

Appendix: Bluetooth Classic

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Appendix A: 20dBEmission Bandwidth

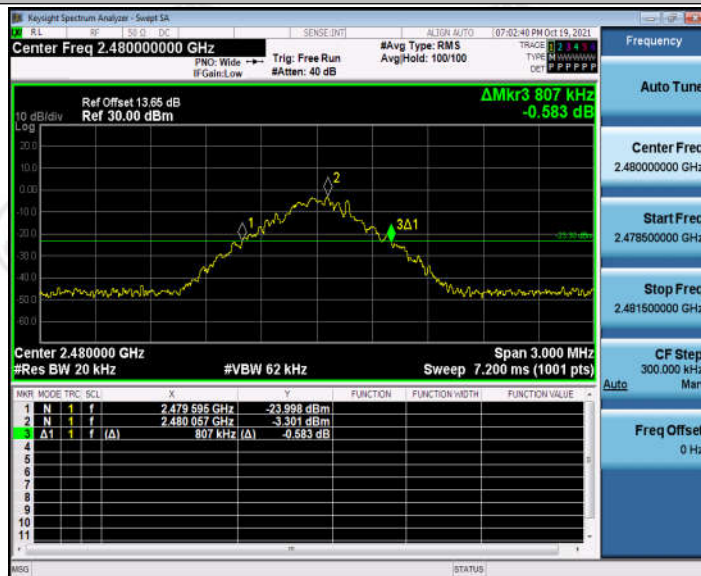
Test Result

Test Mode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.804	2401.595	2402.399	---	PASS
		2441	0.804	2440.598	2441.402	---	PASS
		2480	0.807	2479.595	2480.402	---	PASS
2DH5	Ant1	2402	1.266	2401.367	2402.633	---	PASS
		2441	1.230	2440.385	2441.615	---	PASS
		2480	1.242	2479.376	2480.618	---	PASS
3DH5	Ant1	2402	1.260	2401.355	2402.615	---	PASS
		2441	1.260	2440.355	2441.615	---	PASS
		2480	1.251	2479.358	2480.609	---	PASS

Test Graphs



DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



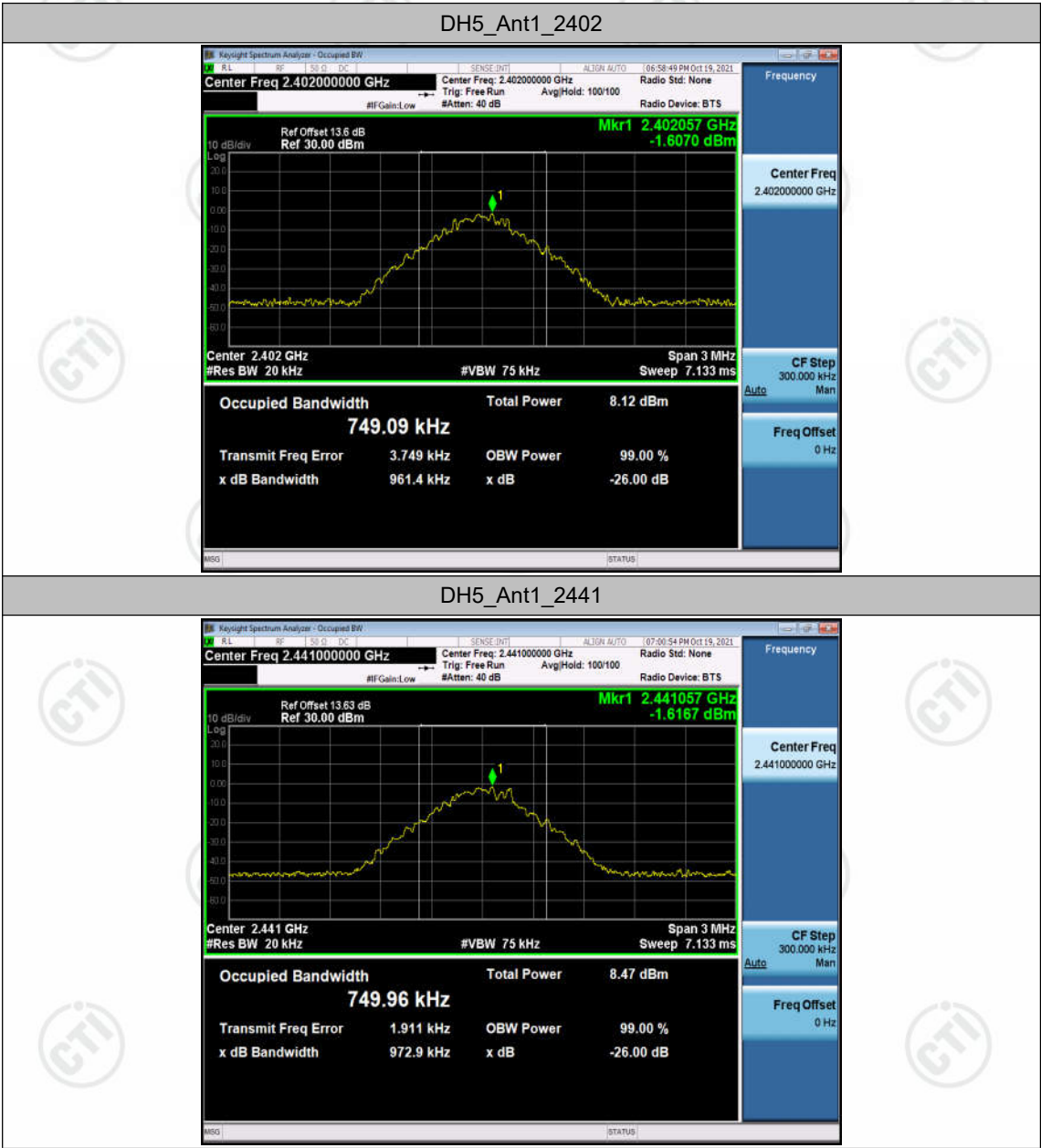


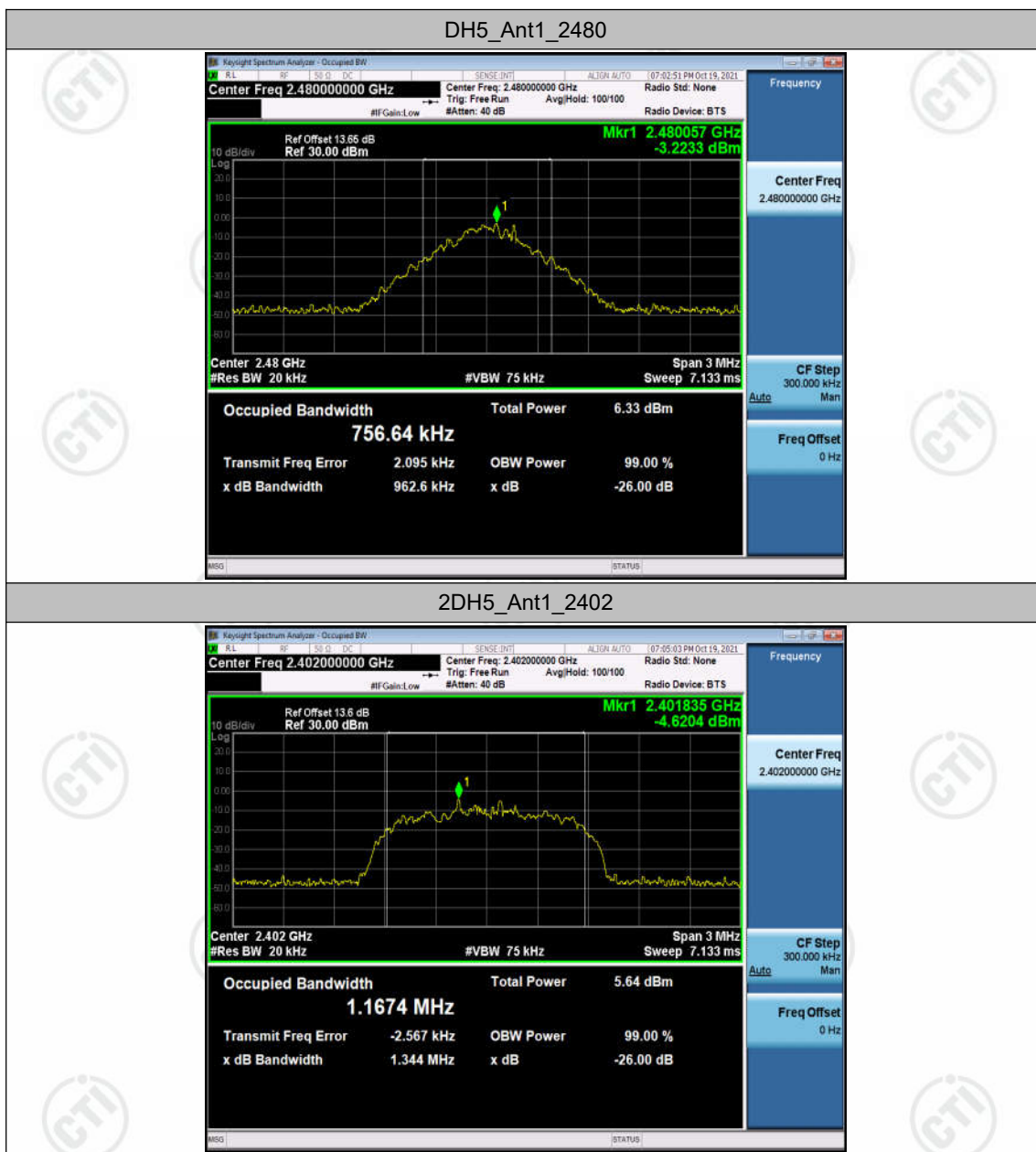
Appendix B: Occupied Channel Bandwidth

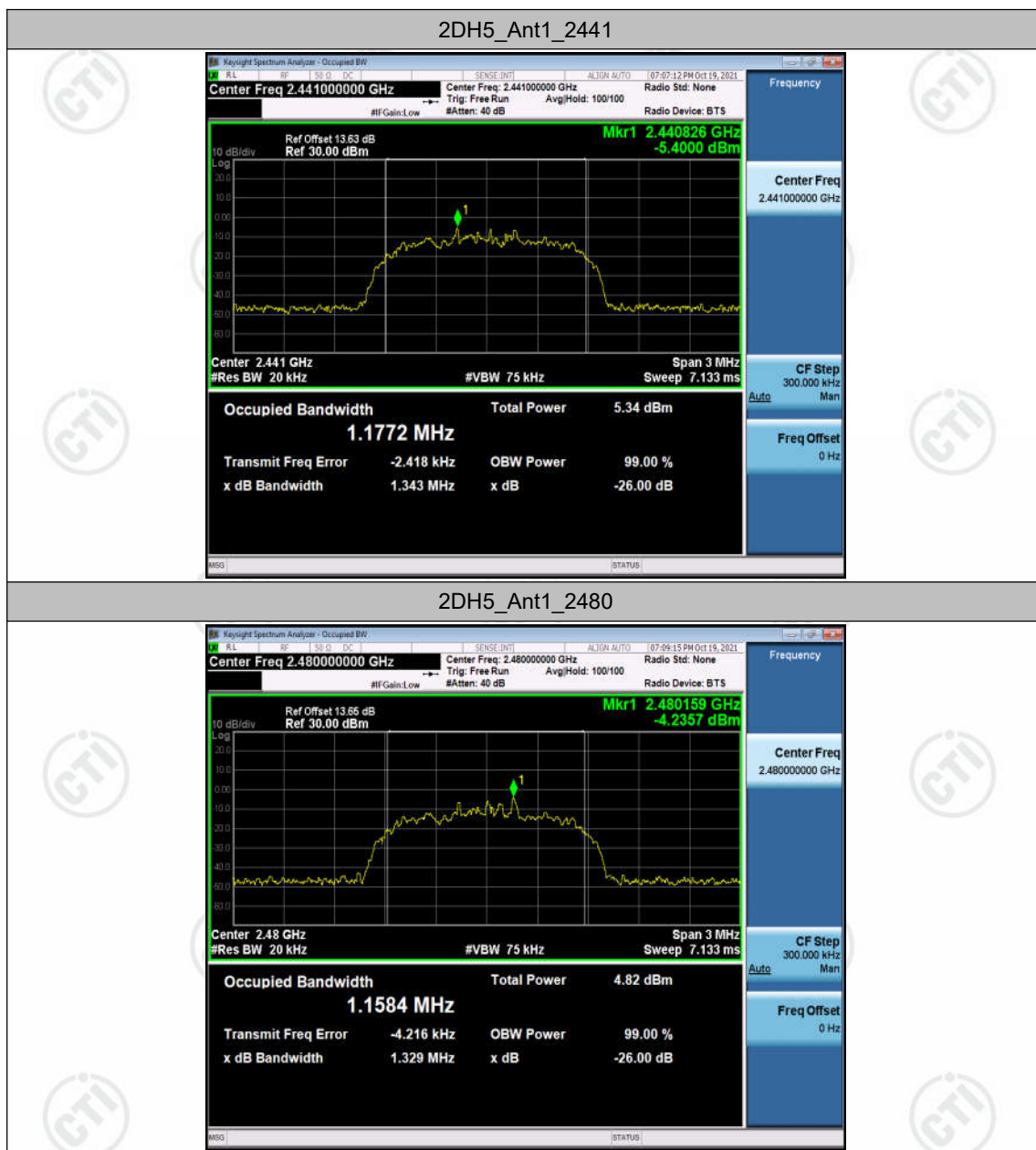
Test Result

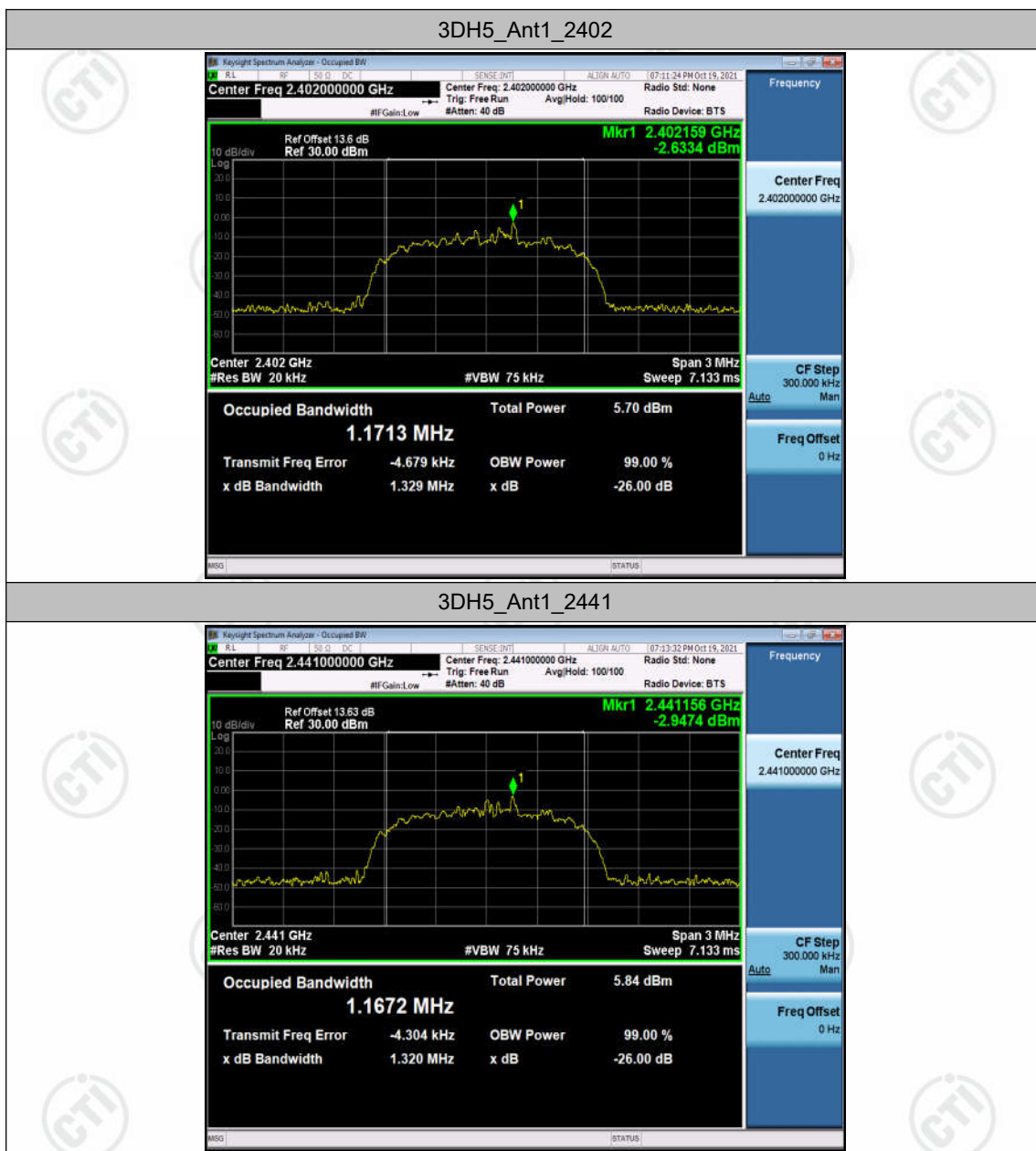
Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.74909	2401.629	2402.378	---	PASS
		2441	0.74996	2440.627	2441.377	---	PASS
		2480	0.75664	2479.624	2480.380	---	PASS
2DH5	Ant1	2402	1.1674	2401.414	2402.581	---	PASS
		2441	1.1772	2440.409	2441.586	---	PASS
		2480	1.1584	2479.417	2480.575	---	PASS
3DH5	Ant1	2402	1.1713	2401.410	2402.581	---	PASS
		2441	1.1672	2440.412	2441.579	---	PASS
		2480	1.1699	2479.408	2480.578	---	PASS

