

Appendix: Bluetooth Classic

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Appendix A: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.954	2401.613	2402.567	---	PASS
		2441	0.954	2440.613	2441.567	---	PASS
		2480	0.954	2479.616	2480.570	---	PASS
2DH5	Ant1	2402	1.290	2401.448	2402.738	---	PASS
		2441	1.293	2440.448	2441.741	---	PASS
		2480	1.290	2479.451	2480.741	---	PASS

Test Graphs





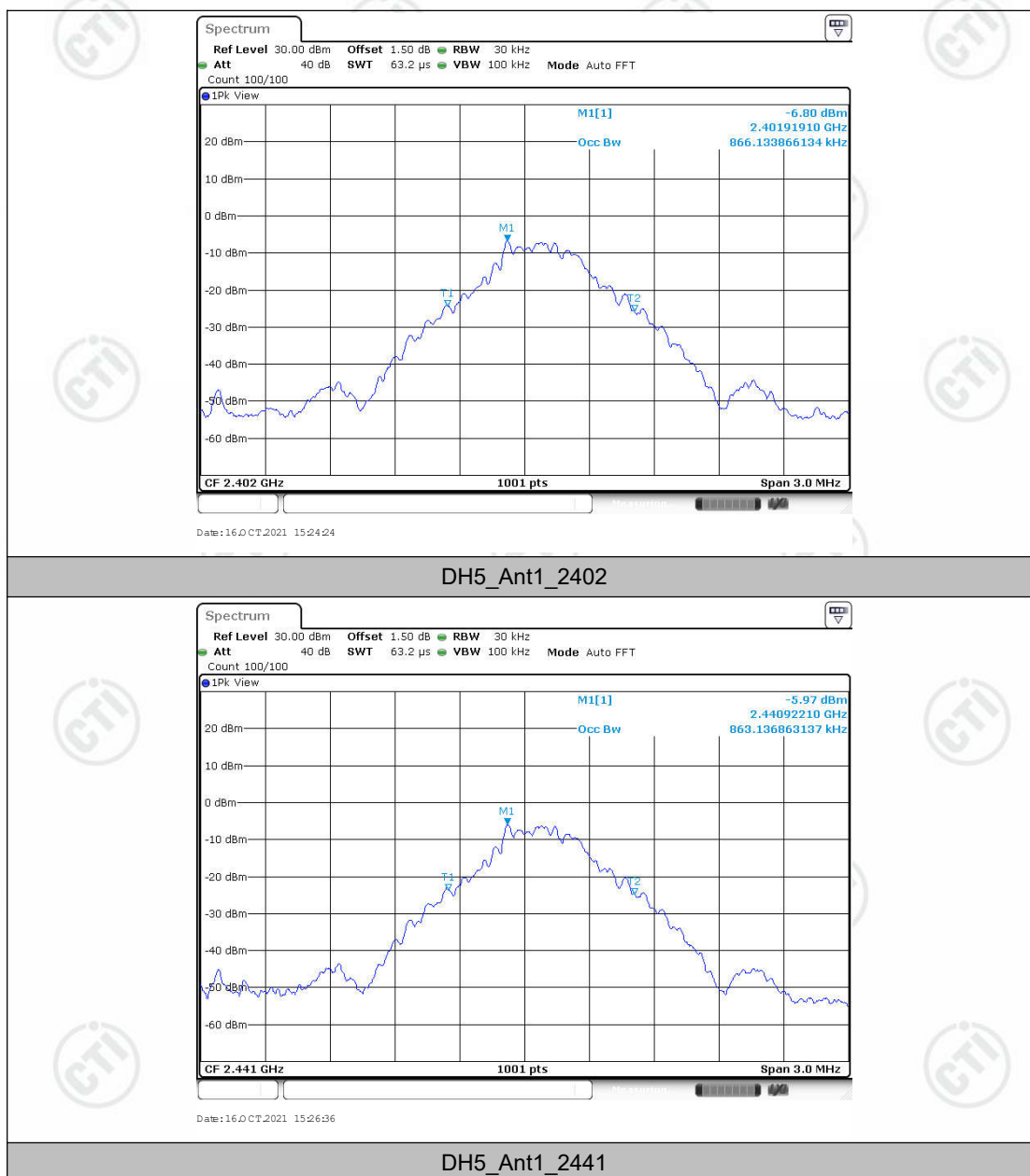


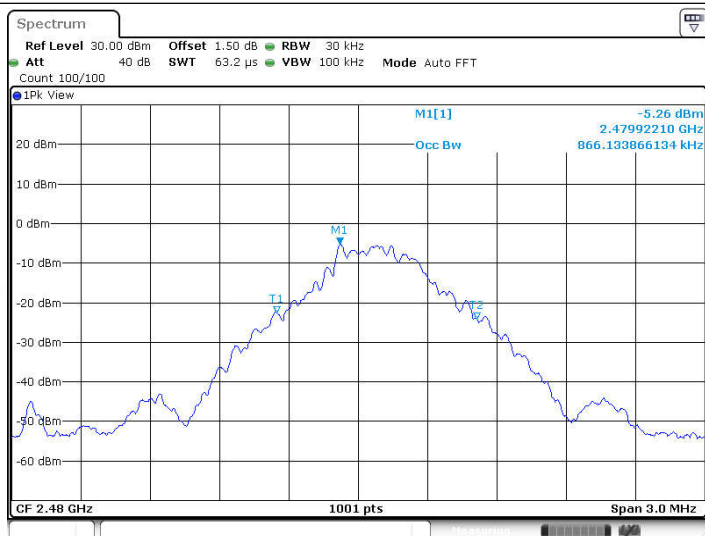
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.866	2401.643	2402.509	---	PASS
		2441	0.863	2440.646	2441.509	---	PASS
		2480	0.866	2479.646	2480.512	---	PASS
2DH5	Ant1	2402	1.172	2401.494	2402.665	---	PASS
		2441	1.175	2440.494	2441.668	---	PASS
		2480	1.172	2479.497	2480.668	---	PASS

