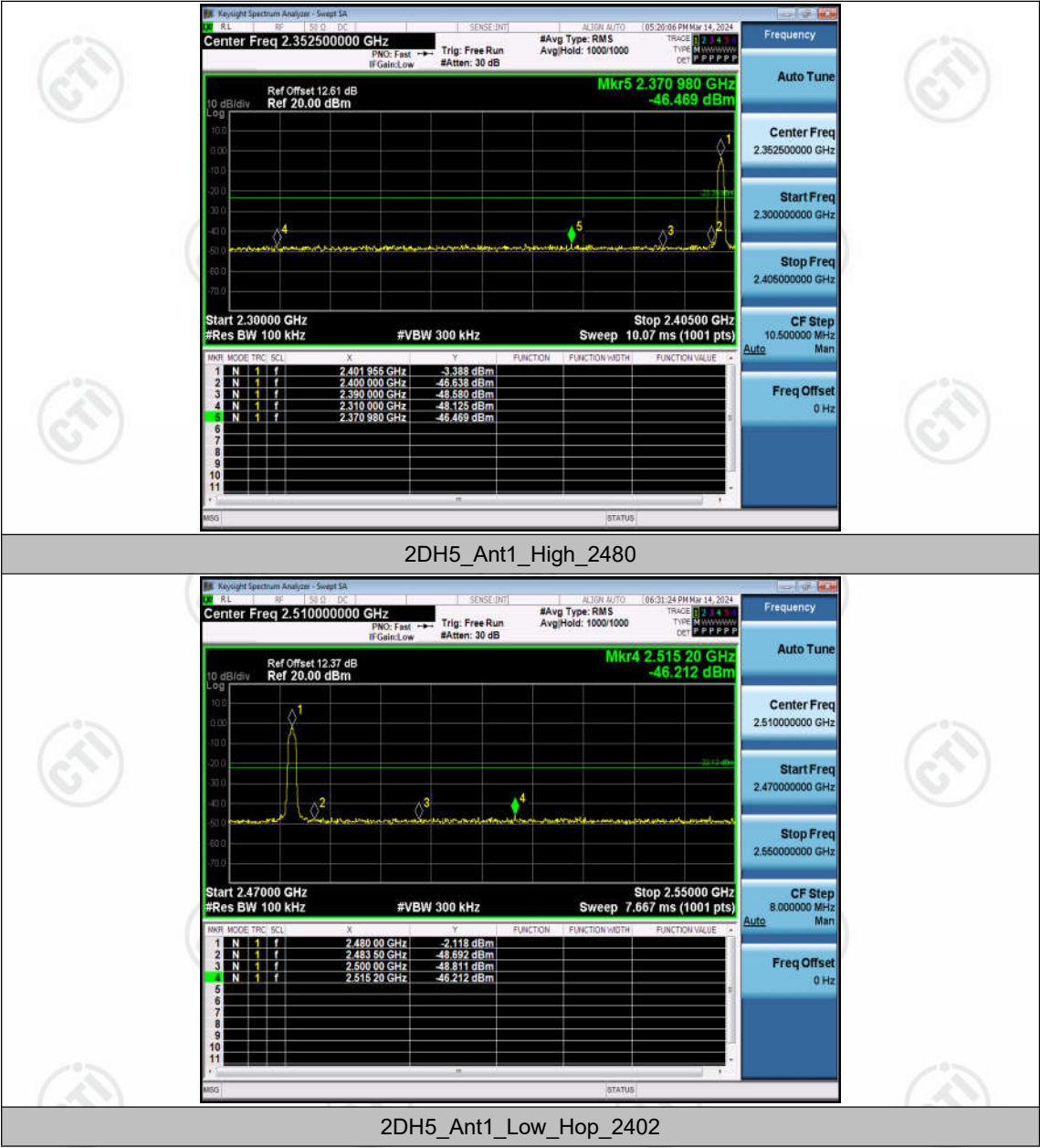
Test Result

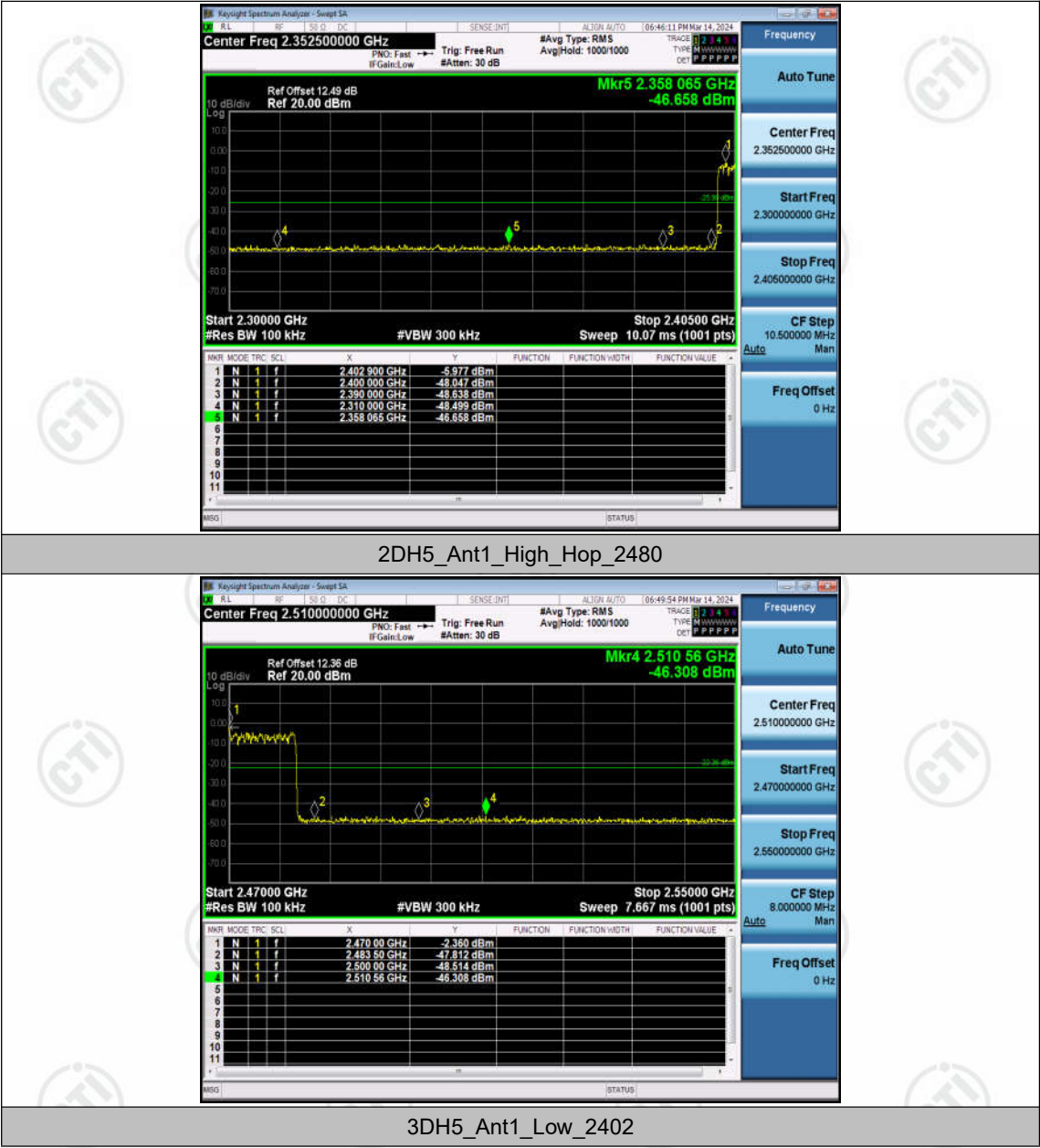
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-3.40	-46.22	≤-23.4	PASS
		High	2480	-2.25	-45.79	≤-22.25	PASS
		Low	Hop_2402	-3.42	-46.52	≤-23.42	PASS
		High	Hop_2480	-2.25	-46.22	≤-22.25	PASS
2DH5	Ant1	Low	2402	-3.39	-46.47	≤-23.39	PASS
		High	2480	-2.12	-46.21	≤-22.12	PASS
		Low	Hop_2402	-5.98	-46.66	≤-25.98	PASS
		High	Hop_2480	-2.36	-46.31	≤-22.36	PASS
3DH5	Ant1	Low	2402	-3.28	-46.17	≤-23.28	PASS
		High	2480	-2.09	-43.71	≤-22.09	PASS
		Low	Hop_2402	-5.71	-45.92	≤-25.71	PASS
		High	Hop_2480	-2.19	-41.03	≤-22.19	PASS

