

Appendix: Bluetooth Classic

Contents

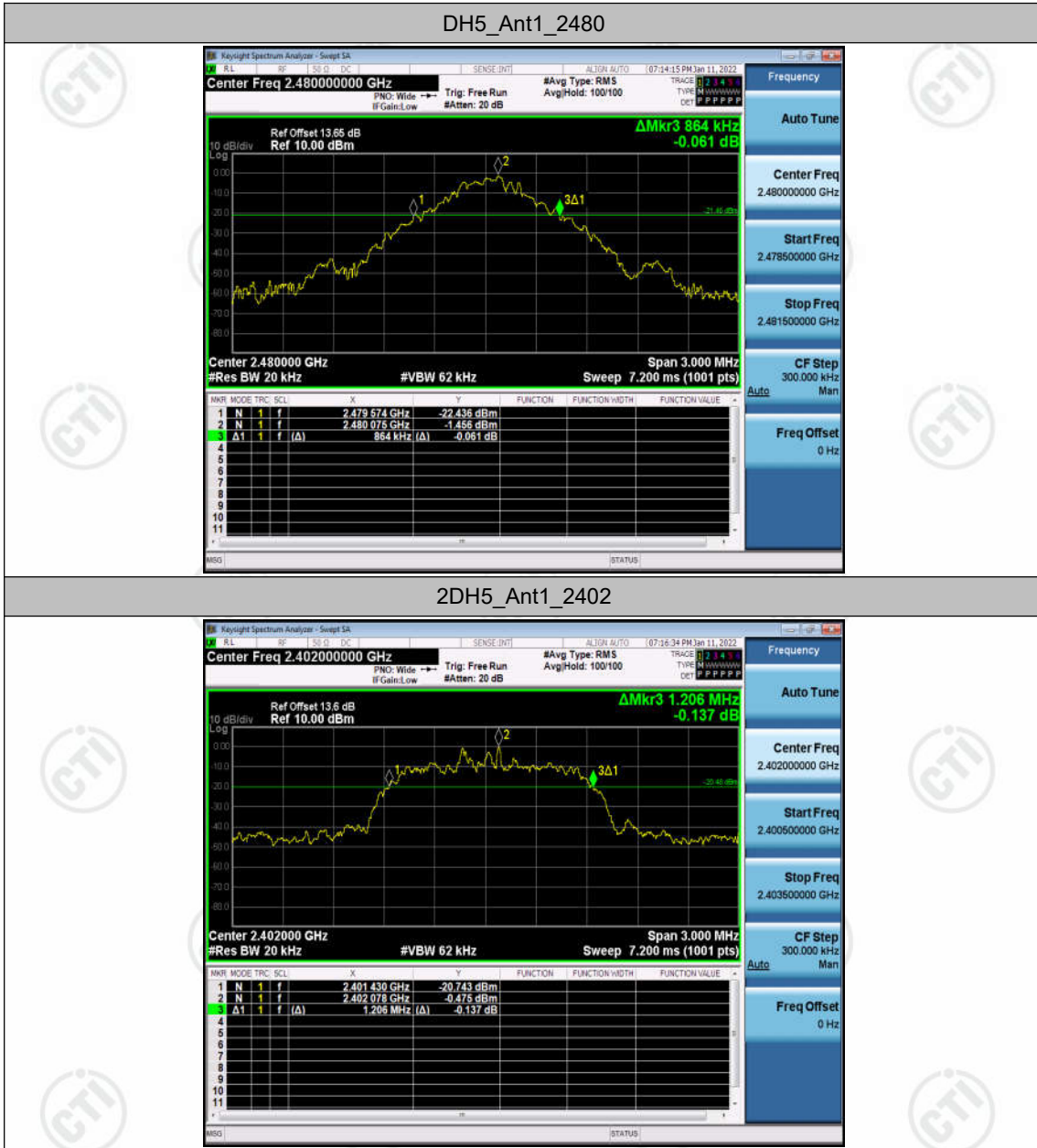
AppendixA: 20dBEmission Bandwidth.....	3
Test Result.....	3
Test Graphs.....	4
AppendixB: Occupied Channel Bandwidth.....	9
Test Result.....	9
Test Graphs.....	10
AppendixC: Maximum conducted output power.....	15
Test Result.....	15
Test Graphs.....	16
AppendixD: Carrier frequency separation.....	21
Test Result.....	21
Test Graphs.....	22
AppendixE: Time of occupancy.....	27
Test Result.....	27
Test Graphs.....	28
AppendixF: Number of hopping channels.....	37
Test Result.....	37
Test Graphs.....	38
AppendixG:Band edge measurements.....	40
Test Result.....	40
Test Graphs.....	41
AppendixH:Conducted SpuriousEmission.....	47
Test Result.....	47
Test Graphs.....	48
AppendixI: DutyCycle.....	62
Test Result.....	62
Test Graphs.....	63

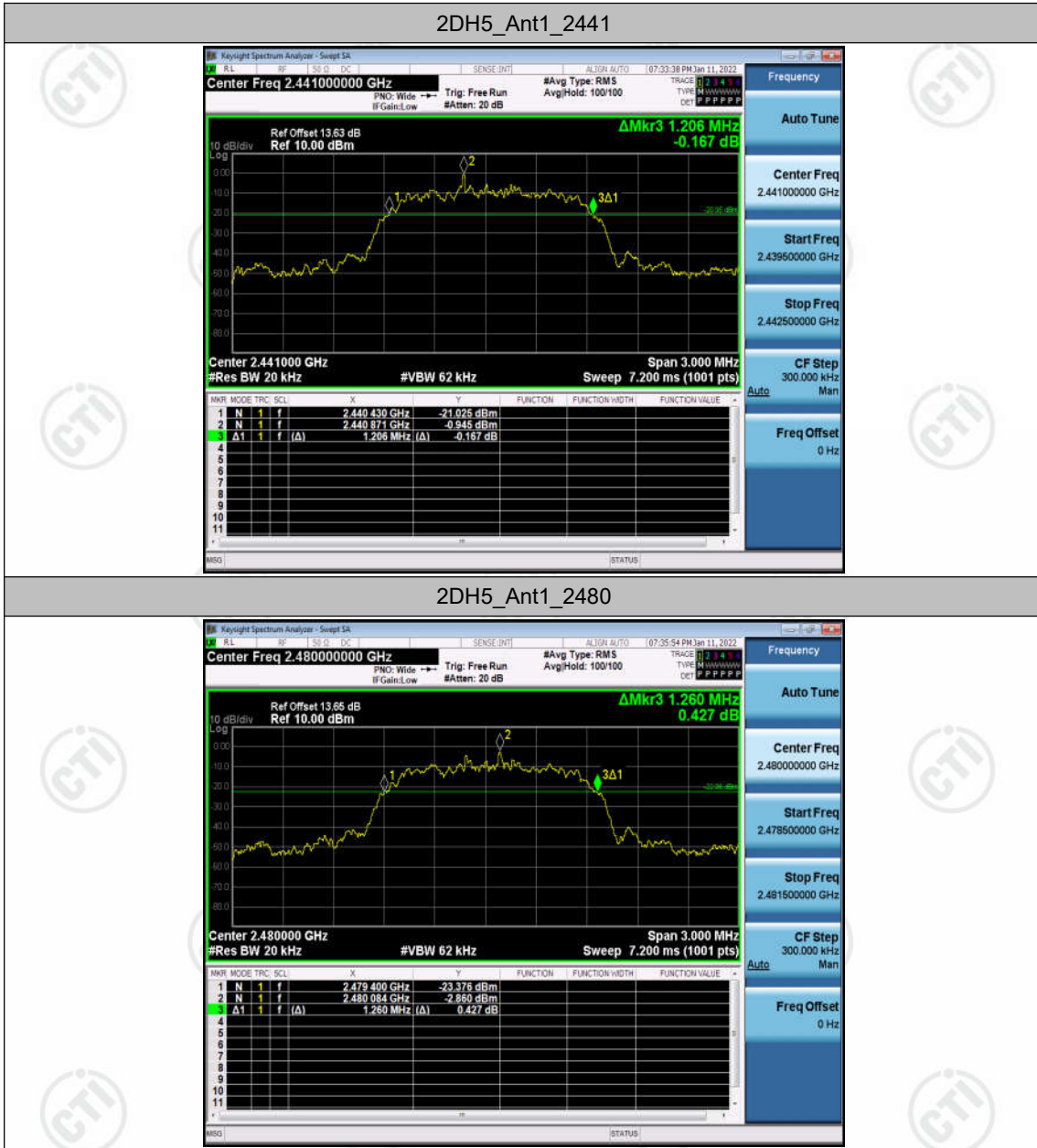
AppendixA: 20dBEmission Bandwidth**Test Result**

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.888	2401.574	2402.462	---	PASS
		2441	0.867	2440.574	2441.441	---	PASS
		2480	0.864	2479.574	2480.438	---	PASS
2DH5	Ant1	2402	1.206	2401.430	2402.636	---	PASS
		2441	1.206	2440.430	2441.636	---	PASS
		2480	1.260	2479.400	2480.660	---	PASS
3DH5	Ant1	2402	1.299	2401.367	2402.666	---	PASS
		2441	1.188	2440.445	2441.633	---	PASS
		2480	1.290	2479.379	2480.669	---	PASS

Test Graphs









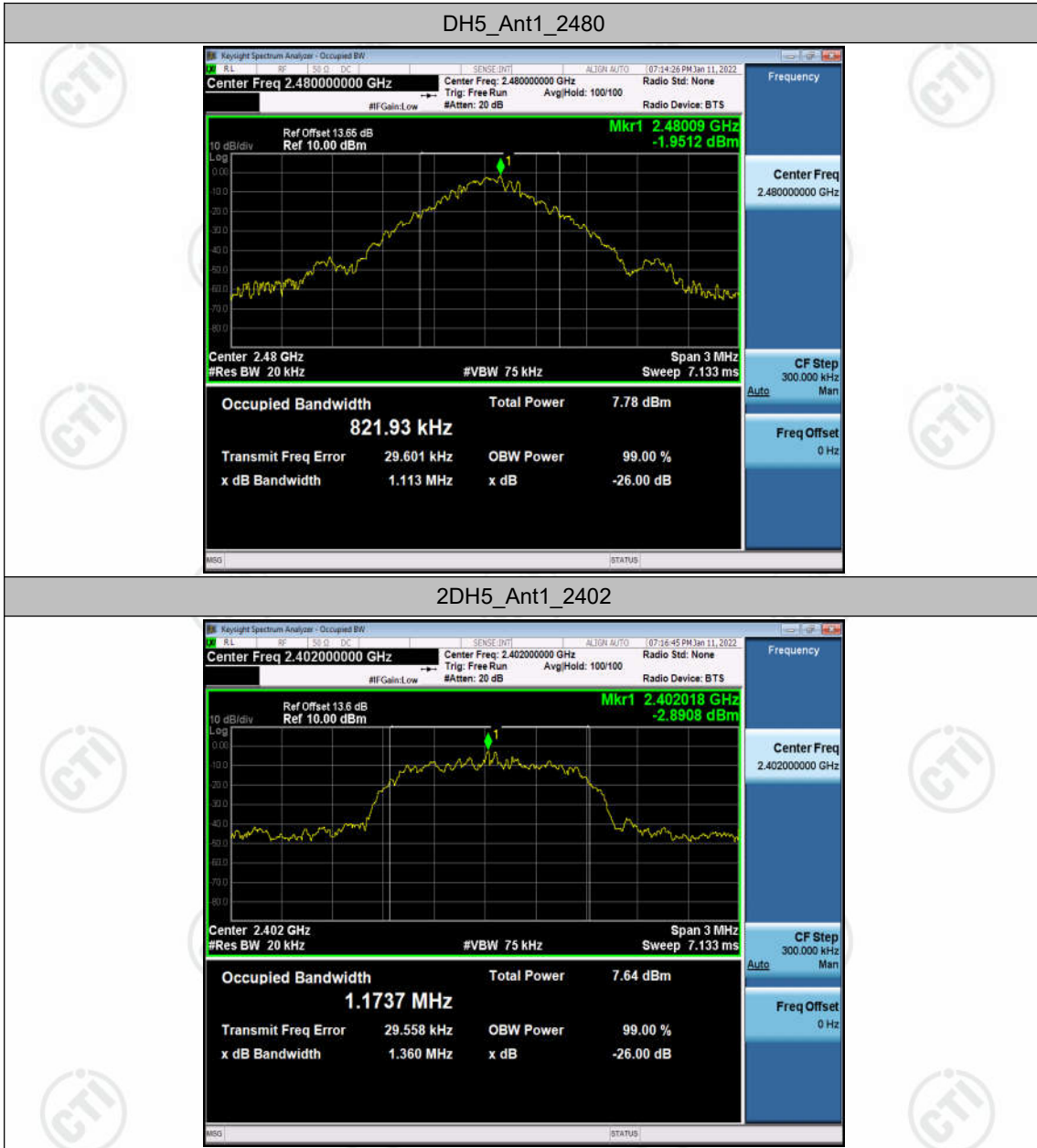


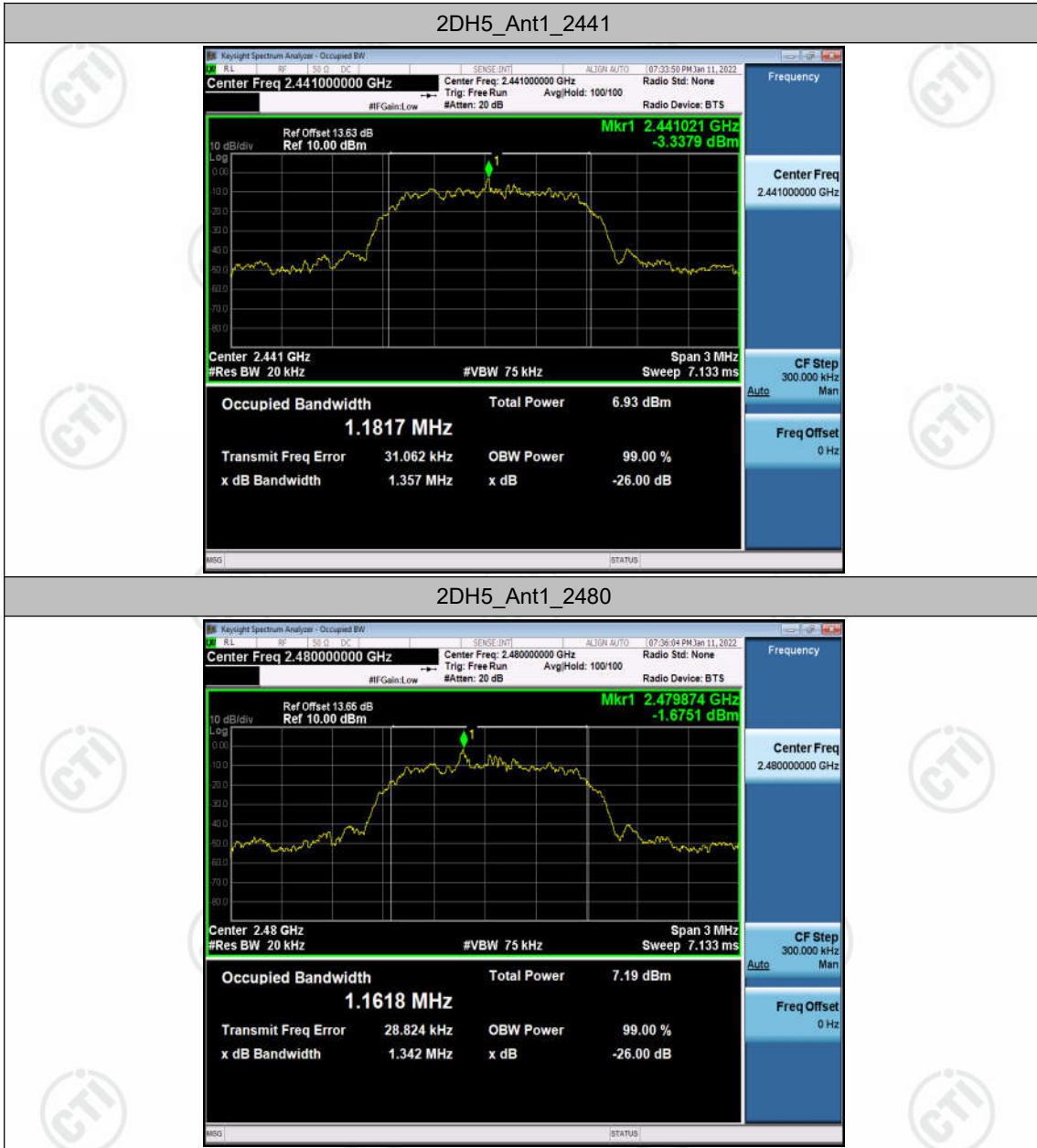
AppendixB: Occupied Channel Bandwidth**Test Result**

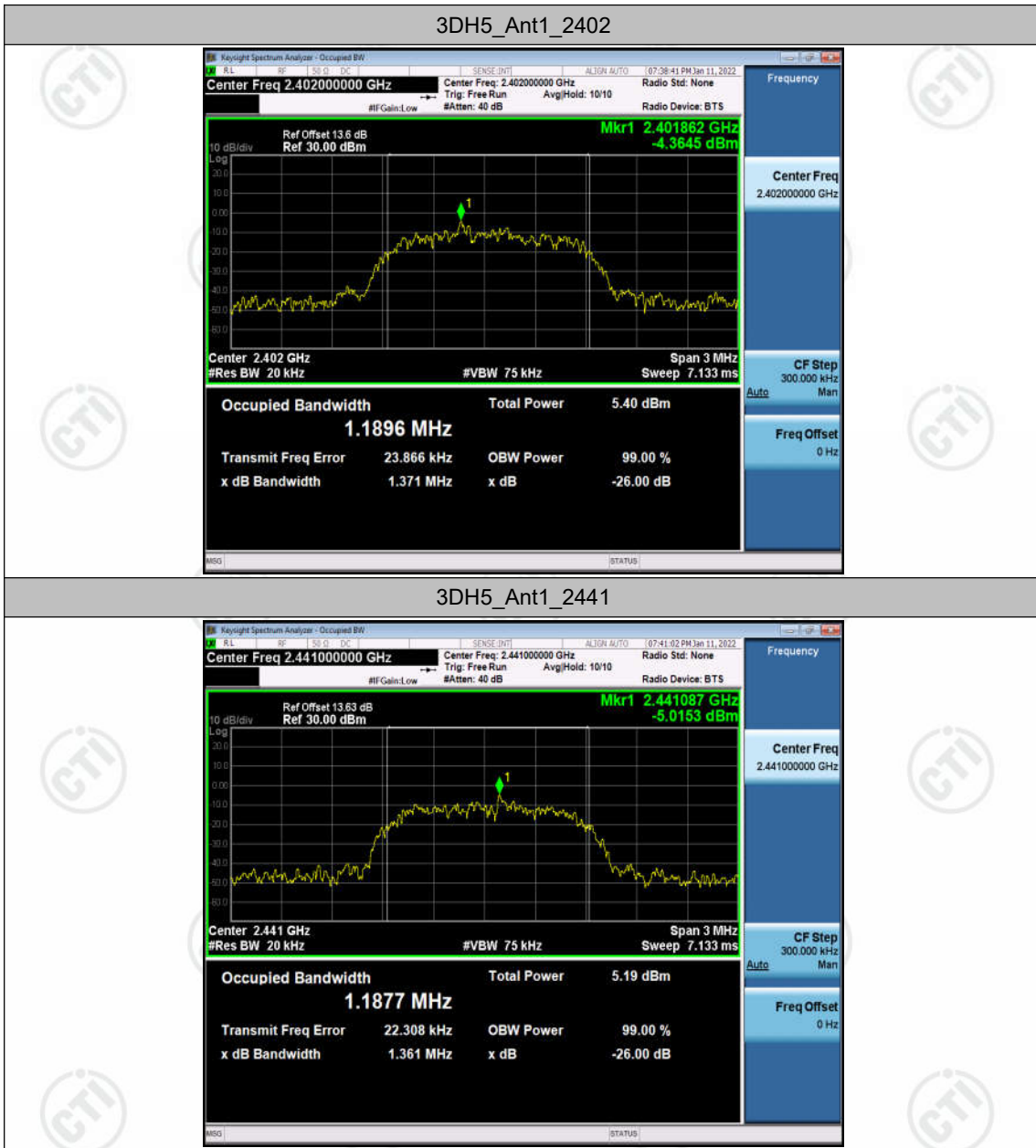
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.80948	2401.625	2402.434	---	PASS
		2441	0.81924	2440.618	2441.437	---	PASS
		2480	0.82193	2479.619	2480.441	---	PASS
2DH5	Ant1	2402	1.1737	2401.443	2402.616	---	PASS
		2441	1.1817	2440.440	2441.622	---	PASS
		2480	1.1618	2479.448	2480.610	---	PASS
3DH5	Ant1	2402	1.1896	2401.429	2402.619	---	PASS
		2441	1.1877	2440.428	2441.616	---	PASS
		2480	1.1733	2479.451	2480.625	---	PASS