Test Graphs









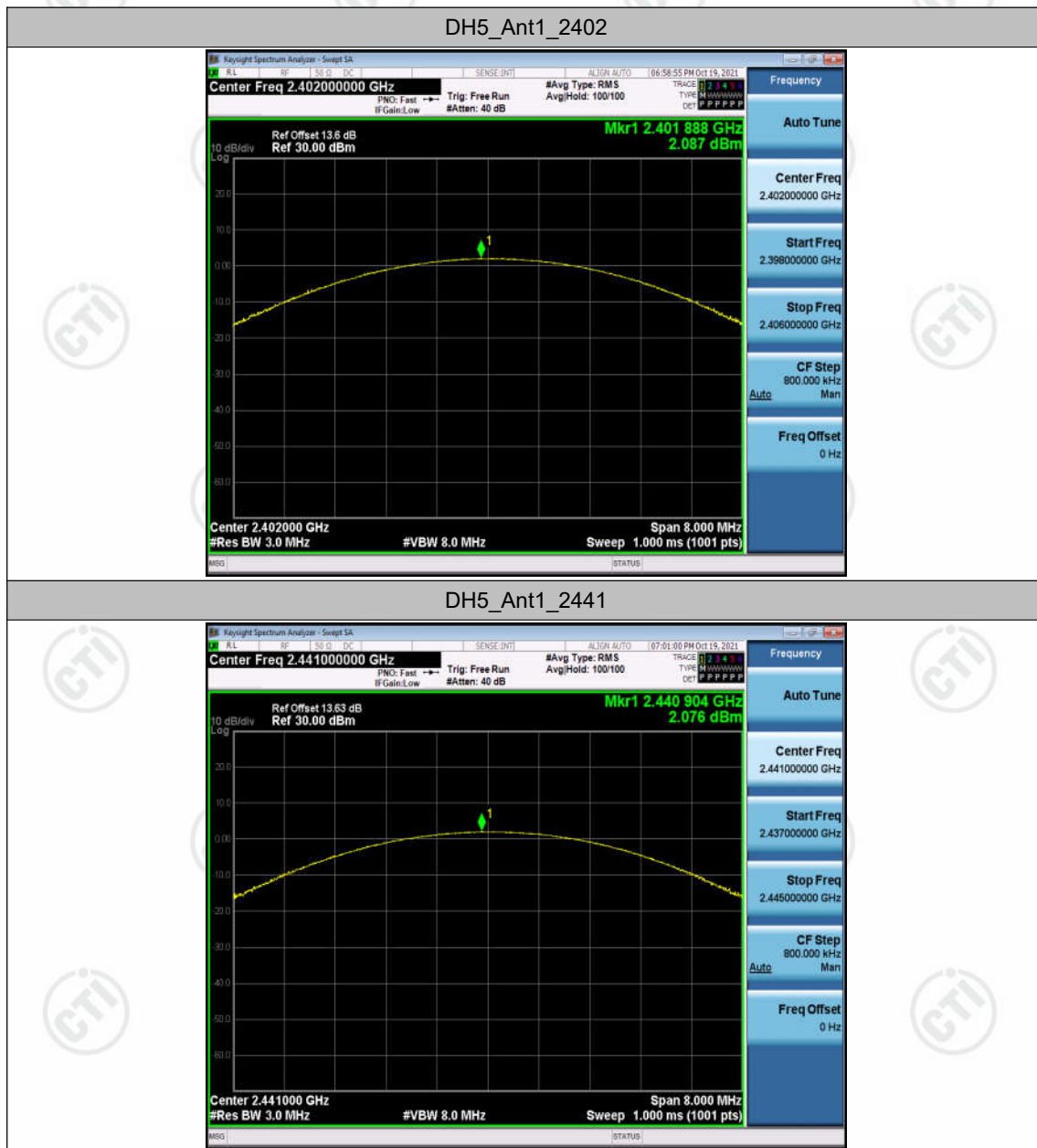


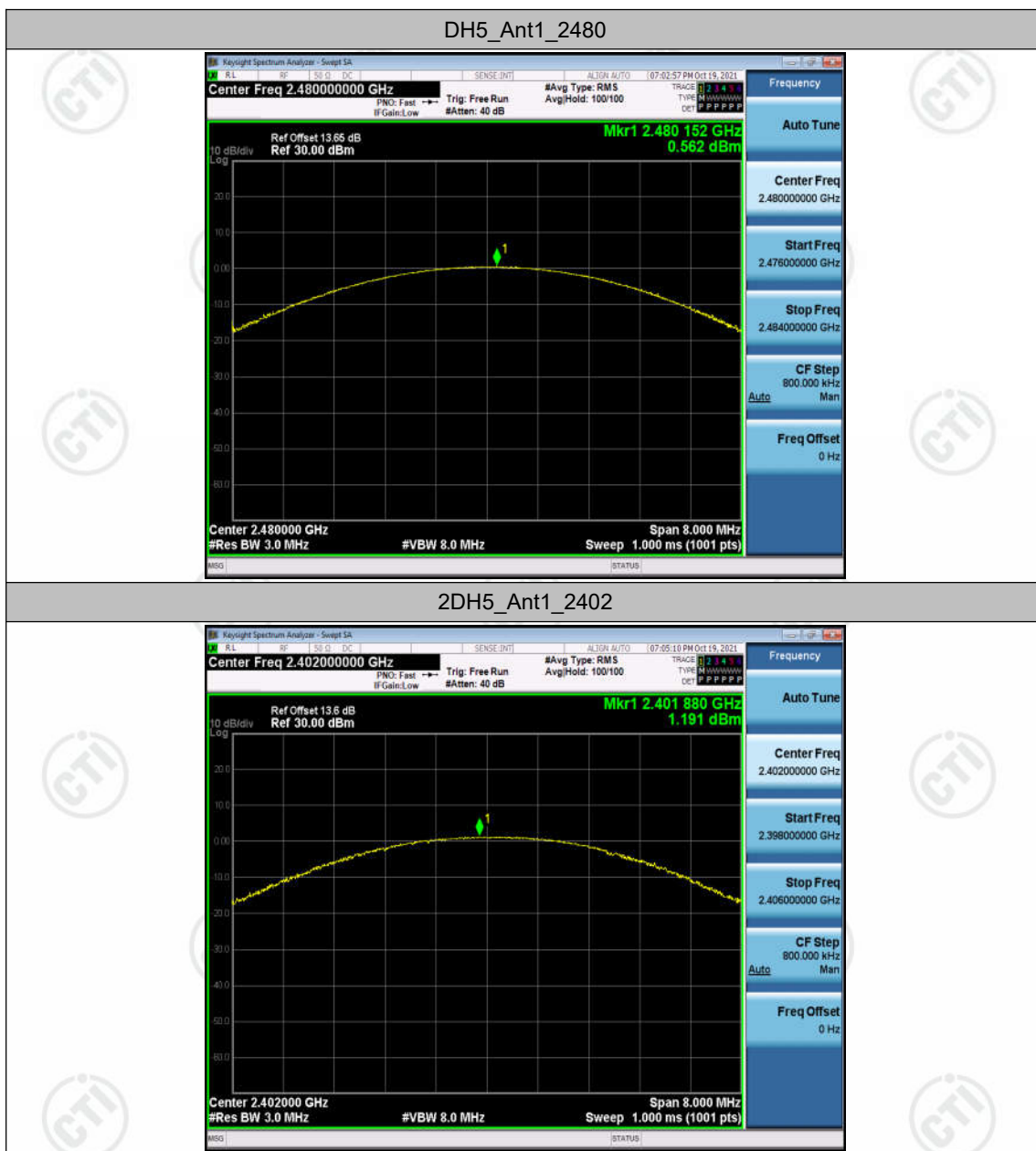
Appendix C: Maximum conducted output power

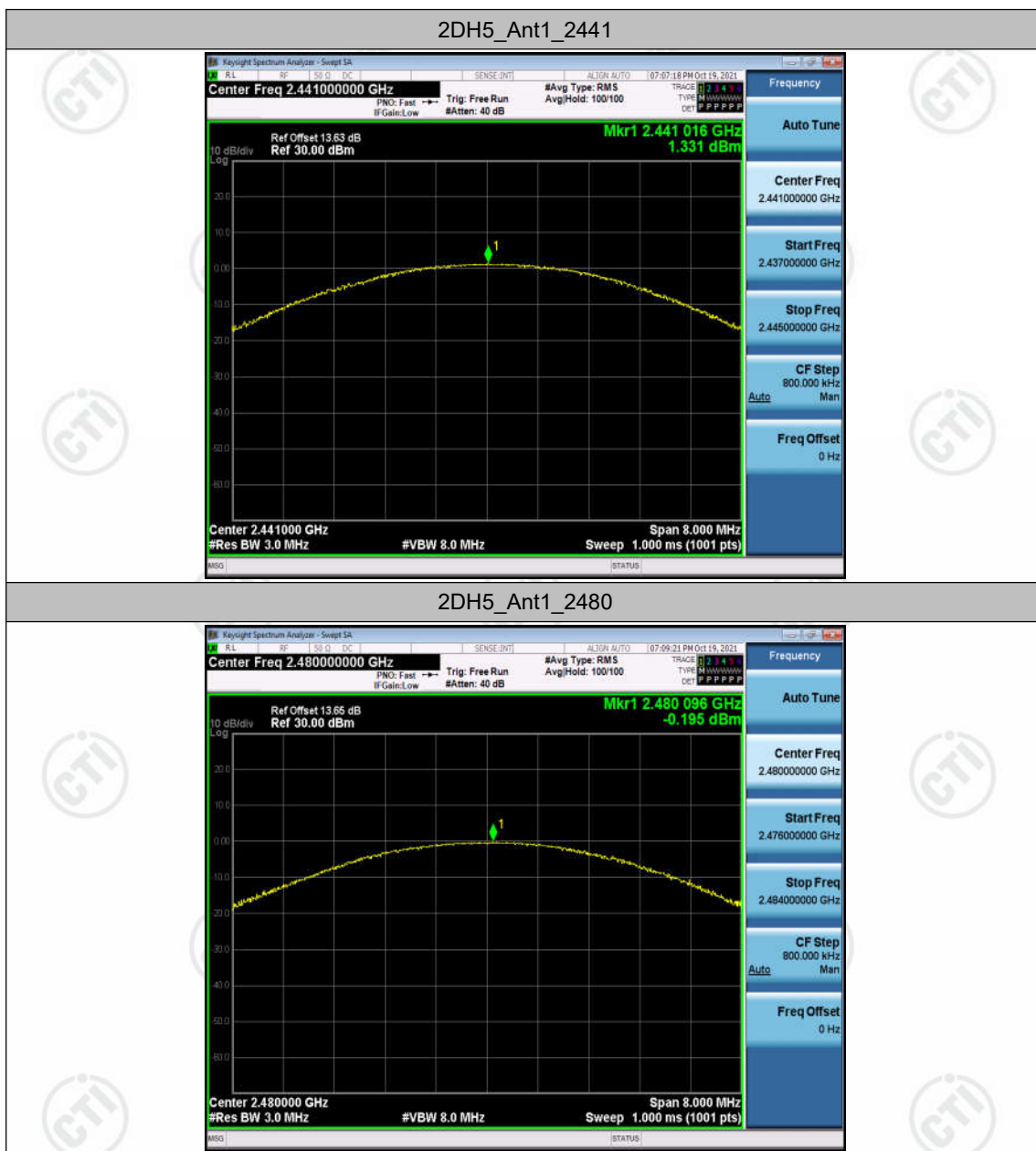
Test Result

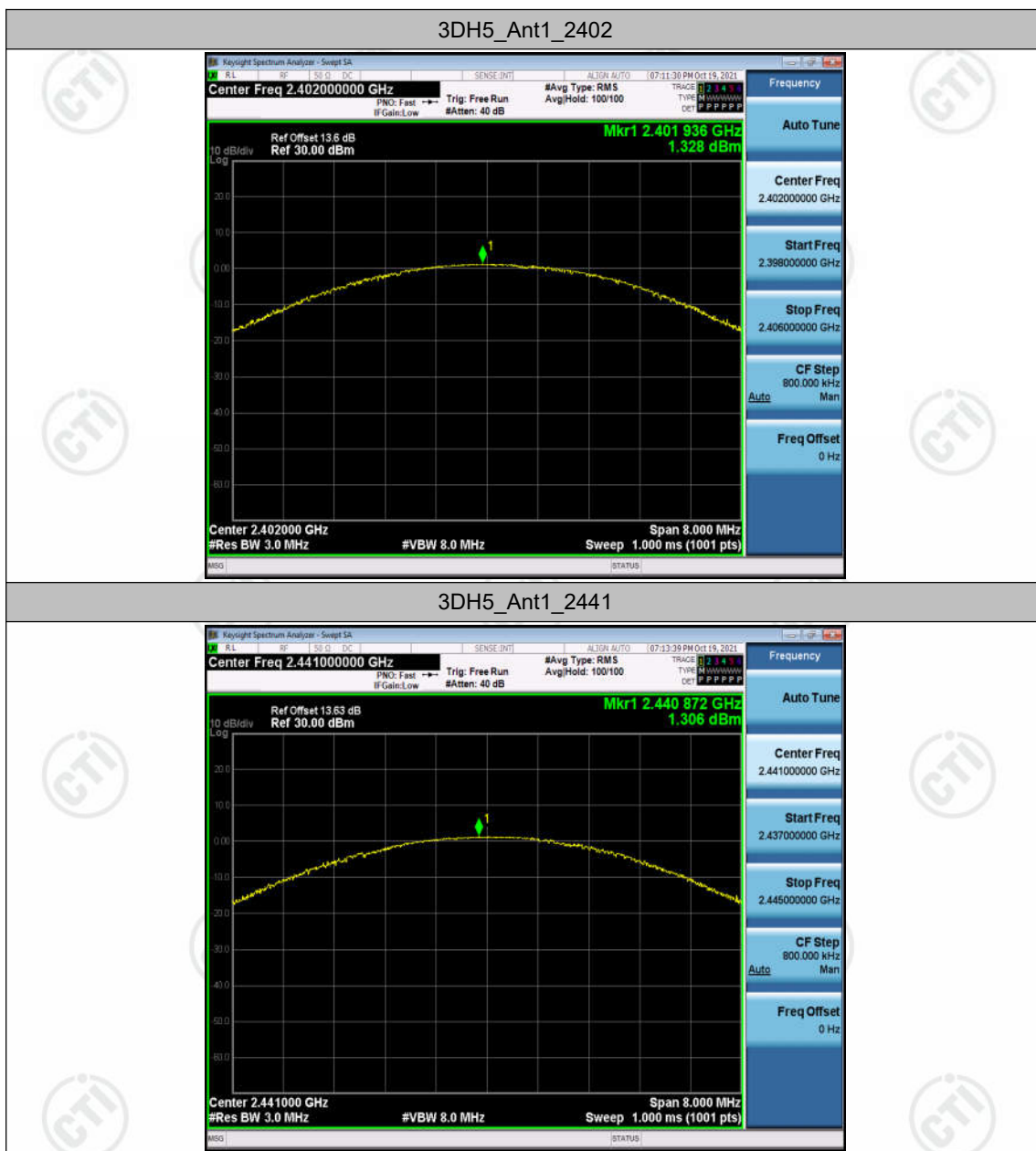
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	2.09	<=20.97	PASS
		2441	2.08	<=20.97	PASS
		2480	0.56	<=20.97	PASS
2DH5	Ant1	2402	1.19	<=20.97	PASS
		2441	1.33	<=20.97	PASS
		2480	-0.2	<=20.97	PASS
3DH5	Ant1	2402	1.33	<=20.97	PASS
		2441	1.31	<=20.97	PASS
		2480	-0.19	<=20.97	PASS

Test Graphs











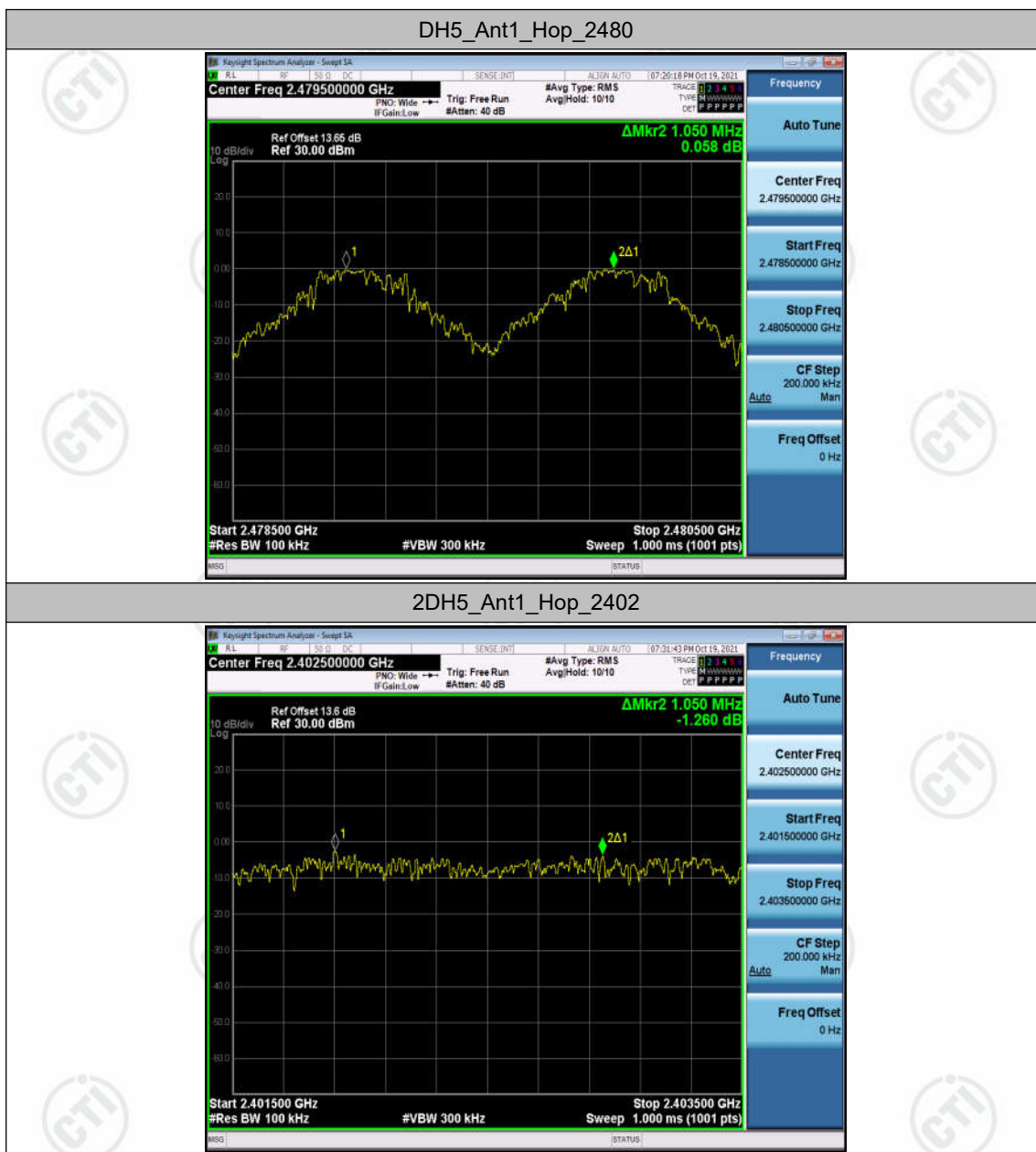
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop_2402	1.042	≥ 0.807	PASS
		Hop_2441	1.008	≥ 0.807	PASS
		Hop_2480	1.050	≥ 0.807	PASS
2DH5	Ant1	Hop_2402	1.050	≥ 0.844	PASS
		Hop_2441	1.186	≥ 0.844	PASS
		Hop_2480	0.926	≥ 0.844	PASS
3DH5	Ant1	Hop_2402	1.142	≥ 0.840	PASS
		Hop_2441	0.990	≥ 0.840	PASS
		Hop_2480	0.918	≥ 0.840	PASS