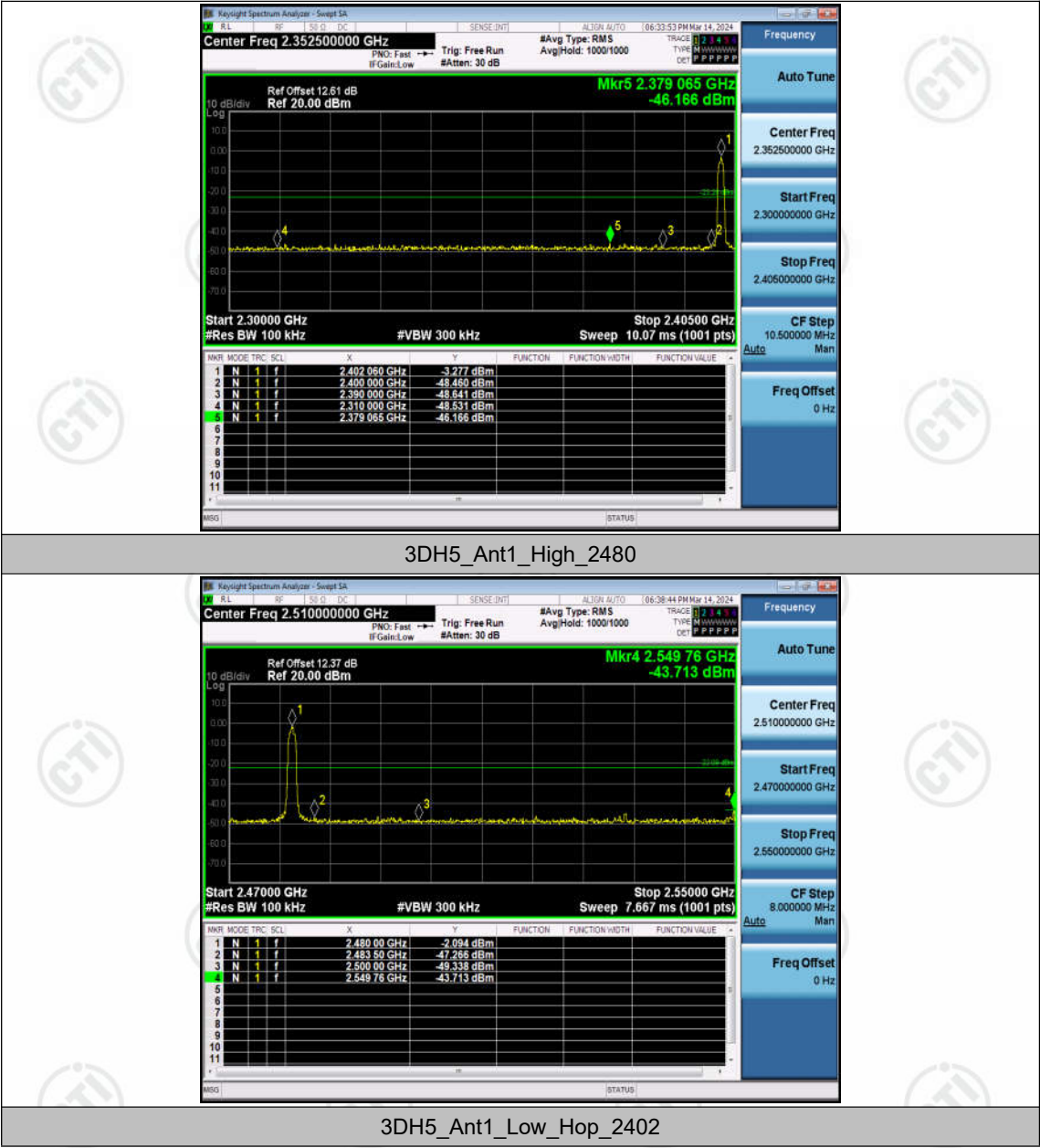
Test Graphs

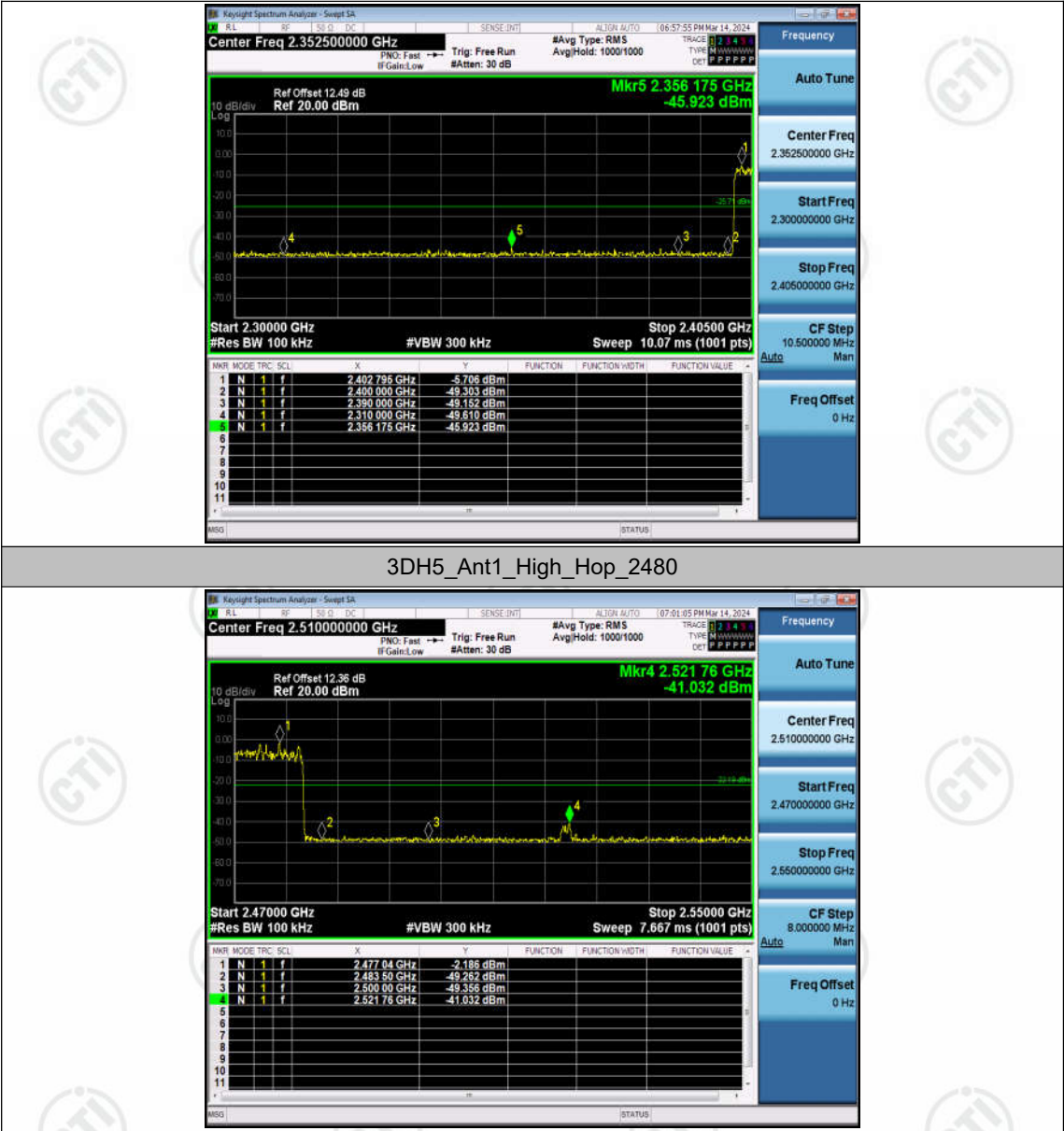










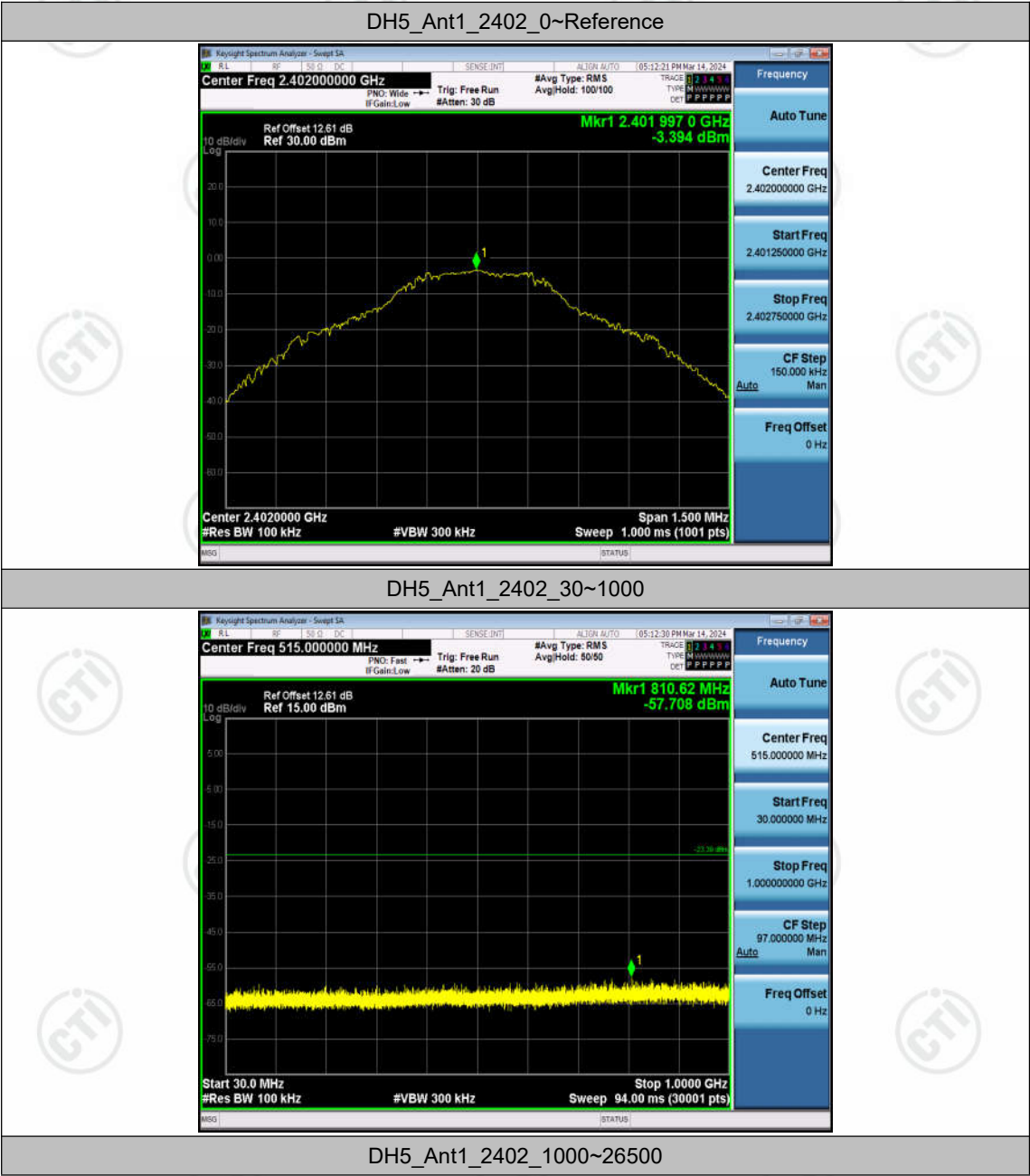


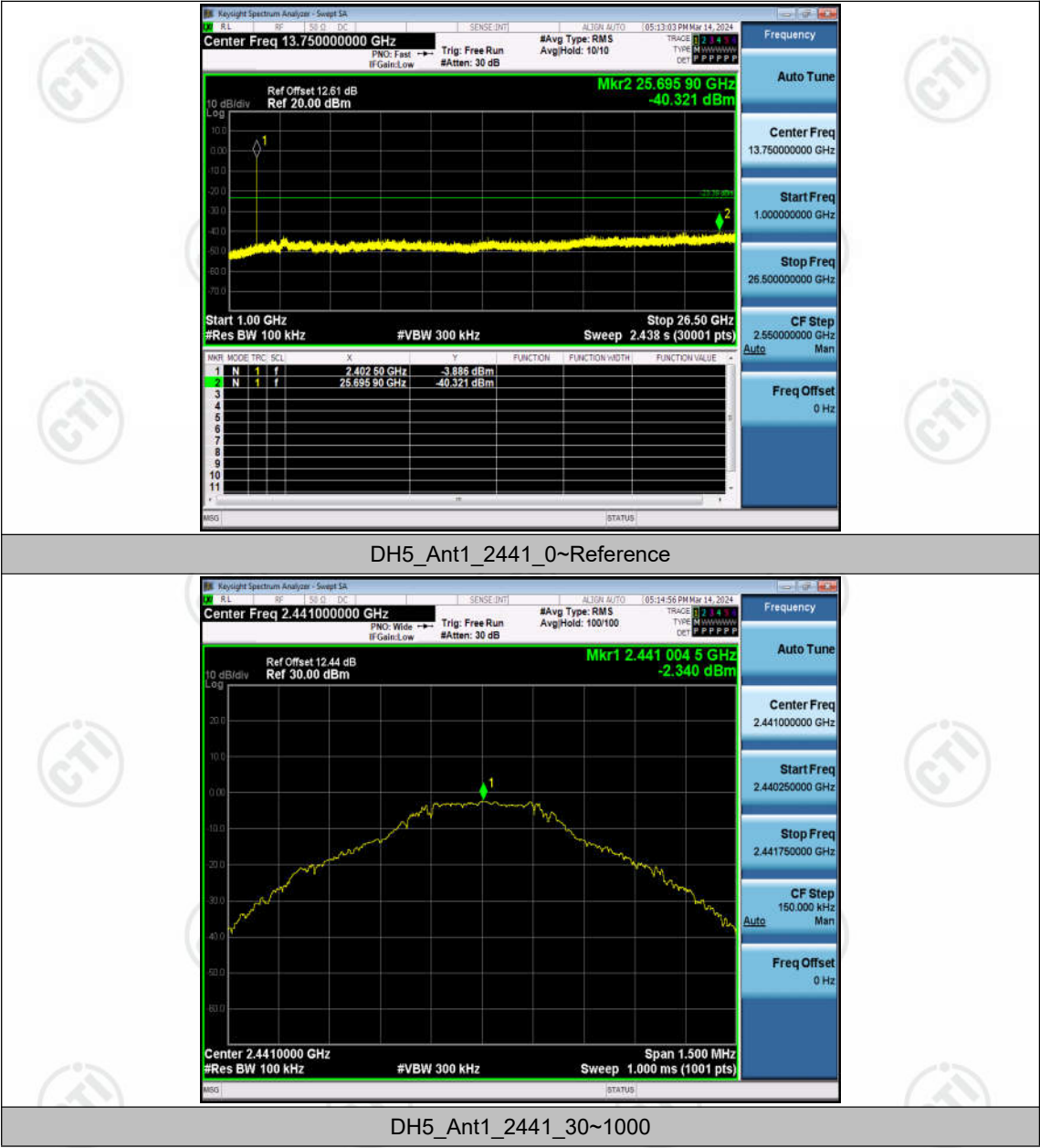
Appendix H: Conducted Spurious Emission

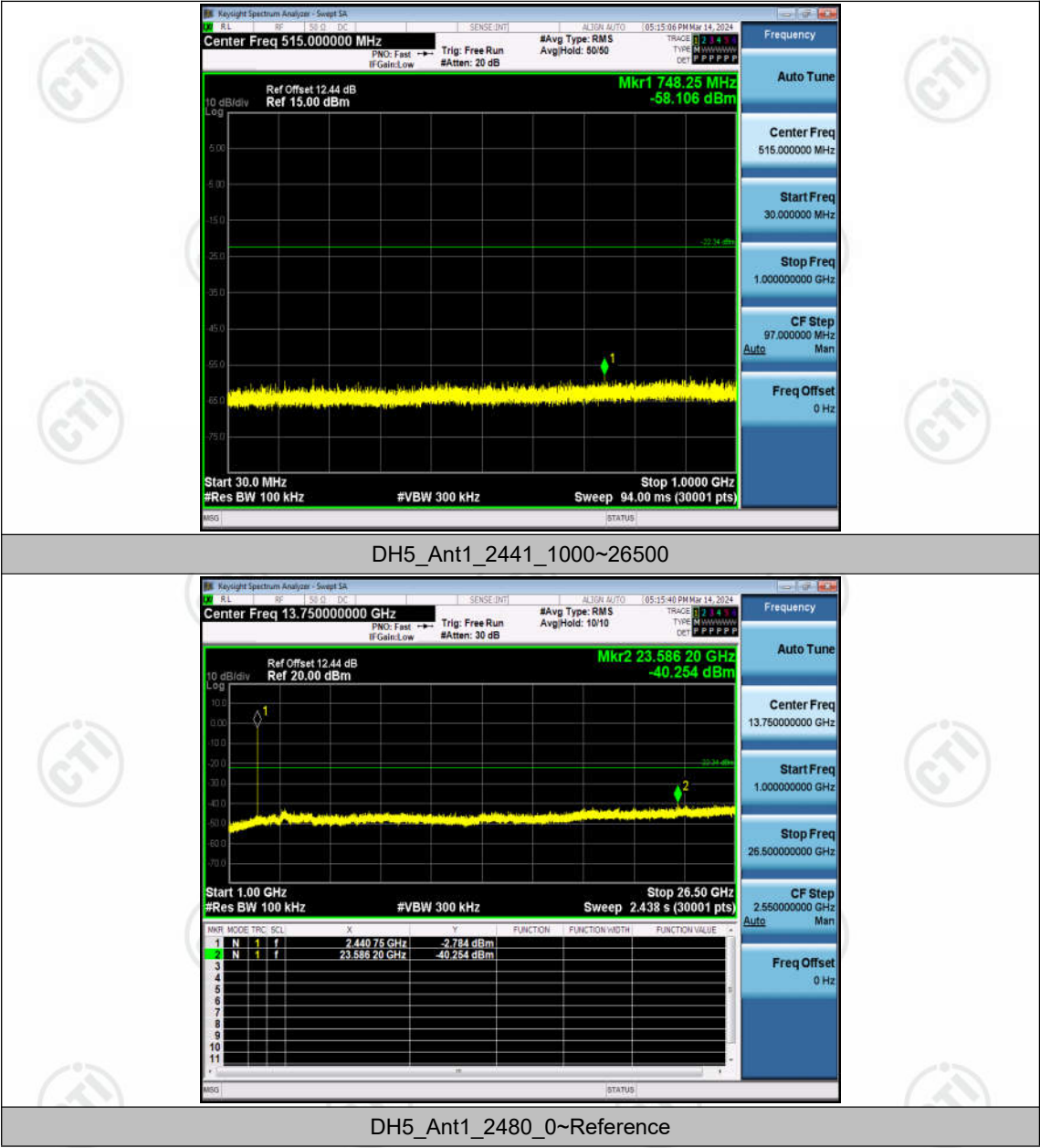
Test Result

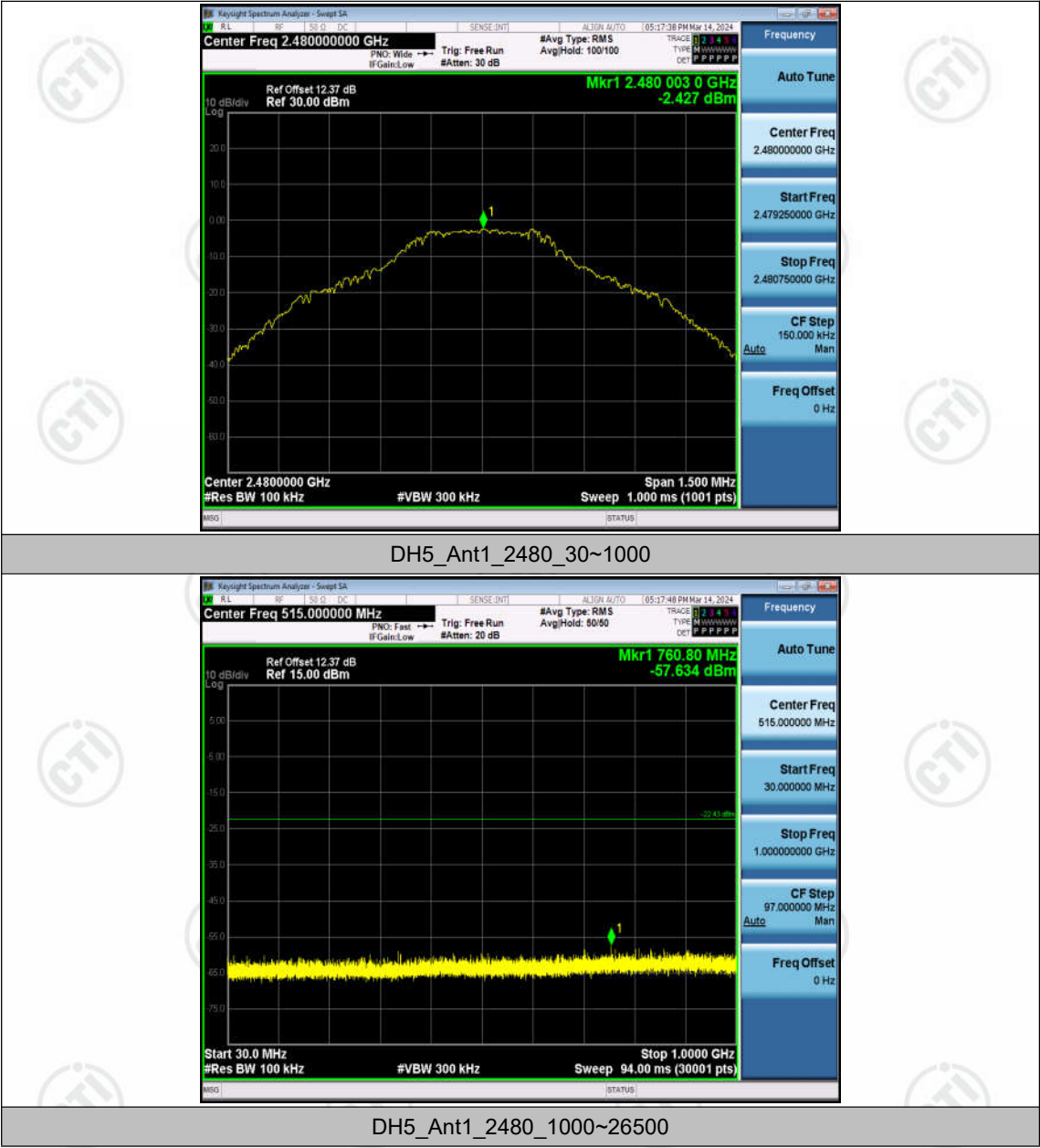
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-3.39	-3.39	---	PASS
			30~1000	-3.39	-57.71	≤-23.39	PASS
			1000~26500	-3.39	-40.32	≤-23.39	PASS
		2441	Reference	-2.34	-2.34	---	PASS
			30~1000	-2.34	-58.11	≤-22.34	PASS
			1000~26500	-2.34	-40.25	≤-22.34	PASS
		2480	Reference	-2.43	-2.43	---	PASS
			30~1000	-2.43	-57.63	≤-22.43	PASS
			1000~26500	-2.43	-40.22	≤-22.43	PASS
2DH5	Ant1	2402	Reference	-4.09	-4.09	---	PASS
			30~1000	-4.09	-58.24	≤-24.09	PASS
			1000~26500	-4.09	-40.04	≤-24.09	PASS
		2441	Reference	-2.93	-2.93	---	PASS
			30~1000	-2.93	-58.55	≤-22.93	PASS
			1000~26500	-2.93	-40.68	≤-22.93	PASS
		2480	Reference	-2.88	-2.88	---	PASS
			30~1000	-2.88	-58.39	≤-22.88	PASS
			1000~26500	-2.88	-40.3	≤-22.88	PASS
3DH5	Ant1	2402	Reference	-3.32	-3.32	---	PASS
			30~1000	-3.32	-58.14	≤-23.32	PASS
			1000~26500	-3.32	-40.49	≤-23.32	PASS
		2441	Reference	-2.29	-2.29	---	PASS
			30~1000	-2.29	-57.12	≤-22.29	PASS
			1000~26500	-2.29	-40.55	≤-22.29	PASS
		2480	Reference	-2.11	-2.11	---	PASS
			30~1000	-2.11	-56.4	≤-22.11	PASS
			1000~26500	-2.11	-39.92	≤-22.11	PASS