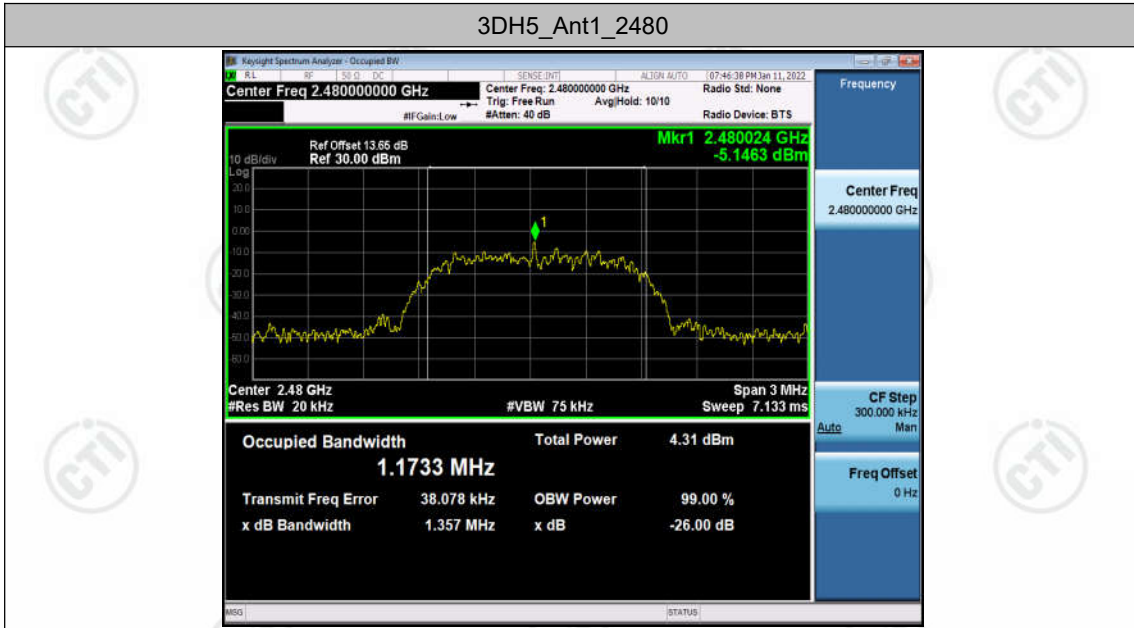
Test Graphs







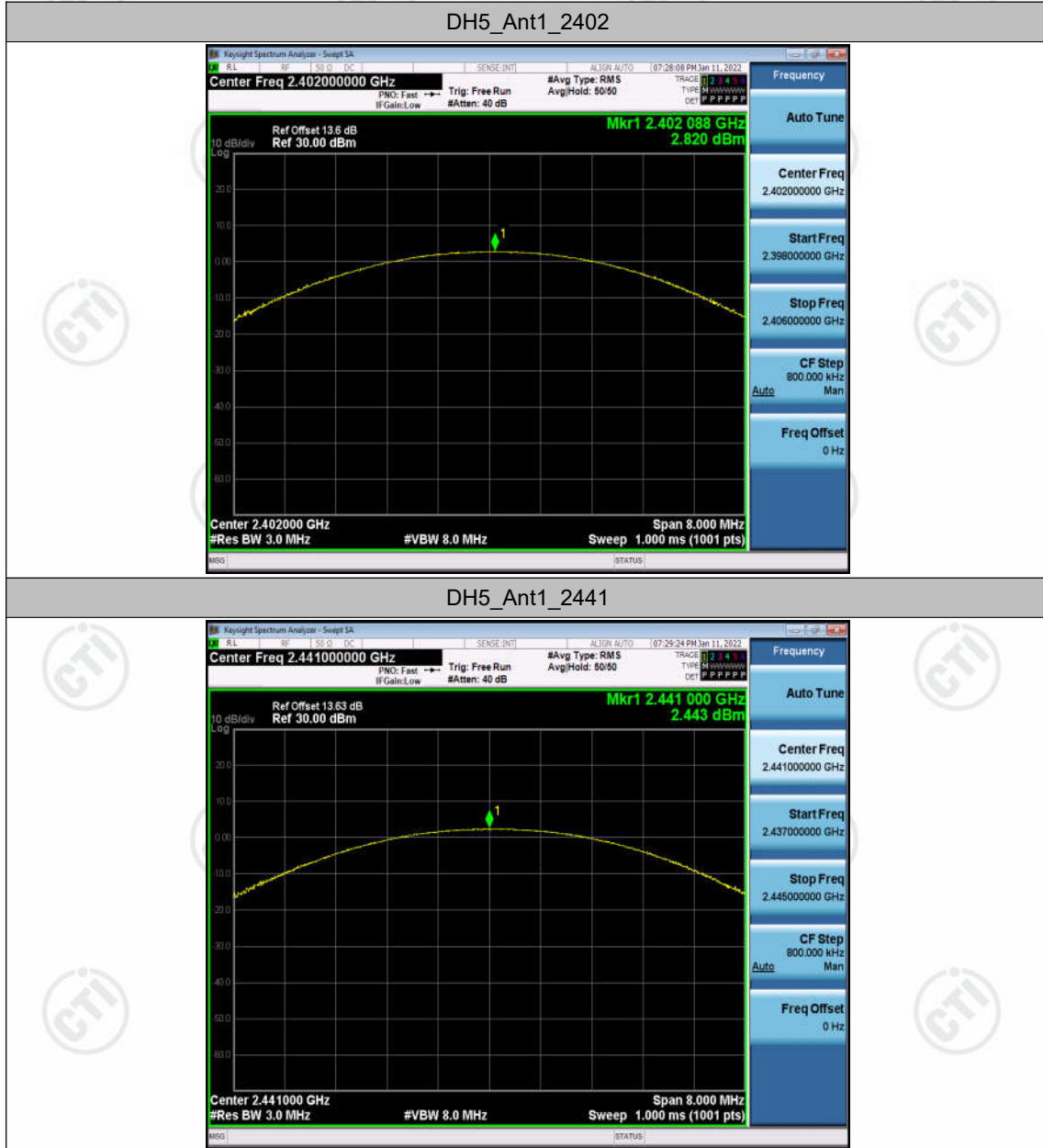




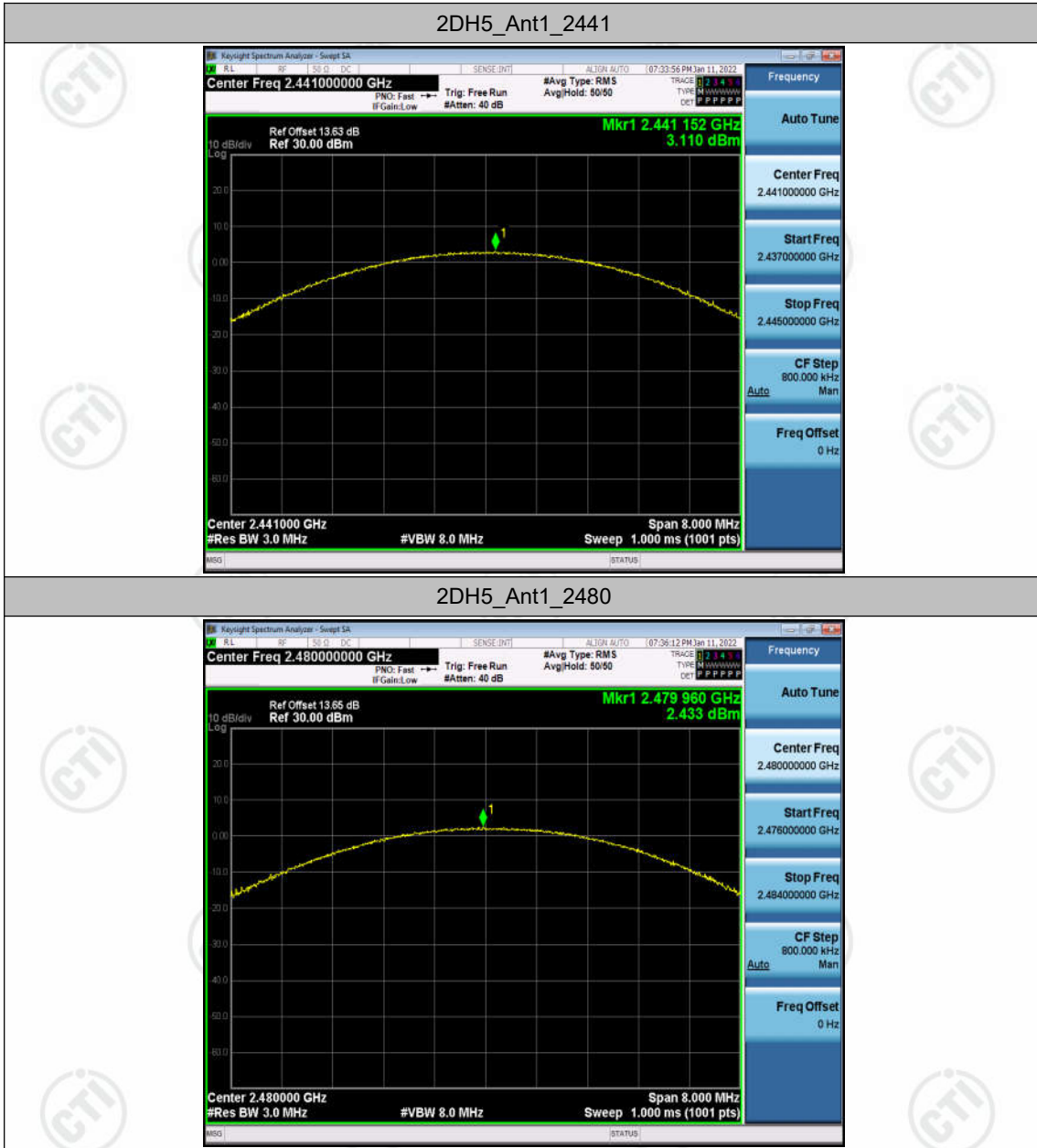
AppendixC: Maximum conducted output power**Test Result**

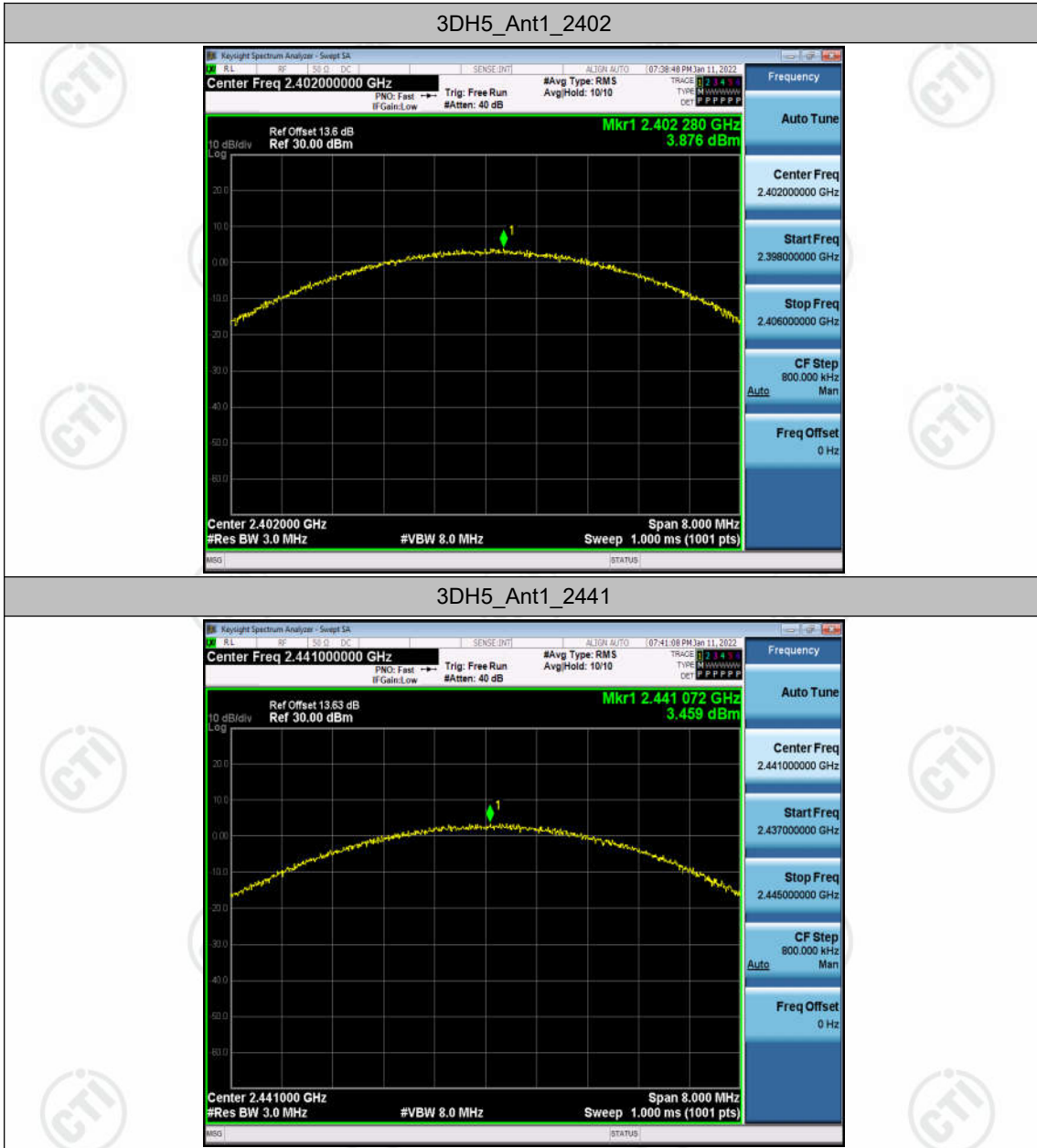
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	2.82	<=20.97	PASS
		2441	2.44	<=20.97	PASS
		2480	1.84	<=20.97	PASS
2DH5	Ant1	2402	3.32	<=20.97	PASS
		2441	3.11	<=20.97	PASS
		2480	2.43	<=20.97	PASS
3DH5	Ant1	2402	3.88	<=20.97	PASS
		2441	3.46	<=20.97	PASS
		2480	2.97	<=20.97	PASS

Test Graphs









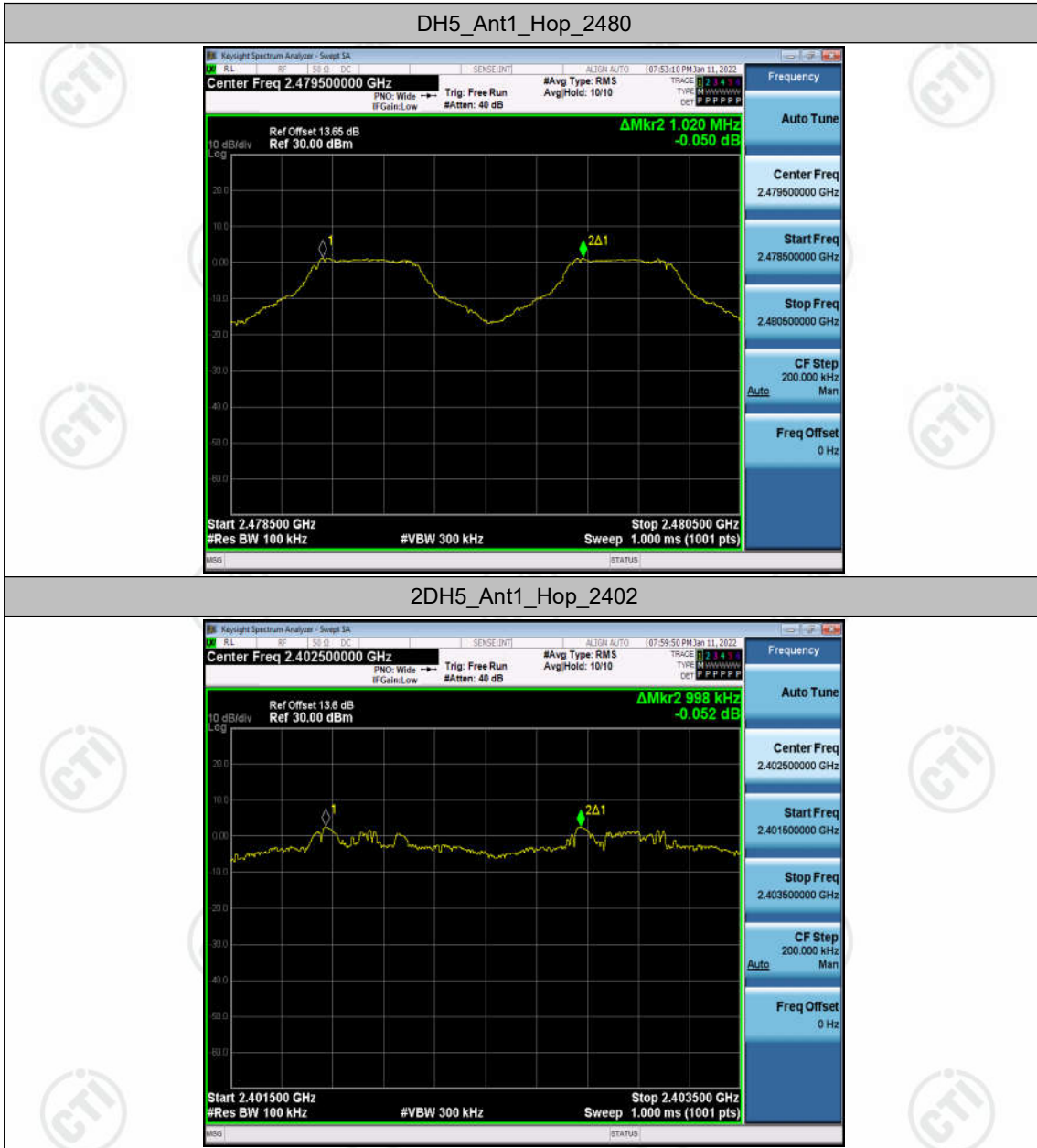


AppendixD: Carrier frequency separation**Test Result**

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop_2402	1.004	≥ 0.888	PASS
		Hop_2441	1.004	≥ 0.888	PASS
		Hop_2480	1.02	≥ 0.888	PASS
2DH5	Ant1	Hop_2402	0.998	≥ 0.840	PASS
		Hop_2441	1.012	≥ 0.840	PASS
		Hop_2480	0.998	≥ 0.840	PASS
3DH5	Ant1	Hop_2402	1.048	≥ 0.866	PASS
		Hop_2441	0.98	≥ 0.866	PASS
		Hop_2480	1.084	≥ 0.866	PASS