Test Graphs

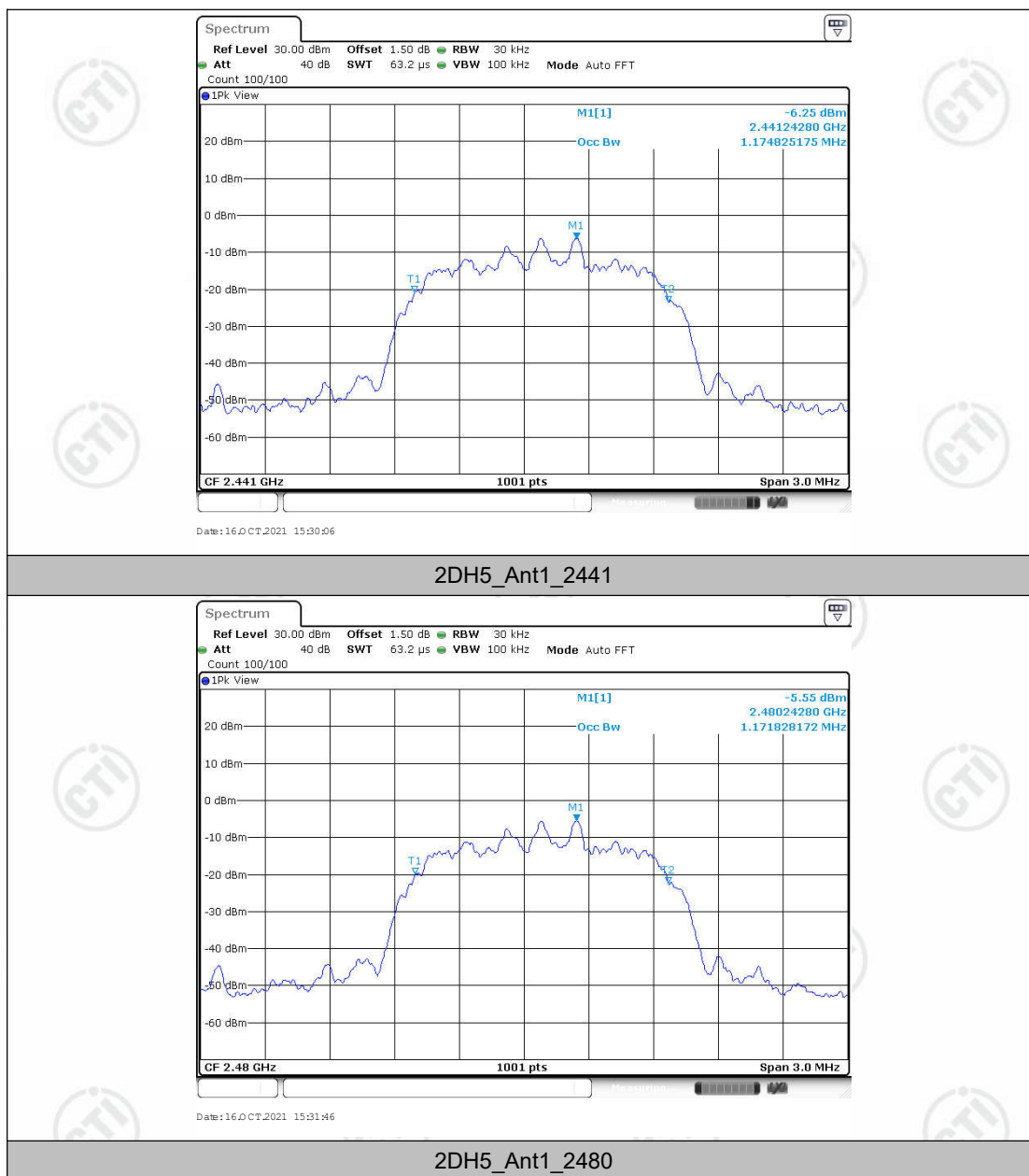




DH5_Ant1_2480



2DH5_Ant1_2402

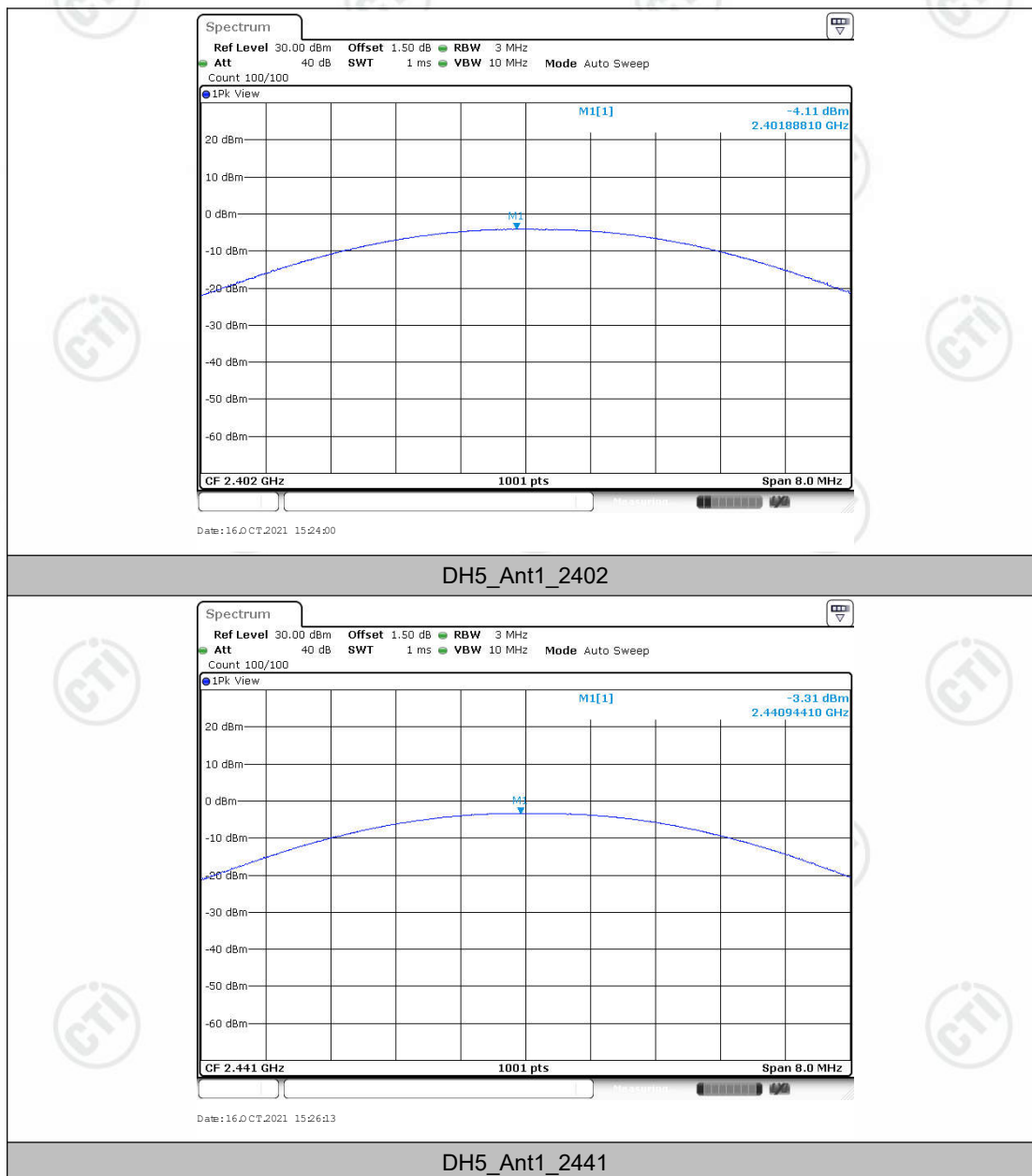


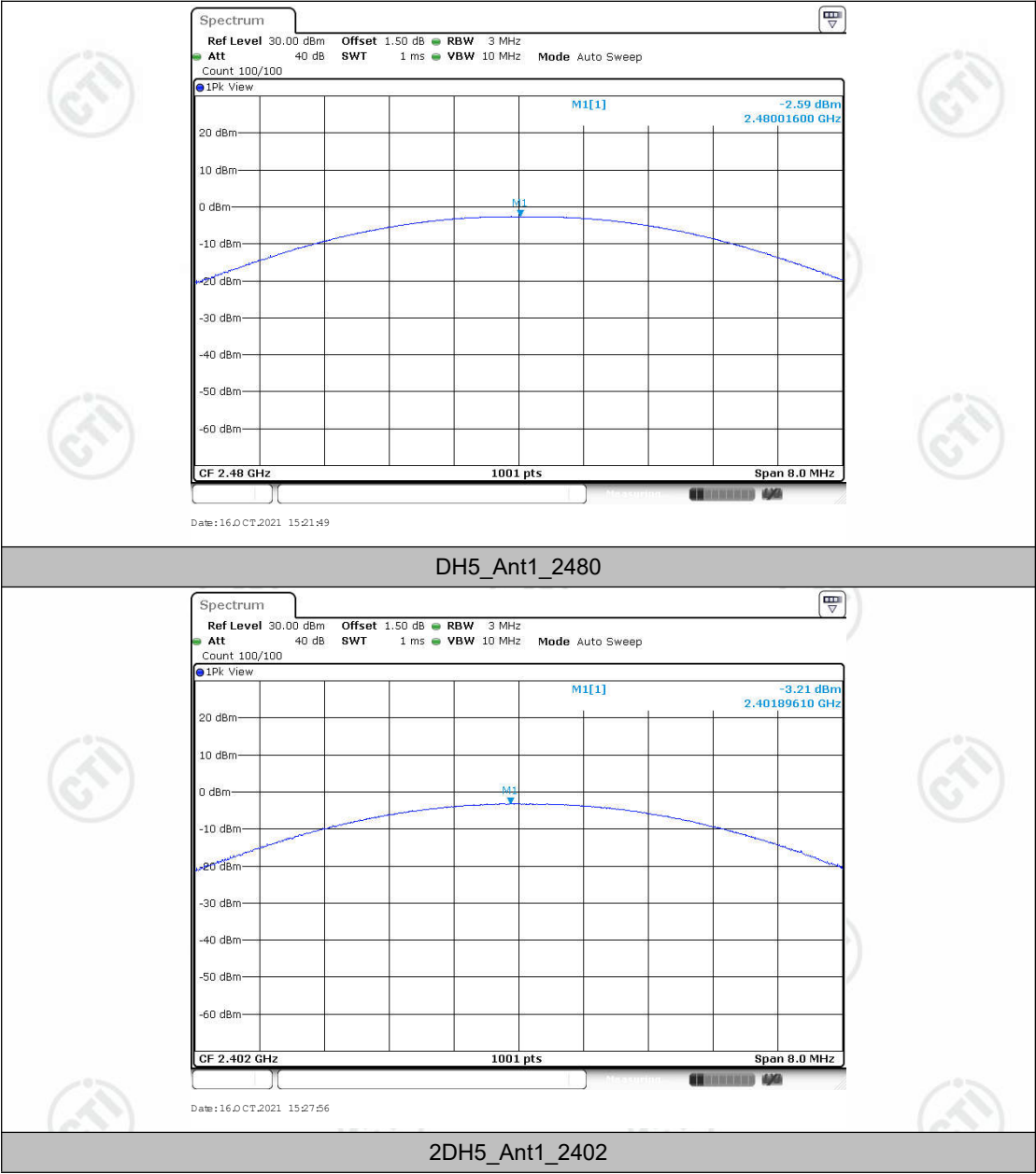
Appendix C: Maximum conducted output power

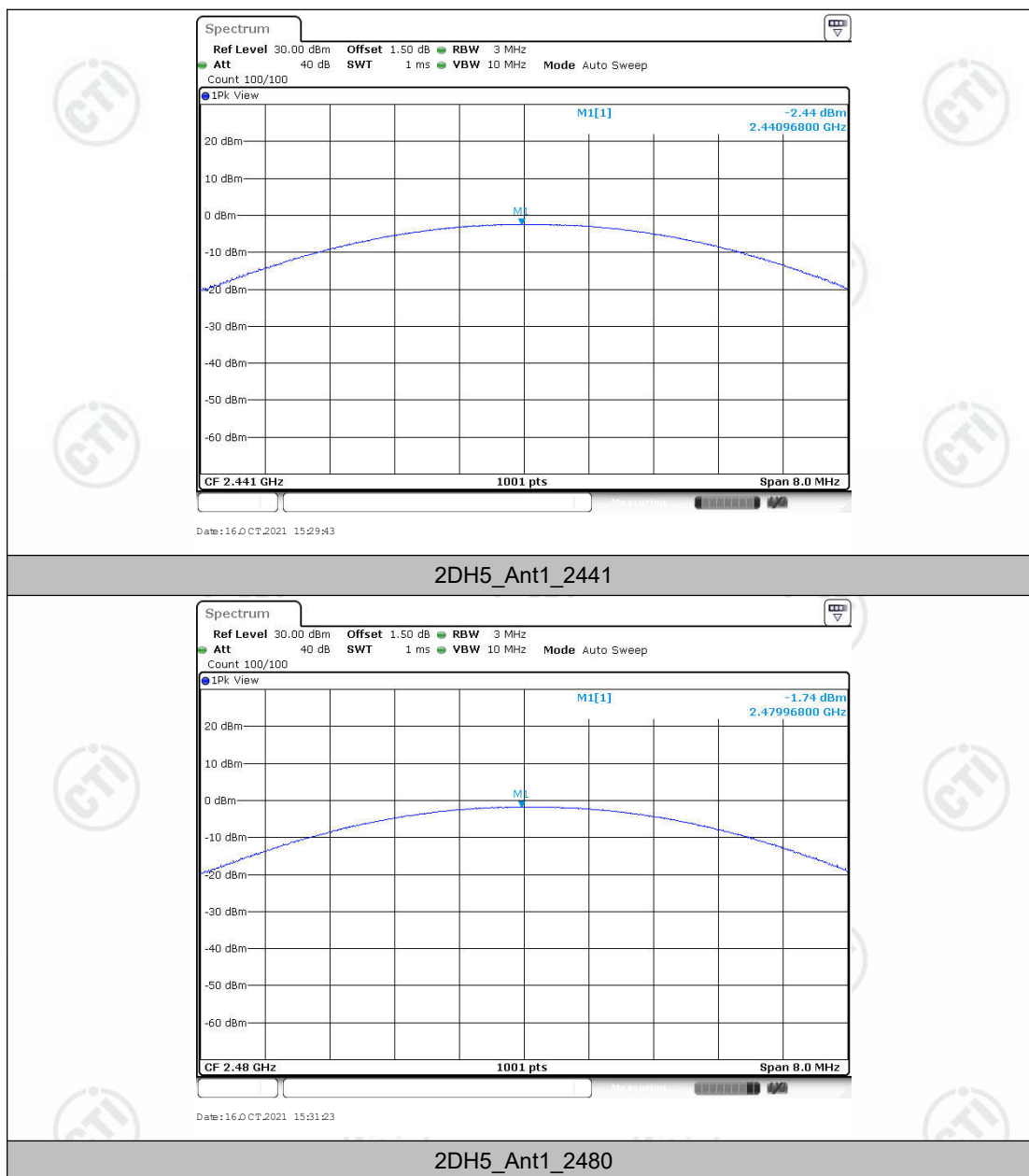
Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-4.11	<=20.97	PASS
		2441	-3.31	<=20.97	PASS
		2480	-2.59	<=20.97	PASS
2DH5	Ant1	2402	-3.21	<=30	PASS
		2441	-2.44	<=20.97	PASS
		2480	-1.74	<=20.97	PASS

Test Graphs







Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.006	>=0.954	PASS
2DH5	Ant1	Hop	1	>=0.862	PASS

