

Appendix: Bluetooth Classic

Contents

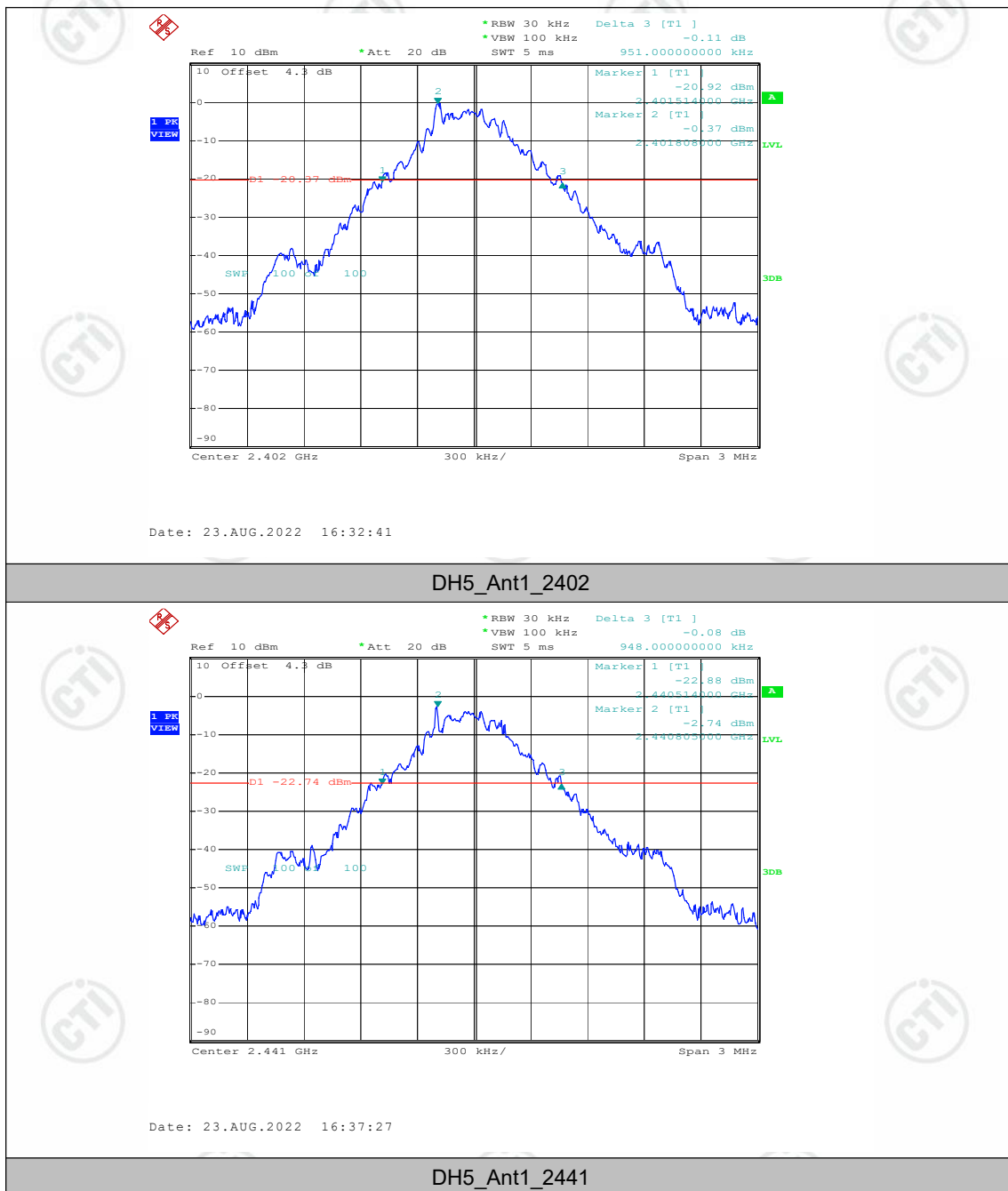
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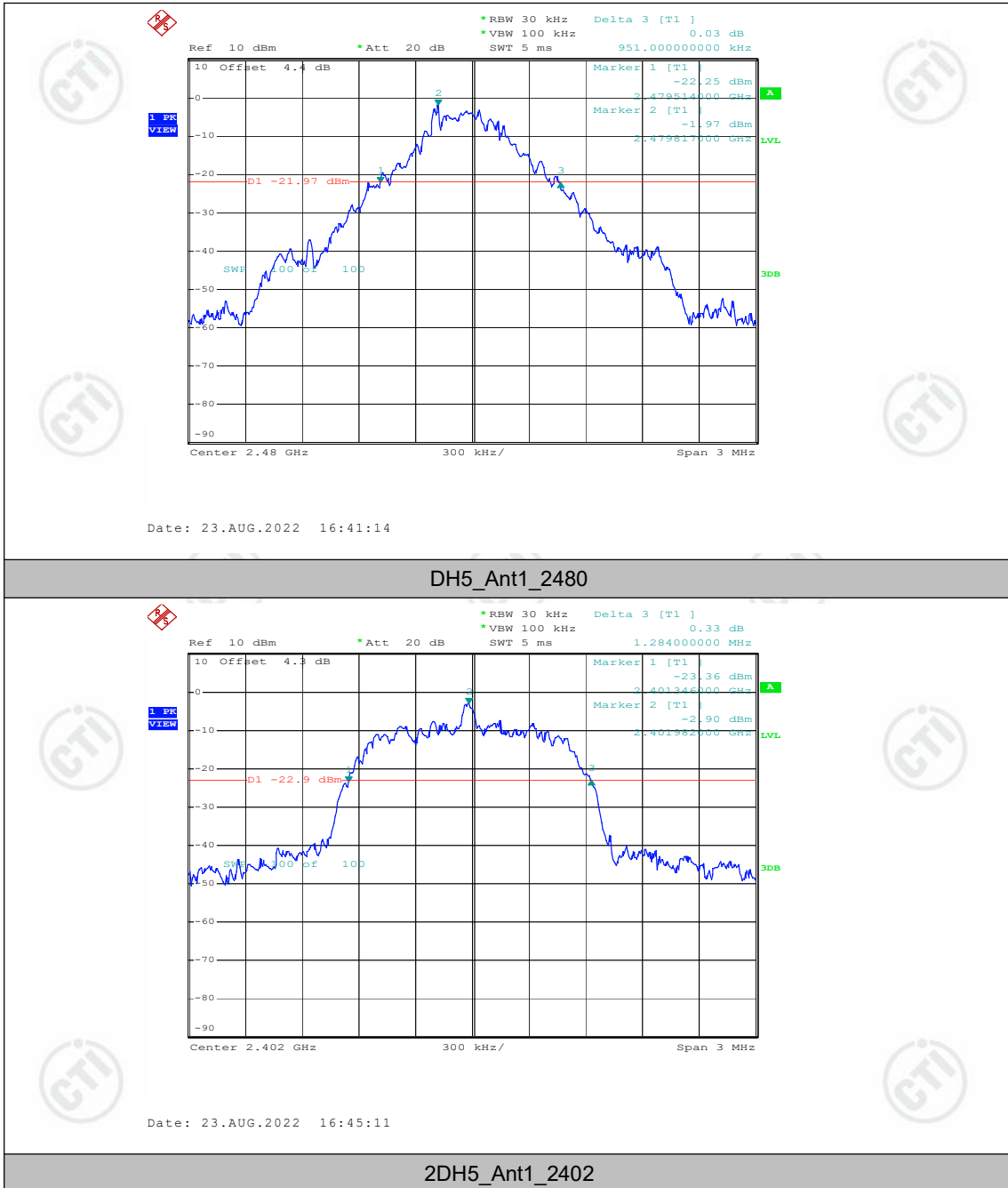
Appendix A: 20dBEmission Bandwidth

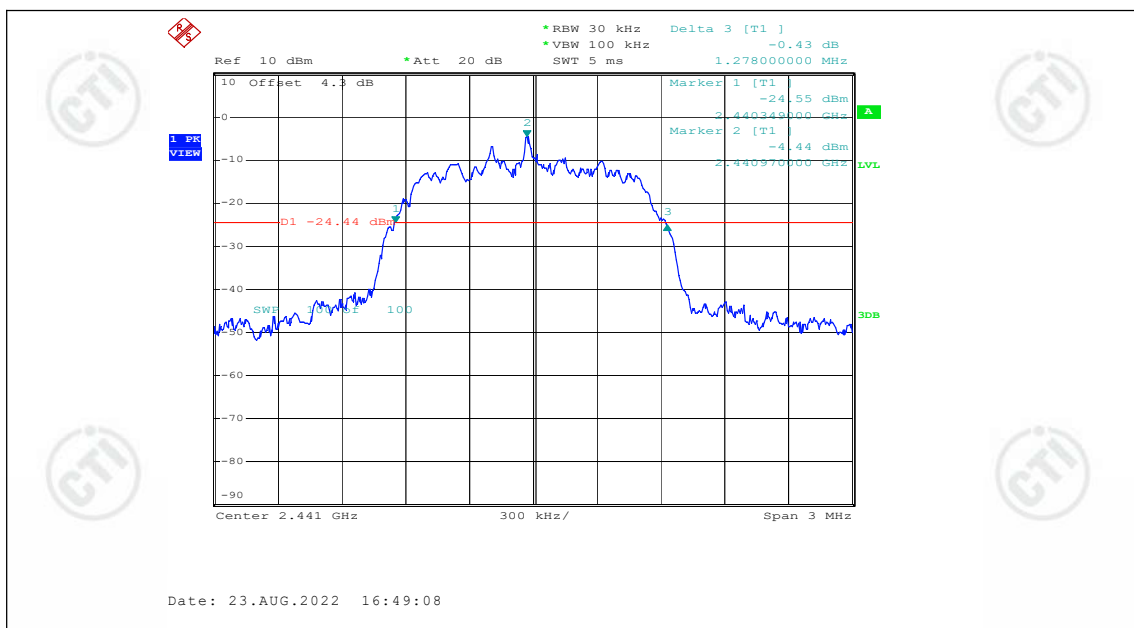
Test Result

Test Mode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.95	2401.51	2402.47	---	---
		2441	0.95	2440.51	2441.46	---	---
		2480	0.95	2479.51	2480.47	---	---
2DH5	Ant1	2402	1.28	2401.35	2402.63	---	---
		2441	1.28	2440.35	2441.63	---	---
		2480	1.28	2479.35	2480.63	---	---
3DH5	Ant1	2402	1.25	2401.35	2402.60	---	---
		2441	1.28	2440.34	2441.62	---	---
		2480	1.26	2479.34	2480.60	---	---

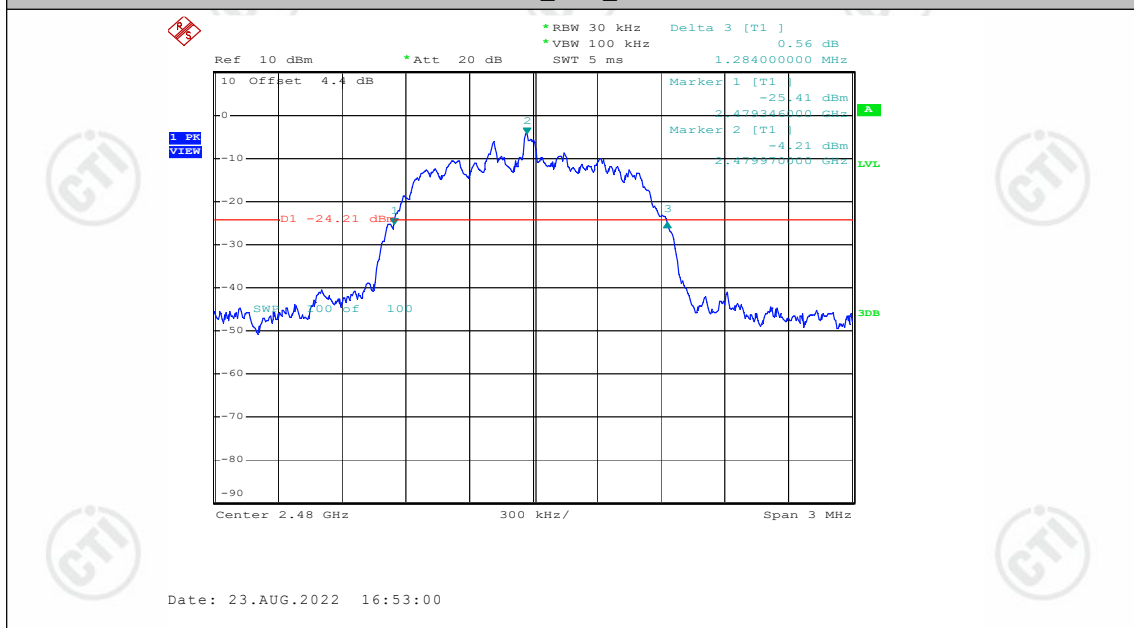
Test Graphs



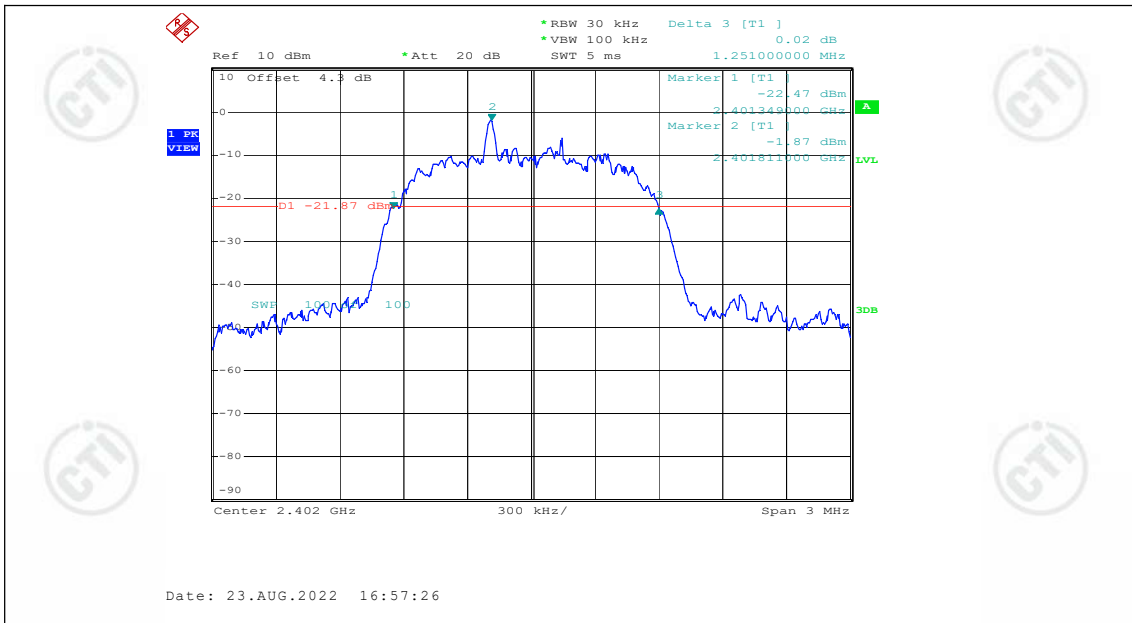




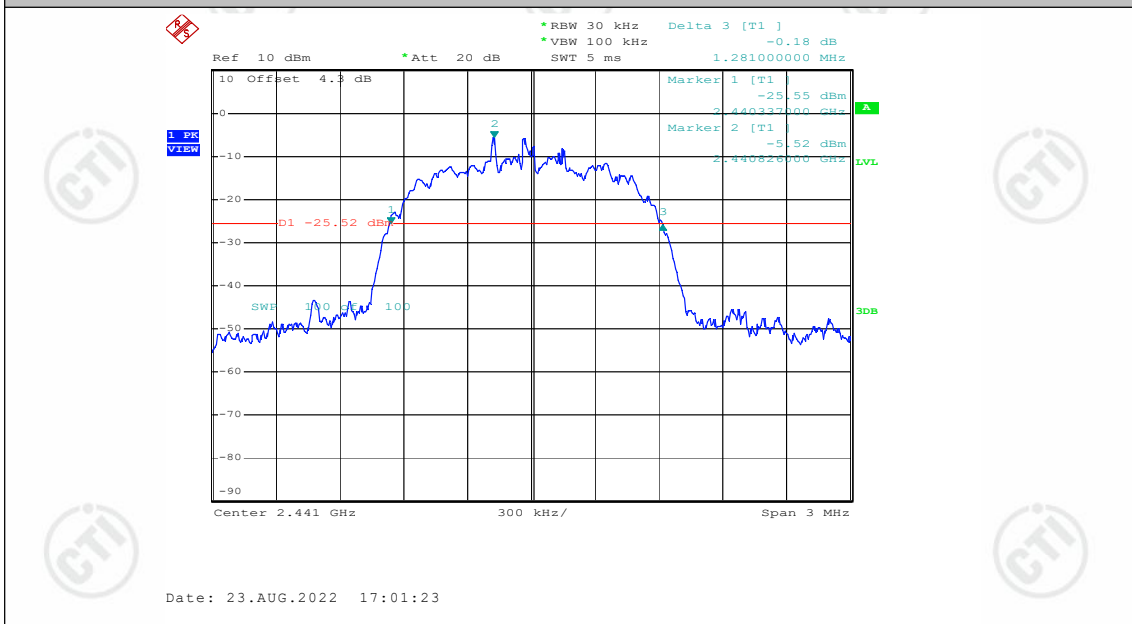
2DH5_Ant1_2441



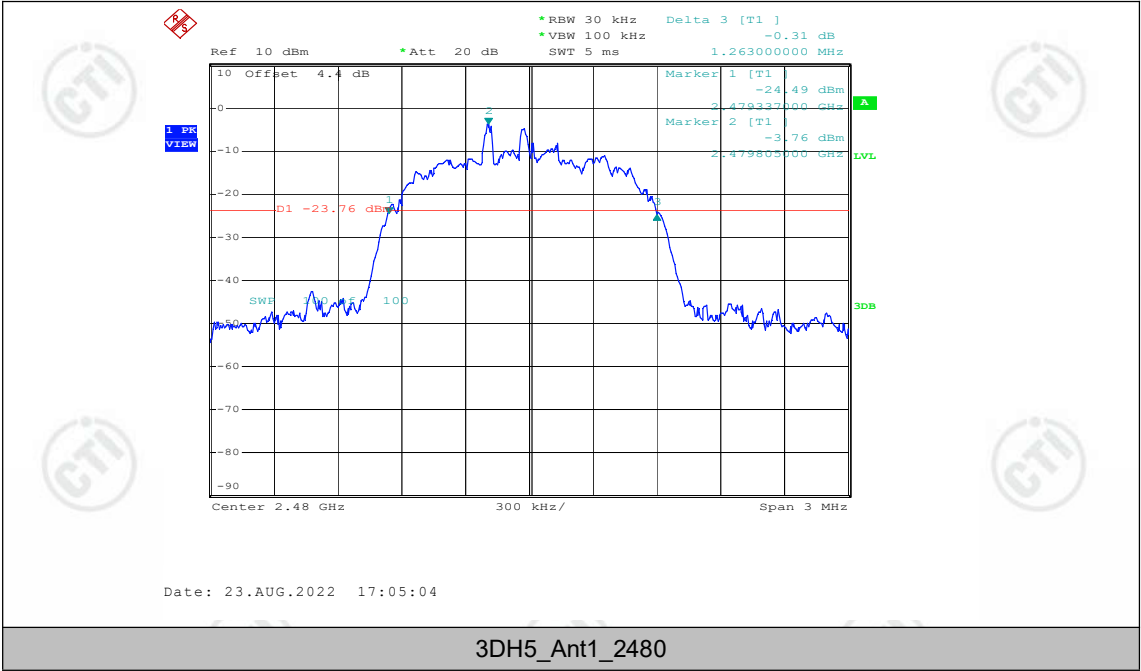
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441