Test Graphs



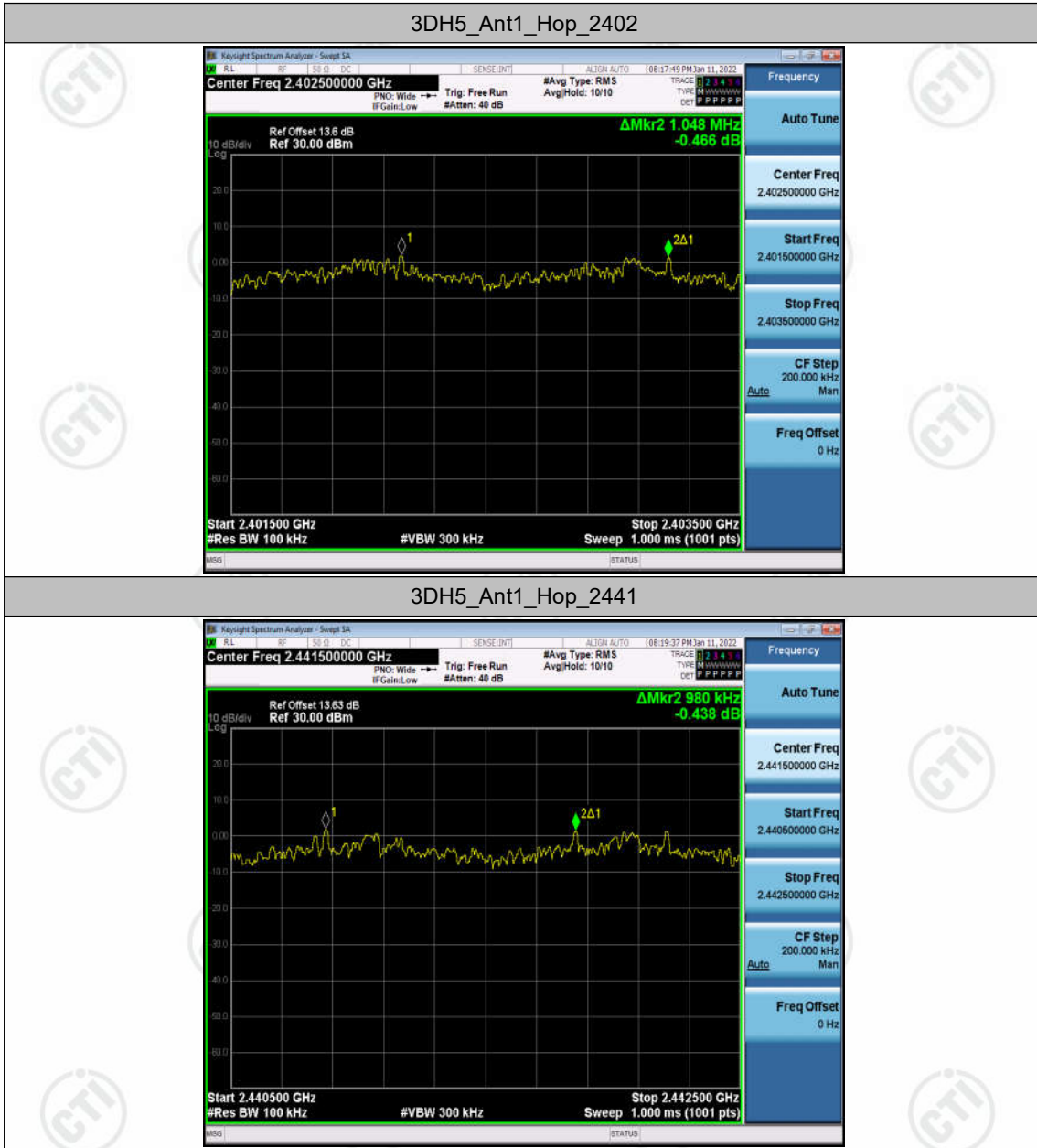


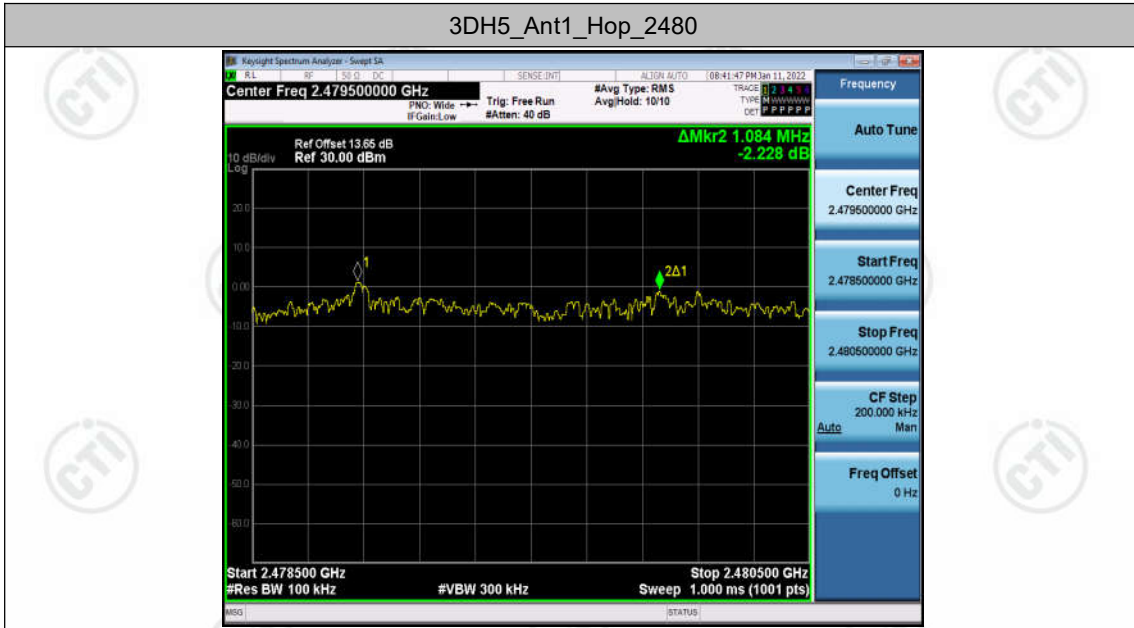
2DH5_Ant1_Hop_2441



2DH5_Ant1_Hop_2480



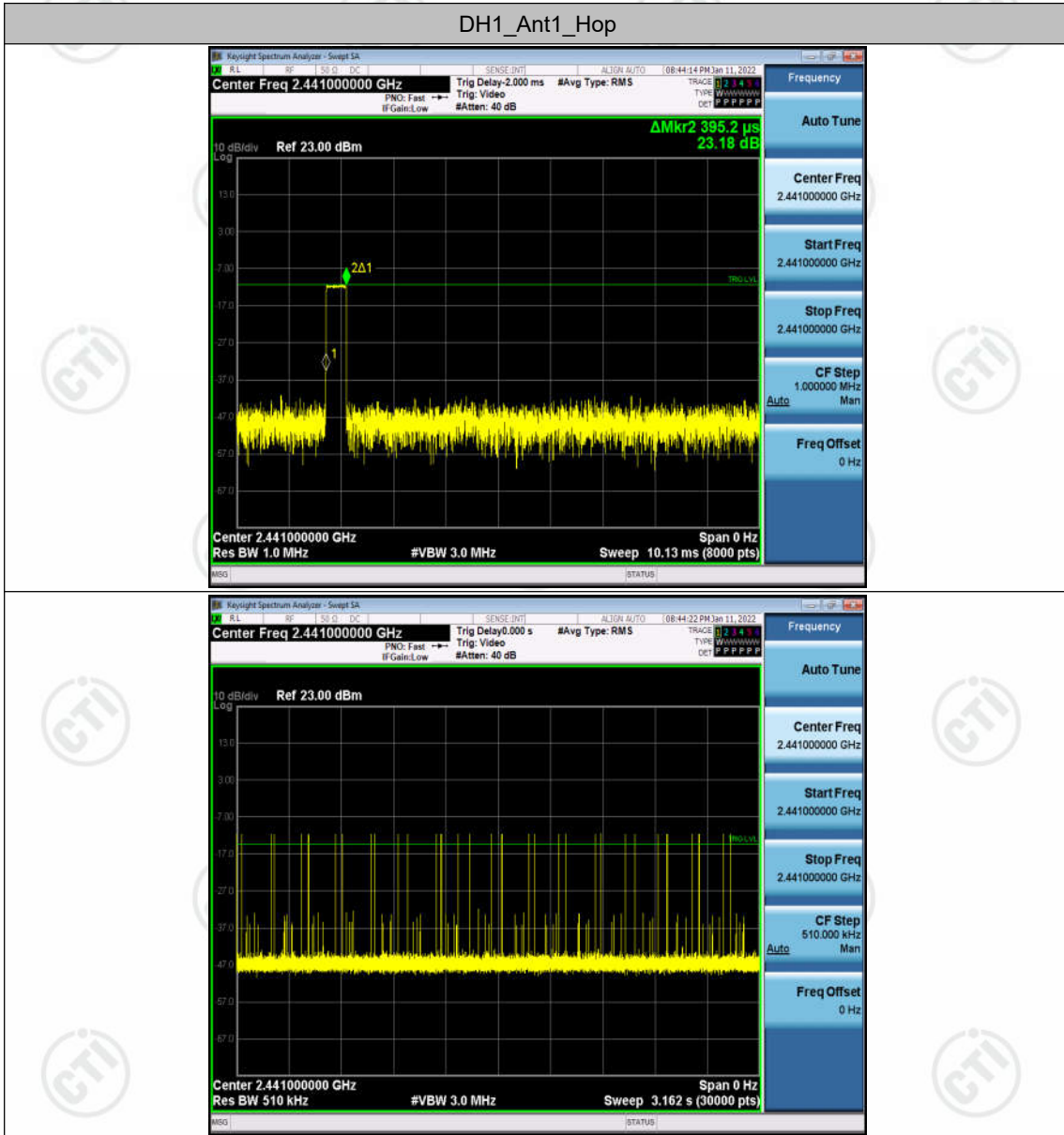


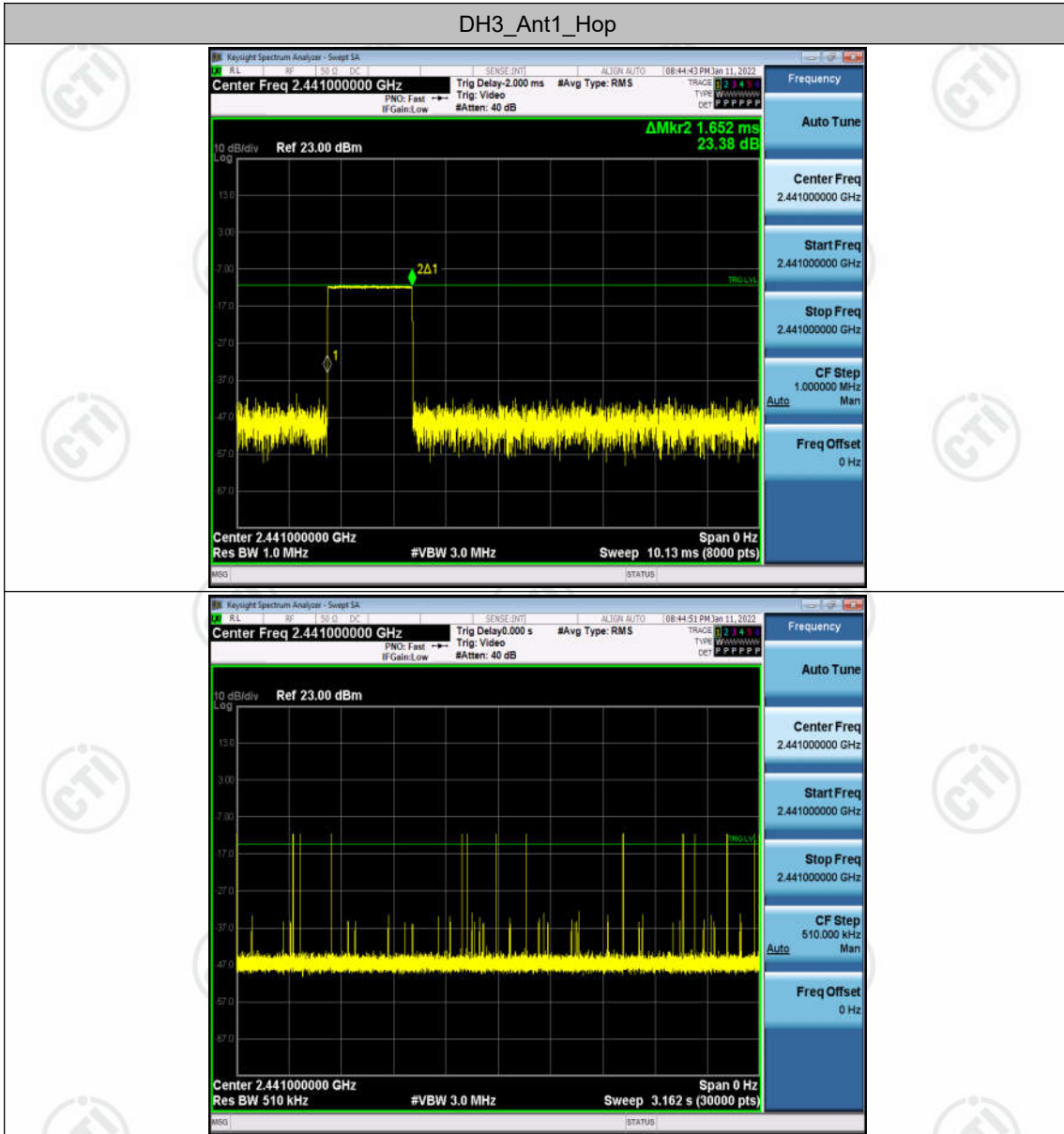


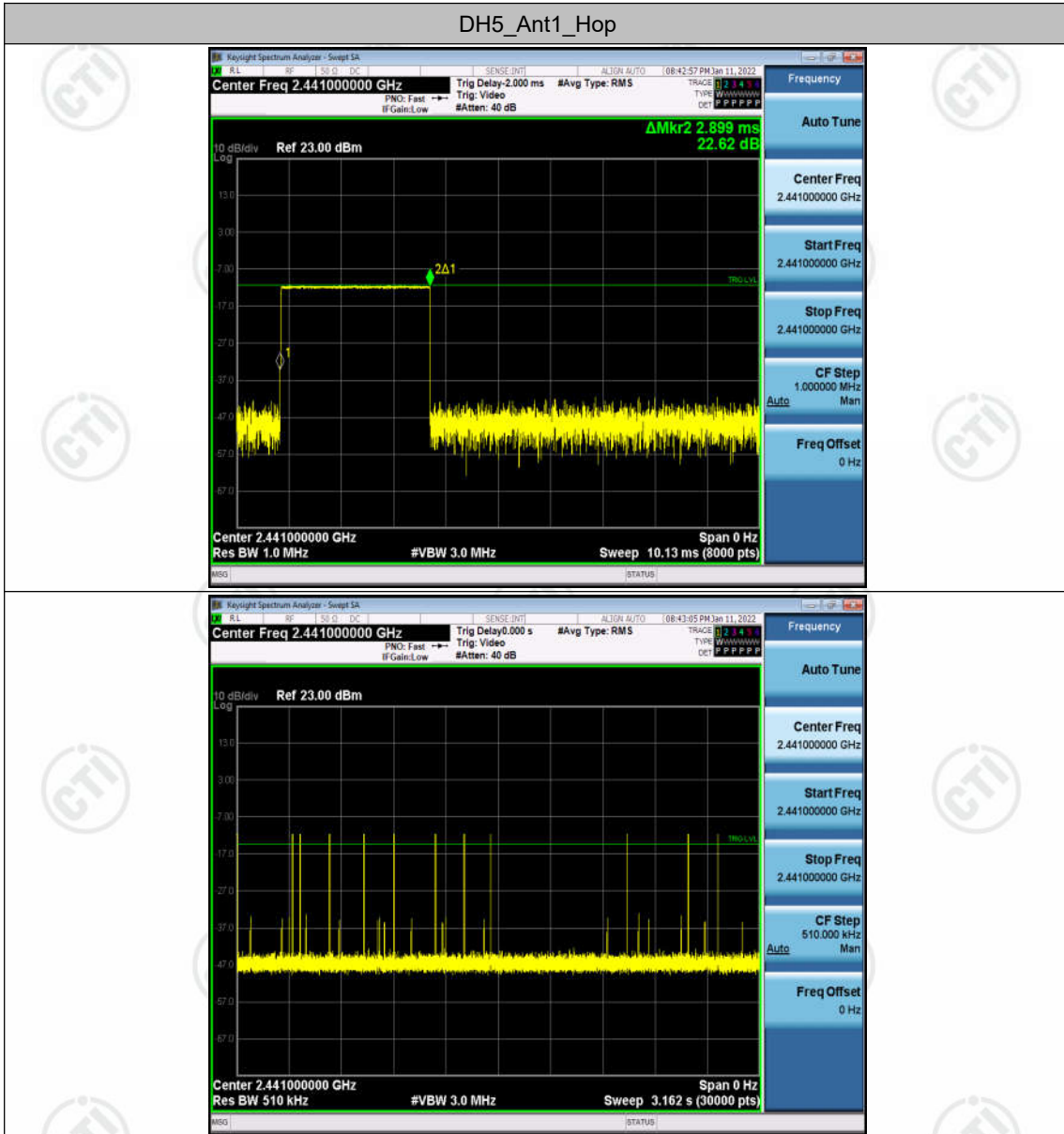
AppendixE: Time of occupancy**Test Result**

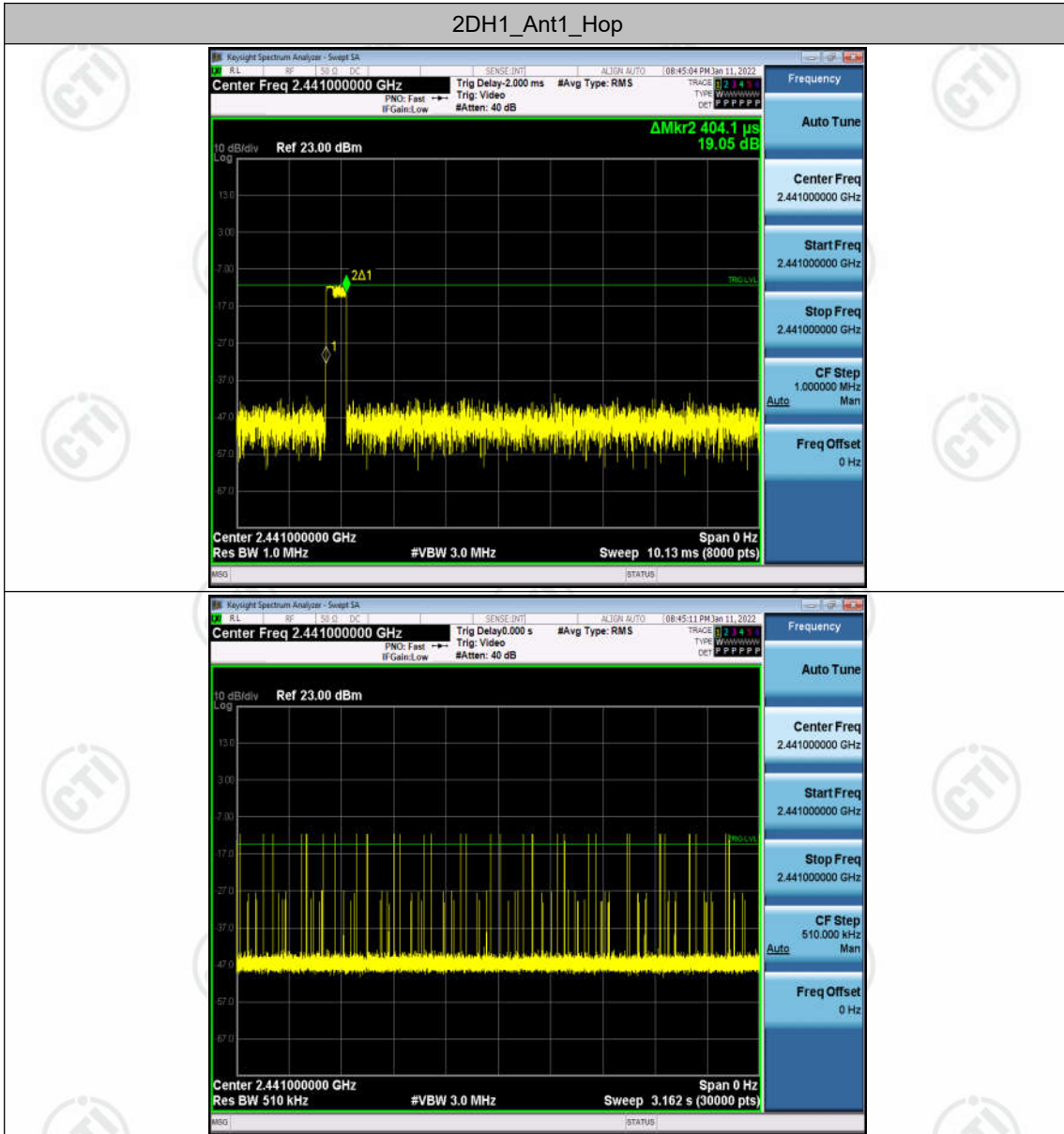
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.40	320	0.126	<=0.4	PASS
DH3	Ant1	Hop	1.65	140	0.231	<=0.4	PASS
DH5	Ant1	Hop	2.90	120	0.348	<=0.4	PASS
2DH1	Ant1	Hop	0.40	330	0.133	<=0.4	PASS
2DH3	Ant1	Hop	1.66	190	0.315	<=0.4	PASS
2DH5	Ant1	Hop	2.90	120	0.349	<=0.4	PASS
3DH1	Ant1	Hop	0.41	330	0.134	<=0.4	PASS
3DH3	Ant1	Hop	1.66	140	0.232	<=0.4	PASS
3DH5	Ant1	Hop	2.91	120	0.349	<=0.4	PASS