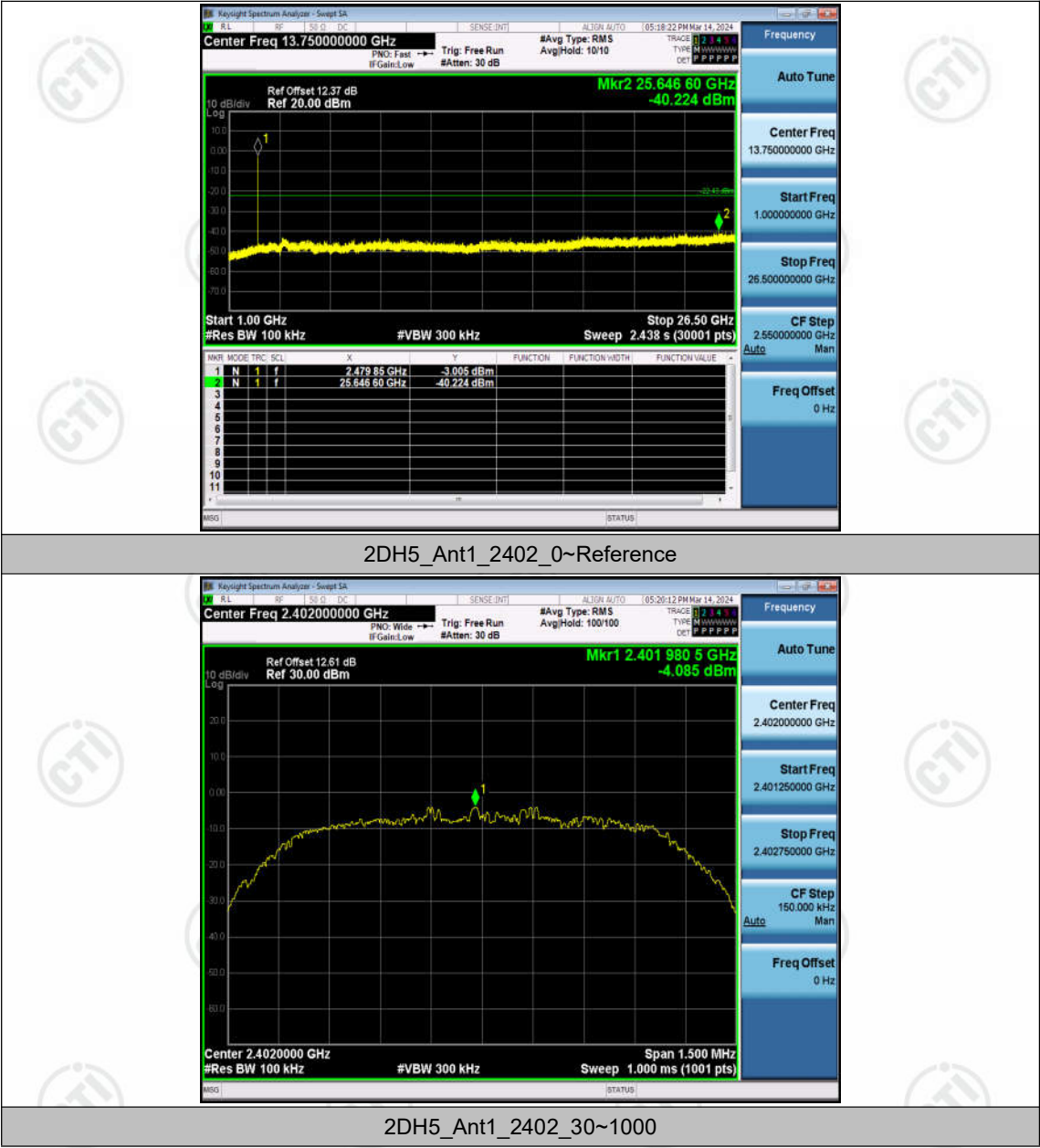
Test Graphs

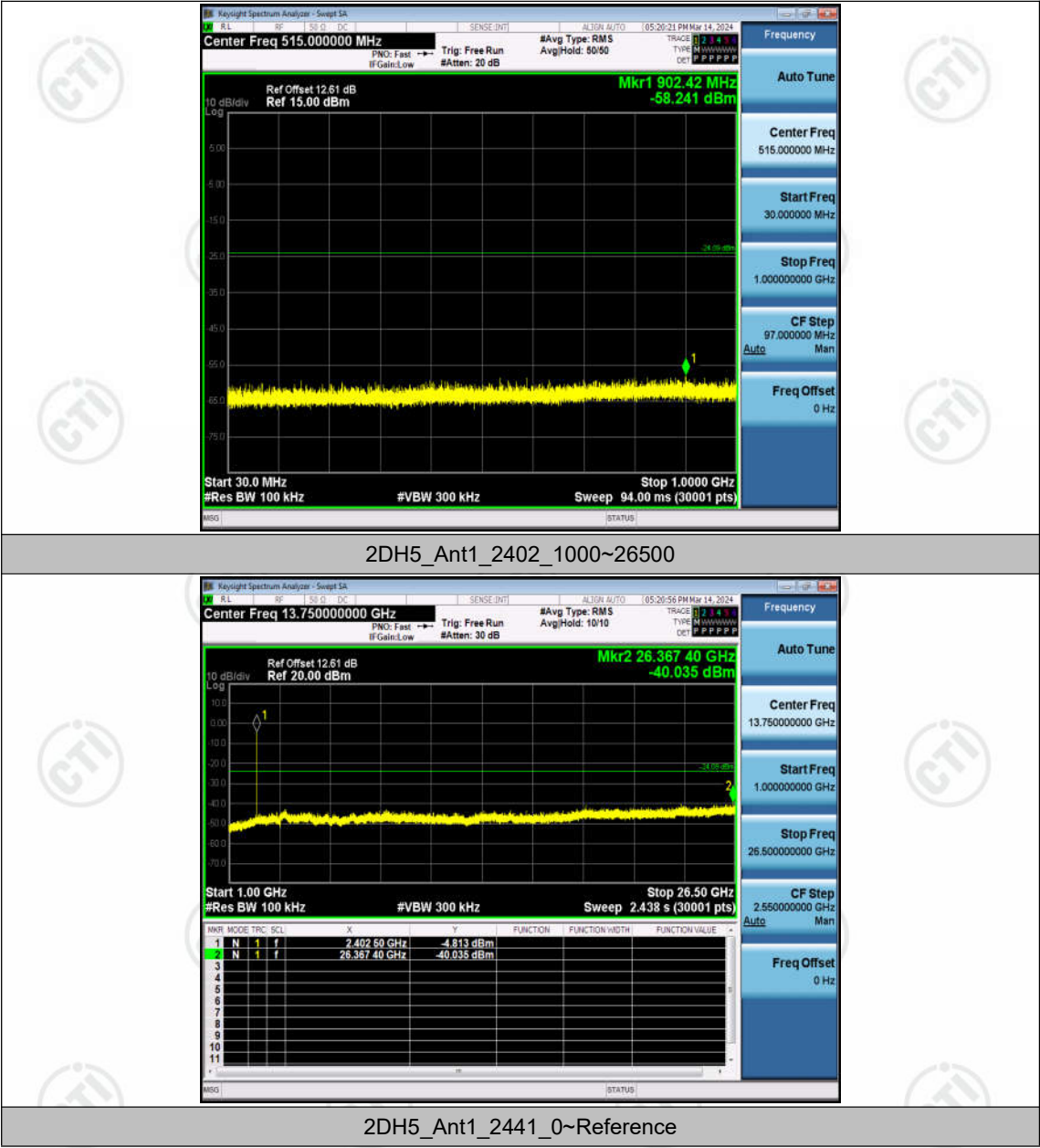


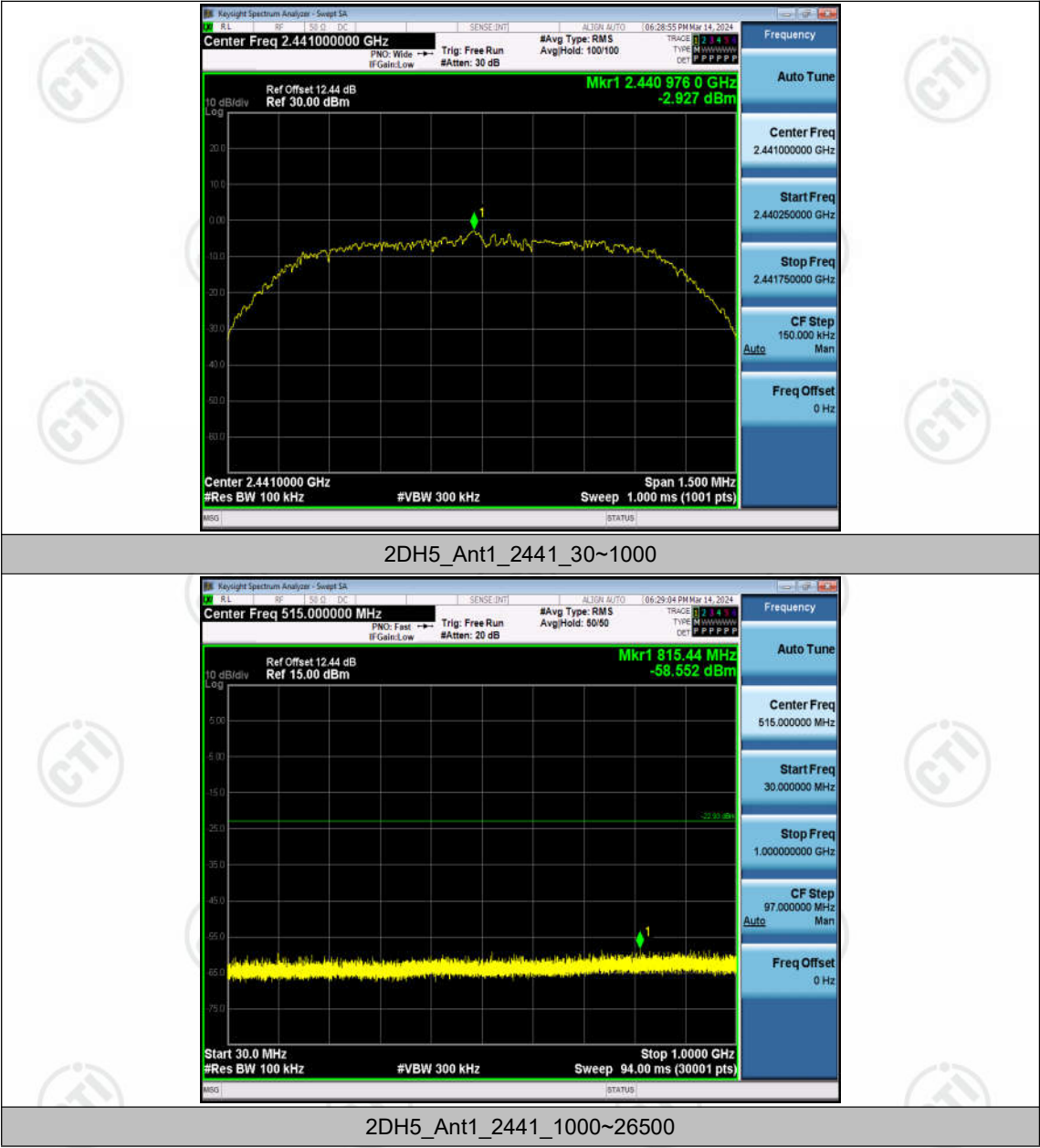


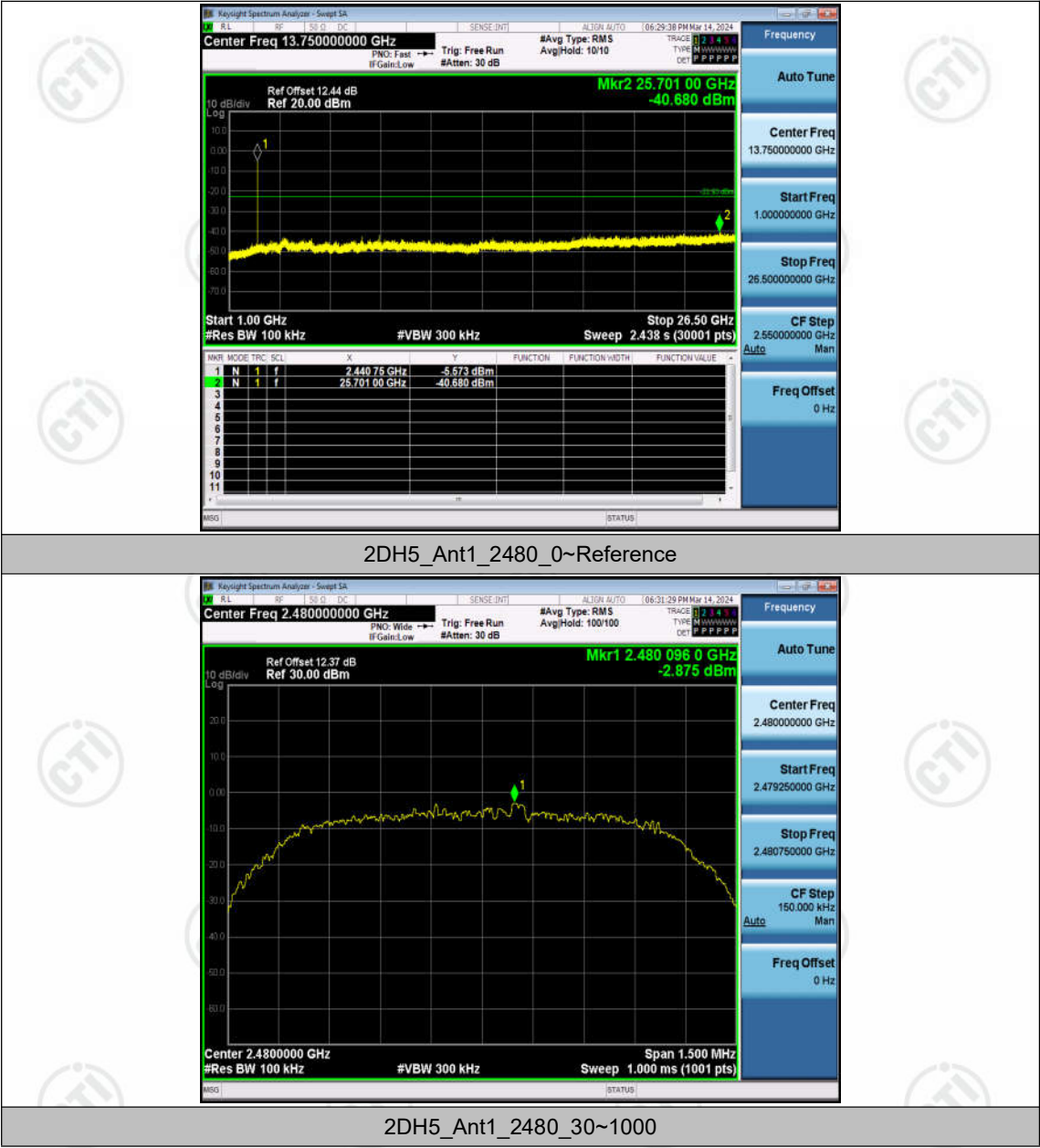


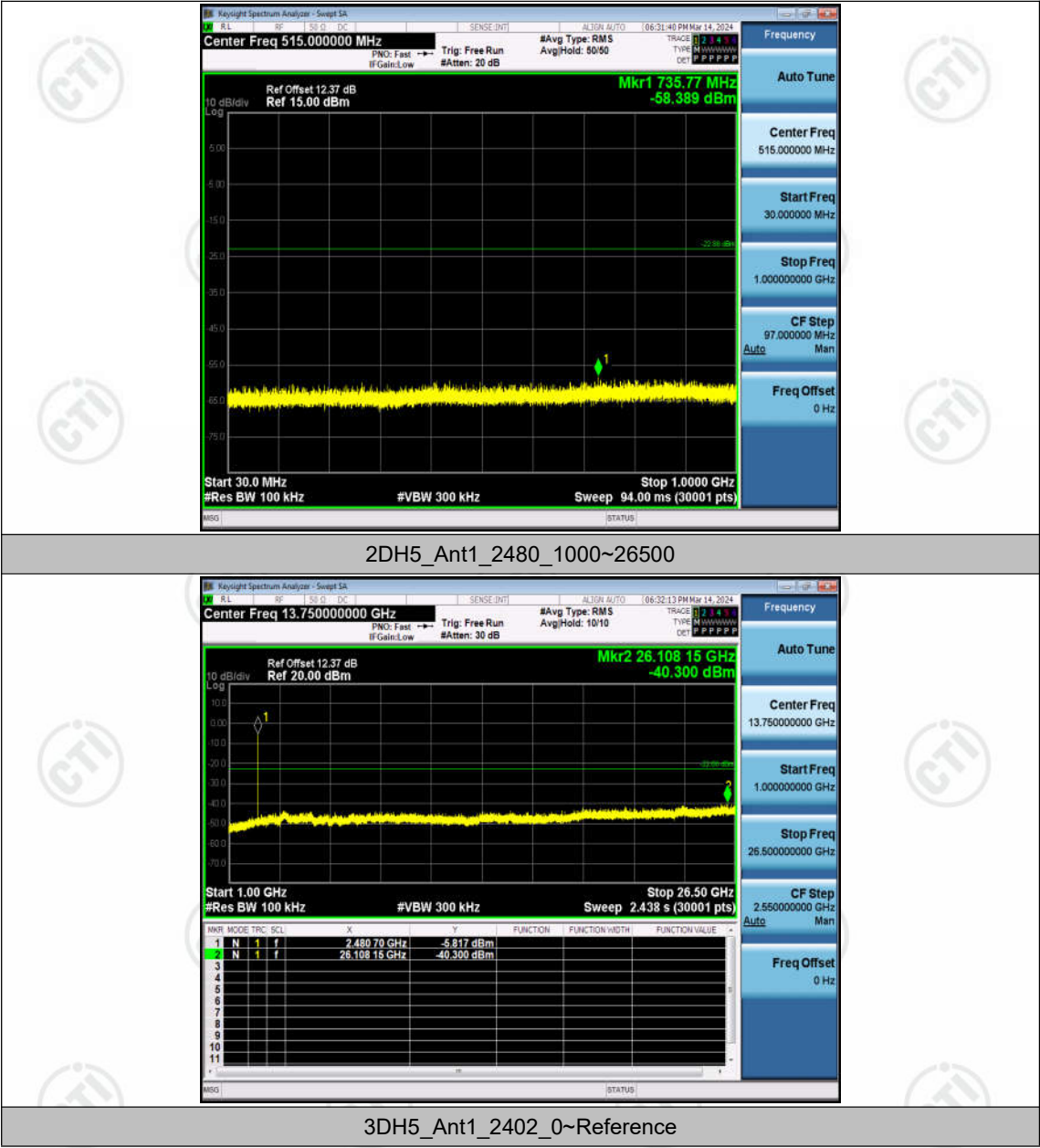


