

Appendix: Bluetooth Classic

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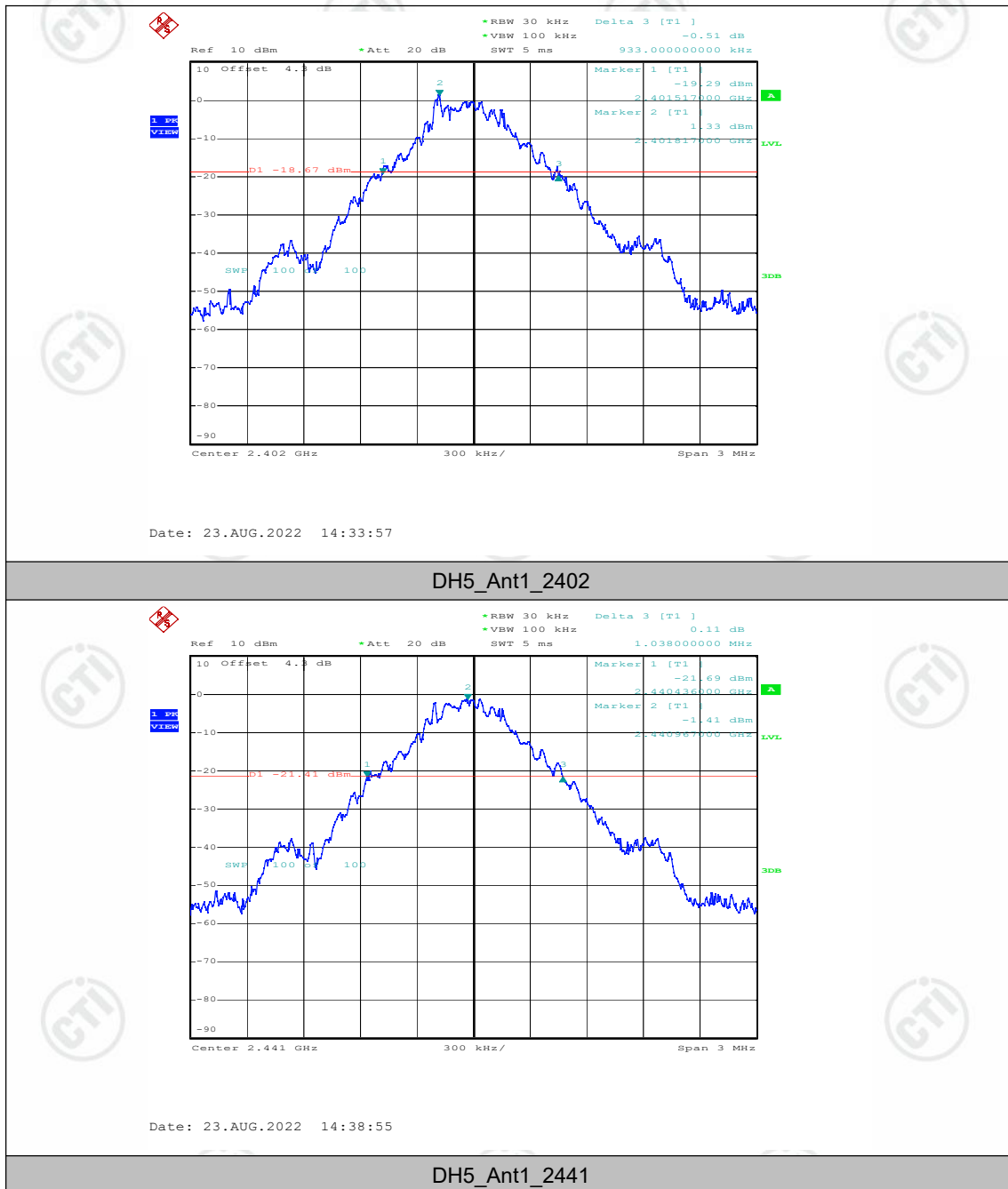
 Test Graphs 60

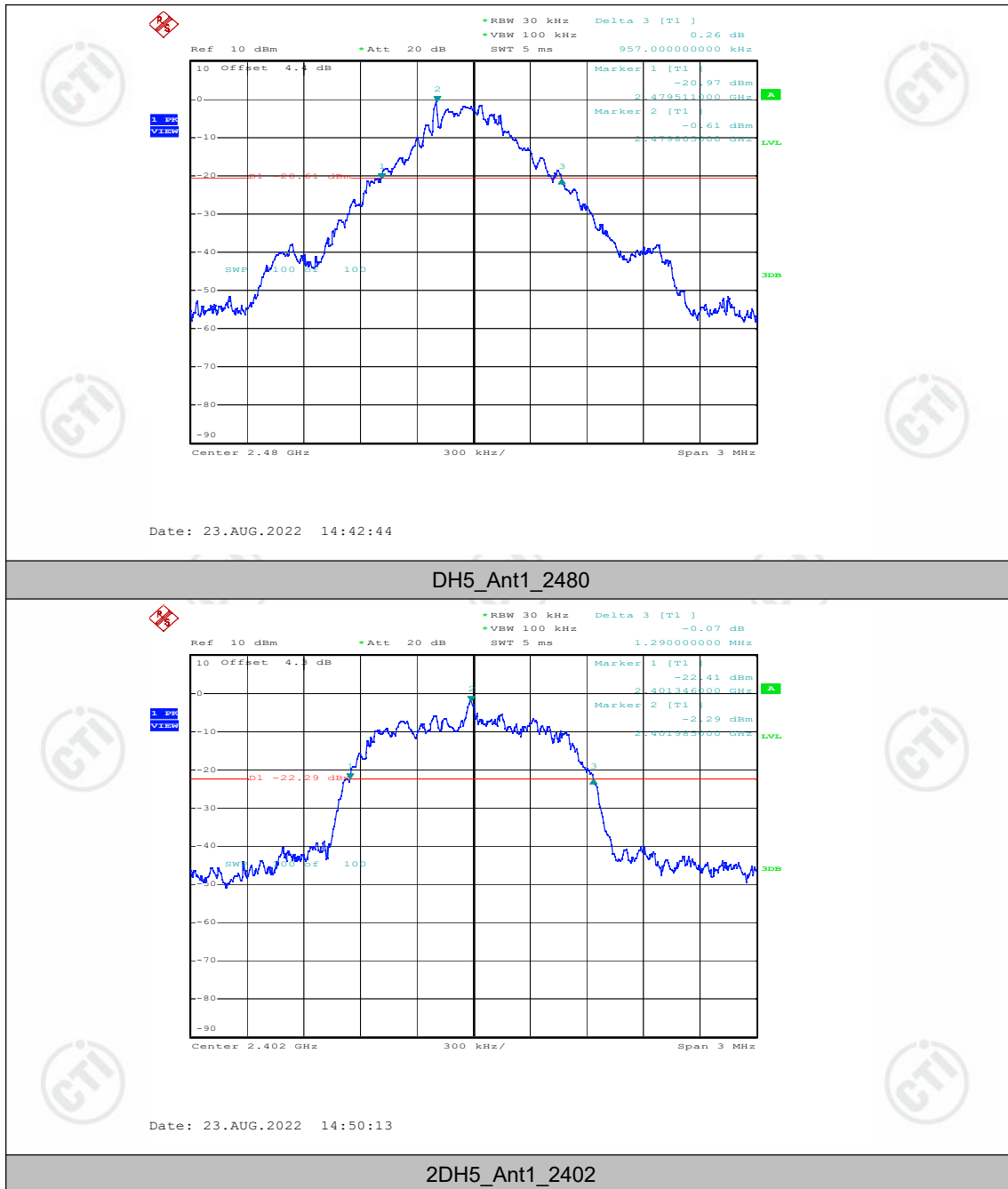
Appendix A: 20dBEmission Bandwidth

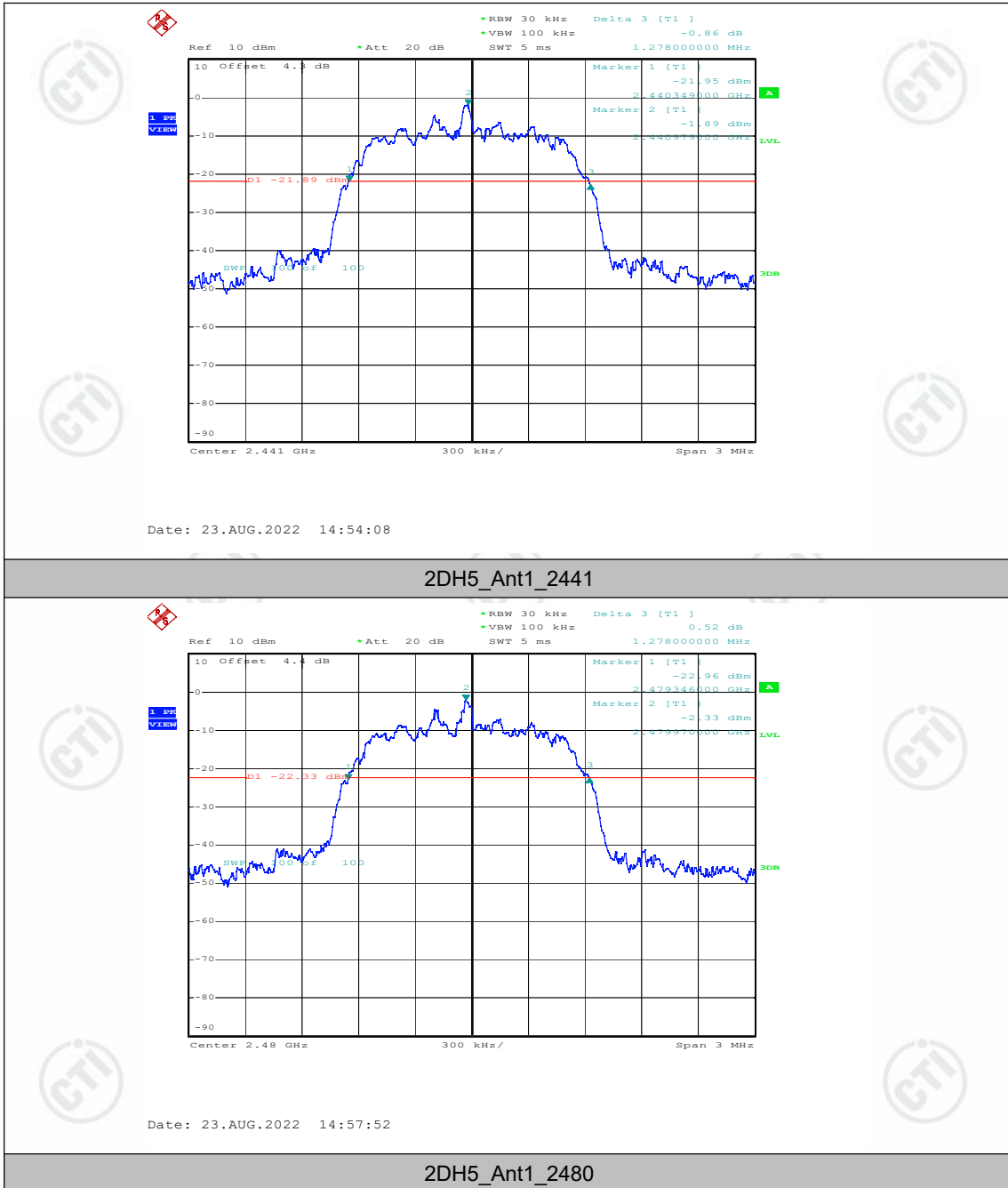
Test Result

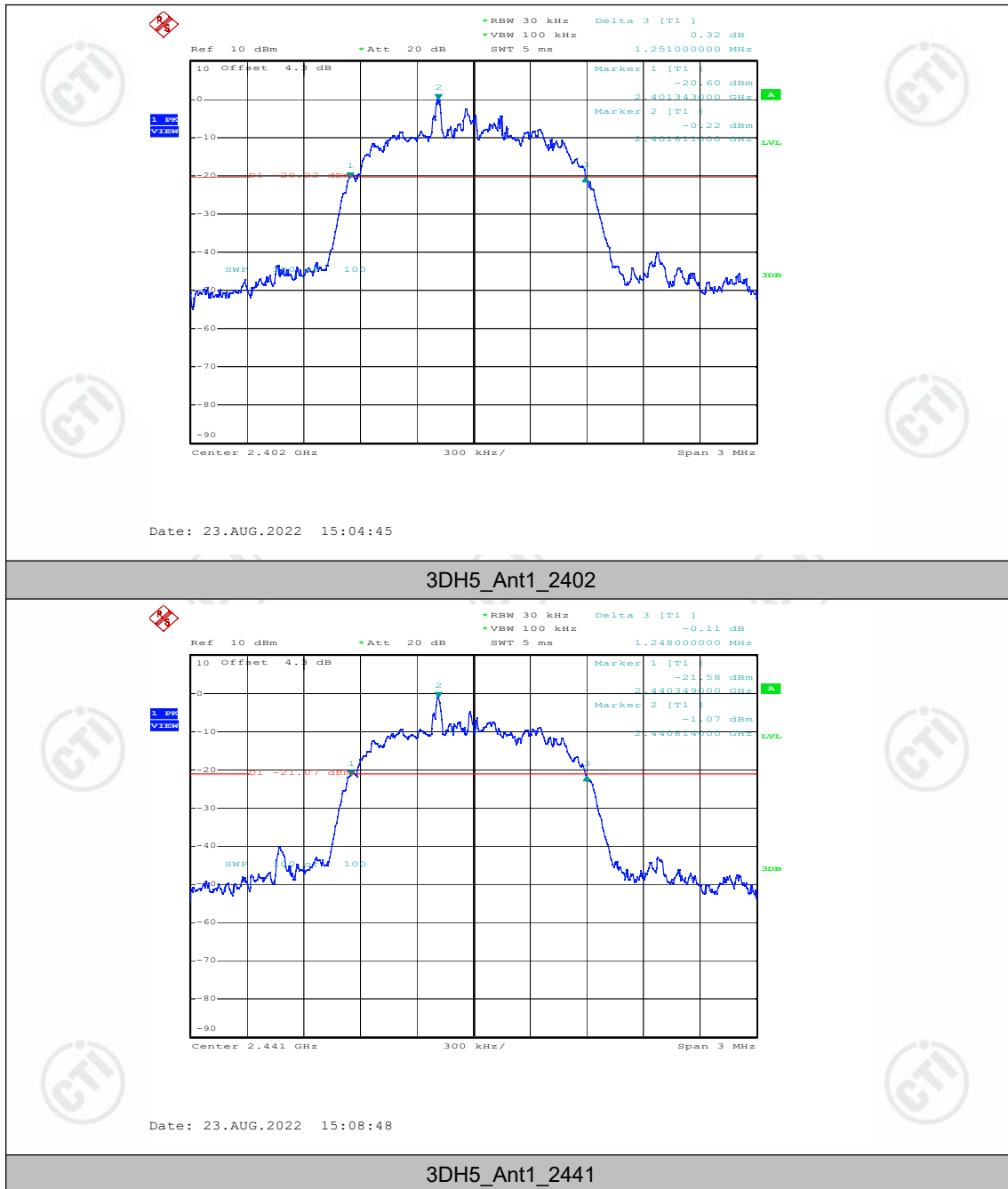
Test Mode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.93	2401.52	2402.45	---	---
		2441	1.04	2440.44	2441.47	---	---
		2480	0.96	2479.51	2480.47	---	---
2DH5	Ant1	2402	1.29	2401.35	2402.64	---	---
		2441	1.28	2440.35	2441.63	---	---
		2480	1.28	2479.35	2480.62	---	---
3DH5	Ant1	2402	1.25	2401.34	2402.59	---	---
		2441	1.25	2440.35	2441.60	---	---
		2480	1.27	2479.34	2480.61	---	---