Test Graphs



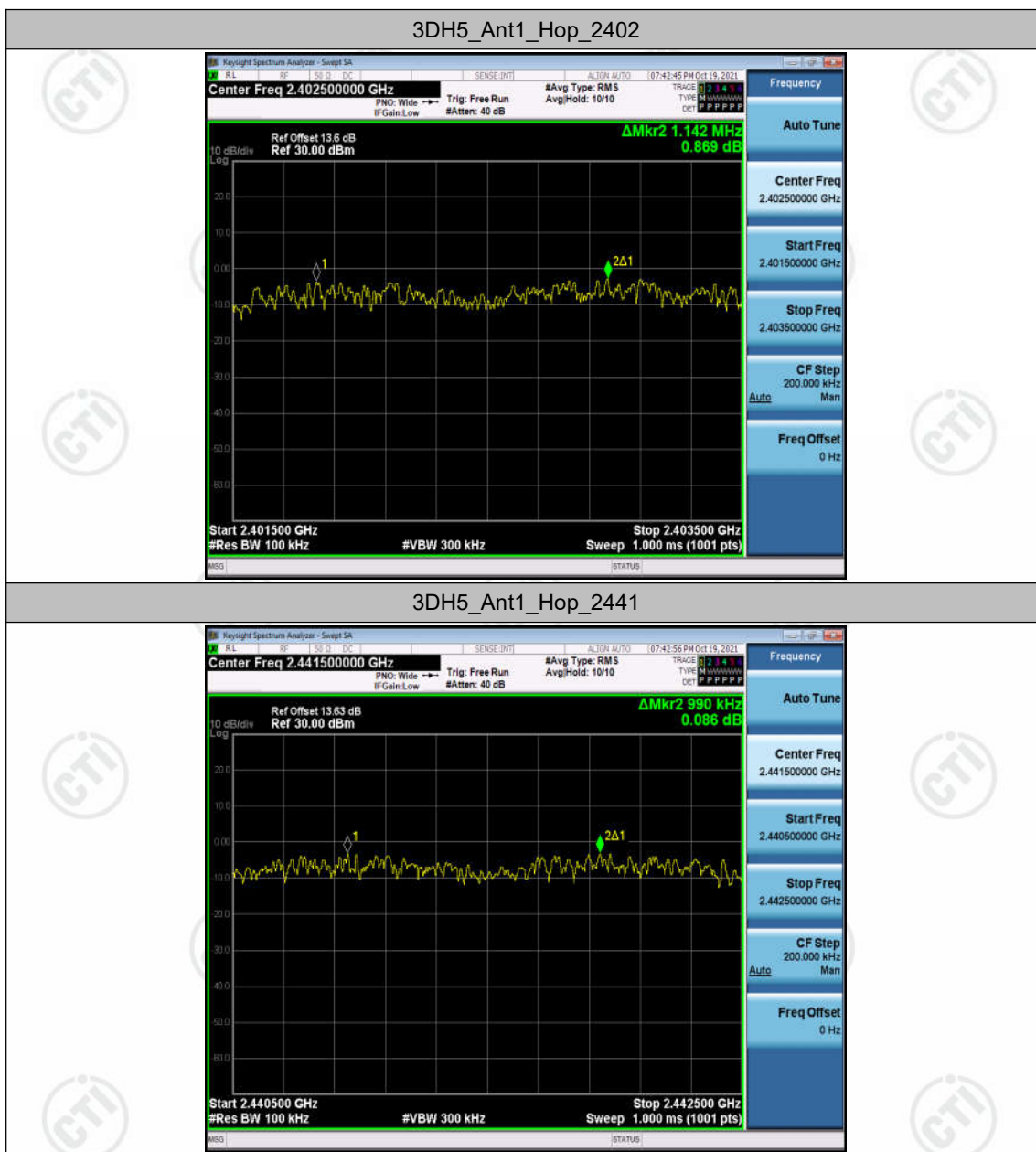


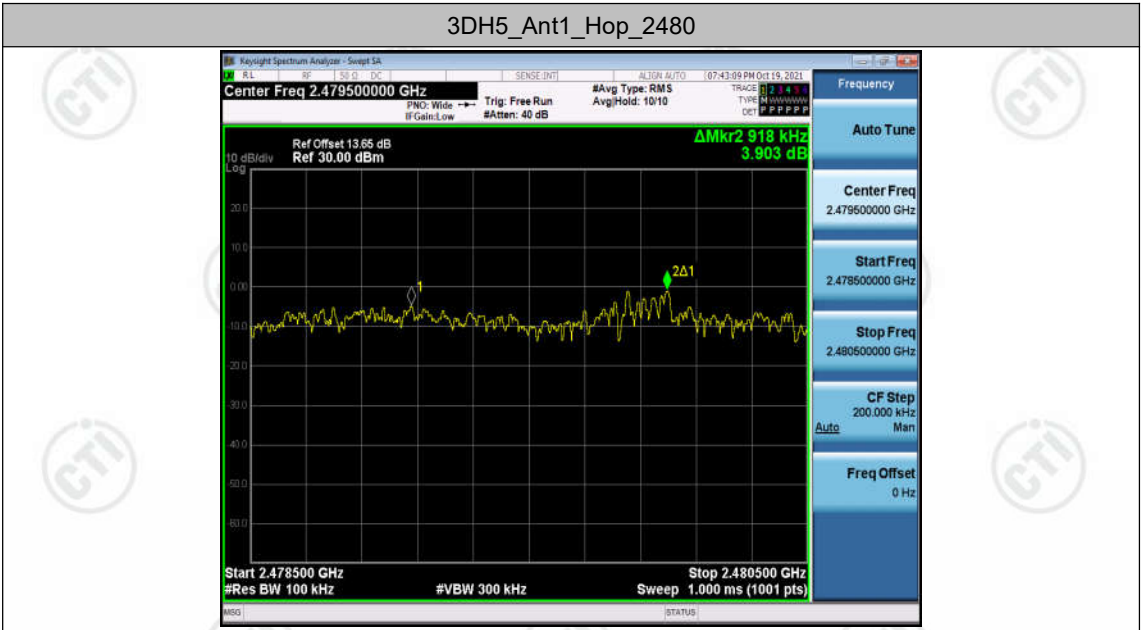
2DH5_Ant1_Hop_2441



2DH5_Ant1_Hop_2480





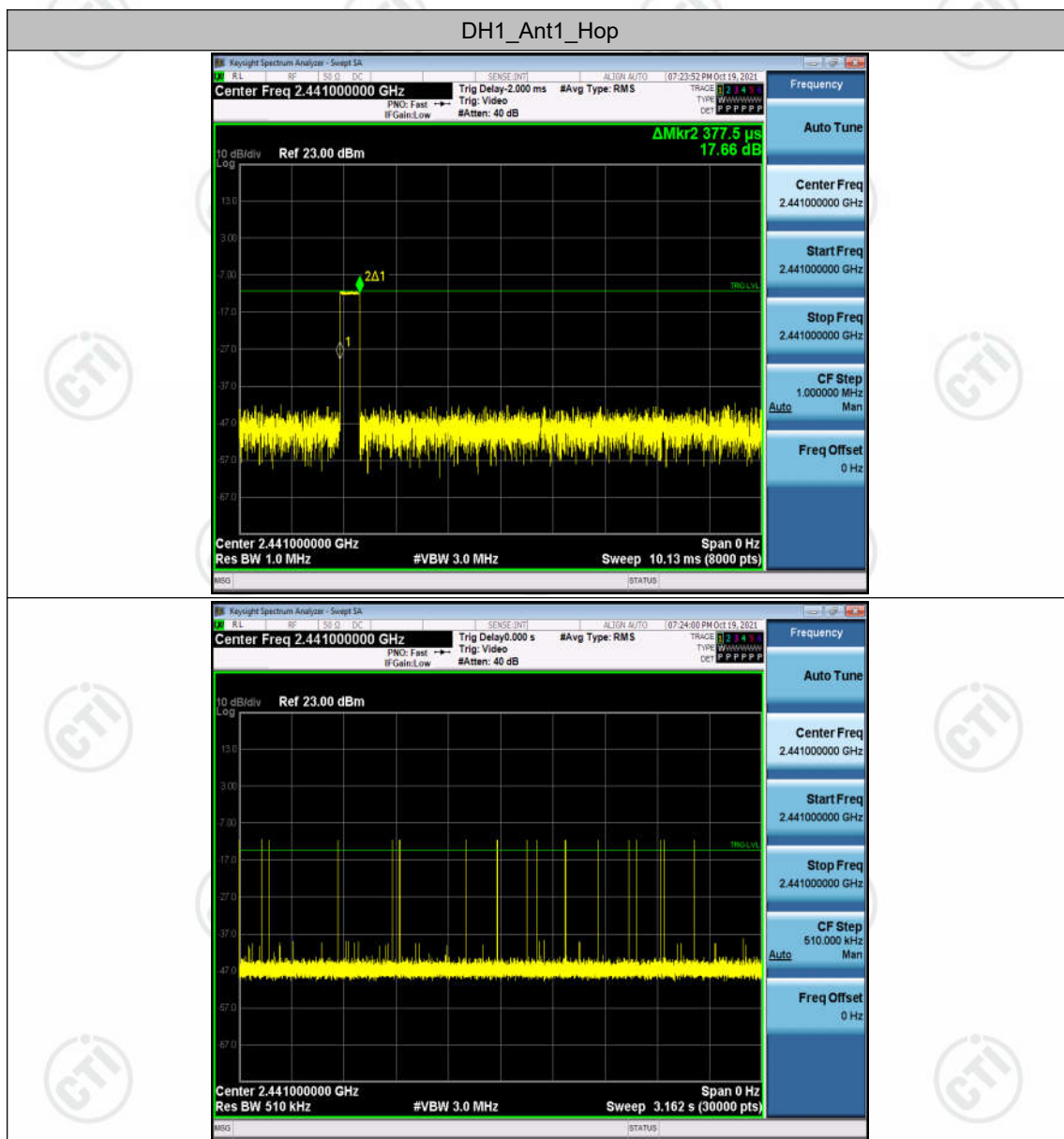


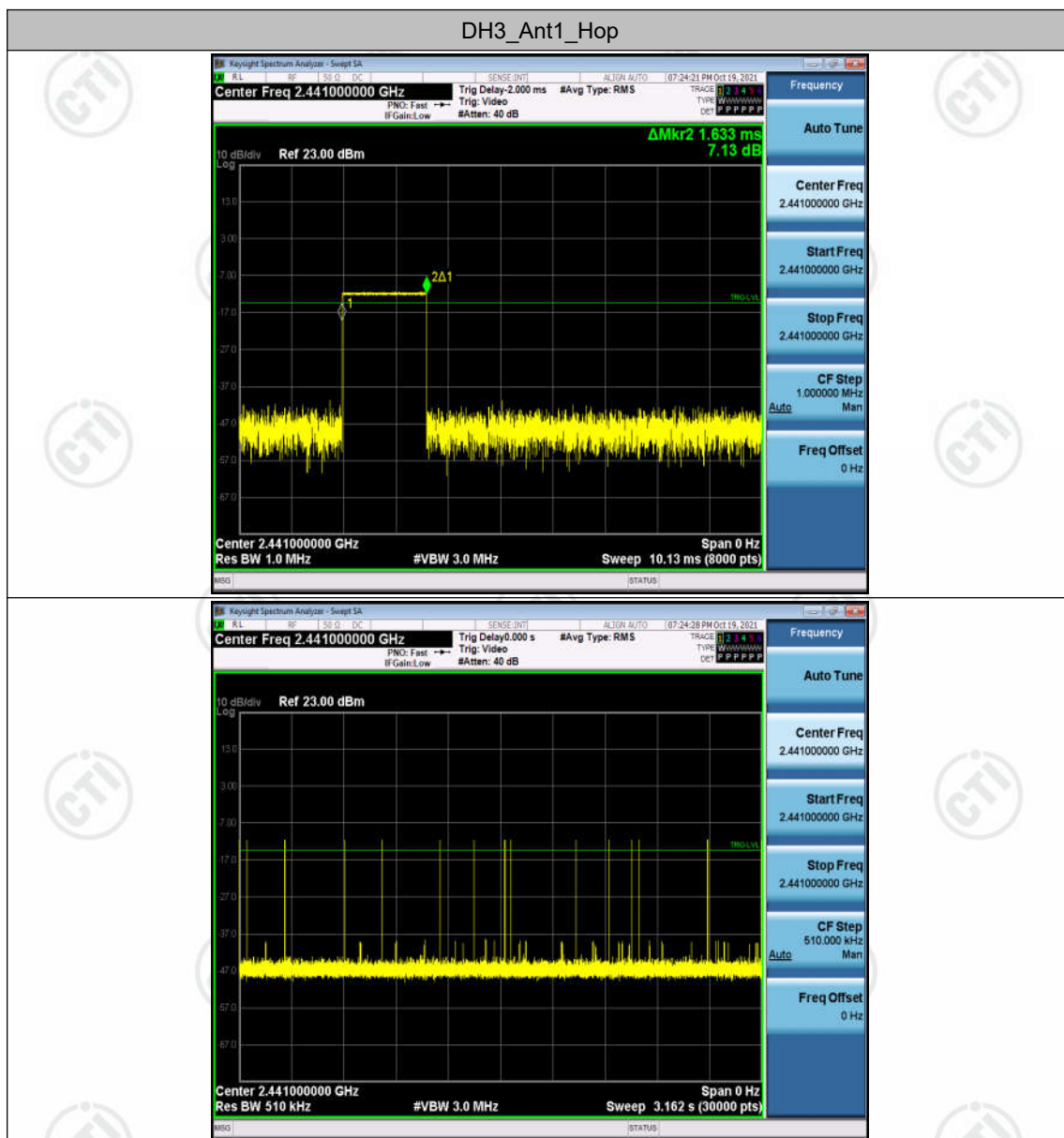
Appendix E: Time of occupancy

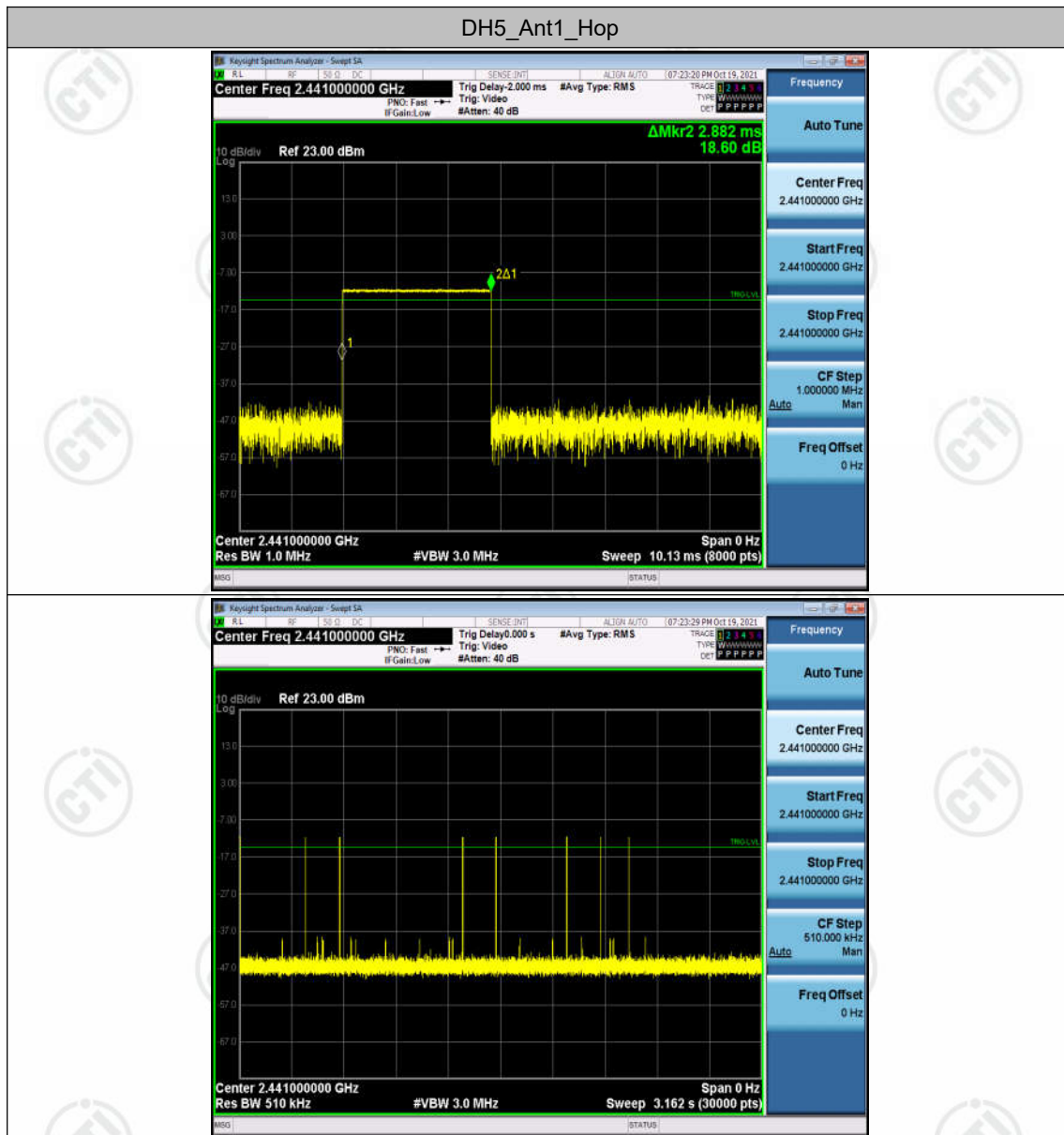
Test Result

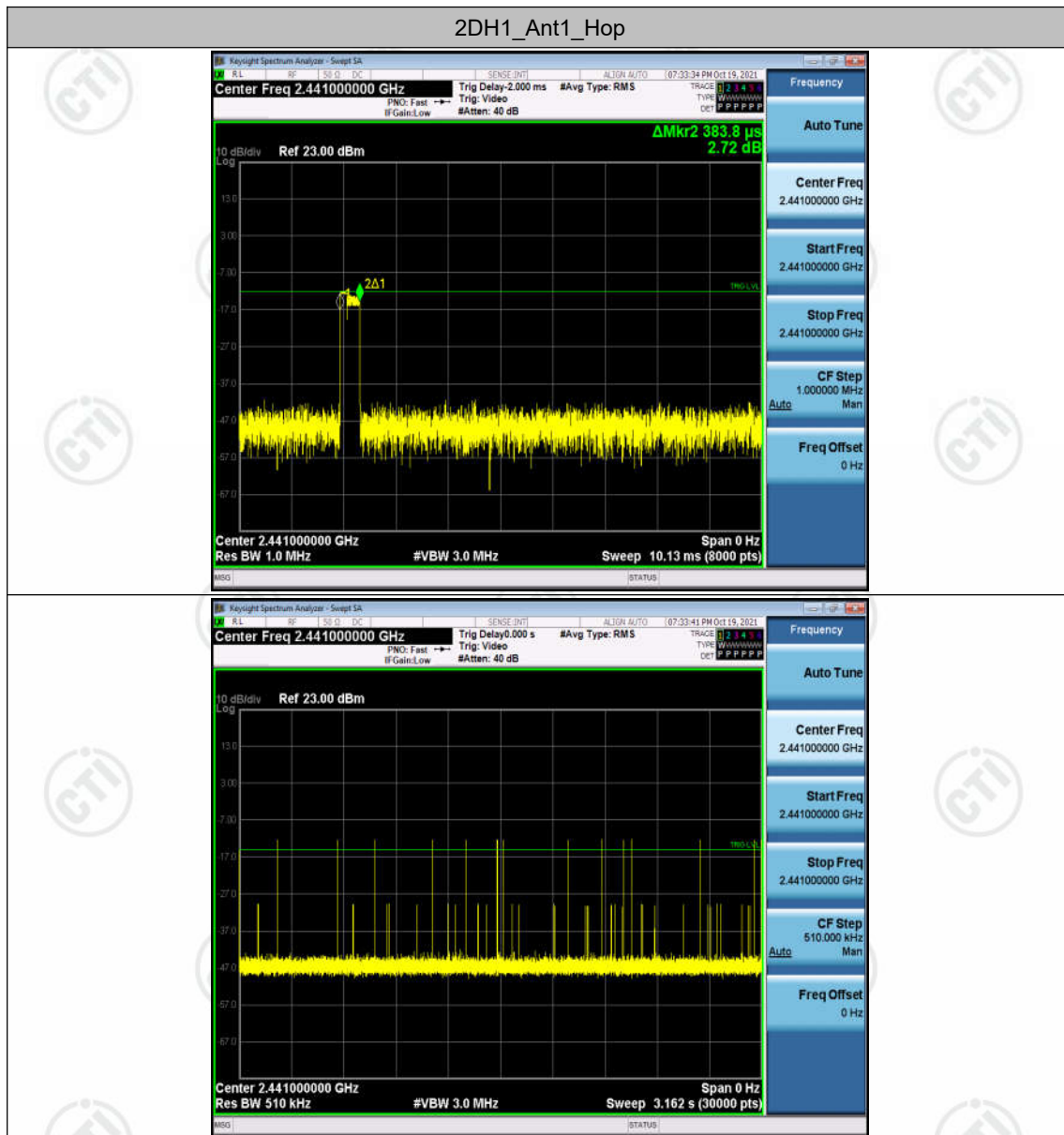
Test Mode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.38	170	0.064	<=0.4	PASS
DH3	Ant1	Hop	1.63	150	0.245	<=0.4	PASS
DH5	Ant1	Hop	2.88	80	0.231	<=0.4	PASS
2DH1	Ant1	Hop	0.38	150	0.058	<=0.4	PASS
2DH3	Ant1	Hop	1.64	130	0.213	<=0.4	PASS
2DH5	Ant1	Hop	2.88	90	0.26	<=0.4	PASS
3DH1	Ant1	Hop	0.39	110	0.042	<=0.4	PASS
3DH3	Ant1	Hop	1.64	170	0.278	<=0.4	PASS
3DH5	Ant1	Hop	2.89	50	0.144	<=0.4	PASS