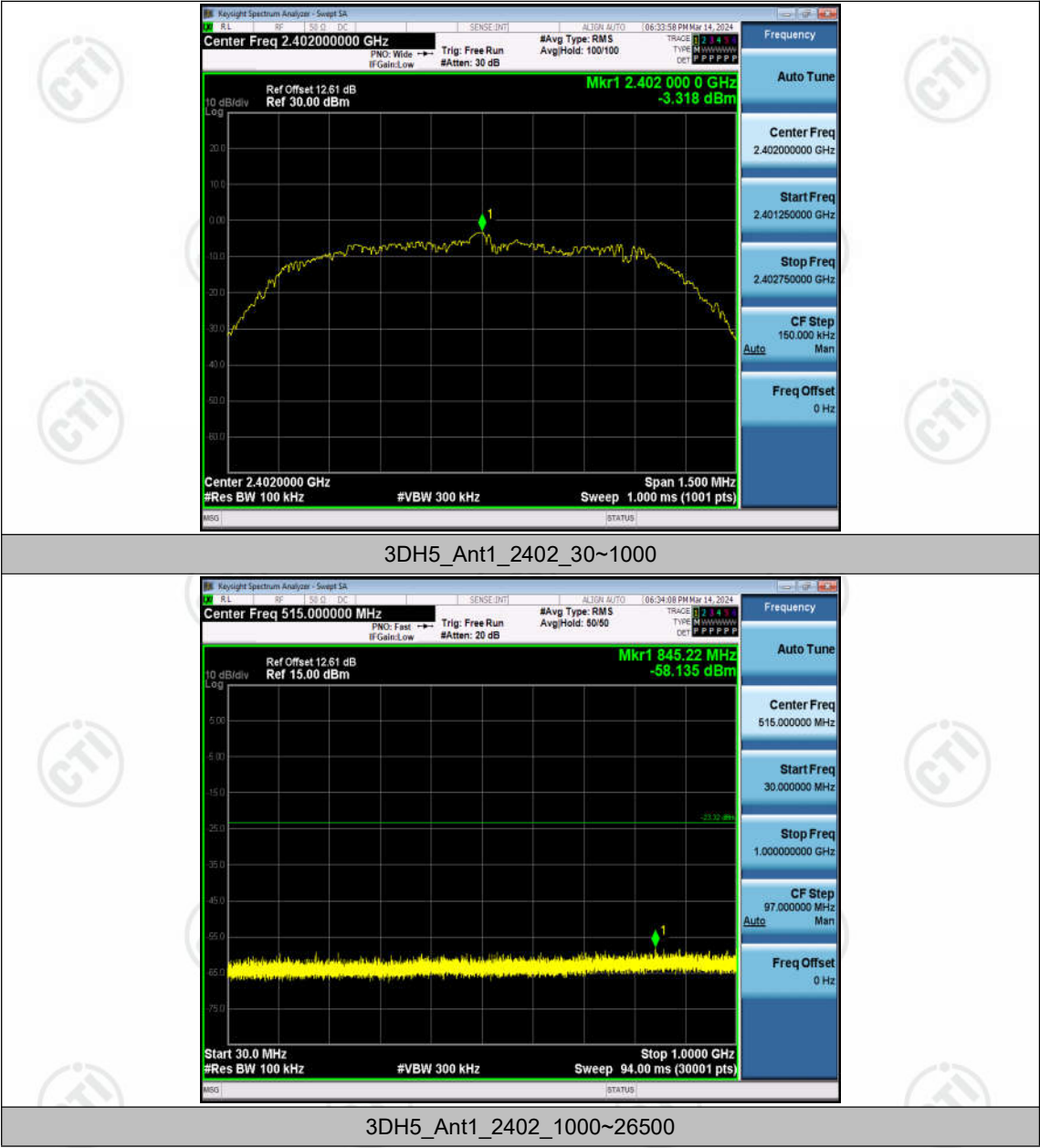


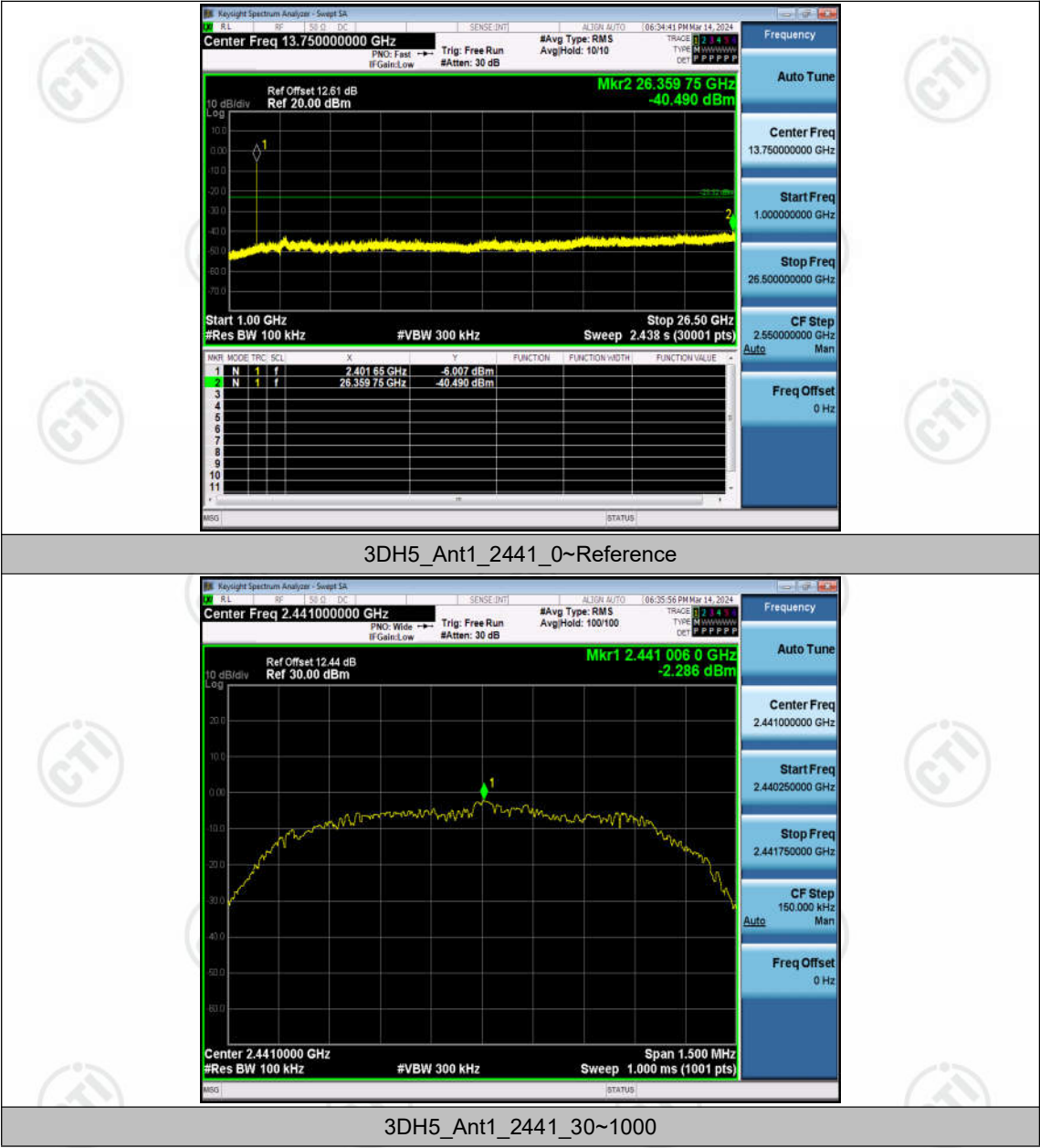


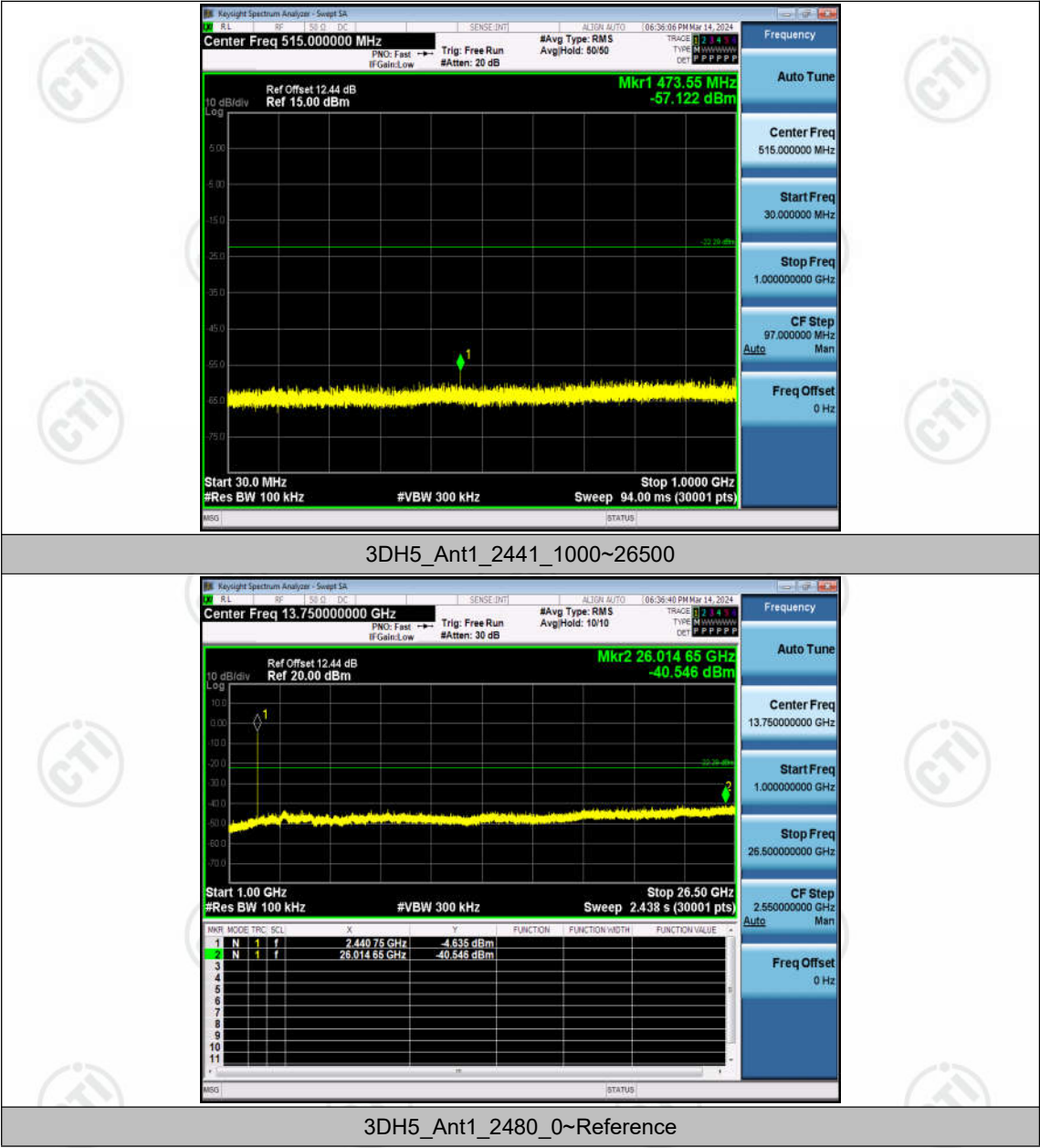


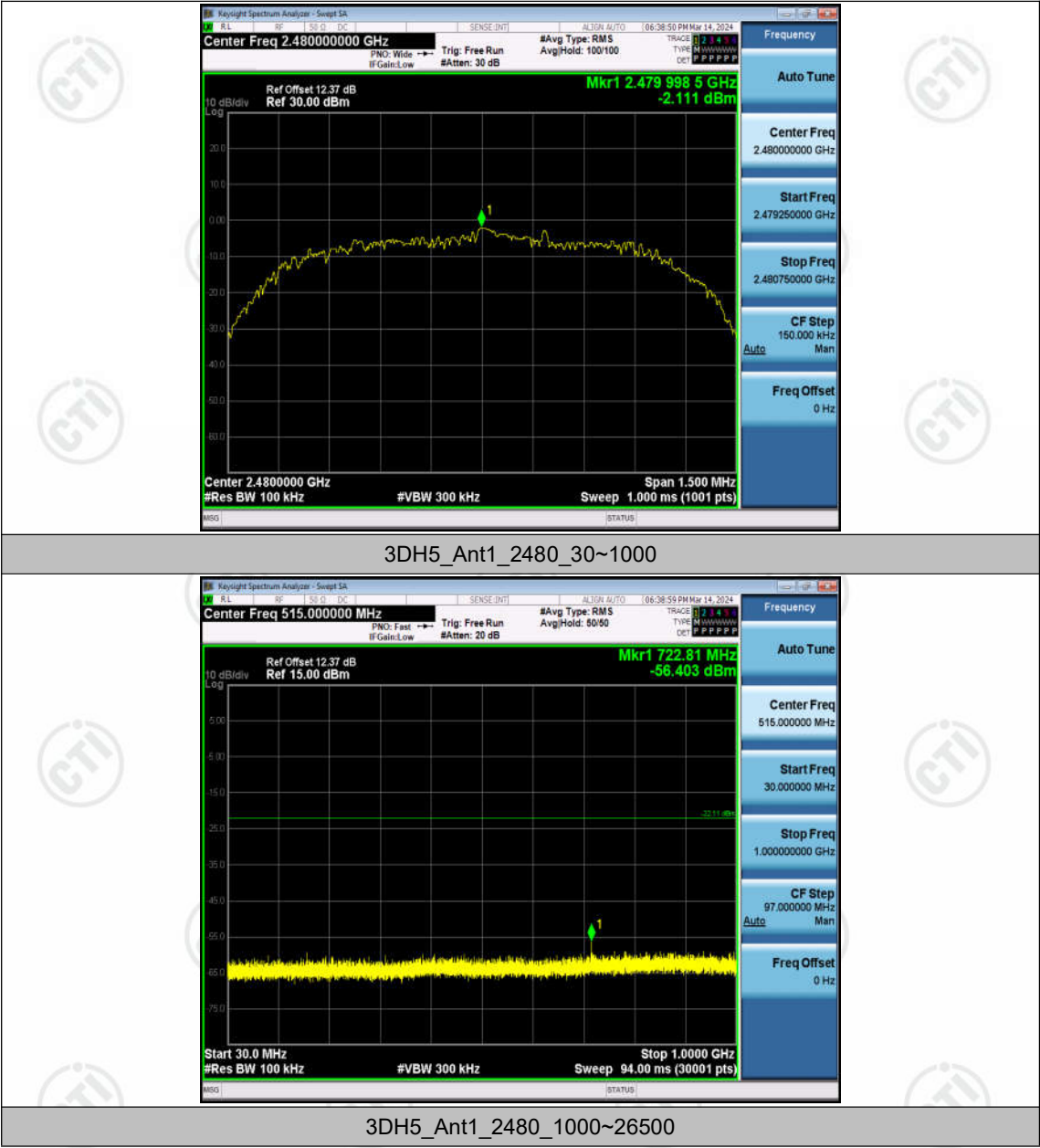


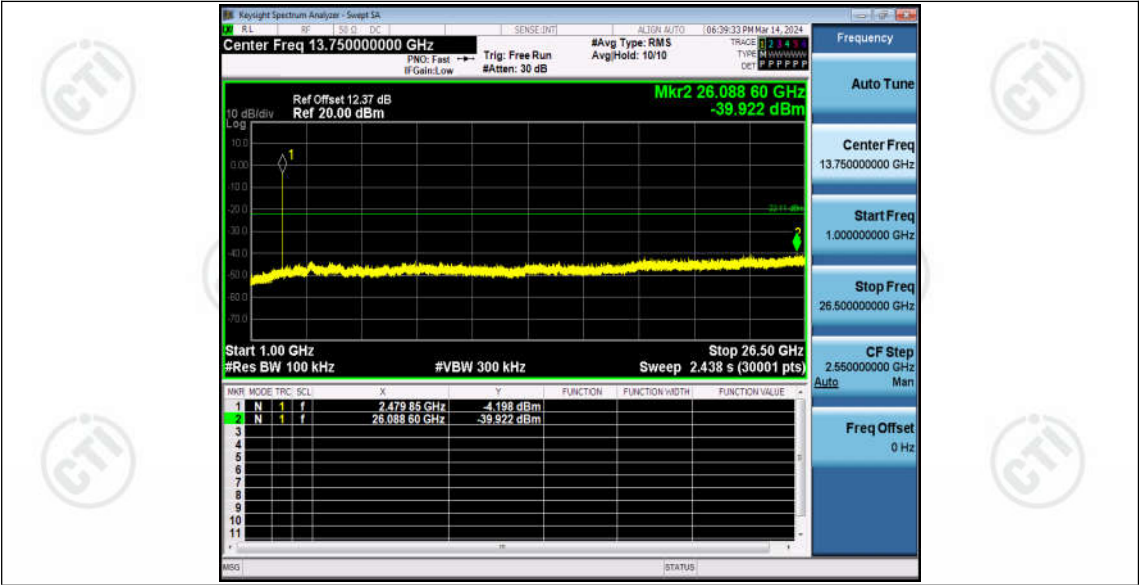