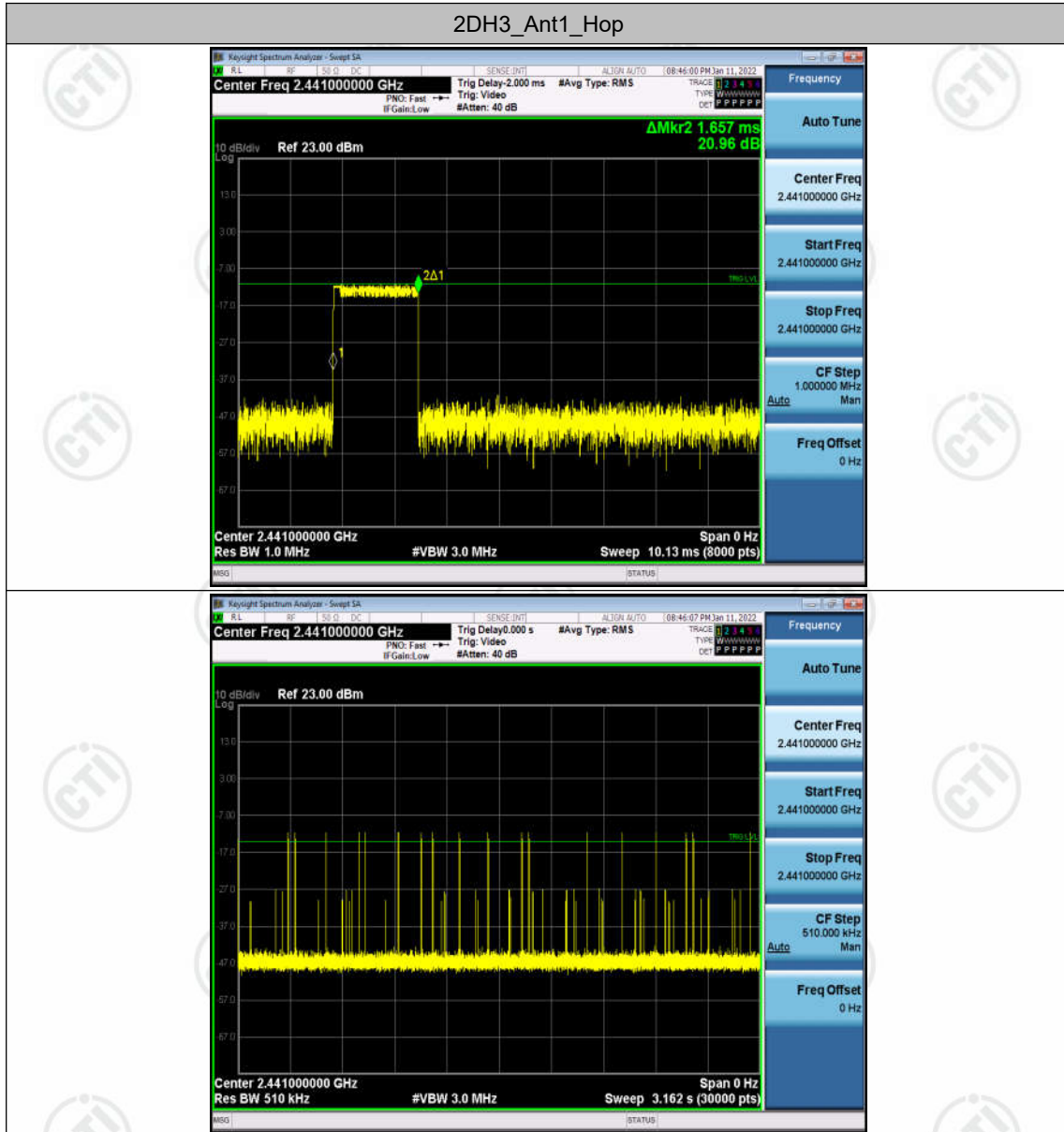
Test Graphs

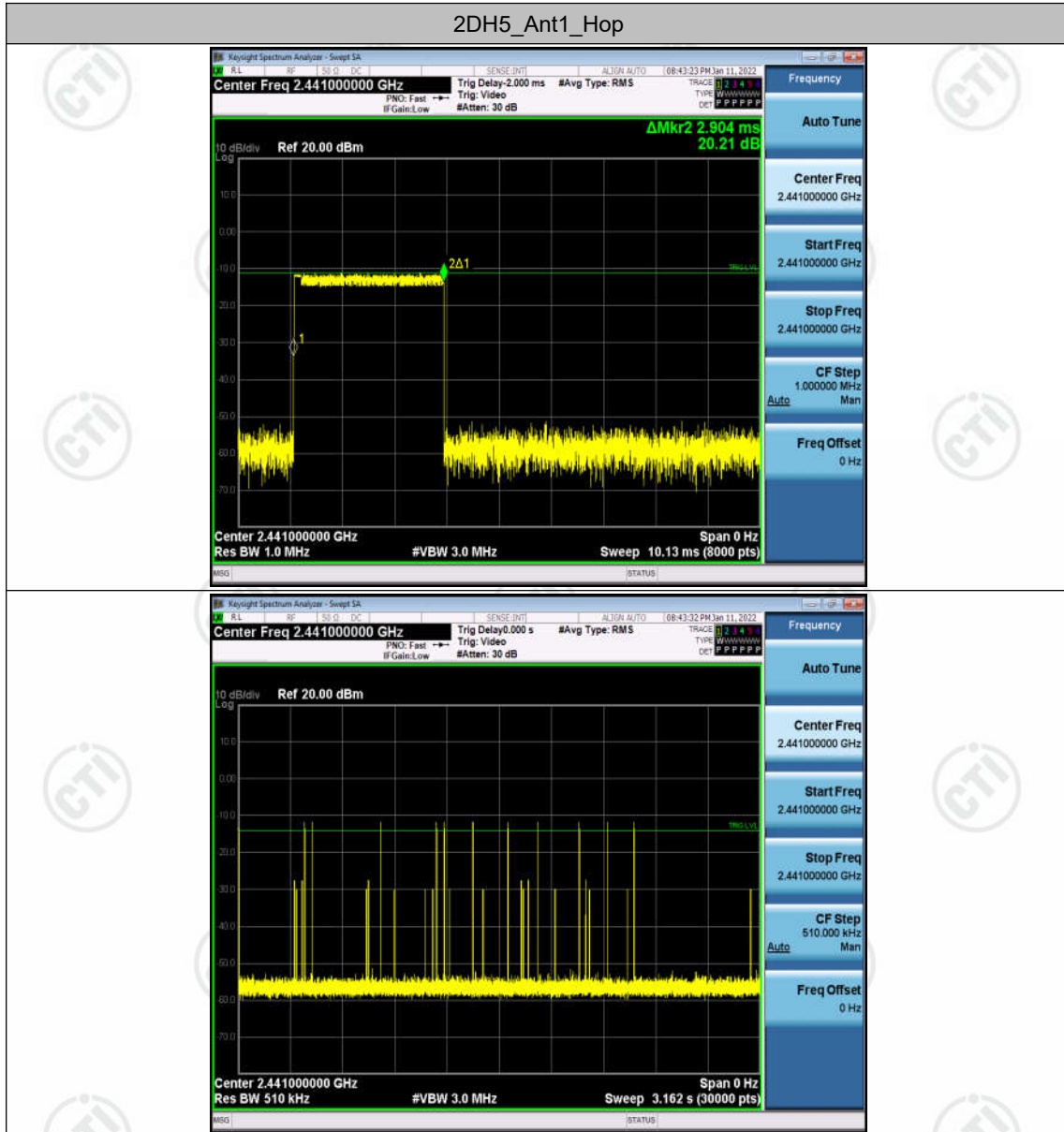


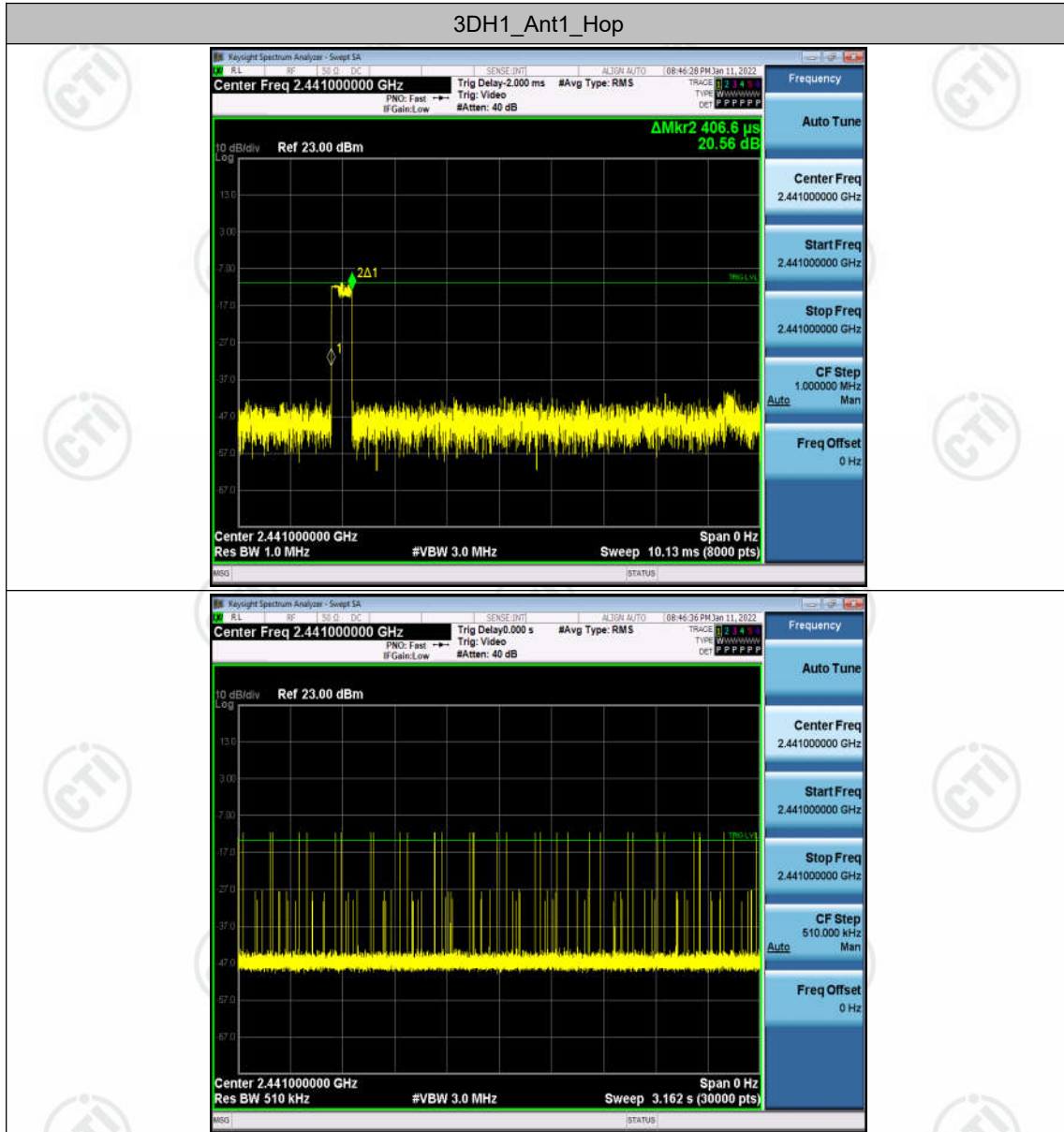


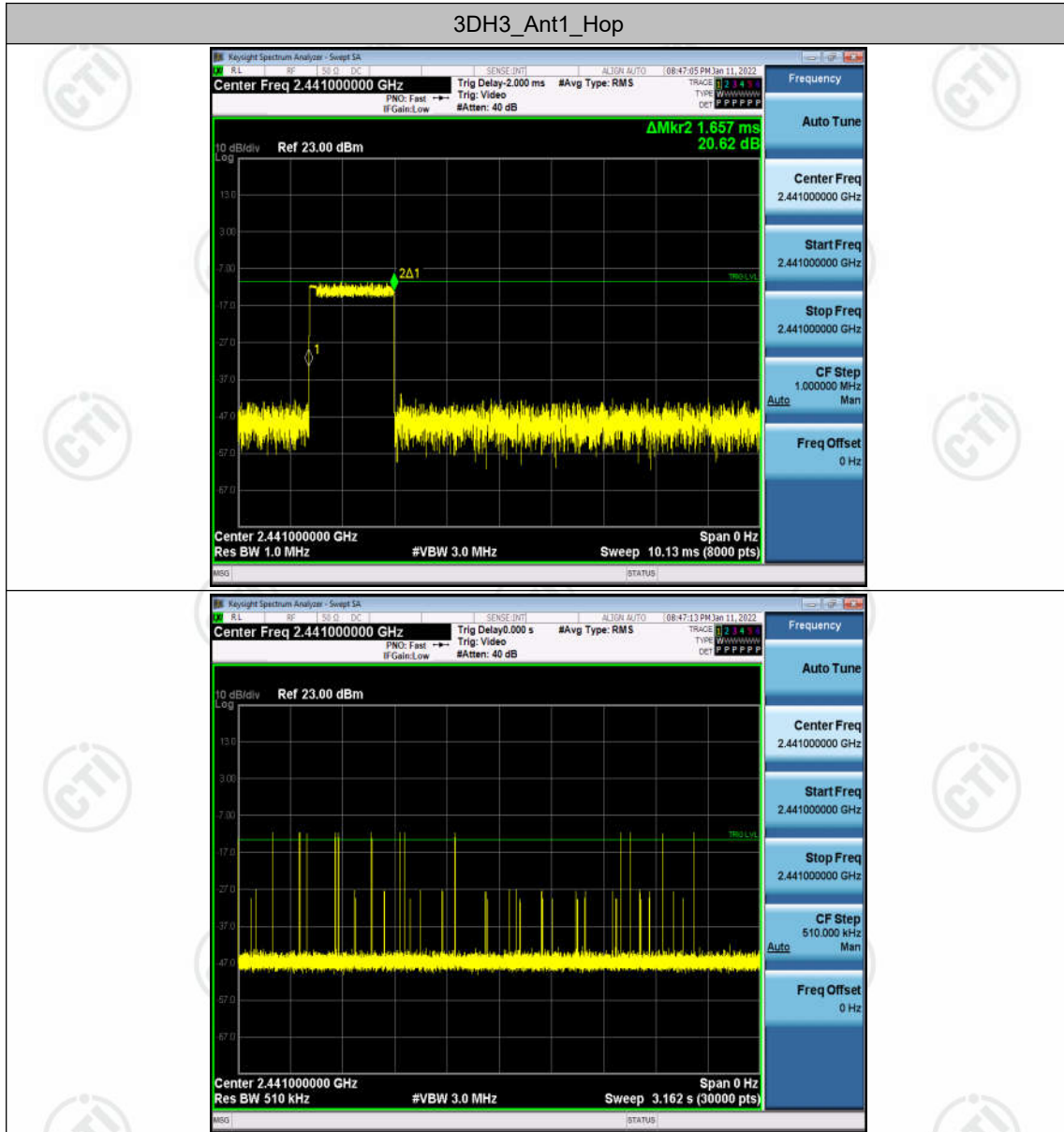


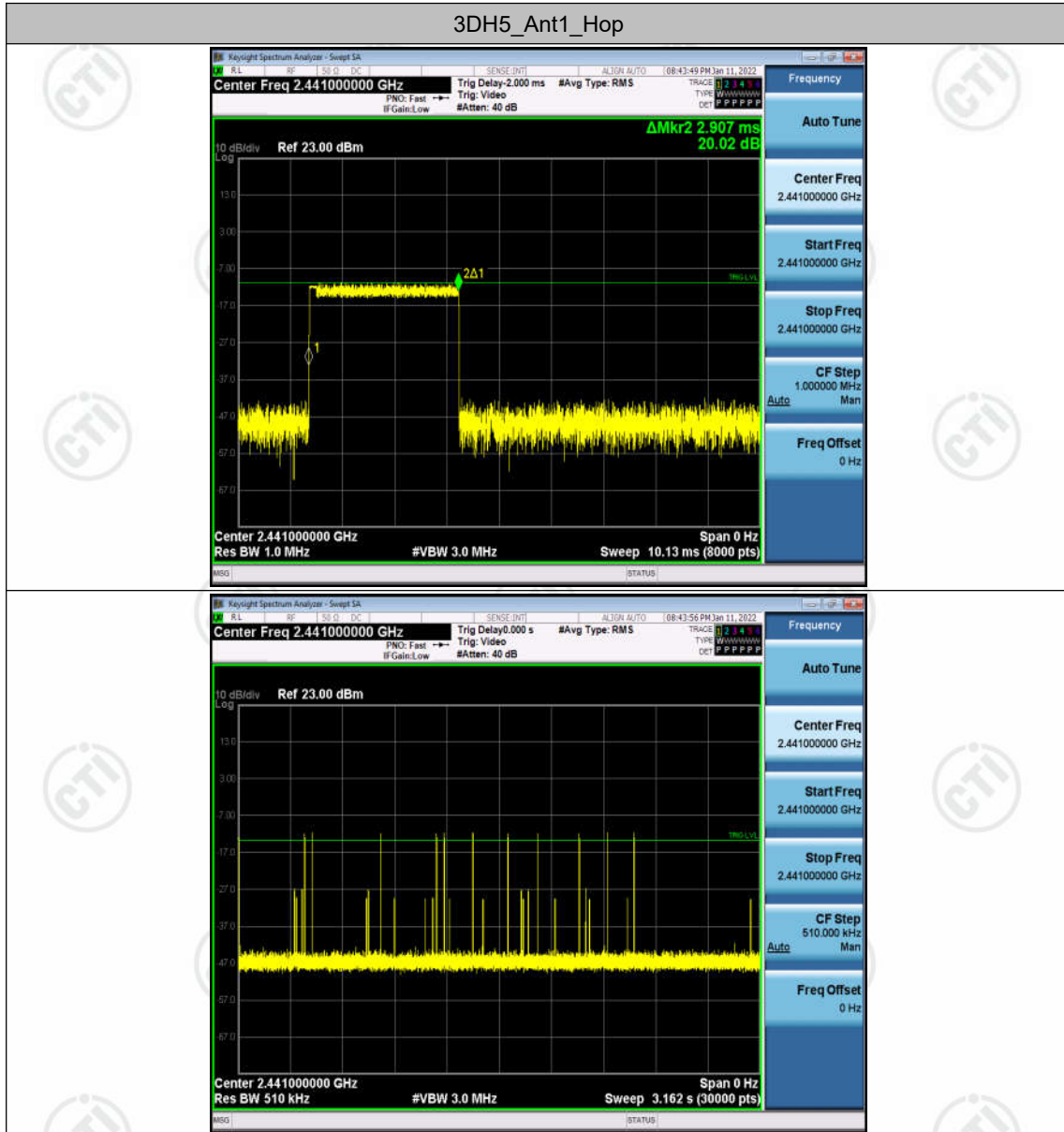








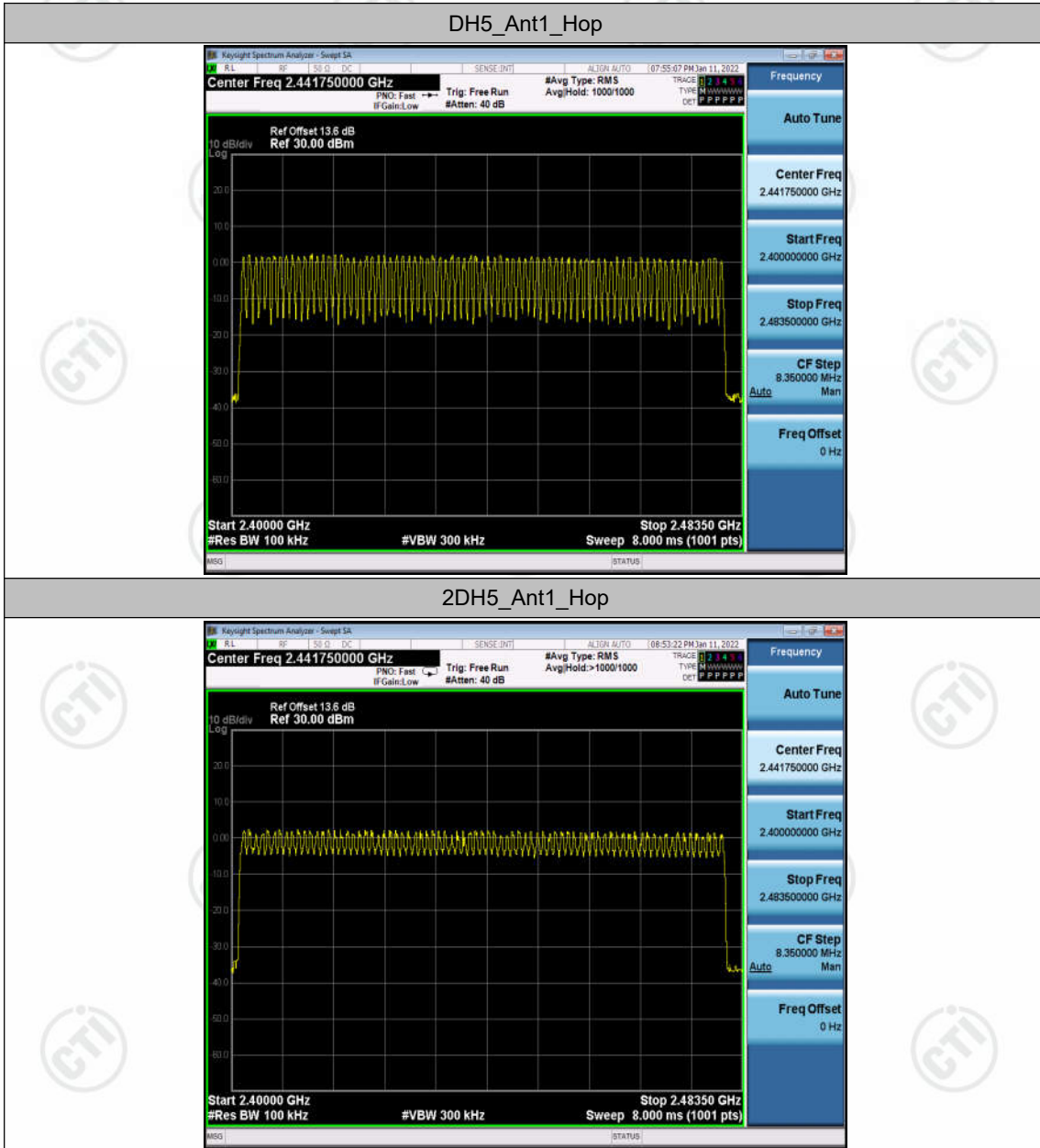


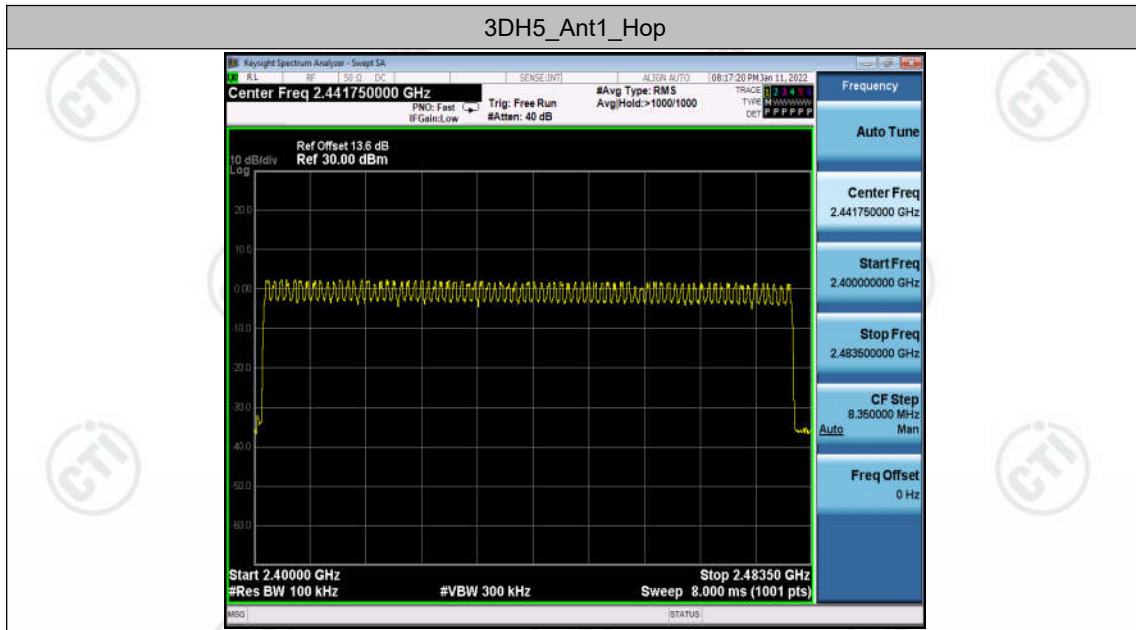


AppendixF: Number of hopping channels**Test Result**

TestMode	Antenna	Channel	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



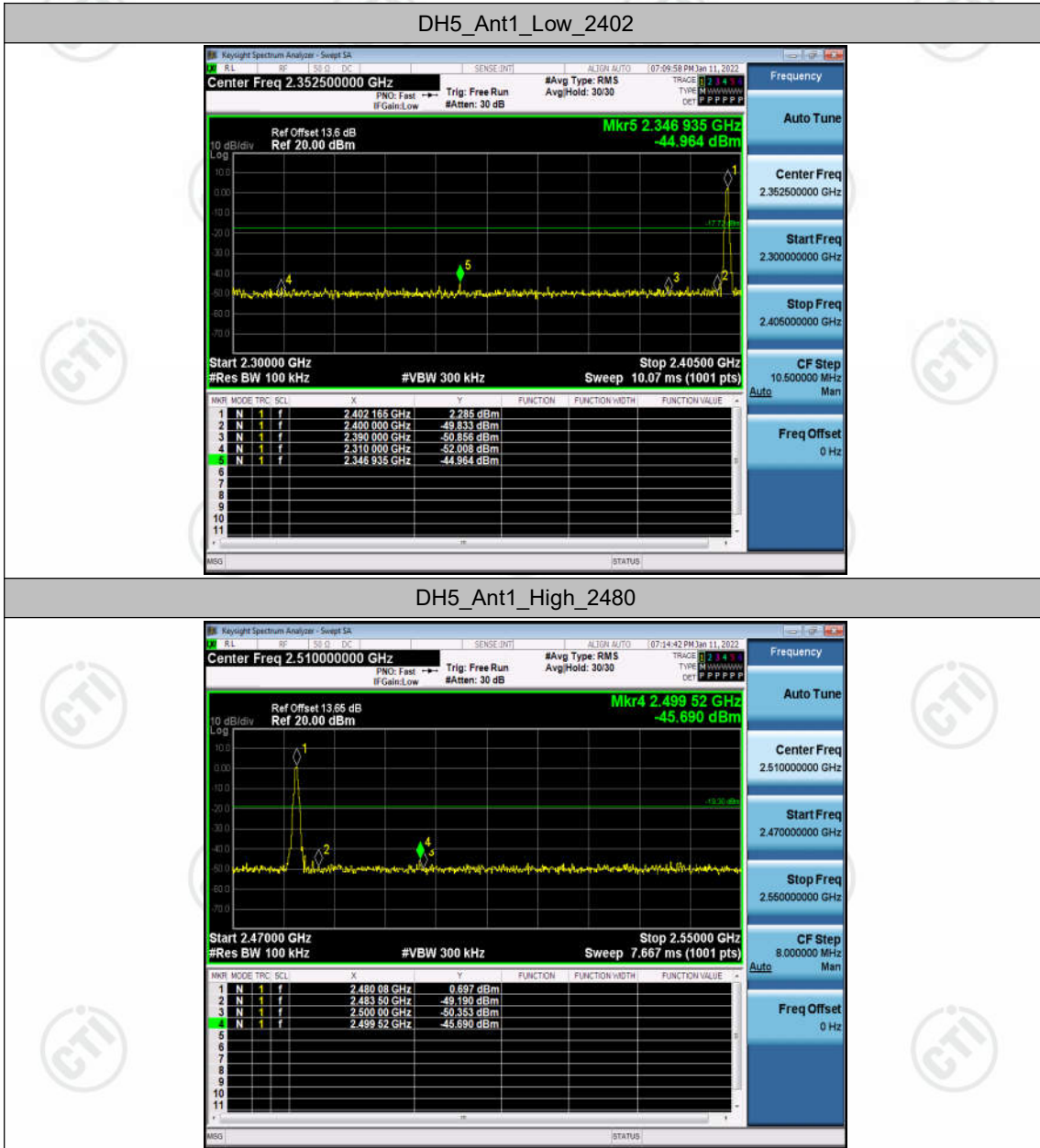


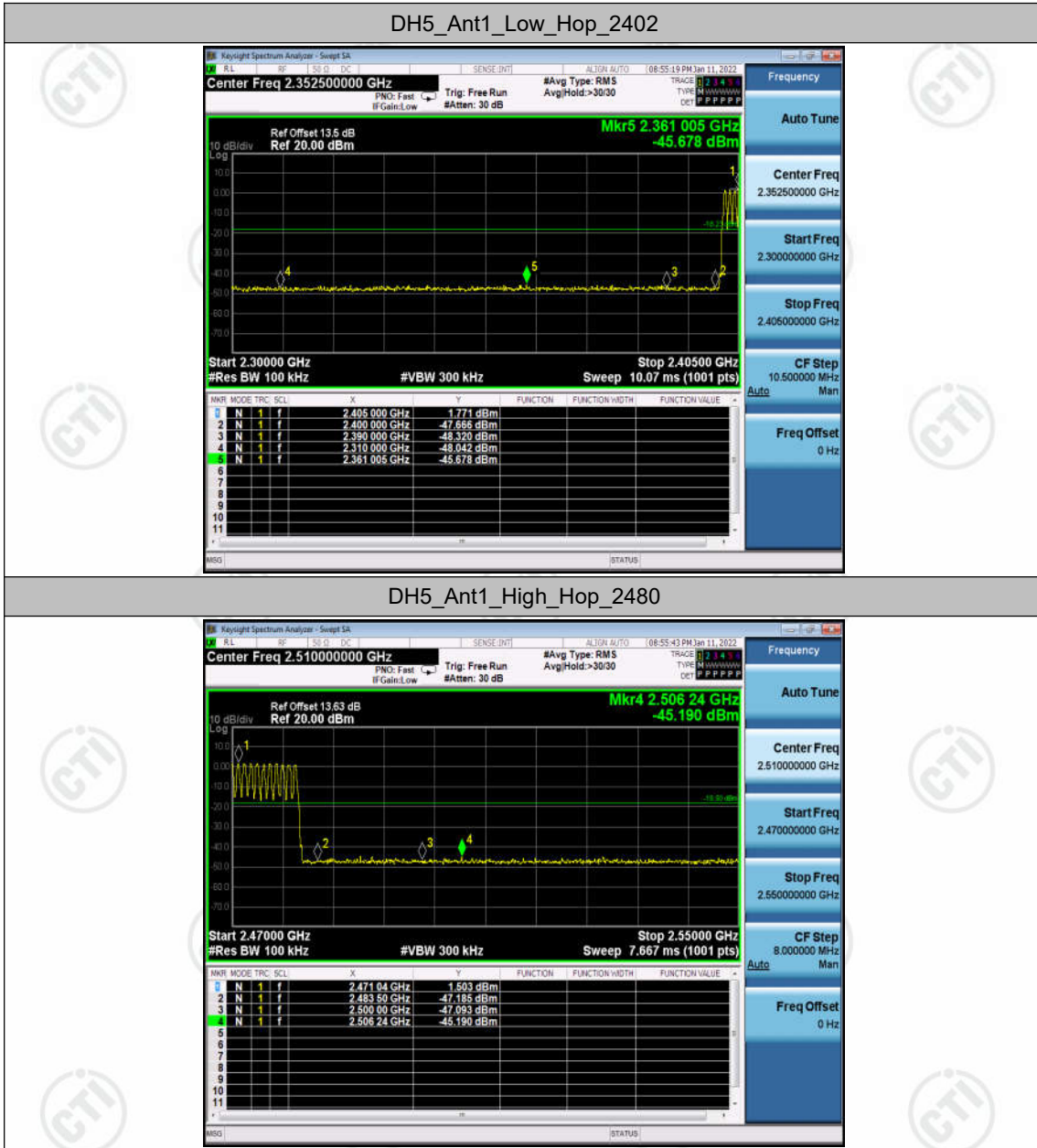
AppendixG:Band edge measurements

Test Result

