

Appendix: Bluetooth Classic

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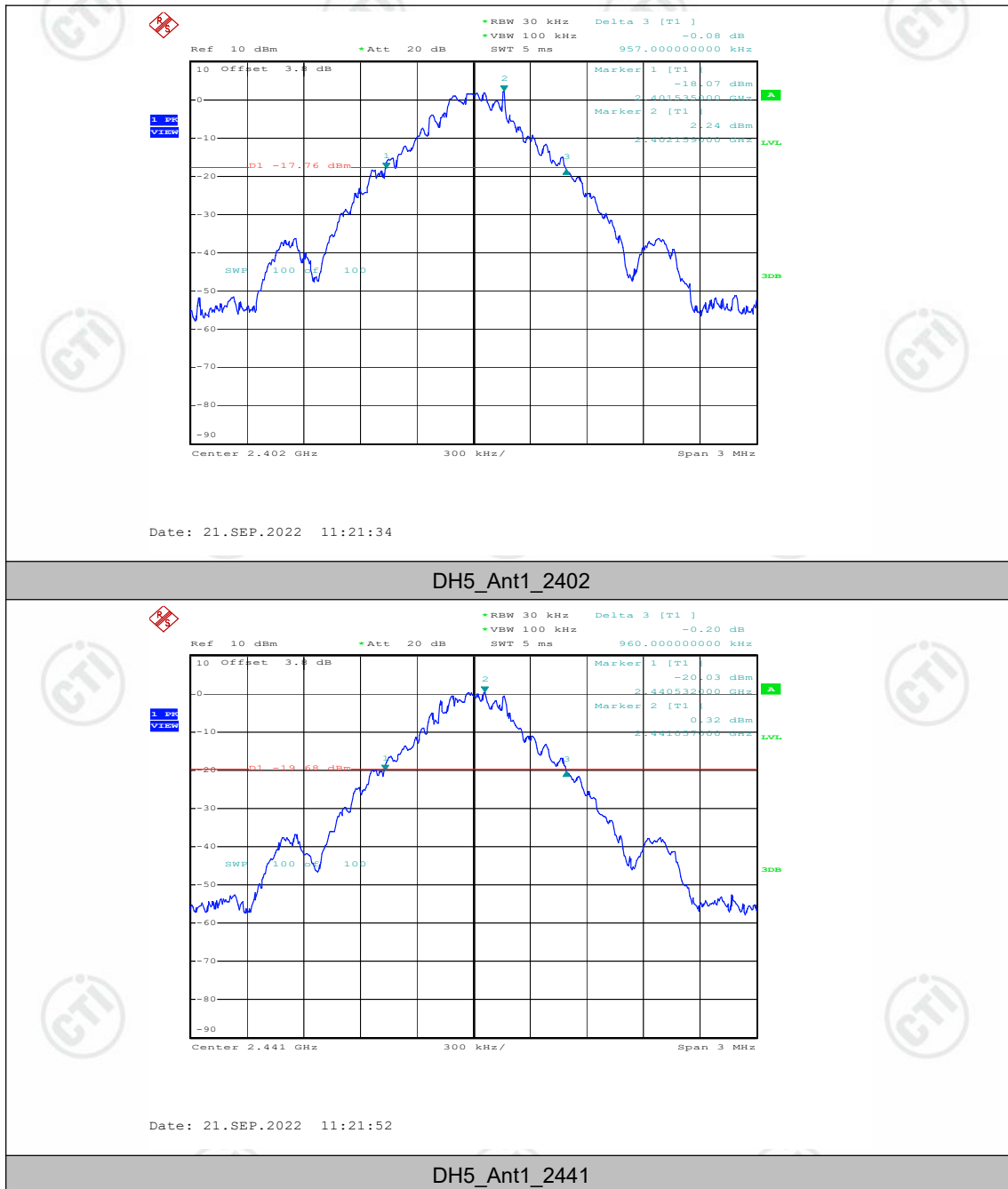
 Test Graphs..... 60