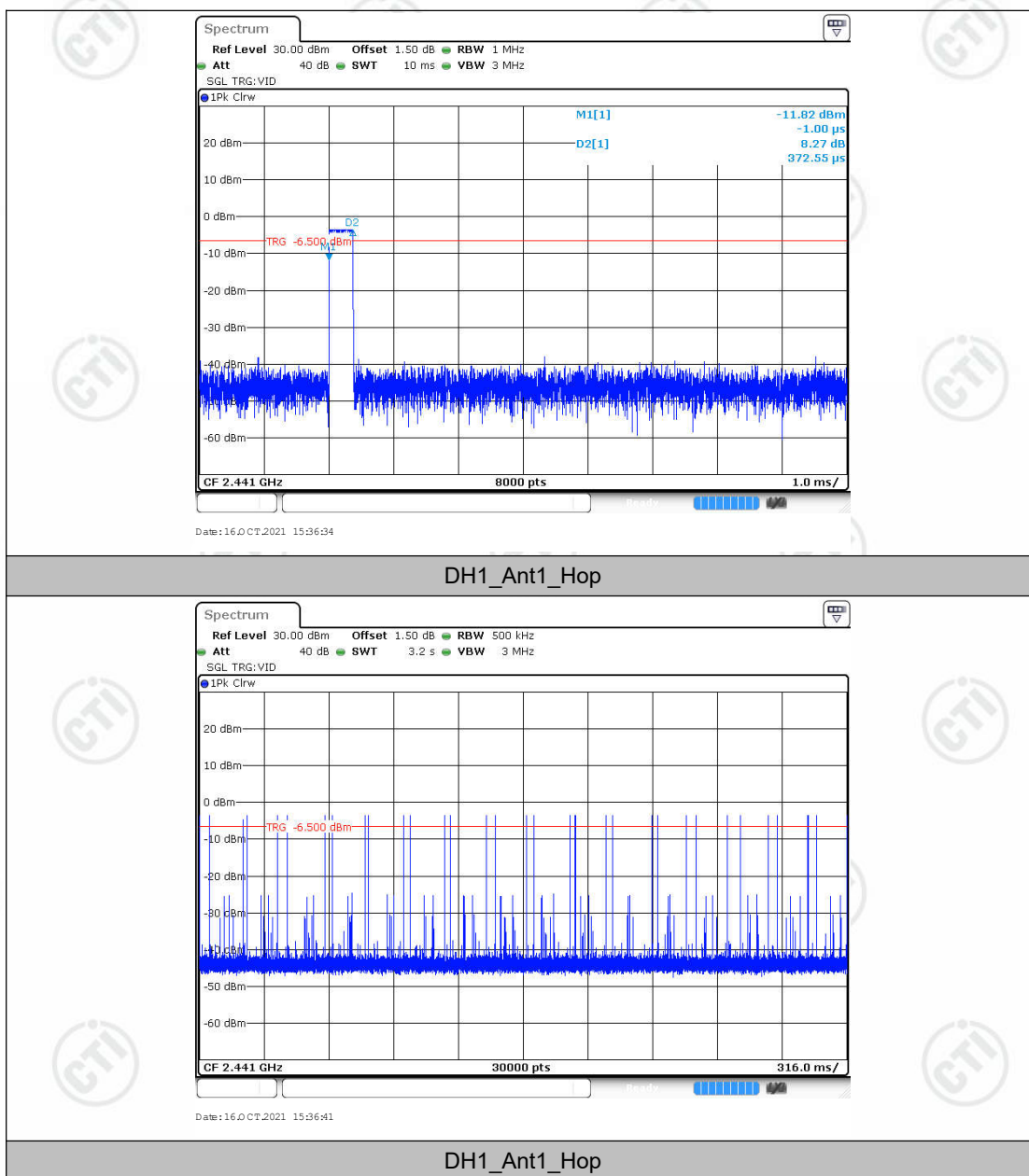
Test Graphs

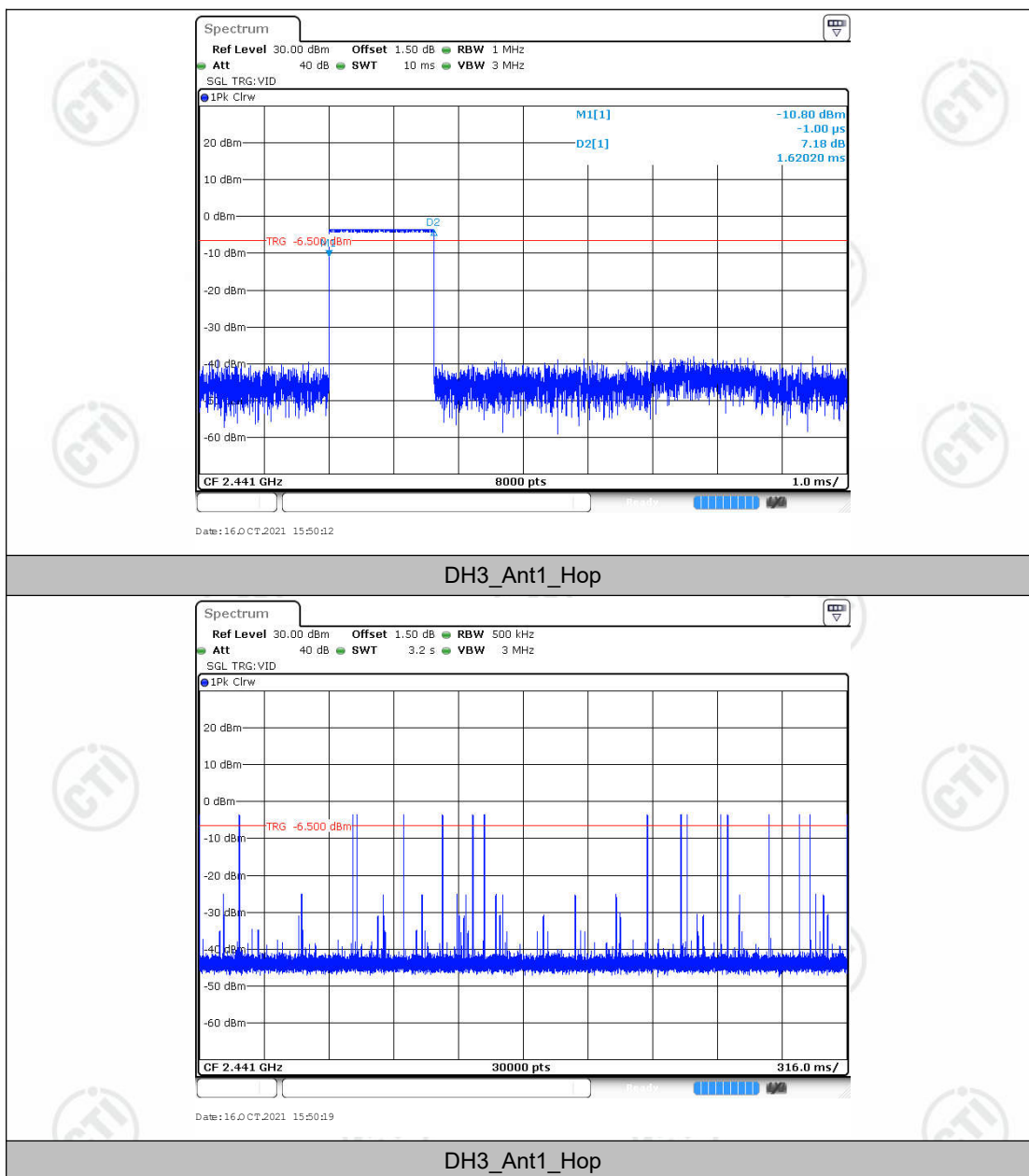


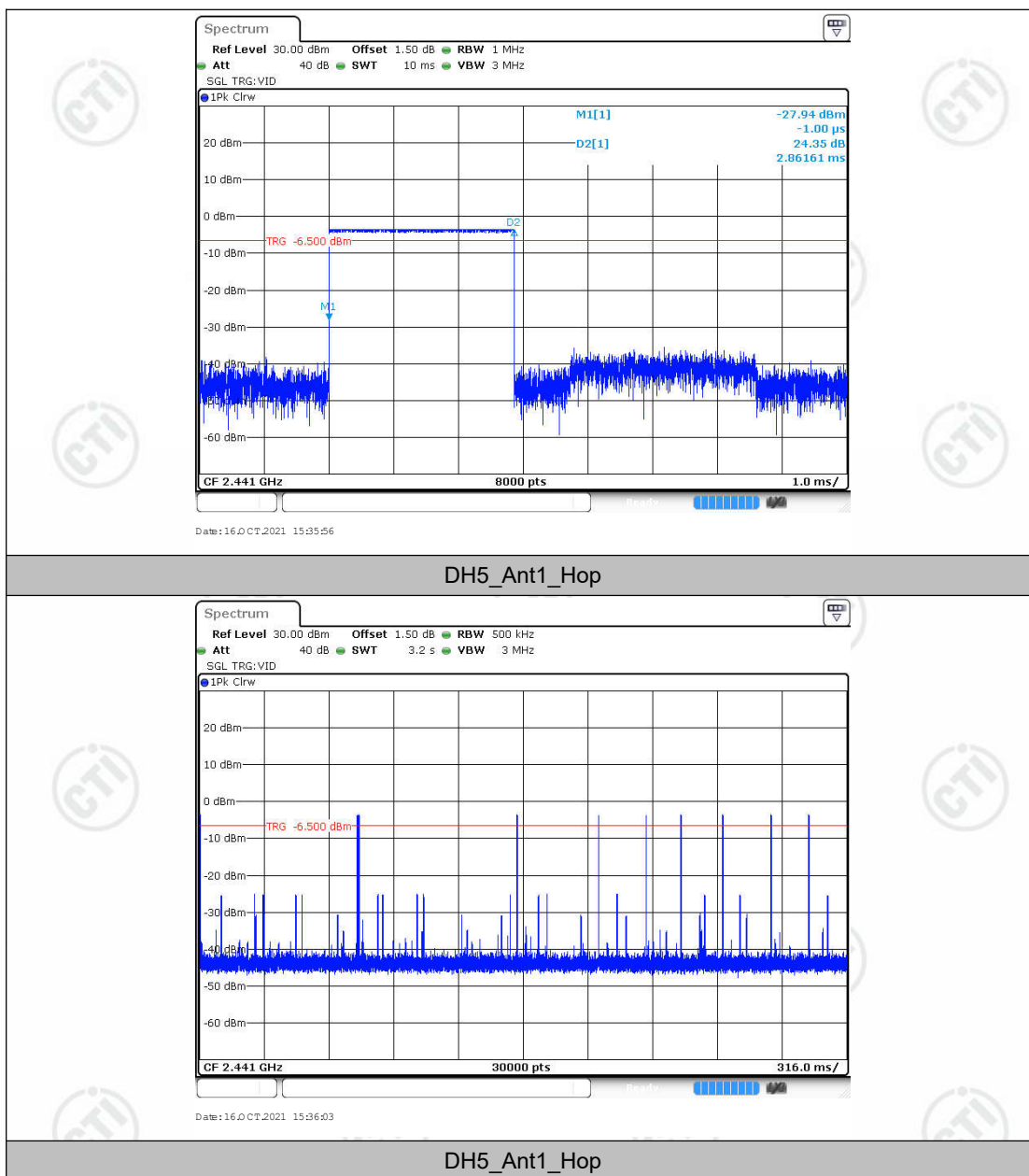
Appendix E: Time of occupancy**Test Result**

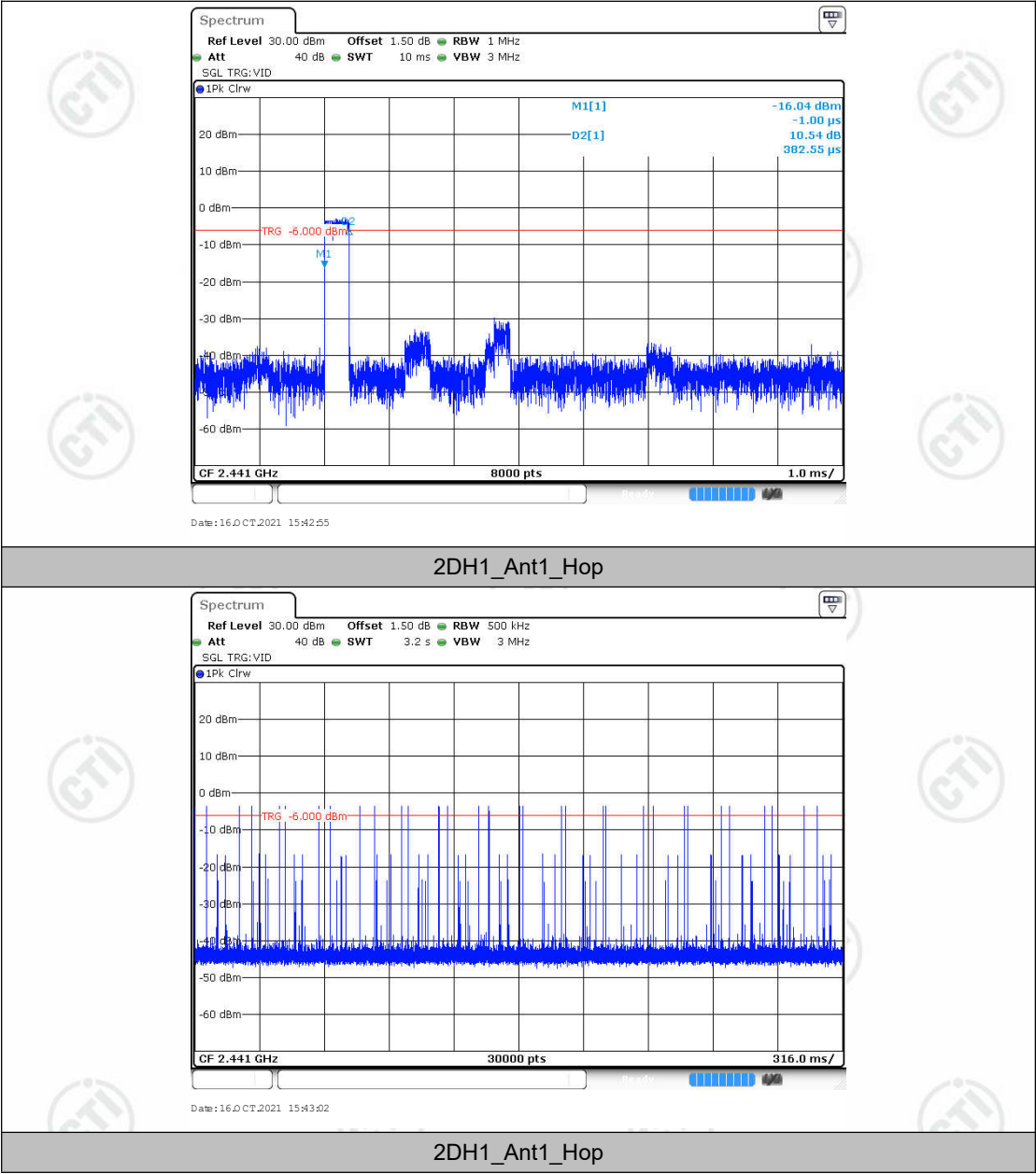
Test Mode	Antenna	Channel	Burst Width [ms]	Total Hops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	320	0.119	≤ 0.4	PASS
DH3	Ant1	Hop	1.62	160	0.259	≤ 0.4	PASS
DH5	Ant1	Hop	2.86	100	0.286	≤ 0.4	PASS
2DH1	Ant1	Hop	0.38	320	0.122	≤ 0.4	PASS
2DH3	Ant1	Hop	1.63	160	0.26	≤ 0.4	PASS
2DH5	Ant1	Hop	2.87	100	0.287	≤ 0.4	PASS