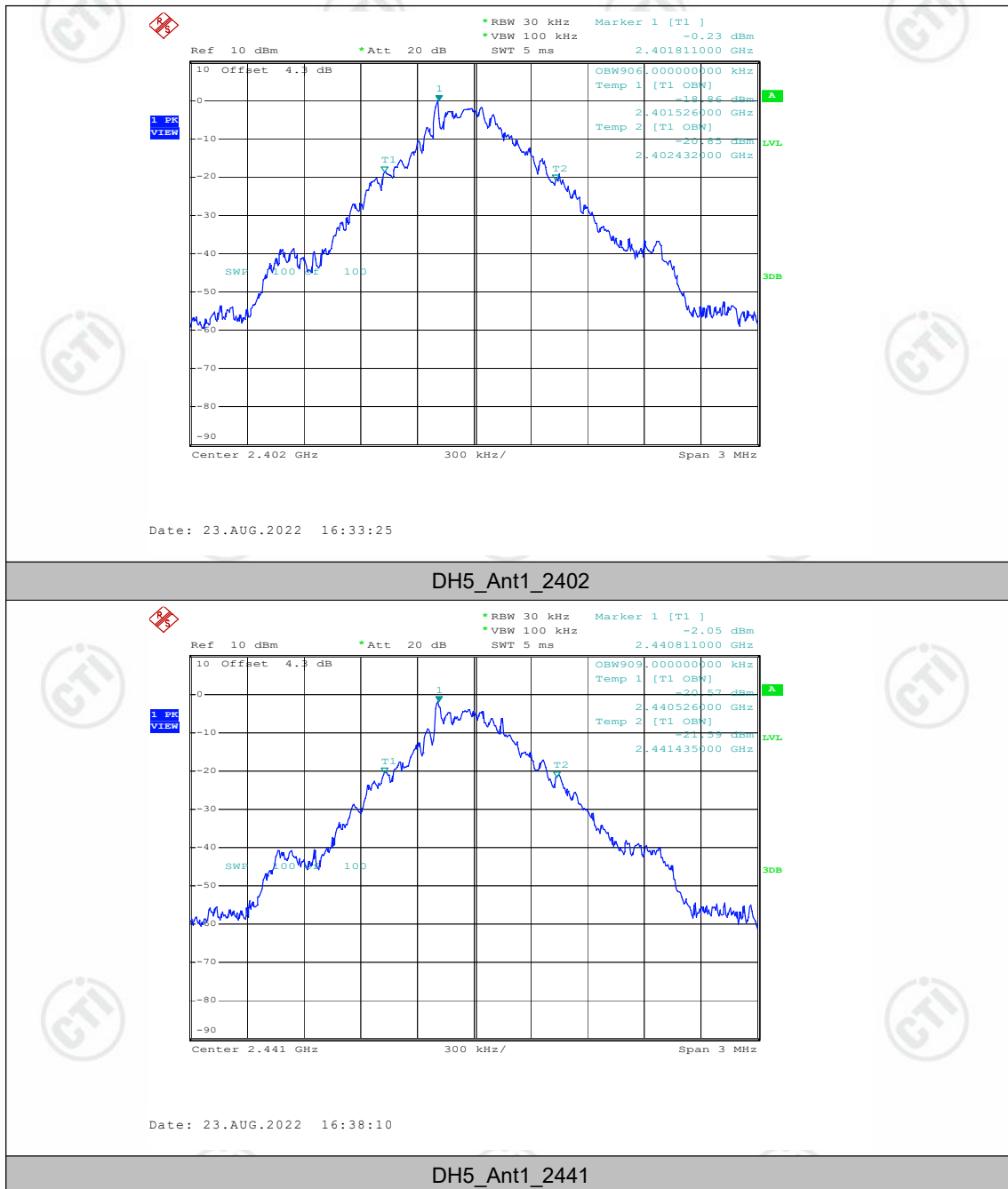


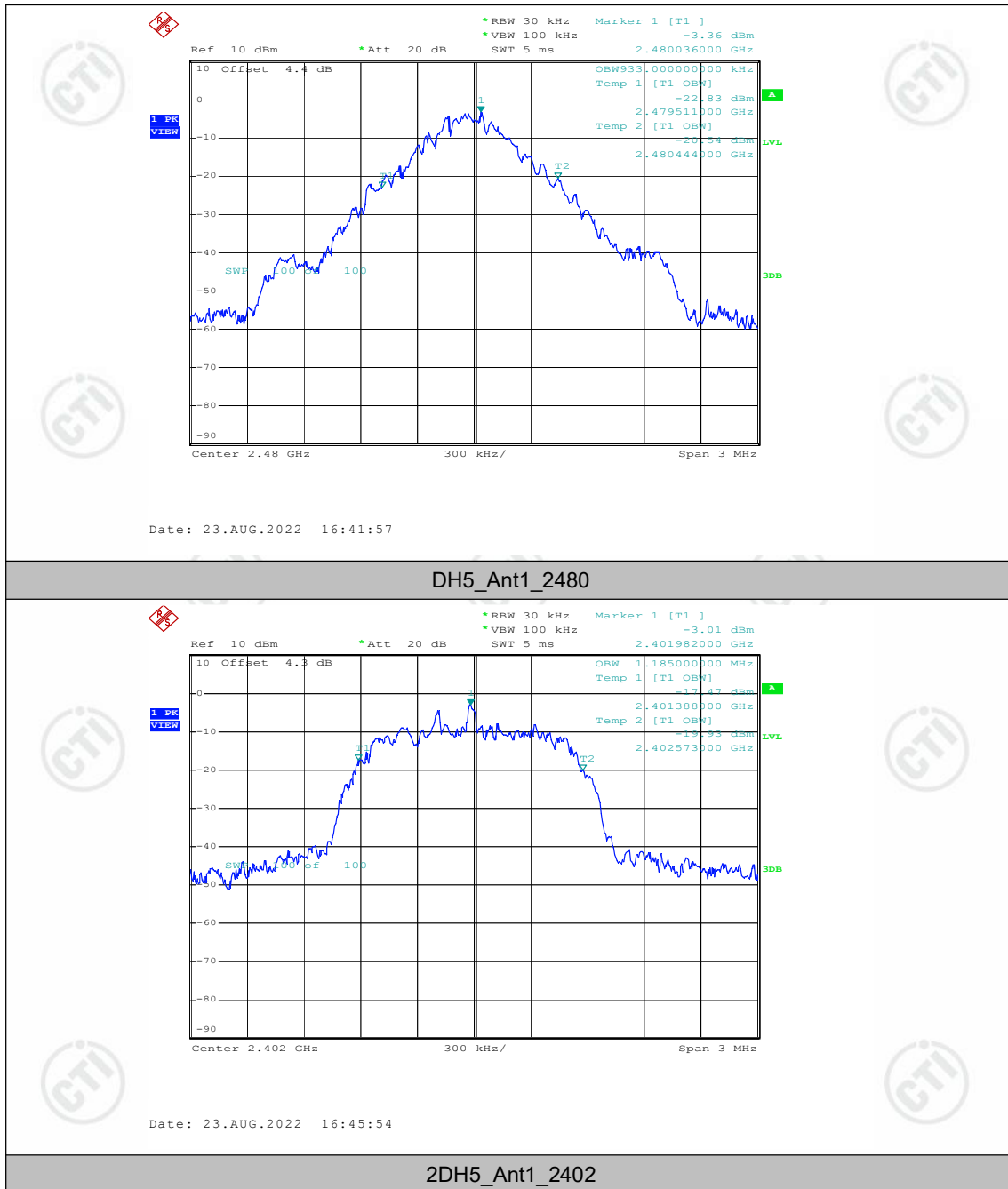
Appendix B: Occupied Channel Bandwidth

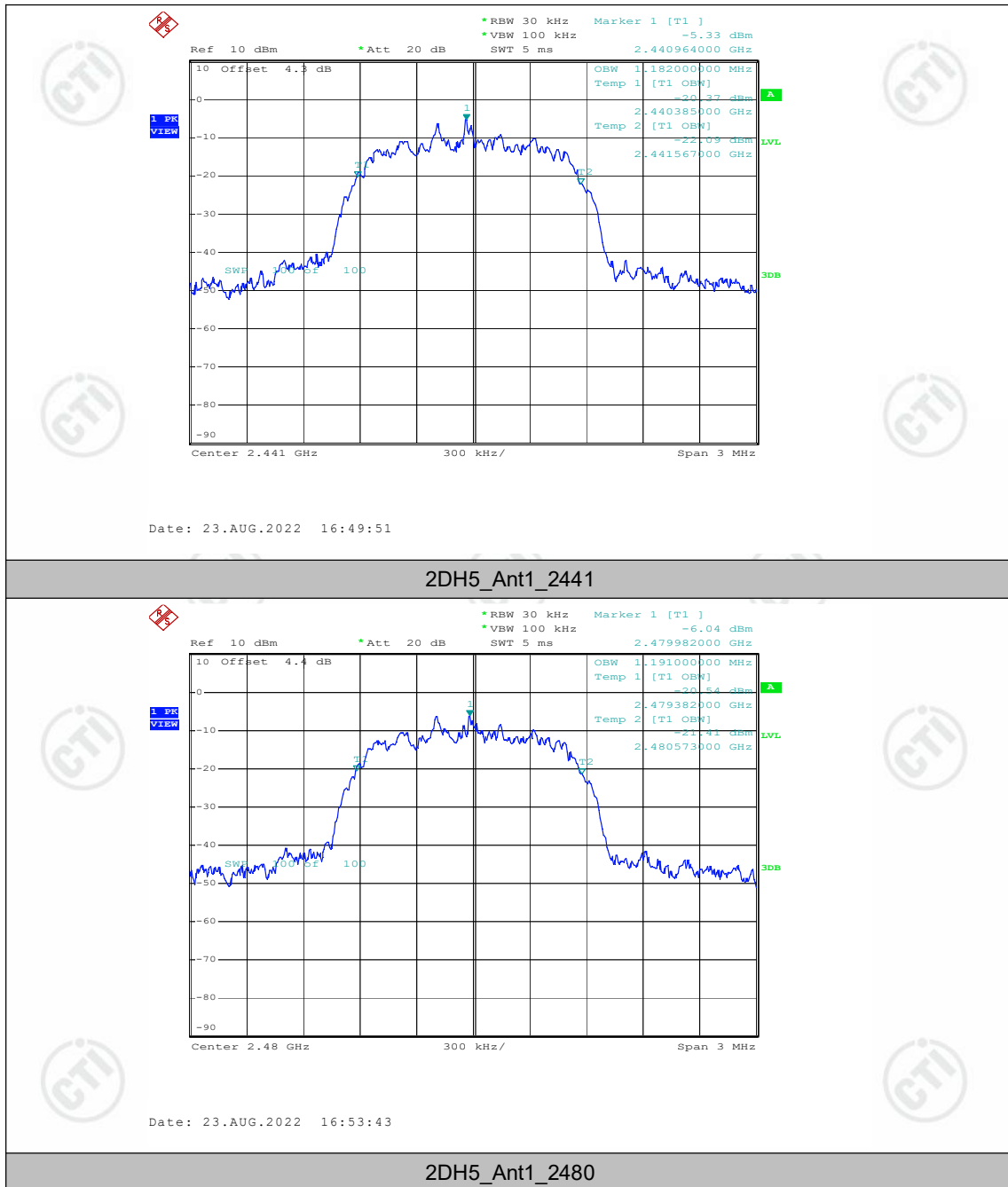
Test Result

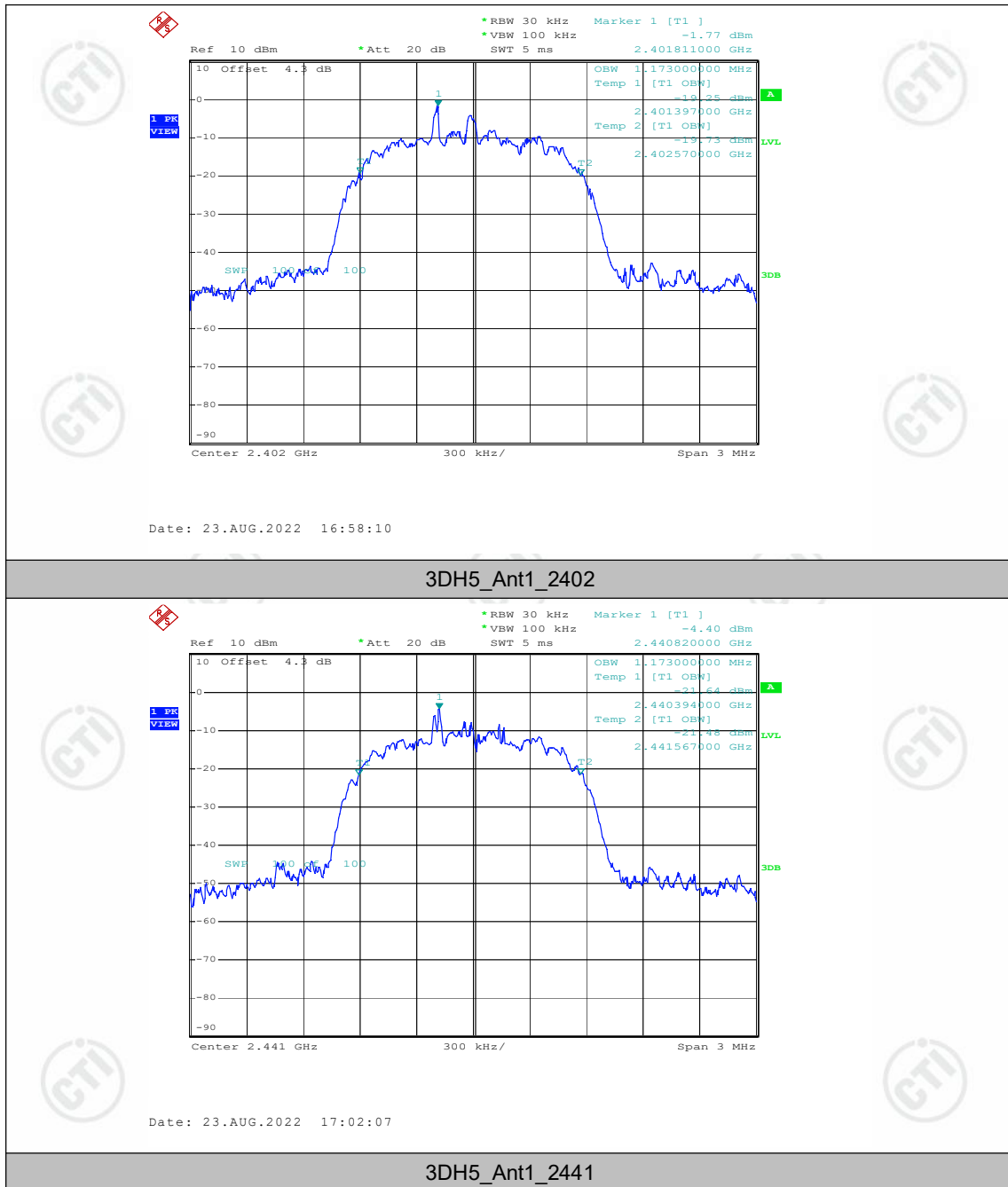
Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.906	0.000	0.000	---	---
		2441	0.909	0.000	0.000	---	---
		2480	0.933	0.000	0.000	---	---
2DH5	Ant1	2402	1.185	0.000	0.000	---	---
		2441	1.182	0.000	0.000	---	---
		2480	1.191	0.000	0.000	---	---
3DH5	Ant1	2402	1.173	0.000	0.000	---	---
		2441	1.173	0.000	0.000	---	---
		2480	1.167	0.000	0.000	---	---

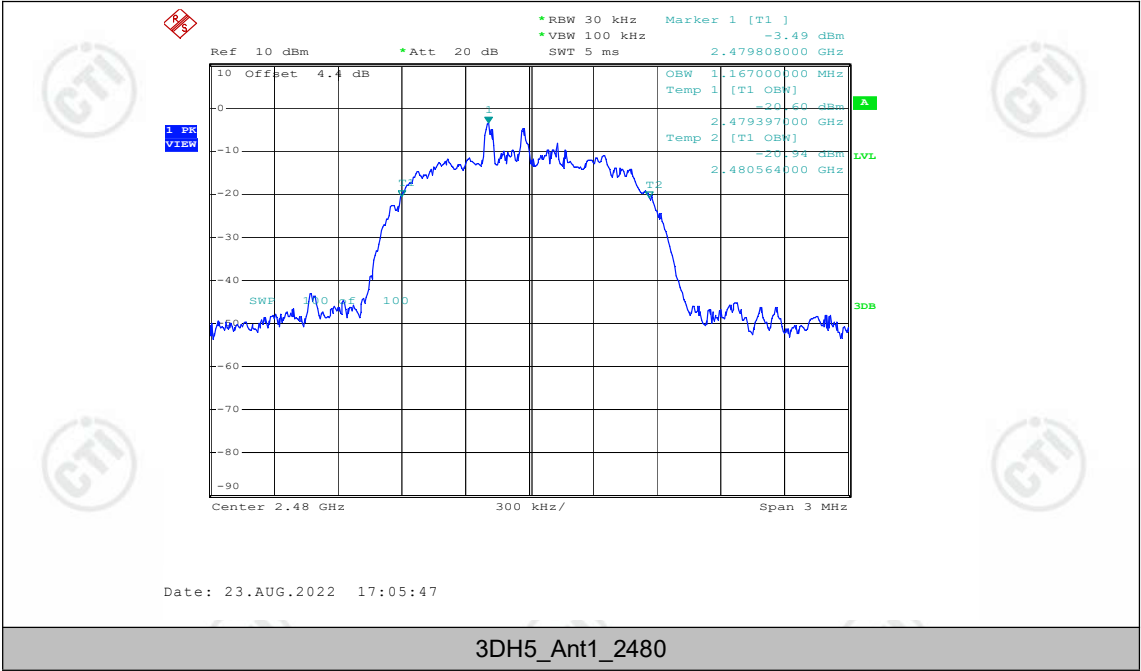
Test Graphs









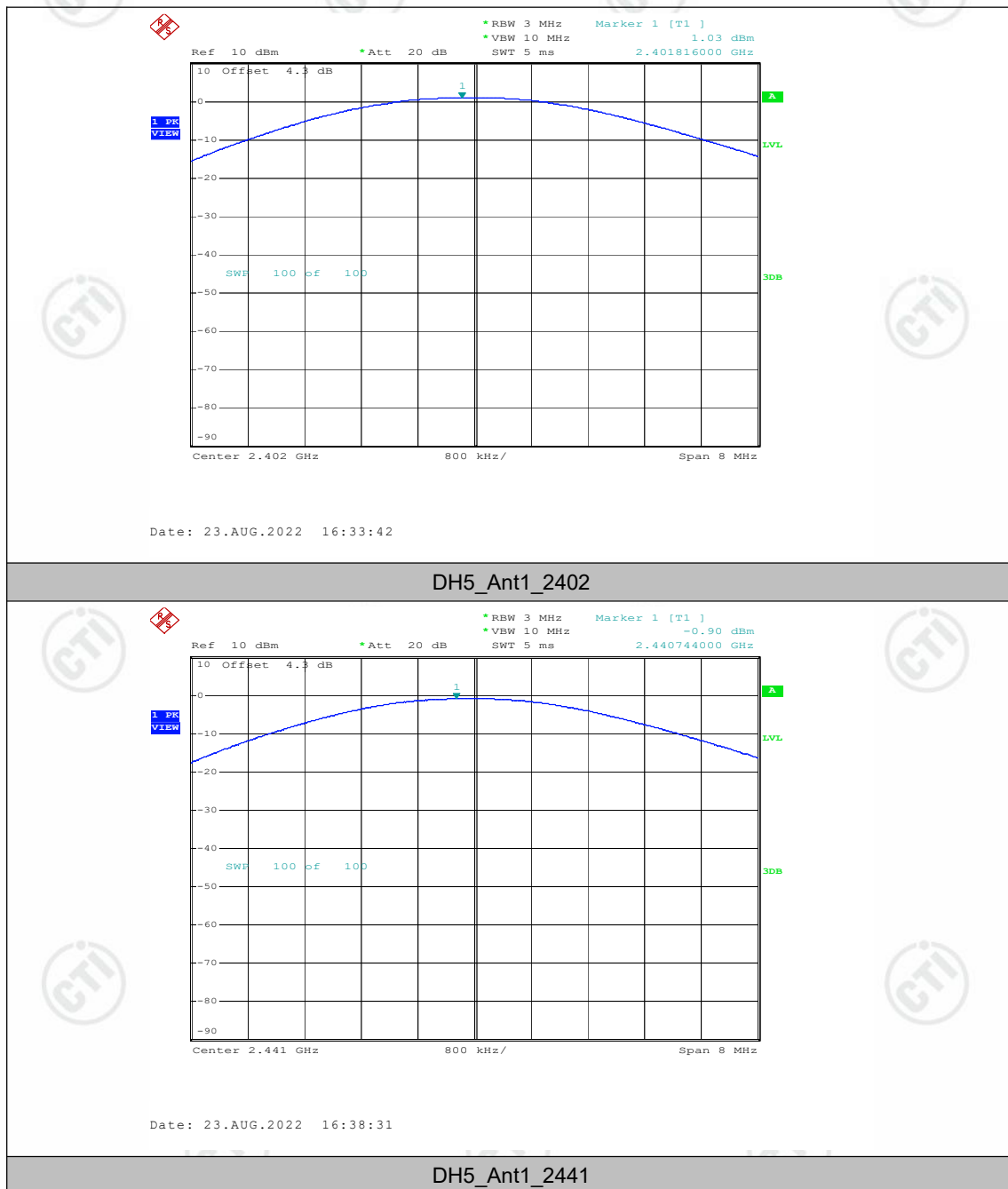


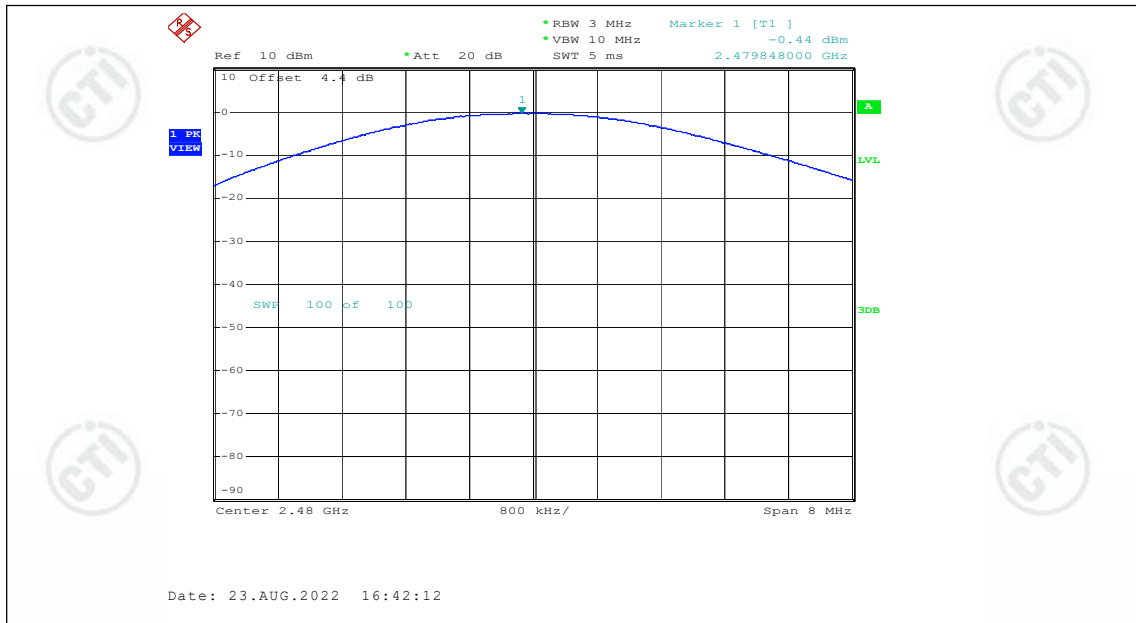
Appendix C: Maximum conducted output power