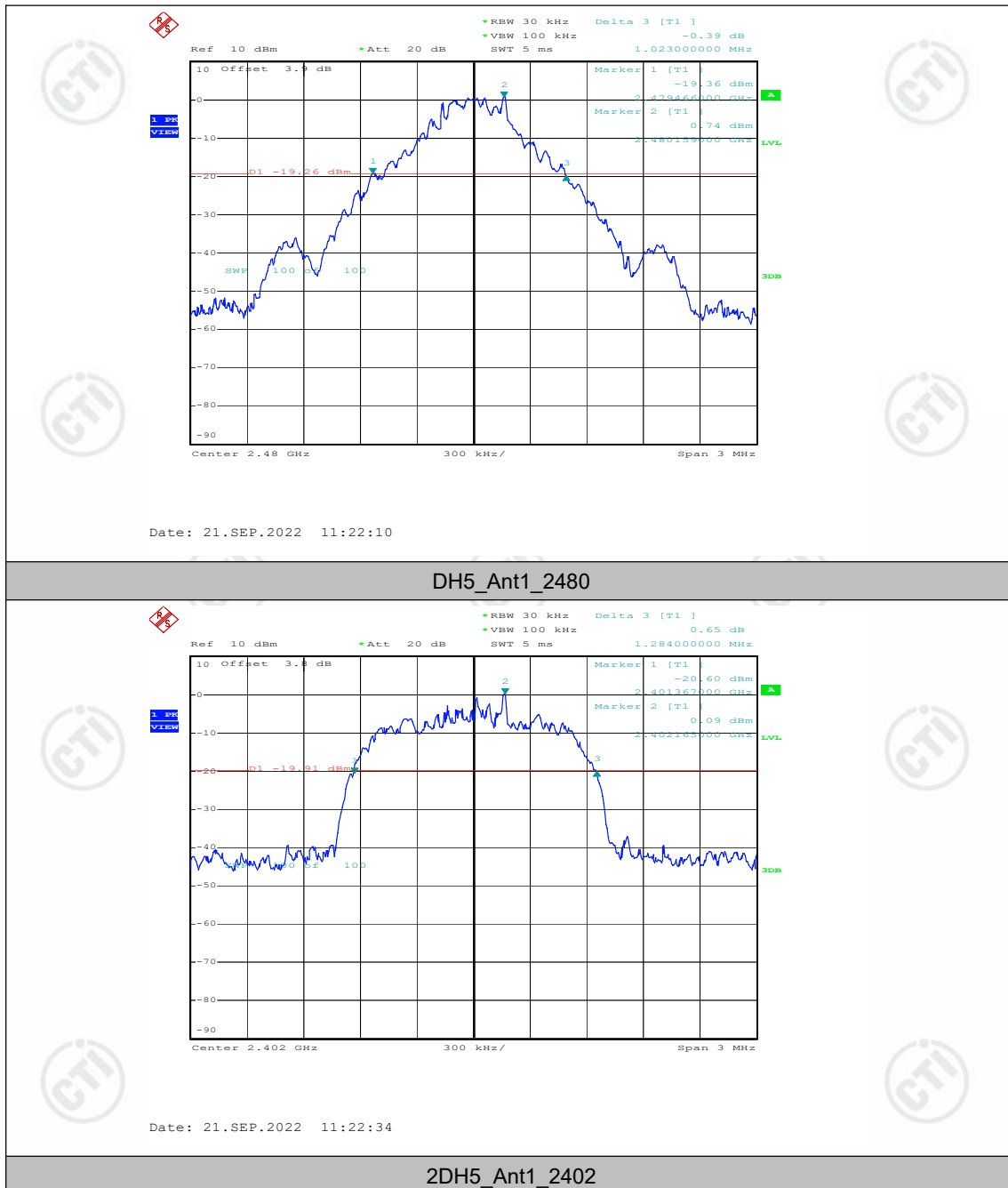
Appendix A: 20dB Emission Bandwidth

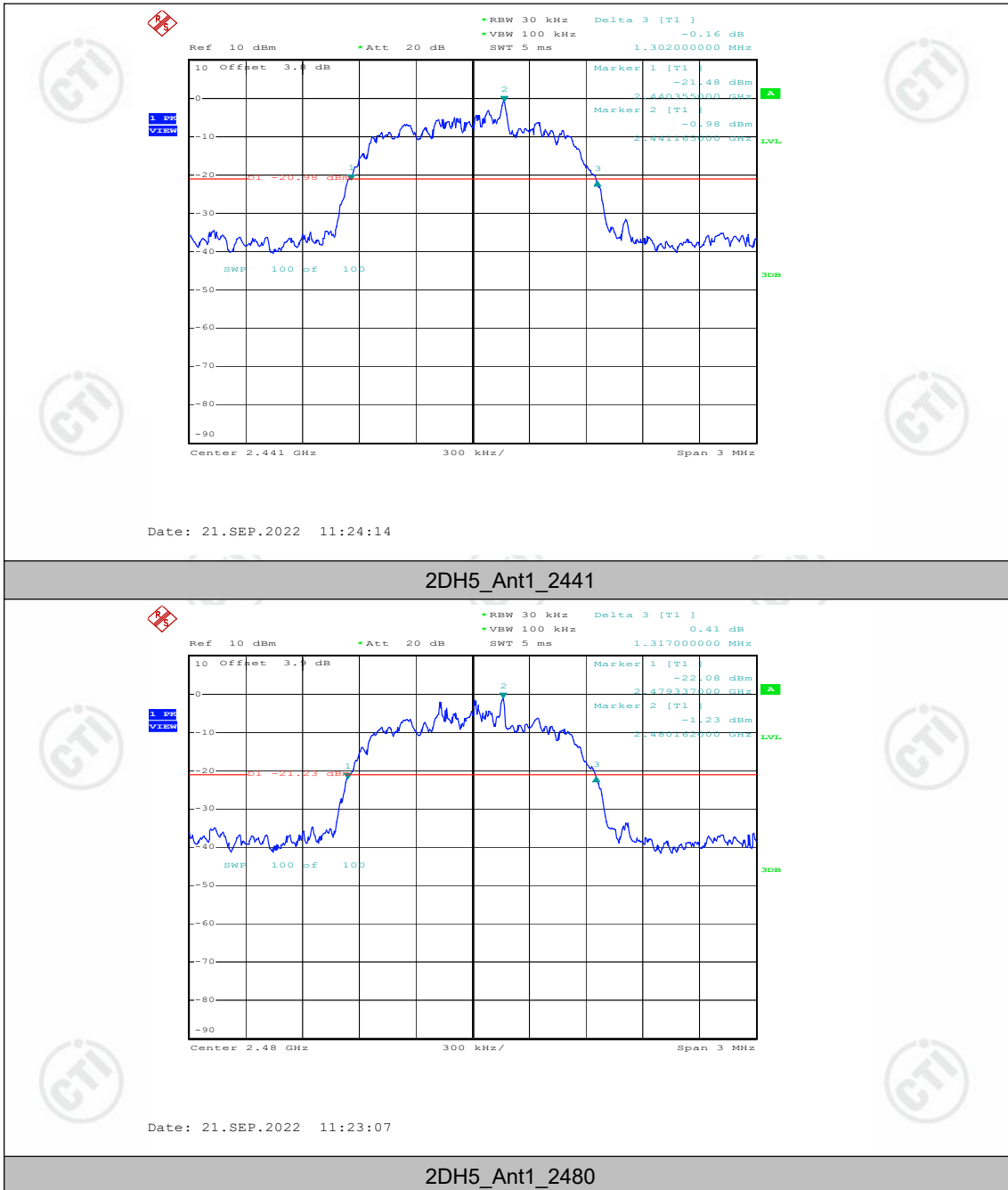
Test Result

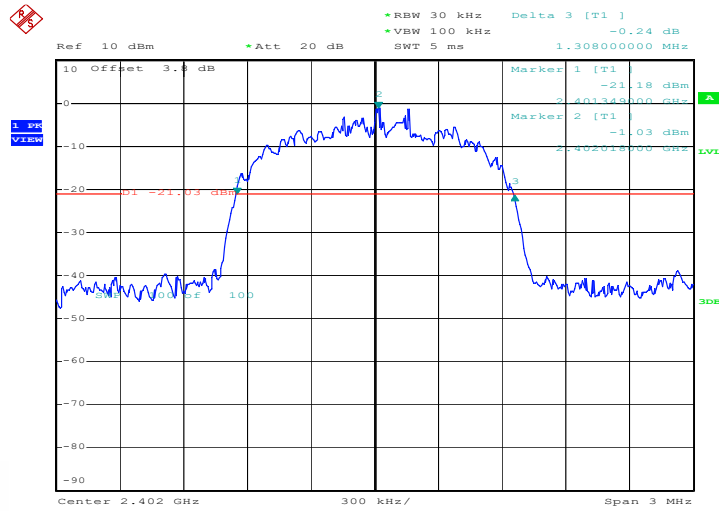
Test Mode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.96	2401.54	2402.49	---	---
		2441	0.96	2440.53	2441.49	---	---
		2480	1.02	2479.47	2480.49	---	---
2DH5	Ant1	2402	1.28	2401.37	2402.65	---	---
		2441	1.30	2440.36	2441.66	---	---
		2480	1.32	2479.34	2480.65	---	---
3DH5	Ant1	2402	1.31	2401.35	2402.66	---	---
		2441	1.31	2440.35	2441.66	---	---
		2480	1.30	2479.35	2480.65	---	---