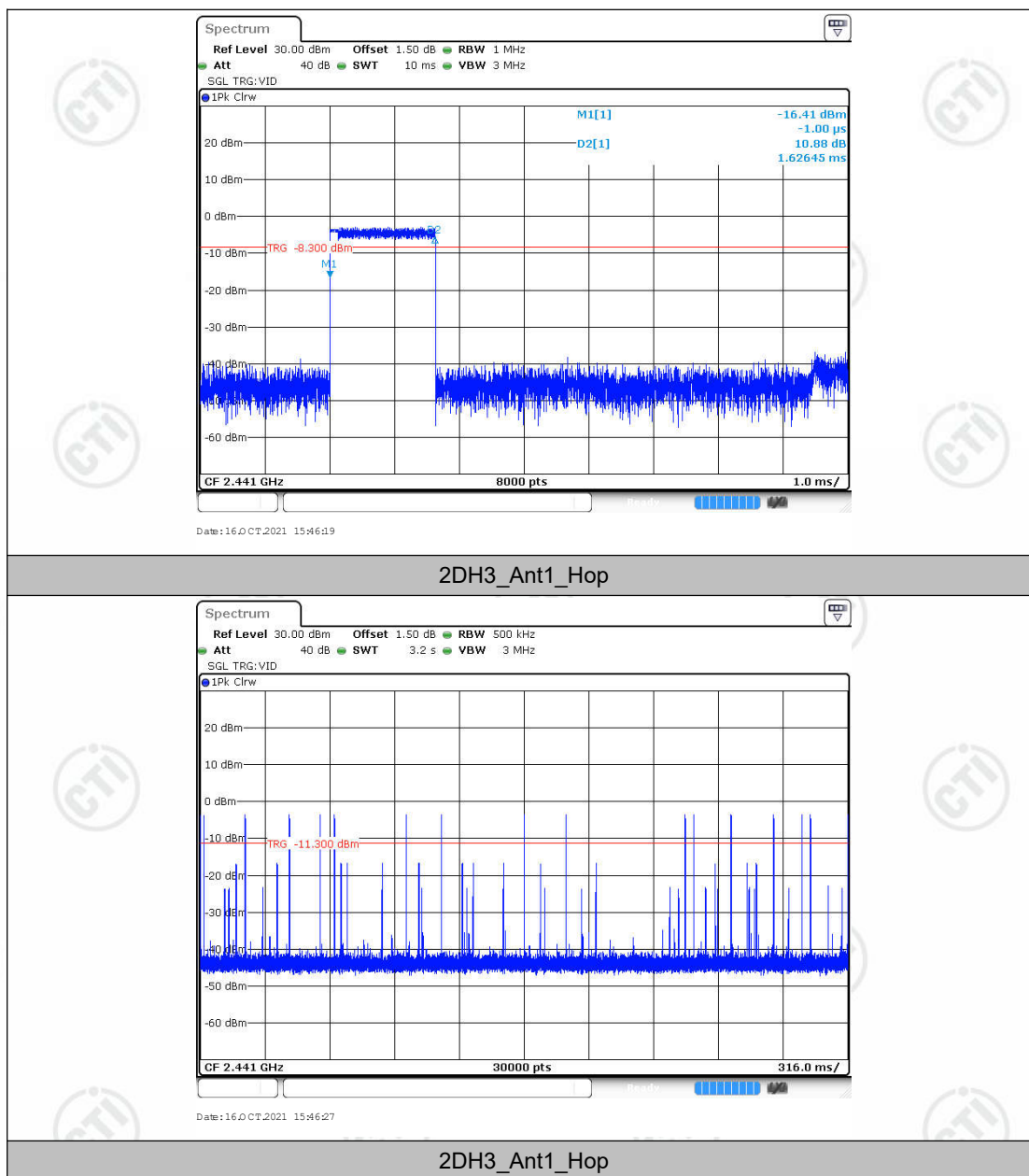
Test Graphs

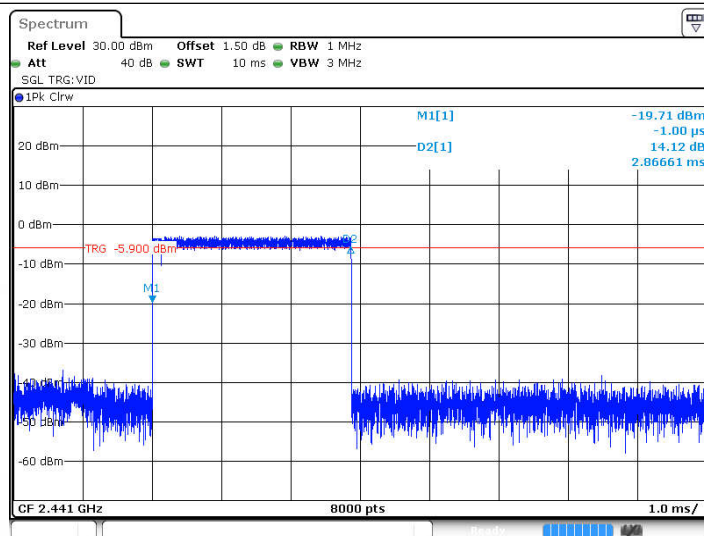




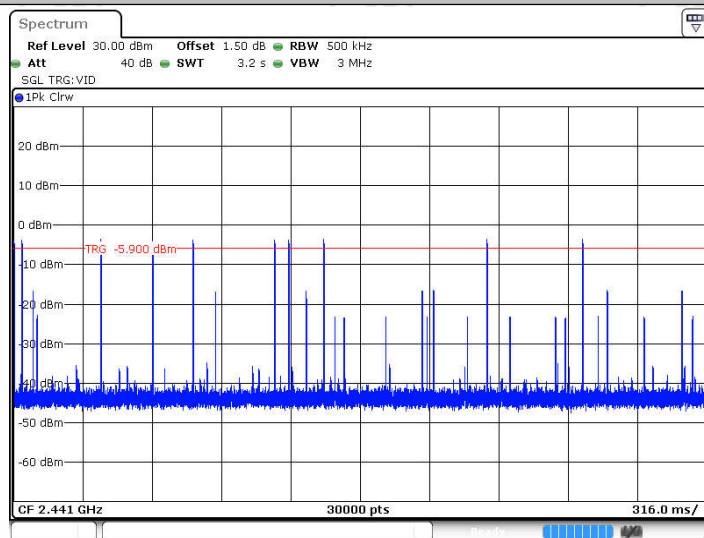








2DH5_Ant1_Hop

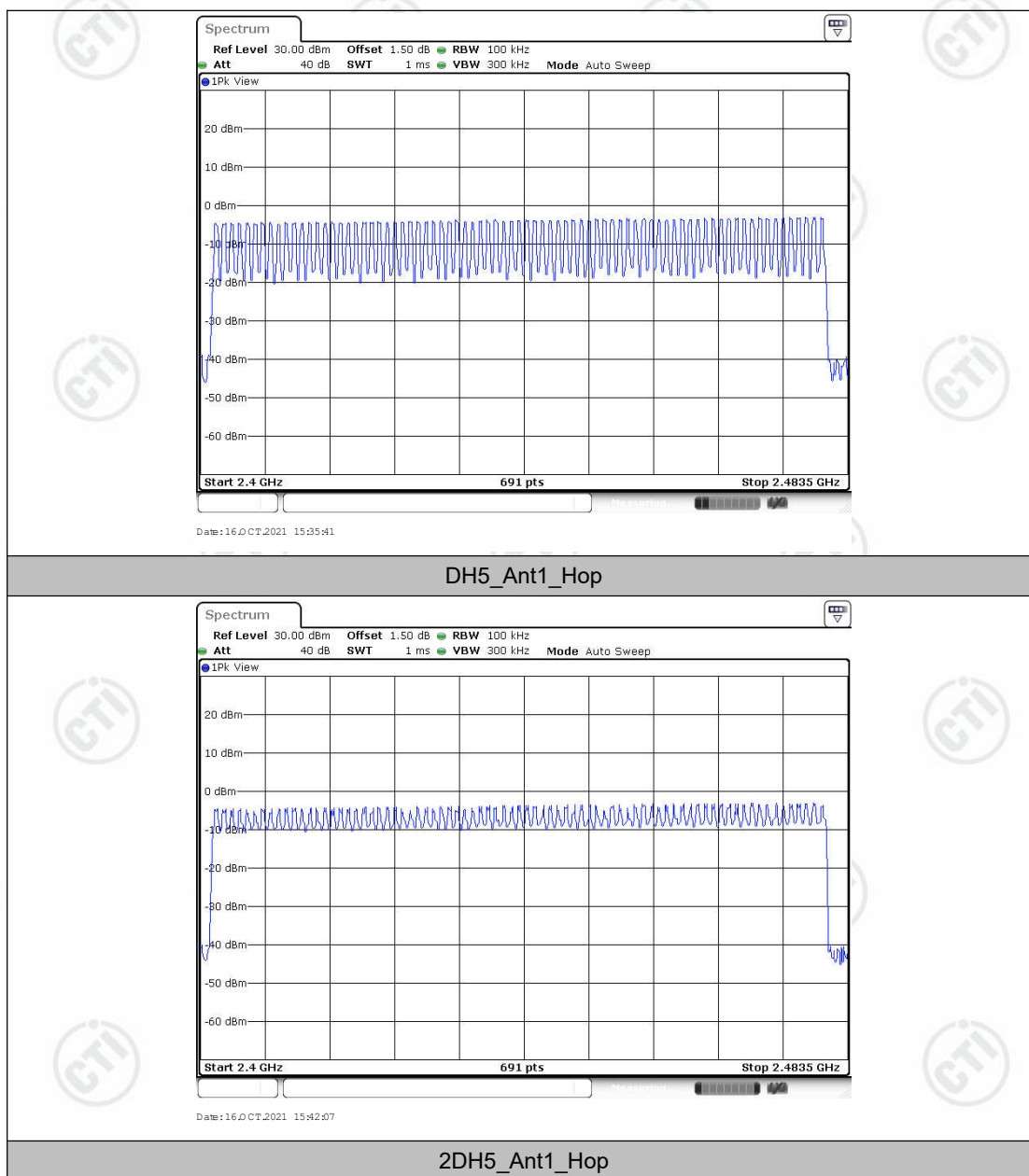


2DH5_Ant1_Hop

Appendix F: 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

Test Graphs

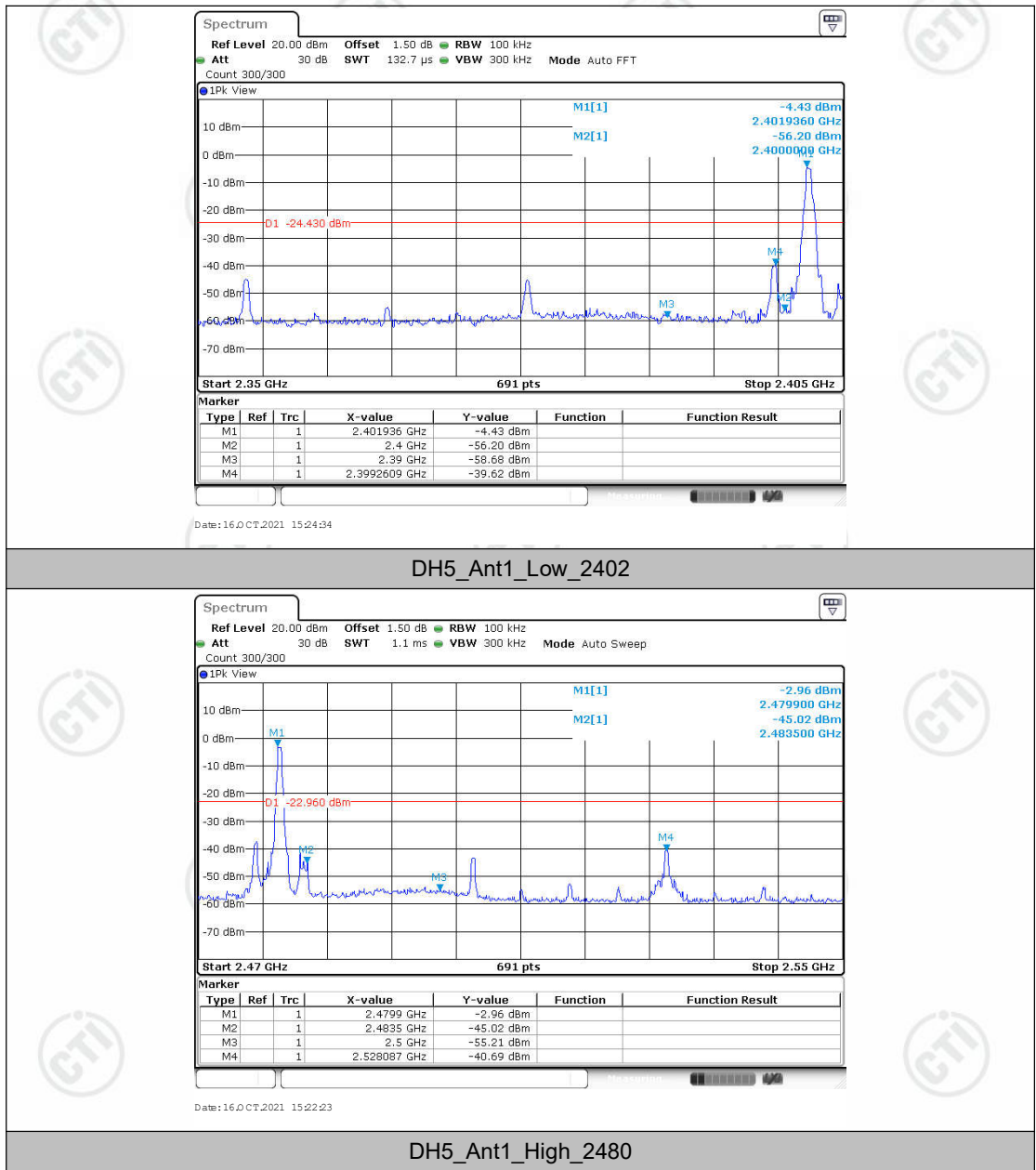


Appendix G: Band edge measurements

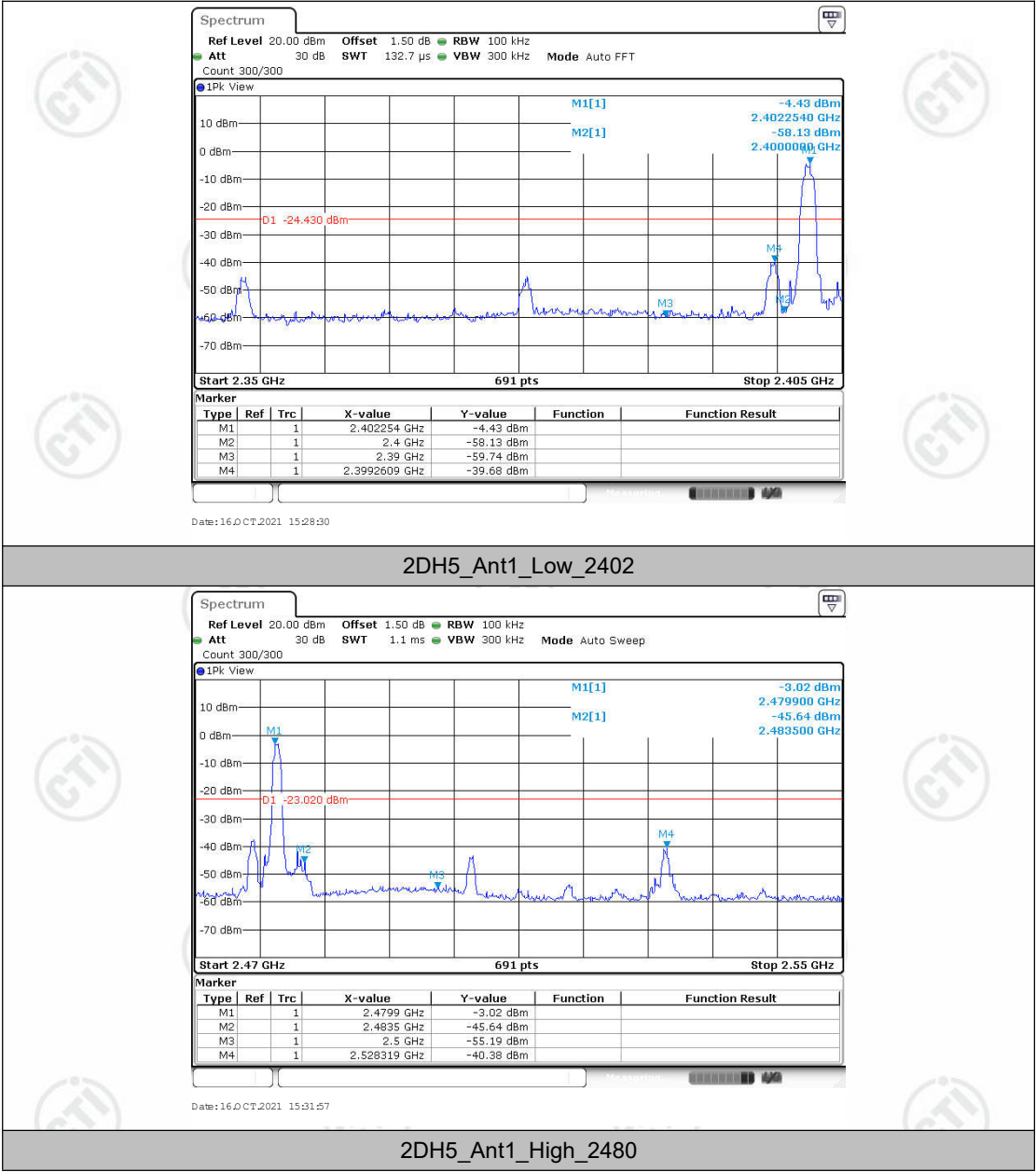
Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-4.43	-39.62	<=-24.43	PASS
		High	2480	-2.96	-40.69	<=-22.96	PASS
		Low	Hop_2402	-4.66	-44.92	<=-24.66	PASS
		High	Hop_2480	-2.96	-40.44	<=-22.96	PASS
2DH5	Ant1	Low	2402	-4.43	-39.68	<=-24.43	PASS
		High	2480	-3.02	-40.38	<=-23.02	PASS
		Low	Hop_2402	-4.47	-43.94	<=-24.47	PASS
		High	Hop_2480	-3.07	-40.37	<=-23.07	PASS

Test Graphs