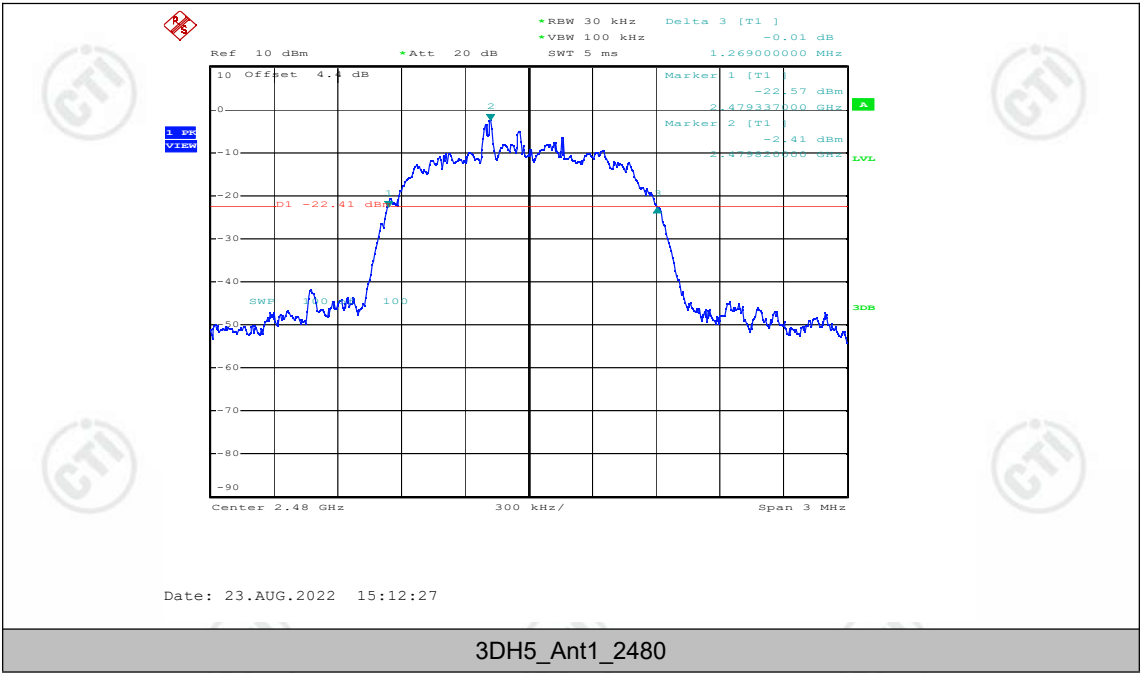
Test Graphs









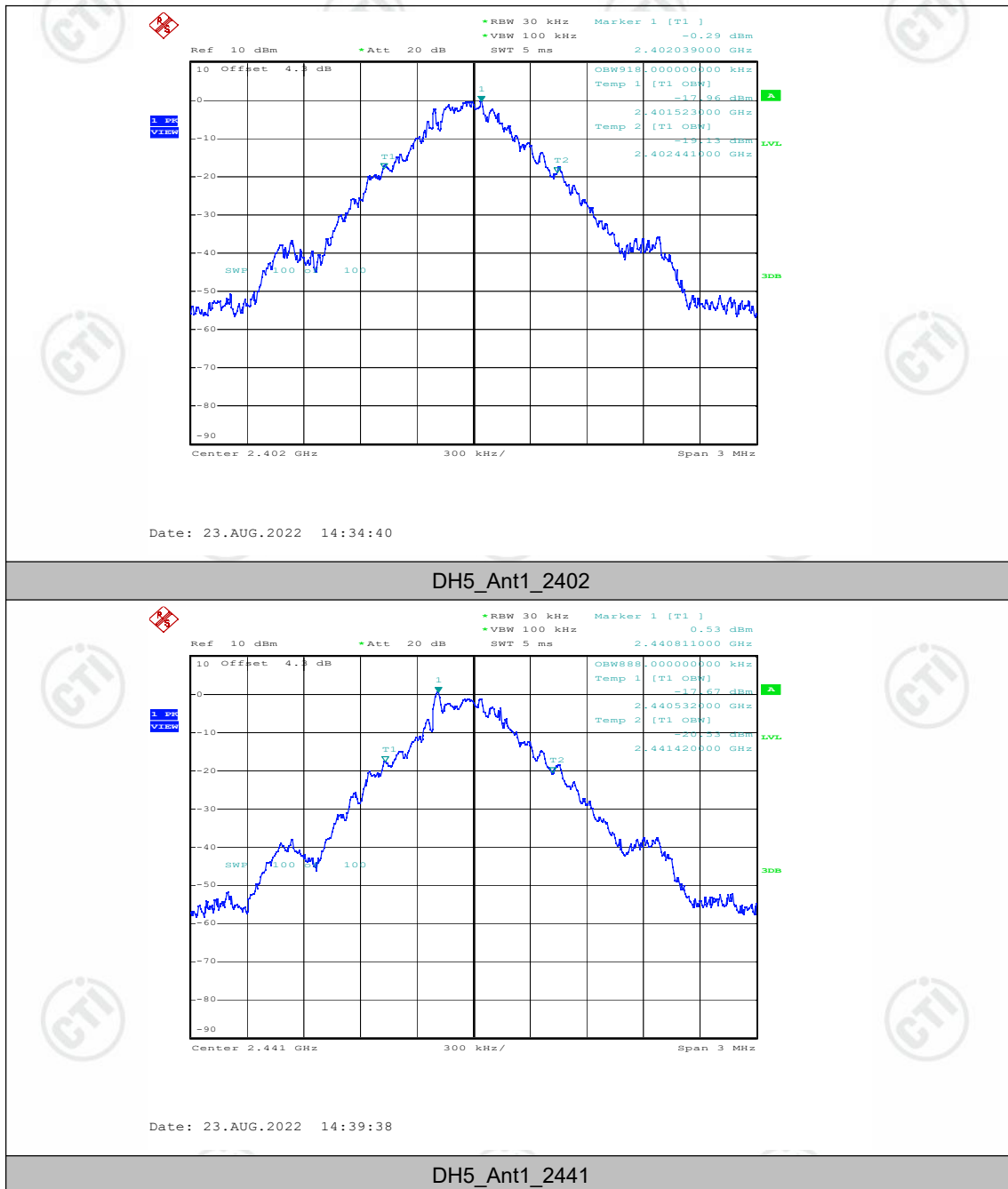


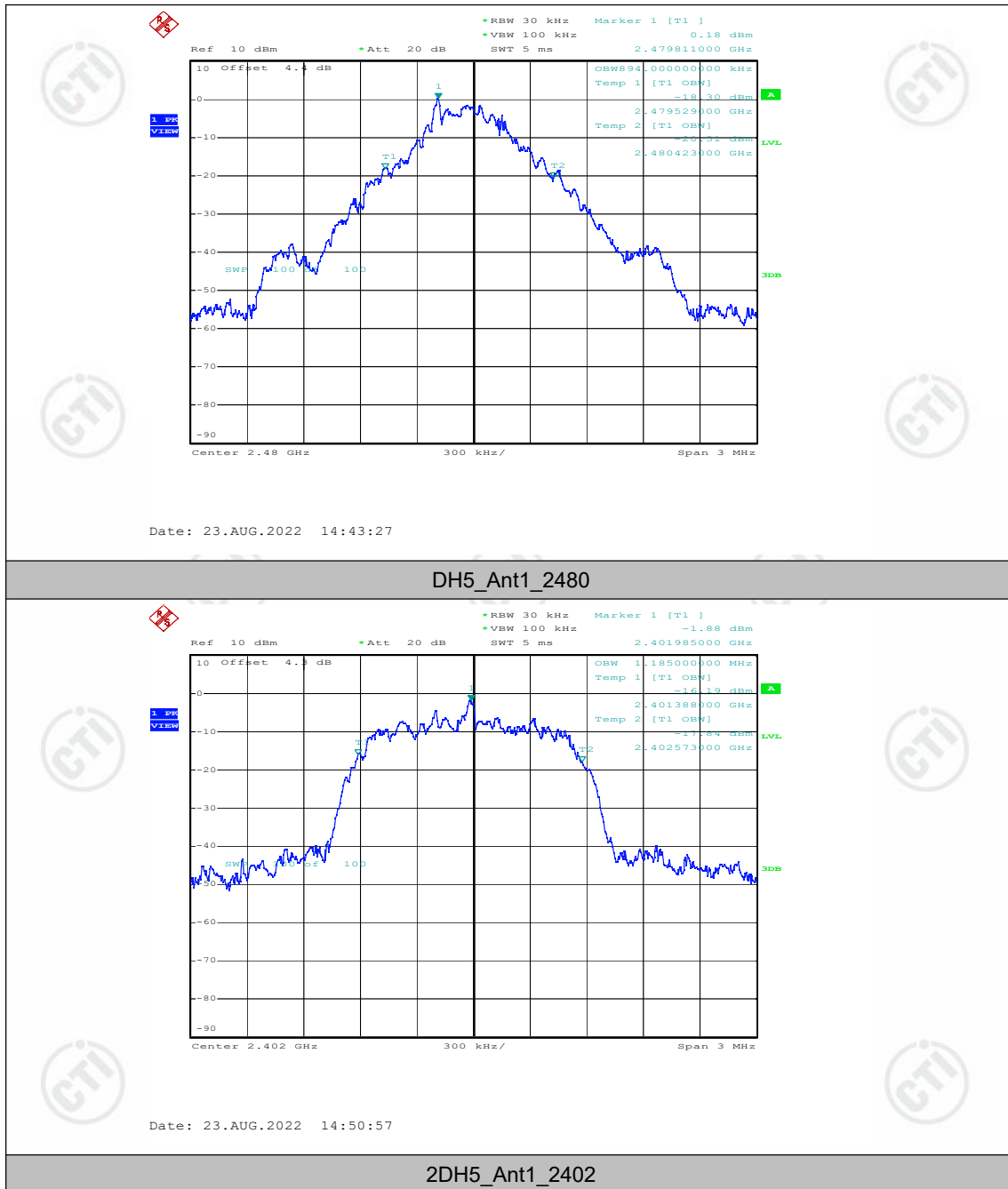
Appendix B: Occupied Channel Bandwidth

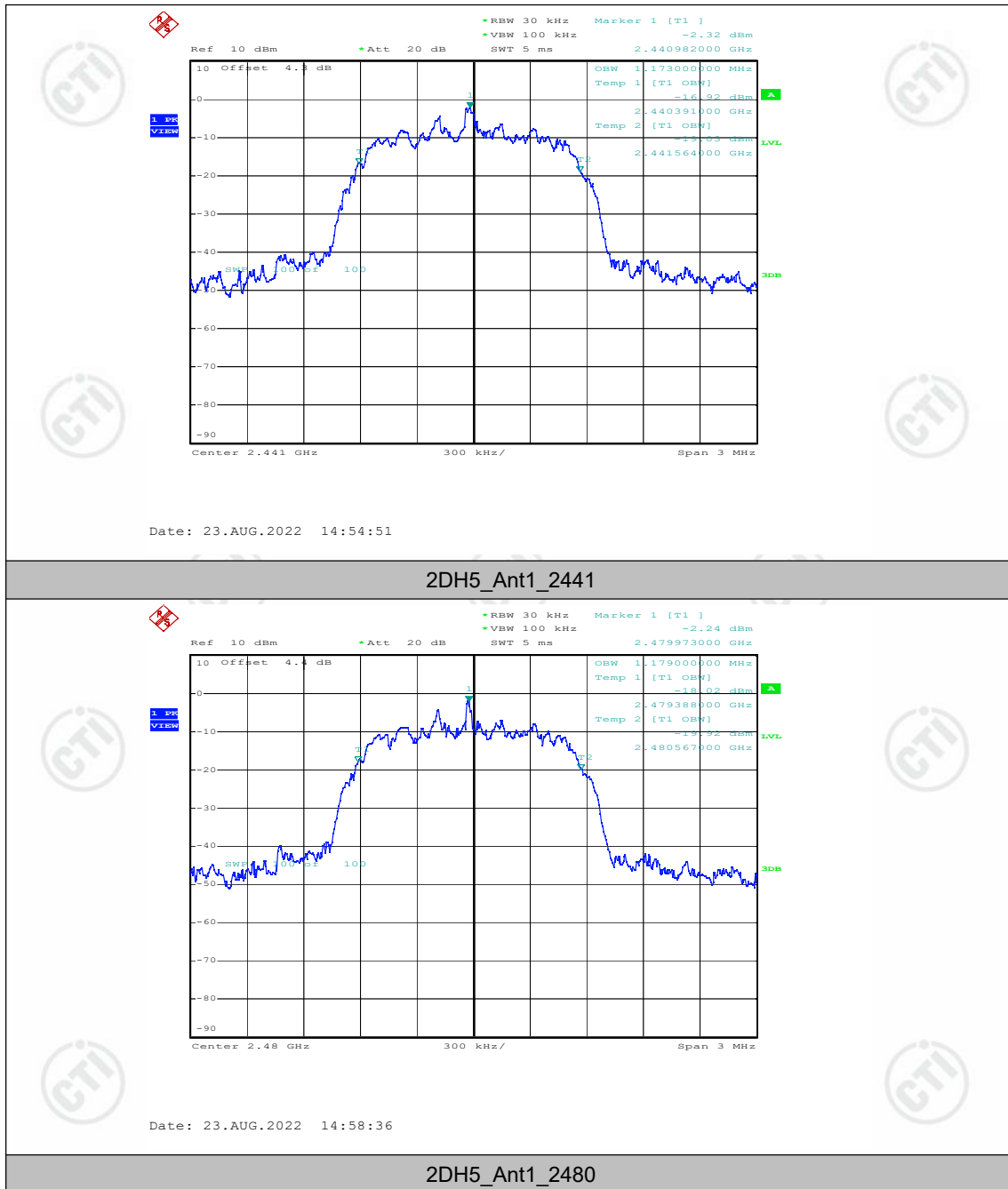
Test Result

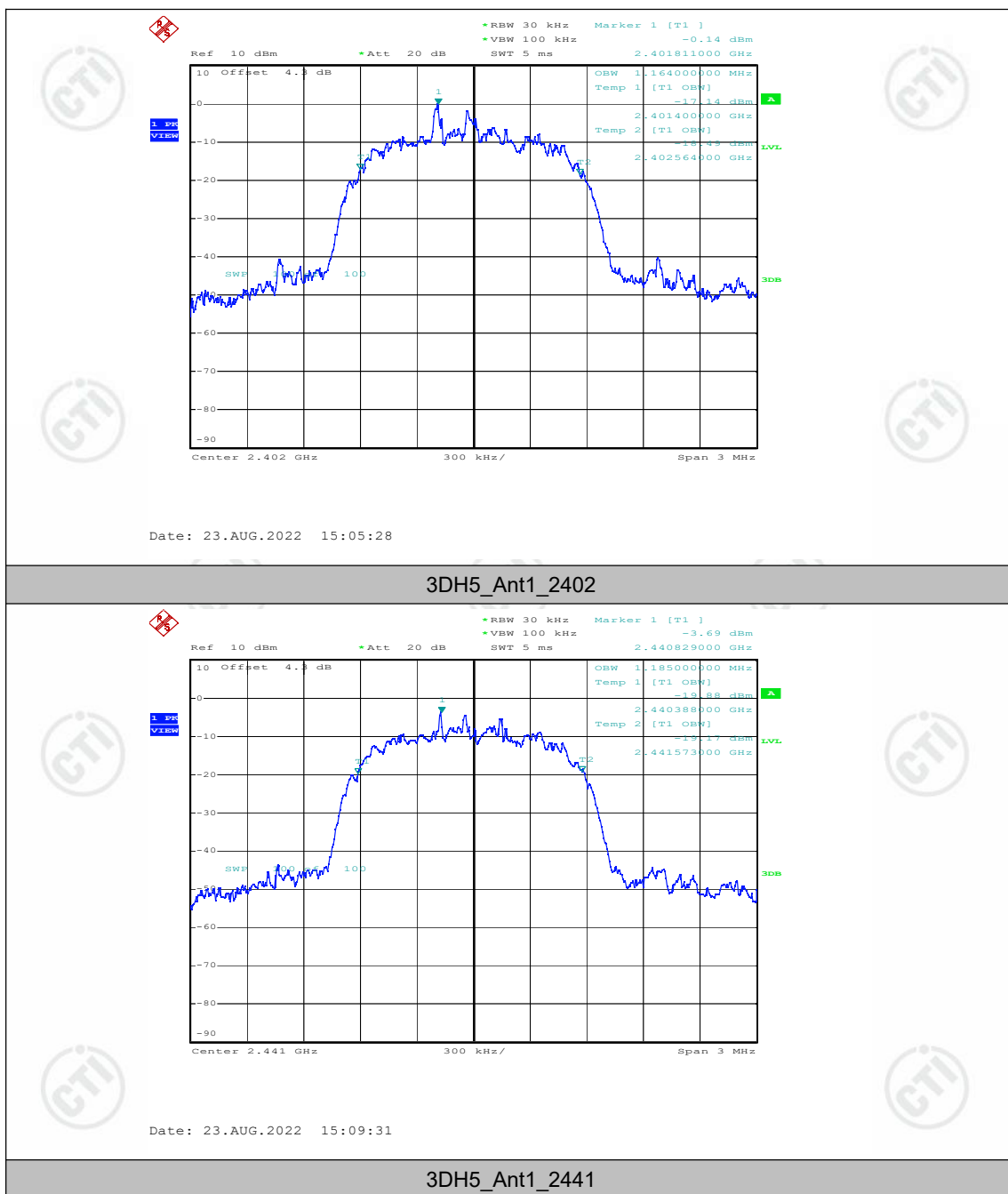
Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.918	0.000	0.000	---	---
		2441	0.888	0.000	0.000	---	---
		2480	0.894	0.000	0.000	---	---
2DH5	Ant1	2402	1.185	0.000	0.000	---	---
		2441	1.173	0.000	0.000	---	---
		2480	1.179	0.000	0.000	---	---
3DH5	Ant1	2402	1.164	0.000	0.000	---	---
		2441	1.185	0.000	0.000	---	---
		2480	1.167	0.000	0.000	---	---

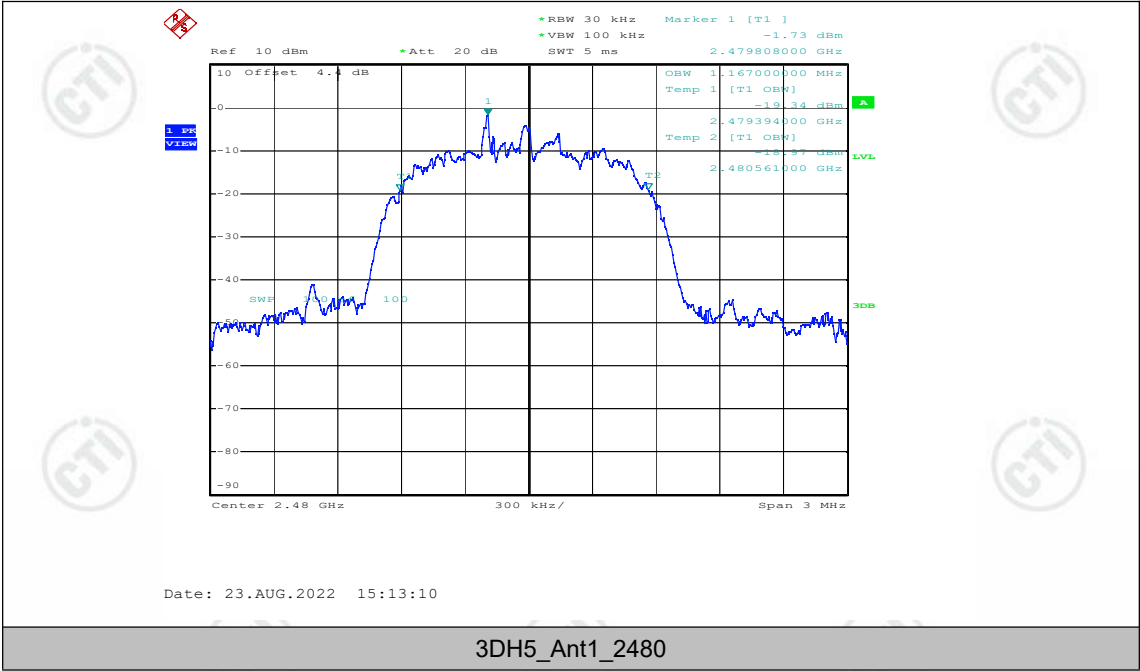
Test Graphs







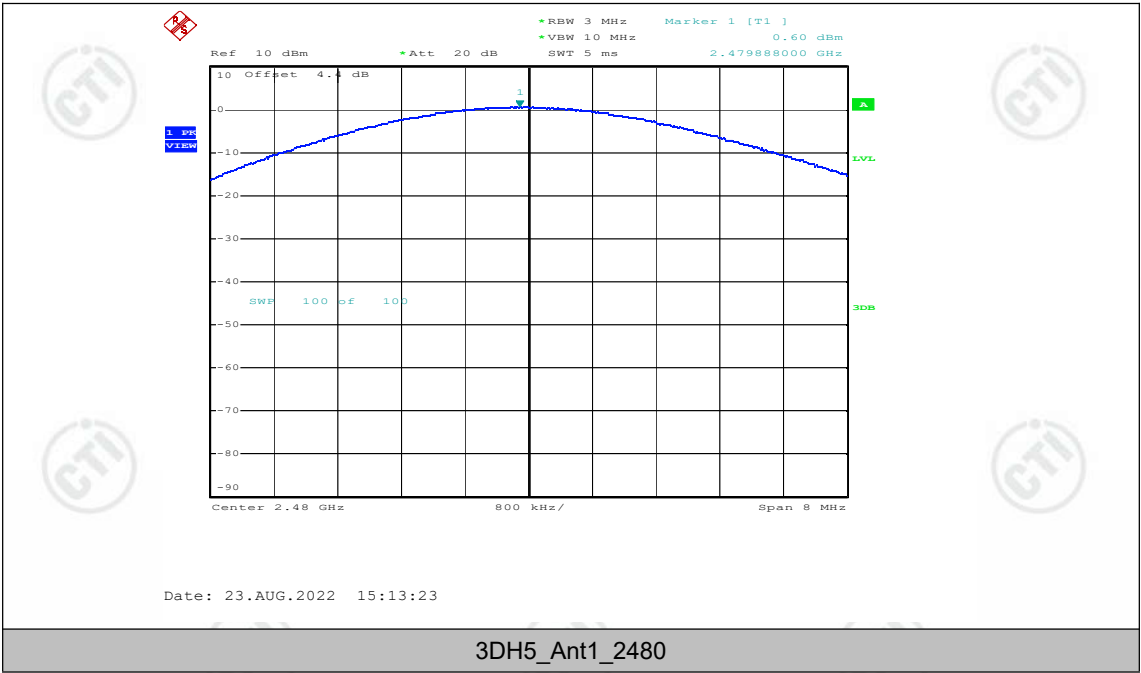




Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	2.74	≤20.97	PASS
		2441	1.73	≤20.97	PASS
		2480	1.3	≤20.97	PASS
2DH5	Ant1	2402	2.58	≤20.97	PASS
		2441	1.55	≤20.97	PASS
		2480	0.94	≤20.97	PASS
3DH5	Ant1	2402	2.16	≤20.97	PASS
		2441	1.18	≤20.97	PASS
		2480	0.6	≤20.97	PASS