Test Result

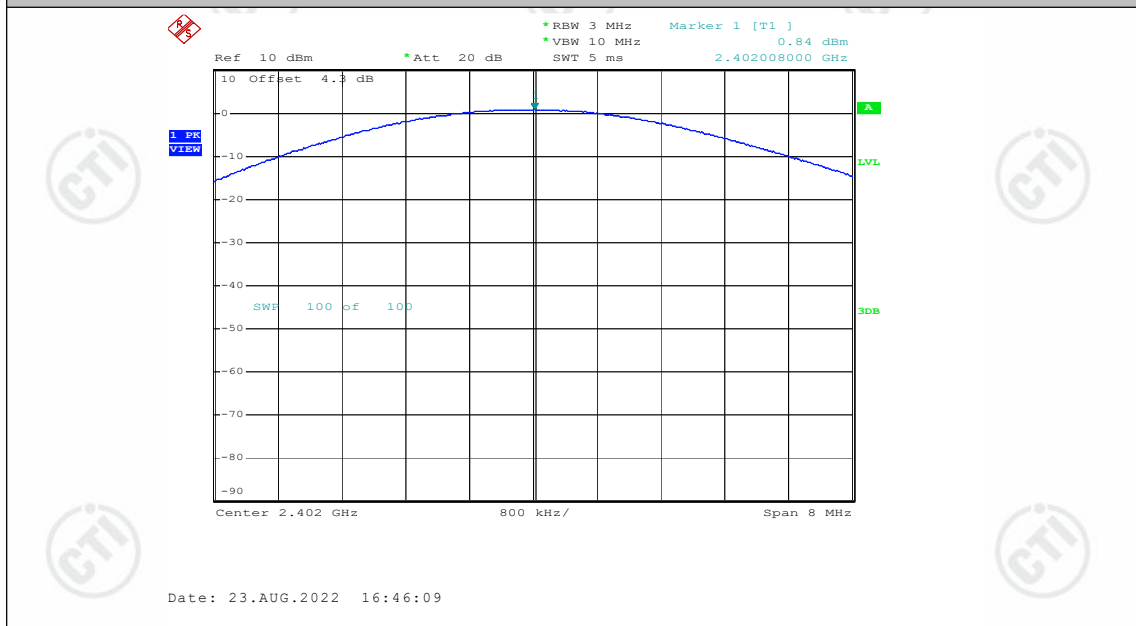
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	1.03	≤20.97	PASS
		2441	-0.9	≤20.97	PASS
		2480	-0.44	≤20.97	PASS
2DH5	Ant1	2402	0.84	≤20.97	PASS
		2441	-1.11	≤20.97	PASS
		2480	-0.77	≤20.97	PASS
3DH5	Ant1	2402	0.51	≤20.97	PASS
		2441	-1.51	≤20.97	PASS
		2480	-1.11	≤20.97	PASS

Test Graphs

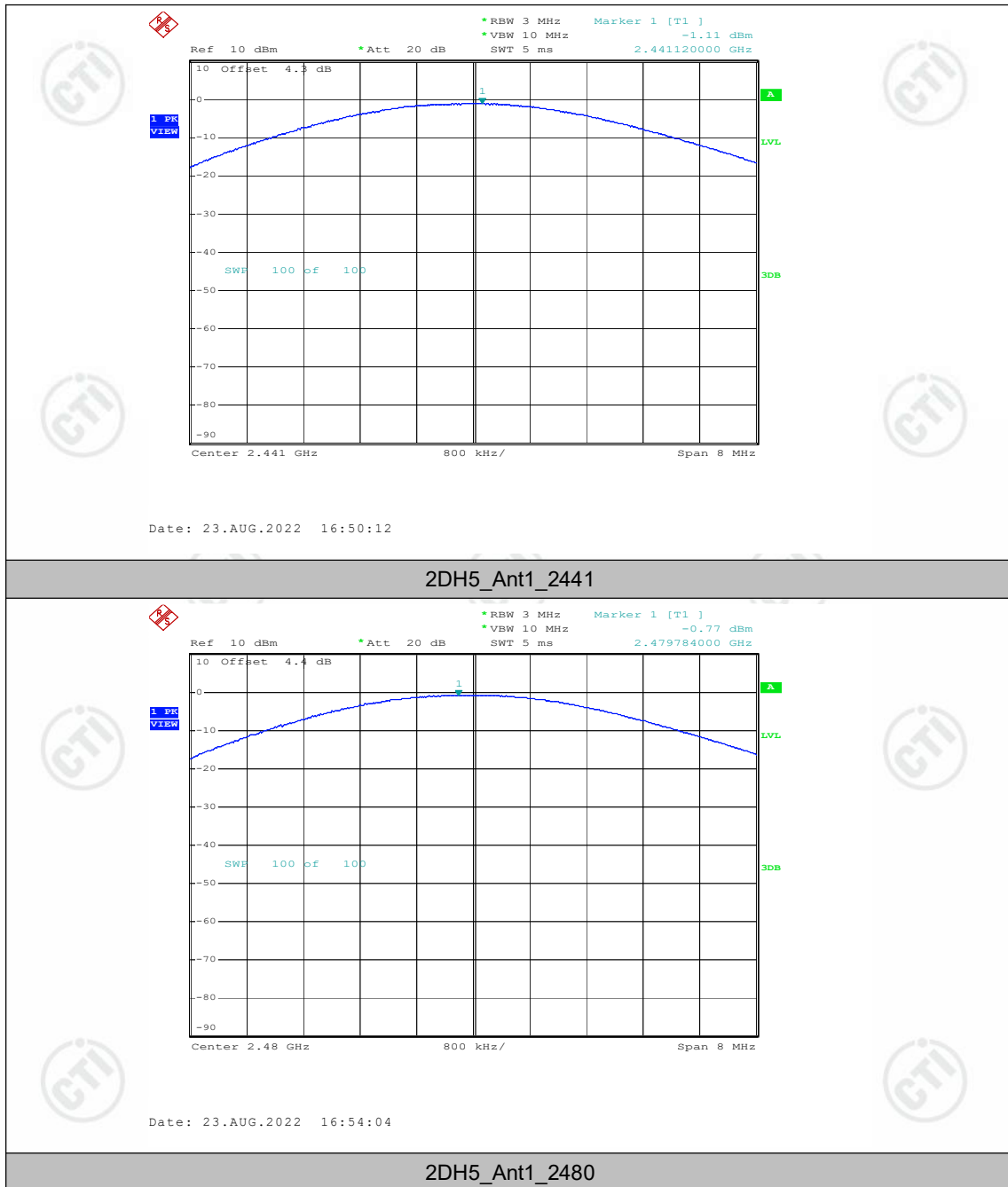


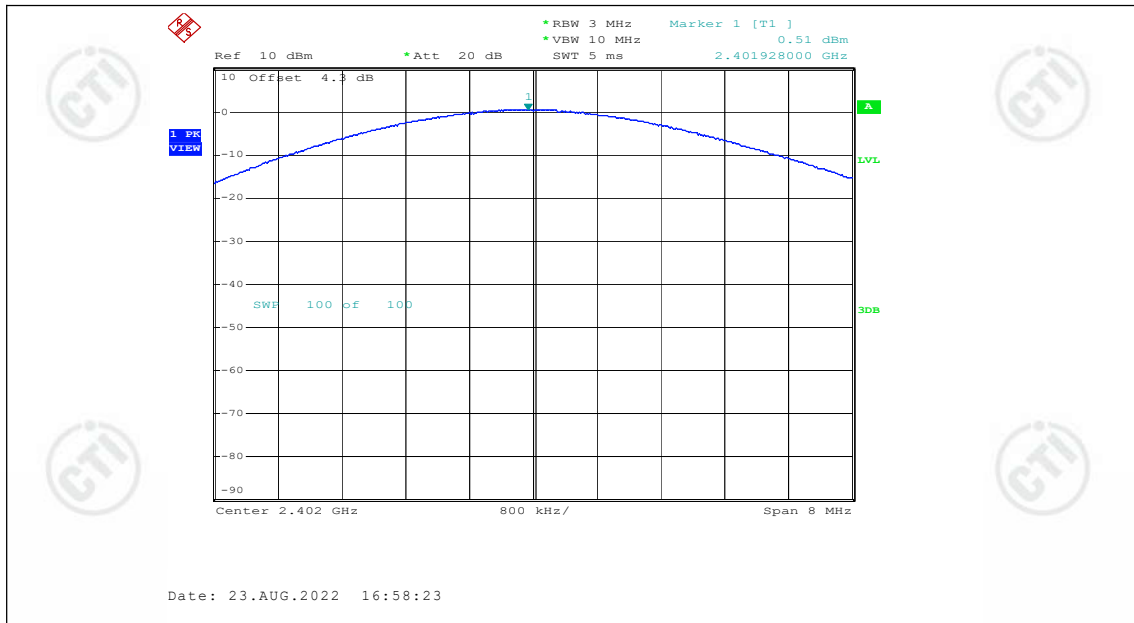


DH5_Ant1_2480

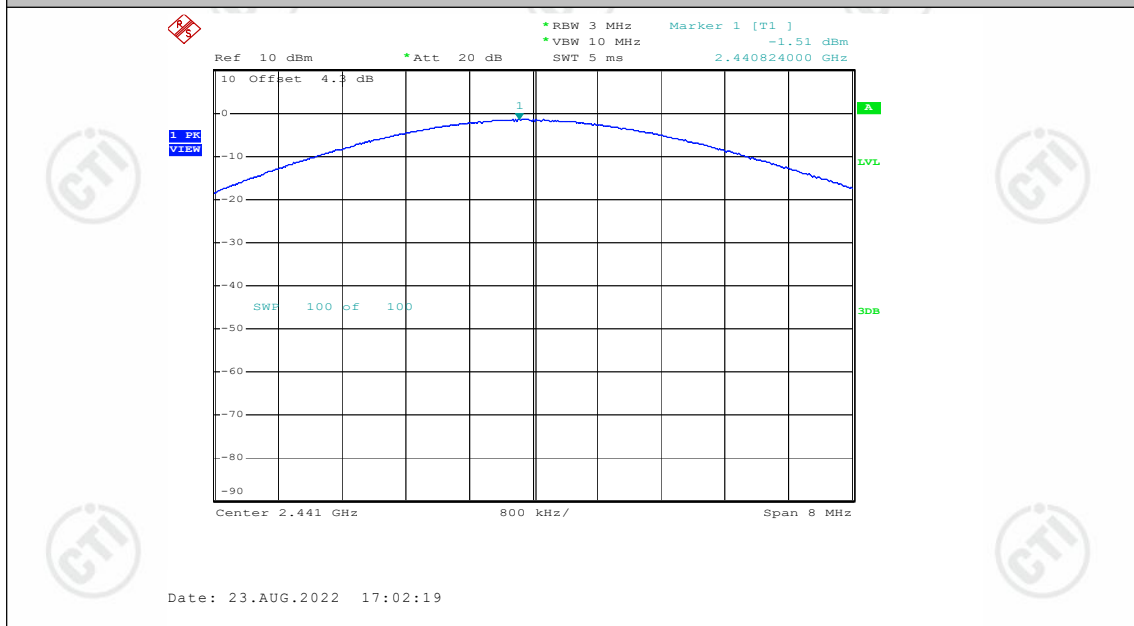


2DH5_Ant1_2402

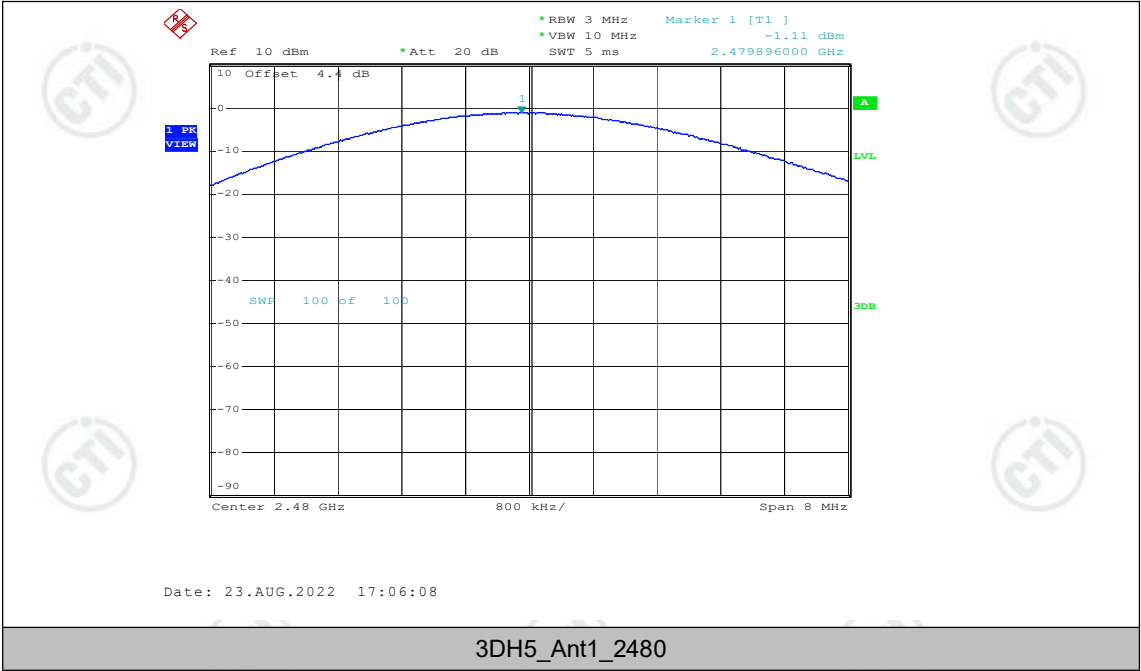




3DH5_Ant1_2402



3DH5_Ant1_2441

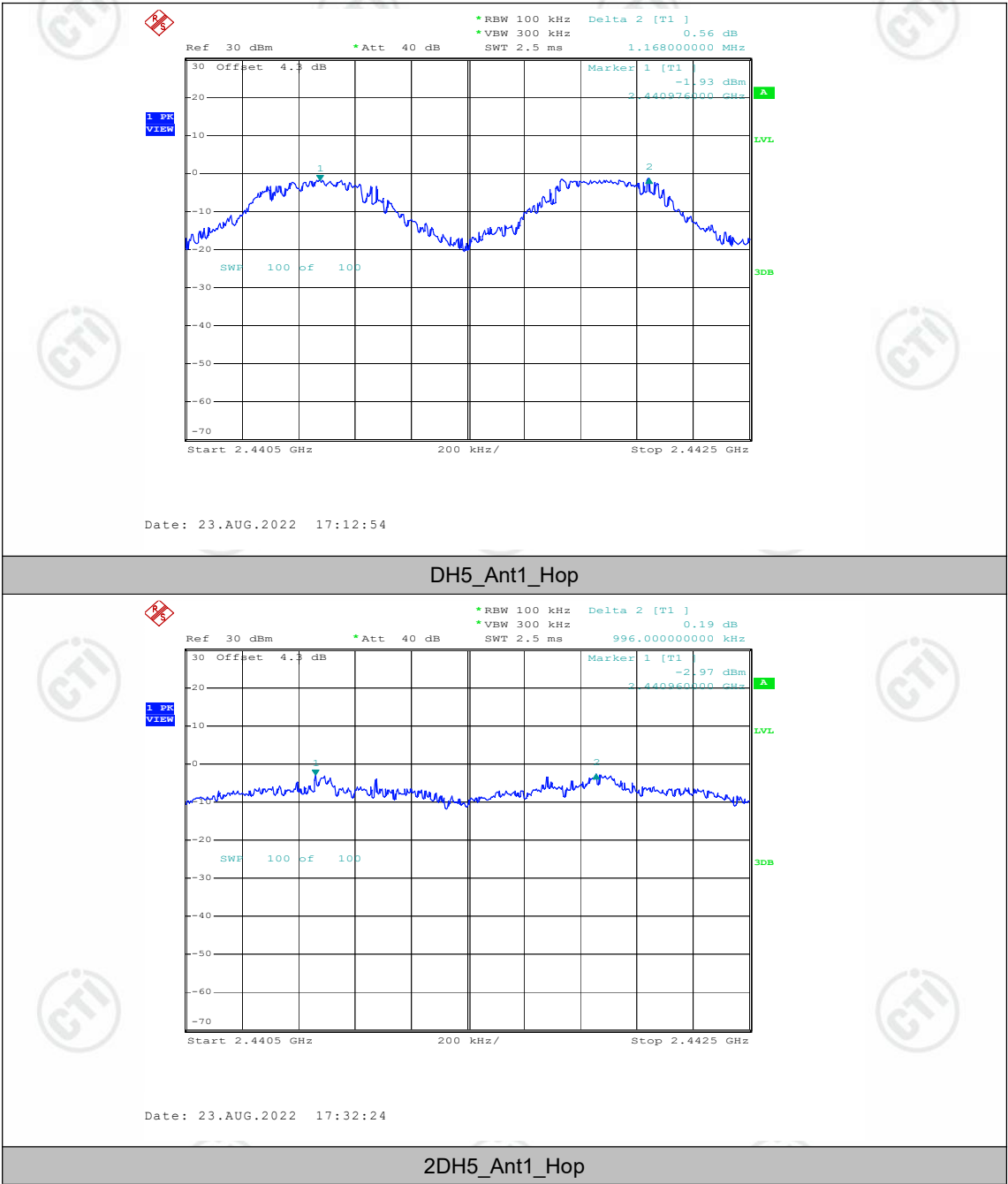


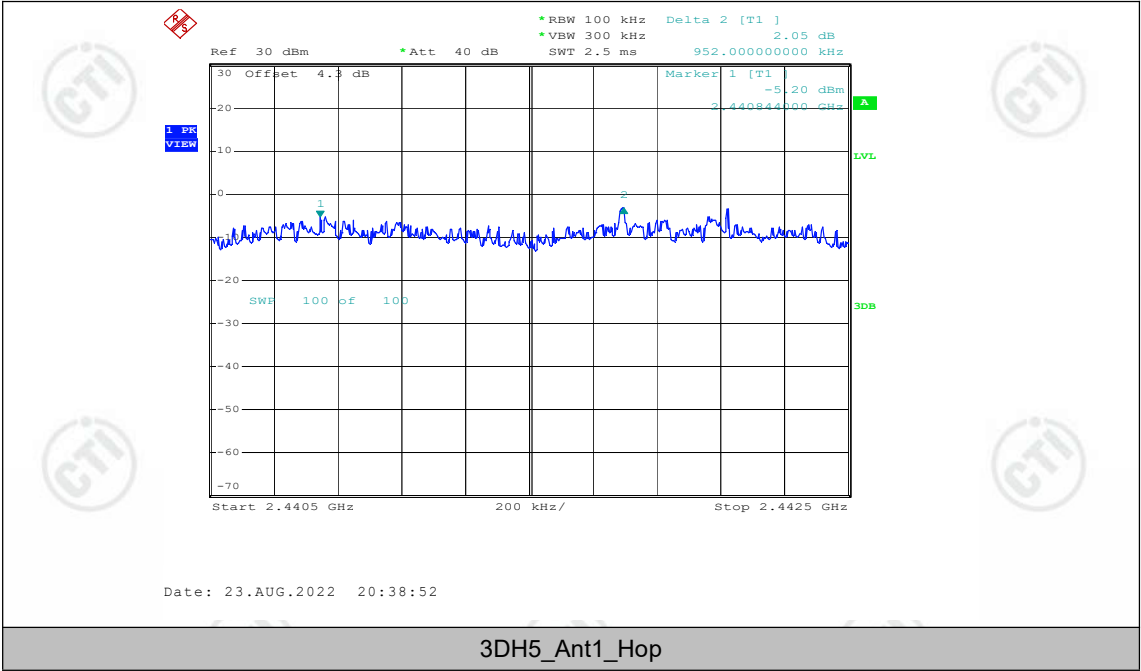
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.168	≥0.950	PASS
2DH5	Ant1	Hop	0.996	≥0.853	PASS
3DH5	Ant1	Hop	0.952	≥0.853	PASS