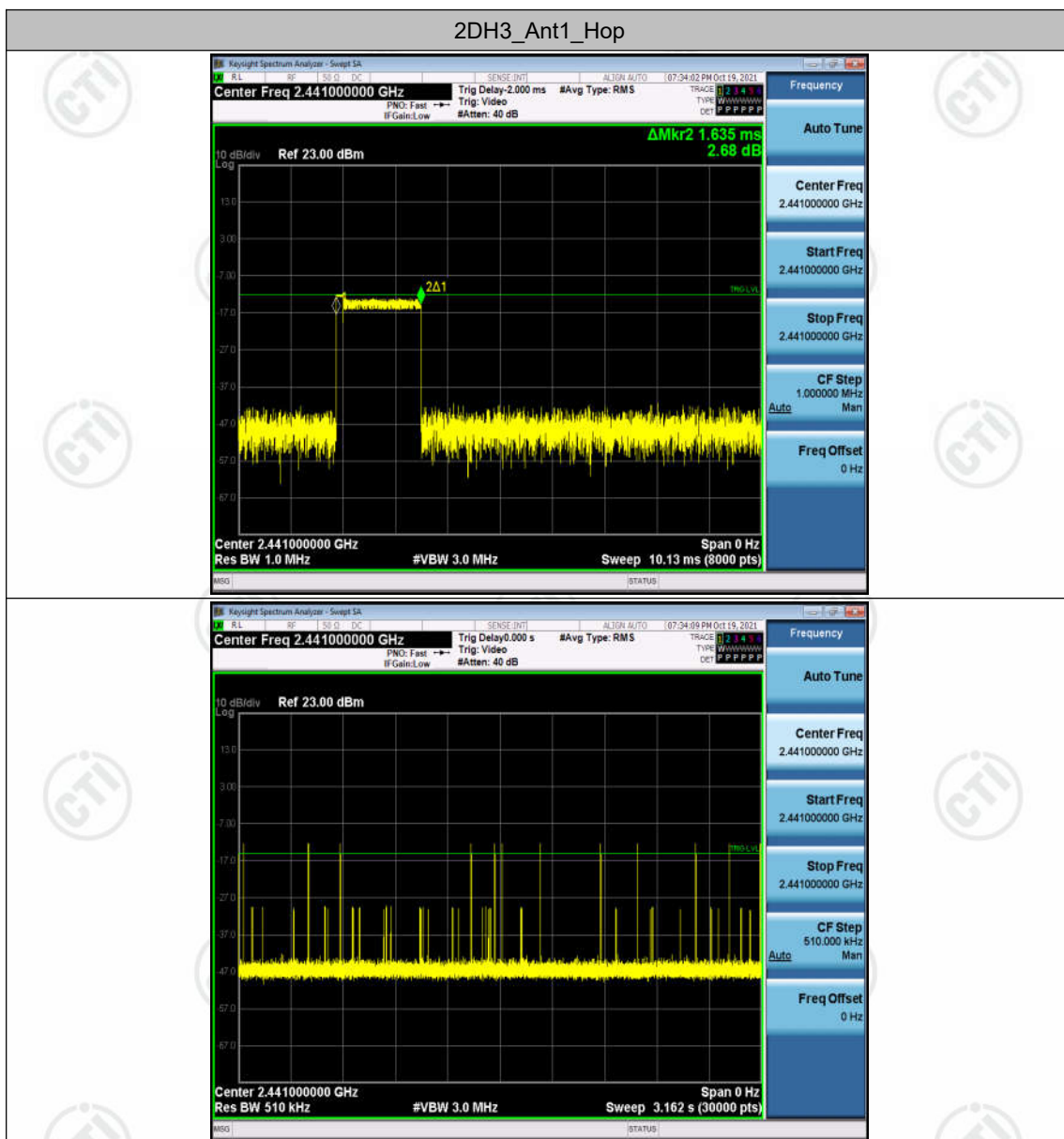
Test Graphs

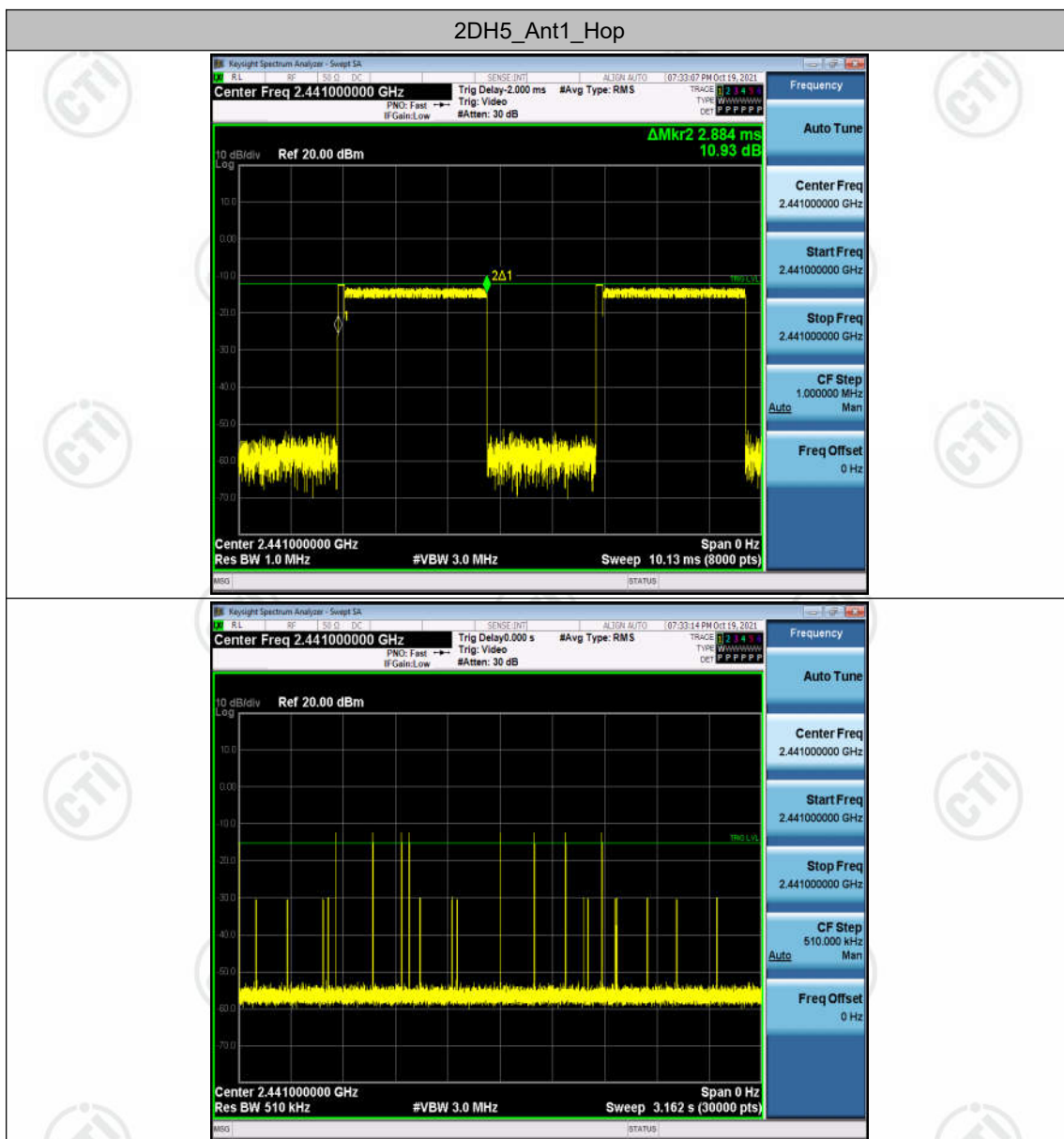


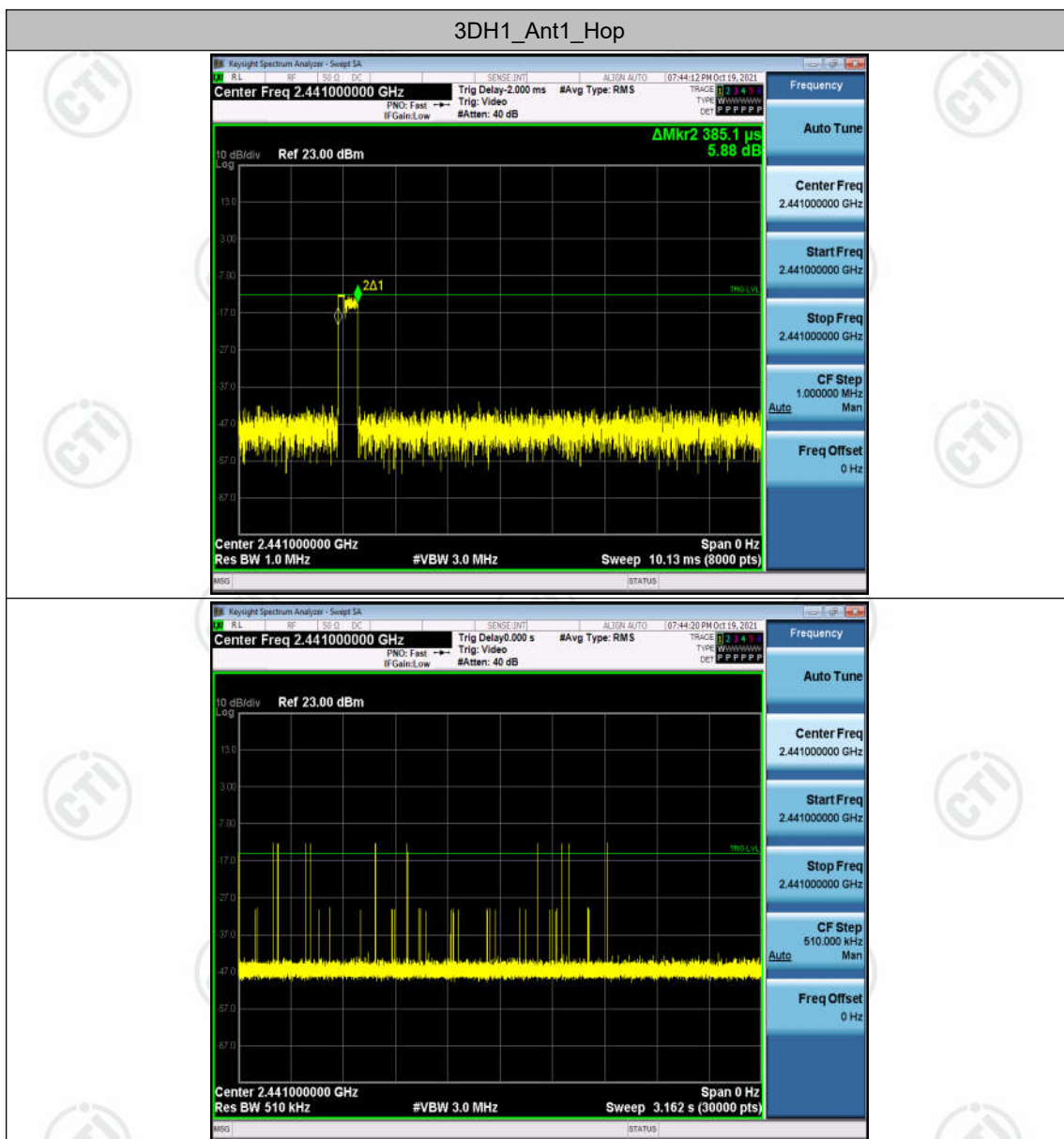


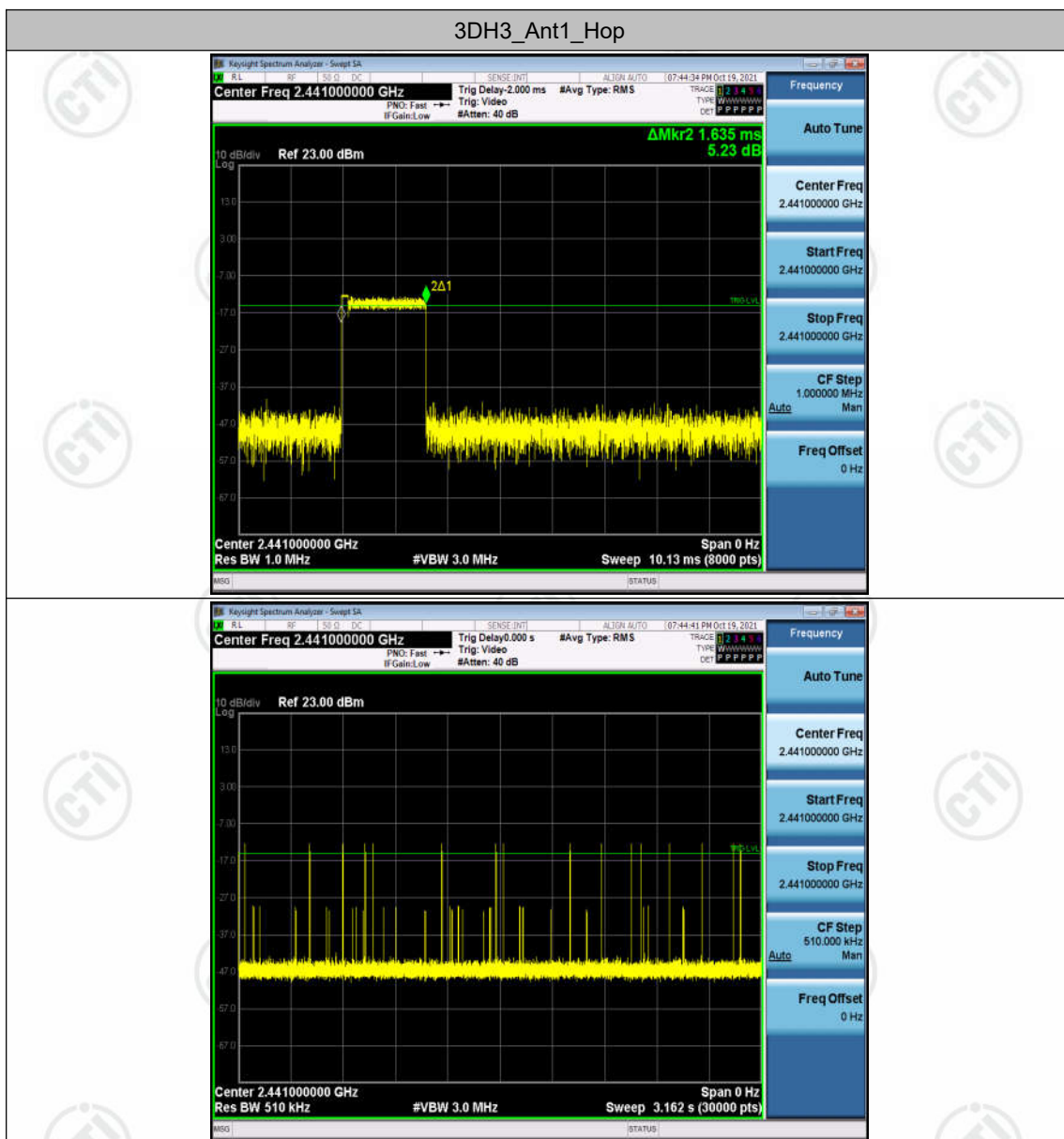


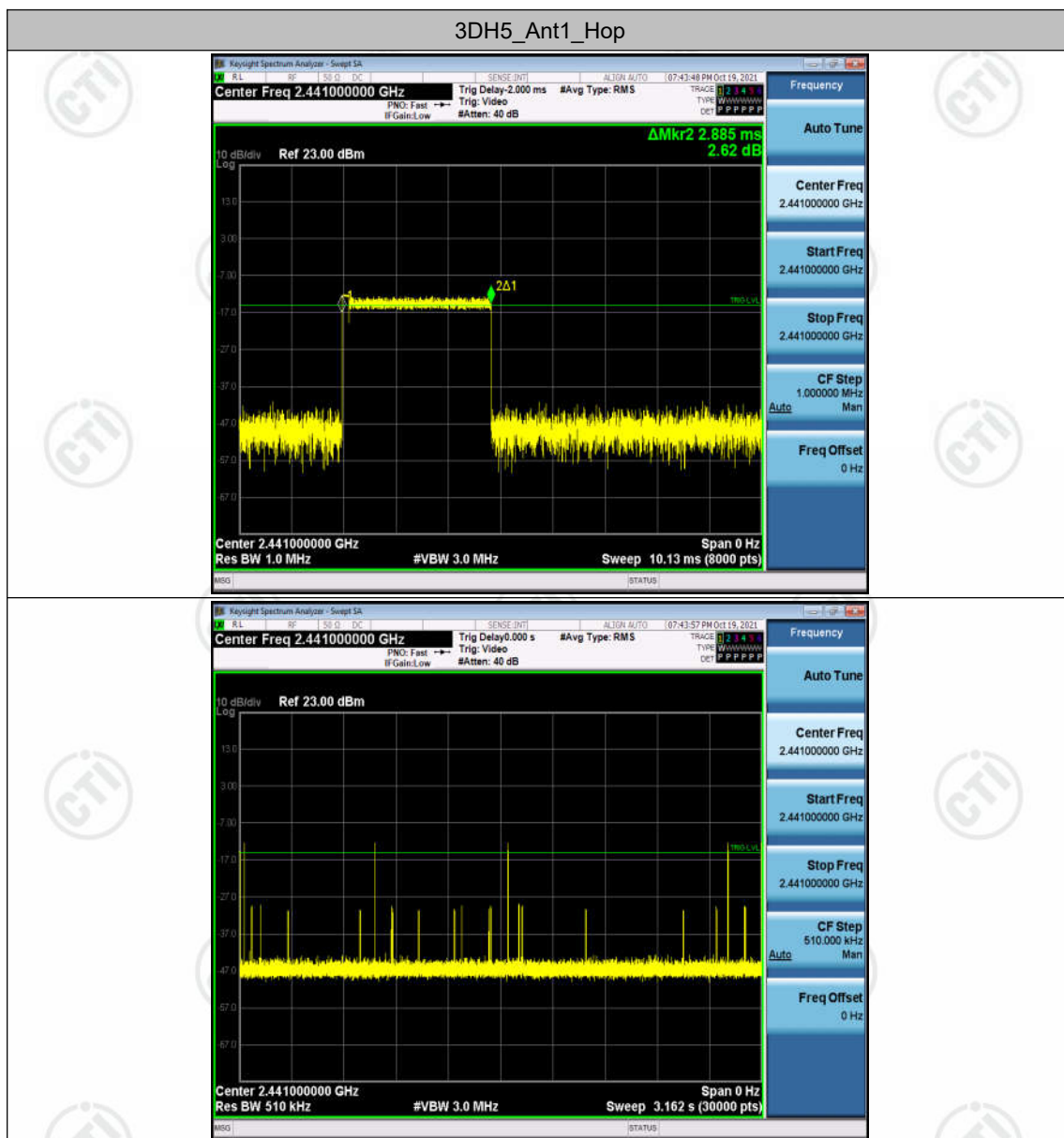










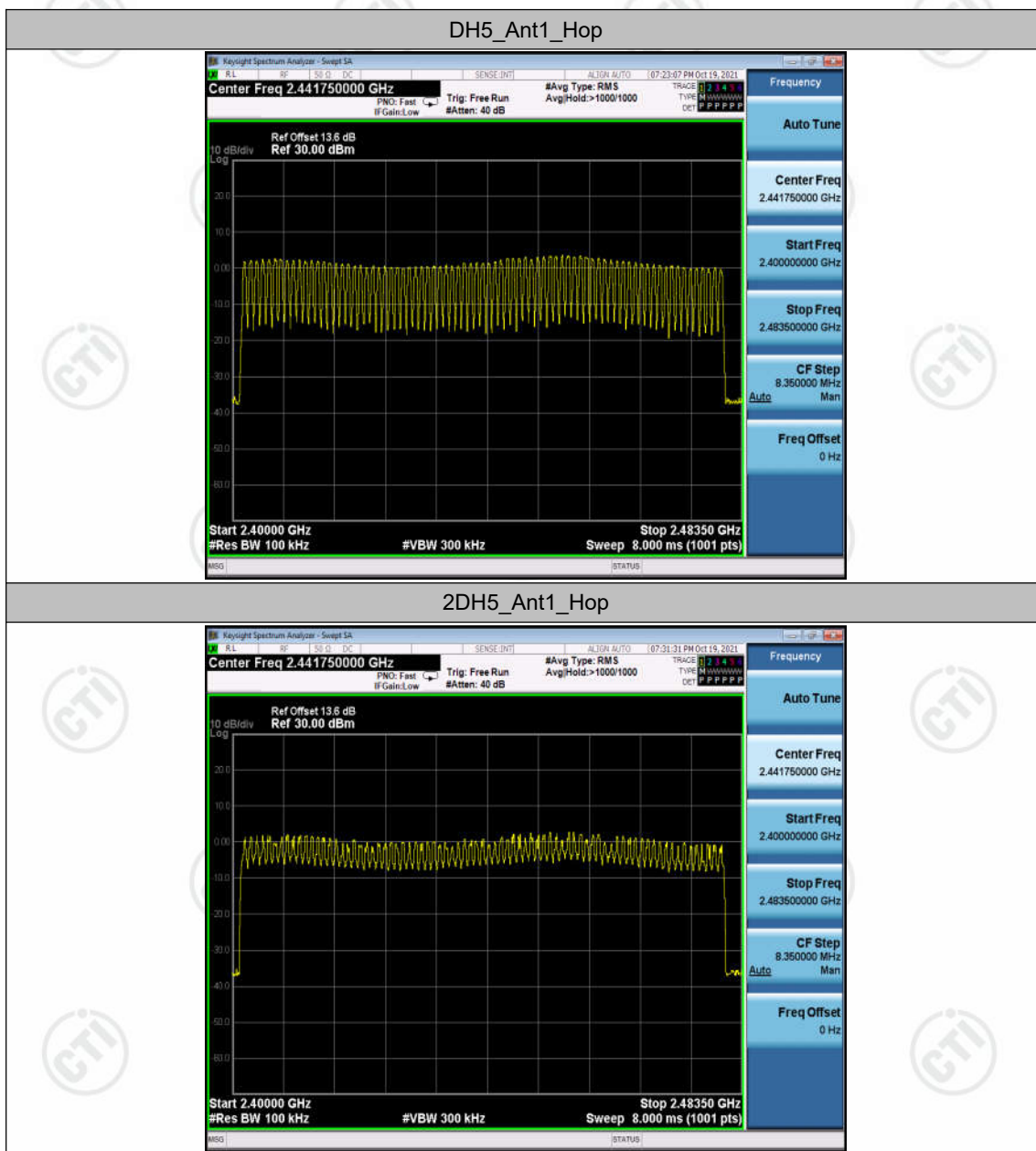


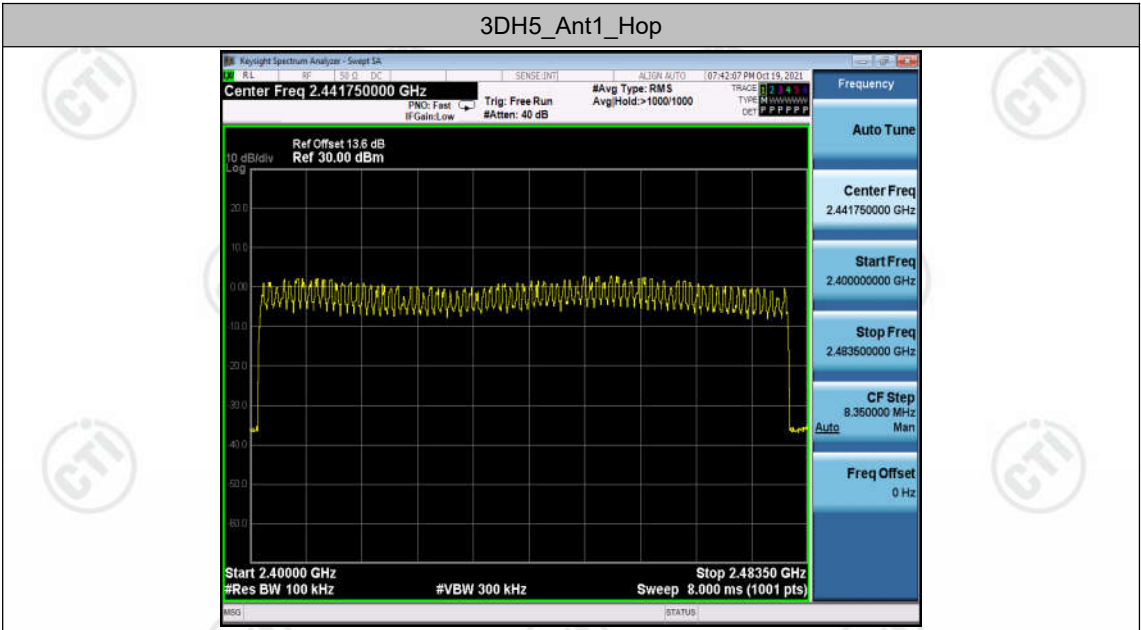
AppendixF : Number of hopping channels

Test Result

Test Mode	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



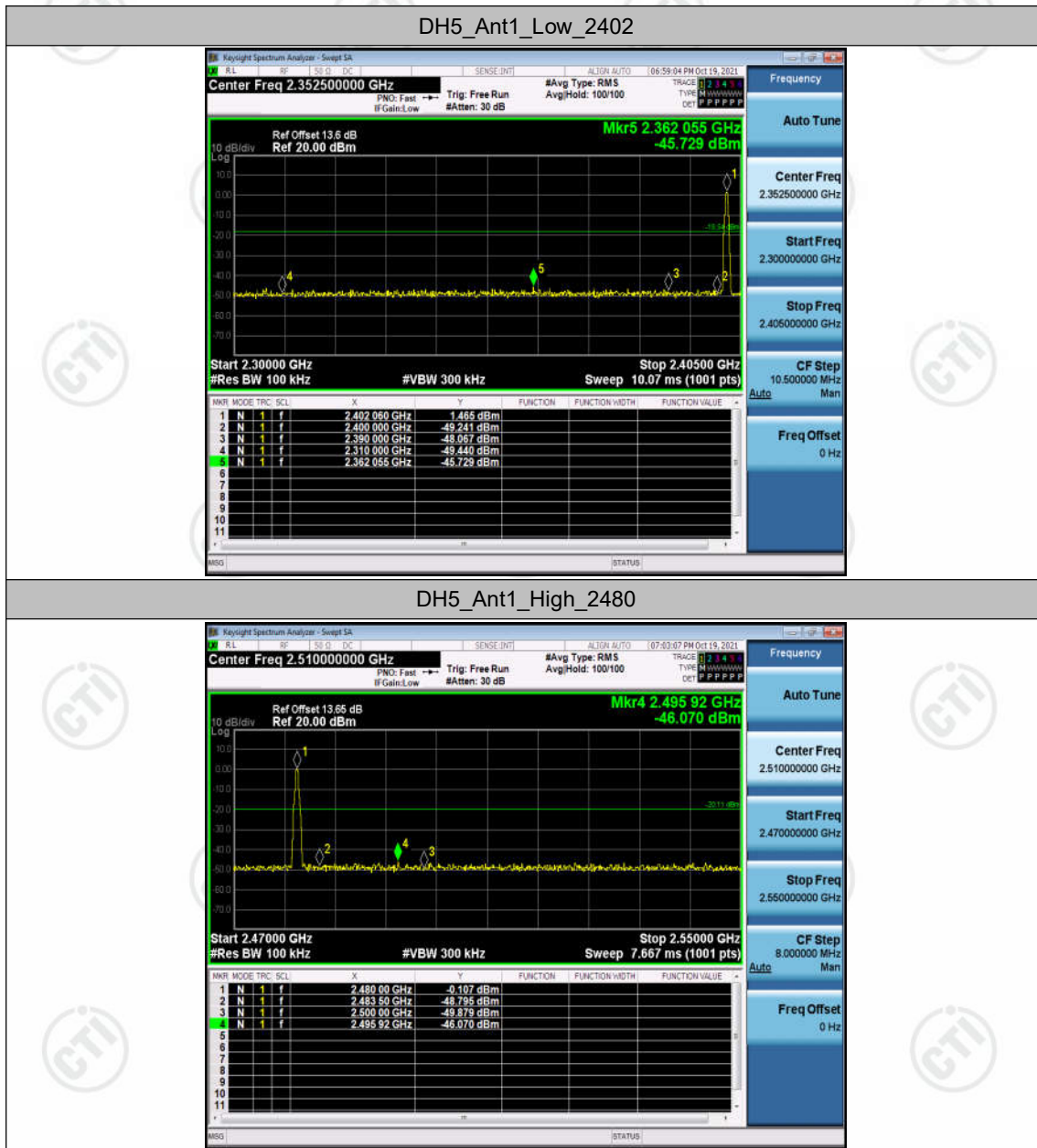


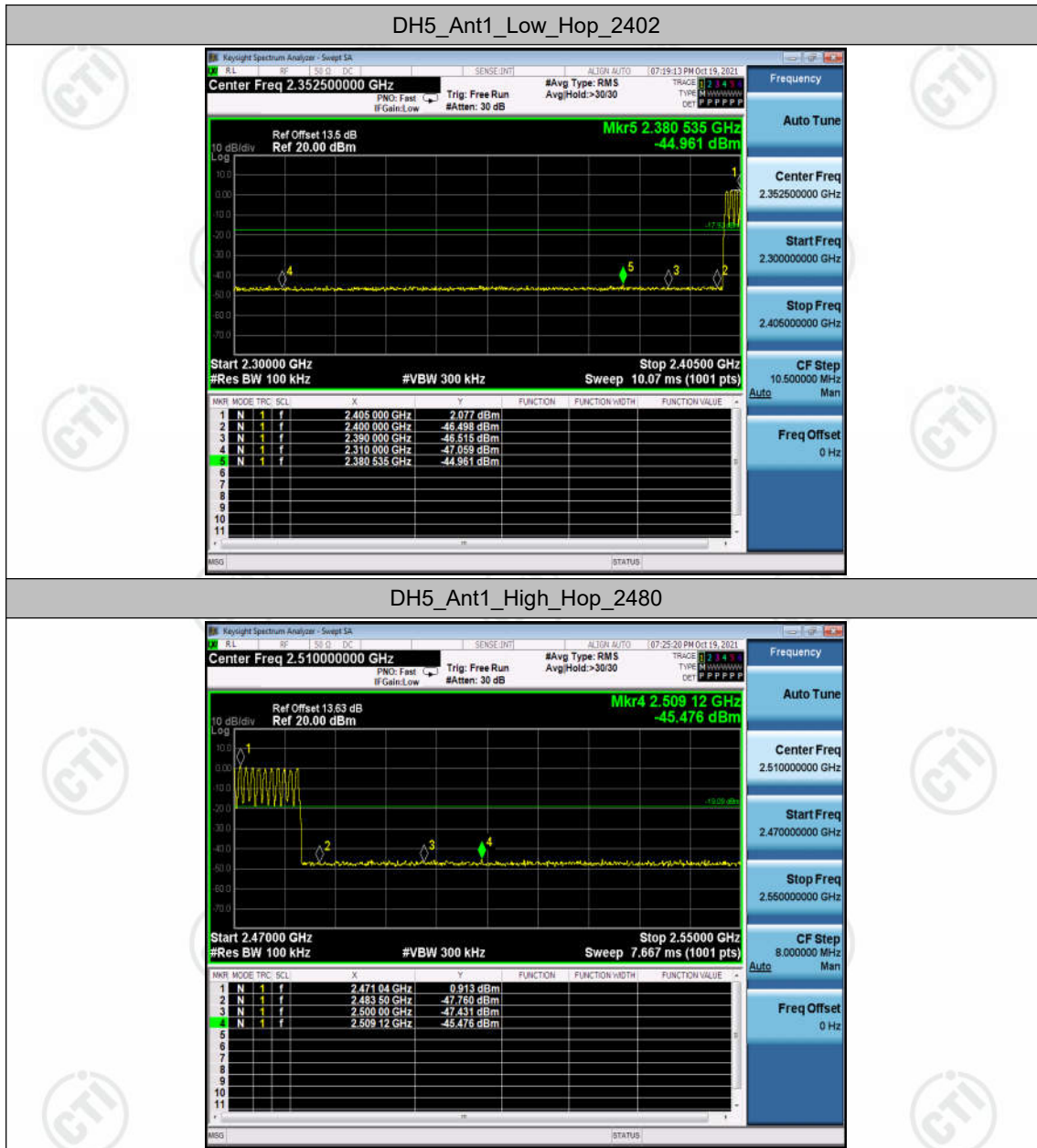
Appendix G:Band edge measurements

Test Result