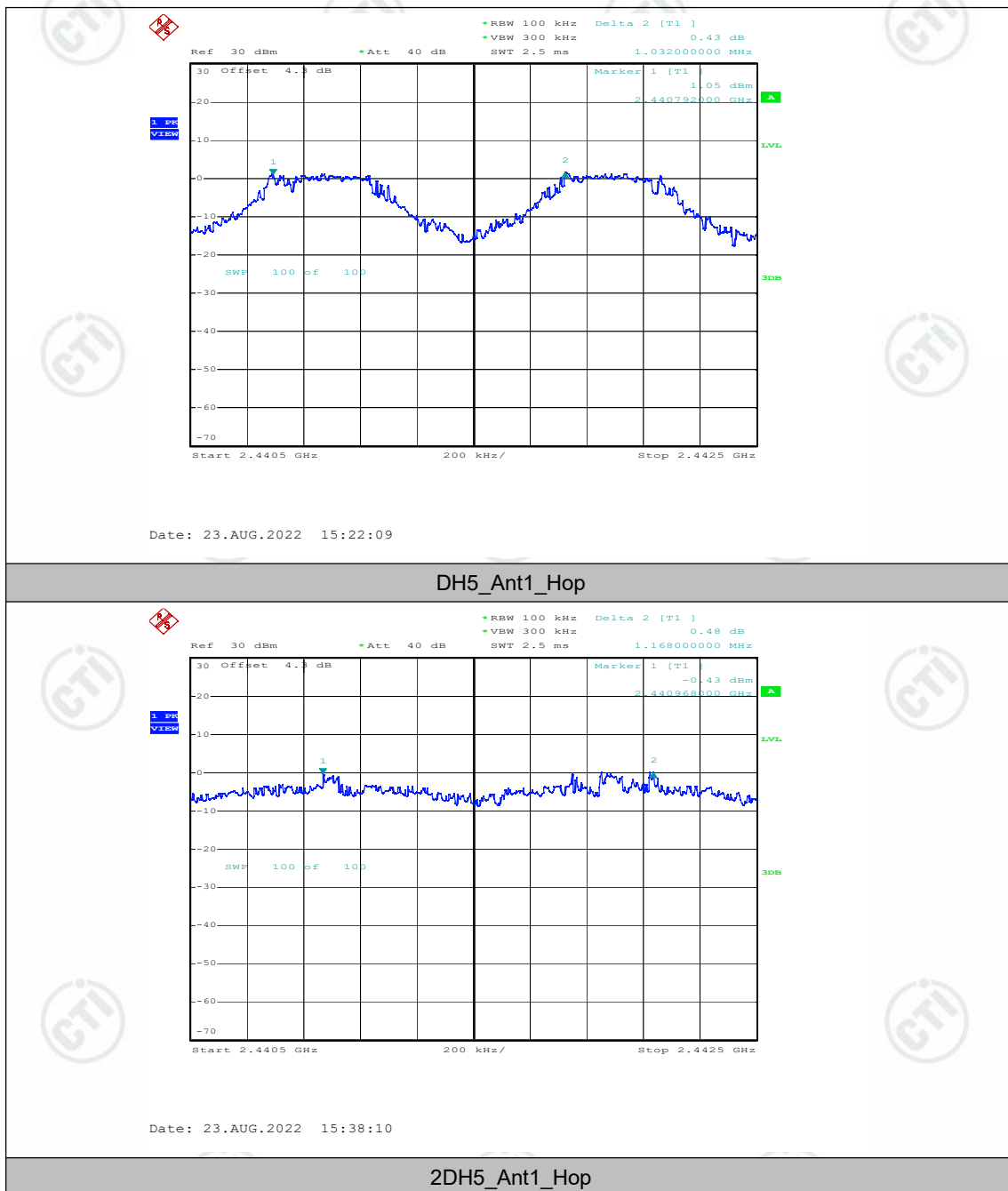


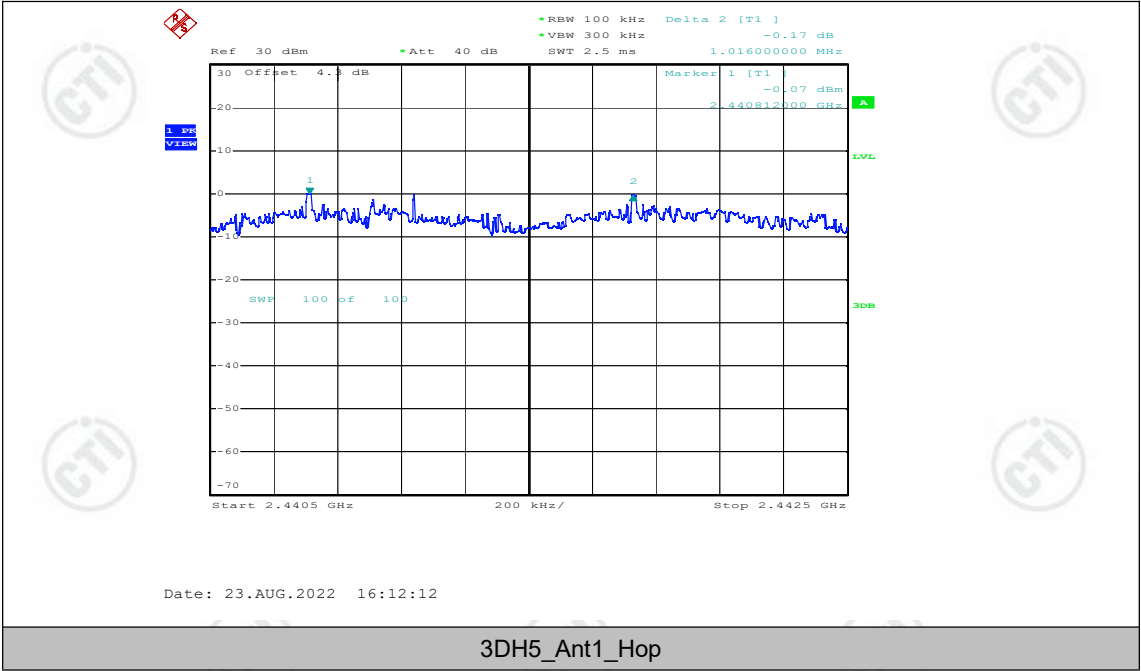
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.032	≥0.693	PASS
2DH5	Ant1	Hop	1.168	≥0.860	PASS
3DH5	Ant1	Hop	1.016	≥0.847	PASS

Test Graphs



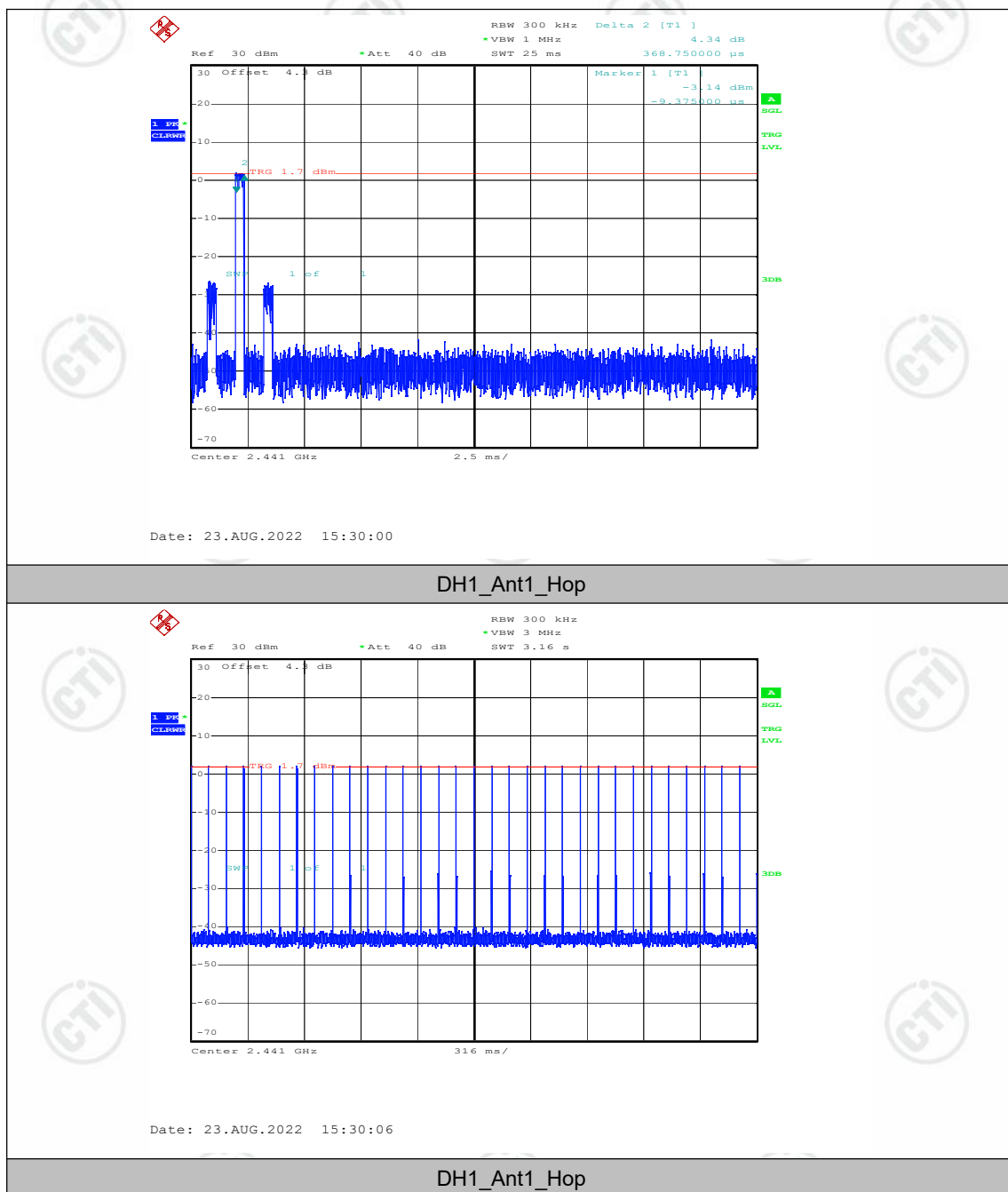


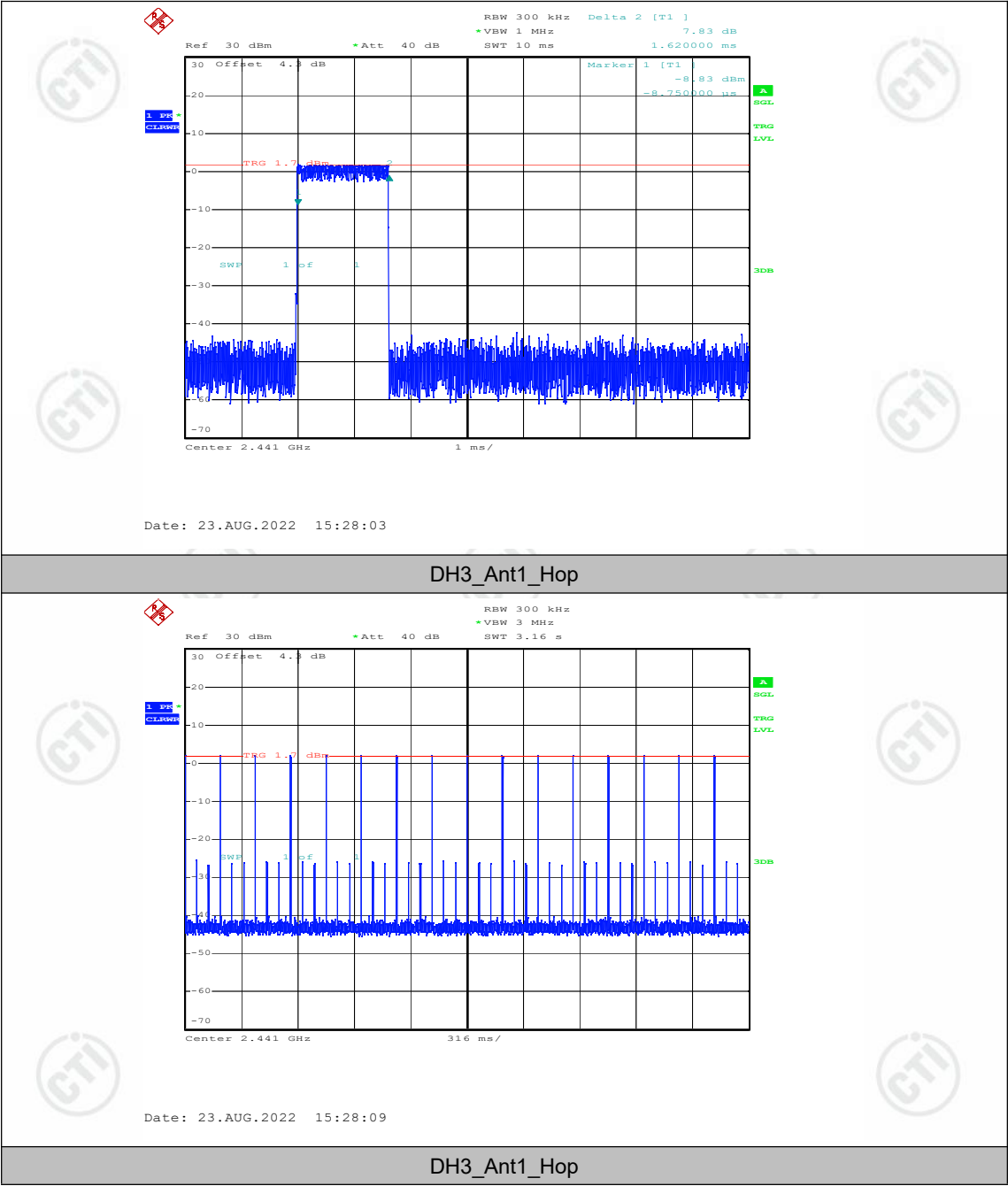
Appendix E: Time of occupancy

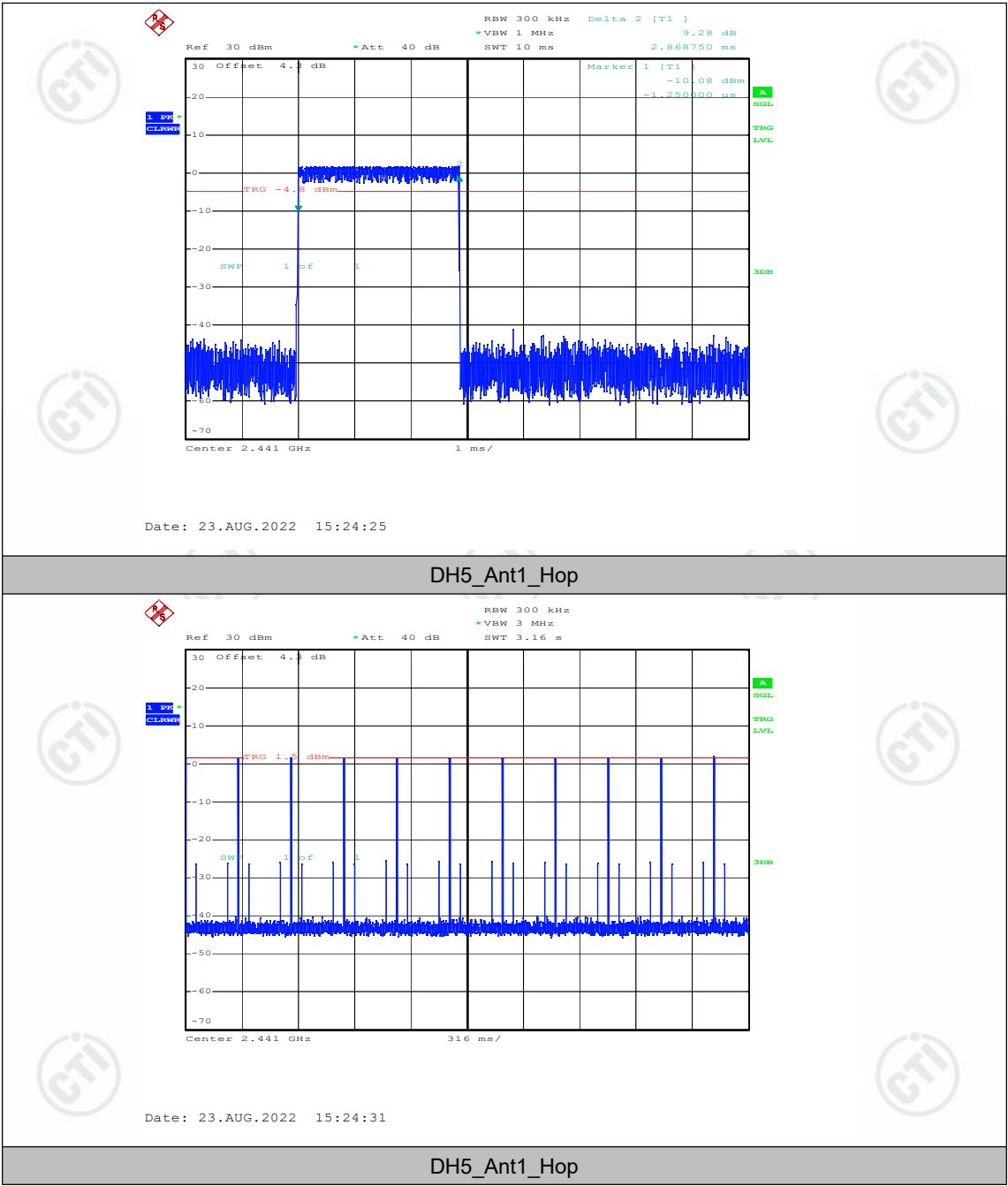
Test Result

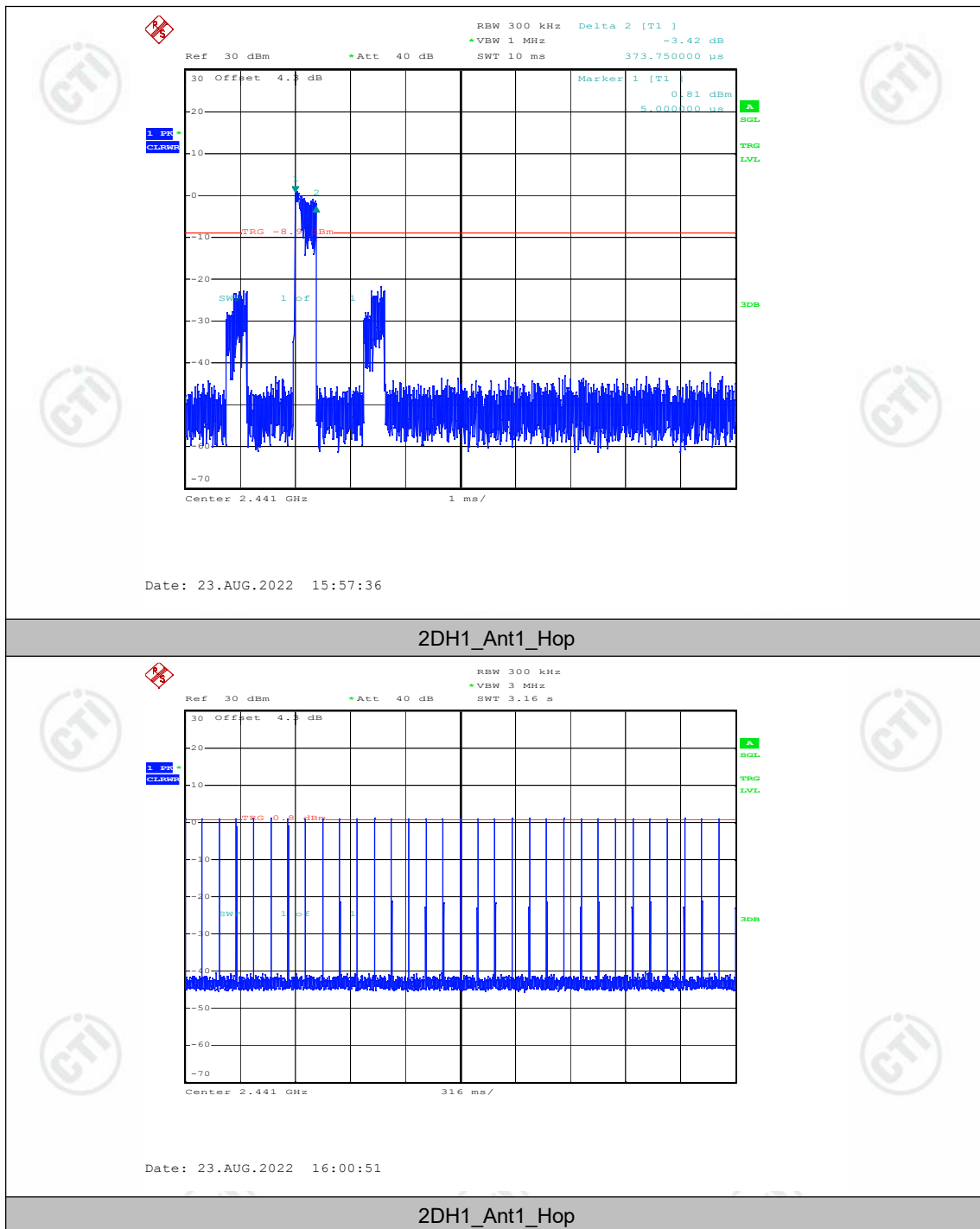
Test Mode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	320	0.118	≤0.4	PASS
DH3	Ant1	Hop	1.62	160	0.259	≤0.4	PASS
DH5	Ant1	Hop	2.87	110	0.316	≤0.4	PASS
2DH1	Ant1	Hop	0.38	320	0.122	≤0.4	PASS
2DH3	Ant1	Hop	1.63	160	0.261	≤0.4	PASS
2DH5	Ant1	Hop	2.88	110	0.317	≤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