Test Graphs



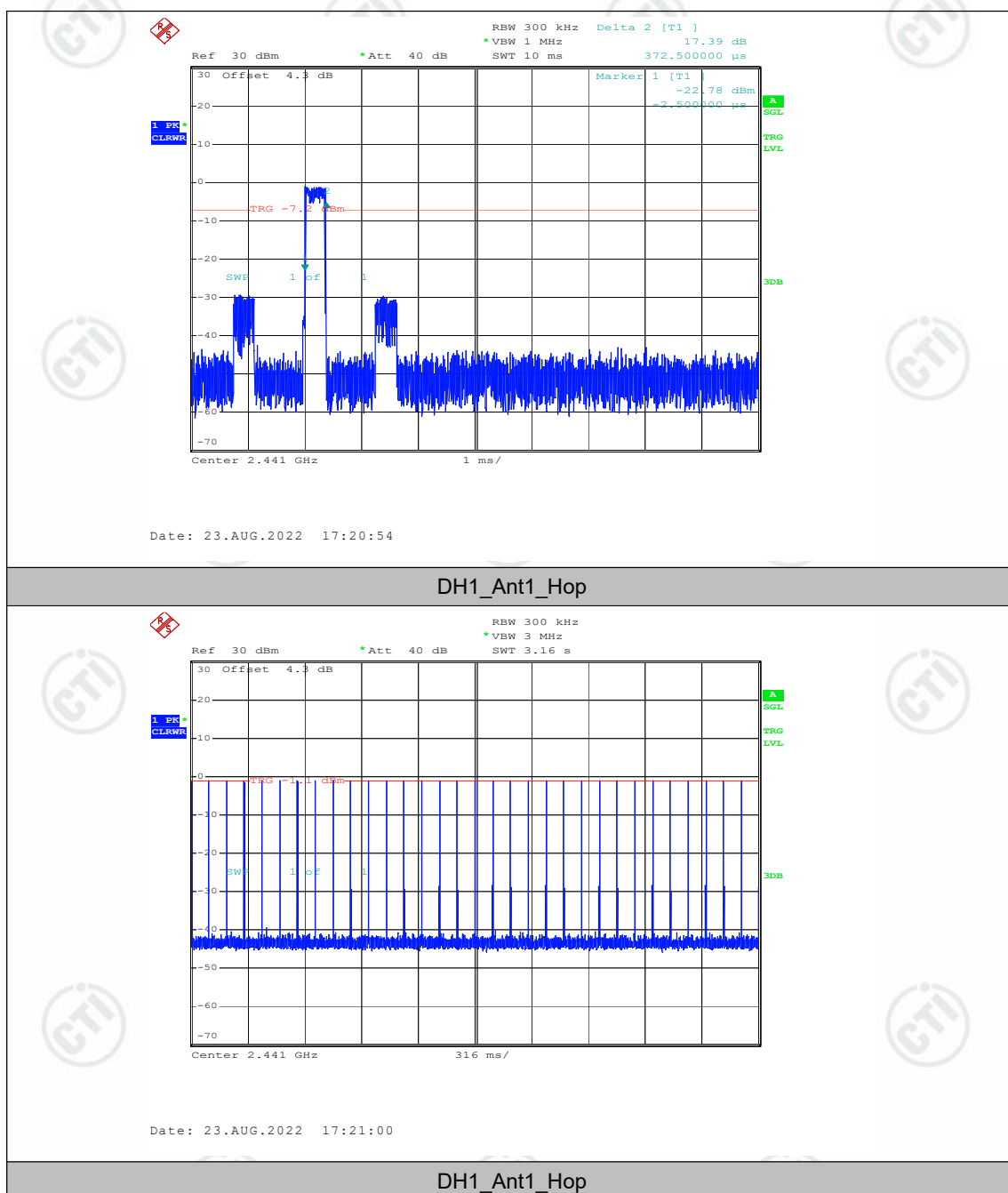


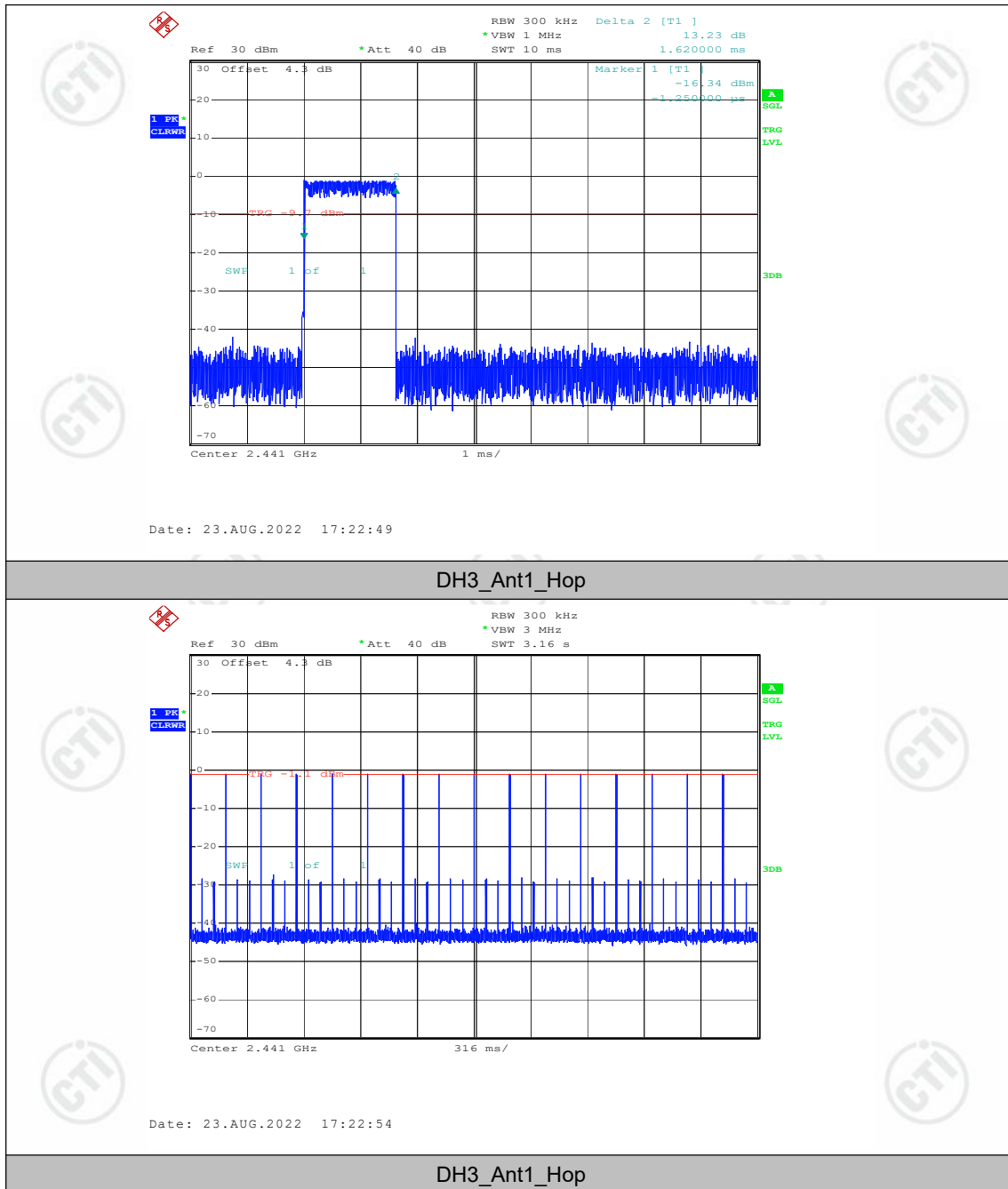
Appendix E: Time of occupancy

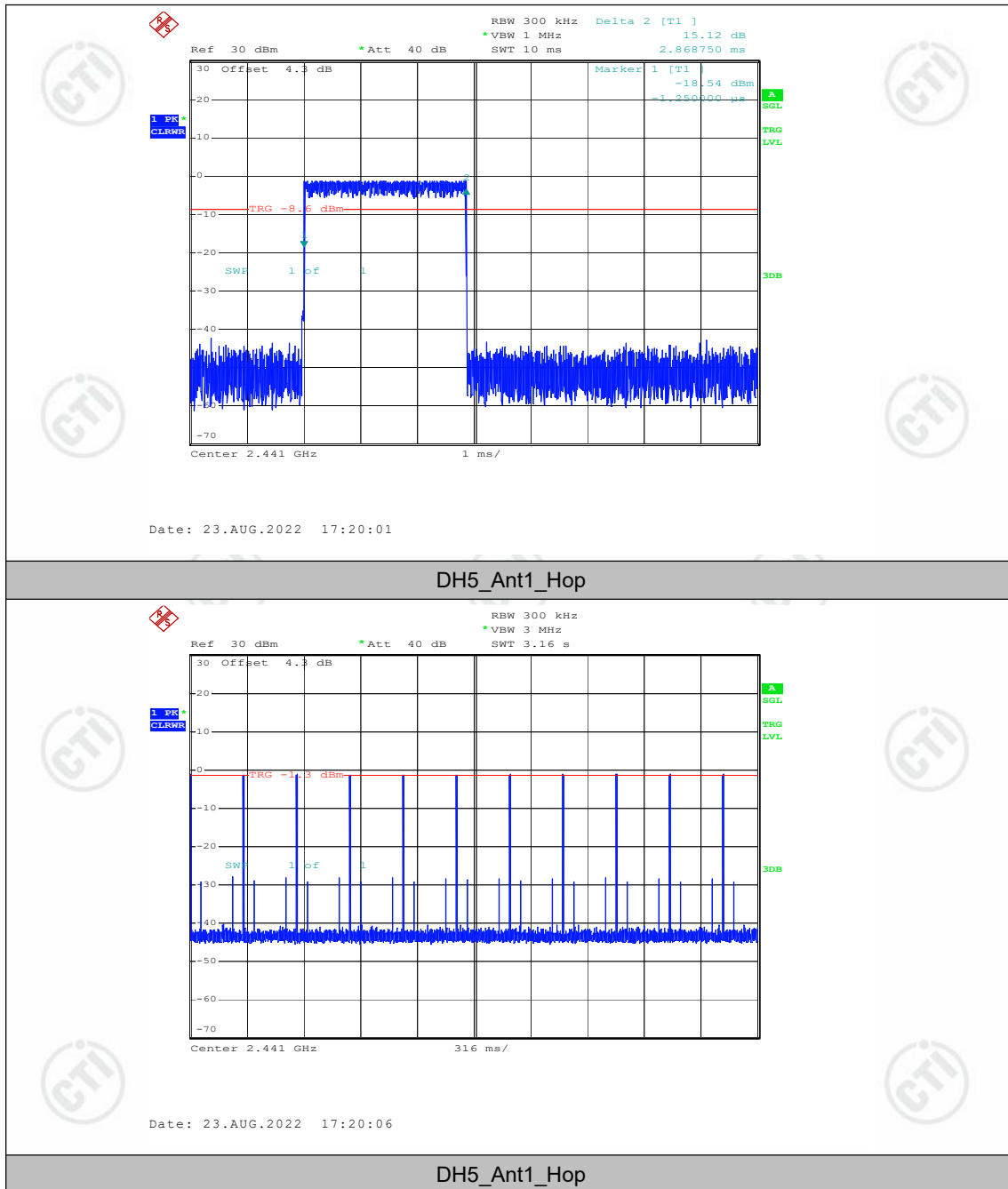
Test Result

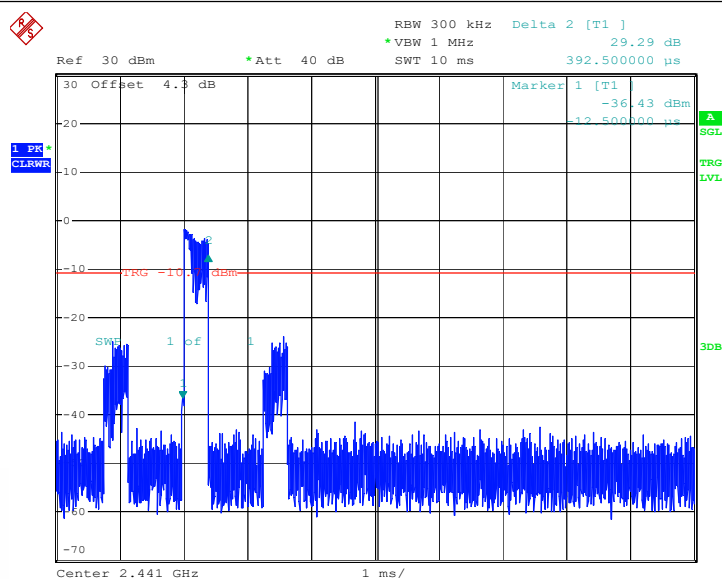
Test Mode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	320	0.119	≤0.4	PASS
DH3	Ant1	Hop	1.62	150	0.243	≤0.4	PASS
DH5	Ant1	Hop	2.87	110	0.316	≤0.4	PASS
2DH1	Ant1	Hop	0.4	320	0.128	≤0.4	PASS
2DH3	Ant1	Hop	1.63	160	0.261	≤0.4	PASS
2DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS
3DH1	Ant1	Hop	0.38	320	0.122	≤0.4	PASS
3DH3	Ant1	Hop	1.63	160	0.261	≤0.4	PASS
3DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS

Test Graphs



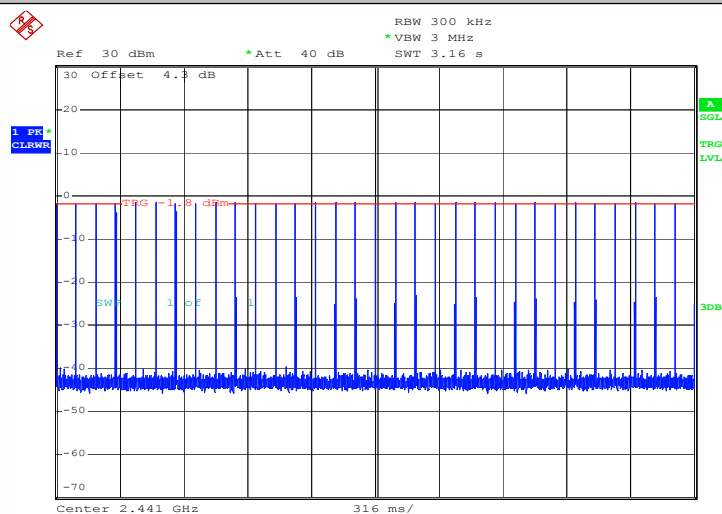






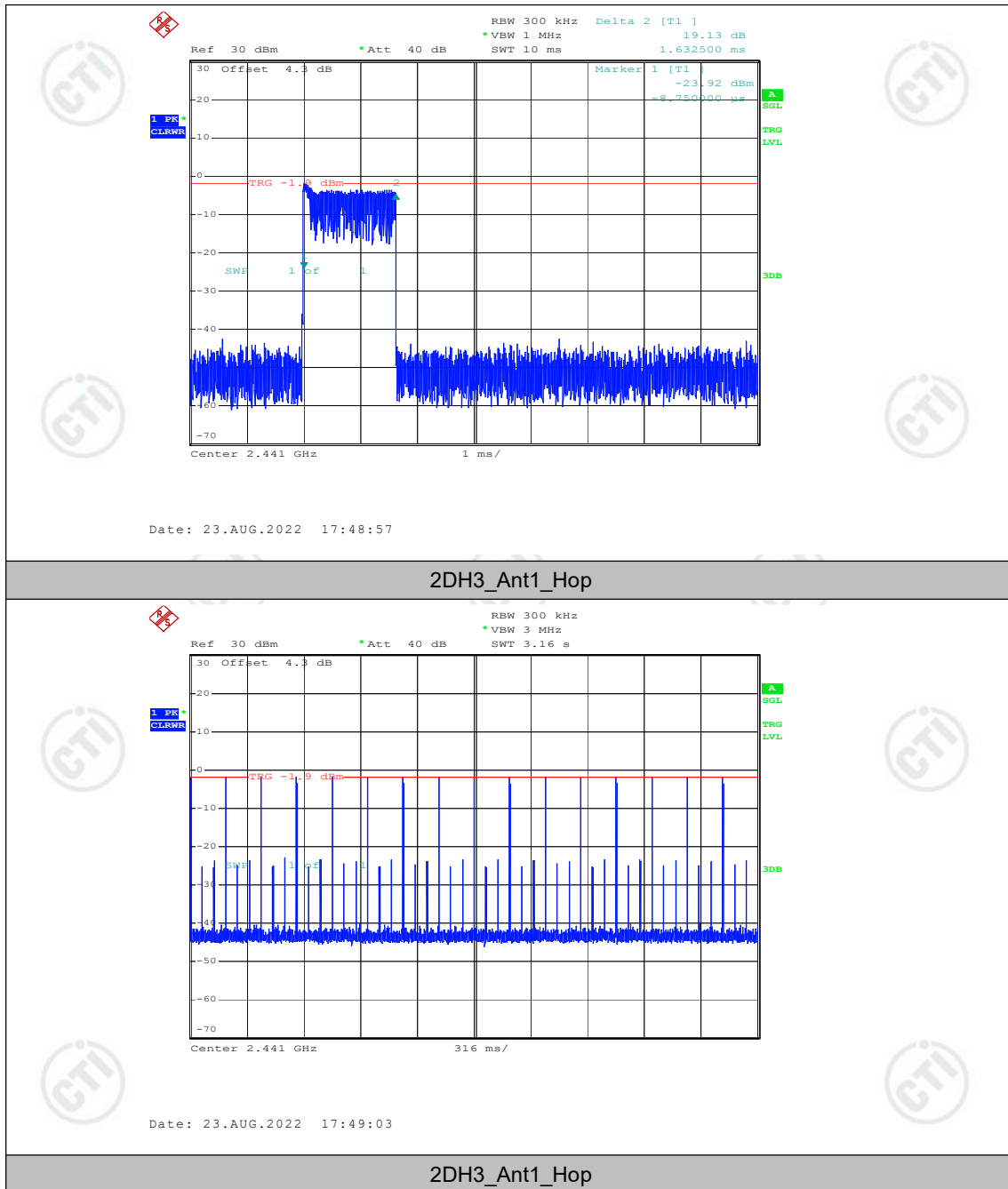
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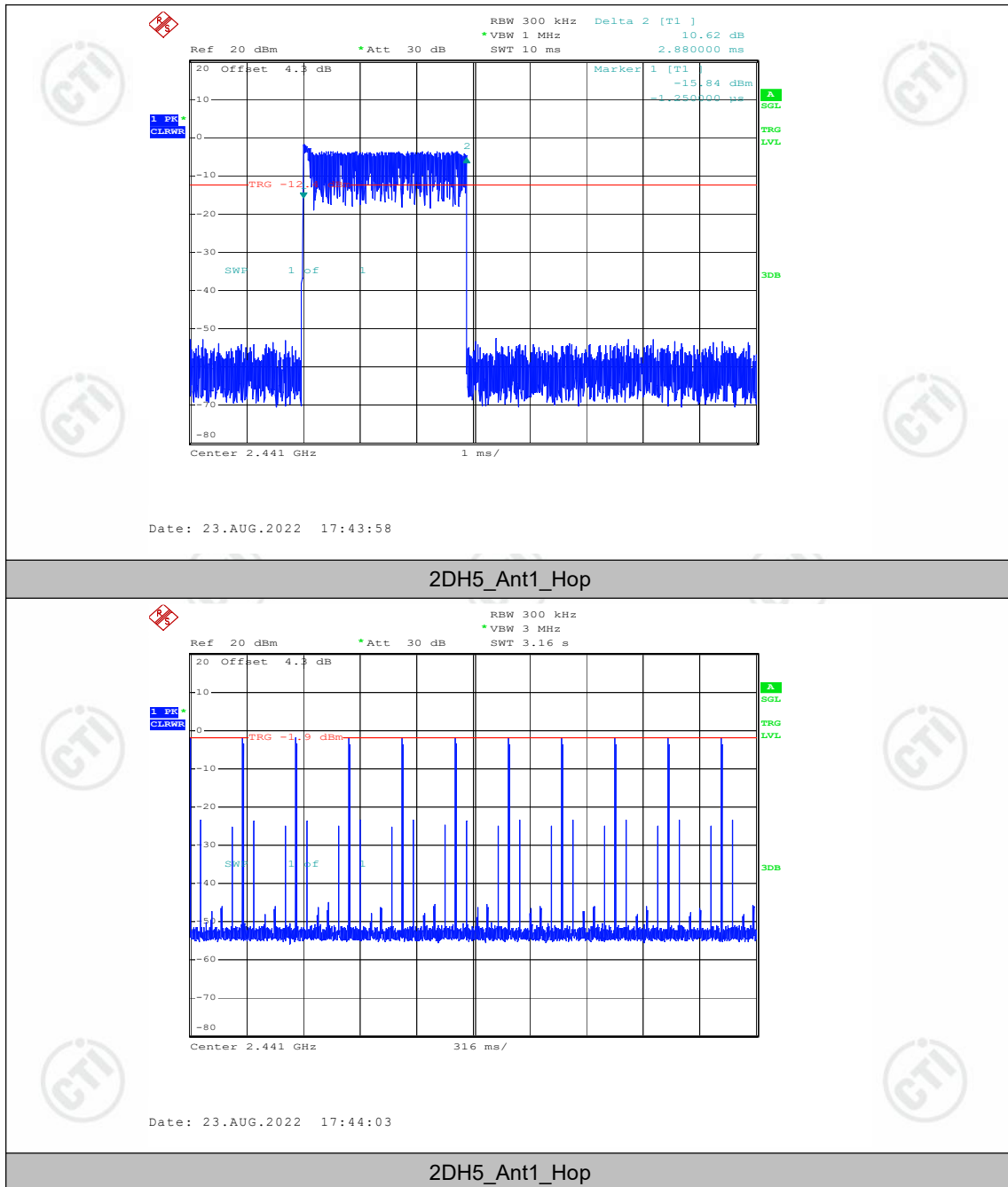
2DH1_Ant1_Hop