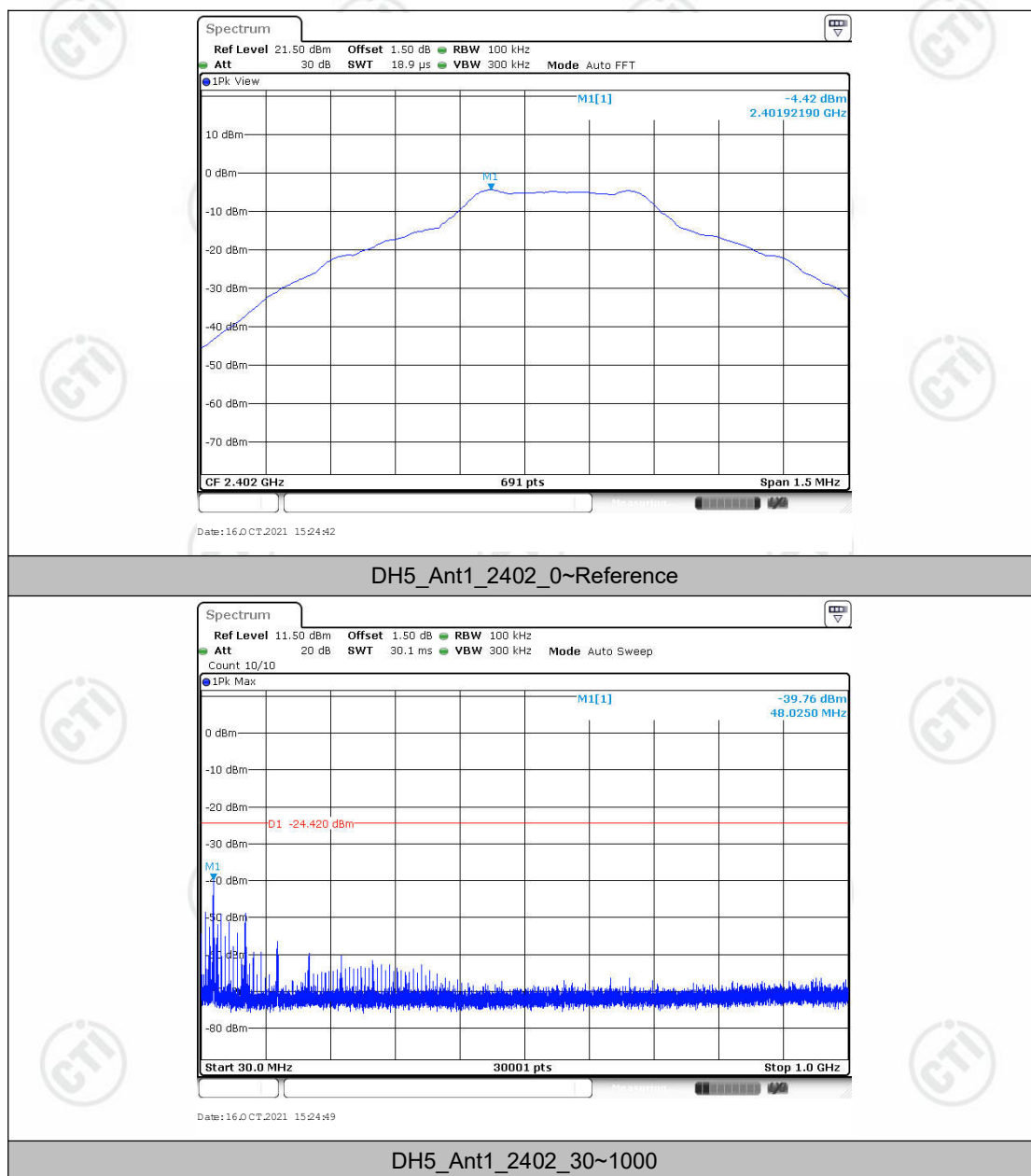


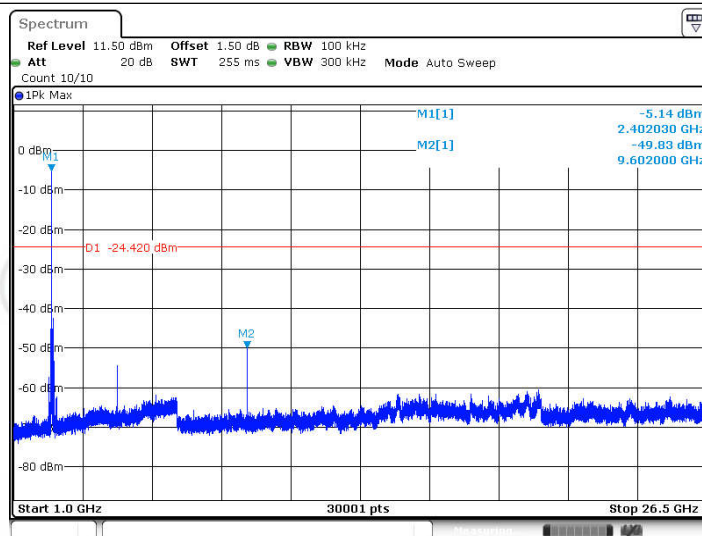
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-4.42	-4.42	---	PASS
			30~1000	-4.42	-39.76	<=-24.42	PASS
			1000~26500	-4.42	-49.83	<=-24.42	PASS
		2441	Reference	-3.64	-3.64	---	PASS
			30~1000	-3.64	-39.94	<=-23.64	PASS
			1000~26500	-3.64	-49.04	<=-23.64	PASS
		2480	Reference	-2.95	-2.95	---	PASS
			30~1000	-2.95	-39.78	<=-22.95	PASS
			1000~26500	-2.95	-49.67	<=-22.95	PASS
2DH5	Ant1	2402	Reference	-4.44	-4.44	---	PASS
			30~1000	-4.44	-40	<=-24.44	PASS
			1000~26500	-4.44	-49.41	<=-24.44	PASS
		2441	Reference	-3.66	-3.66	---	PASS
			30~1000	-3.66	-40.1	<=-23.66	PASS
			1000~26500	-3.66	-48.66	<=-23.66	PASS
		2480	Reference	-3.00	-3.00	---	PASS
			30~1000	-3.00	-39.38	<=-23	PASS
			1000~26500	-3.00	-48.48	<=-23	PASS