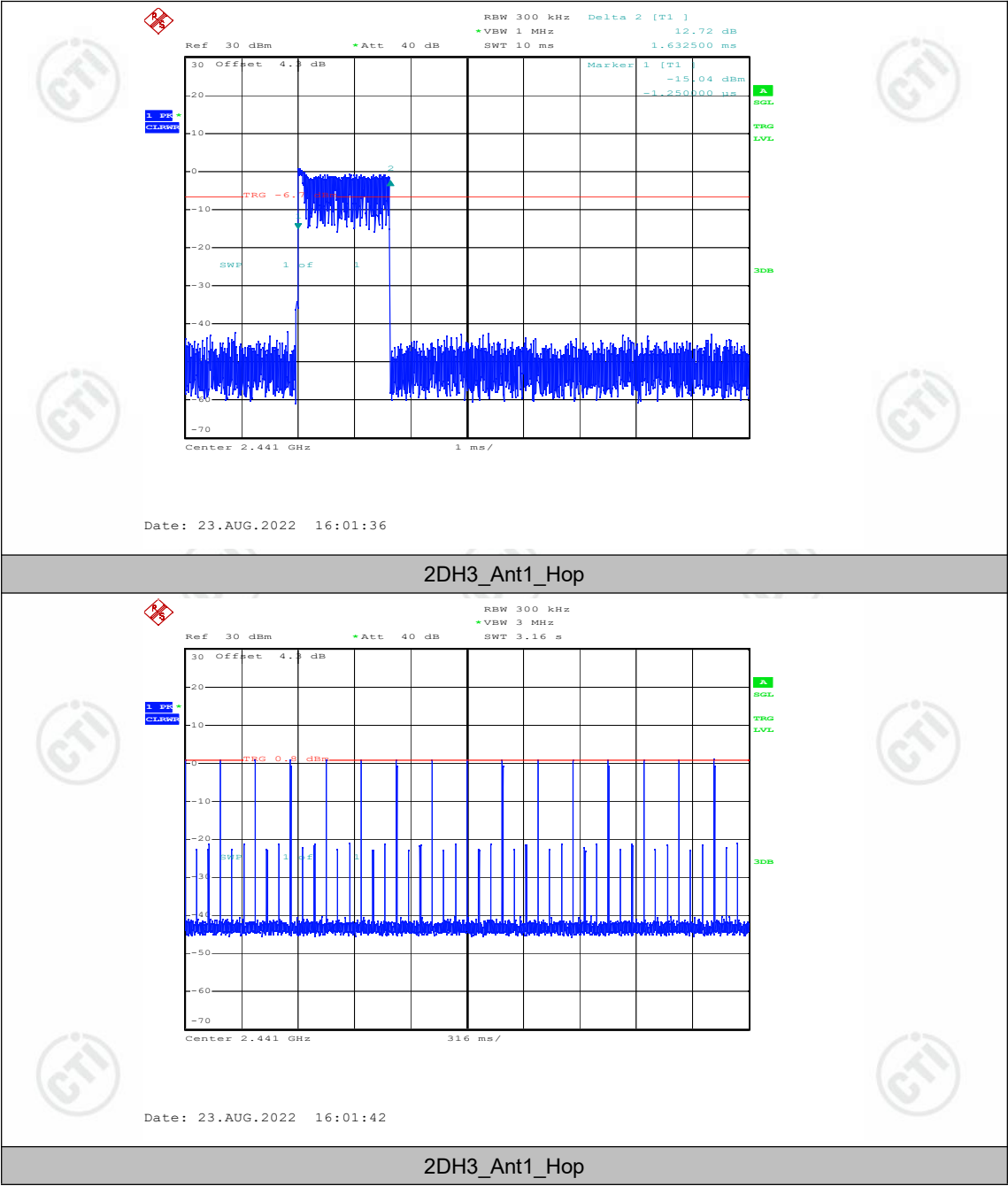
Test Graphs

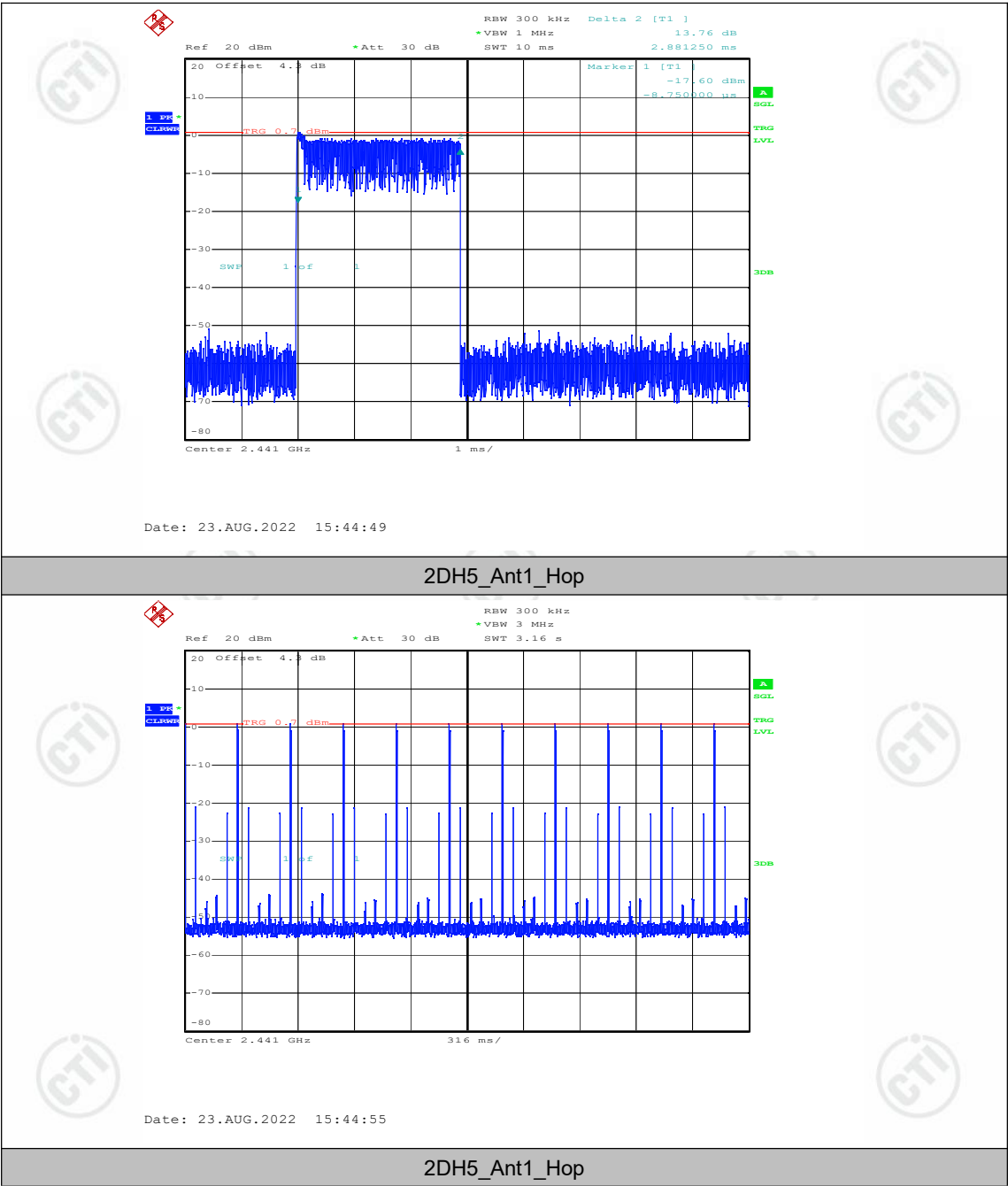


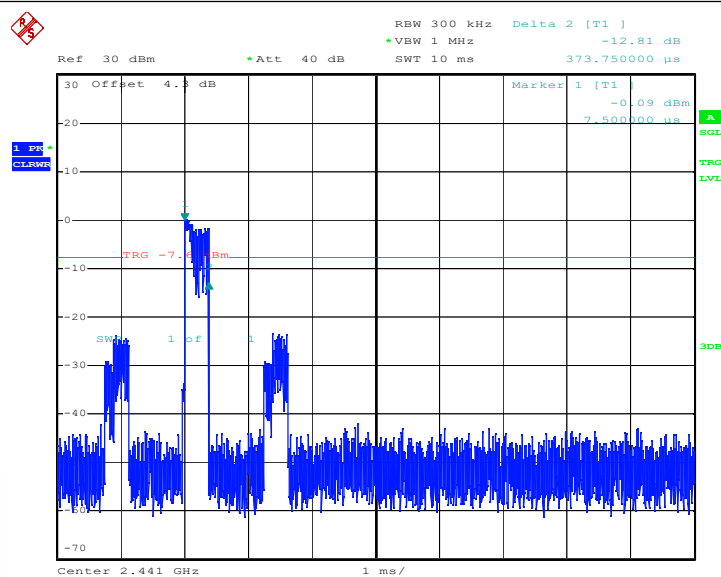






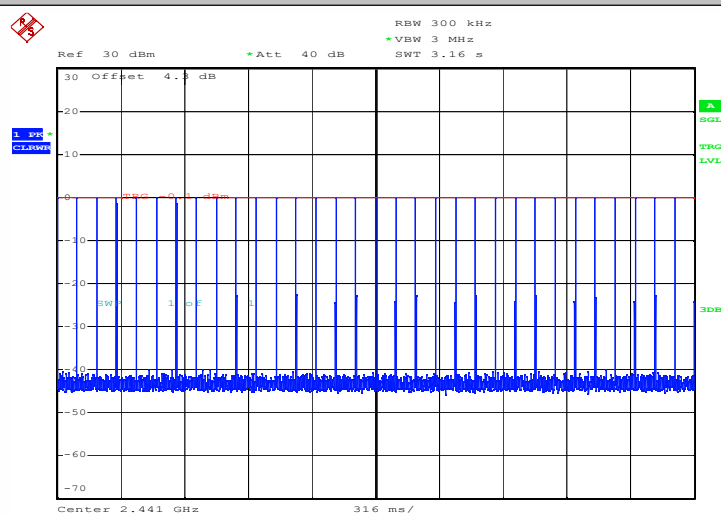






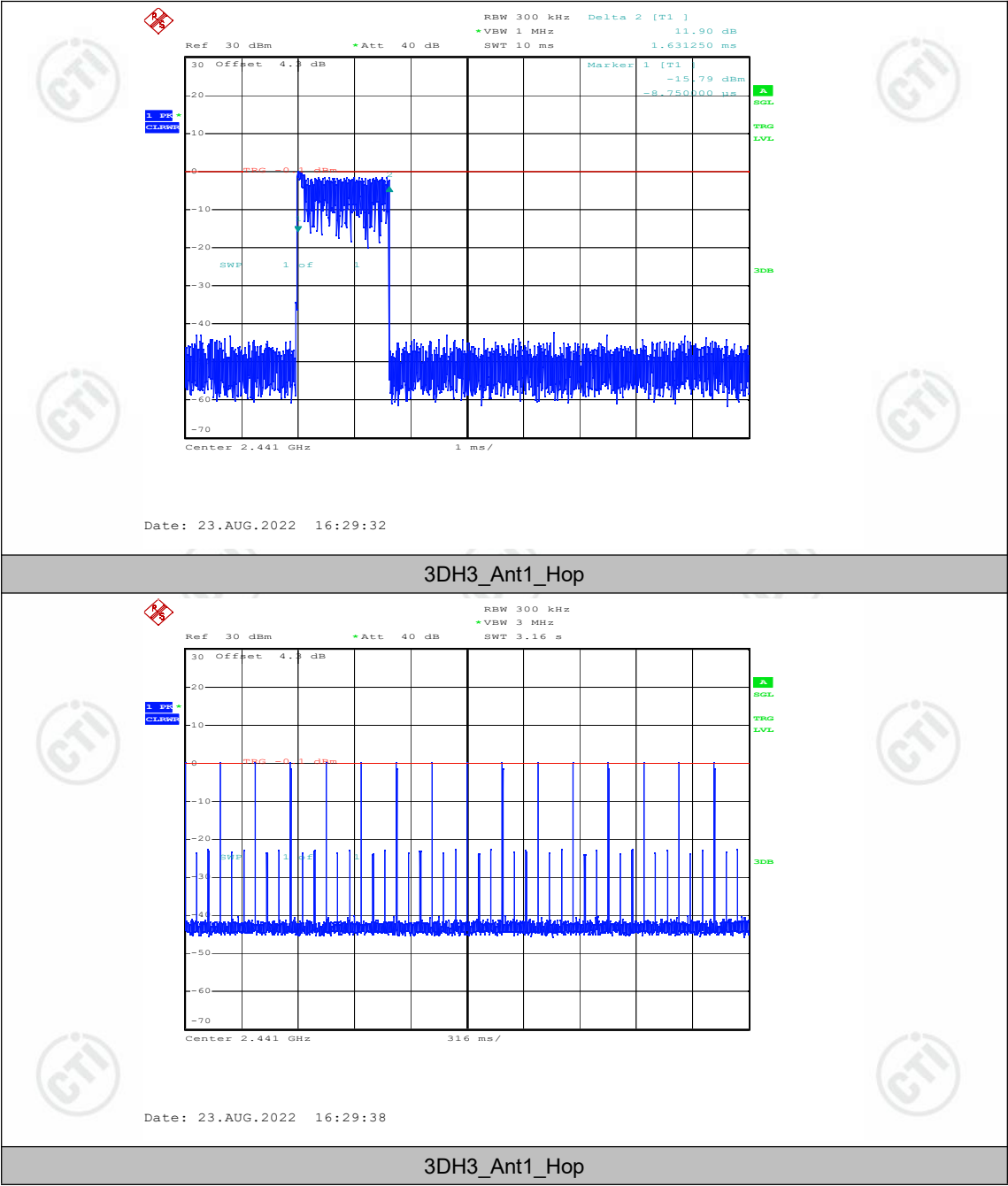
Date: 23.AUG.2022 16:28:00

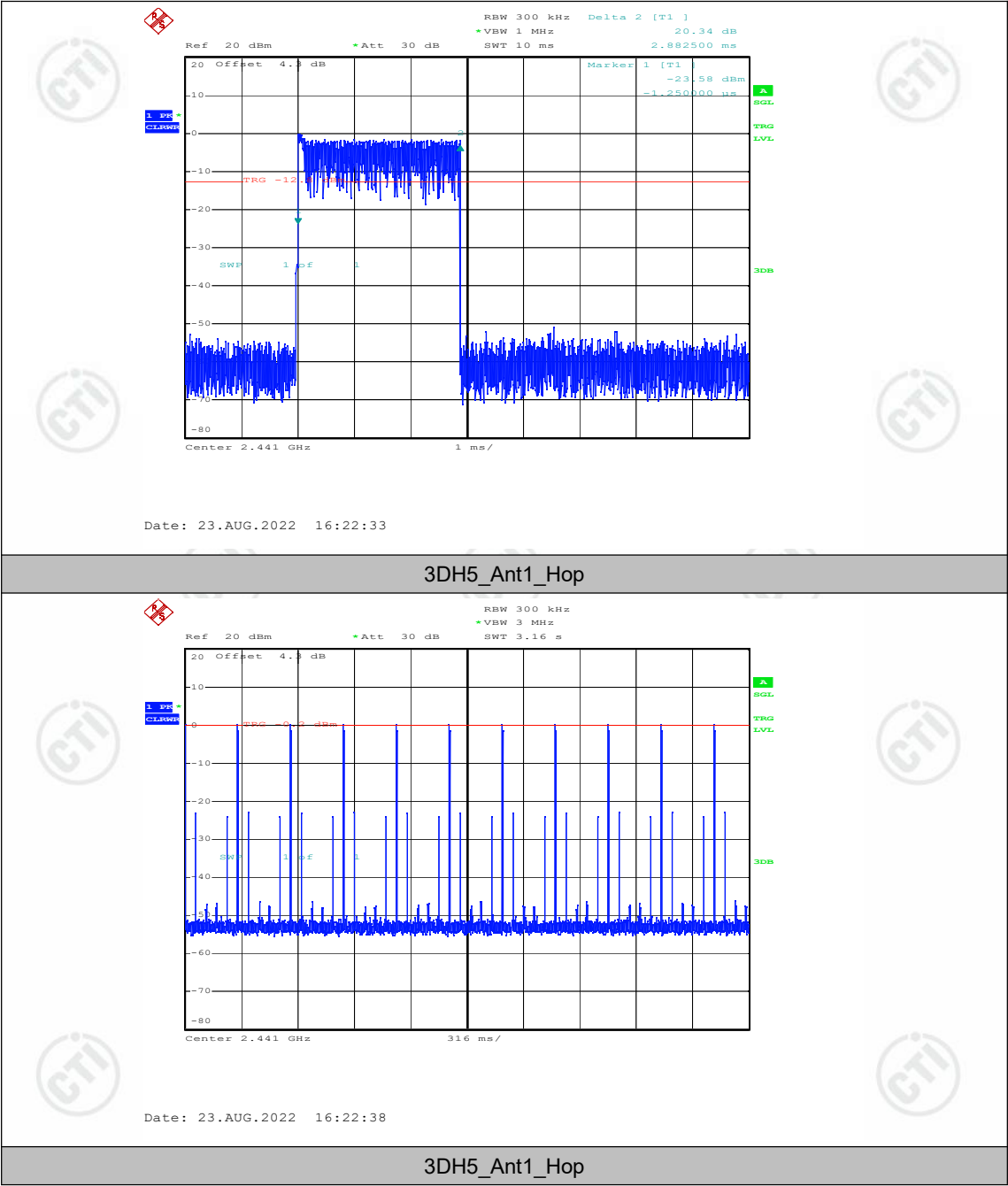
3DH1_Ant1_Hop



Date: 23.AUG.2022 16:29:03

3DH1_Ant1_Hop



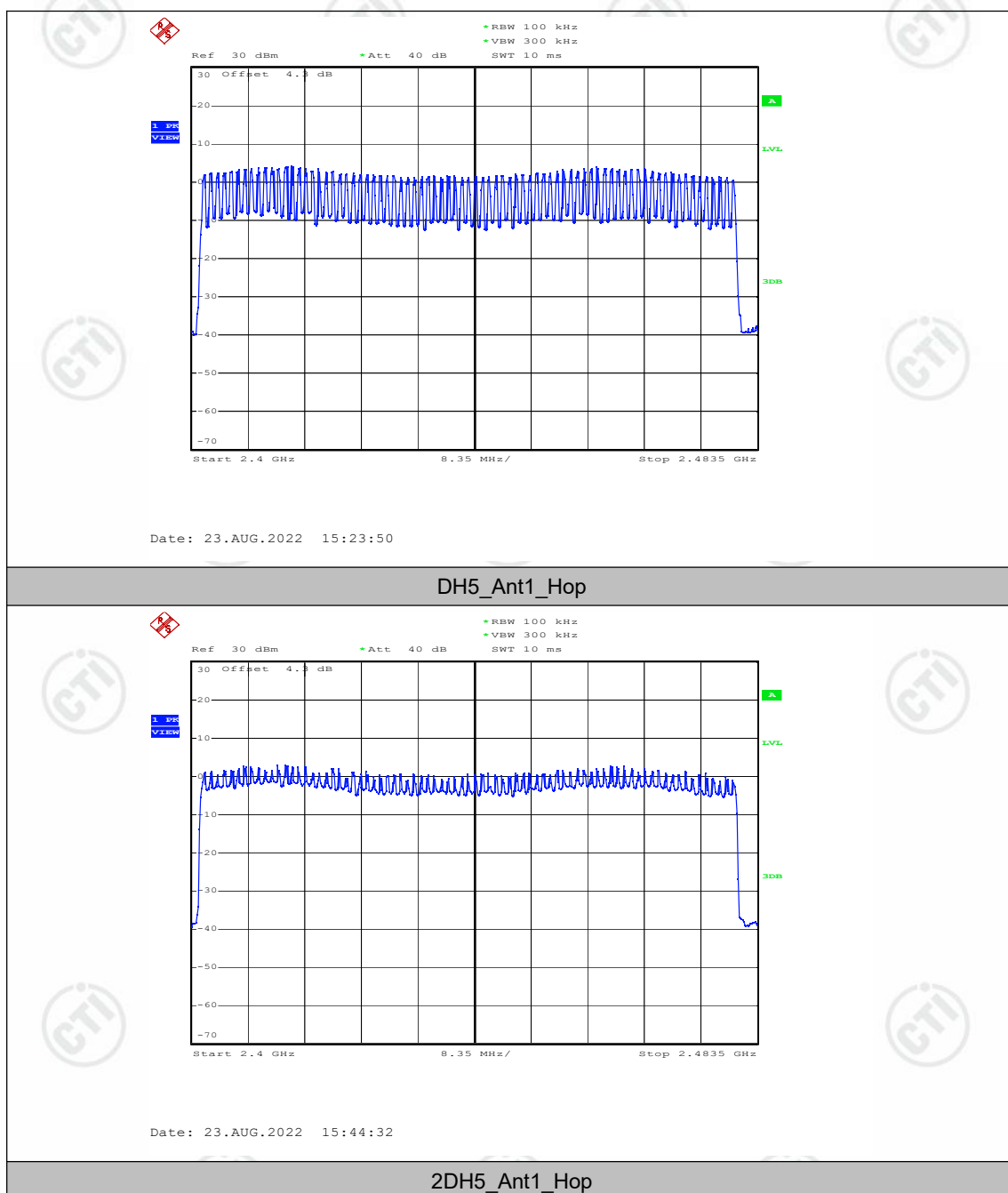


Appendix F: Number of hopping channels

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



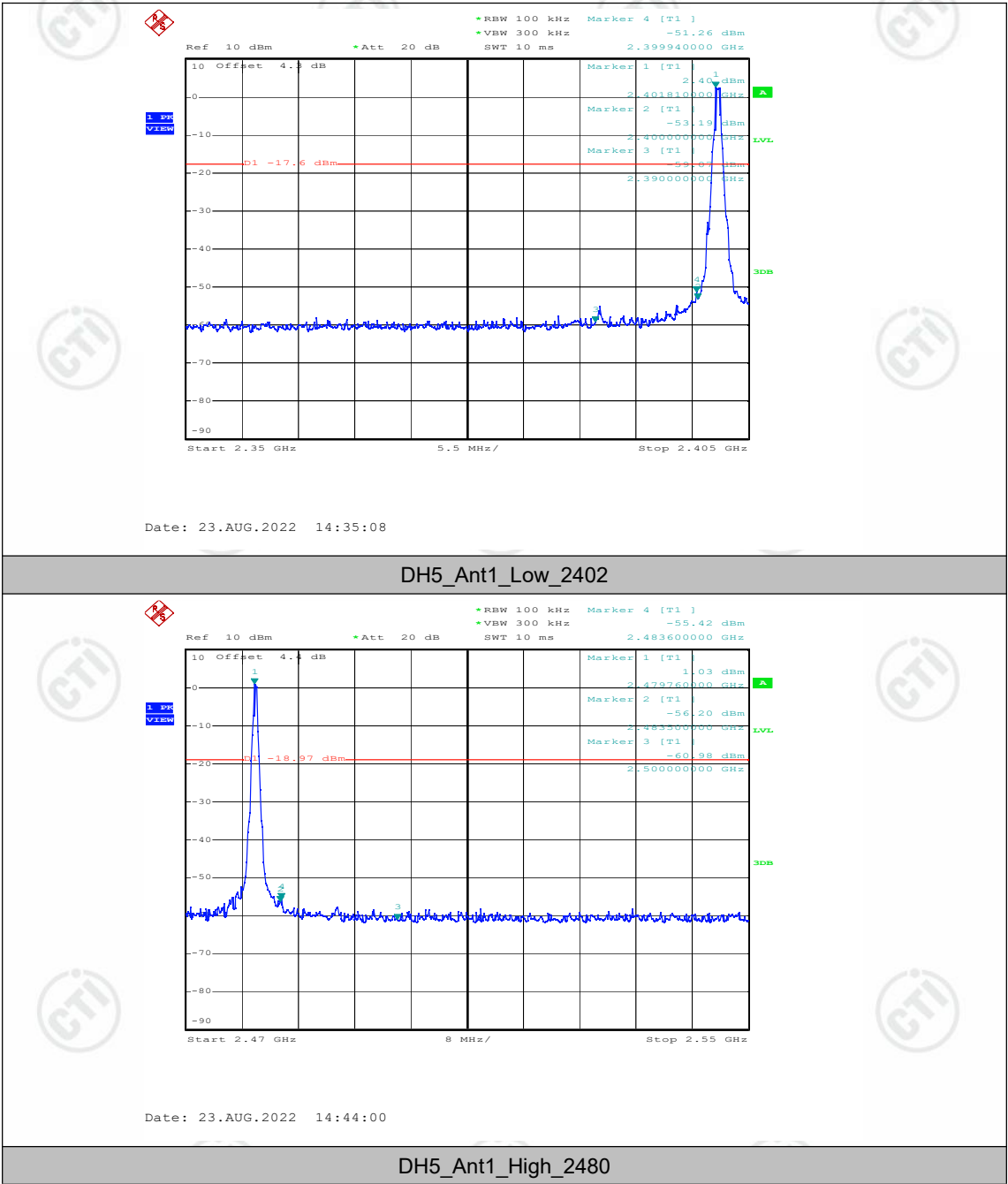


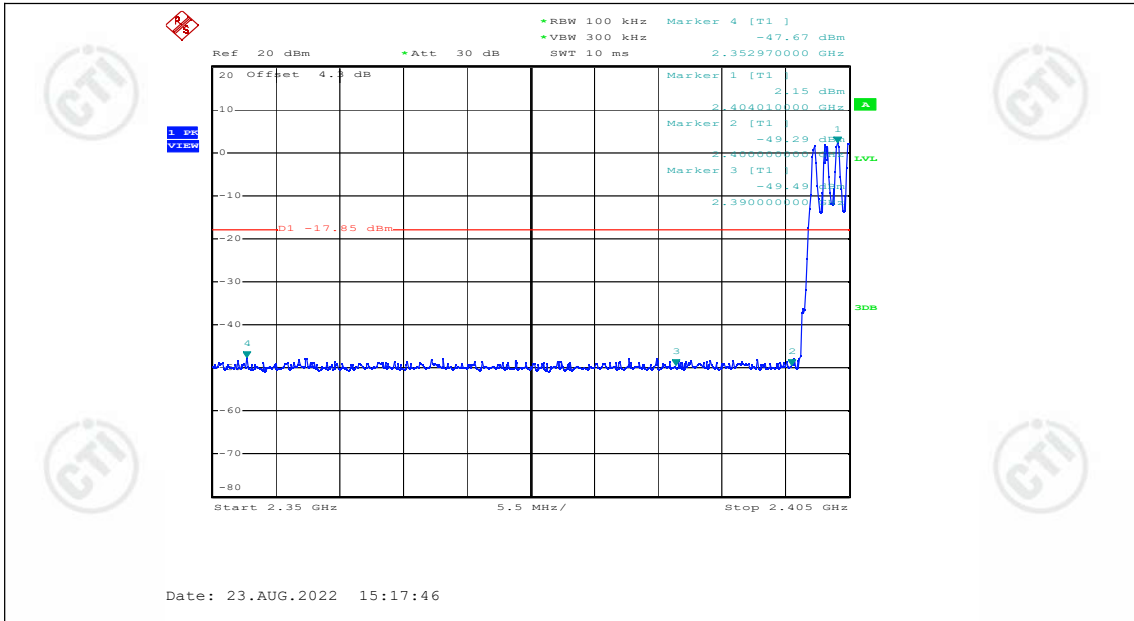
Appendix G:Band edge measurements

Test Result

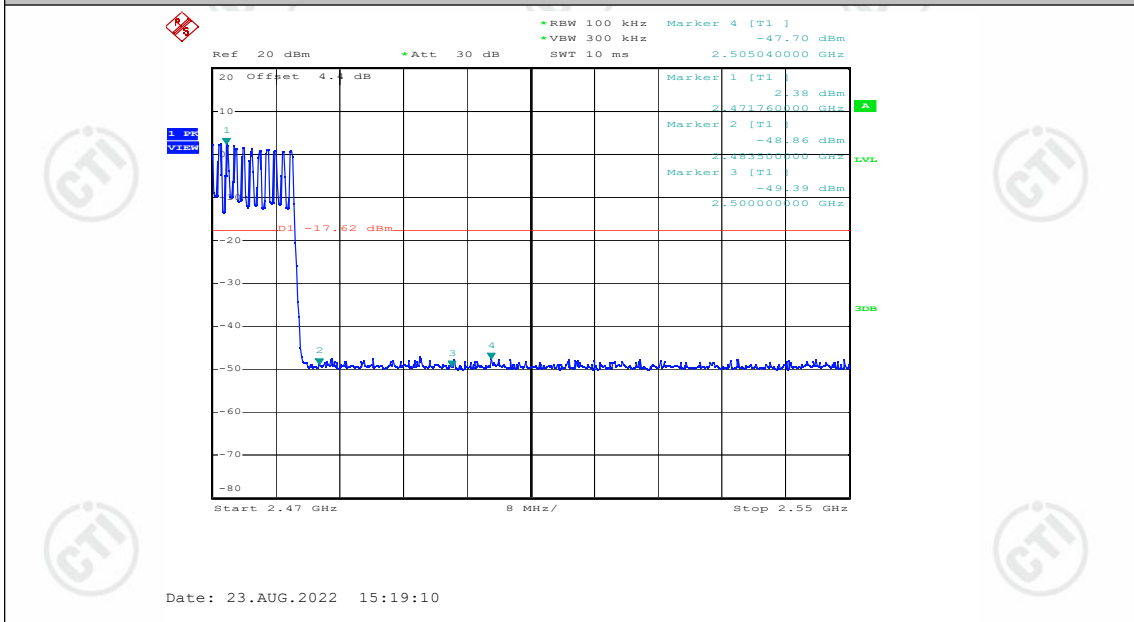
Test Mode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.40	-51.26	≤-17.6	PASS
		High	2480	1.03	-55.42	≤-18.97	PASS
		Low	Hop_2402	2.15	-47.67	≤-17.85	PASS
		High	Hop_2480	2.38	-47.7	≤-17.62	PASS
2DH5	Ant1	Low	2402	1.39	-54.98	≤-18.61	PASS
		High	2480	-0.15	-57.13	≤-20.15	PASS
		Low	Hop_2402	0.96	-47.07	≤-19.04	PASS
		High	Hop_2480	1.06	-47.23	≤-18.94	PASS
3DH5	Ant1	Low	2402	0.26	-55.2	≤-19.74	PASS
		High	2480	-0.76	-57.83	≤-20.76	PASS
		Low	Hop_2402	0.90	-46.93	≤-19.1	PASS
		High	Hop_2480	1.05	-46.89	≤-18.95	PASS