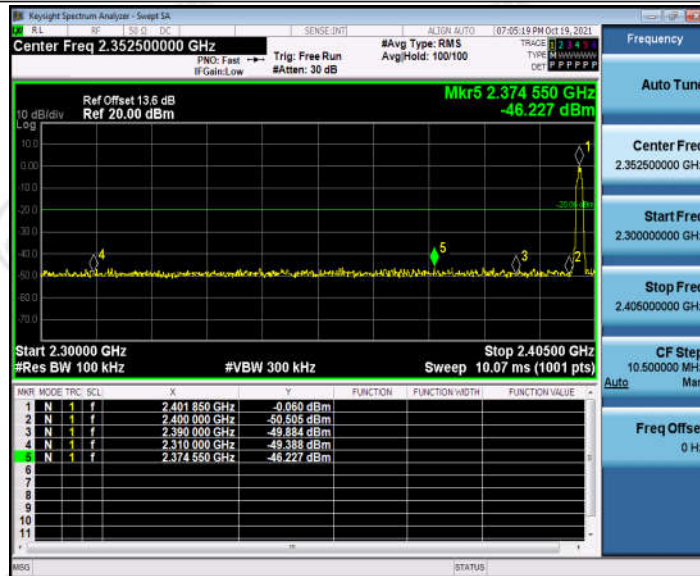
Test Mode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.47	-45.73	<=-18.54	PASS
		High	2480	-0.11	-46.07	<=-20.11	PASS
		Low	Hop_2402	2.08	-44.96	<=-17.92	PASS
		High	Hop_2480	0.91	-45.48	<=-19.09	PASS
2DH5	Ant1	Low	2402	-0.06	-46.23	<=-20.06	PASS
		High	2480	-1.50	-45.31	<=-21.5	PASS
		Low	Hop_2402	1.17	-45.14	<=-18.83	PASS
		High	Hop_2480	0.10	-43.89	<=-19.9	PASS
3DH5	Ant1	Low	2402	0.55	-45.52	<=-19.45	PASS
		High	2480	-1.46	-45.43	<=-21.46	PASS
		Low	Hop_2402	0.98	-45.23	<=-19.02	PASS
		High	Hop_2480	-0.27	-43.7	<=-20.27	PASS