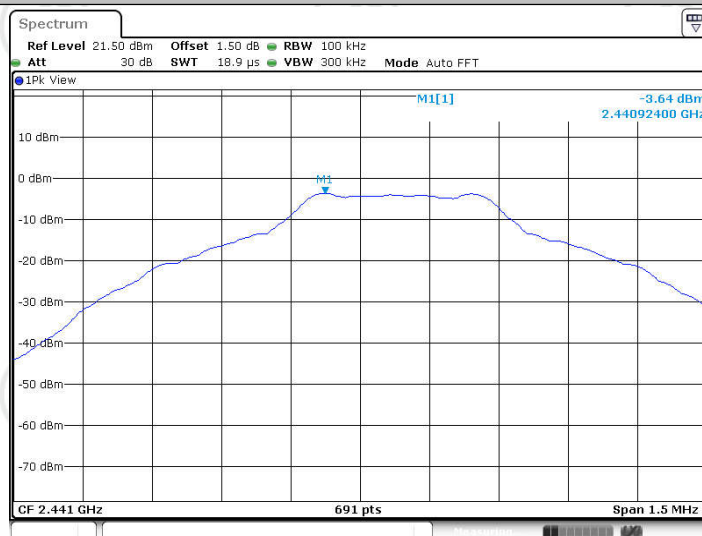
Test Graphs





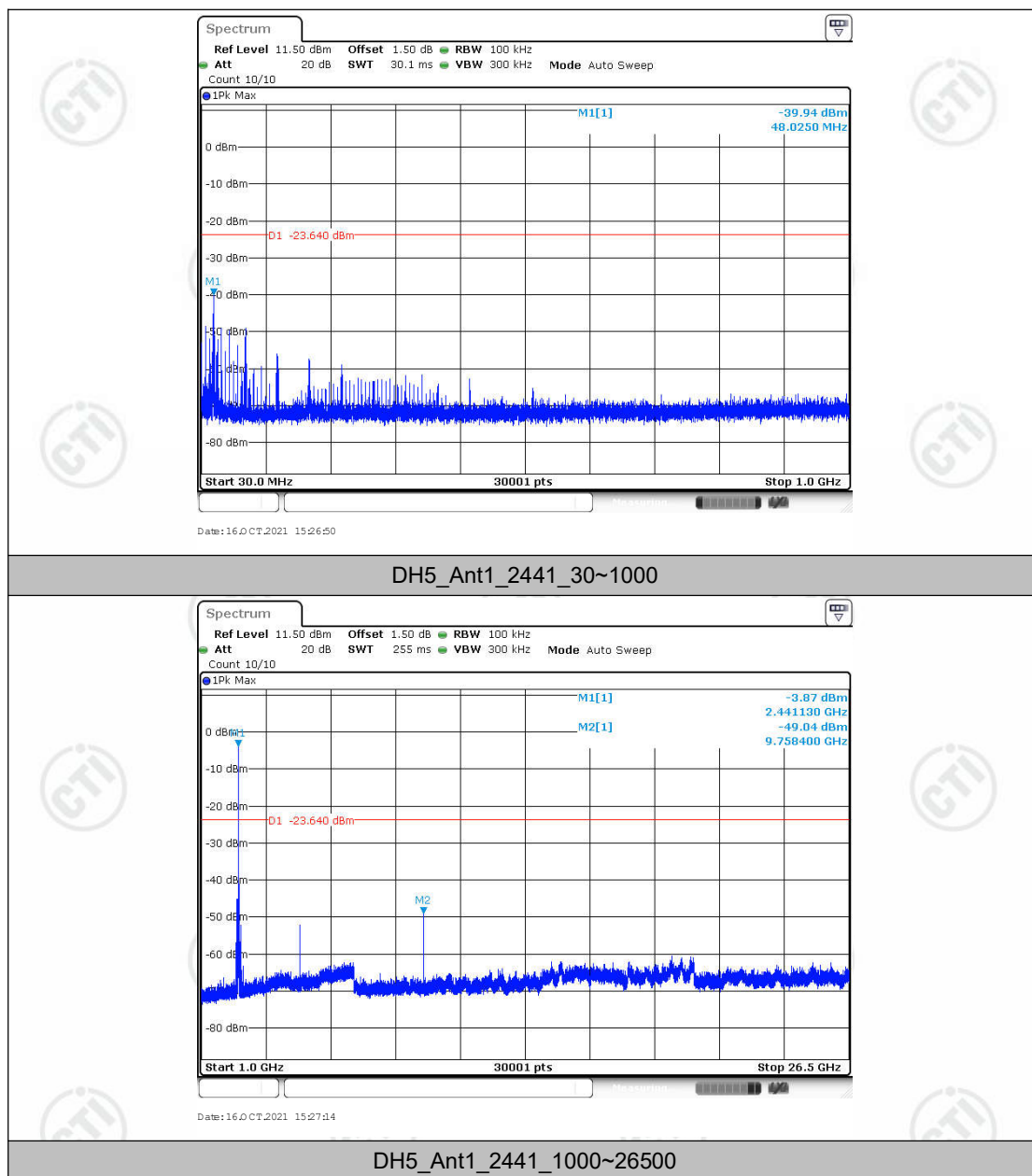
Date: 16/01/2021 15:25:13

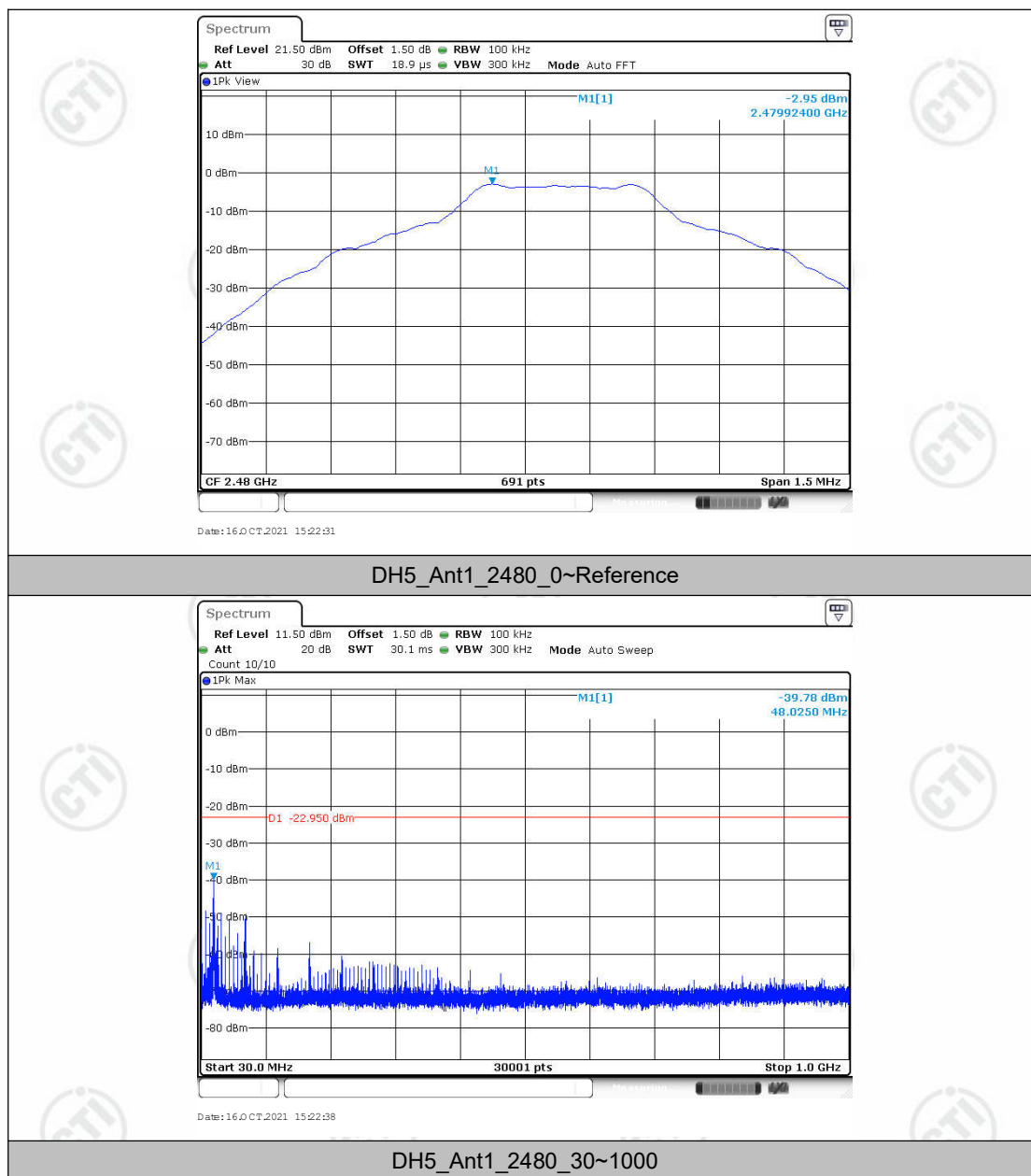
DH5_Ant1_2402_1000~26500