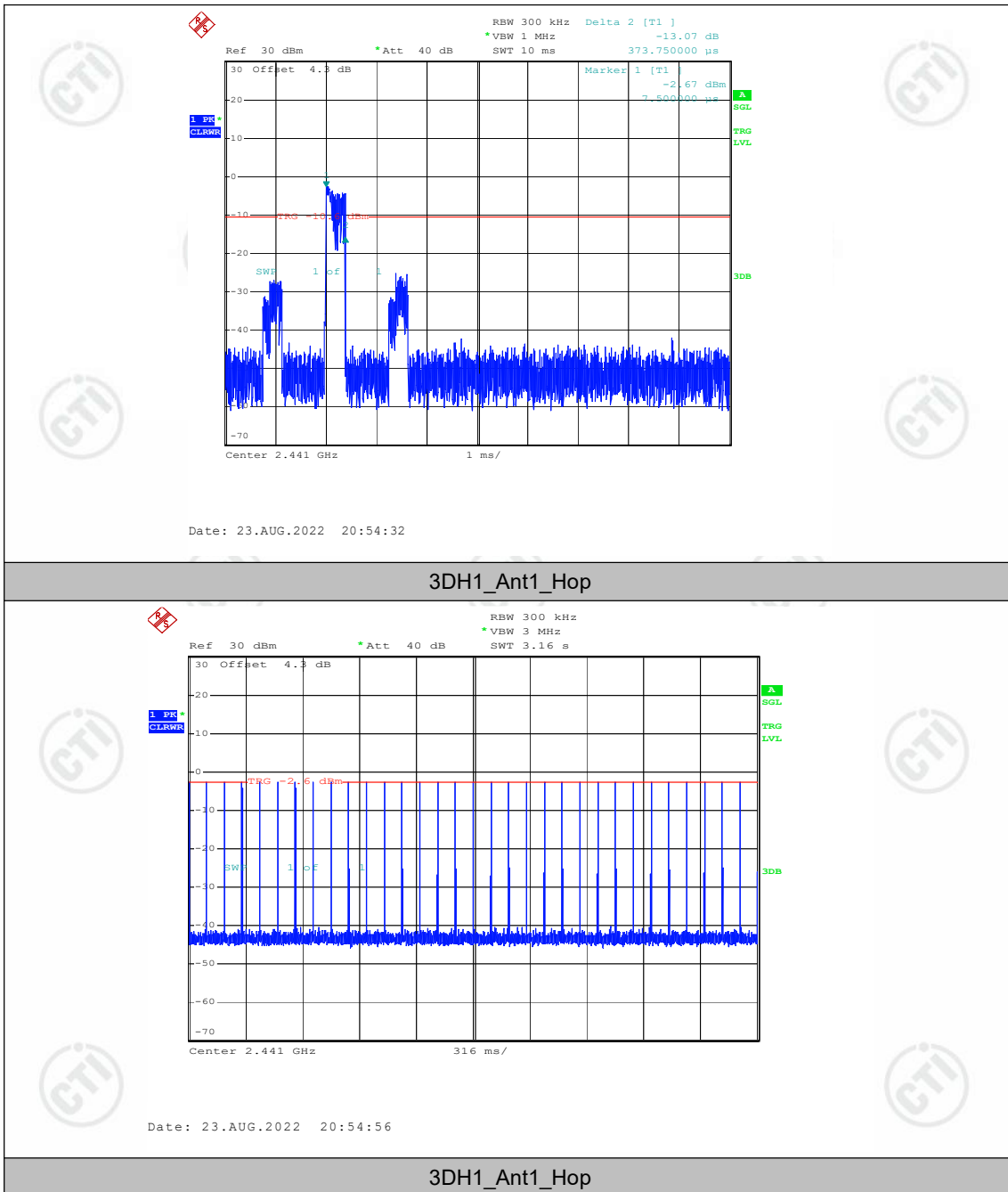


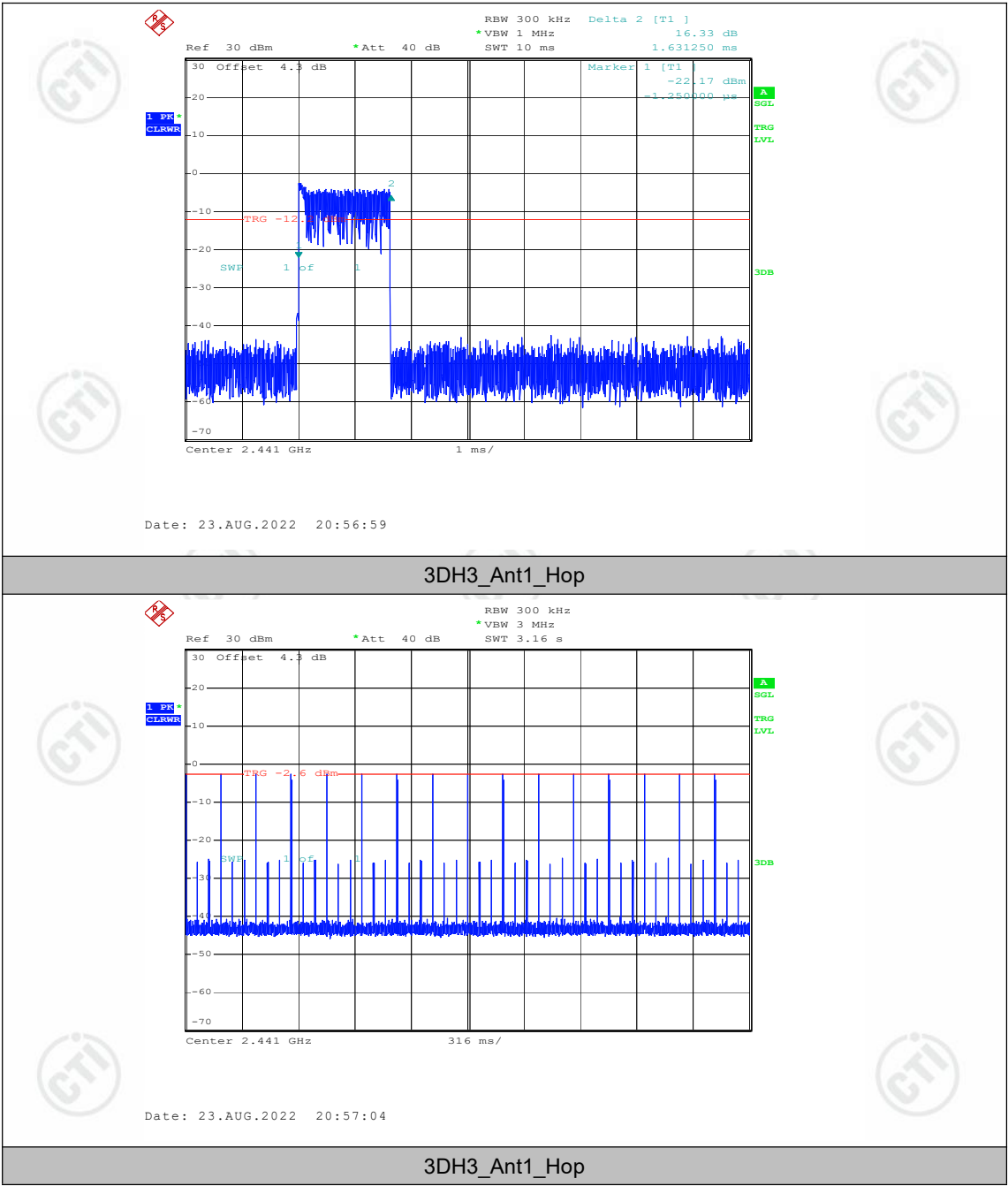
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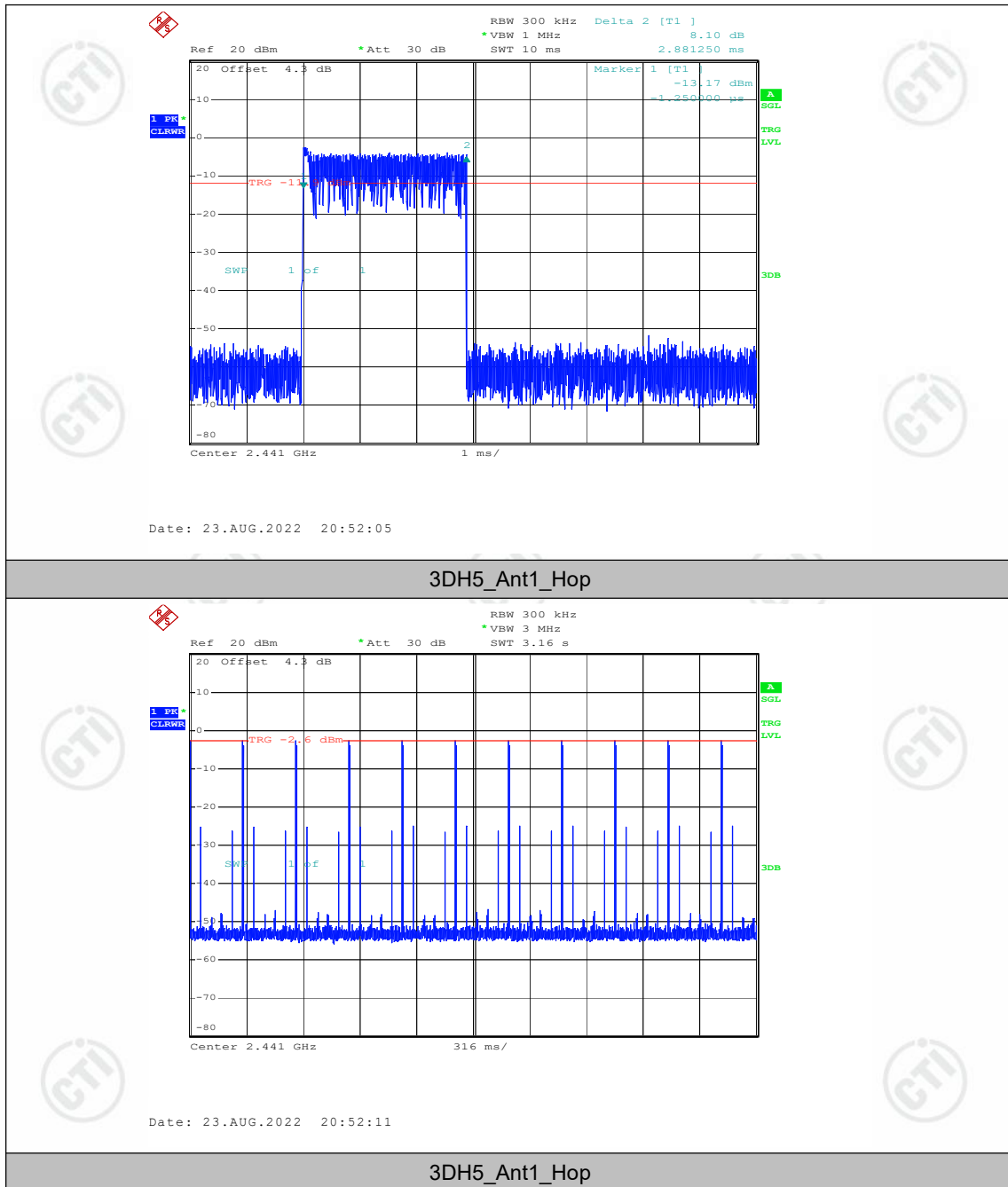
2DH1_Ant1_Hop