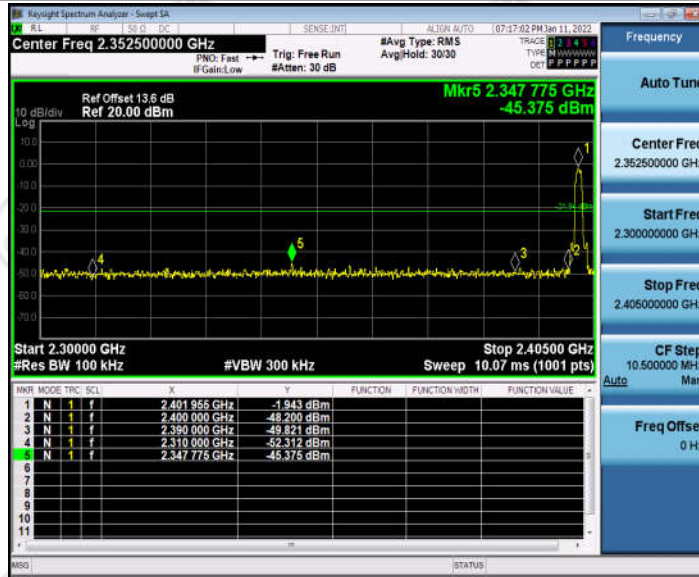
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.29	-44.96	<=-17.72	PASS
		High	2480	0.70	-45.69	<=-19.3	PASS
		Low	Hop_2402	1.77	-45.68	<=-18.23	PASS
		High	Hop_2480	1.50	-45.19	<=-18.5	PASS
2DH5	Ant1	Low	2402	-1.94	-45.38	<=-21.94	PASS
		High	2480	-0.76	-46.01	<=-20.76	PASS
		Low	Hop_2402	1.64	-45.23	<=-18.36	PASS
		High	Hop_2480	1.55	-44.01	<=-18.45	PASS
3DH5	Ant1	Low	2402	0.27	-46.12	<=-19.73	PASS
		High	2480	-1.63	-46.86	<=-21.63	PASS
		Low	Hop_2402	1.23	-45.26	<=-18.77	PASS
		High	Hop_2480	1.38	-45.13	<=-18.63	PASS