Test Graphs

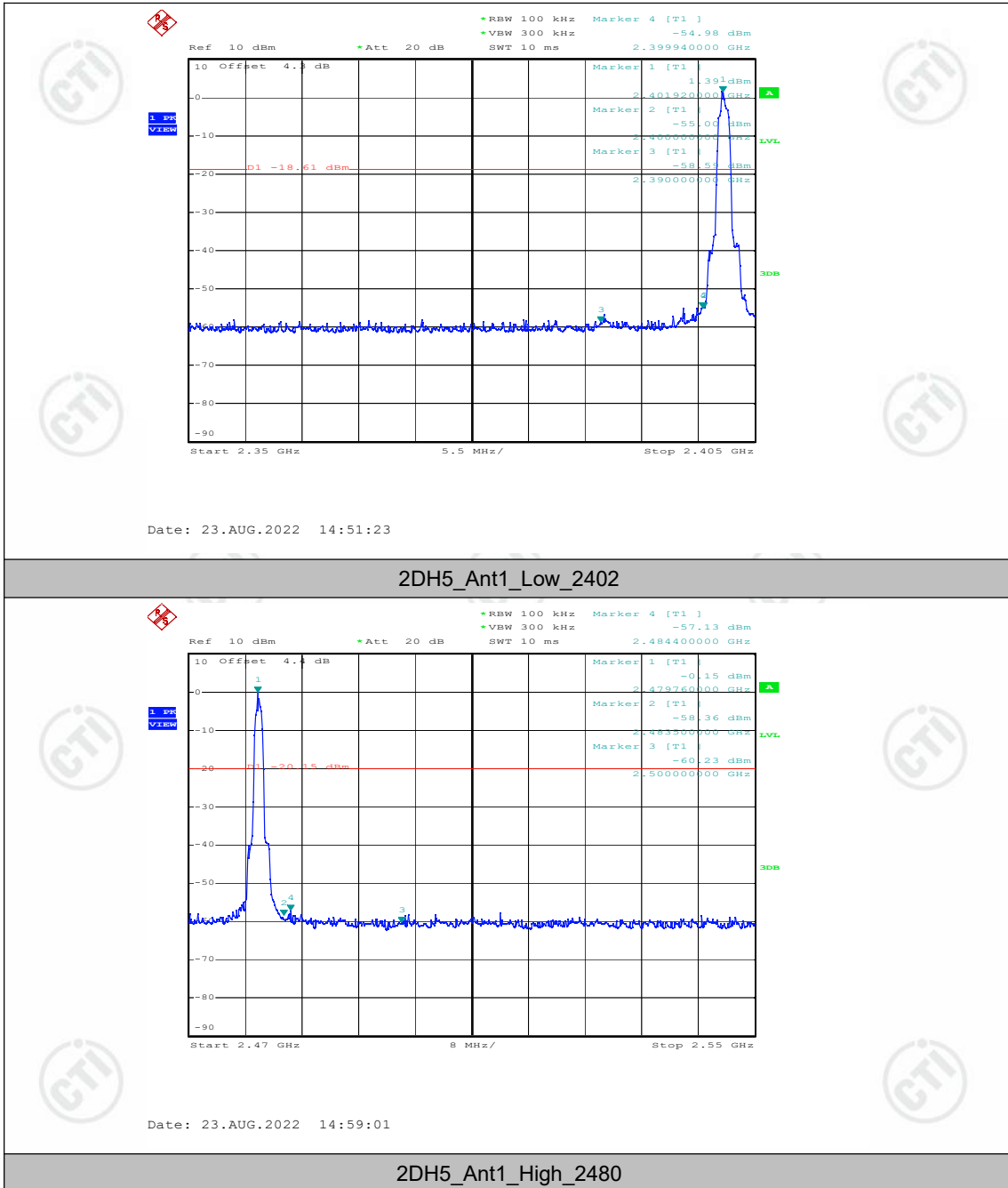


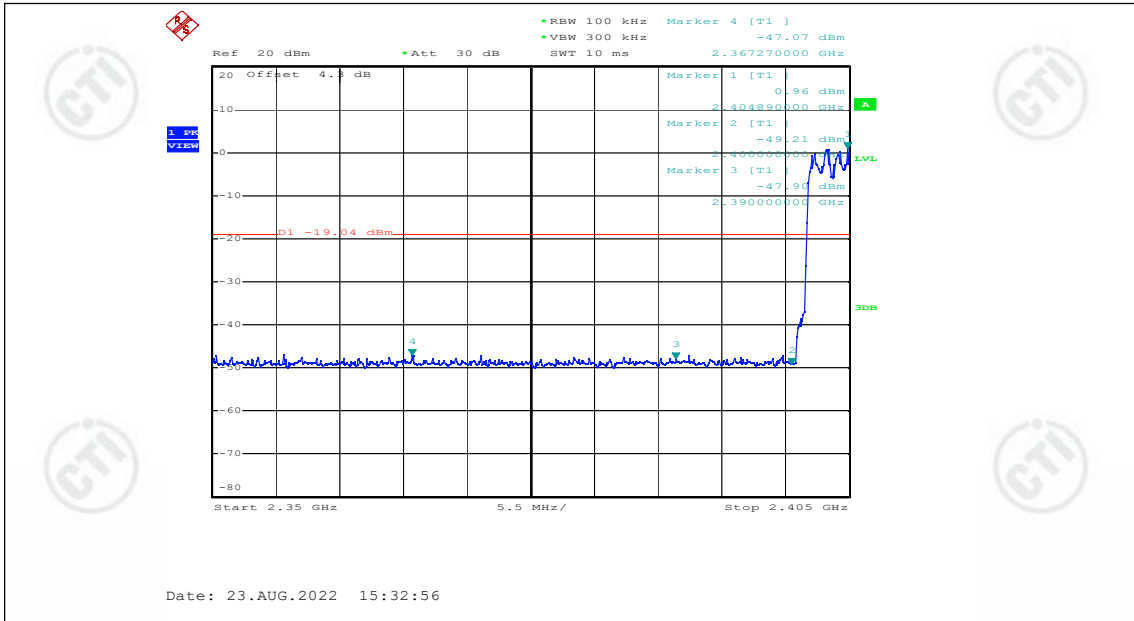


DH5_Ant1_Low_Hop_2402

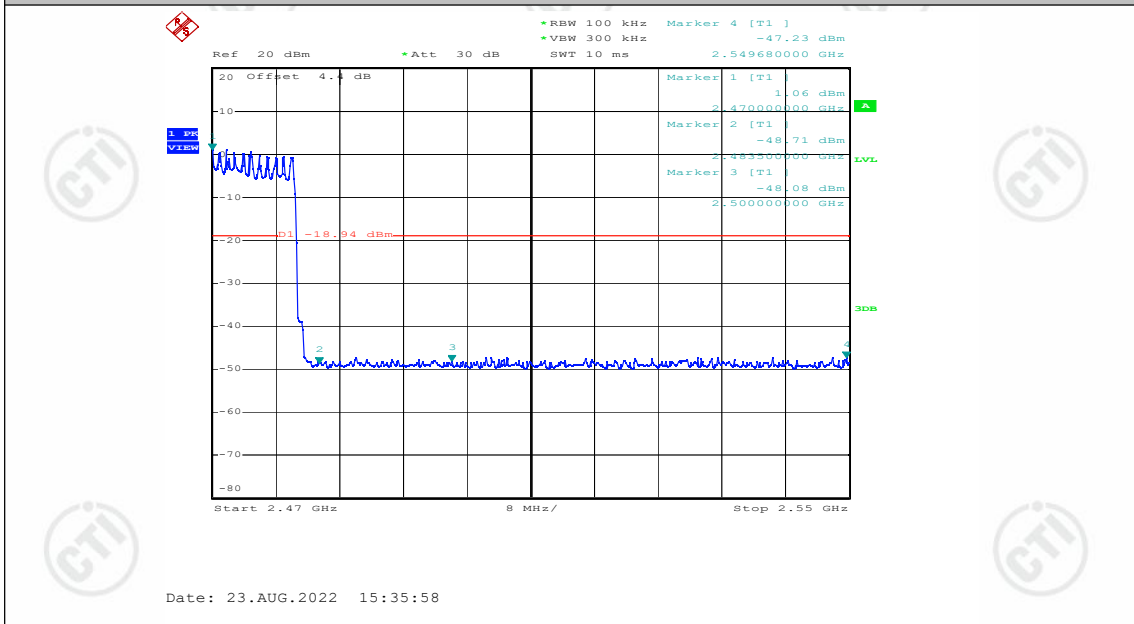


DH5_Ant1_High_Hop_2480

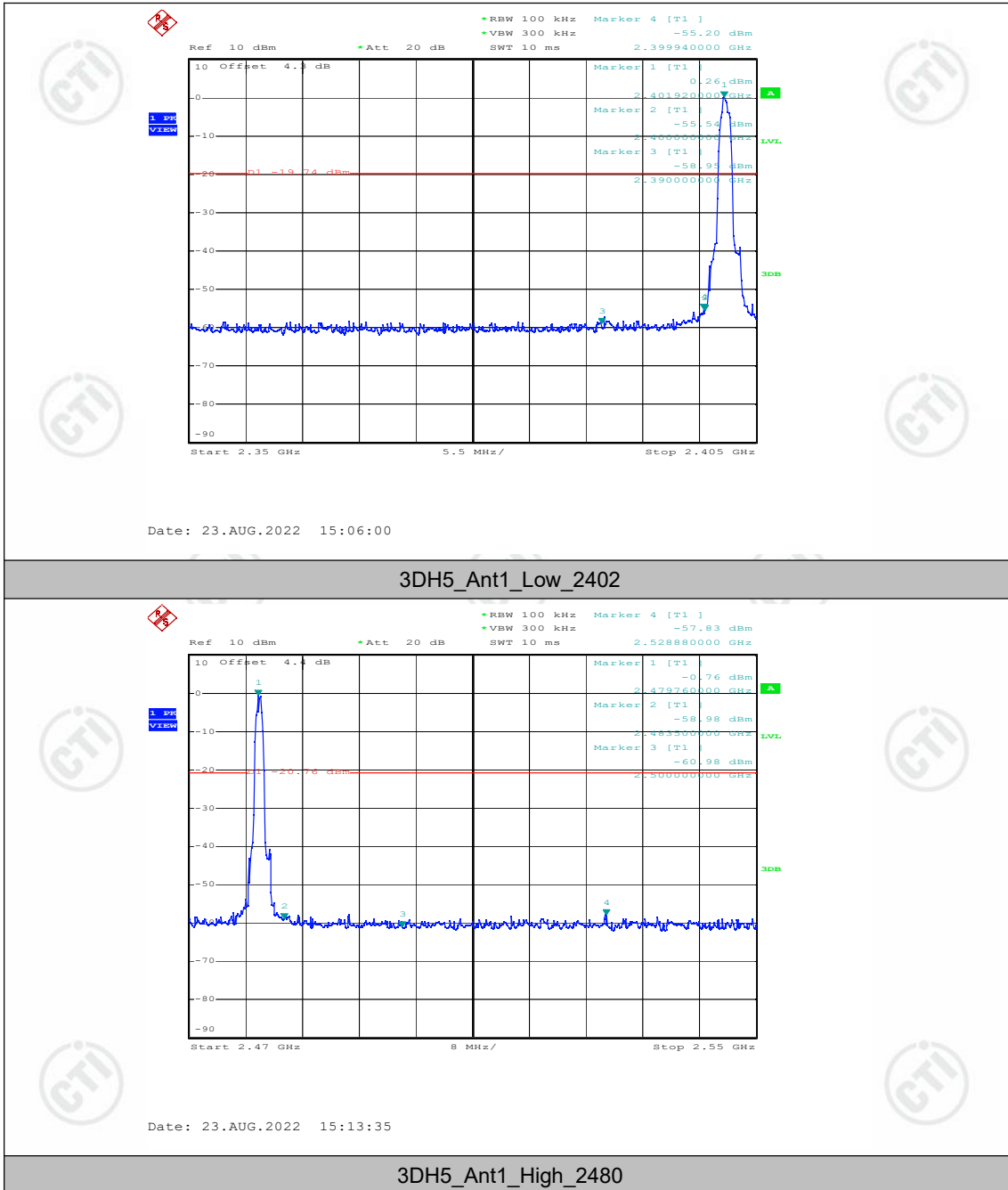


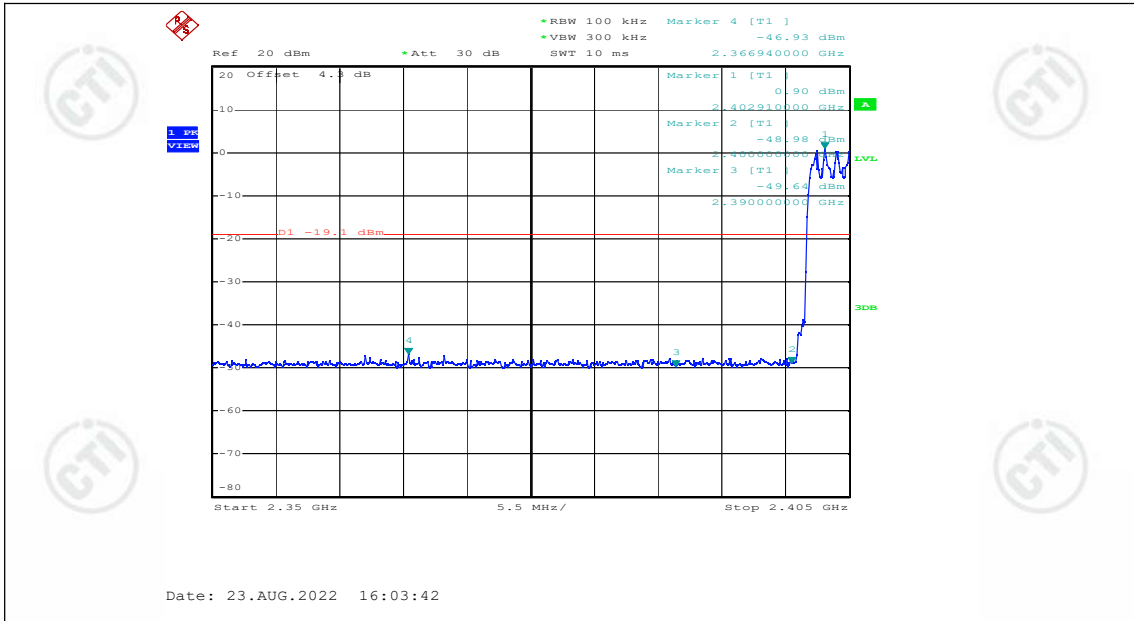


2DH5_Ant1_Low_Hop_2402

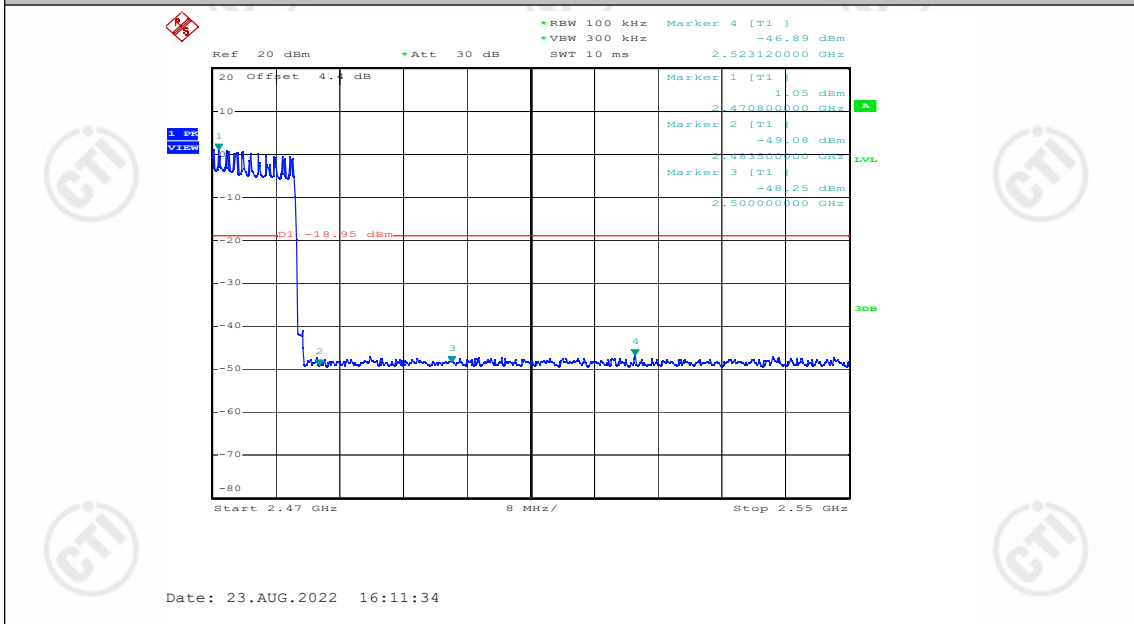


2DH5_Ant1_High_Hop_2480





3DH5_Ant1_Low_Hop_2402



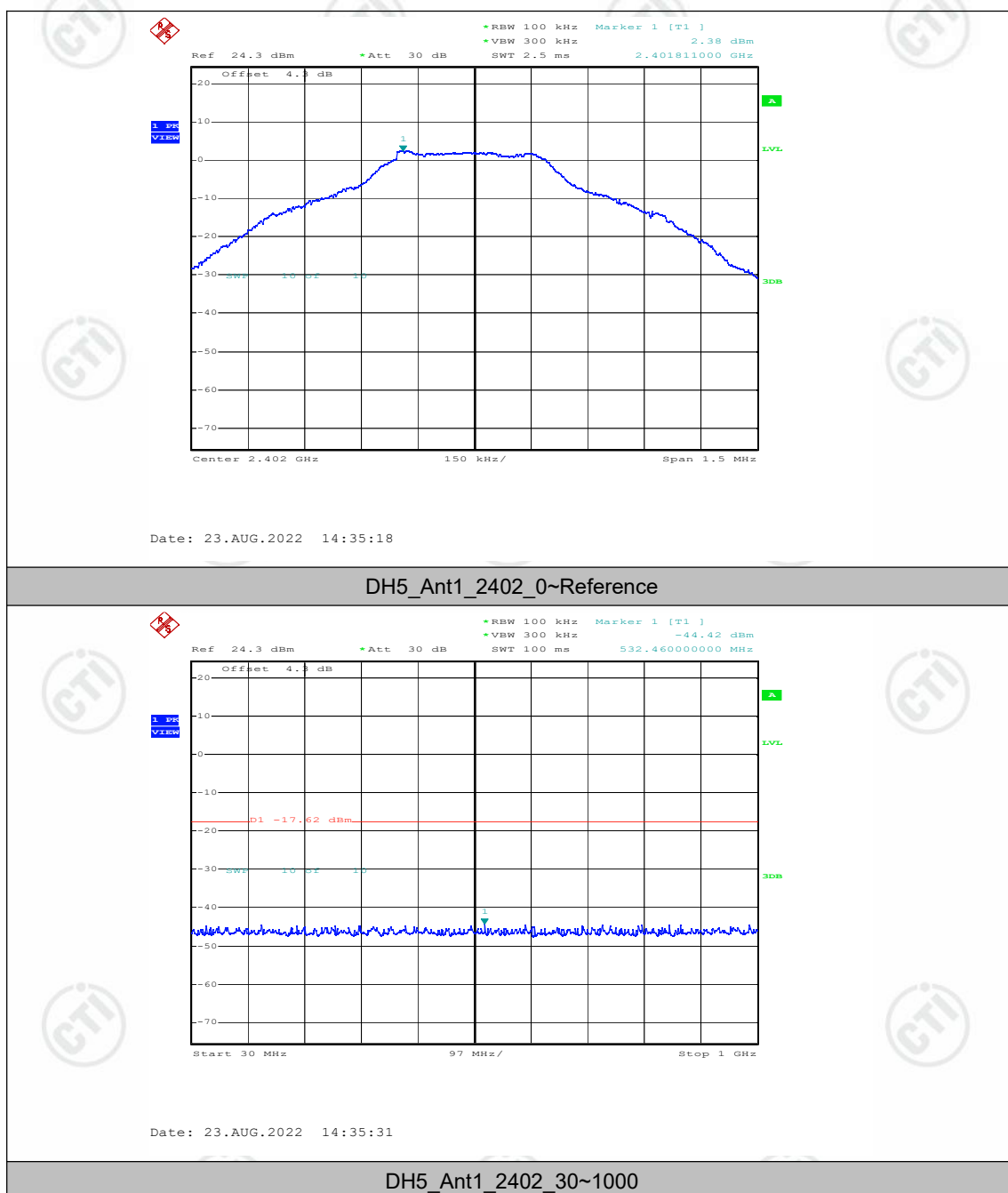
3DH5_Ant1_High_Hop_2480

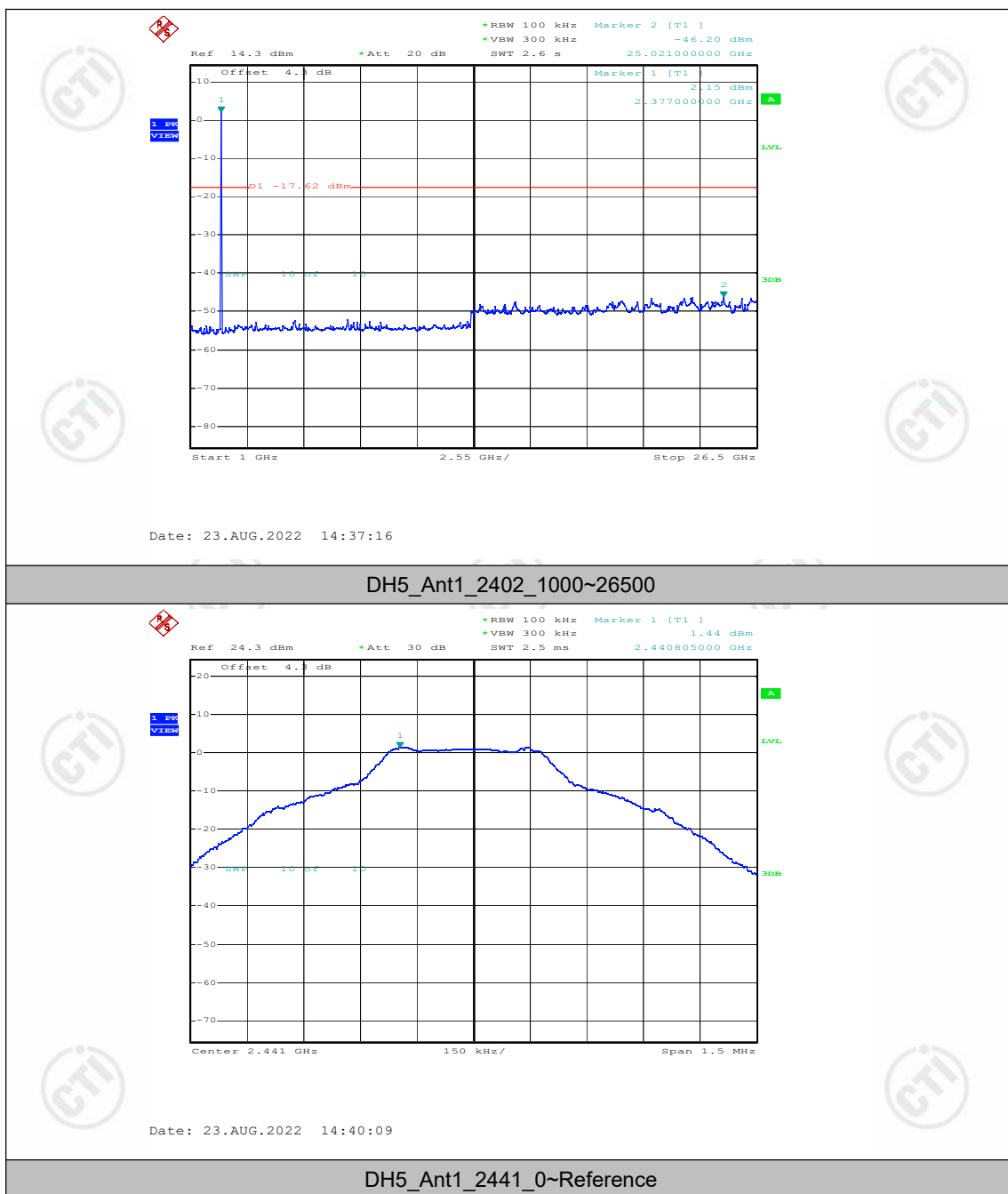
Appendix H:Conducted Spurious Emission

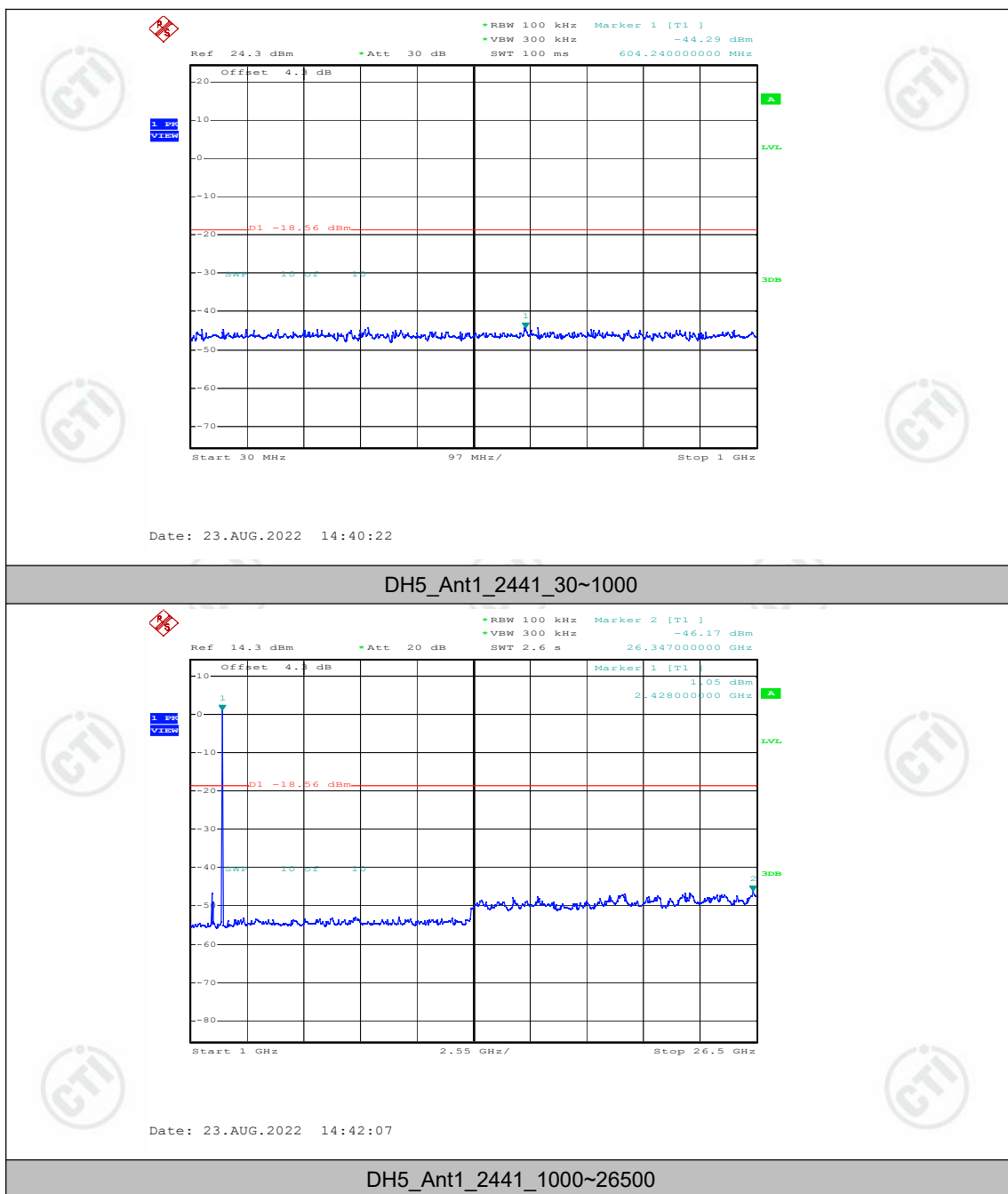
Test Result

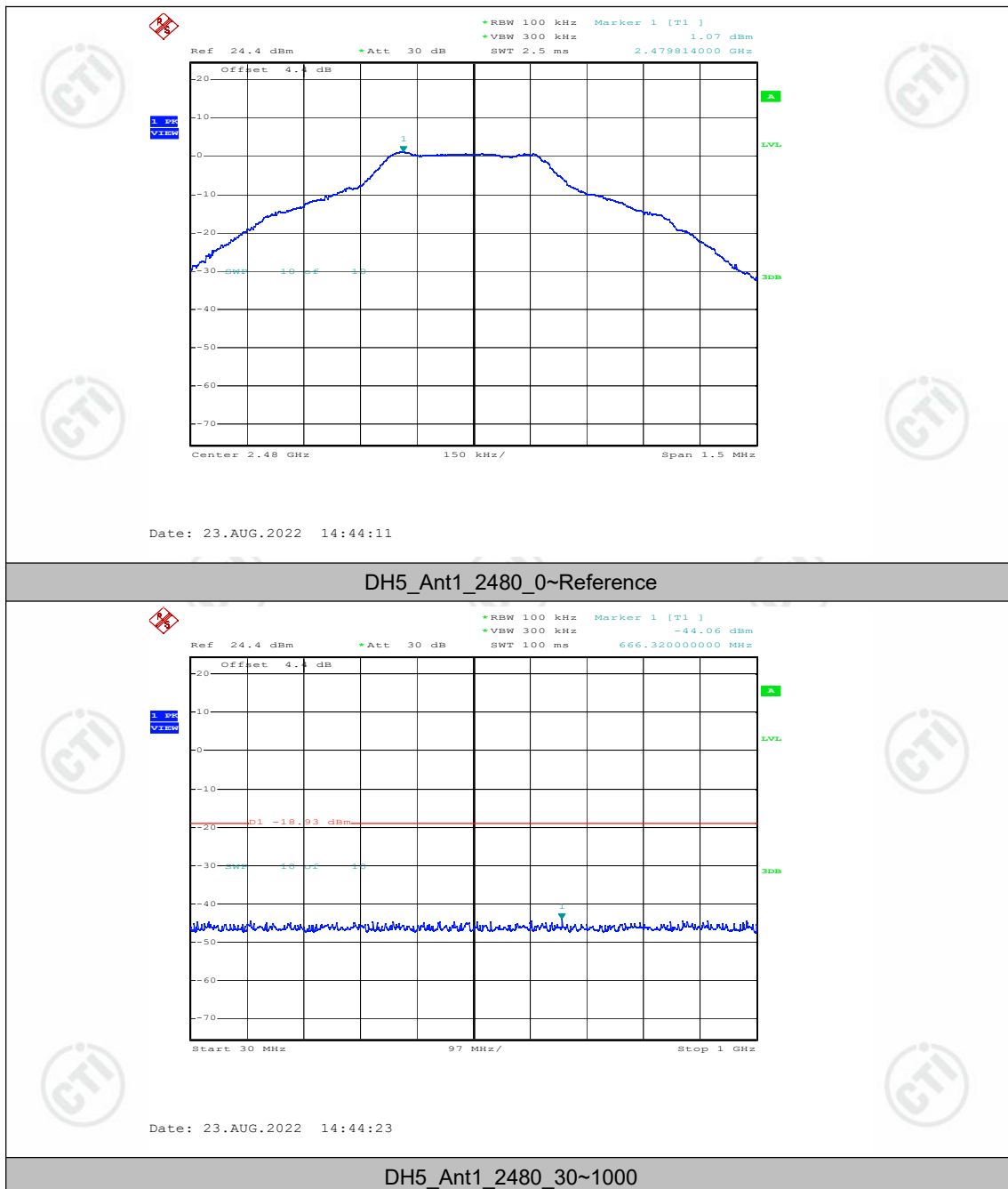
Test Mode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	2.38	2.38	---	PASS
			30~1000	2.38	-44.42	≤-17.62	PASS
			1000~26500	2.38	-46.2	≤-17.62	PASS
		2441	Reference	1.44	1.44	---	PASS
			30~1000	1.44	-44.29	≤-18.56	PASS