Test Graphs

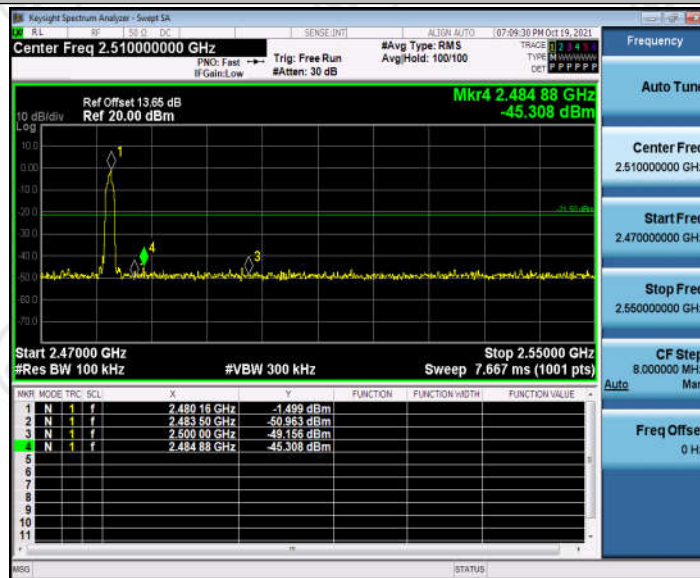


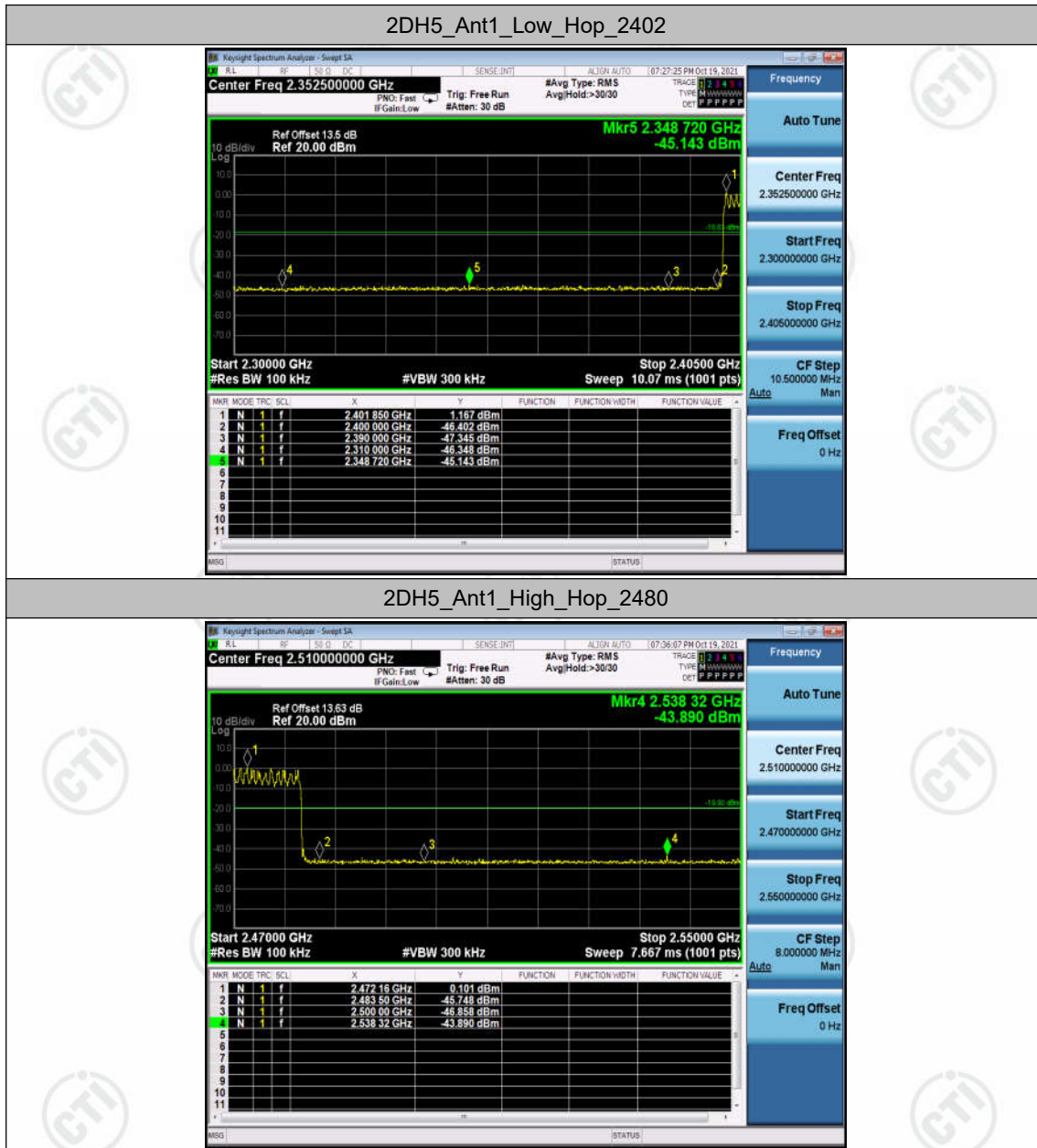


2DH5_Ant1_Low_2402

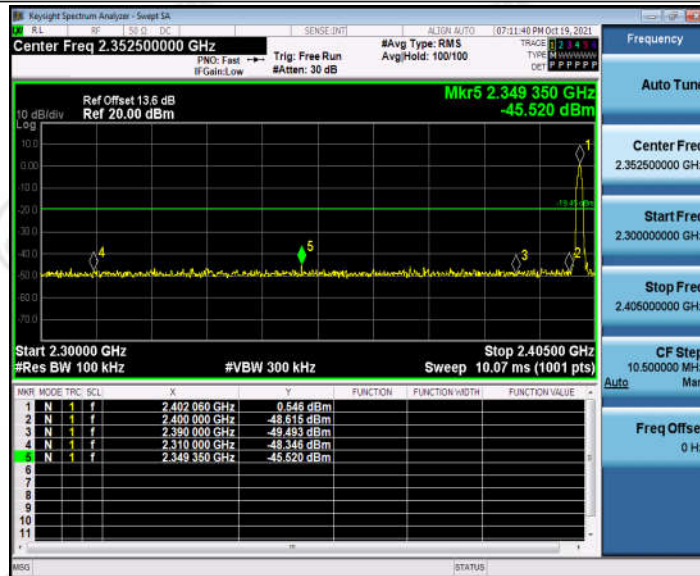


2DH5_Ant1_High_2480

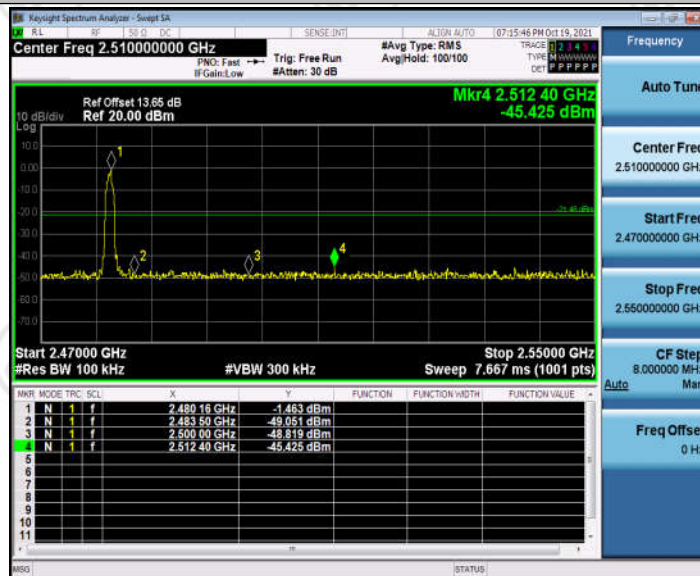


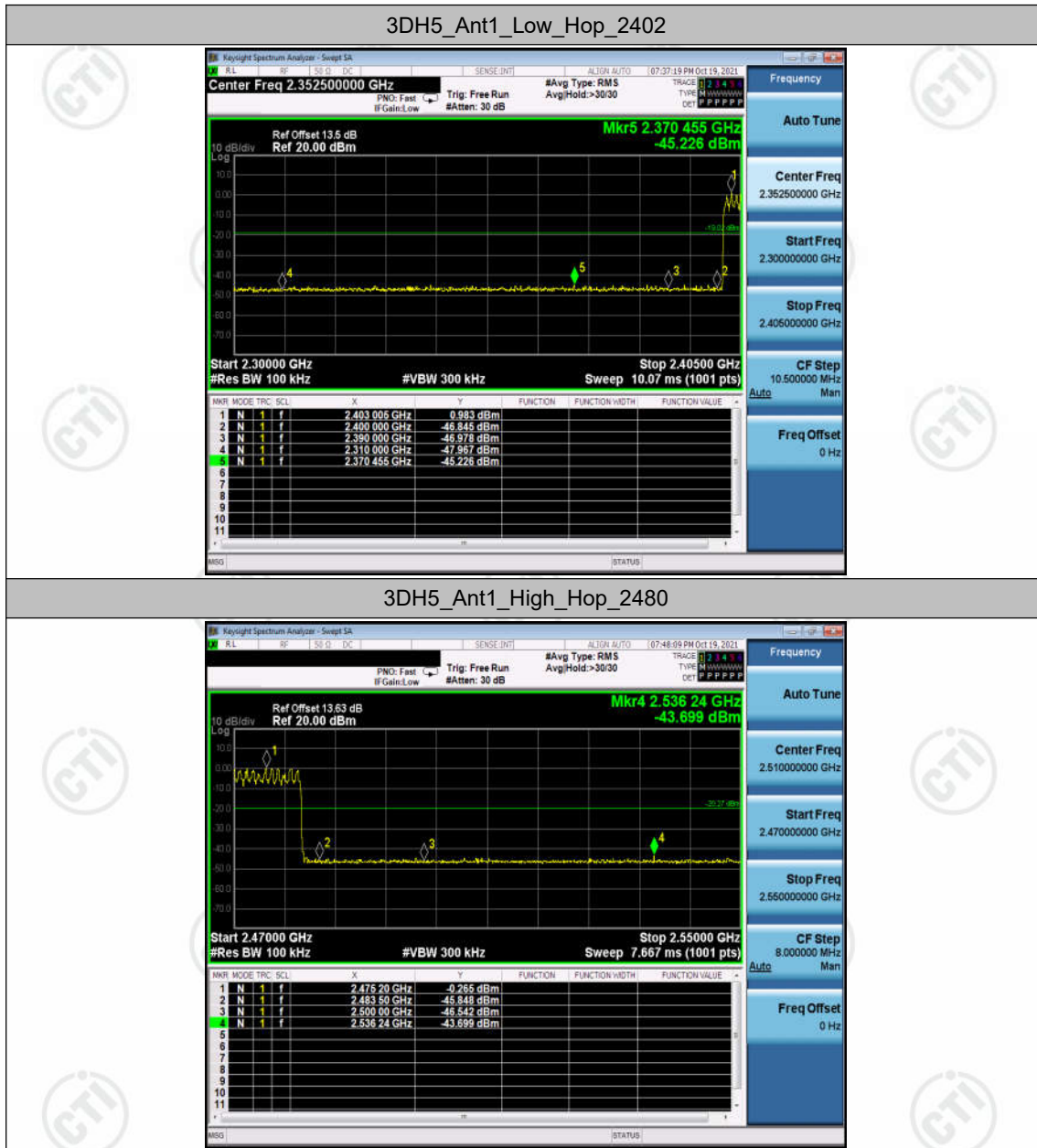


3DH5_Ant1_Low_2402



3DH5_Ant1_High_2480



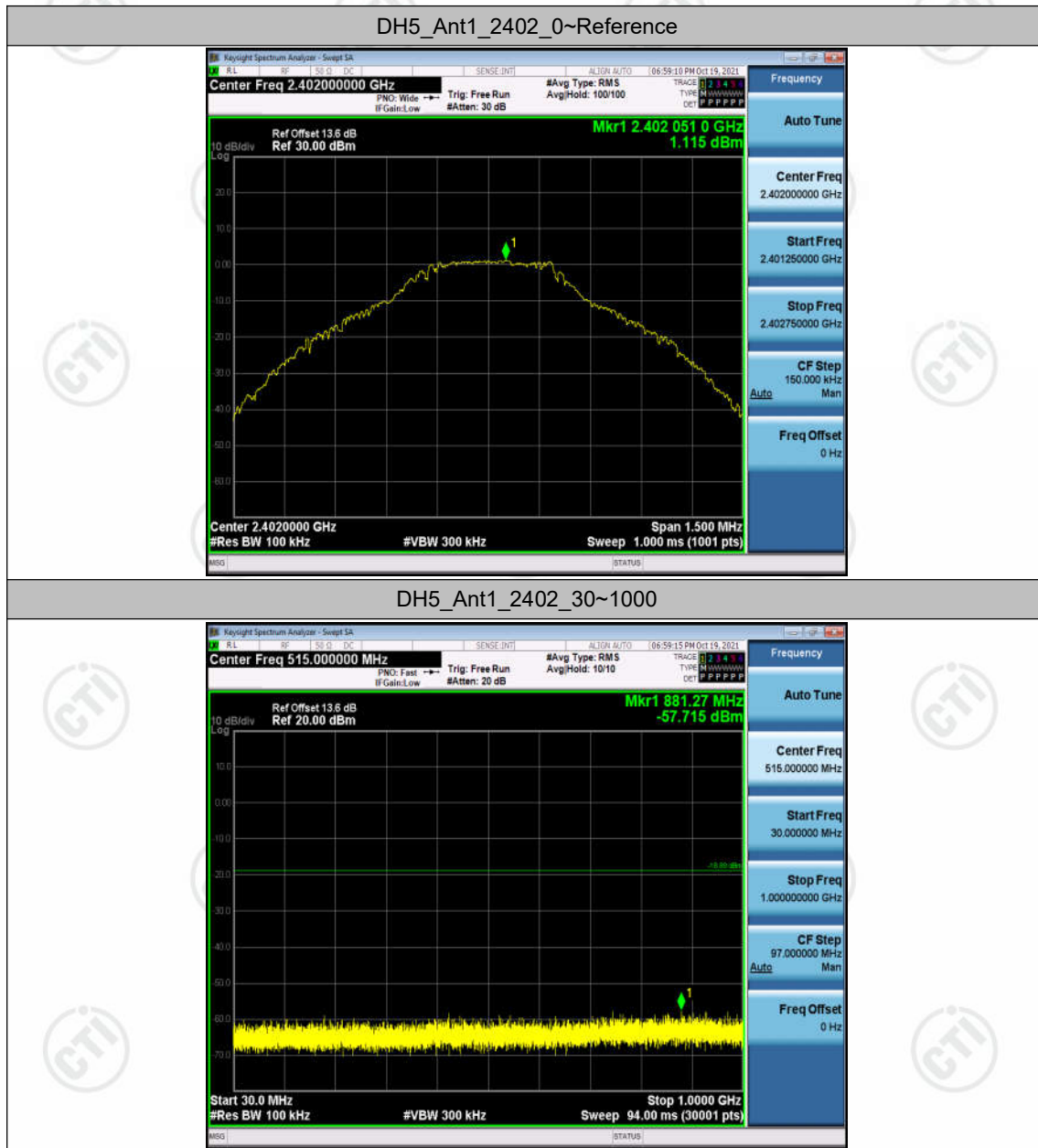


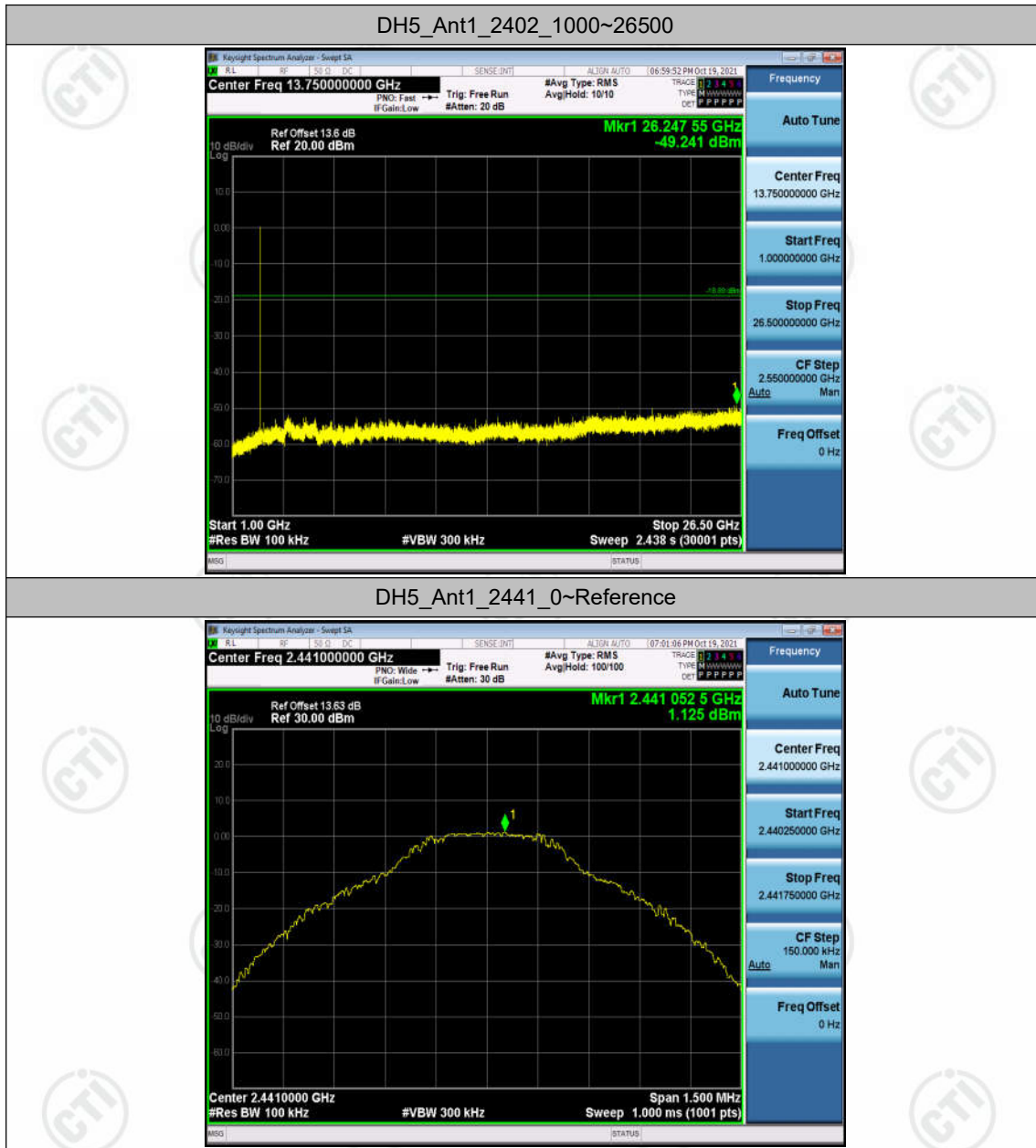
Appendix H:Conducted SpuriousEmission

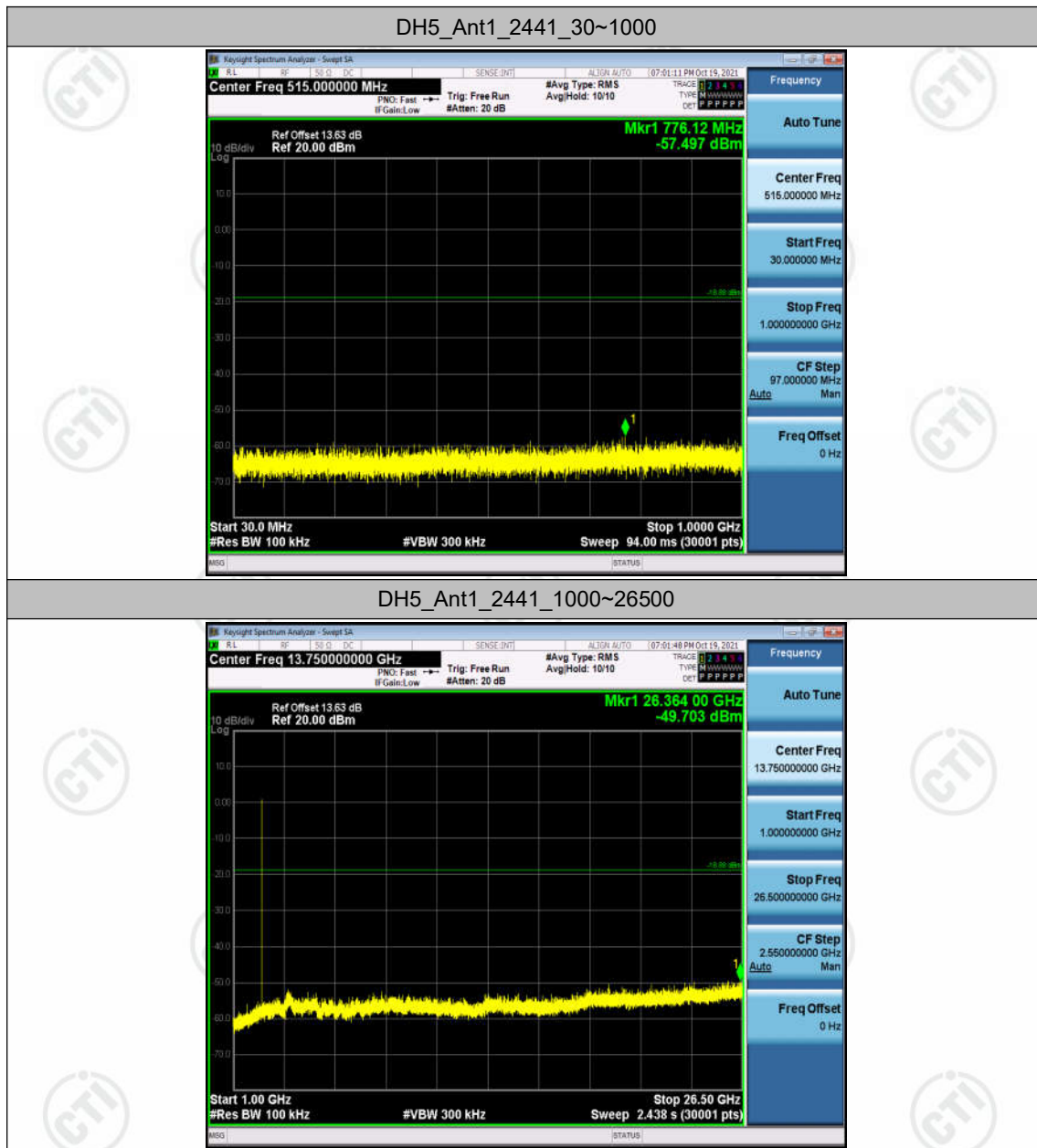
Test Result

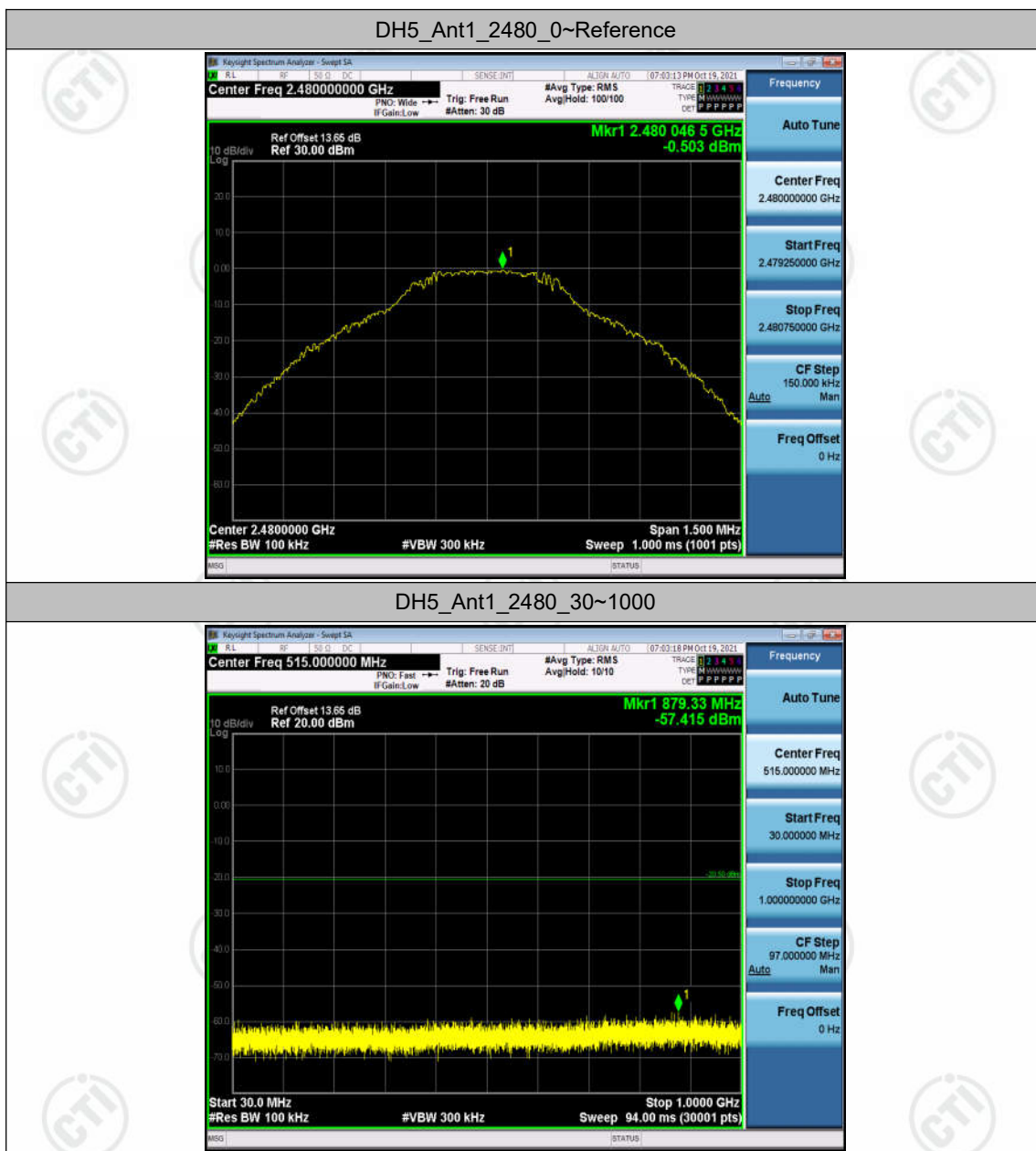
Test Mode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	1.12	1.12	---	PASS
			30~1000	---	-57.715	<=-18.885	PASS
			1000~26500	---	-49.241	<=-18.885	PASS
		2441	Reference	1.13	1.13	---	PASS
			30~1000	---	-57.497	<=-18.875	PASS
			1000~26500	---	-49.703	<=-18.875	PASS
		2480	Reference	-0.50	-0.50	---	PASS
			30~1000	---	-57.415	<=-20.503	PASS
			1000~26500	---	-48.892	<=-20.503	PASS
2DH5	Ant1	2402	Reference	0.62	0.62	---	PASS
			30~1000	---	-57.069	<=-19.385	PASS
			1000~26500	---	-49.676	<=-19.385	PASS
		2441	Reference	-0.07	-0.07	---	PASS
			30~1000	---	-56.006	<=-20.067	PASS
			1000~26500	---	-49.637	<=-20.067	PASS
		2480	Reference	-0.99	-0.99	---	PASS
			30~1000	---	-57.516	<=-20.989	PASS
			1000~26500	---	-49.184	<=-20.989	PASS
3DH5	Ant1	2402	Reference	0.71	0.71	---	PASS
			30~1000	---	-57.66	<=-19.286	PASS
			1000~26500	---	-48.811	<=-19.286	PASS
		2441	Reference	0.14	0.14	---	PASS
			30~1000	---	-57.828	<=-19.865	PASS
			1000~26500	---	-48.812	<=-19.865	PASS
		2480	Reference	-0.85	-0.85	---	PASS
			30~1000	---	-57.721	<=-20.849	PASS
			1000~26500	---	-49.343	<=-20.849	PASS