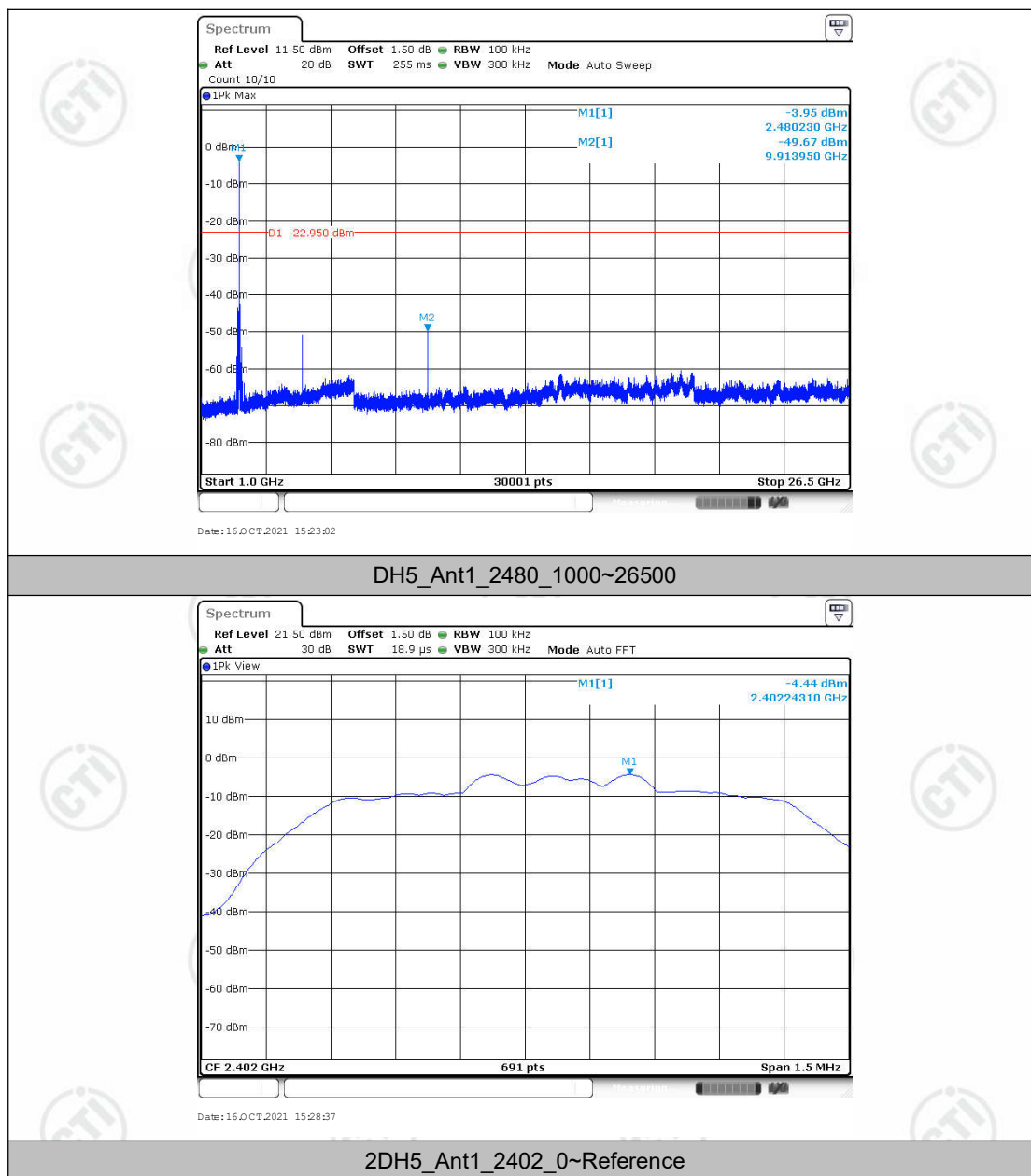


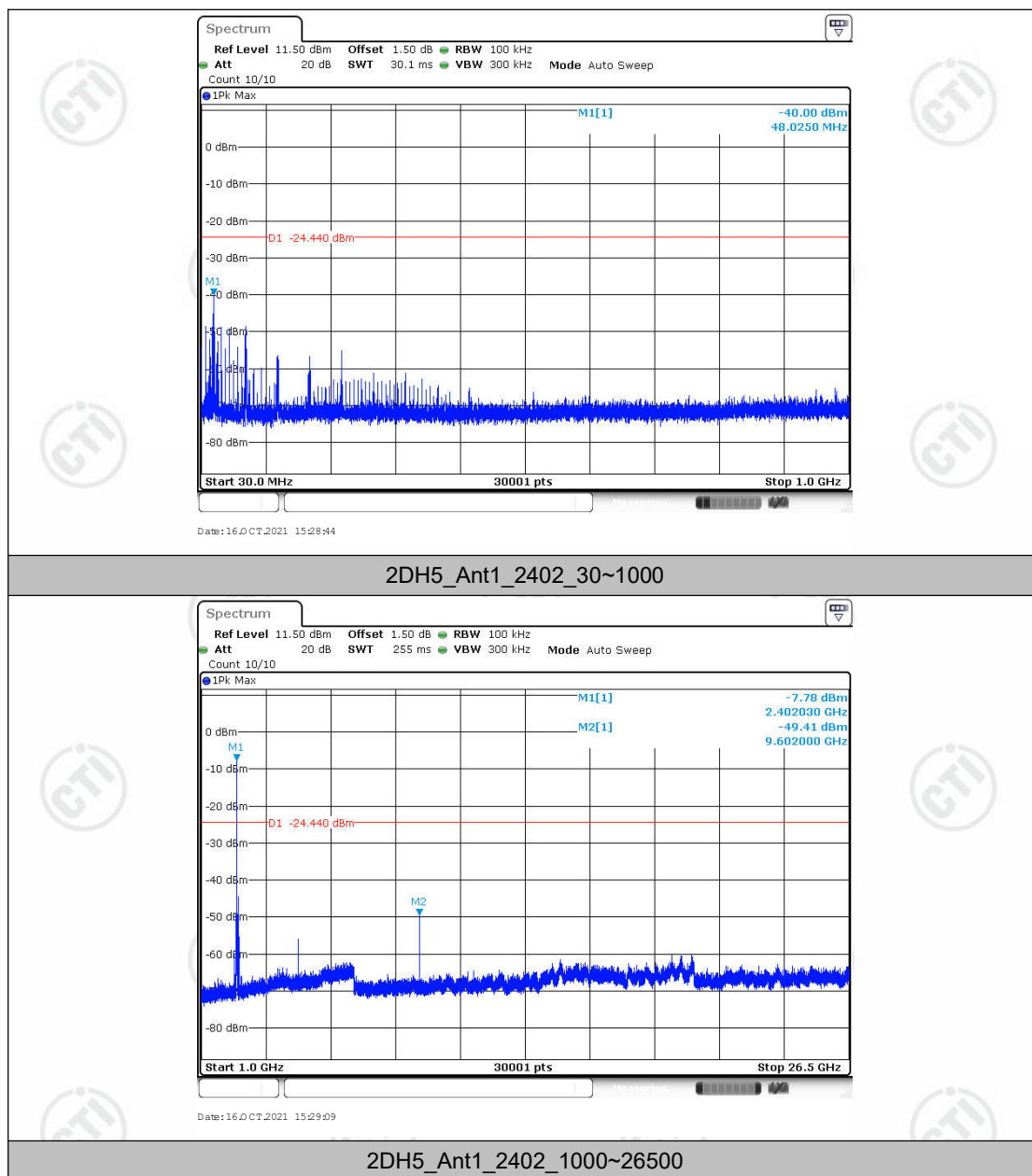
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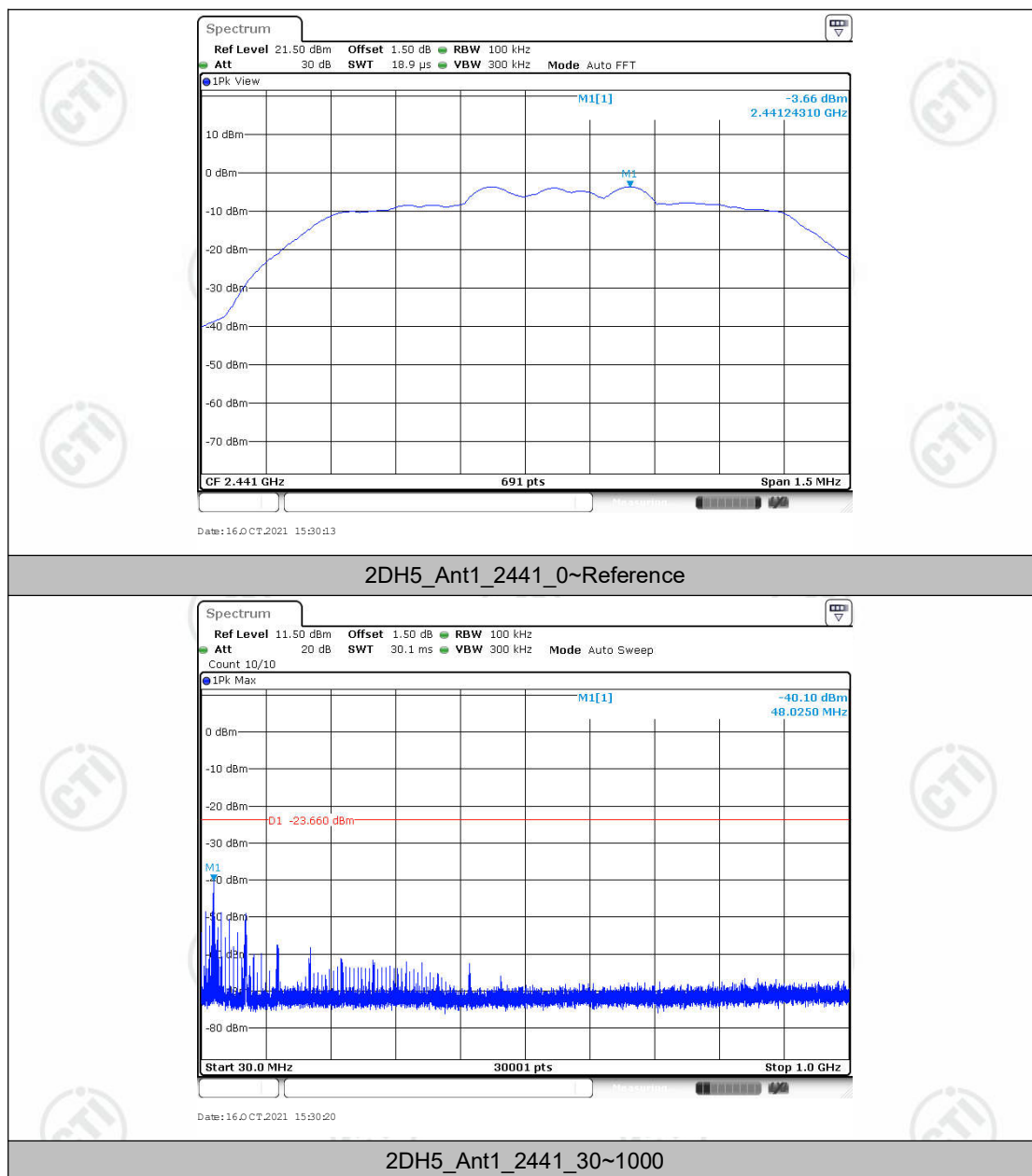
DH5_Ant1_2441_0~Reference