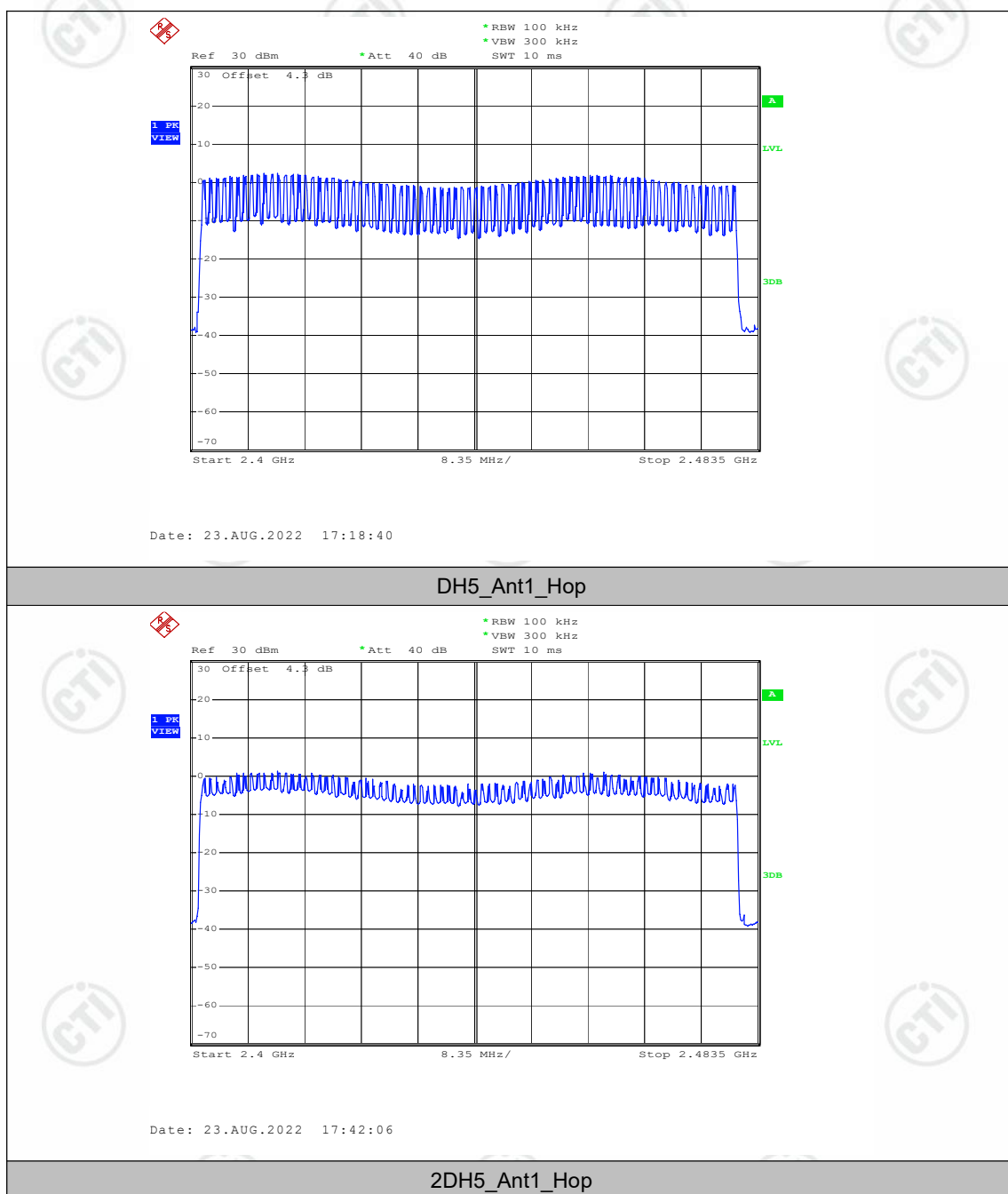


Appendix F: Number of hopping channels

Test Result

Test Mode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

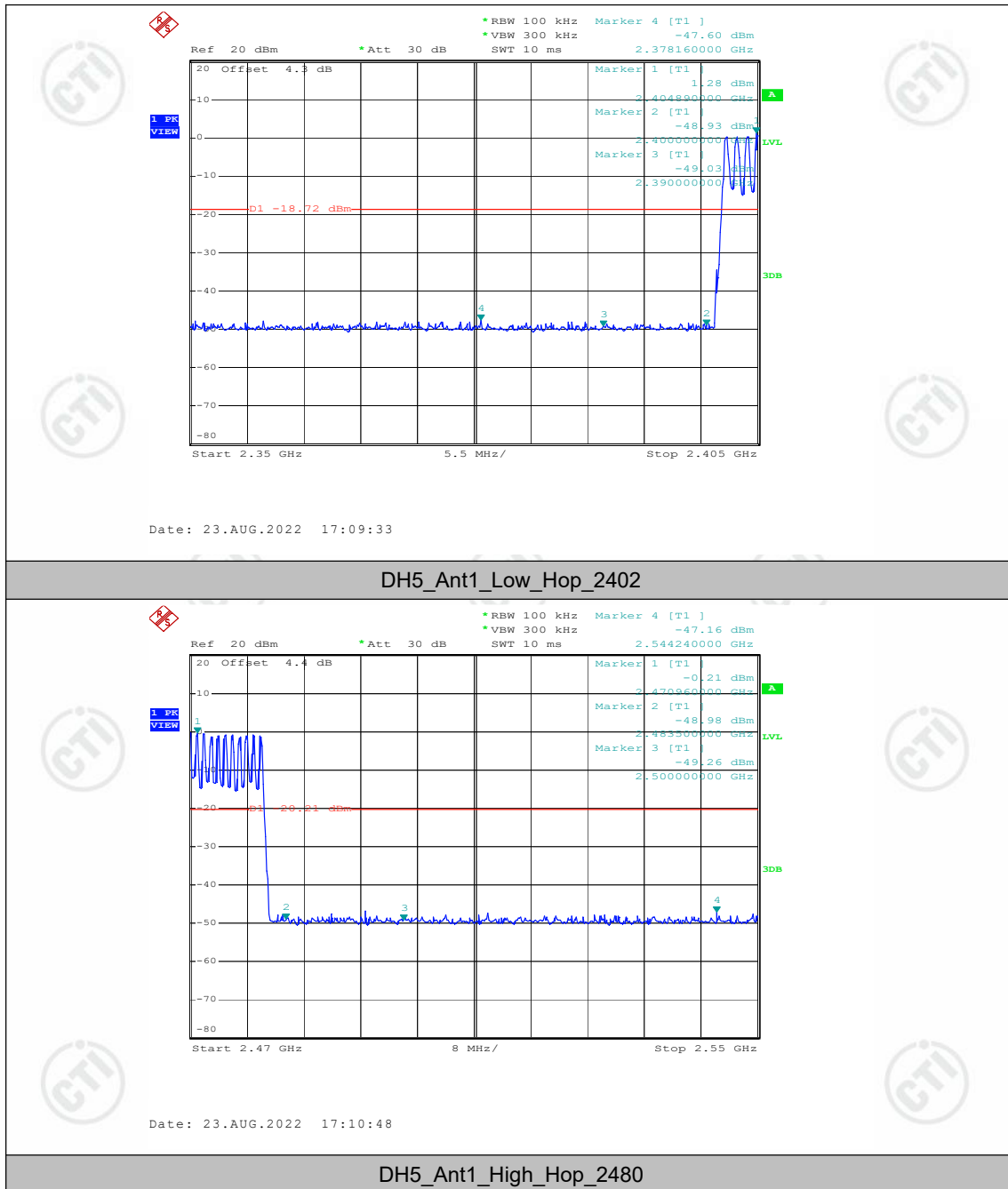


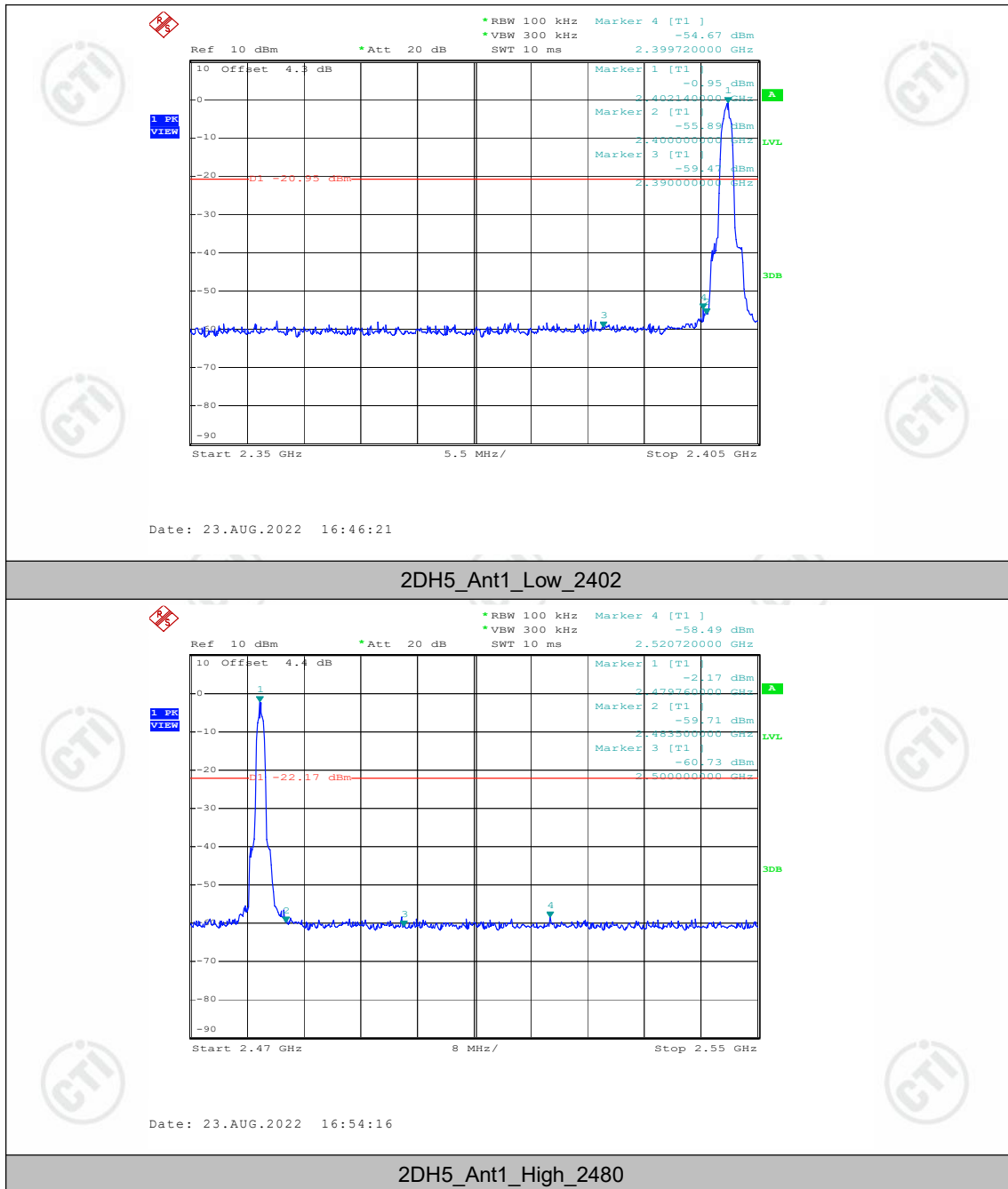


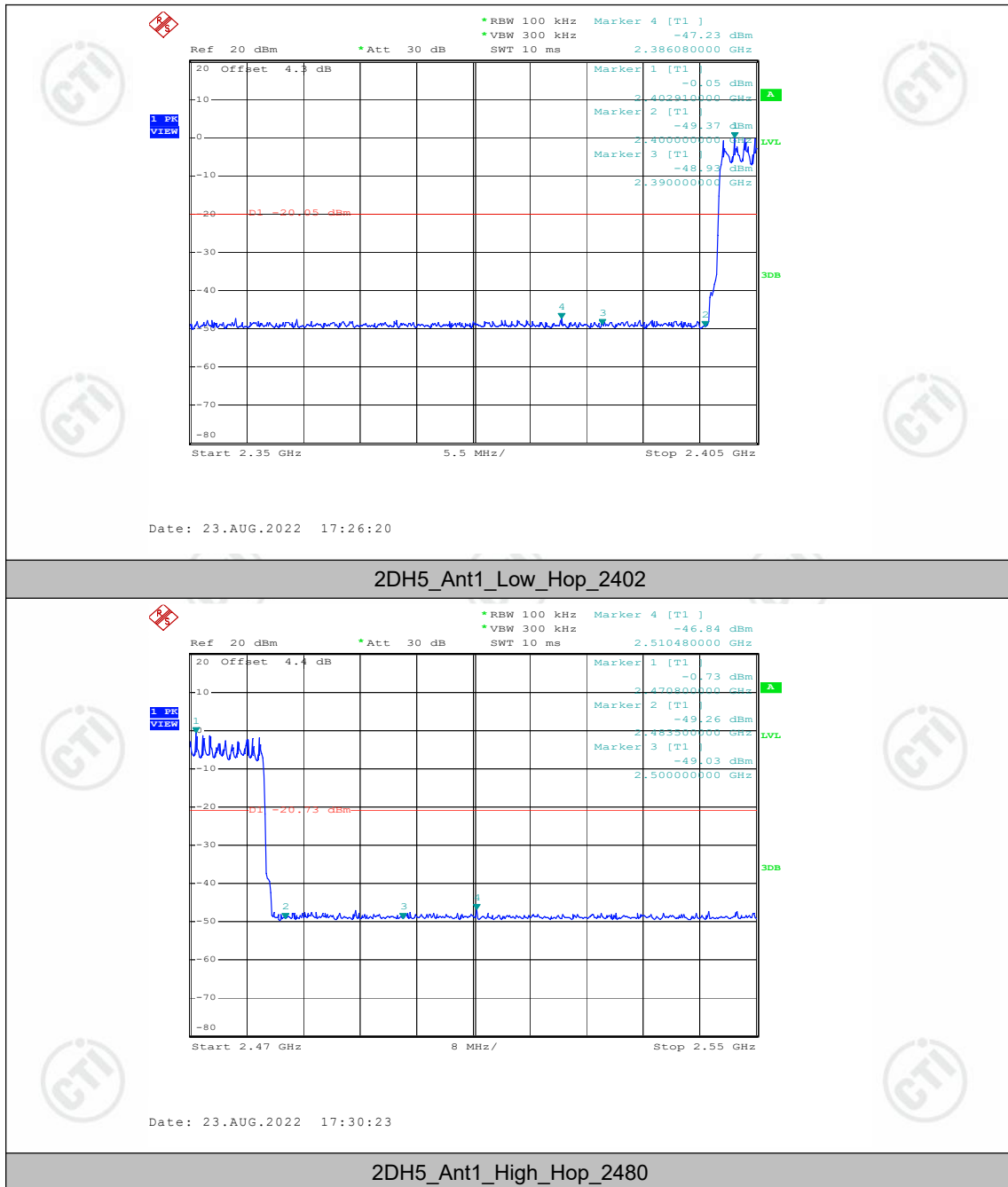
Appendix G:Band edge measurements

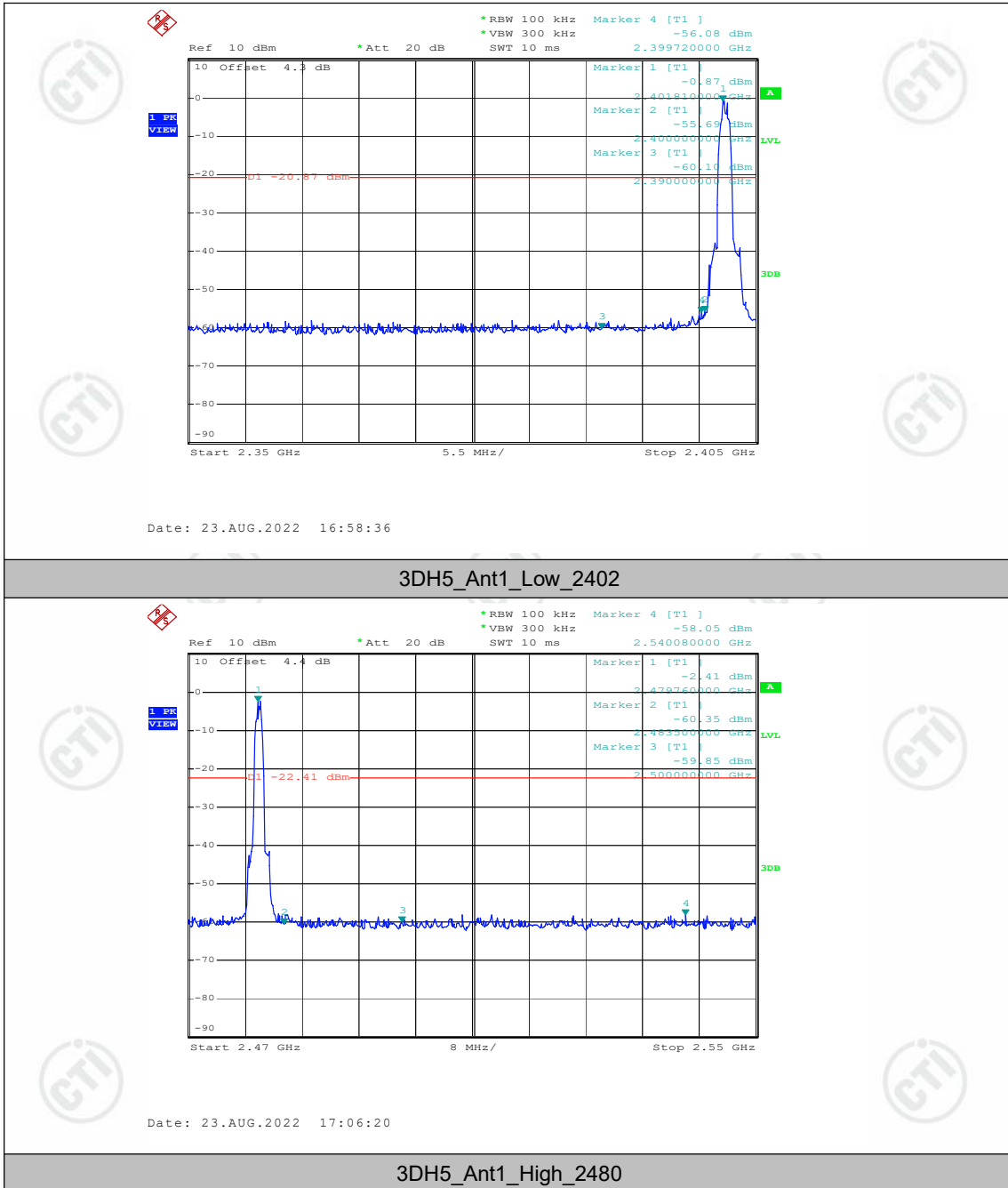
Test Result

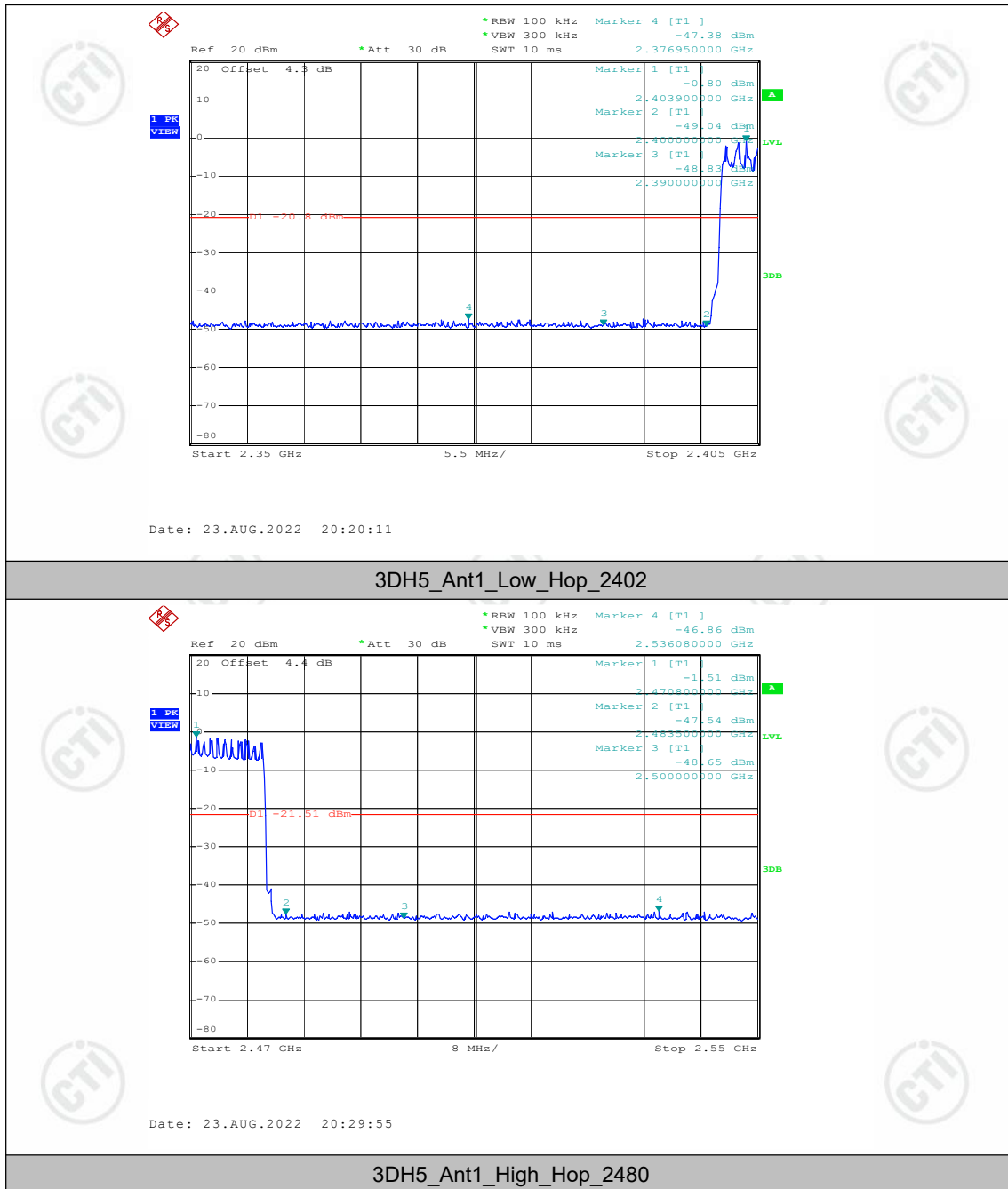
Test Mode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.71	-53.46	≤-19.29	PASS
		High	2480	-0.72	-57.61	≤-20.72	PASS
		Low	Hop_2402	1.28	-47.6	≤-18.72	PASS
		High	Hop_2480	-0.21	-47.16	≤-20.21	PASS
2DH5	Ant1	Low	2402	-0.95	-54.67	≤-20.95	PASS
		High	2480	-2.17	-58.49	≤-22.17	PASS
		Low	Hop_2402	-0.05	-47.23	≤-20.05	PASS
		High	Hop_2480	-0.73	-46.84	≤-20.73	PASS
3DH5	Ant1	Low	2402	-0.87	-56.08	≤-20.87	PASS
		High	2480	-2.41	-58.05	≤-22.41	PASS
		Low	Hop_2402	-0.80	-47.38	≤-20.8	PASS
		High	Hop_2480	-1.51	-46.86	≤-21.51	PASS