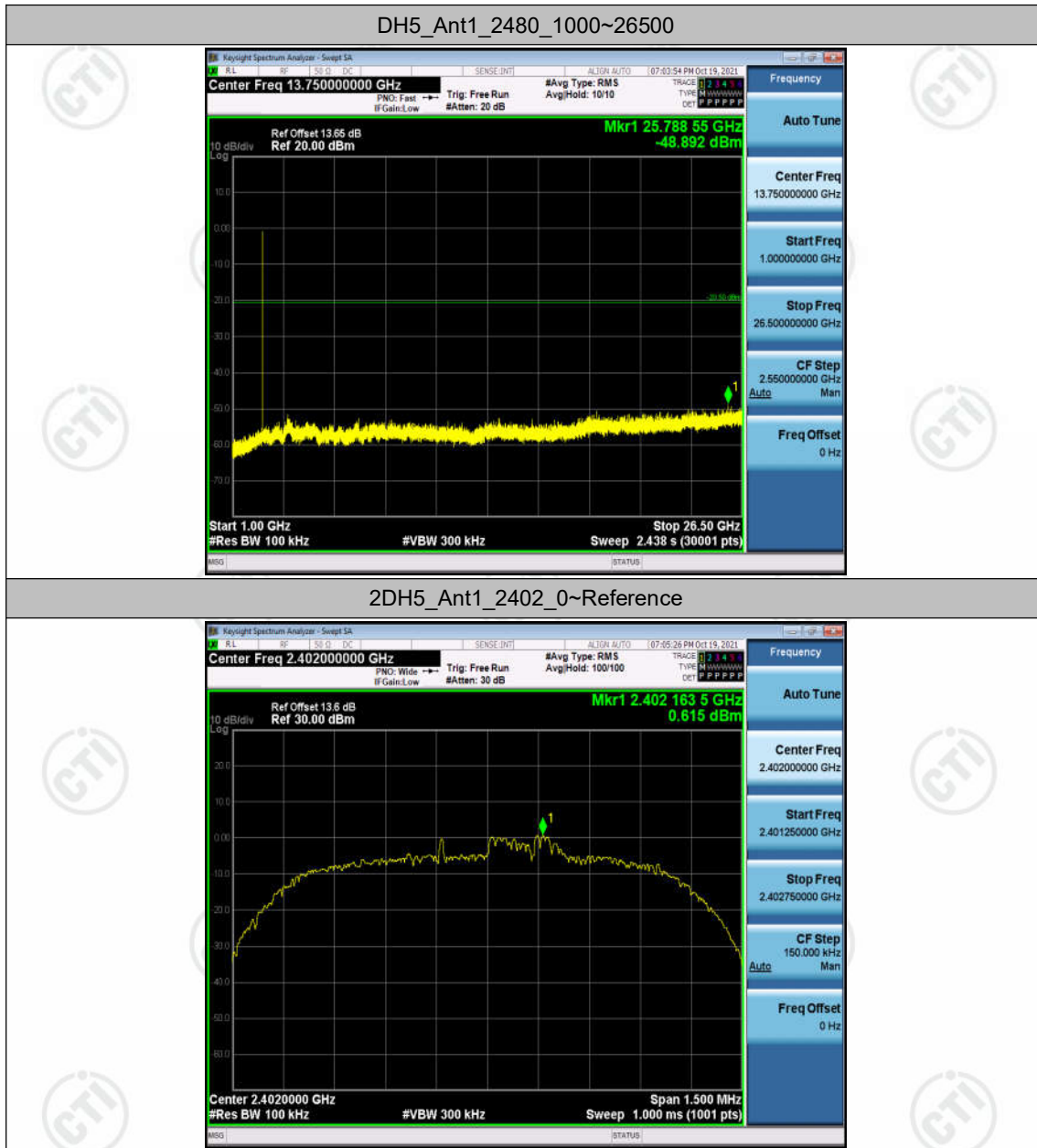
Test Graphs

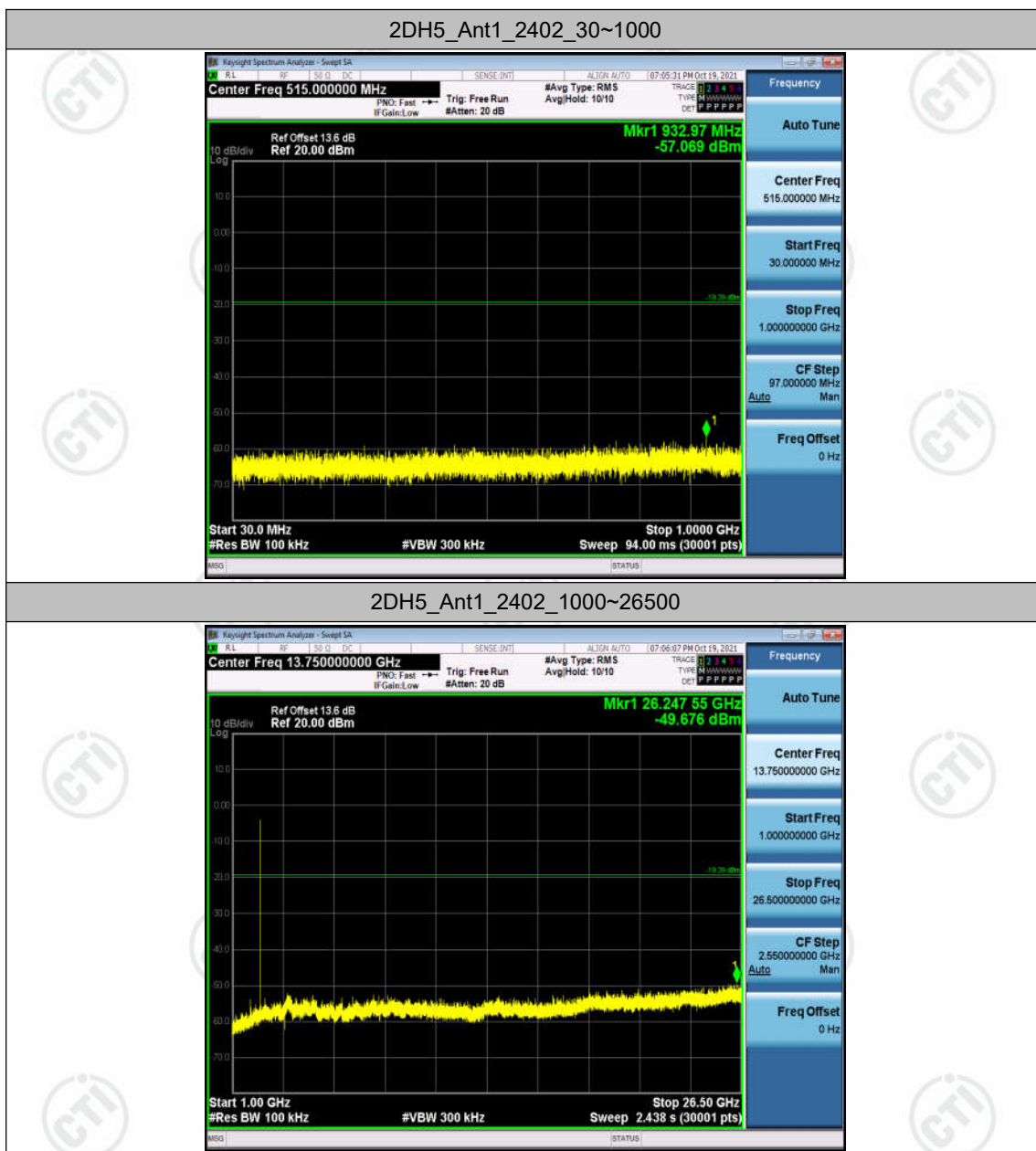


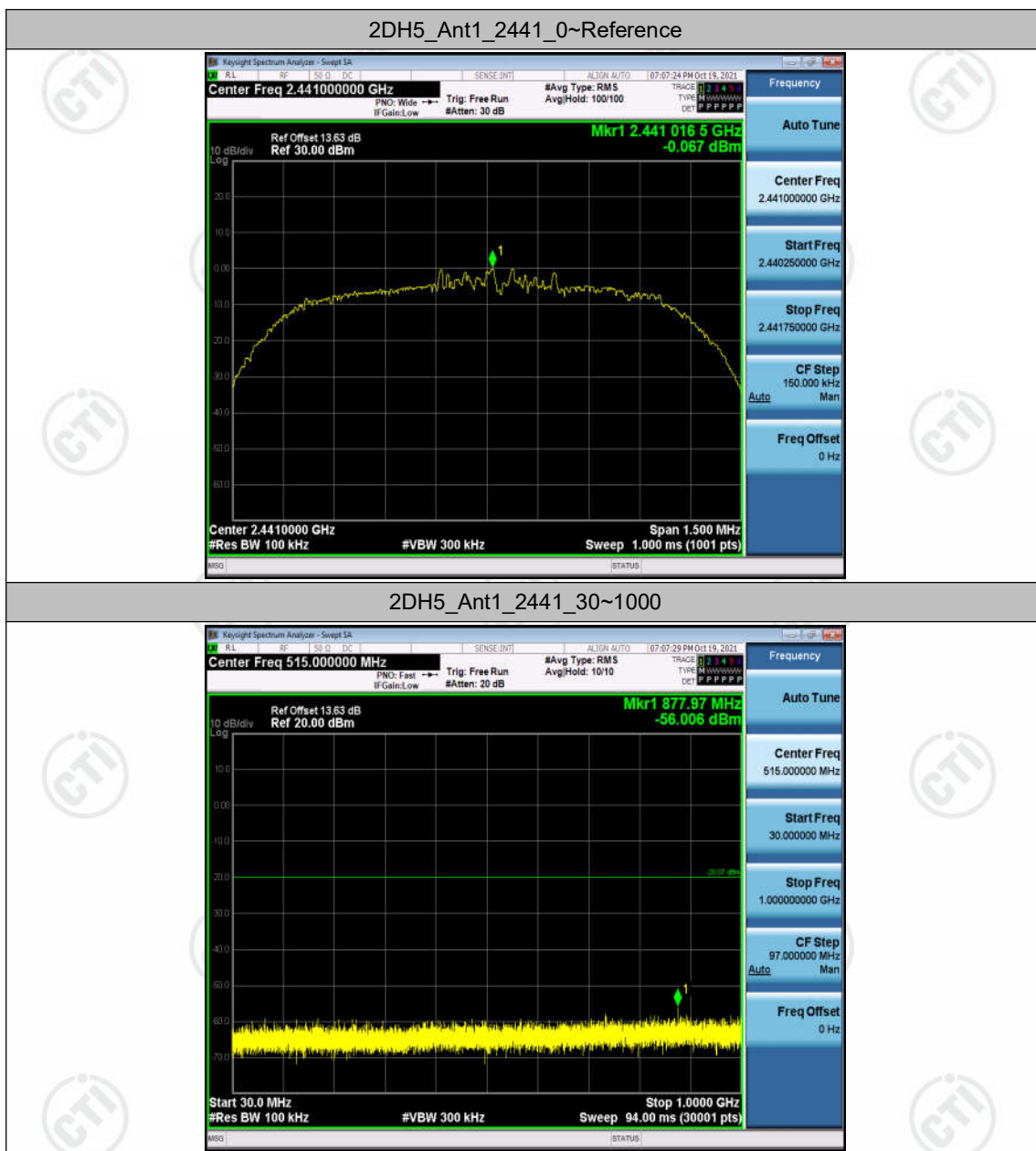


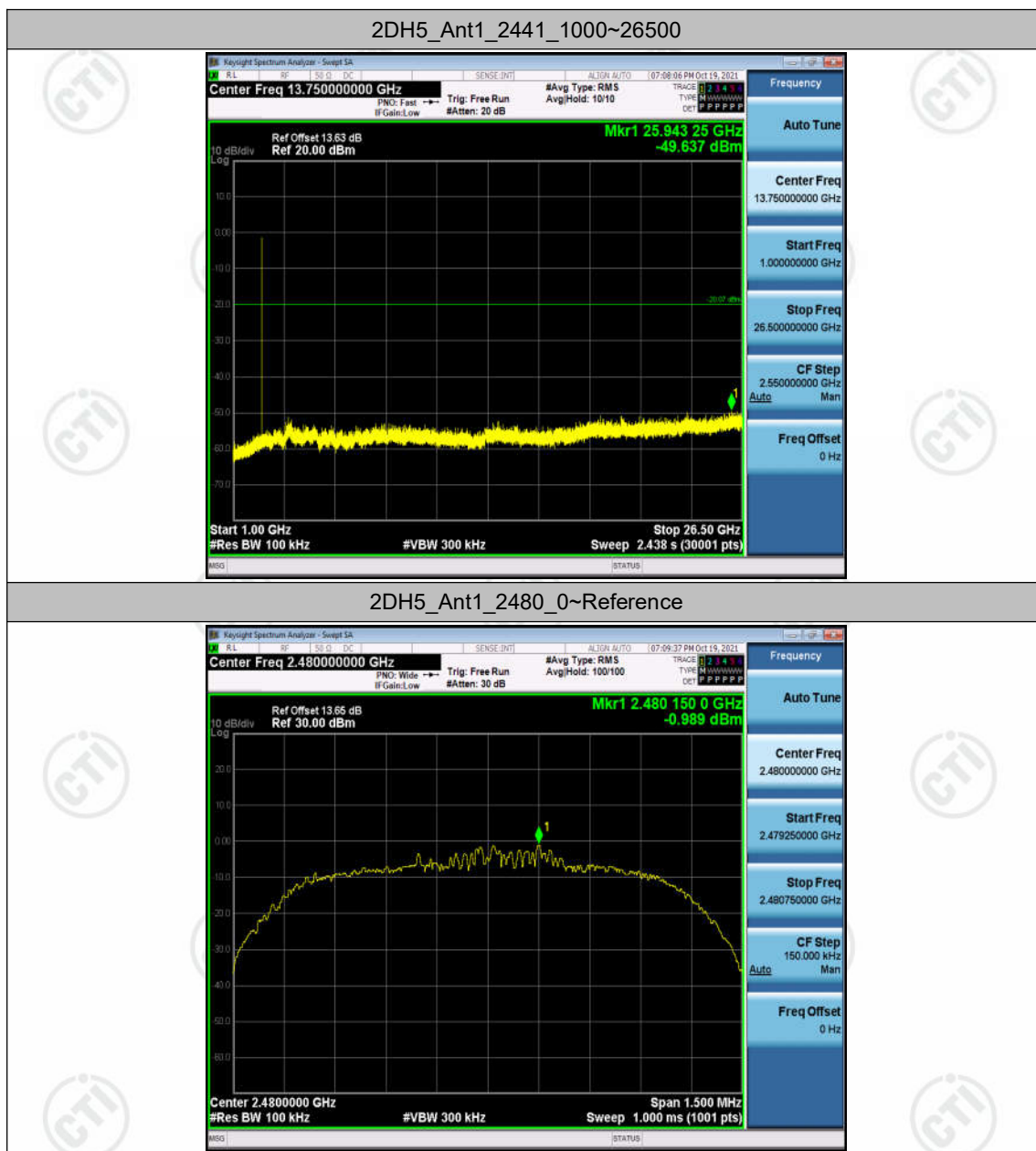


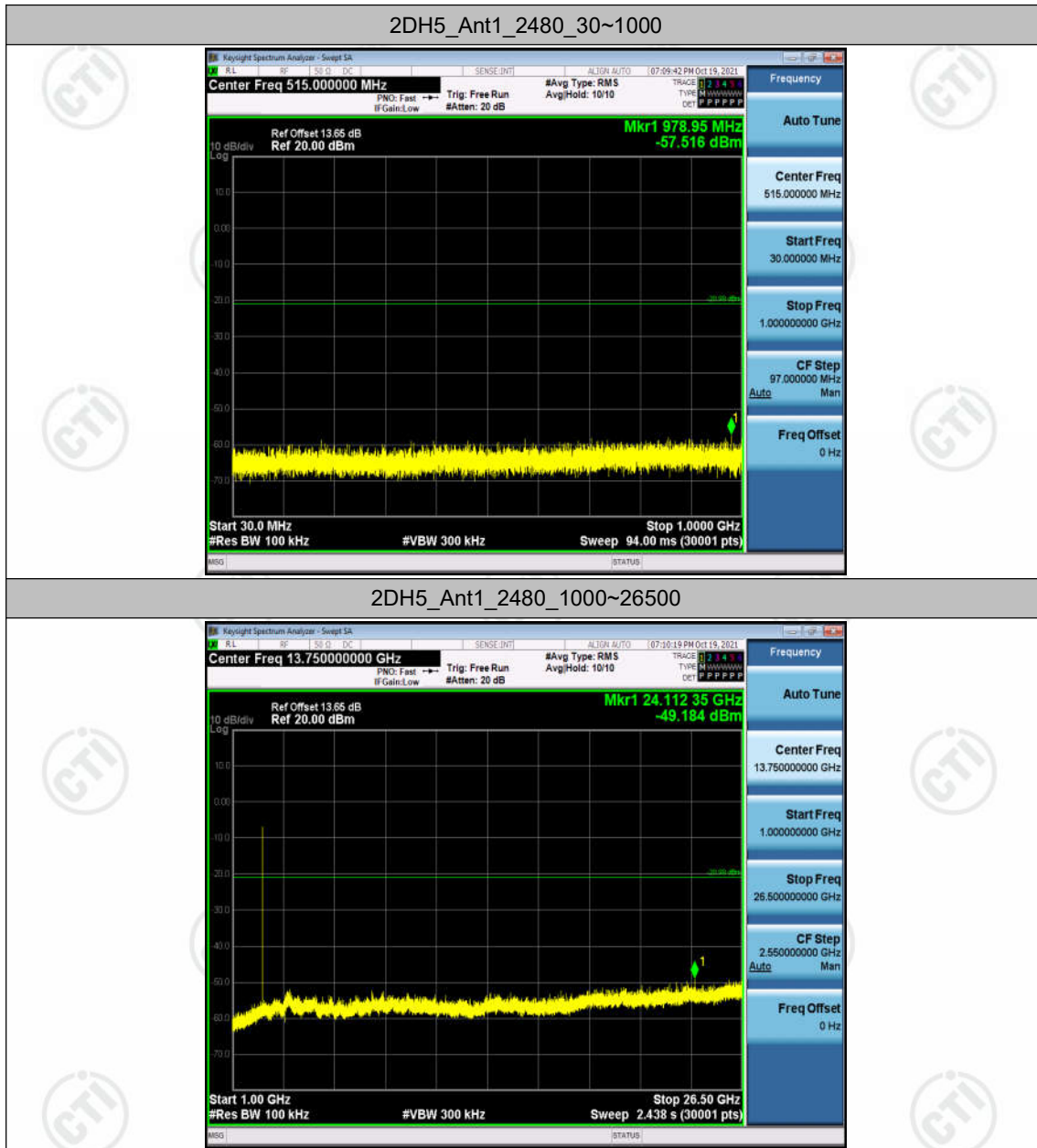


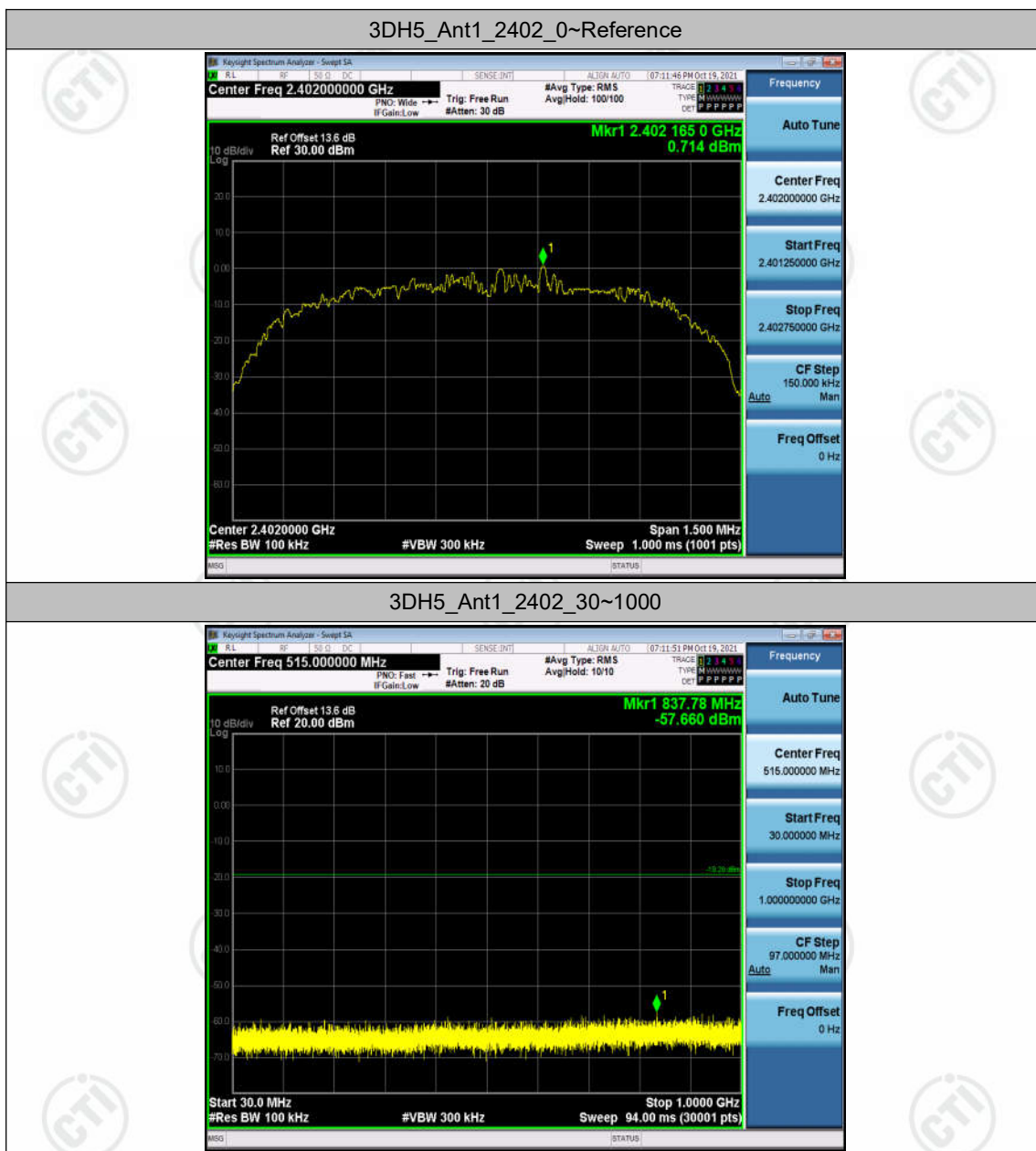


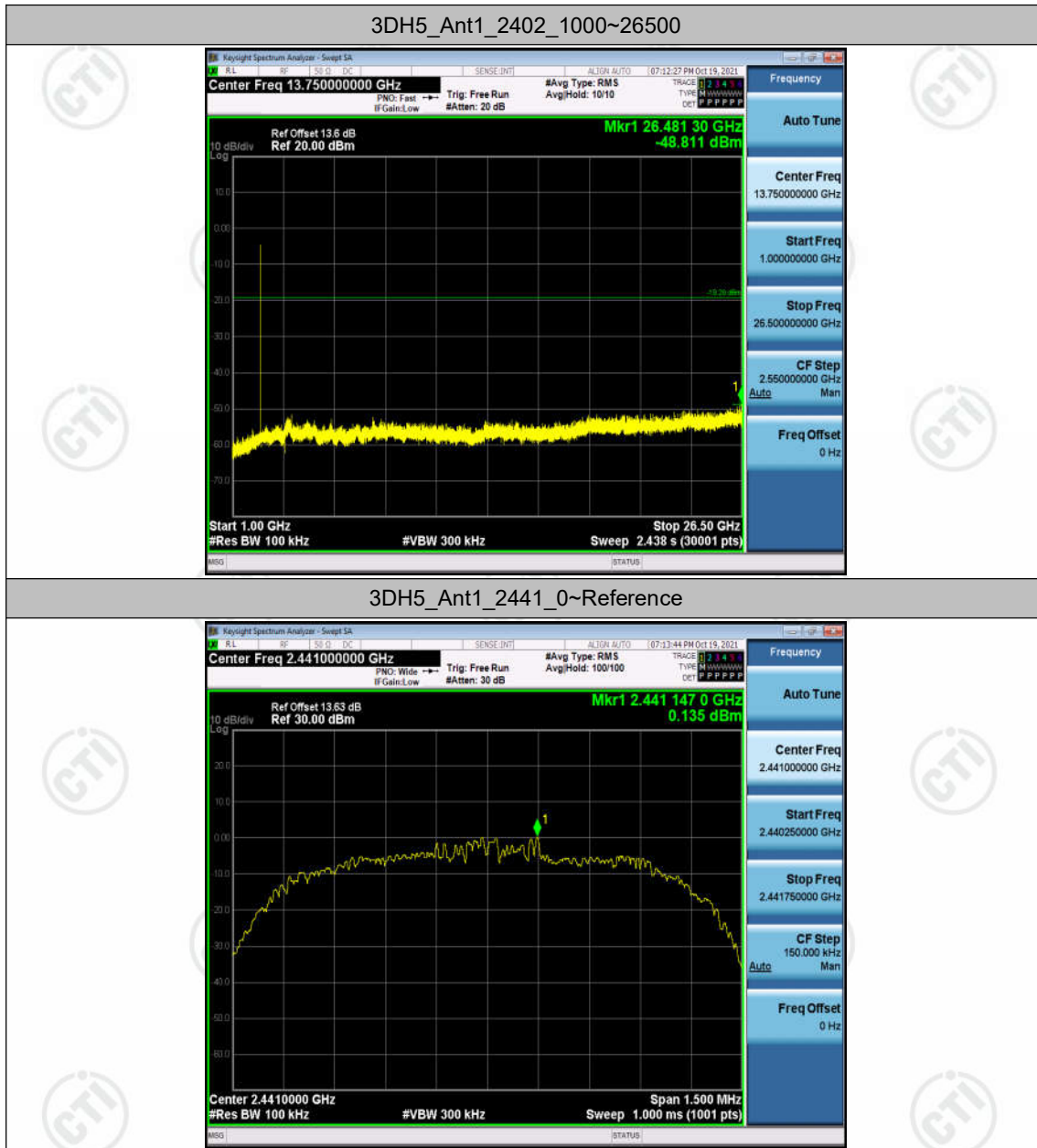


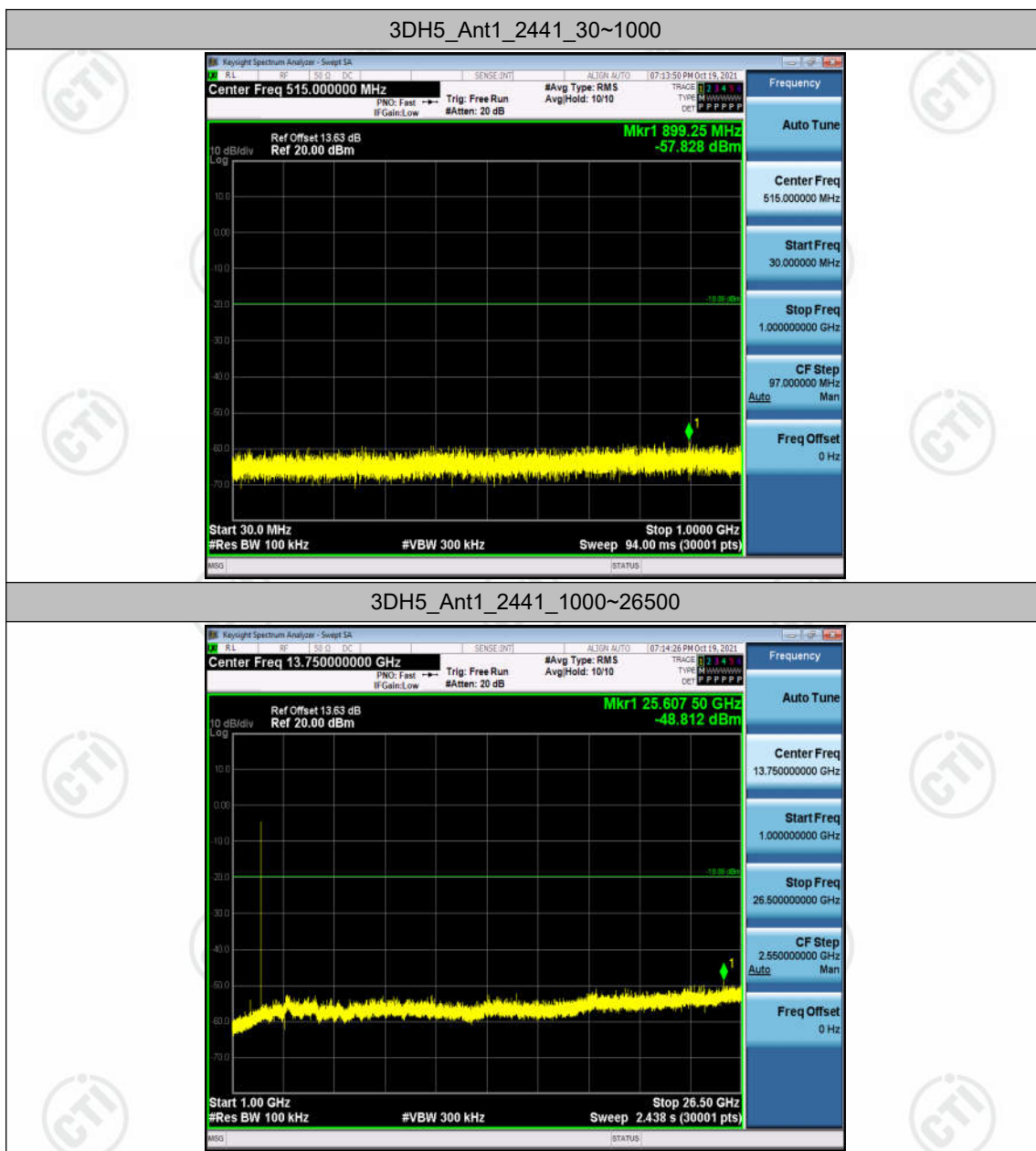


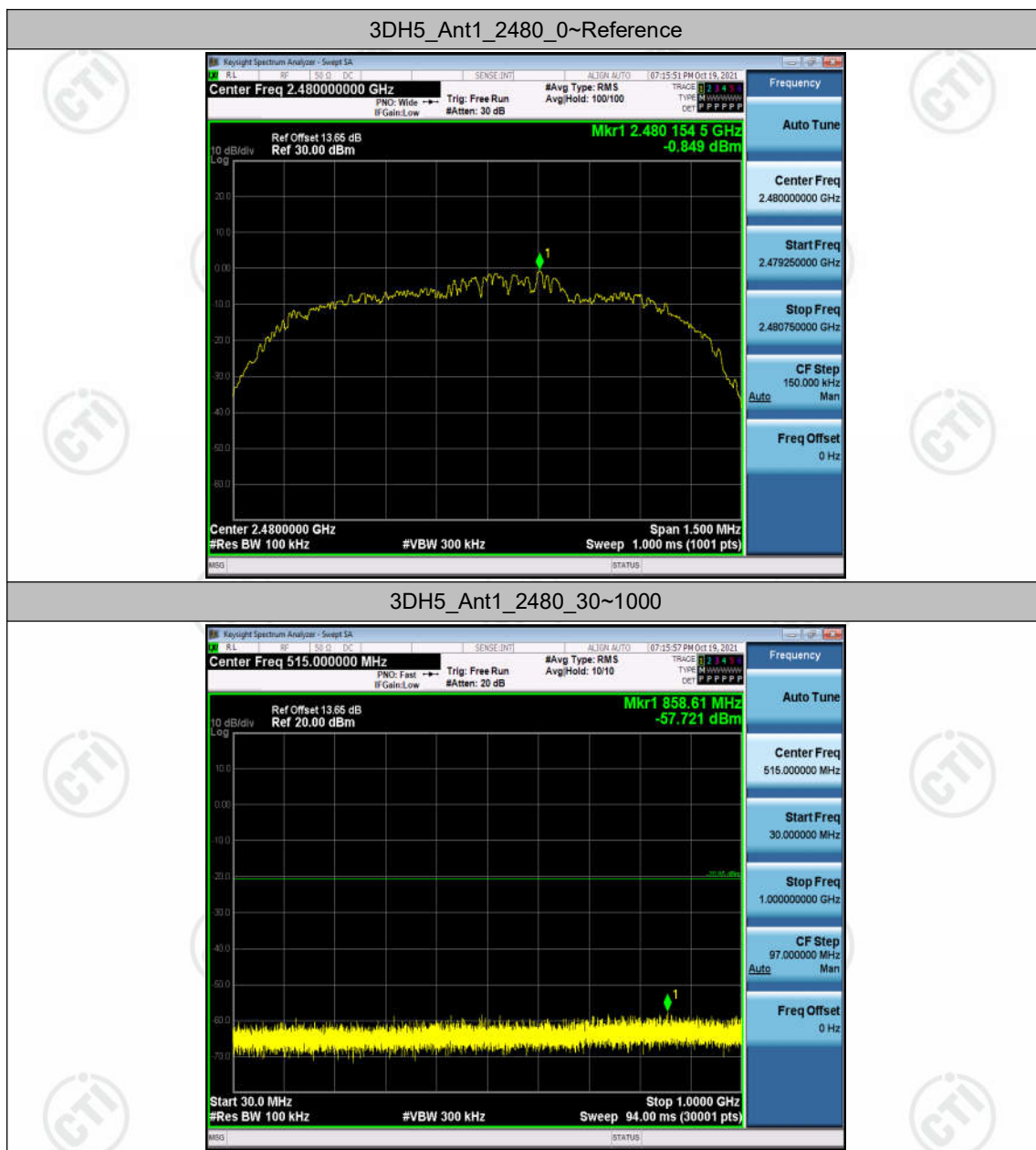


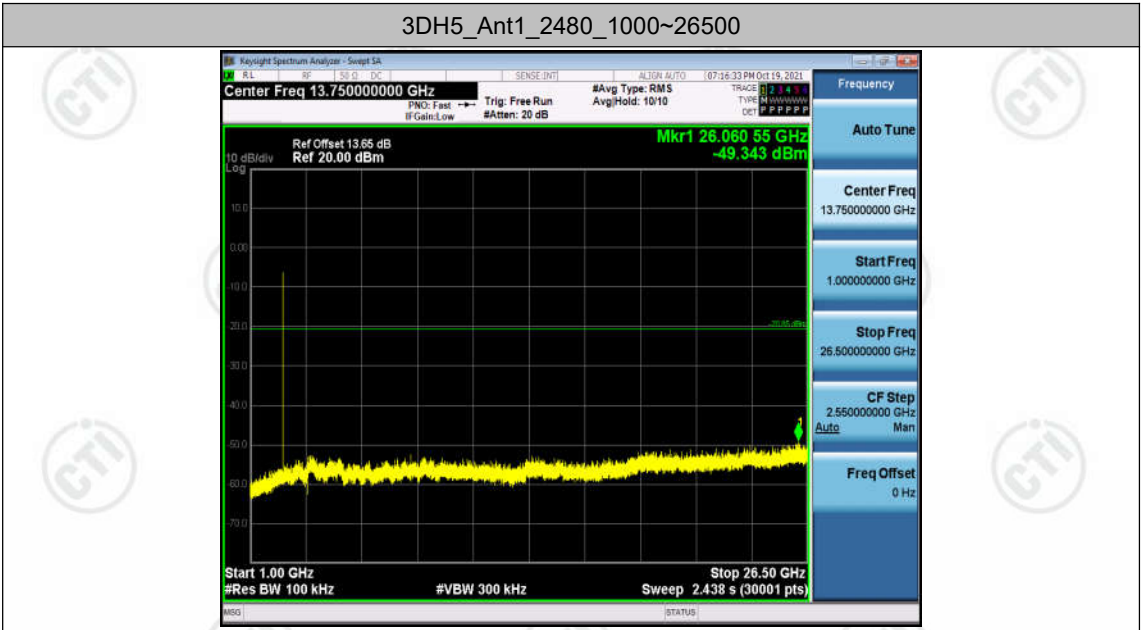












Appendix I: DutyCycle

Test Result

Test Mode	Antenna	Channel	TransmissionDuration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