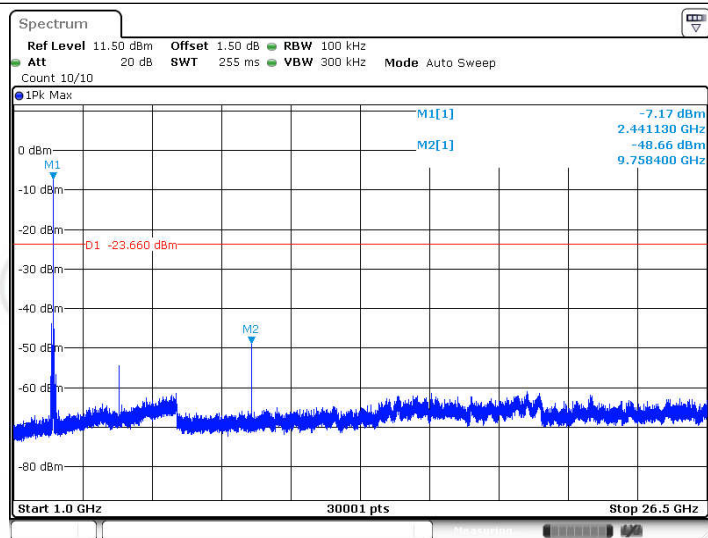












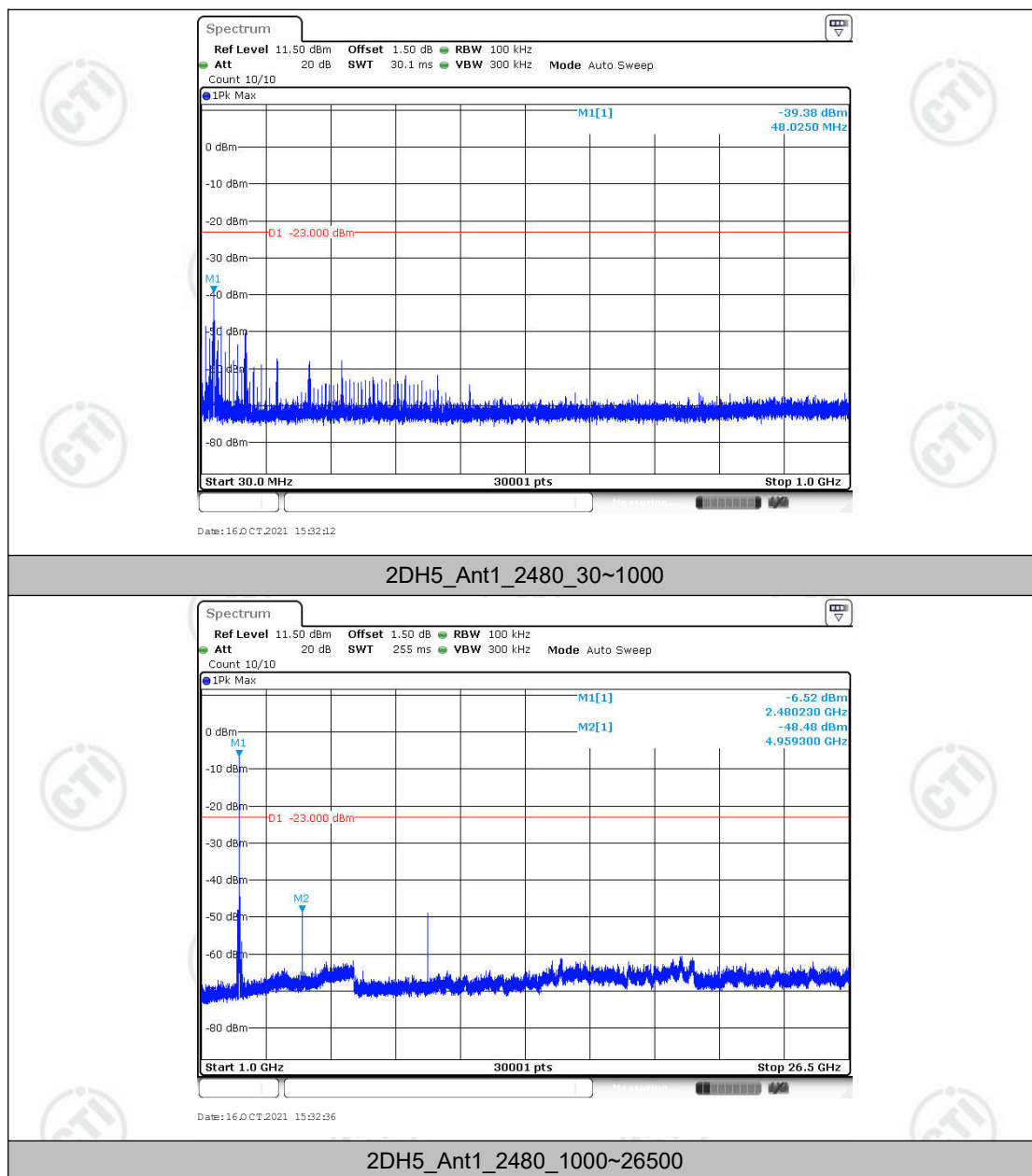
Date: 16/07/2021 15:30:45

2DH5_Ant1_2441_1000~26500



Date: 16/07/2021 15:32:05

2DH5_Ant1_2480_0~Reference

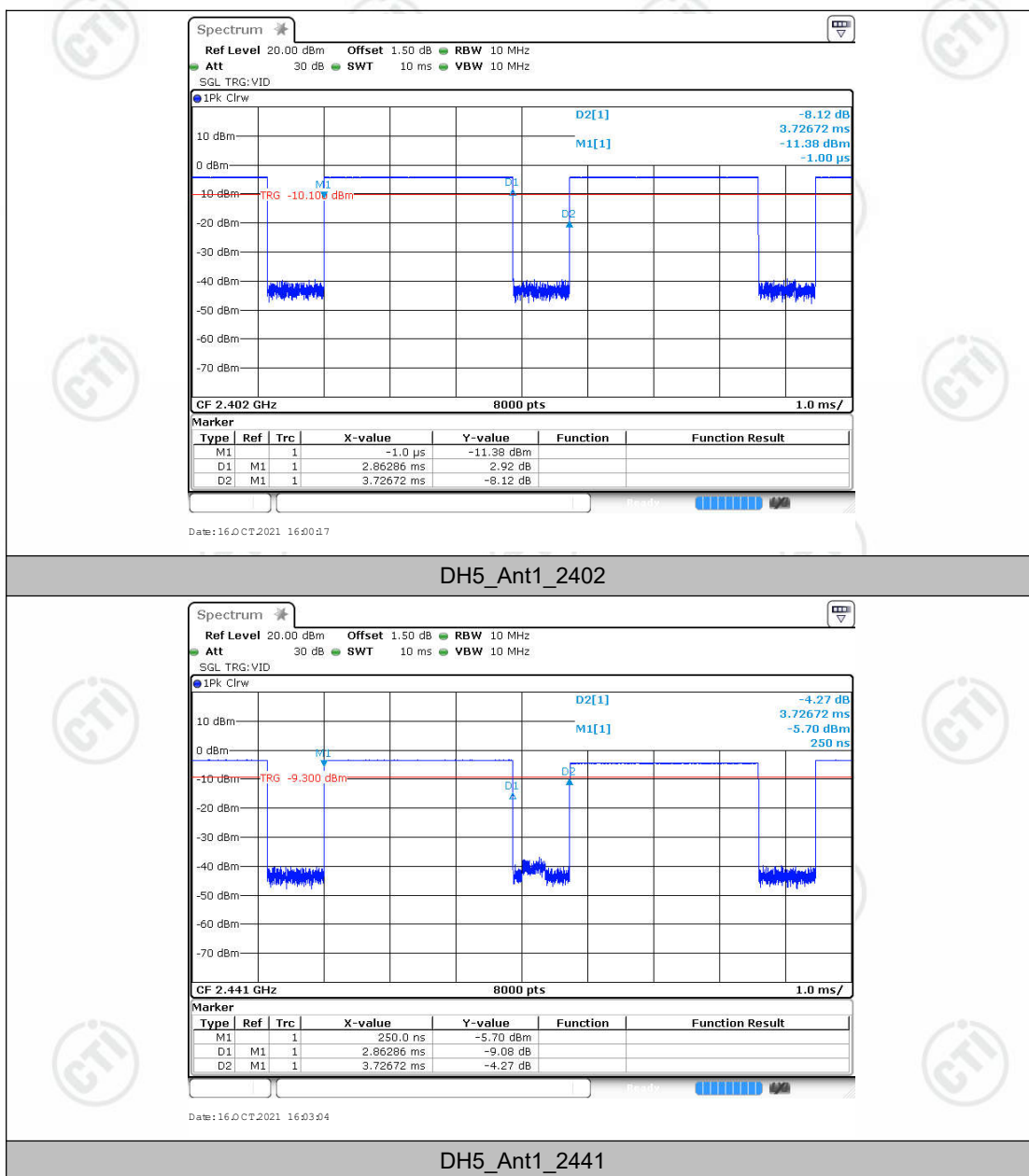


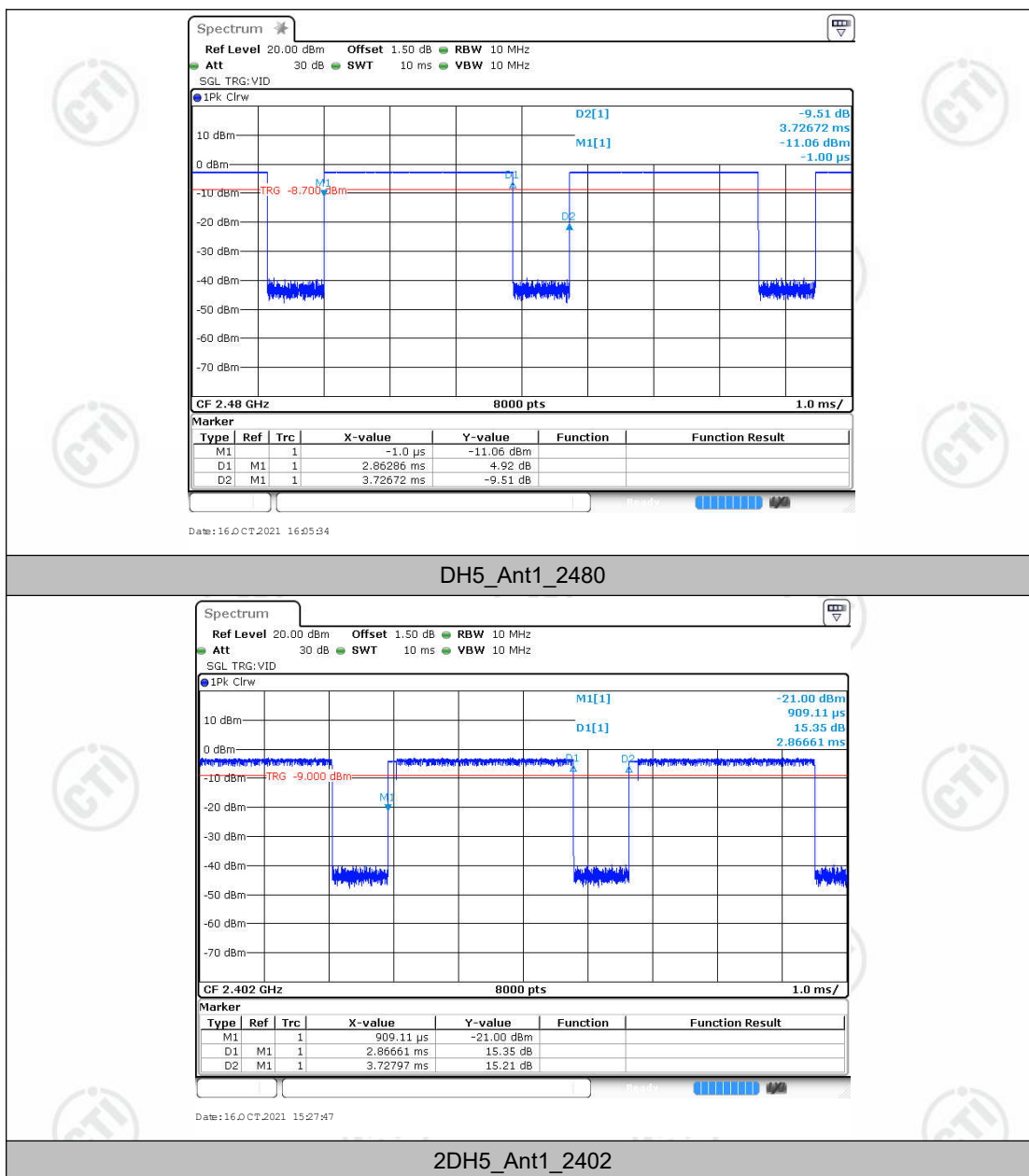
Appendix I: Duty Cycle

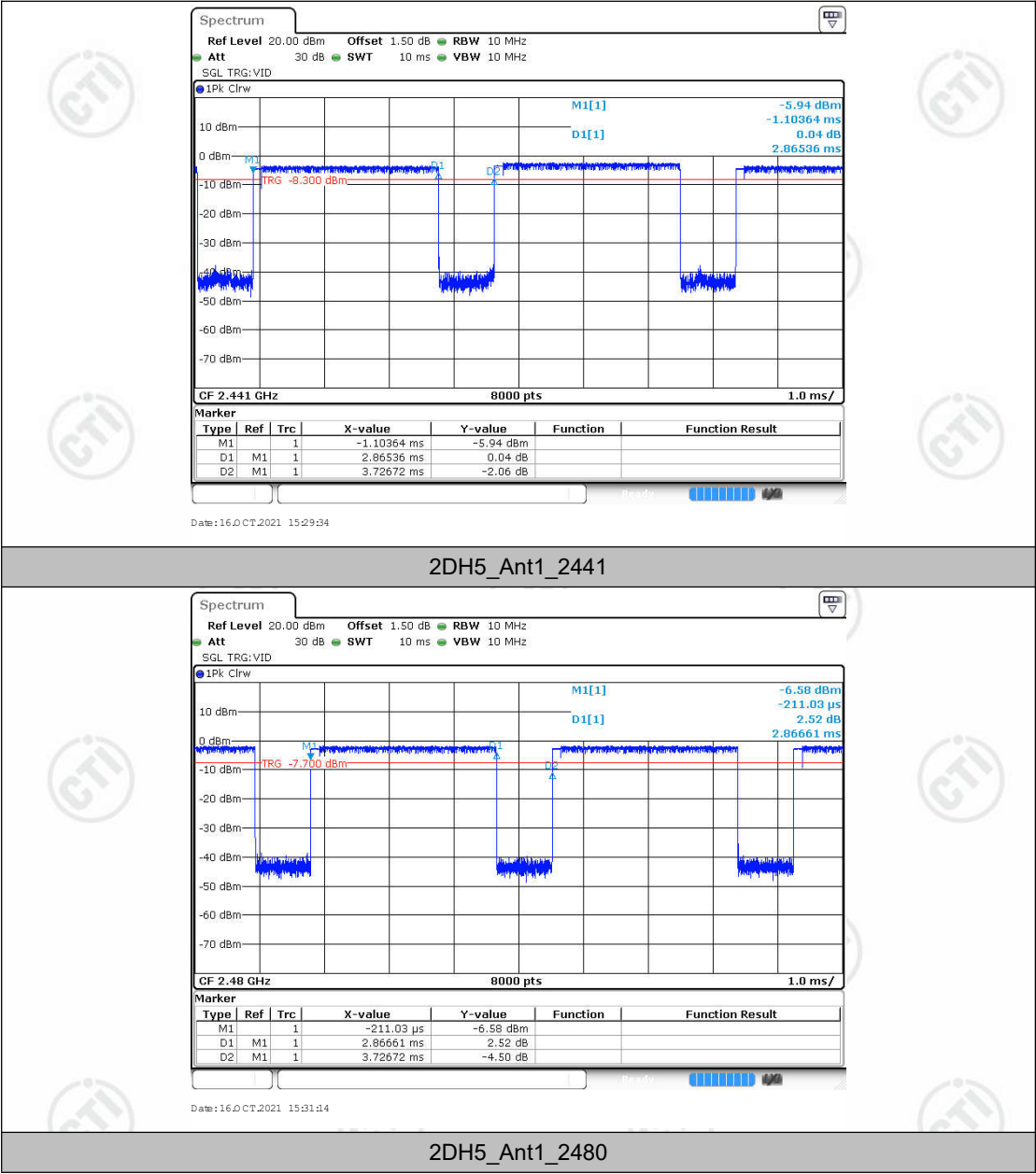
Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
DH5	Ant1	2402	0.00	0.86	0.00	---	PASS
		2441	0.00	0.86	0.00	---	PASS
		2480	0.00	0.86	0.00	---	PASS
2DH5	Ant1	2402	2.87	3.73	76.94	---	PASS
		2441	2.87	3.73	76.94	---	PASS
		2480	2.87	3.73	76.94	---	PASS

Test Graphs







*** End of Report ***