			1000~26500	1.44	-46.17	≤-18.56	PASS
		2480	Reference	1.07	1.07	---	PASS
			30~1000	1.07	-44.06	≤-18.93	PASS
			1000~26500	1.07	-45.67	≤-18.93	PASS
2DH5	Ant1	2402	Reference	1.37	1.37	---	PASS
			30~1000	1.37	-44.22	≤-18.63	PASS
			1000~26500	1.37	-46.06	≤-18.63	PASS
		2441	Reference	0.43	0.43	---	PASS
			30~1000	0.43	-43.95	≤-19.57	PASS
			1000~26500	0.43	-46.28	≤-19.57	PASS
		2480	Reference	-0.08	-0.08	---	PASS
			30~1000	-0.08	-44.15	≤-20.08	PASS
			1000~26500	-0.08	-45.91	≤-20.08	PASS
3DH5	Ant1	2402	Reference	0.72	0.72	---	PASS
			30~1000	0.72	-43.45	≤-19.28	PASS
			1000~26500	0.72	-46.22	≤-19.28	PASS
		2441	Reference	-0.19	-0.19	---	PASS
			30~1000	-0.19	-43.69	≤-20.19	PASS
			1000~26500	-0.19	-46.36	≤-20.19	PASS
		2480	Reference	-0.68	-0.68	---	PASS
			30~1000	-0.68	-43.74	≤-20.68	PASS
			1000~26500	-0.68	-46.48	≤-20.68	PASS