Test Graphs

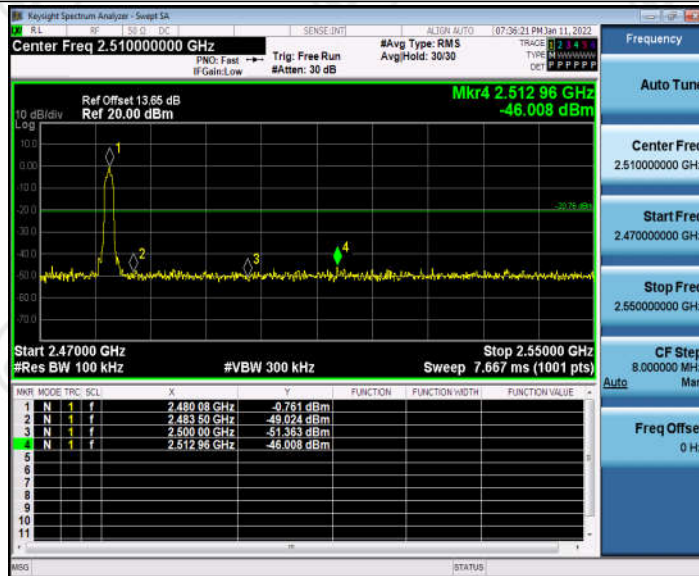


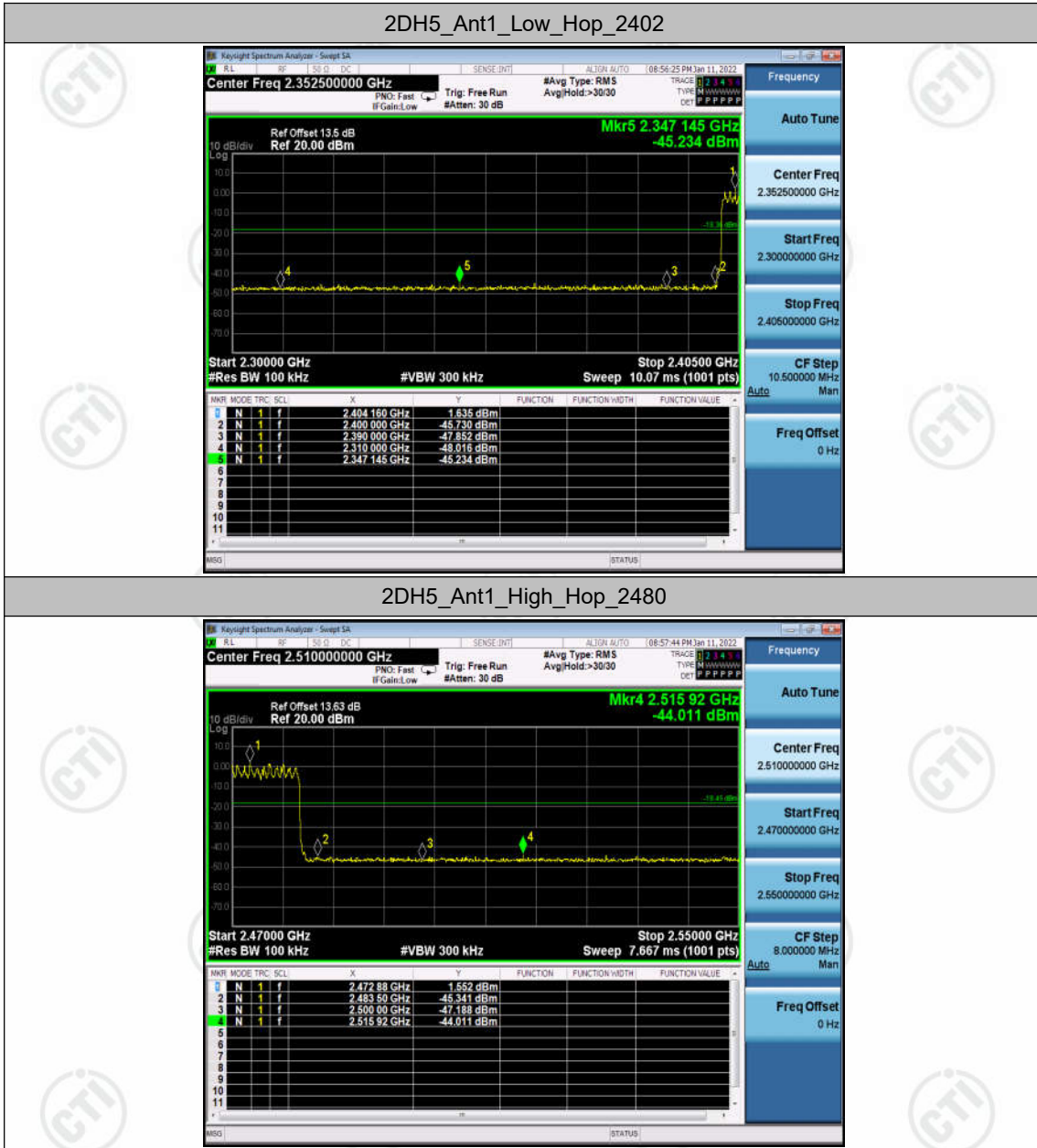


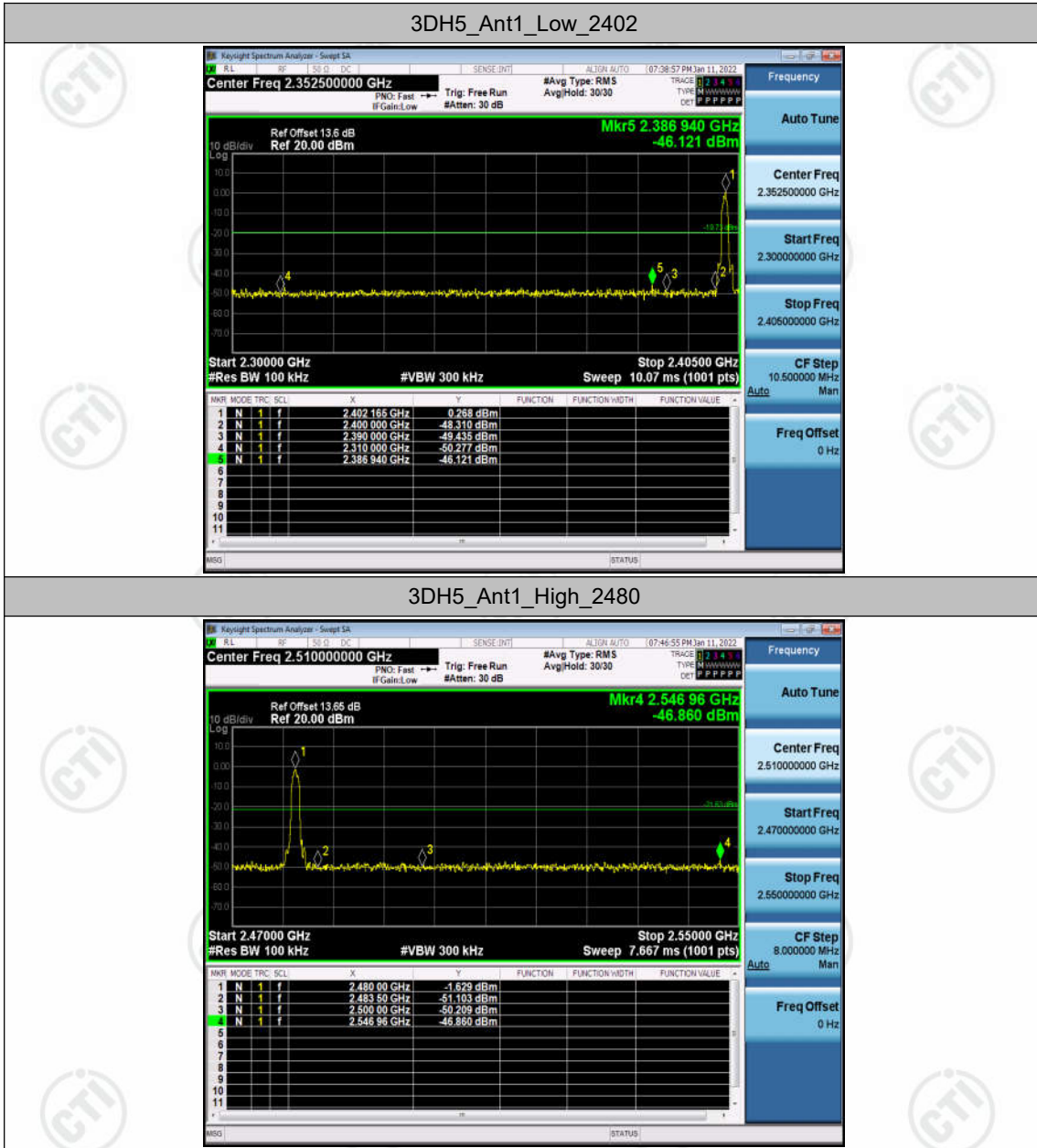
2DH5_Ant1_Low_2402

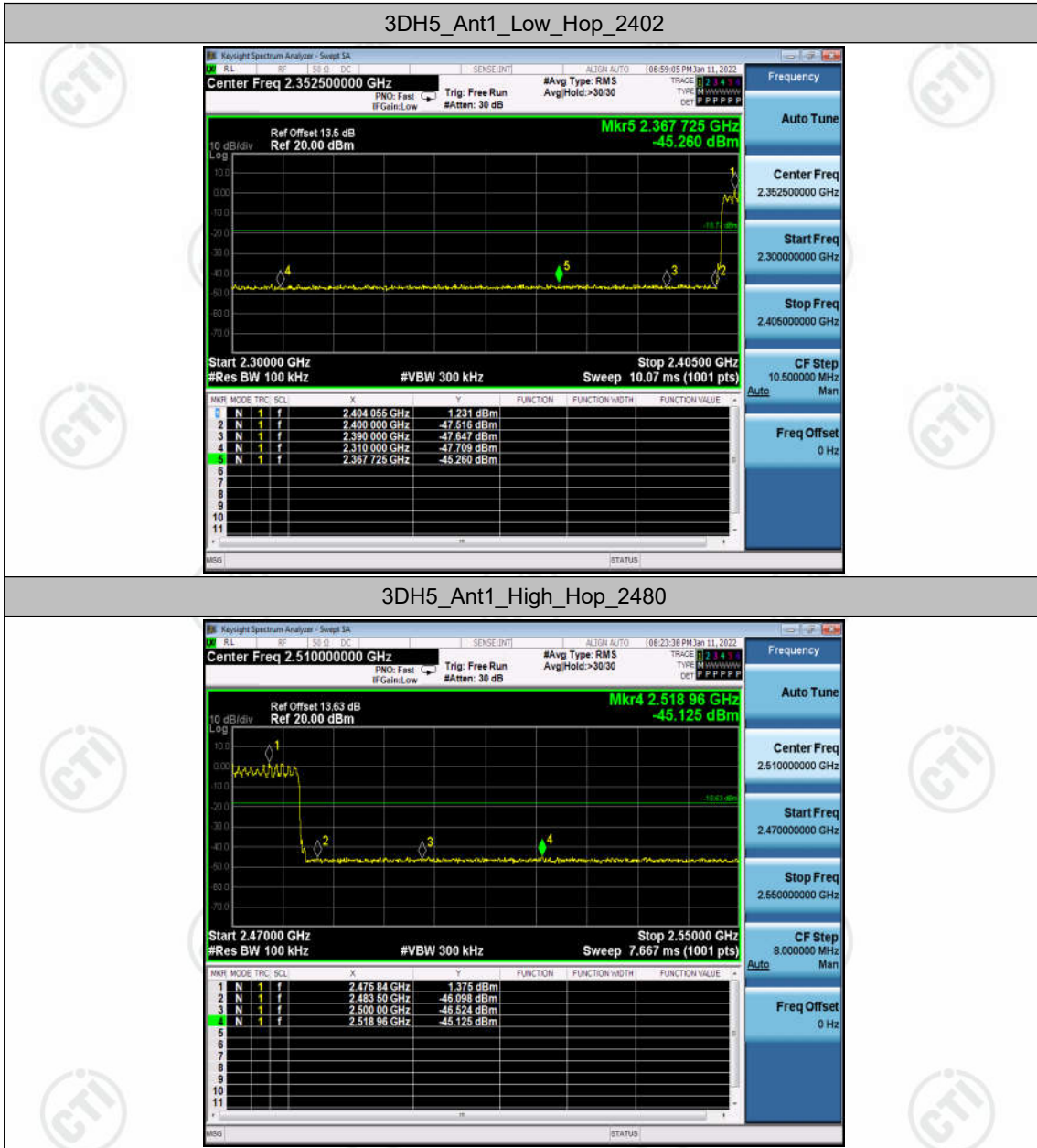


2DH5_Ant1_High_2480







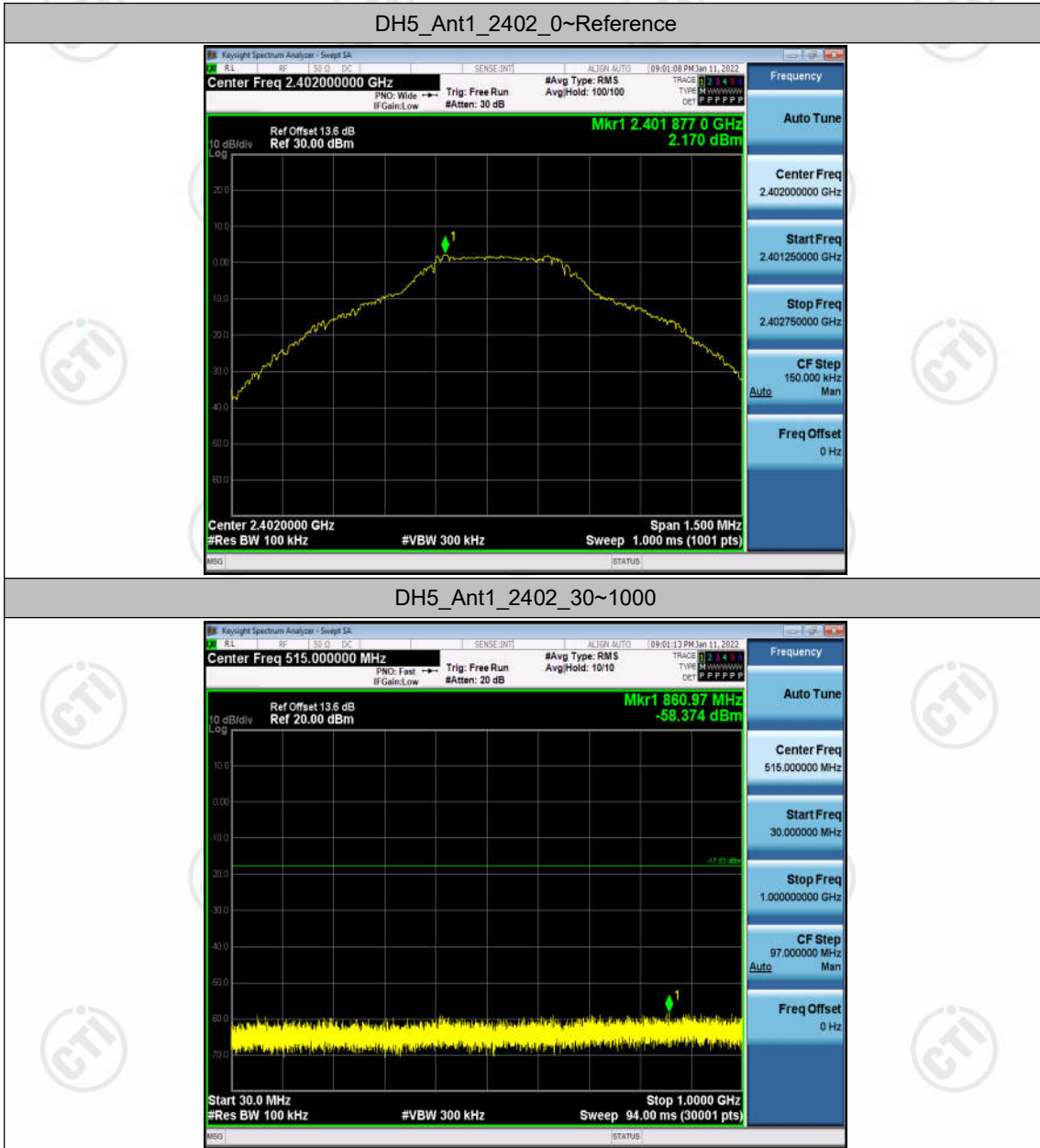


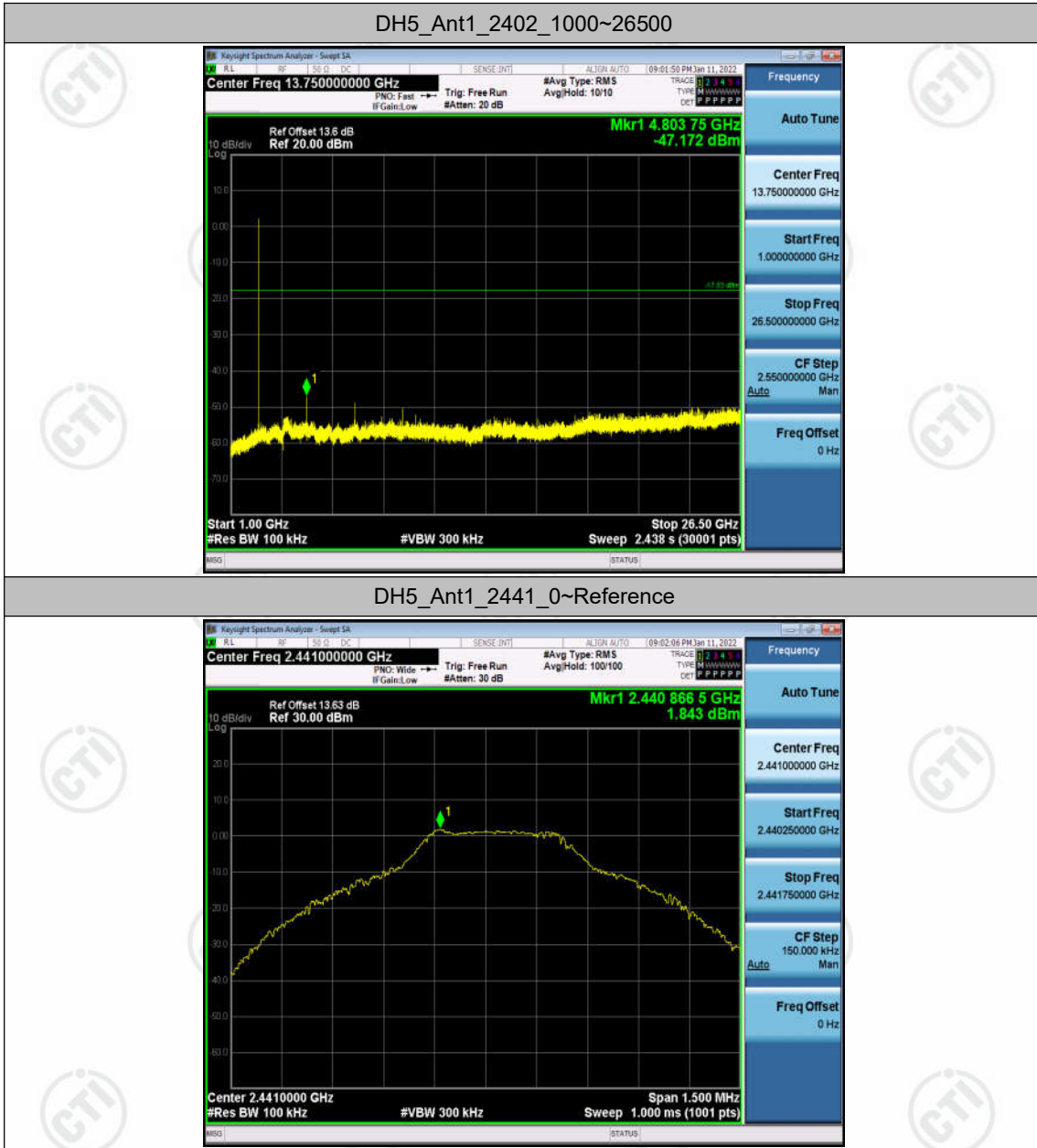
AppendixH:Conducted SpuriousEmission

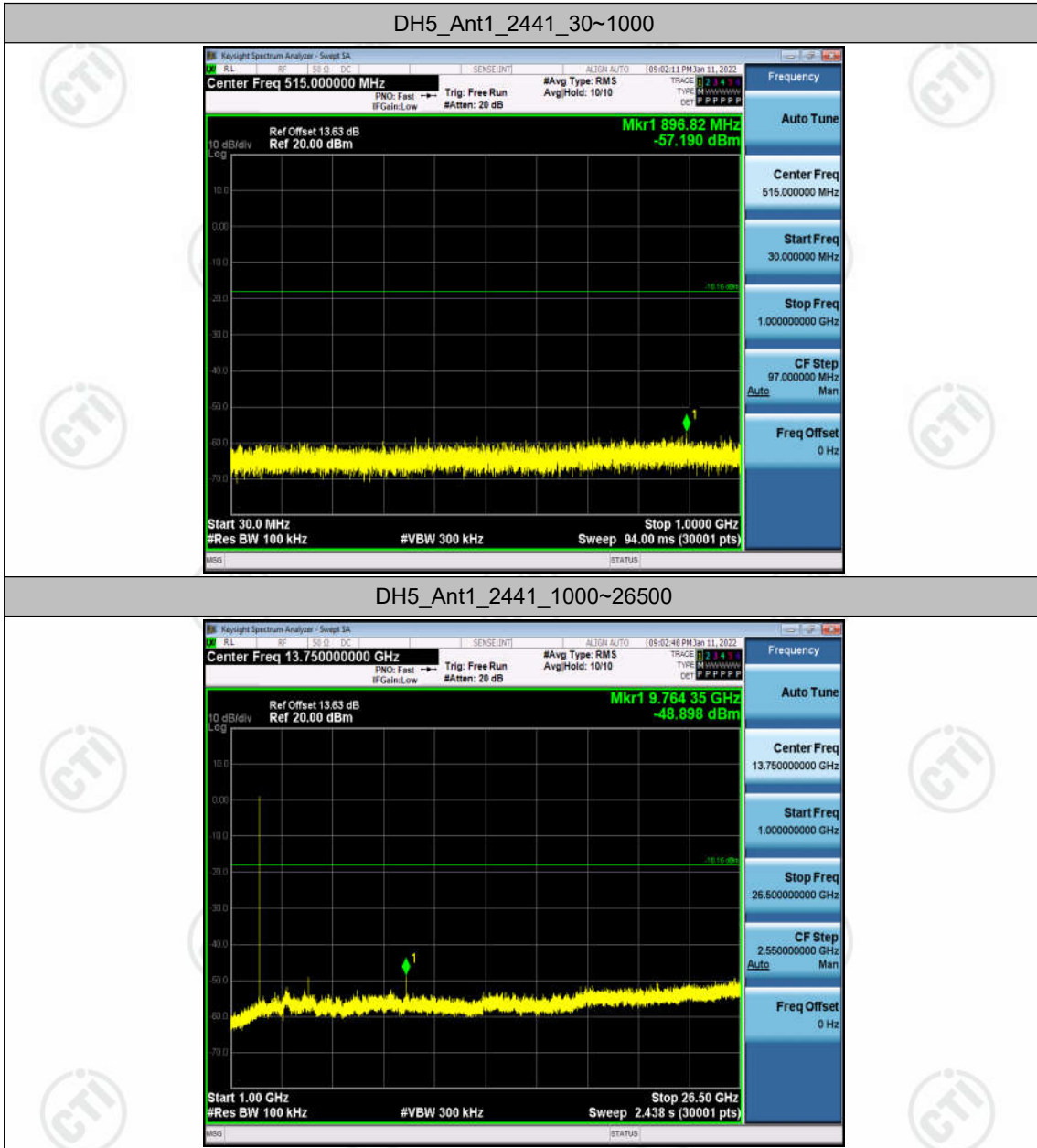
Test Result

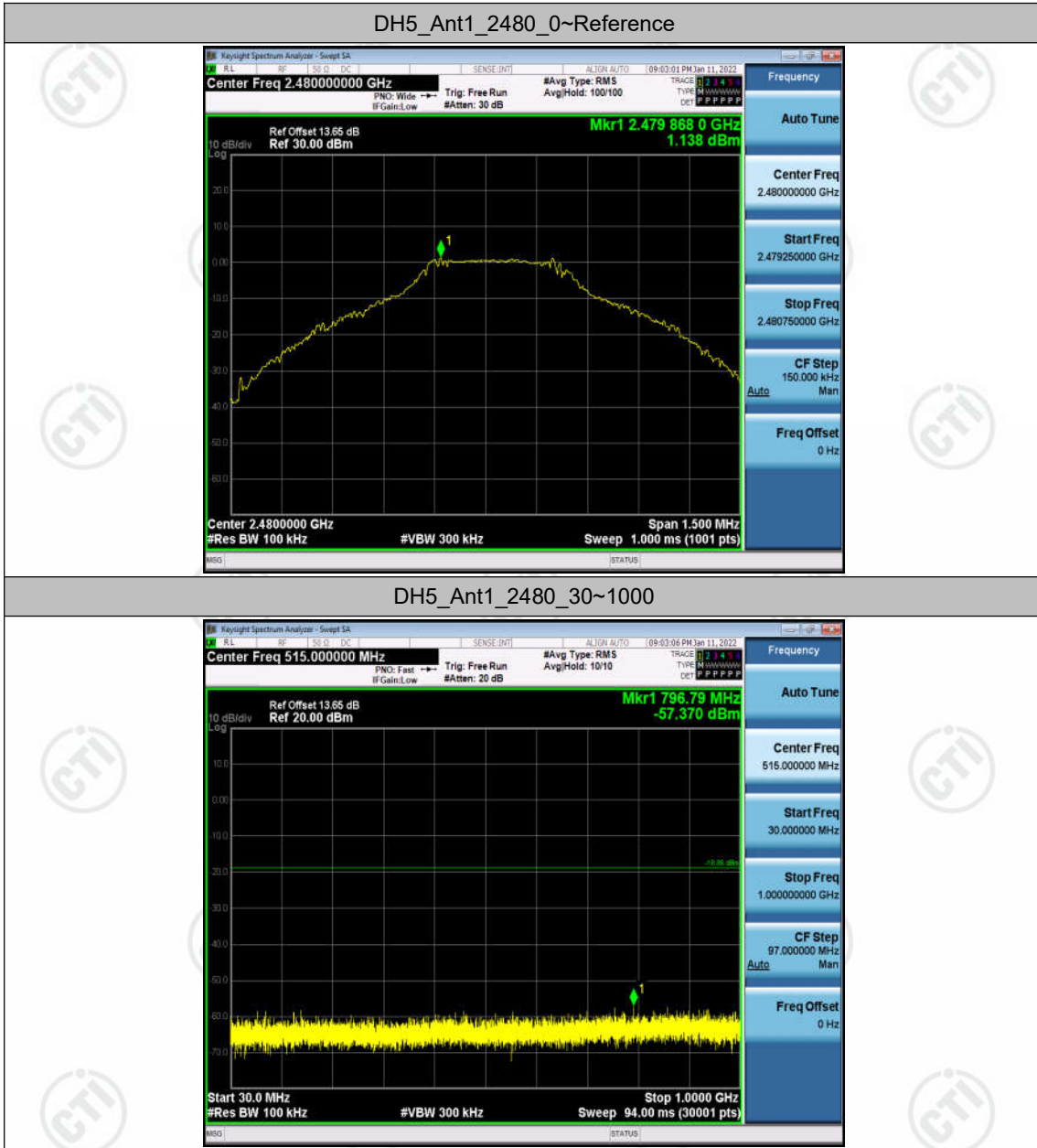
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	2.17	2.17	---	PASS
			30~1000	---	-58.374	<=-17.83	PASS
			1000~26500	---	-47.172	<=-17.83	PASS
		2441	Reference	1.84	1.84	---	PASS
			30~1000	---	-57.19	<=-18.157	PASS
			1000~26500	---	-48.898	<=-18.157	PASS
		2480	Reference	1.14	1.14	---	PASS
			30~1000	---	-57.37	<=-18.862	PASS
			1000~26500	---	-49.313	<=-18.862	PASS
2DH5	Ant1	2402	Reference	1.11	1.11	---	PASS
			30~1000	---	-57.692	<=-18.889	PASS
			1000~26500	---	-49.823	<=-18.889	PASS
		2441	Reference	1.90	1.90	---	PASS
			30~1000	---	-58.302	<=-18.098	PASS
			1000~26500	---	-47.872	<=-18.098	PASS
		2480	Reference	0.37	0.37	---	PASS
			30~1000	---	-58.032	<=-19.629	PASS
			1000~26500	---	-45.826	<=-19.629	PASS
3DH5	Ant1	2402	Reference	1.18	1.18	---	PASS
			30~1000	---	-57.884	<=-18.818	PASS
			1000~26500	---	-49.594	<=-18.818	PASS
		2441	Reference	1.63	1.63	---	PASS
			30~1000	---	-57.625	<=-18.367	PASS
			1000~26500	---	-48.129	<=-18.367	PASS
		2480	Reference	1.18	1.18	---	PASS
			30~1000	---	-57.679	<=-18.821	PASS
			1000~26500	---	-49.845	<=-18.821	PASS