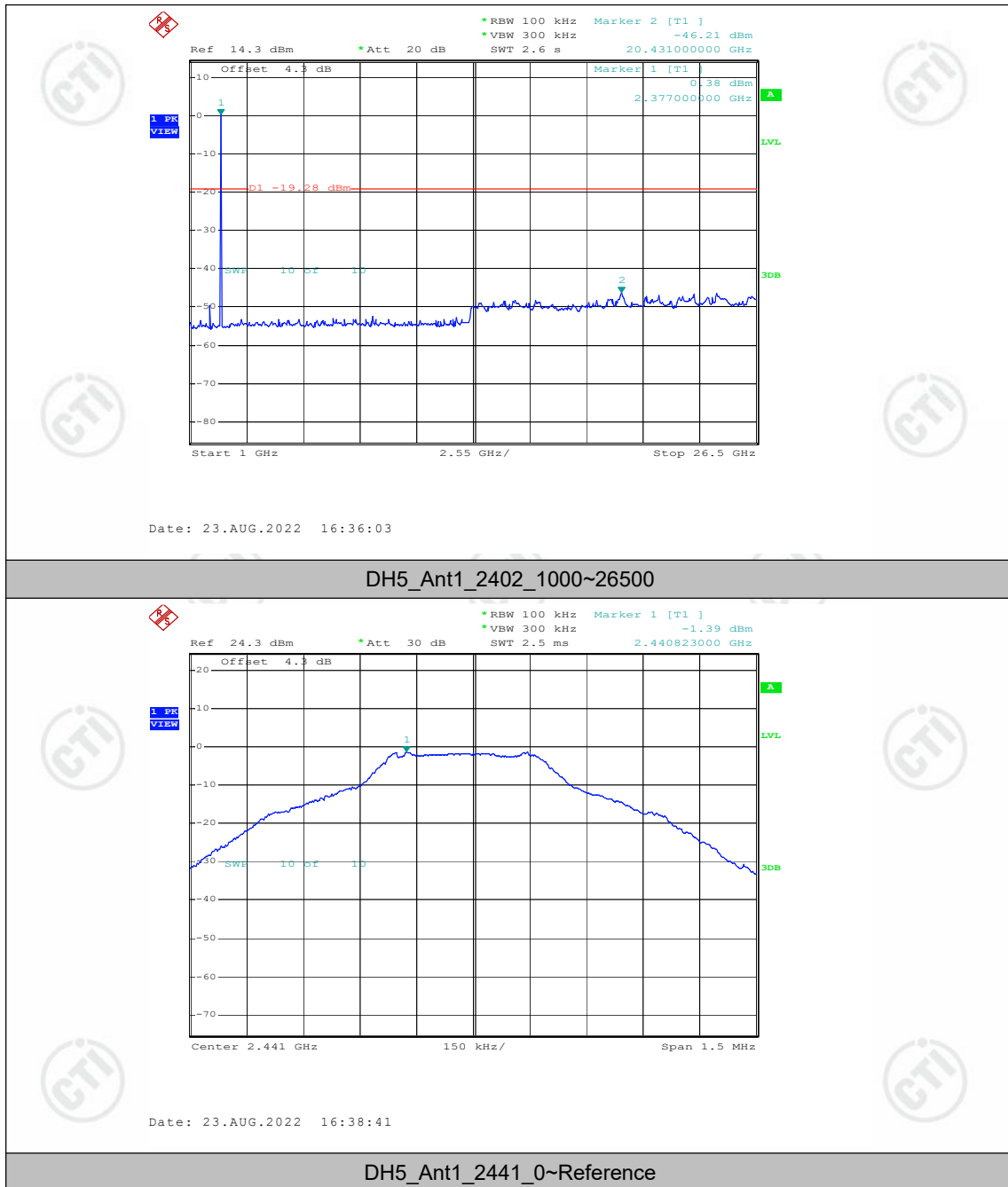


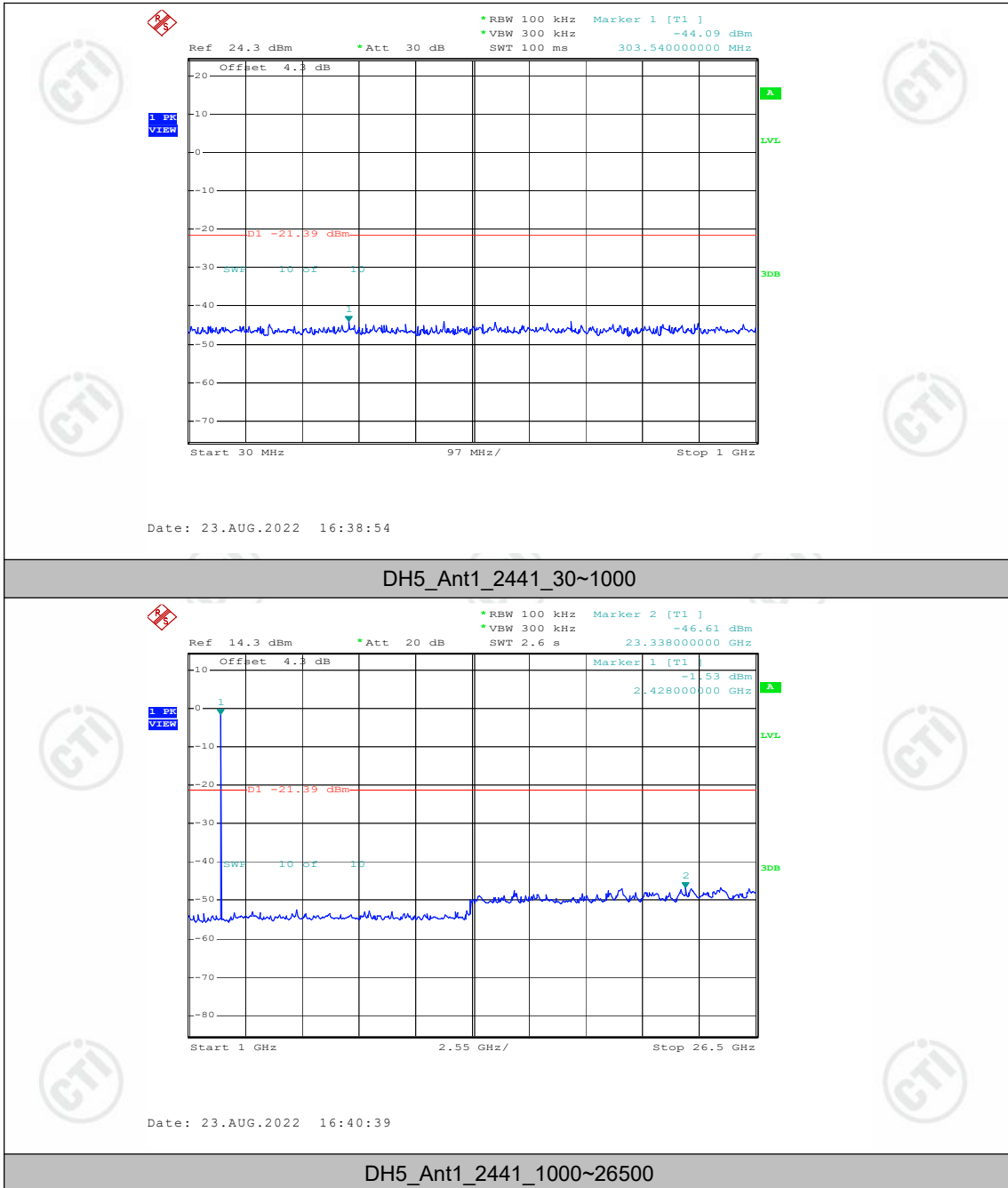


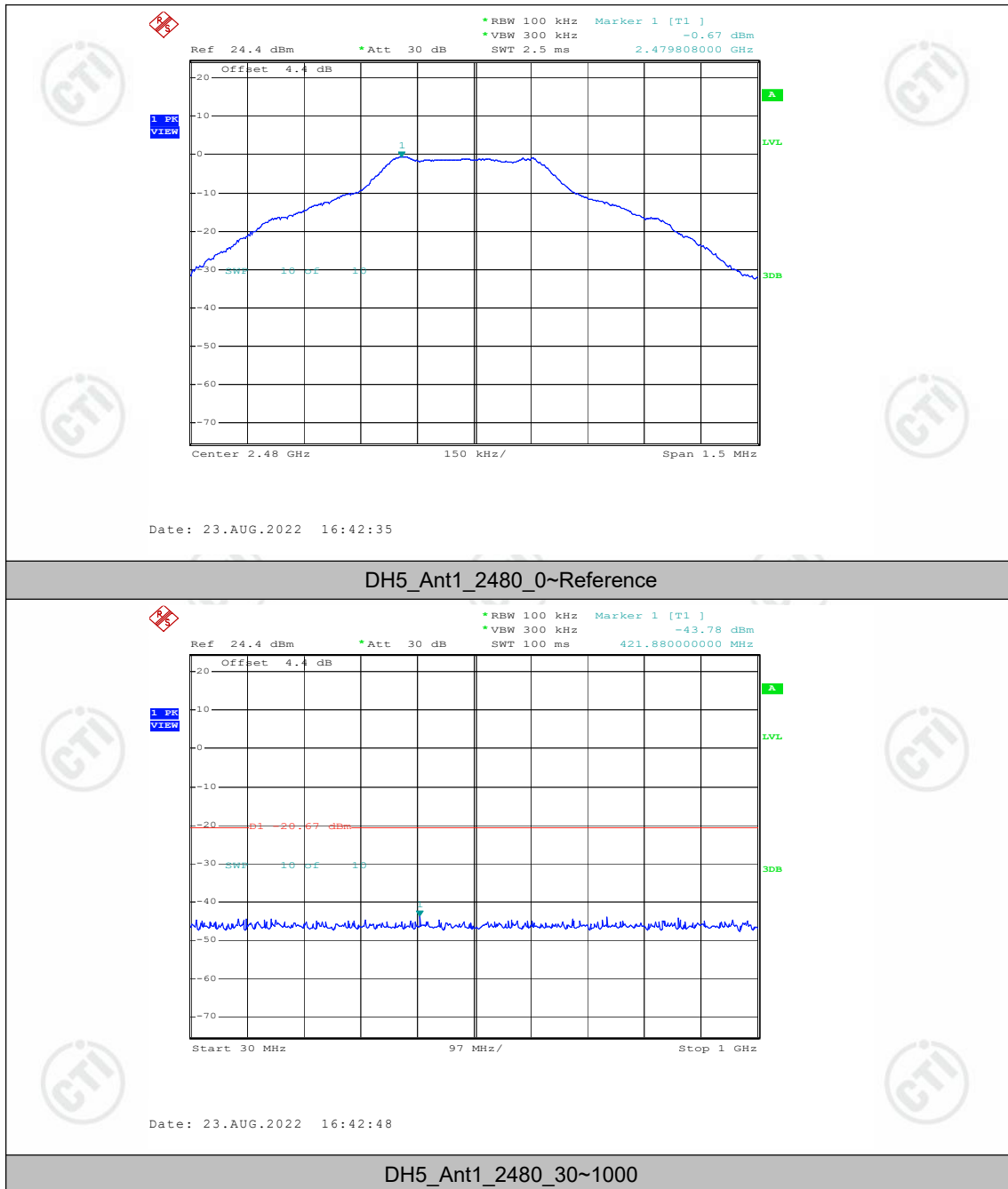
Appendix H:Conducted Spurious Emission

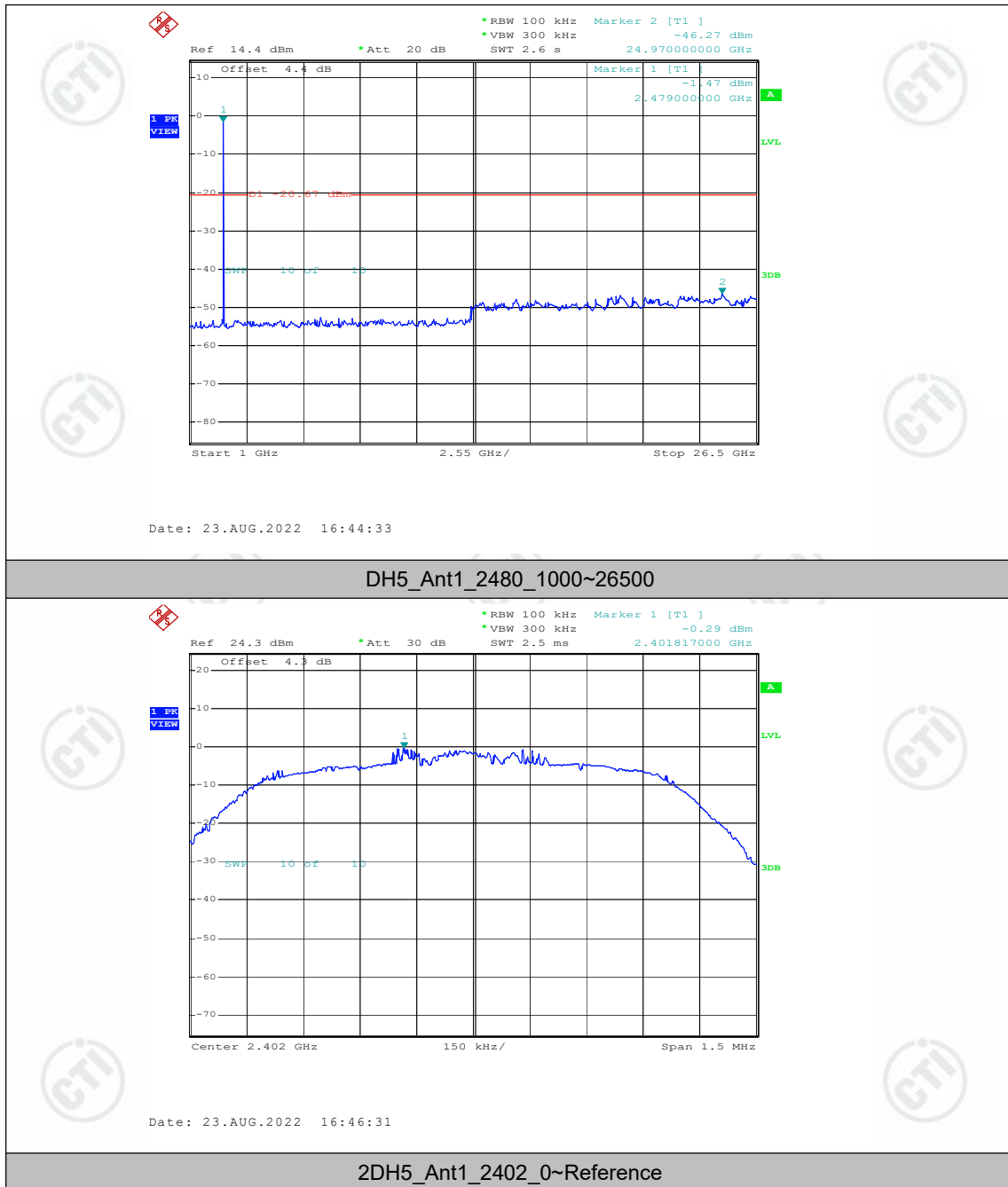
Test Result

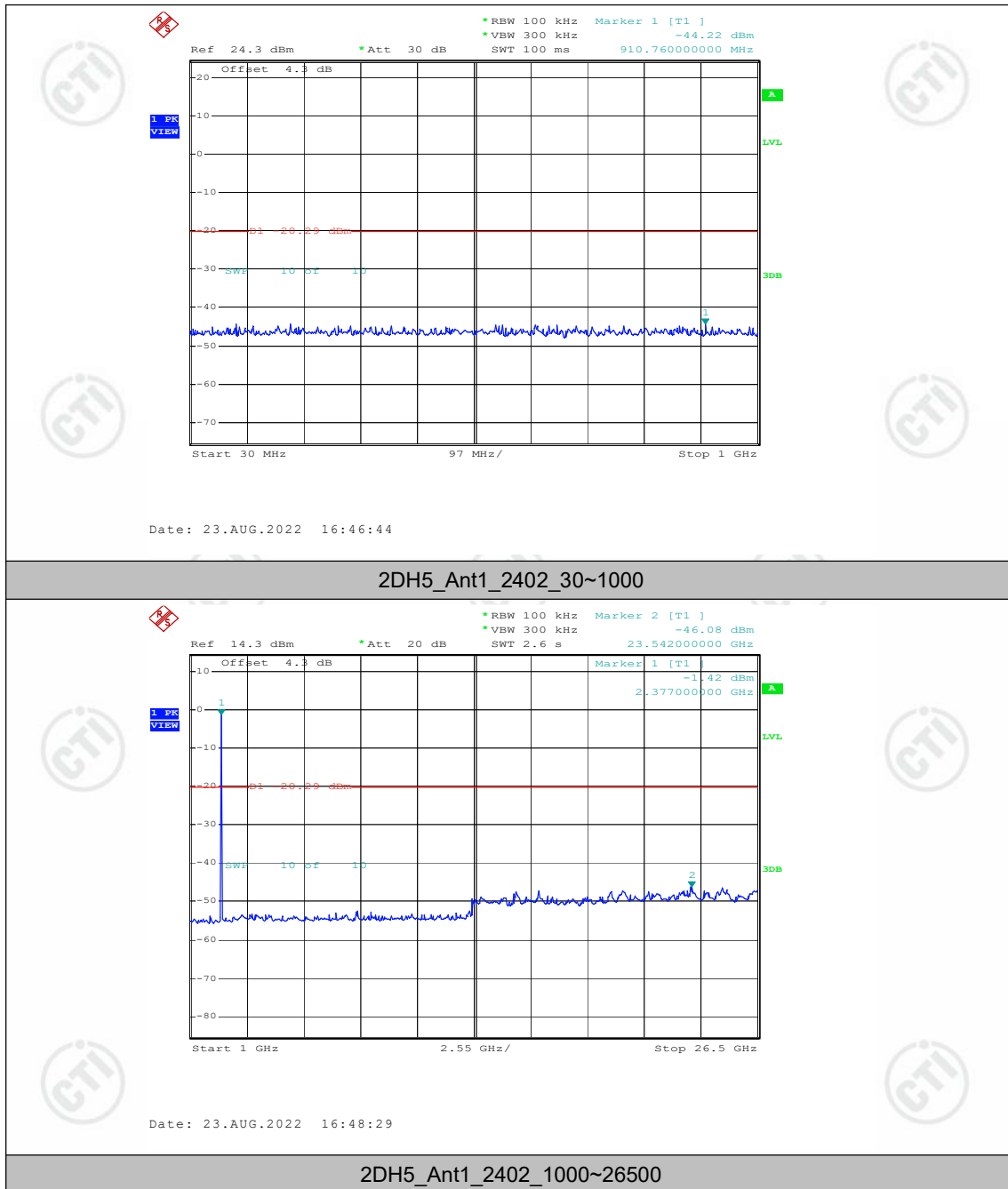
Test Mode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.72	0.72	---	PASS
			30~1000	0.72	-43	≤-19.28	PASS
			1000~26500	0.72	-46.21	≤-19.28	PASS
		2441	Reference	-1.39	-1.39	---	PASS
			30~1000	-1.39	-44.09	≤-21.39	PASS
			1000~26500	-1.39	-46.61	≤-21.39	PASS
		2480	Reference	-0.67	-0.67	---	PASS
			30~1000	-0.67	-43.78	≤-20.67	PASS
			1000~26500	-0.67	-46.27	≤-20.67	PASS
2DH5	Ant1	2402	Reference	-0.29	-0.29	---	PASS
			30~1000	-0.29	-44.22	≤-20.29	PASS
			1000~26500	-0.29	-46.08	≤-20.29	PASS
		2441	Reference	-2.21	-2.21	---	PASS
			30~1000	-2.21	-44.28	≤-22.21	PASS
			1000~26500	-2.21	-45.97	≤-22.21	PASS
		2480	Reference	-1.64	-1.64	---	PASS
			30~1000	-1.64	-43.95	≤-21.64	PASS
			1000~26500	-1.64	-46.1	≤-21.64	PASS
3DH5	Ant1	2402	Reference	-0.92	-0.92	---	PASS
			30~1000	-0.92	-44.05	≤-20.92	PASS
			1000~26500	-0.92	-46.69	≤-20.92	PASS
		2441	Reference	-2.82	-2.82	---	PASS
			30~1000	-2.82	-43.06	≤-22.82	PASS
			1000~26500	-2.82	-46.32	≤-22.82	PASS
		2480	Reference	-2.37	-2.37	---	PASS
			30~1000	-2.37	-43.18	≤-22.37	PASS
			1000~26500	-2.37	-39.15	≤-22.37	PASS

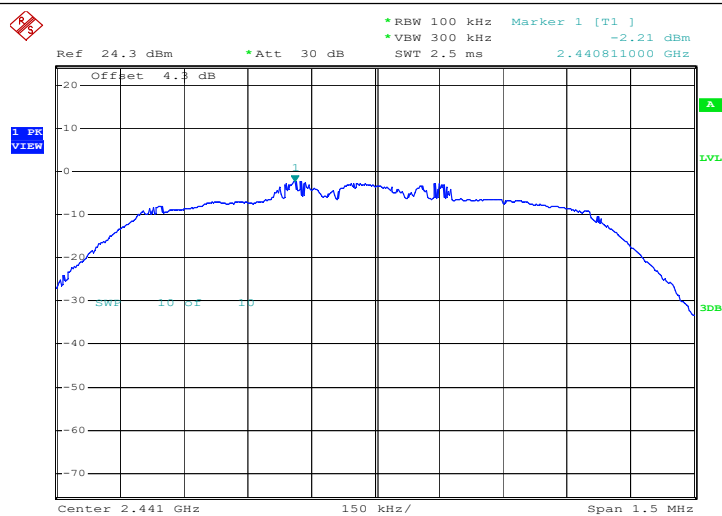






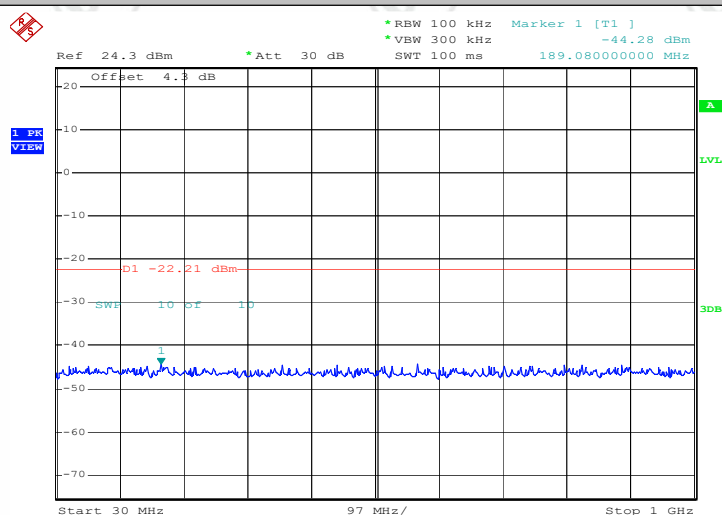






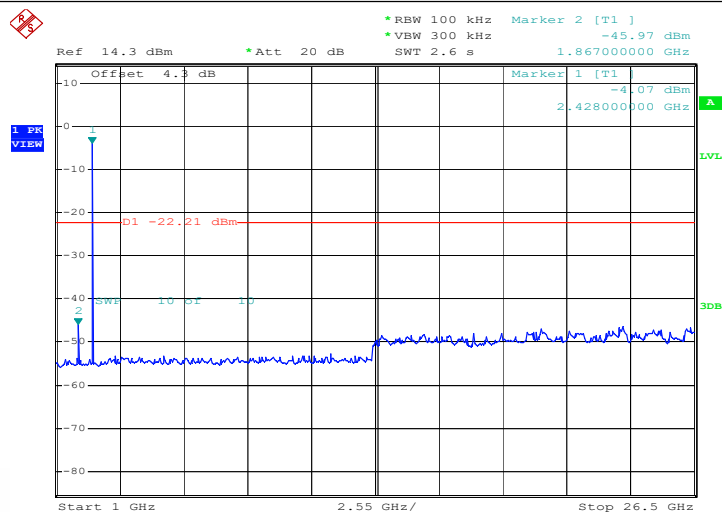
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2DH5_Ant1_2441_0~Reference



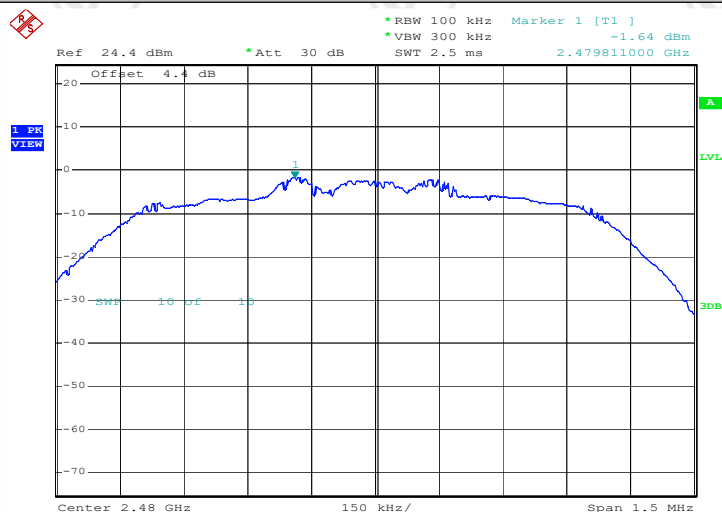
Date: 23.AUG.2022 16:50:34

2DH5_Ant1_2441_30~1000



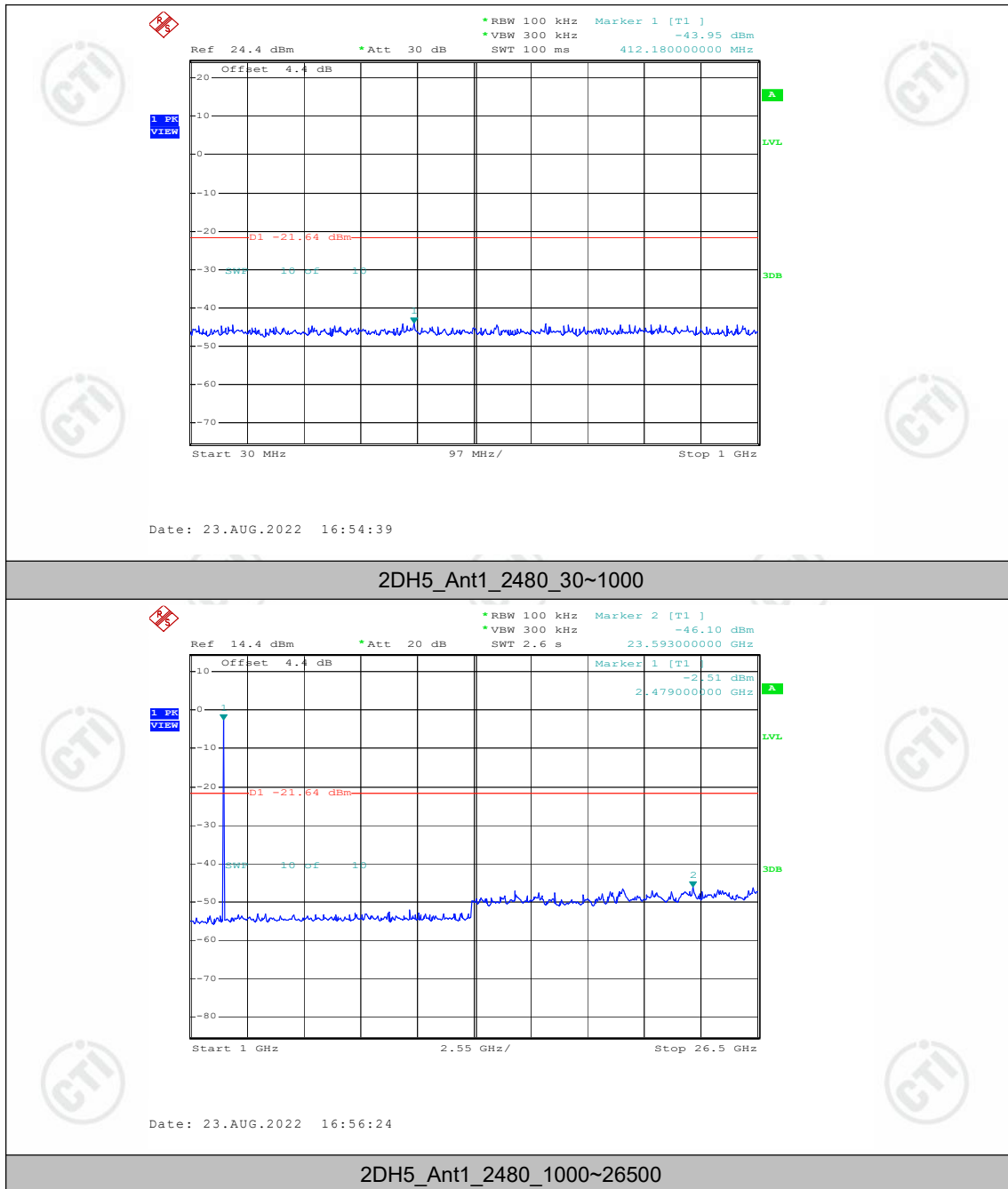
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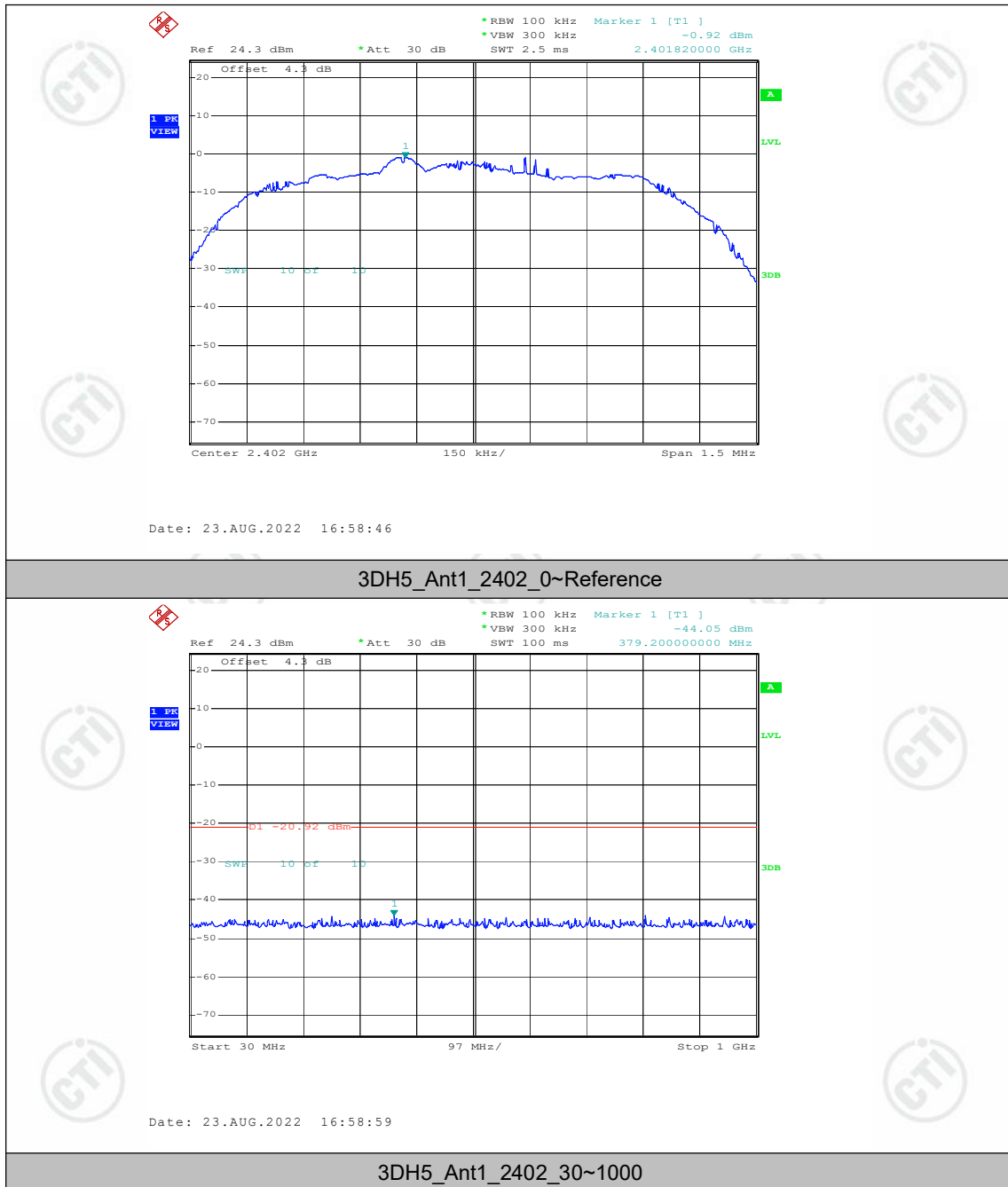
2DH5_Ant1_2441_1000~26500