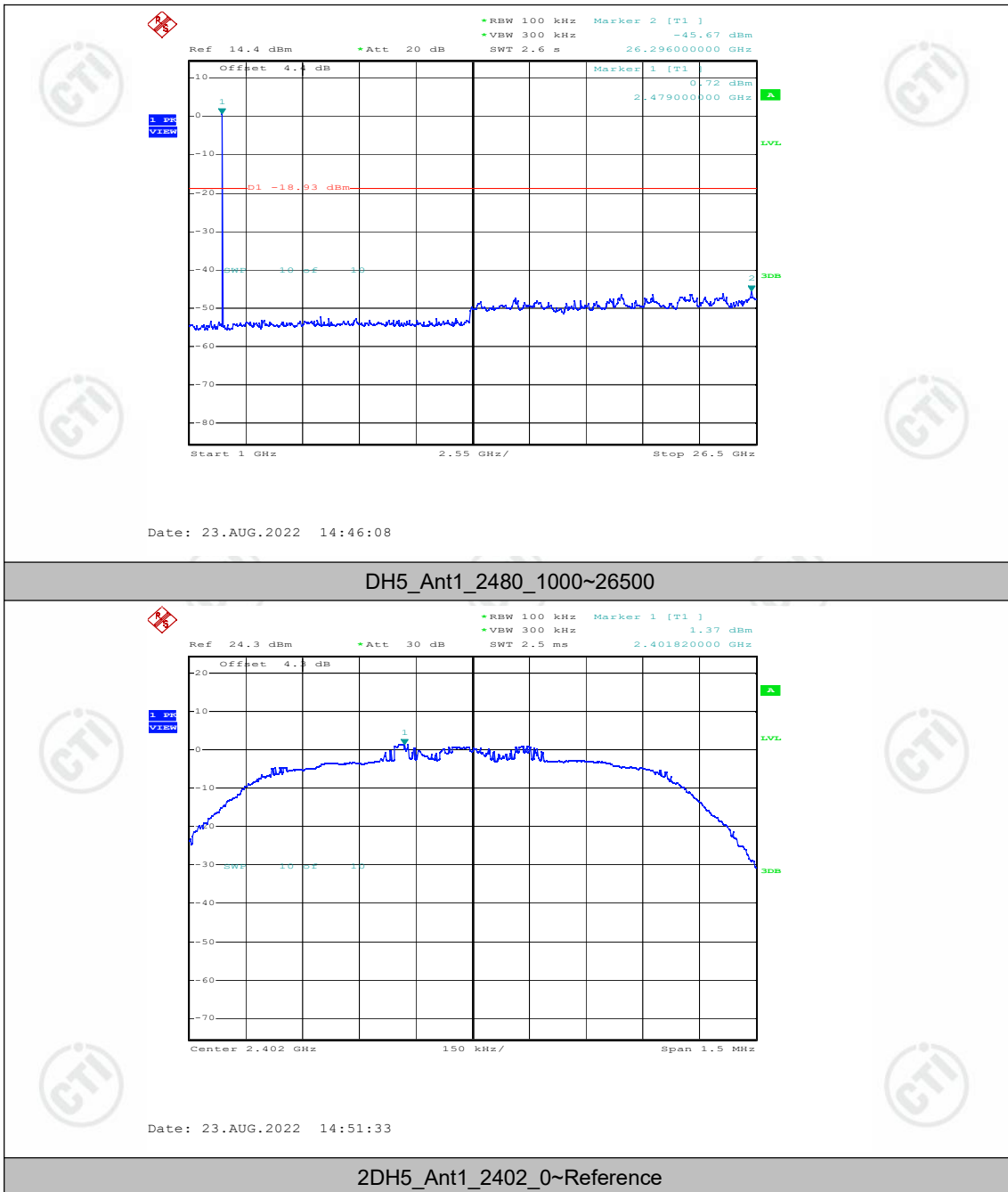
Test Graphs

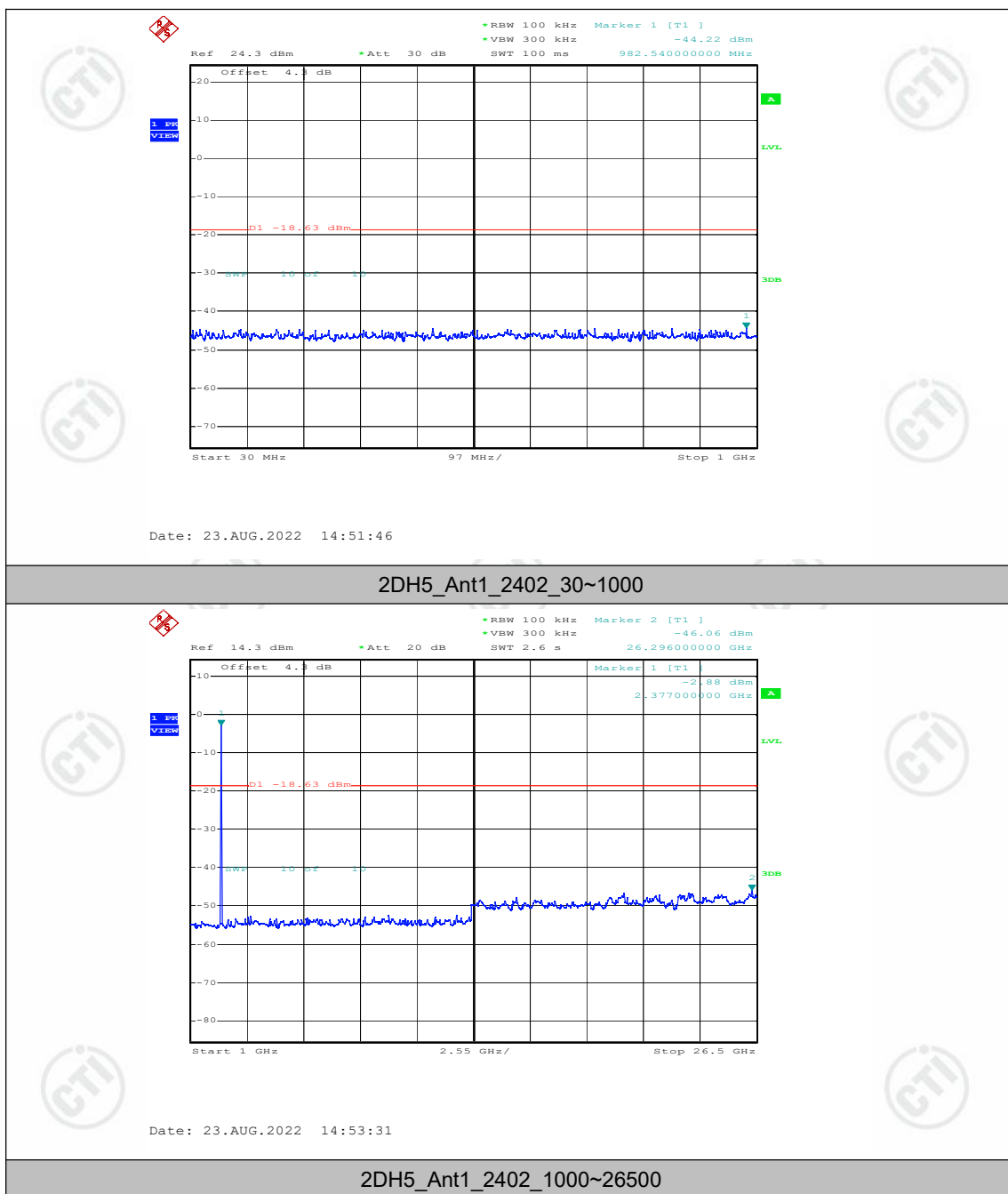


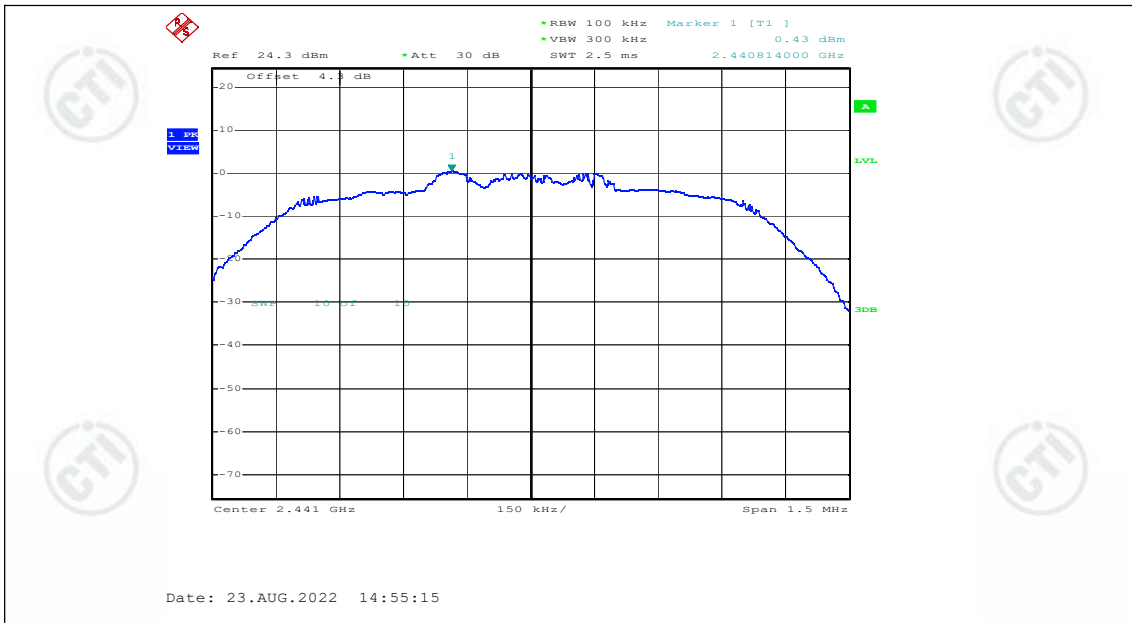




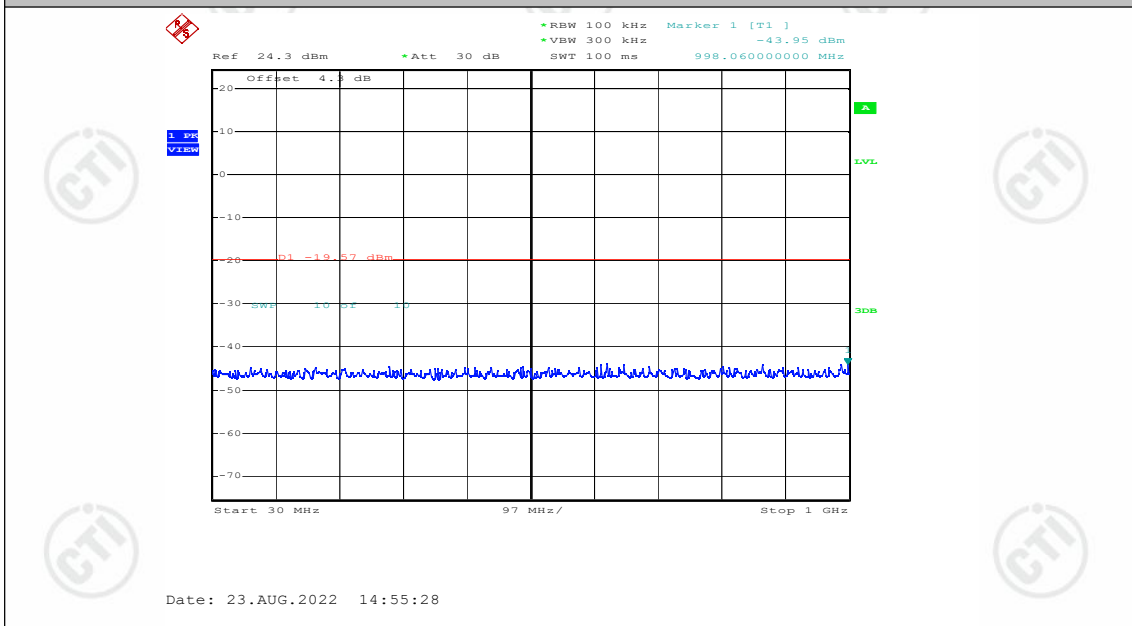




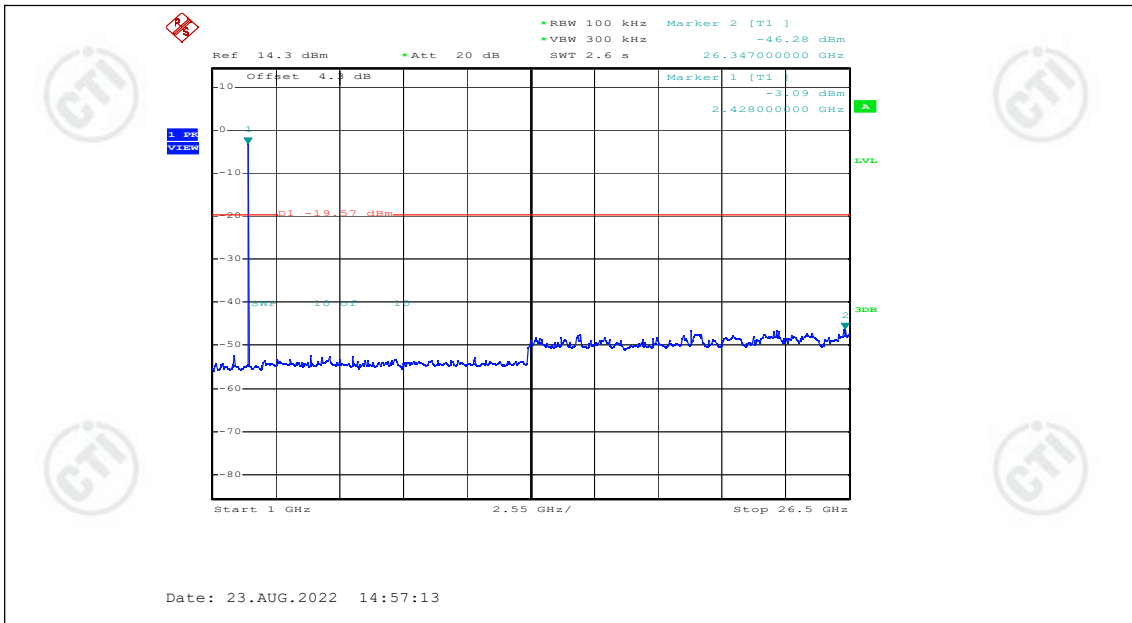




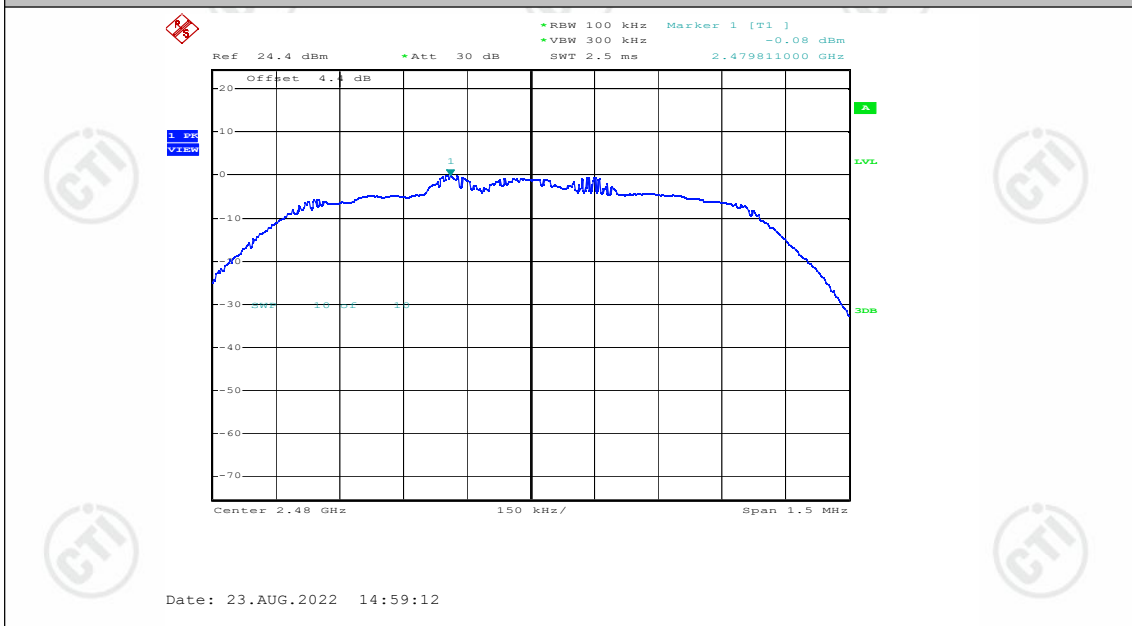
2DH5_Ant1_2441_0~Reference



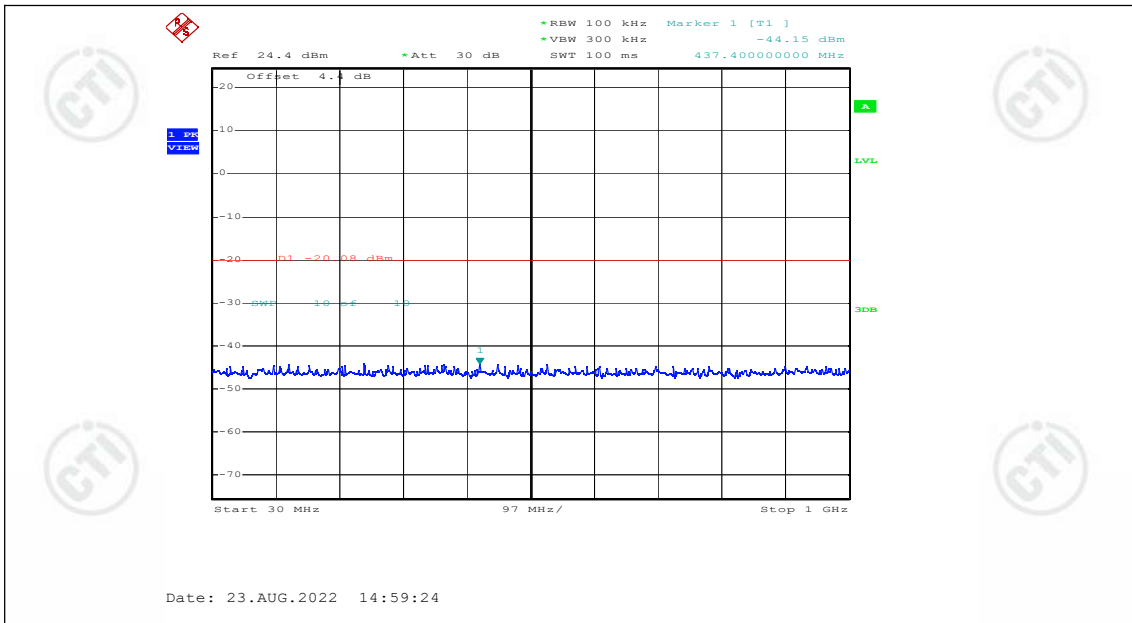
2DH5_Ant1_2441_30~1000



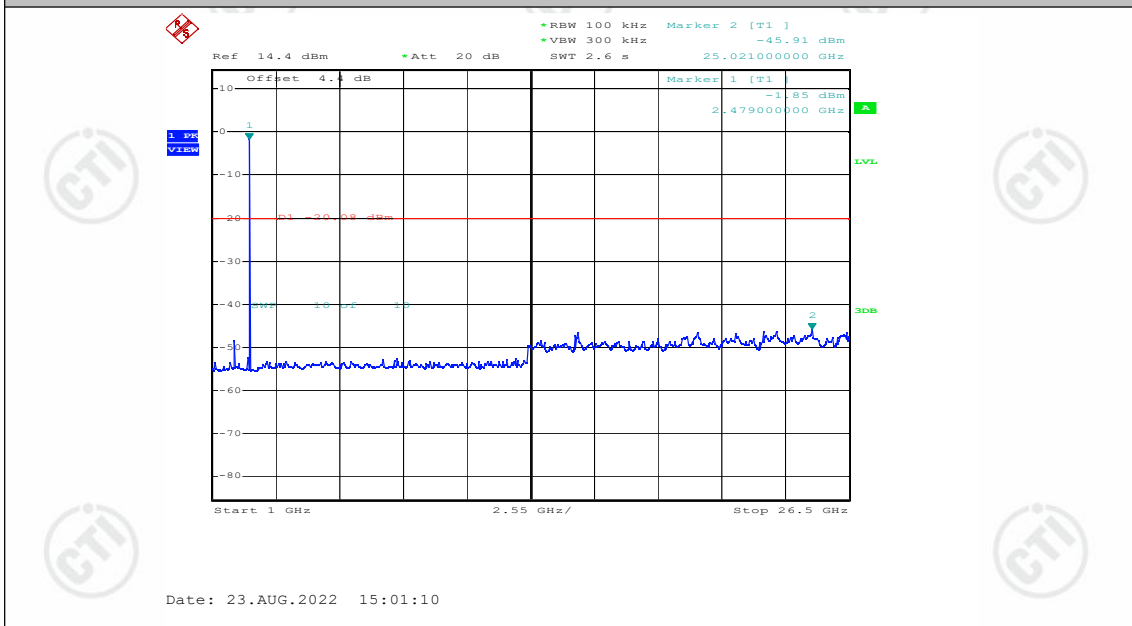
2DH5_Ant1_2441_1000~26500