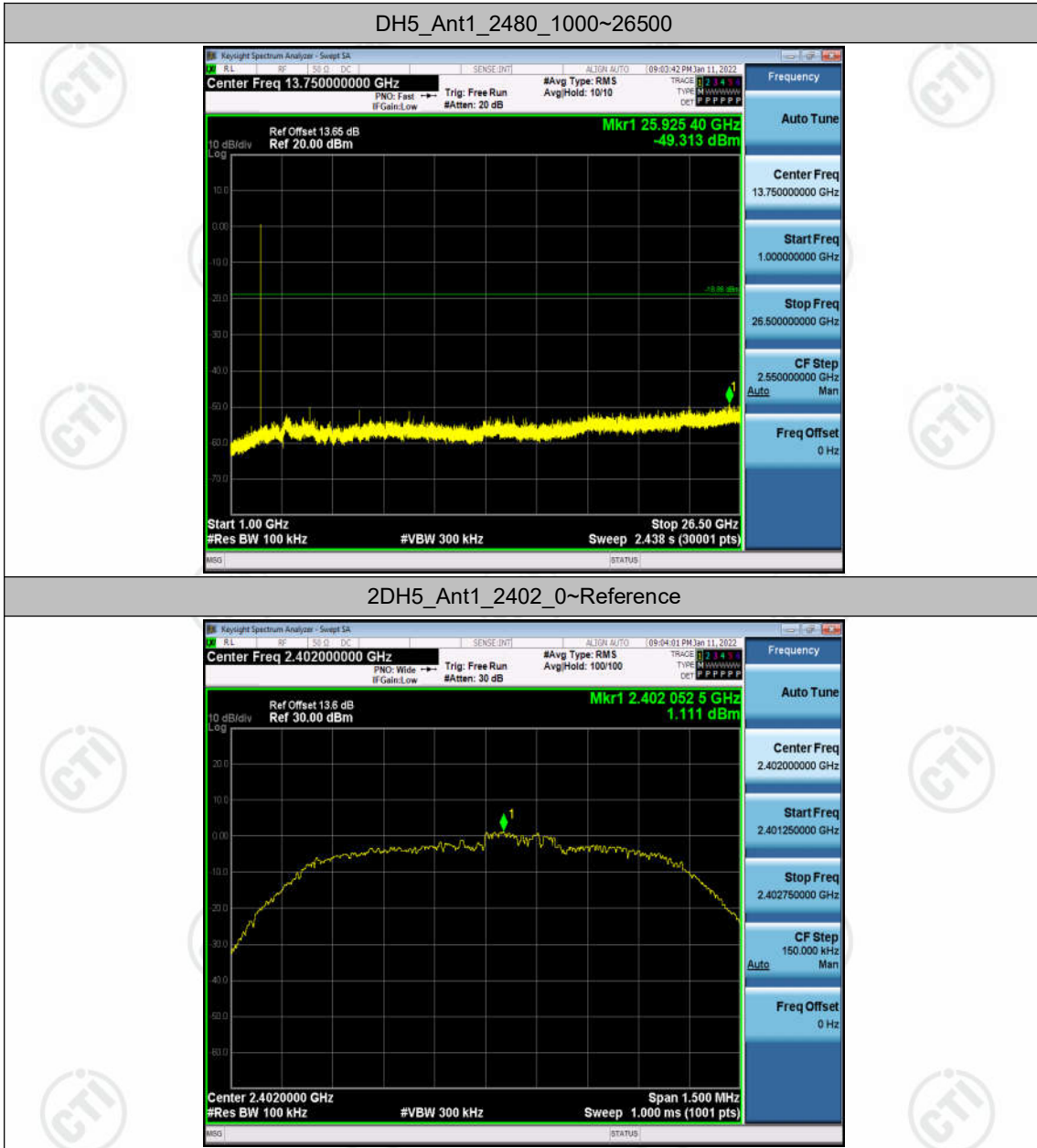
Test Graphs

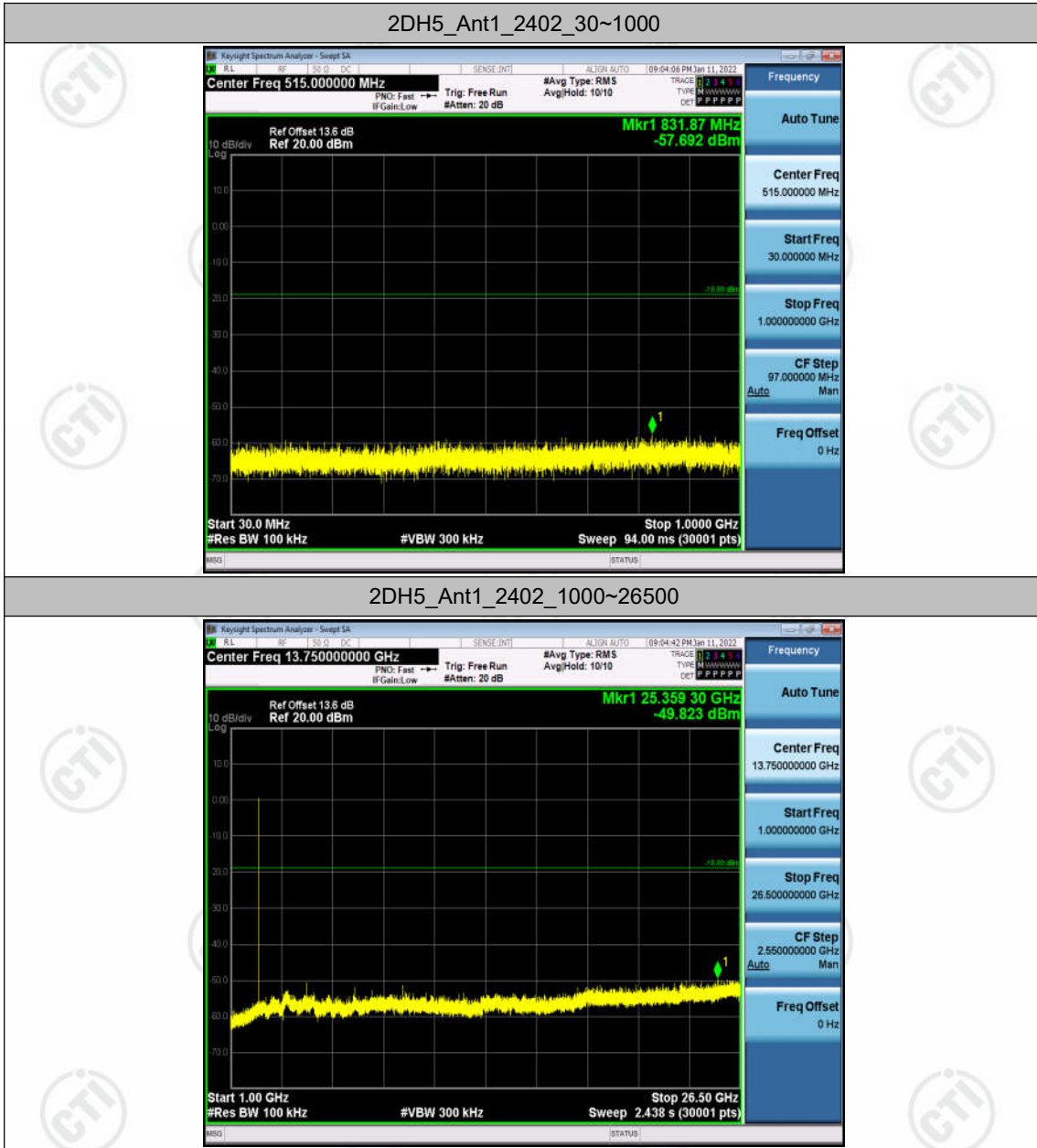


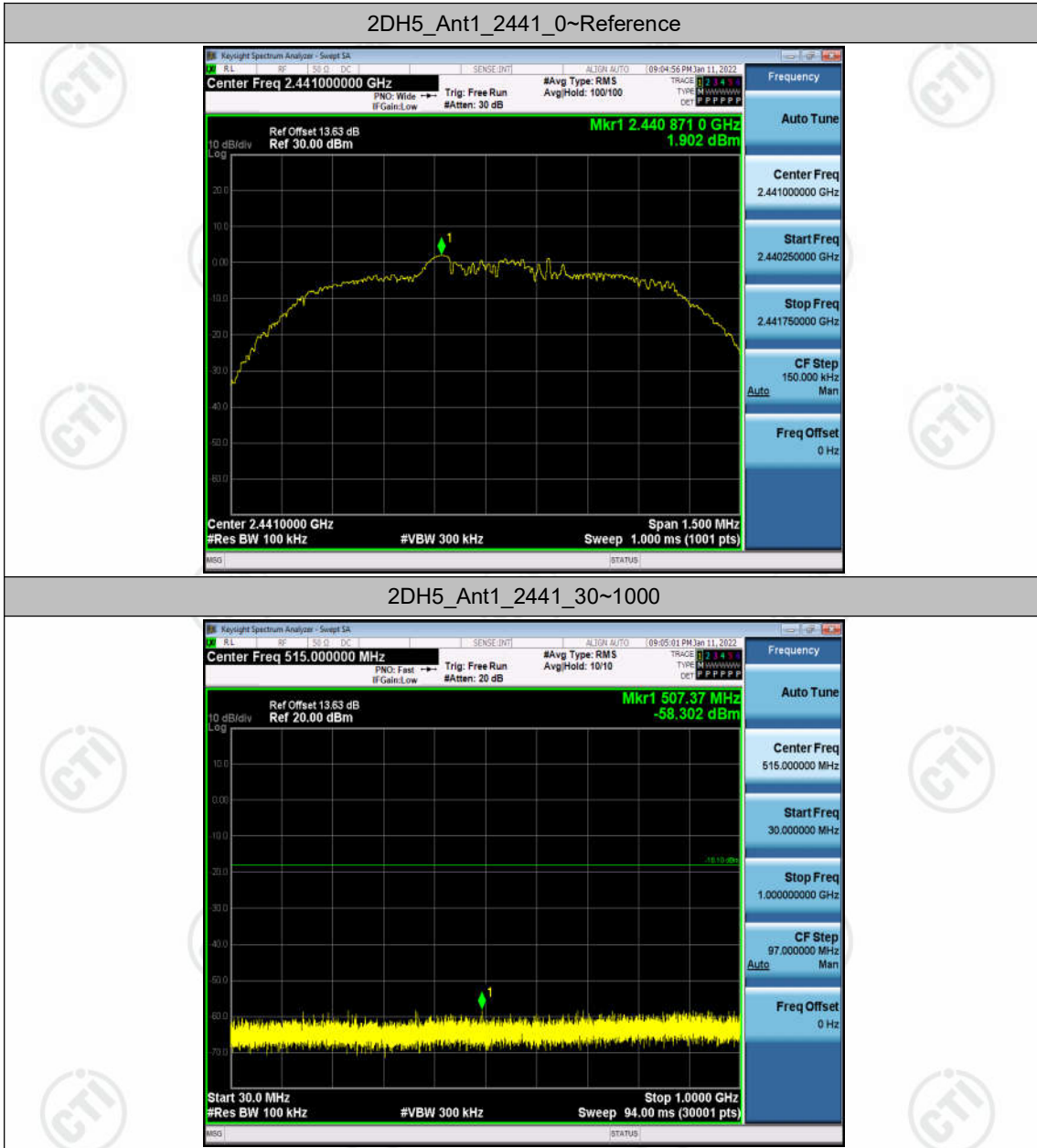


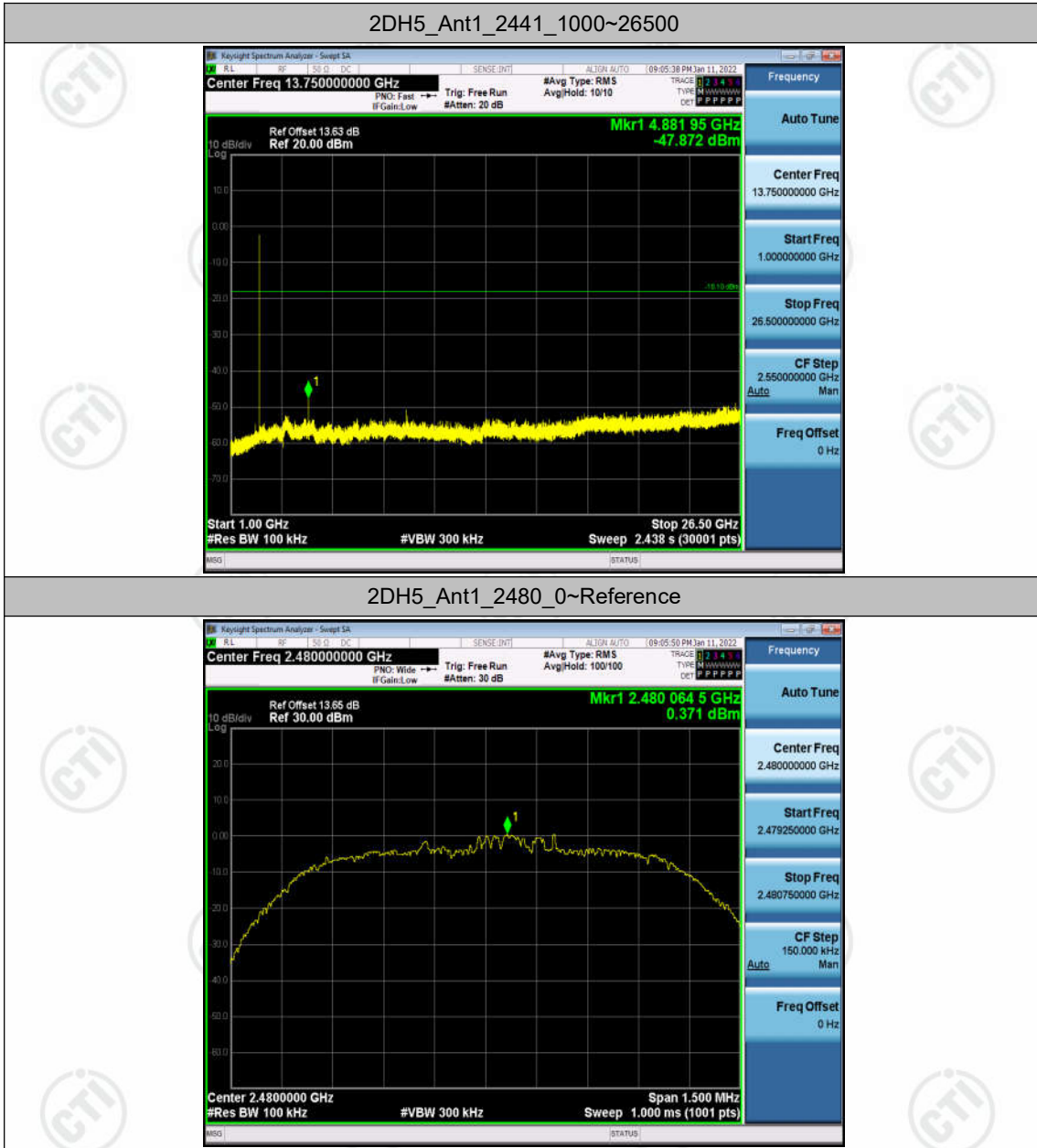


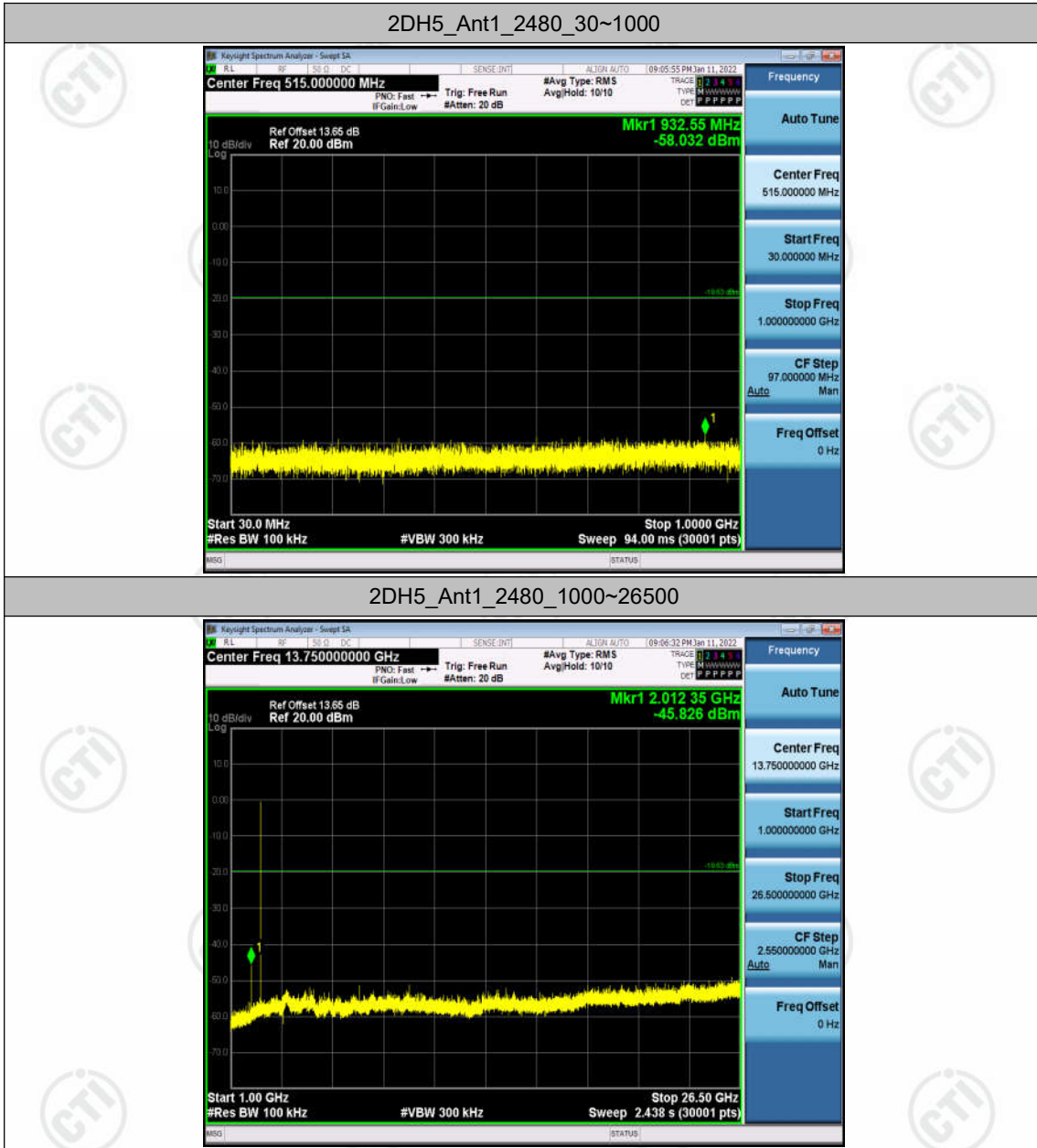


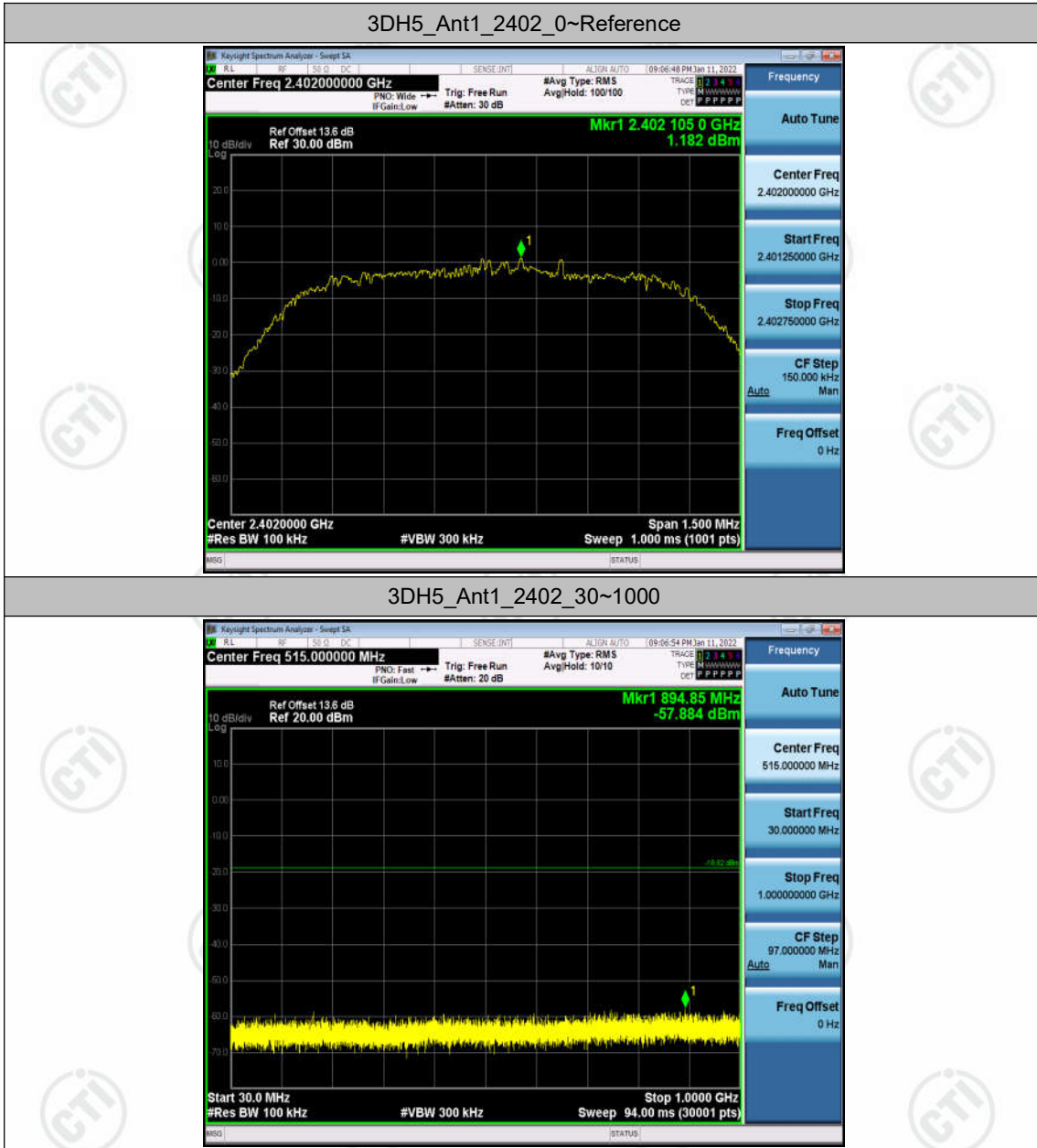


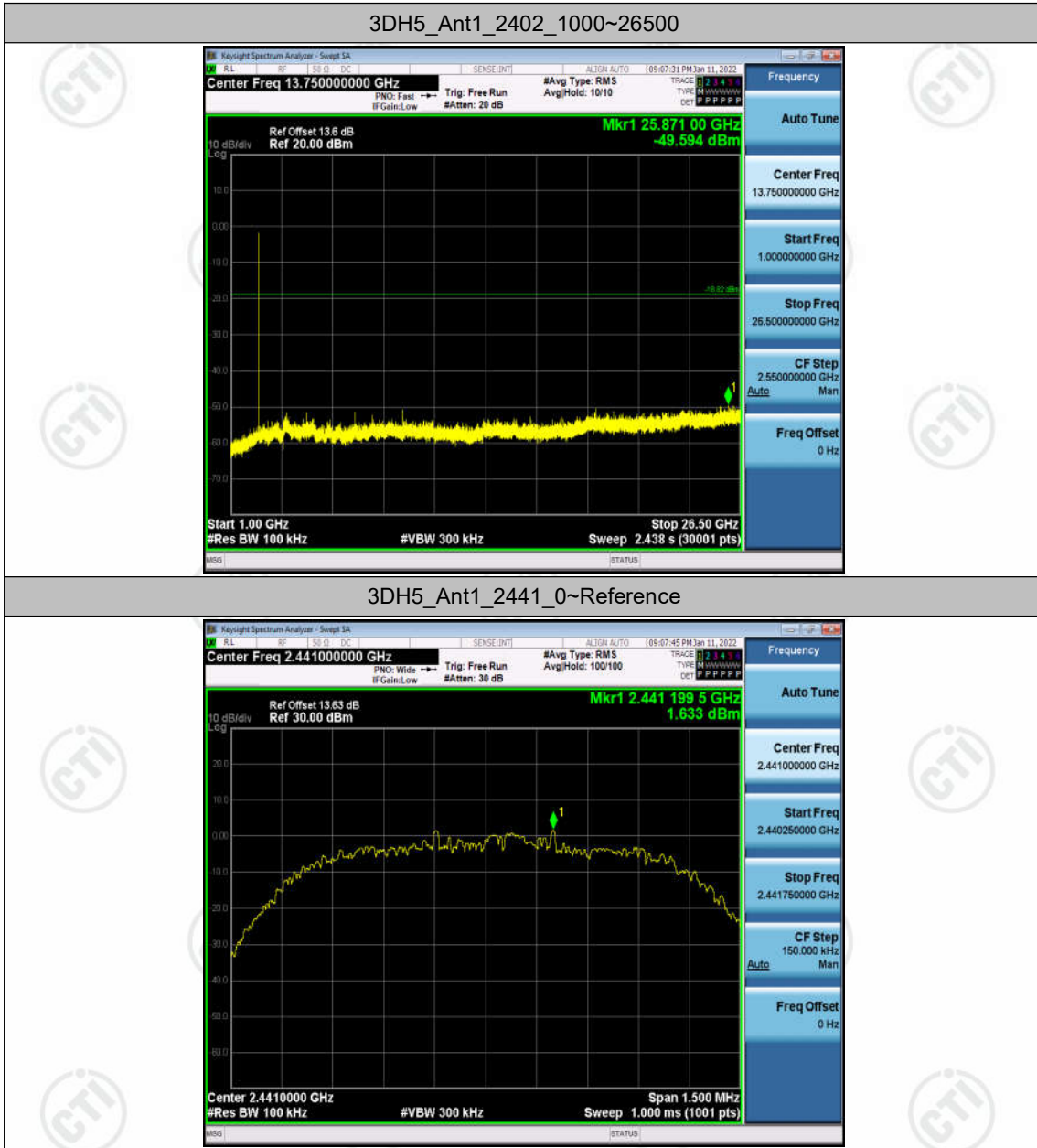


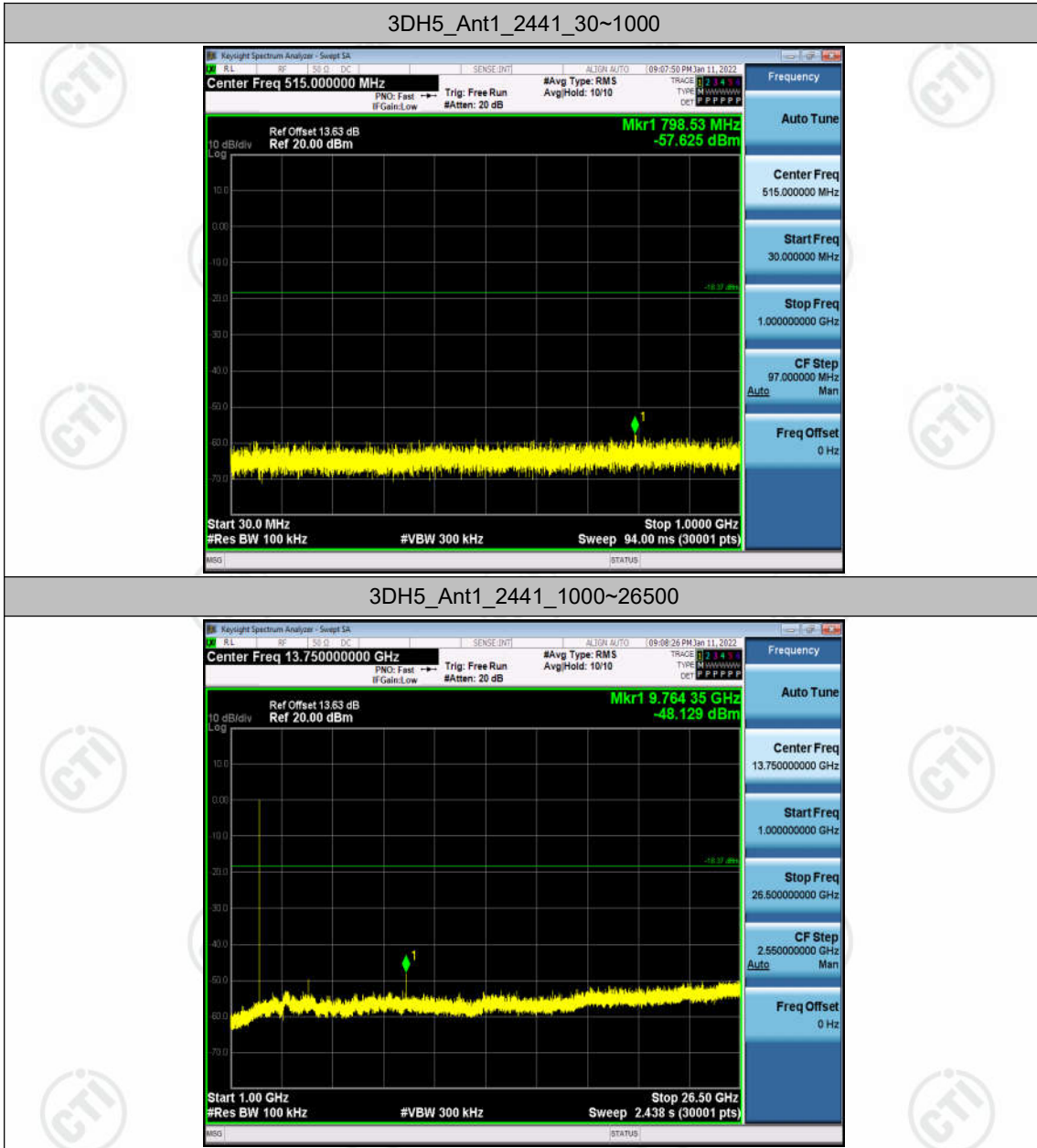


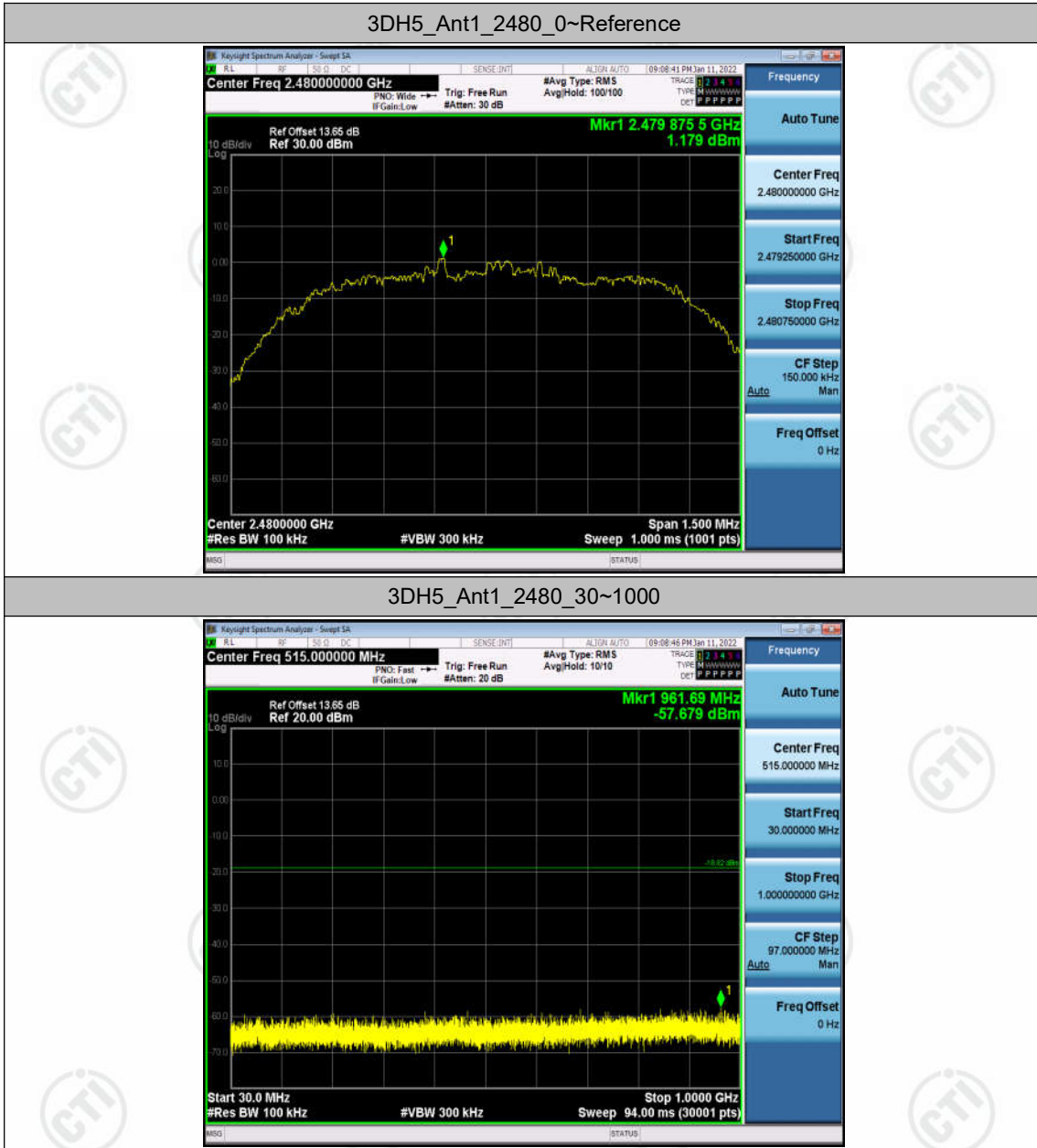


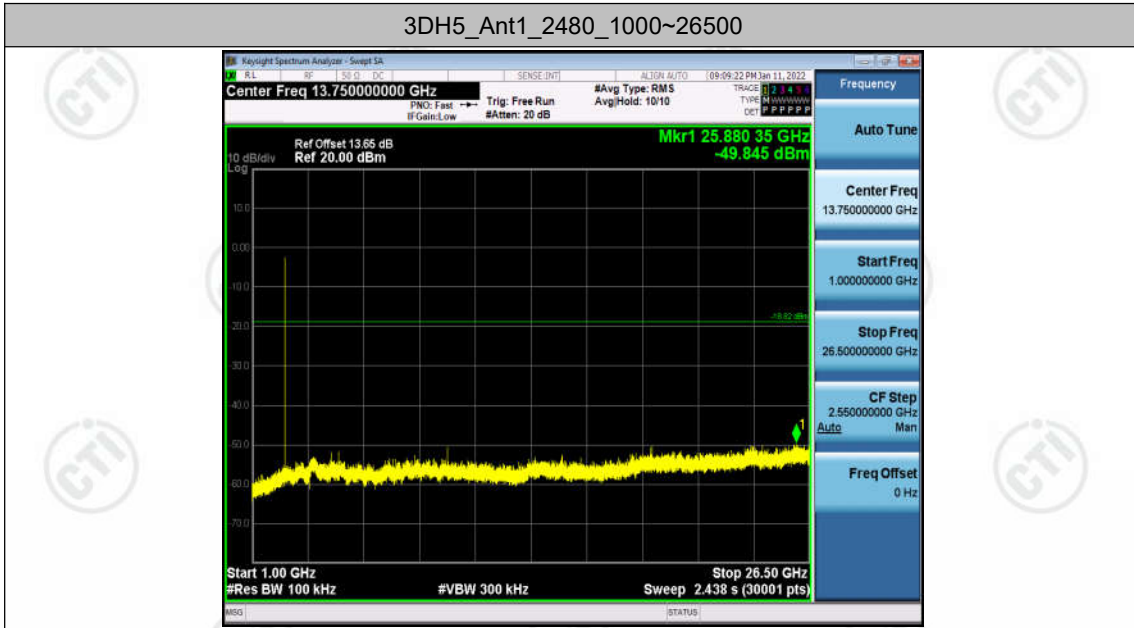








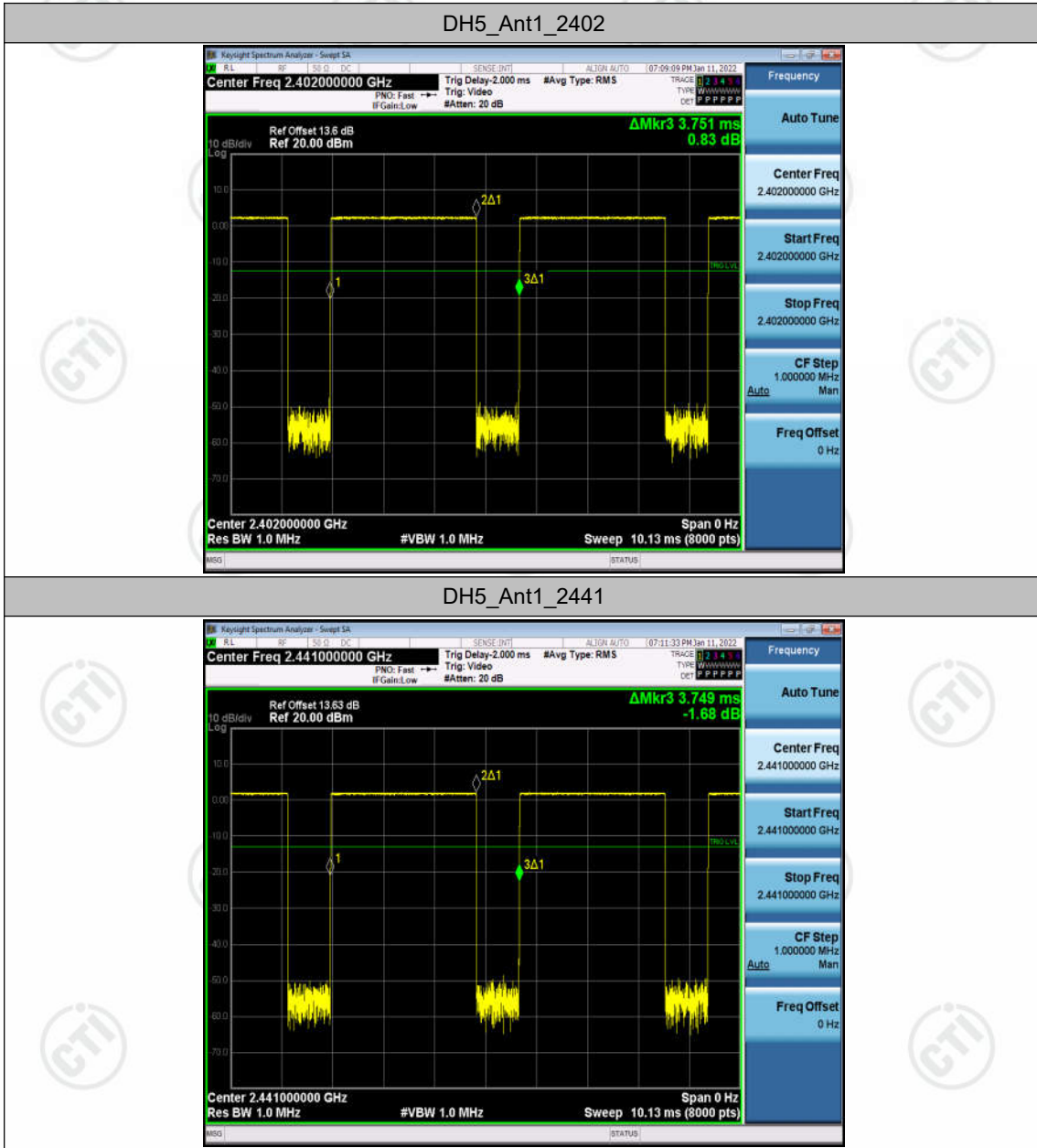


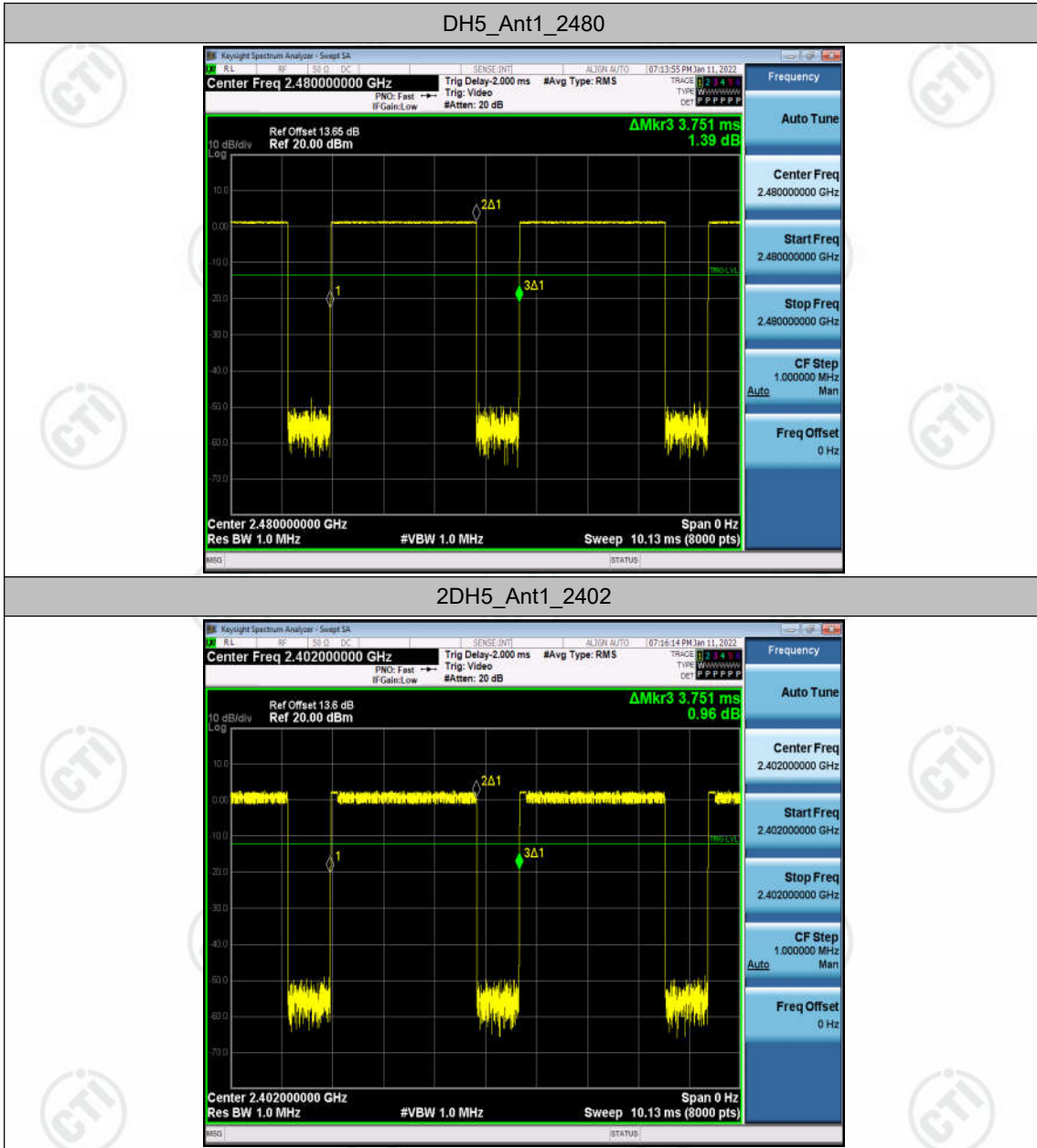


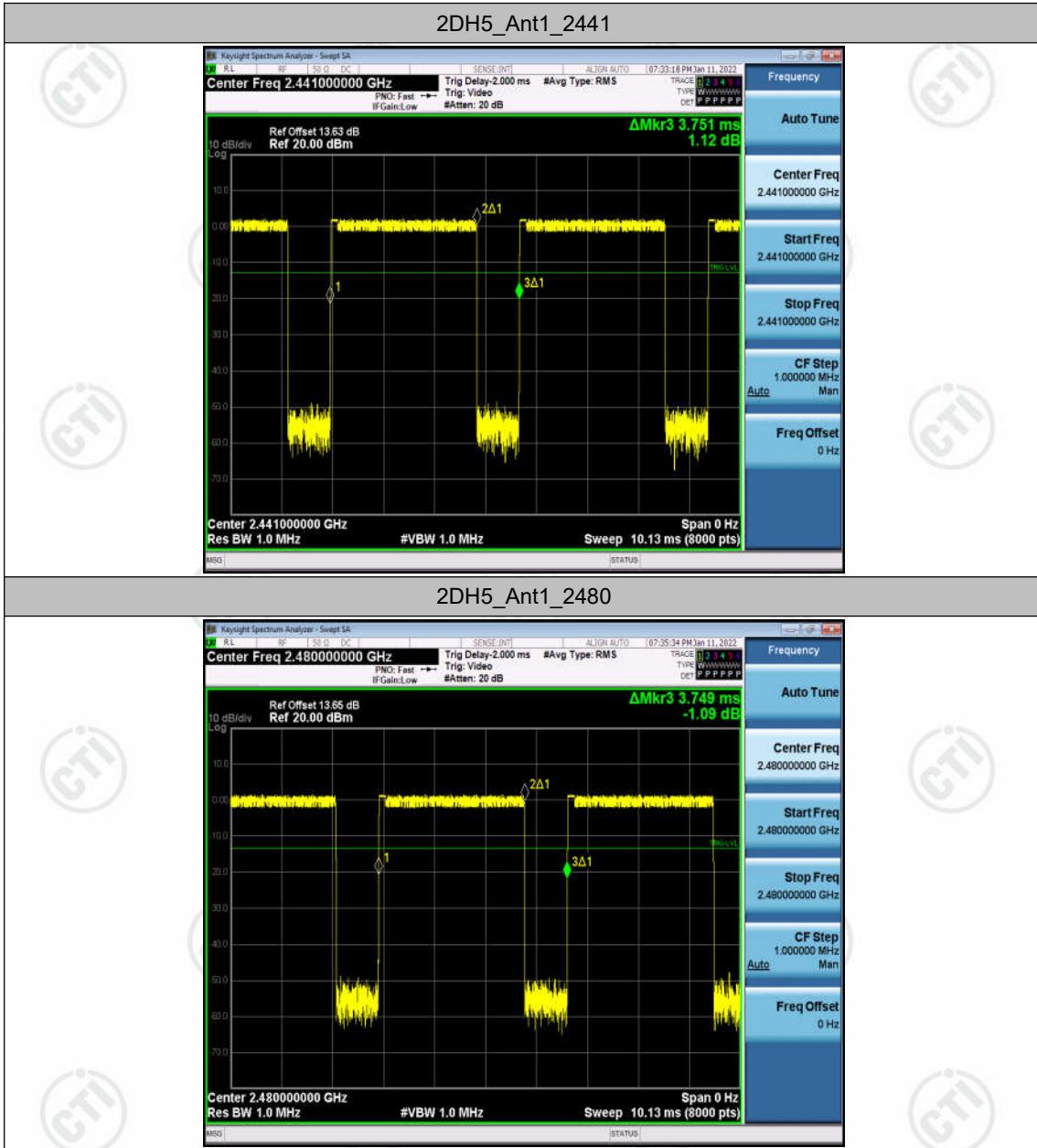