DH5	Ant1	2402	2.88	5.00	57.61	---	PASS
		2441	2.88	5.00	57.61	---	PASS
		2480	2.88	5.00	57.61	---	PASS
2DH5	Ant1	2402	2.88	5.00	57.66	---	PASS
		2441	2.88	5.00	57.66	---	PASS
		2480	2.88	5.00	57.66	---	PASS
3DH5	Ant1	2402	2.89	5.00	57.73	---	PASS
		2441	2.89	5.00	57.73	---	PASS
		2480	2.89	5.00	57.70	---	PASS

Test Graphs

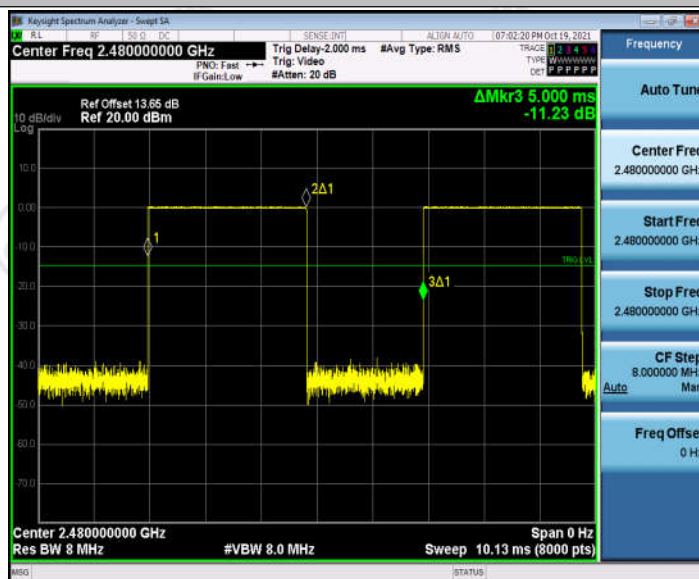
DH5_Ant1_2402



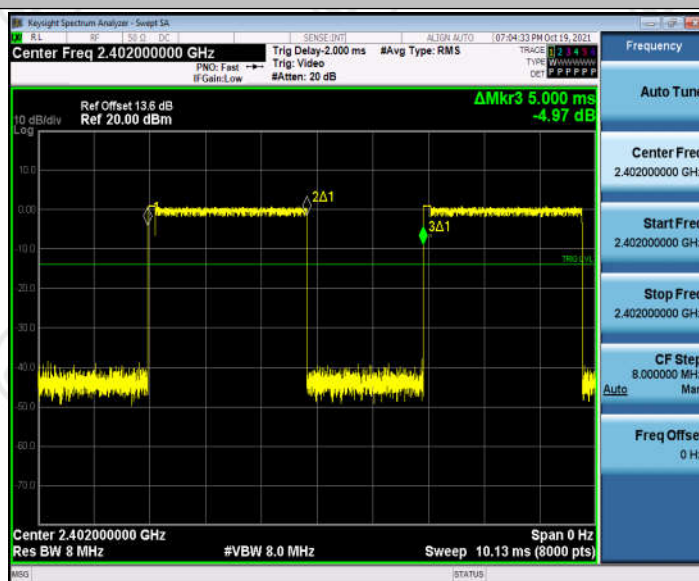
DH5_Ant1_2441

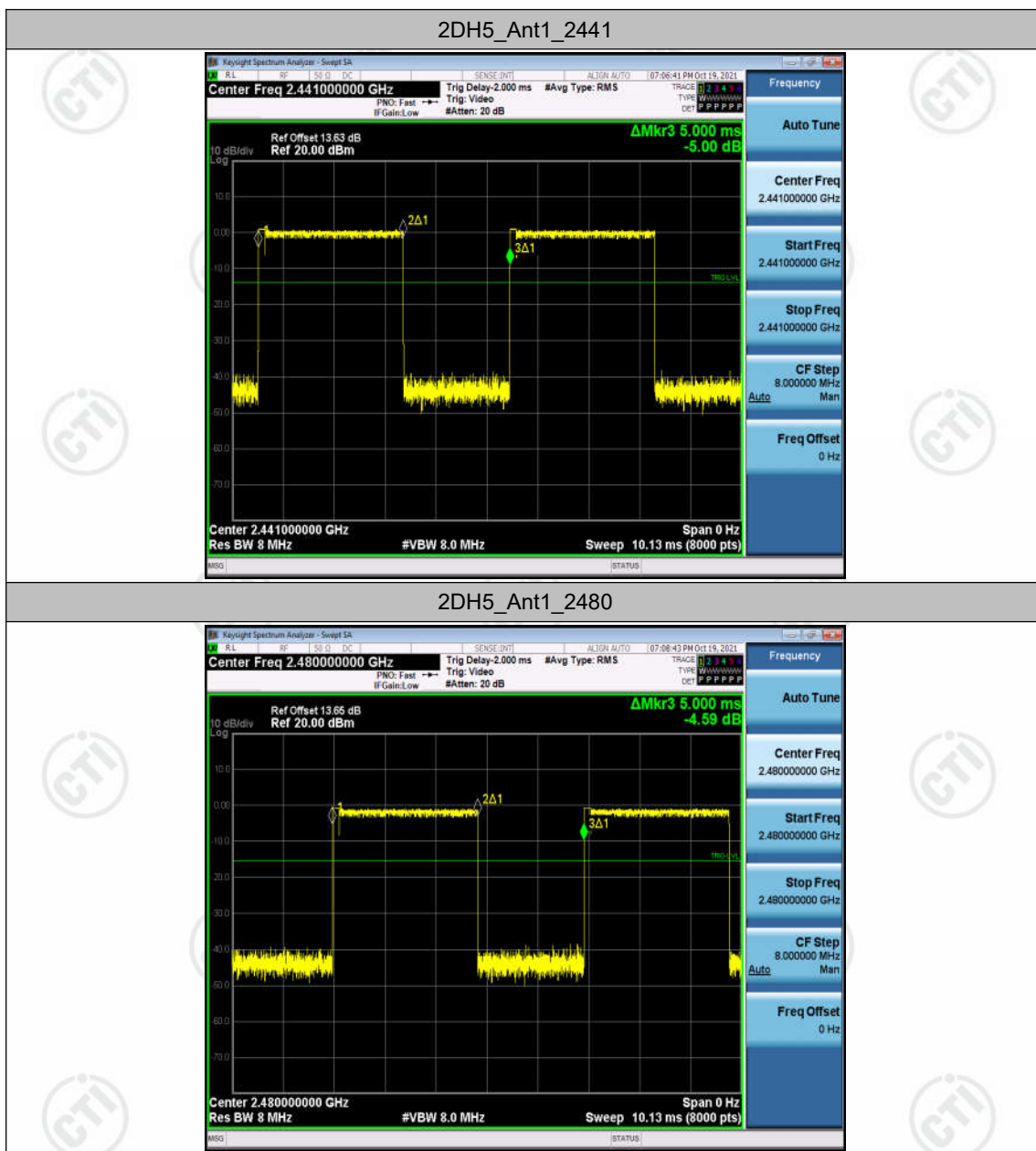


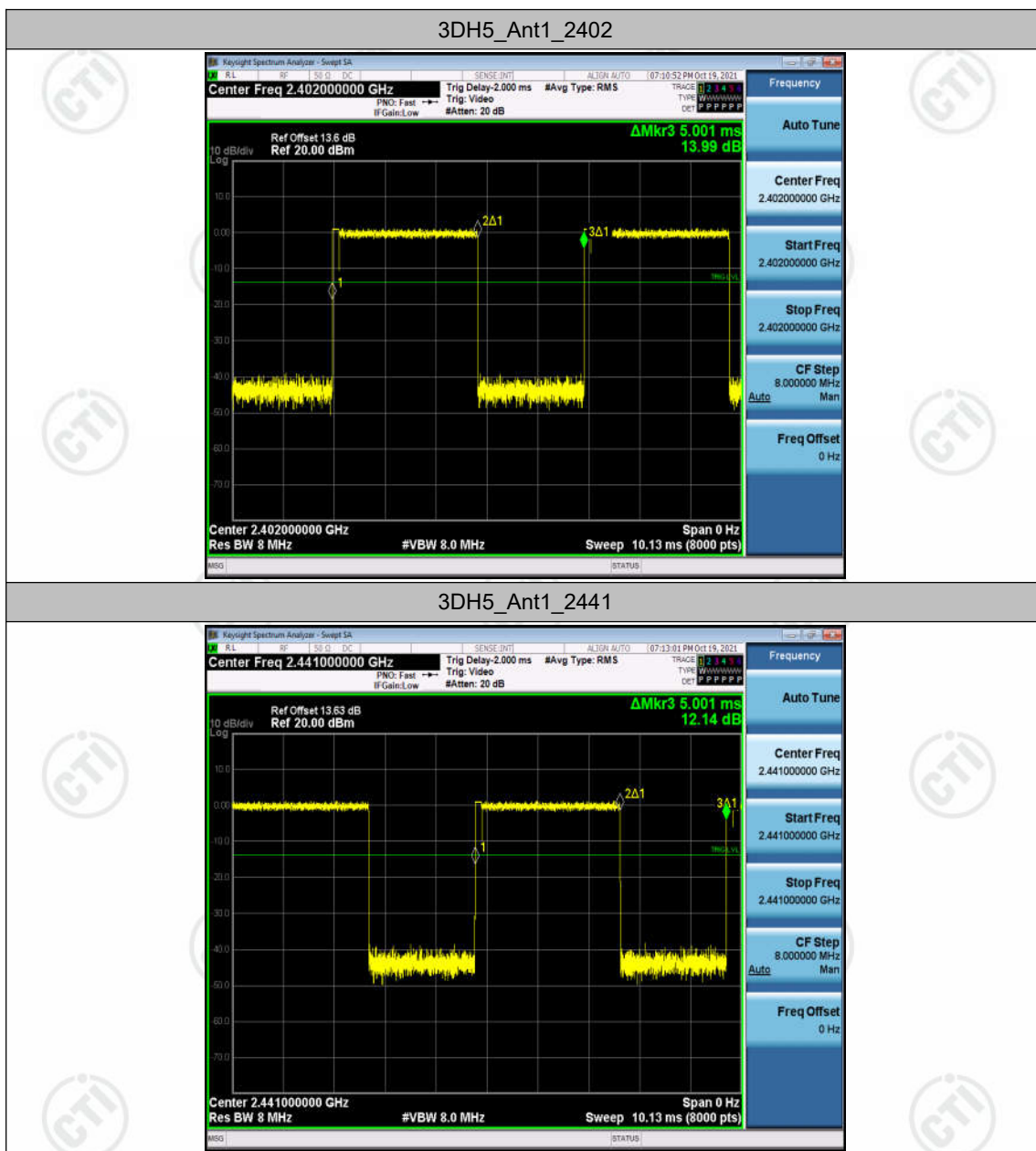
DH5_Ant1_2480



2DH5_Ant1_2402









*** End of Report ***