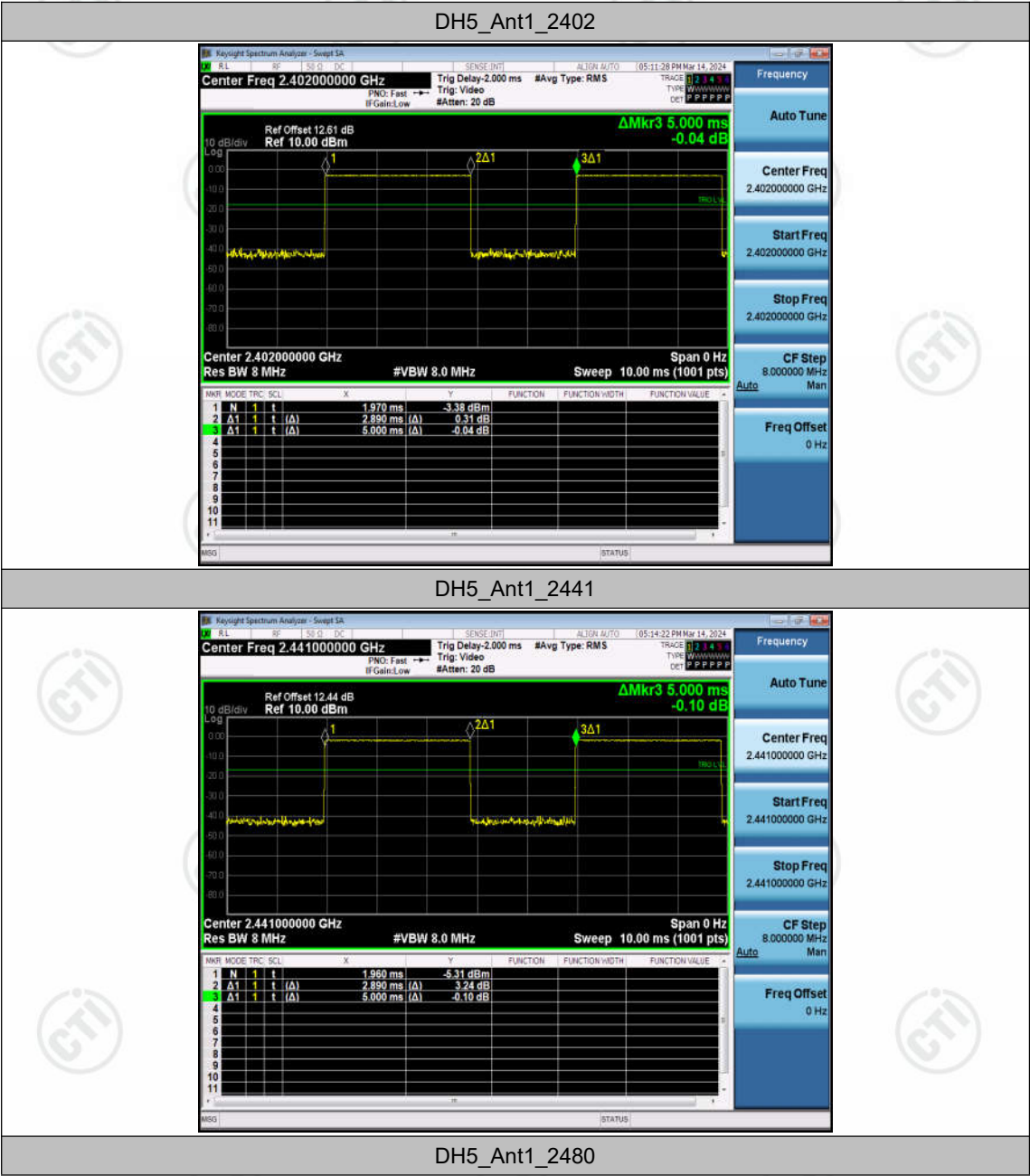


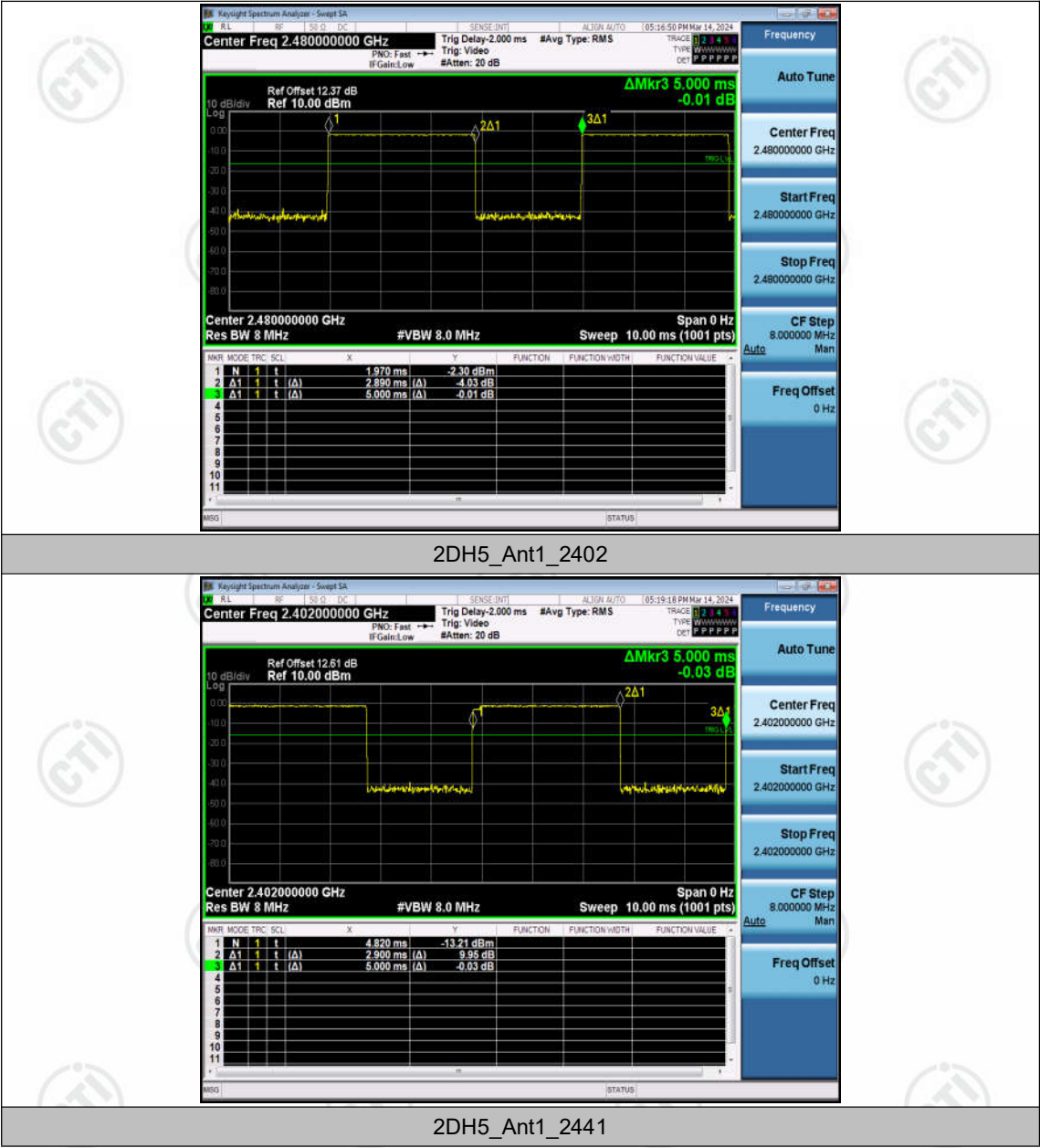
Appendix I: Duty Cycle

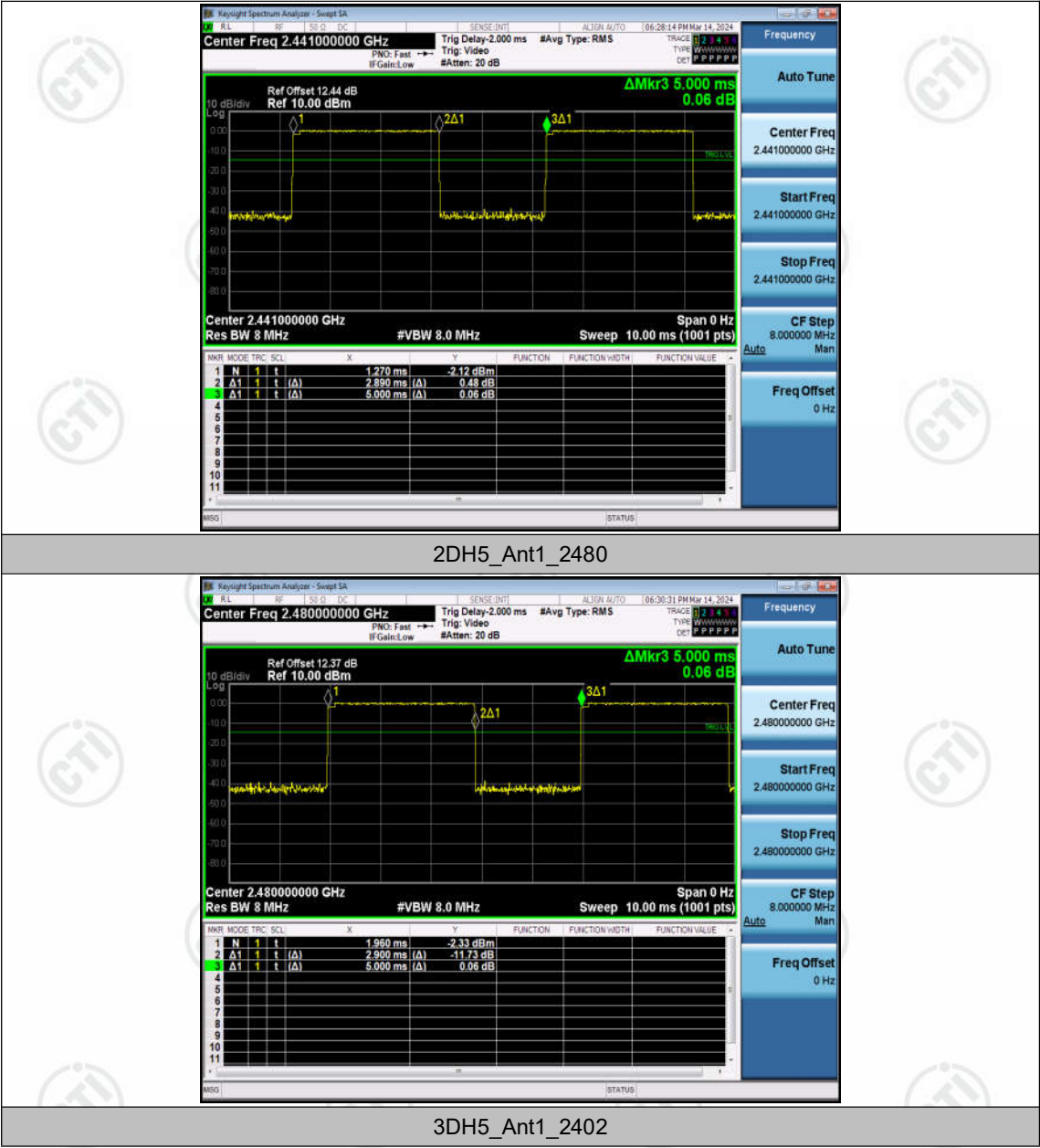
Test Result

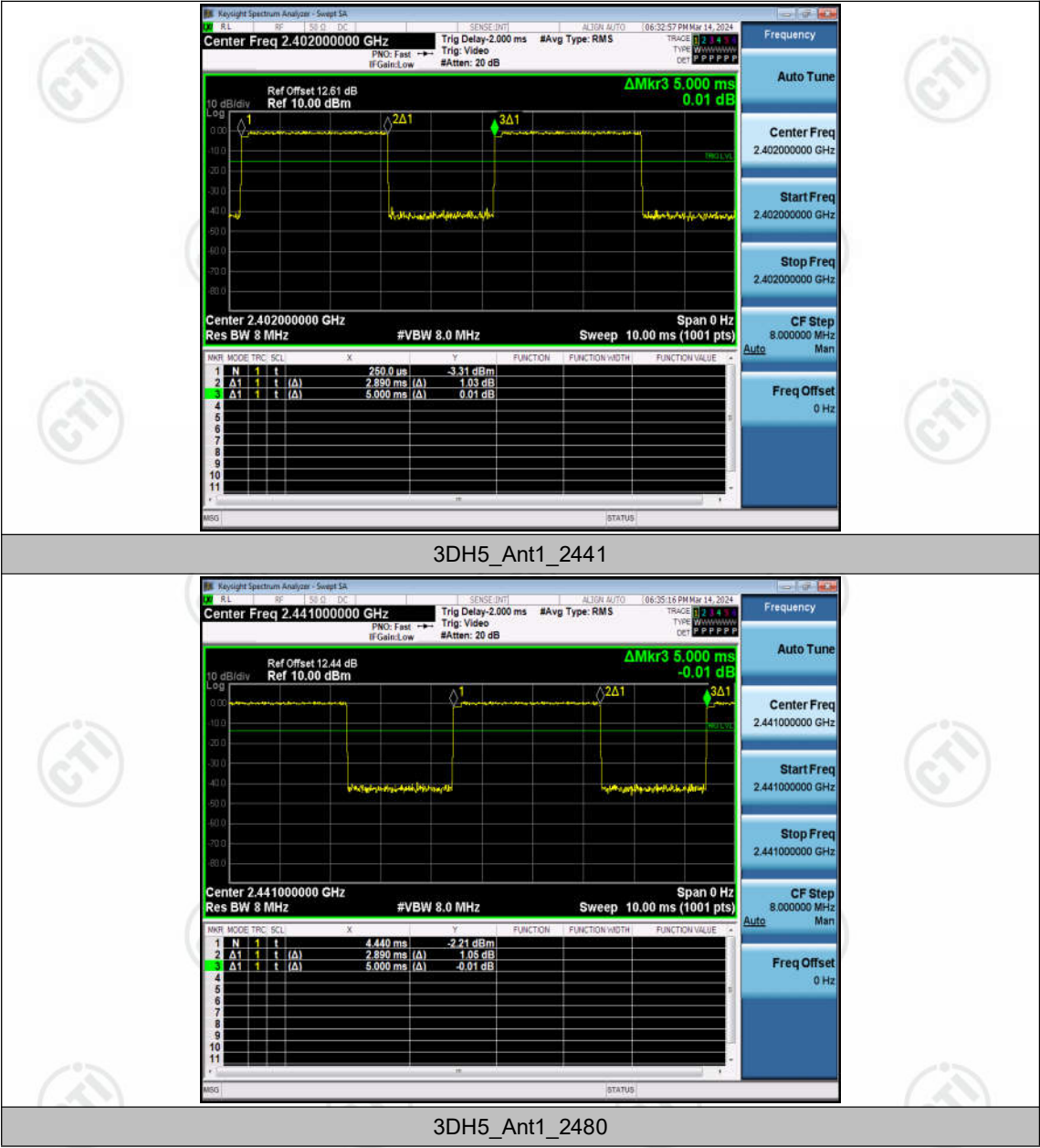