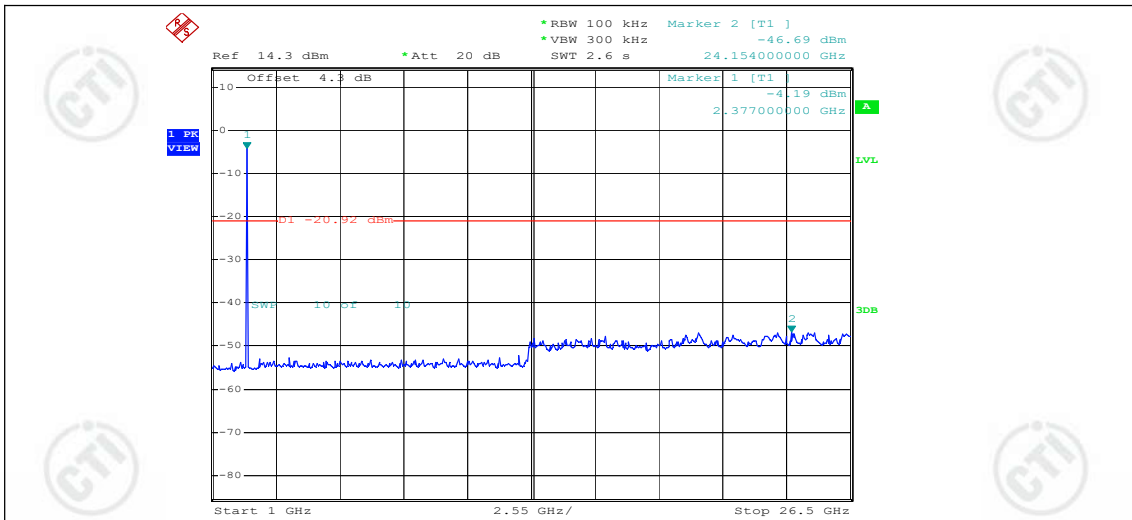


Date: 23.AUG.2022 16:54:27

2DH5_Ant1_2480_0~Reference

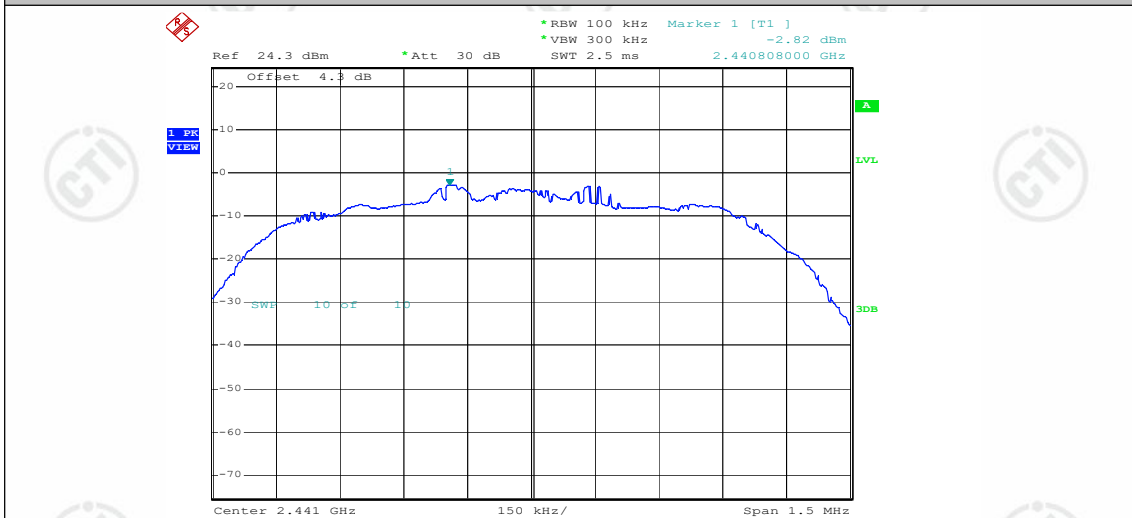






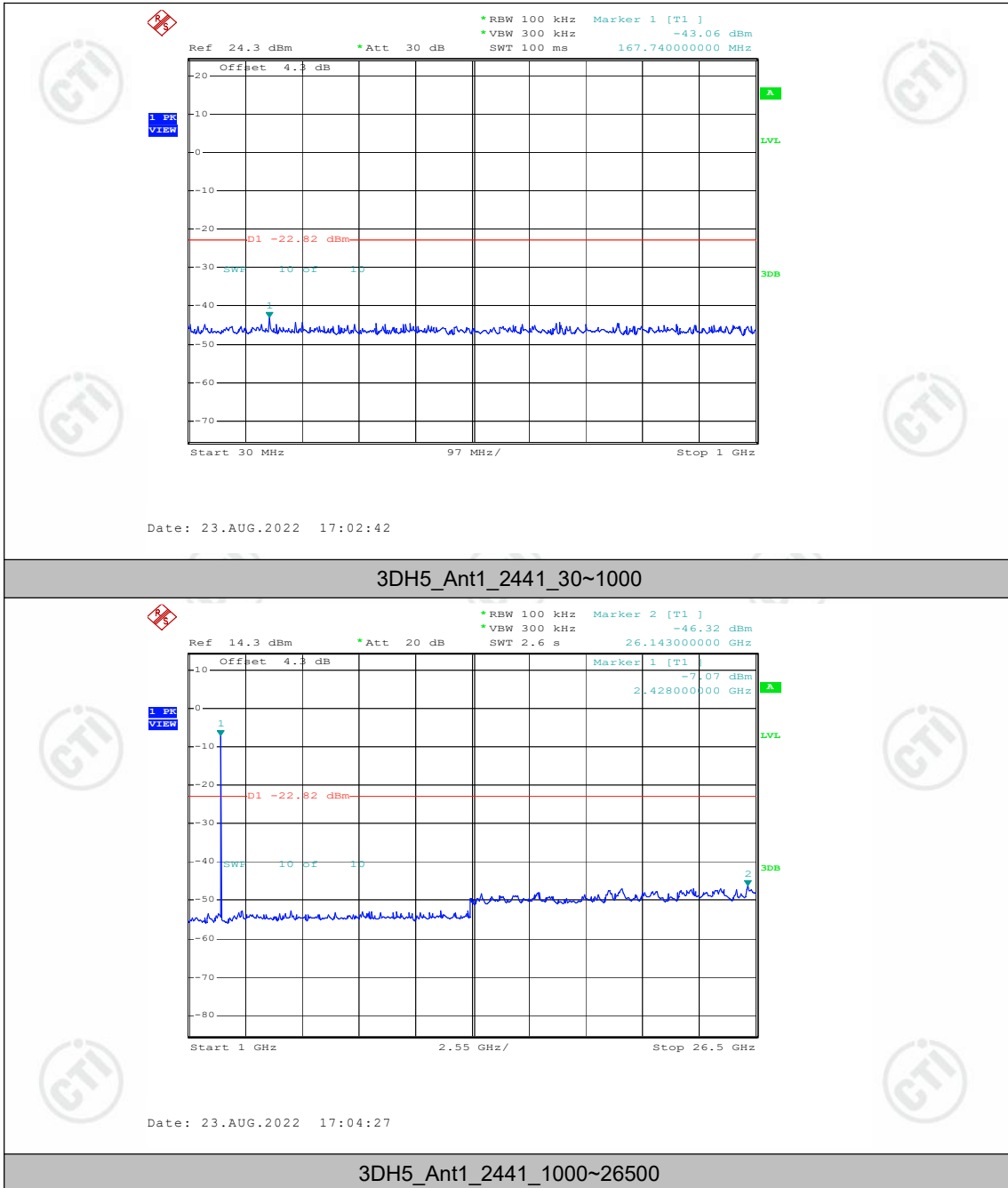
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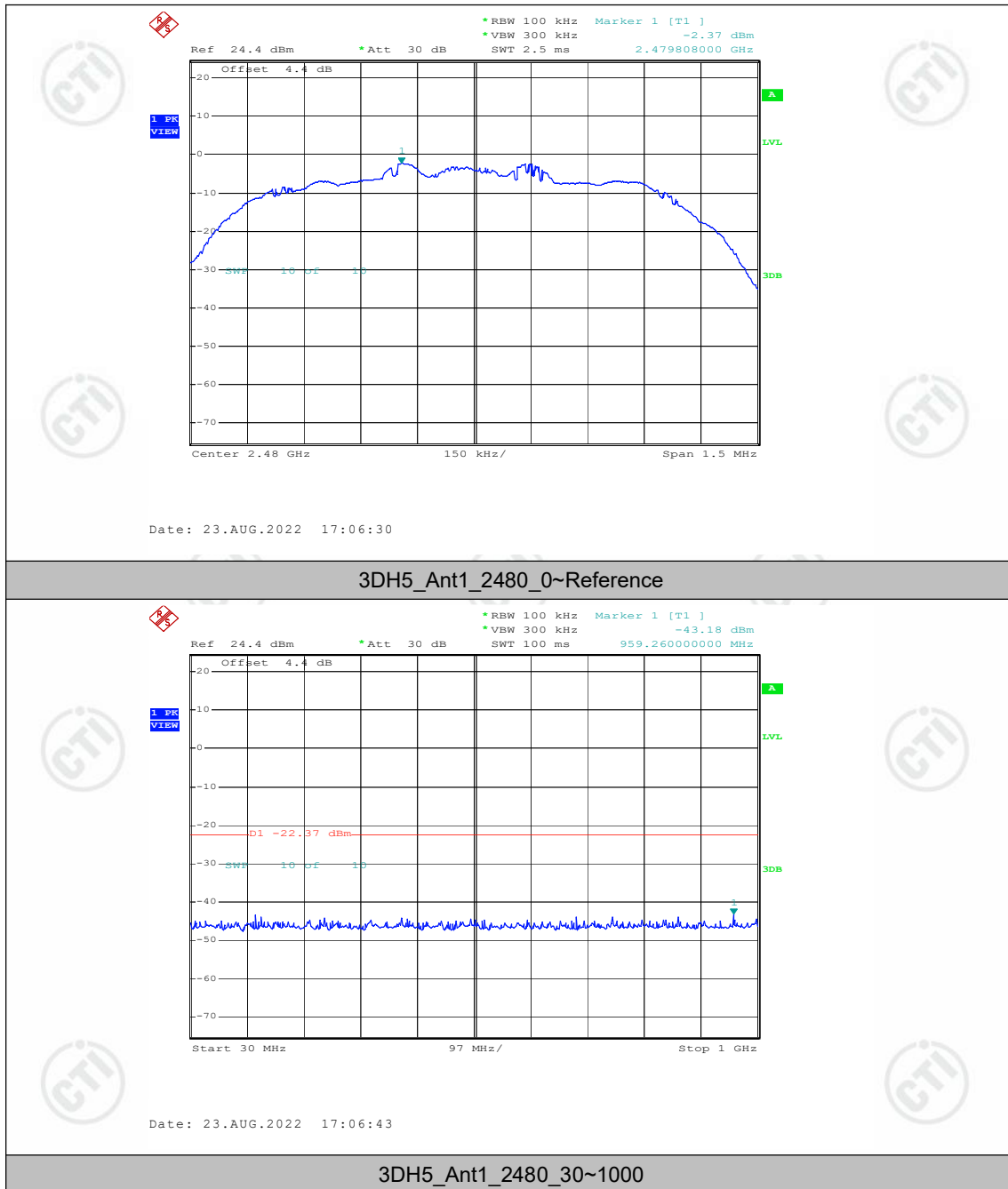
3DH5_Ant1_2402_1000~26500

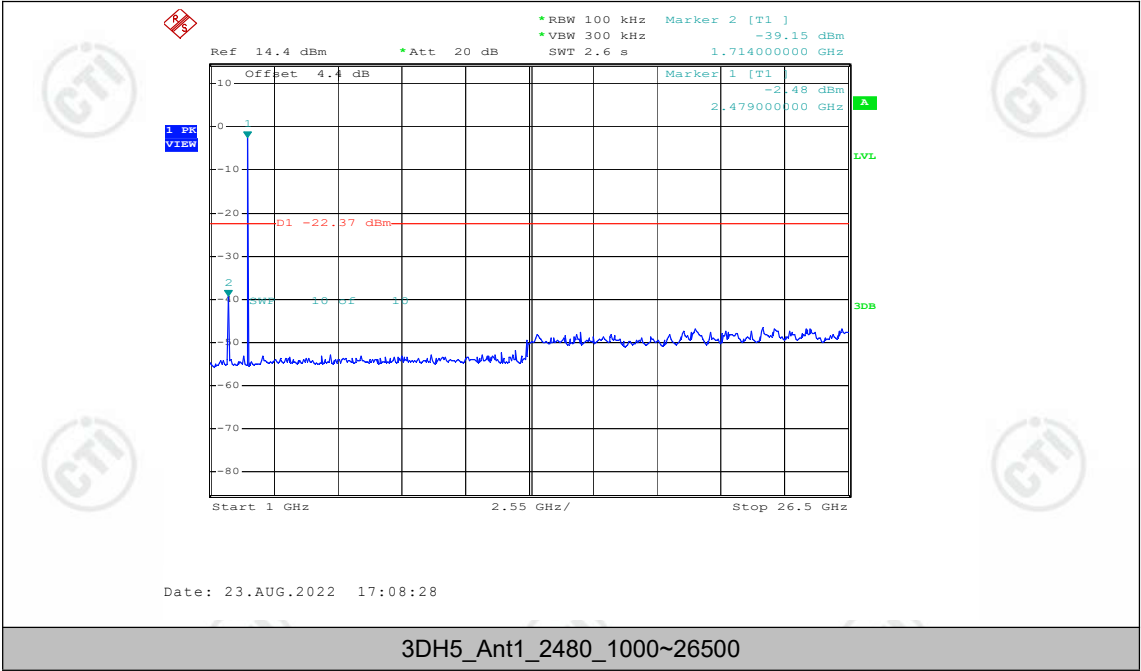


Date: 23.AUG.2022 17:02:29

3DH5_Ant1_2441_0~Reference







Appendix I: Duty Cycle

Test Result

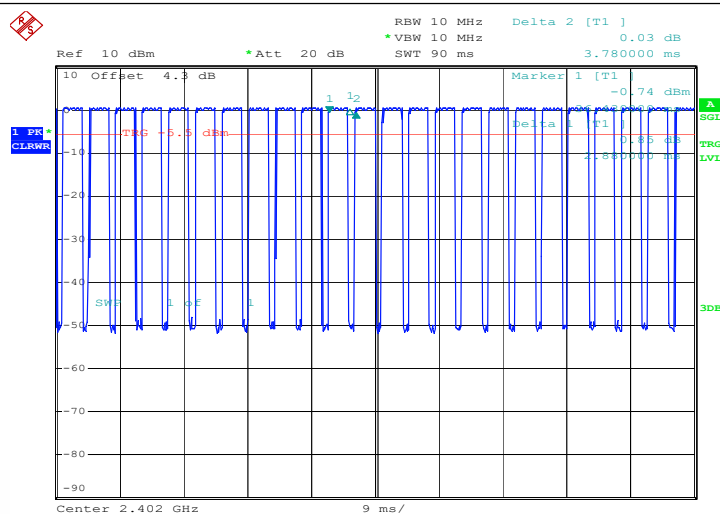
Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
DH5	Ant1	2402	2.79	3.69	75.61	---	---
		2441	2.79	3.69	75.61	---	---
		2480	2.79	3.69	75.61	---	---
2DH5	Ant1	2402	2.88	3.78	76.19	---	---
		2441	2.88	3.78	76.19	---	---
		2480	2.88	3.78	76.19	---	---
3DH5	Ant1	2402	2.88	3.78	76.19	---	---
		2441	2.88	3.78	76.19	---	---
		2480	2.88	3.78	76.19	---	---

Test Graphs



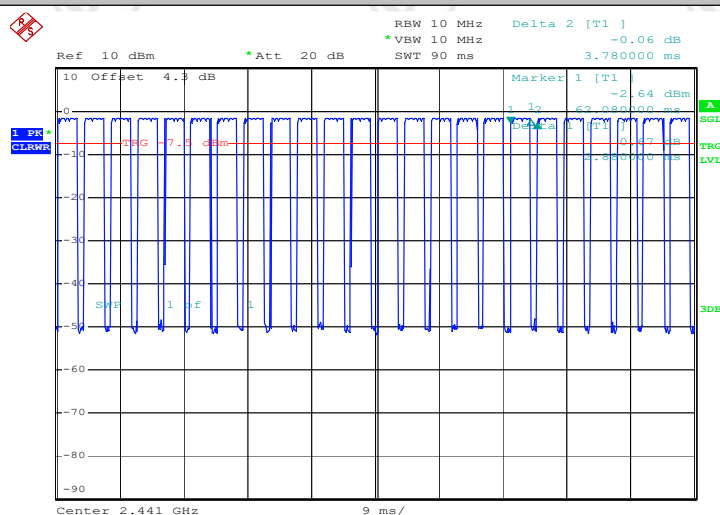






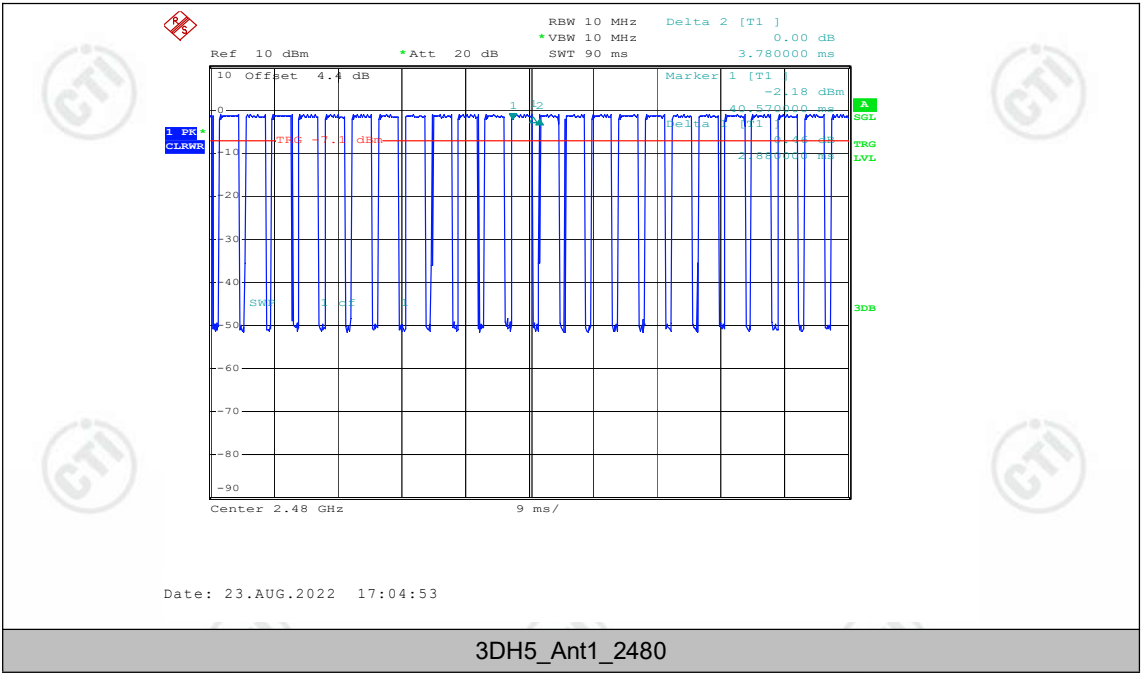
Date: 23.AUG.2022 16:57:16

3DH5 Ant1 2402



Date: 23.AUG.2022 17:01:12

3DH5_Ant1_2441



*** End of Report ***