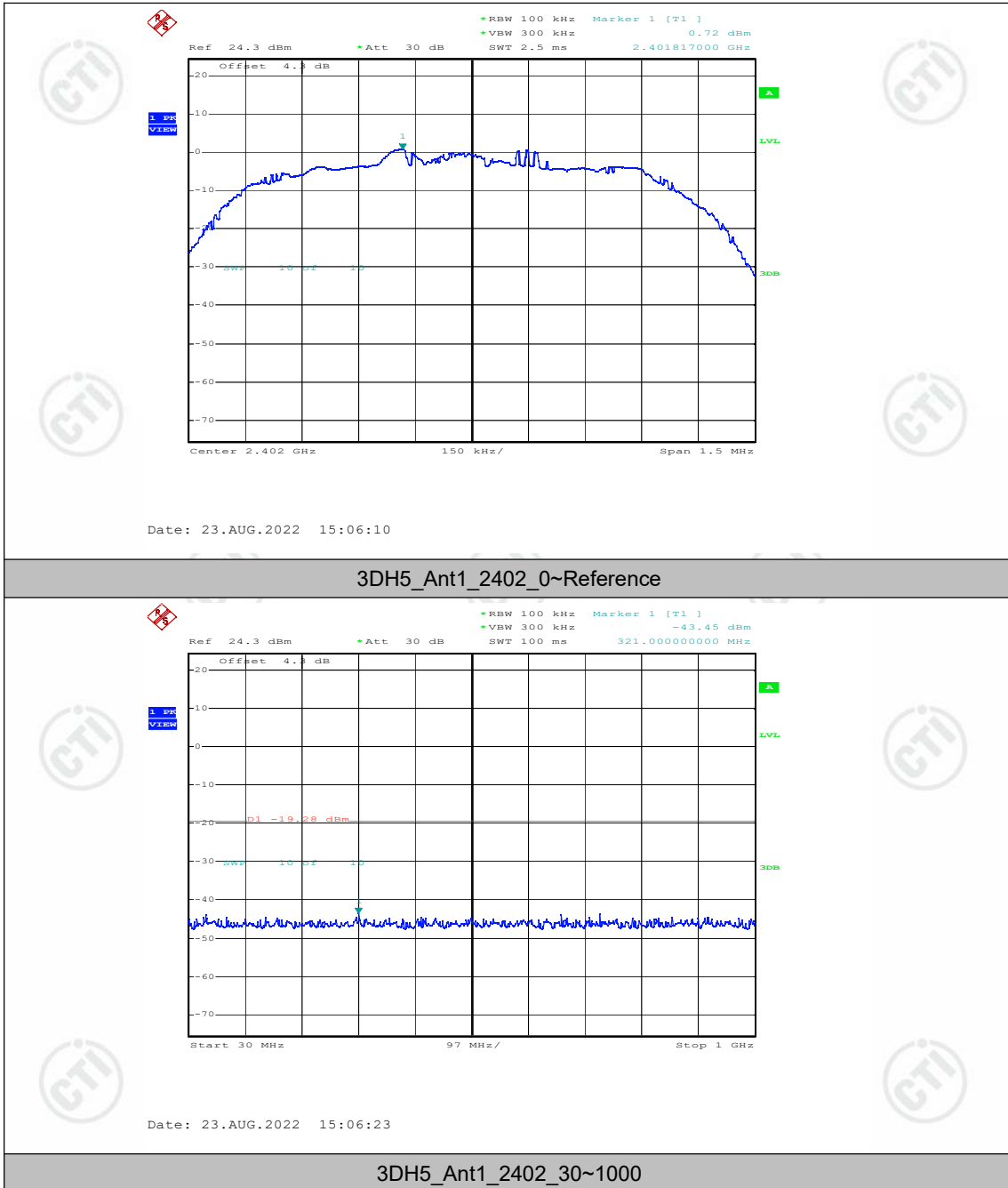
2DH5_Ant1_2480_0~Reference

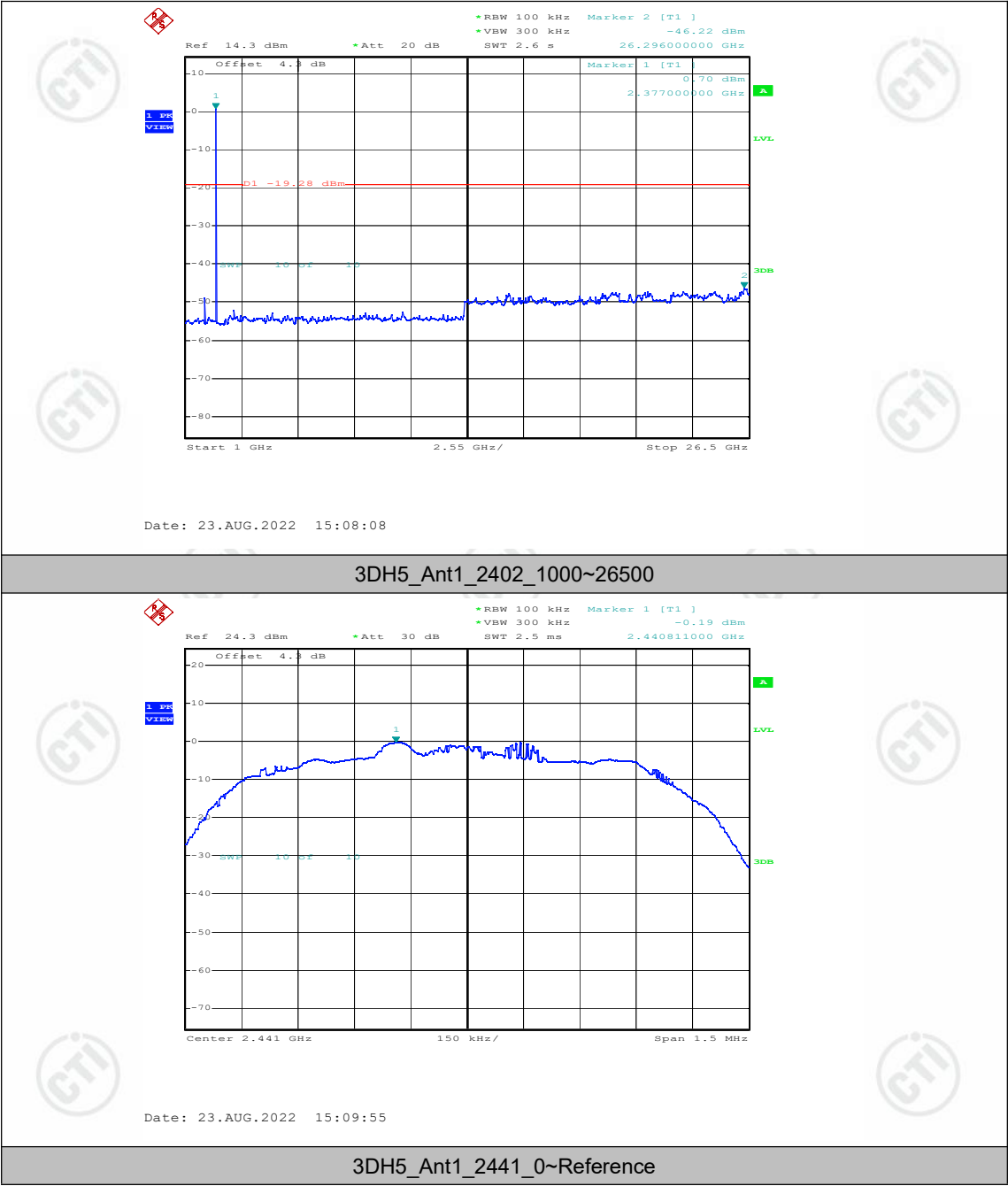


2DH5_Ant1_2480_30~1000

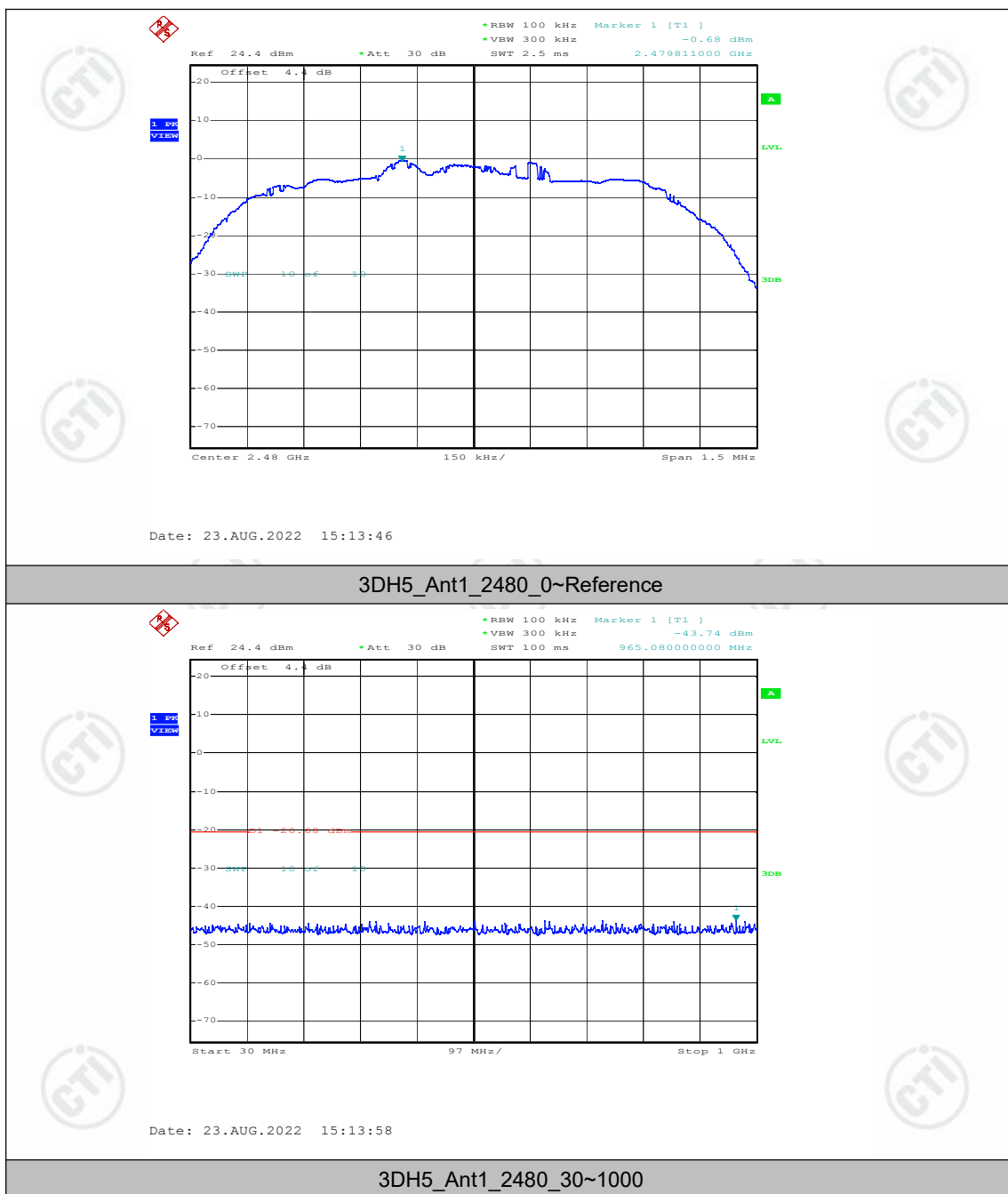


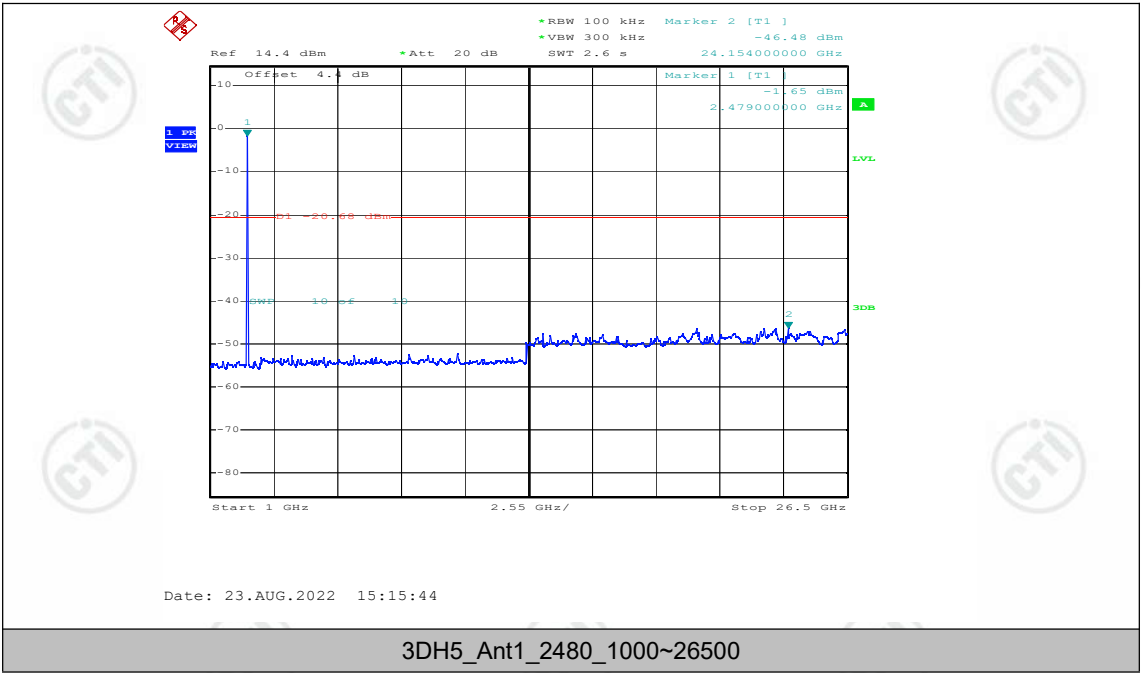
2DH5_Ant1_2480_1000~26500











Appendix I: DutyCycle

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	---	---

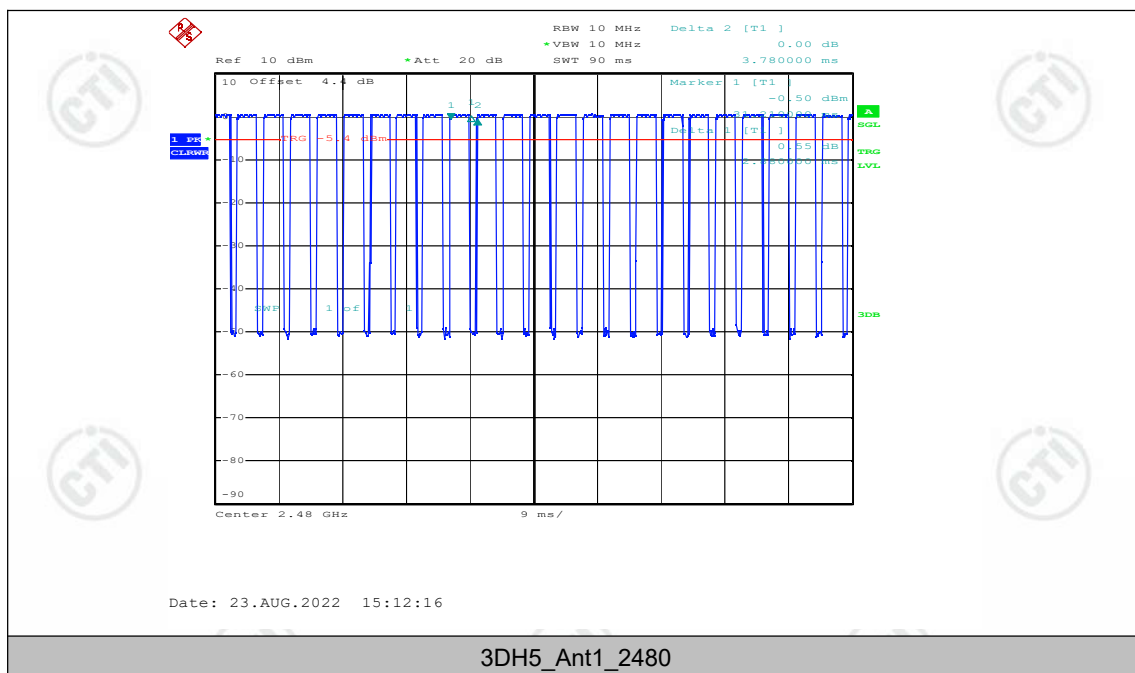
Test Graphs











*** End of Report ***