TestMode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.89	5.00	57.80	2.38
		2441	2.89	5.00	57.80	2.38
		2480	2.89	5.00	57.80	2.38
2DH5	Ant1	2402	2.90	5.00	58.00	2.37
		2441	2.89	5.00	57.80	2.38
		2480	2.90	5.00	58.00	2.37
3DH5	Ant1	2402	2.89	5.00	57.80	2.38
		2441	2.89	5.00	57.80	2.38
		2480	2.89	5.00	57.80	2.38

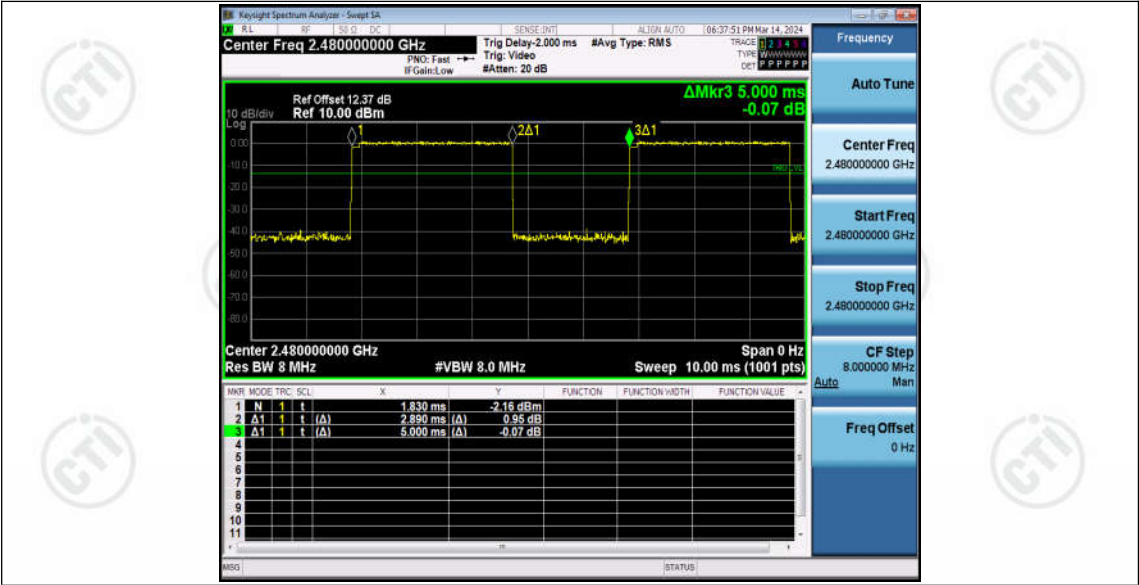
Test Graphs











*** End of Report ***