AppendixI: DutyCycle**Test Result**

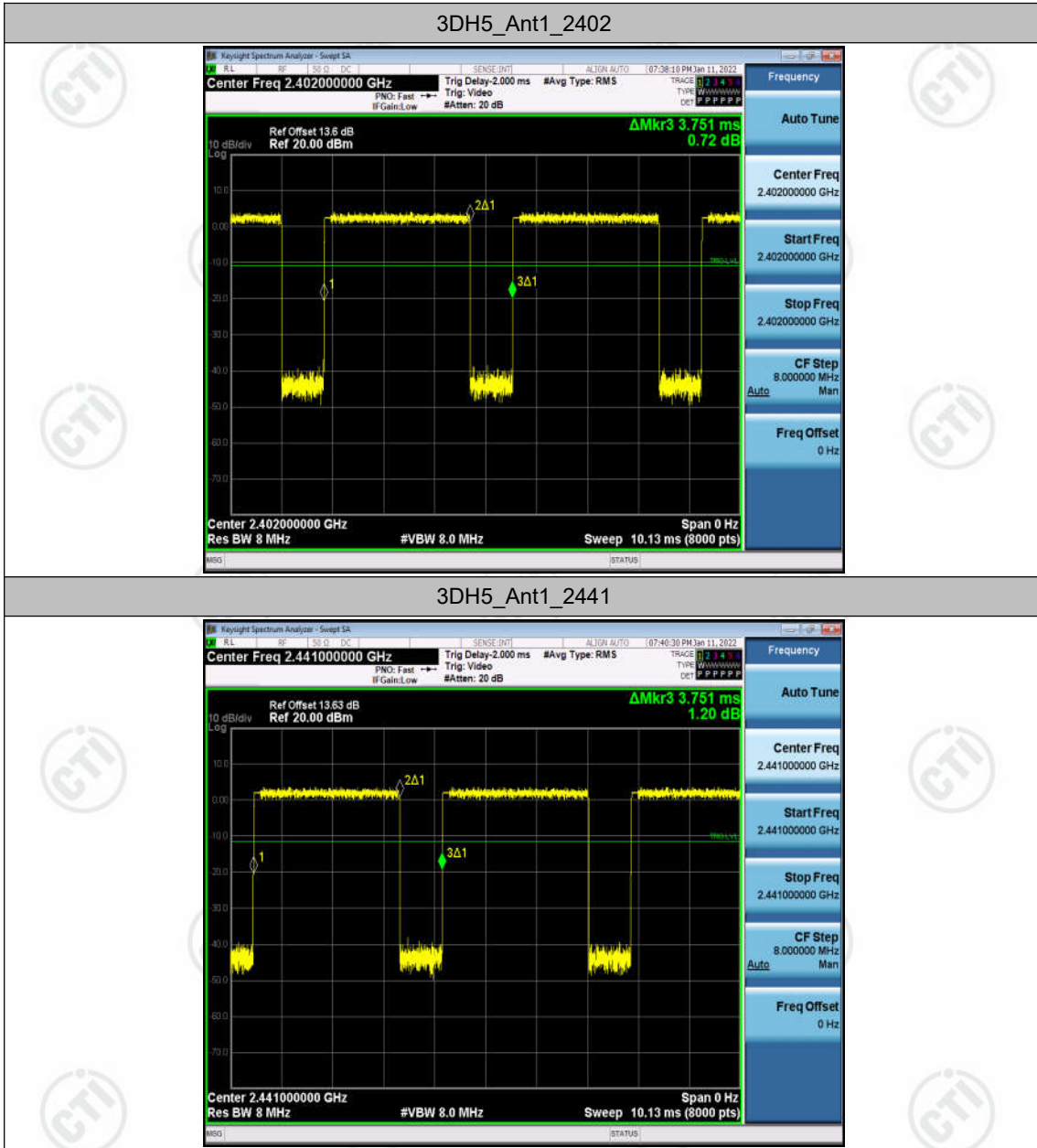
TestMode	Antenna	Channel	TransmissionDuration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
DH5	Ant1	2402	2.90	3.75	77.30	---	PASS
		2441	2.90	3.75	77.33	---	PASS
		2480	2.90	3.75	77.30	---	PASS
2DH5	Ant1	2402	2.90	3.75	77.44	---	PASS
		2441	2.91	3.75	77.47	---	PASS
		2480	2.90	3.75	77.47	---	PASS
3DH5	Ant1	2402	2.91	3.75	77.54	---	PASS
		2441	2.91	3.75	77.54	---	PASS
		2480	2.91	3.75	77.57	---	PASS

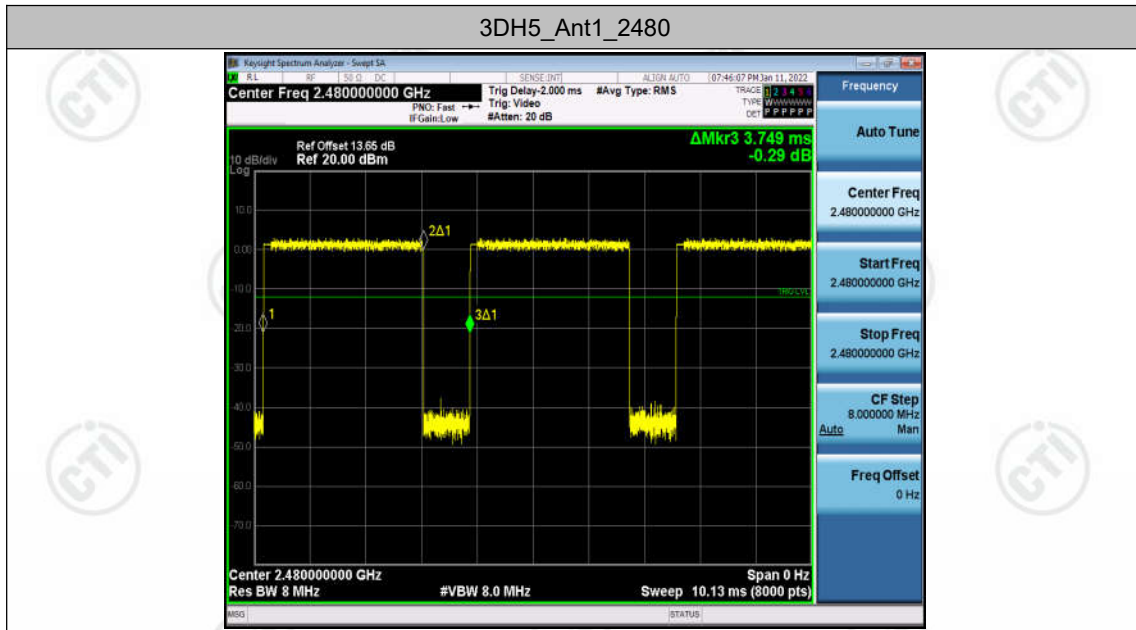
Test Graphs











*** End of Report ***