Test Graphs



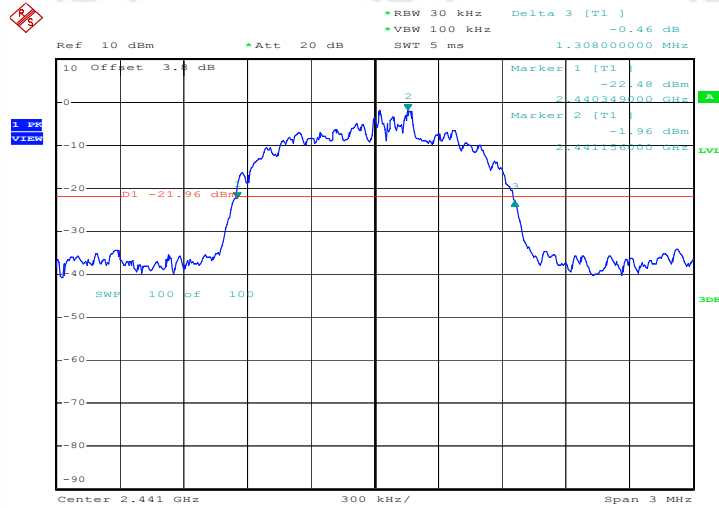






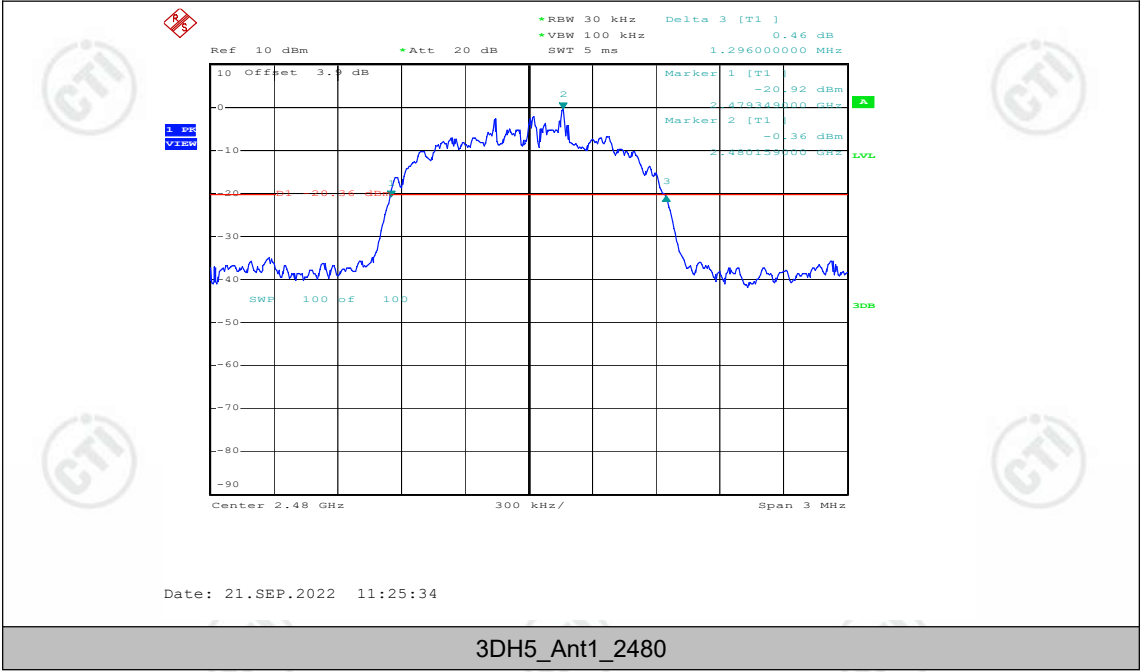
Date: 21.SEP.2022 11:24:39

3DH5_Ant1_2402



Date: 21.SEP.2022 11:25:16

3DH5_Ant1_2441

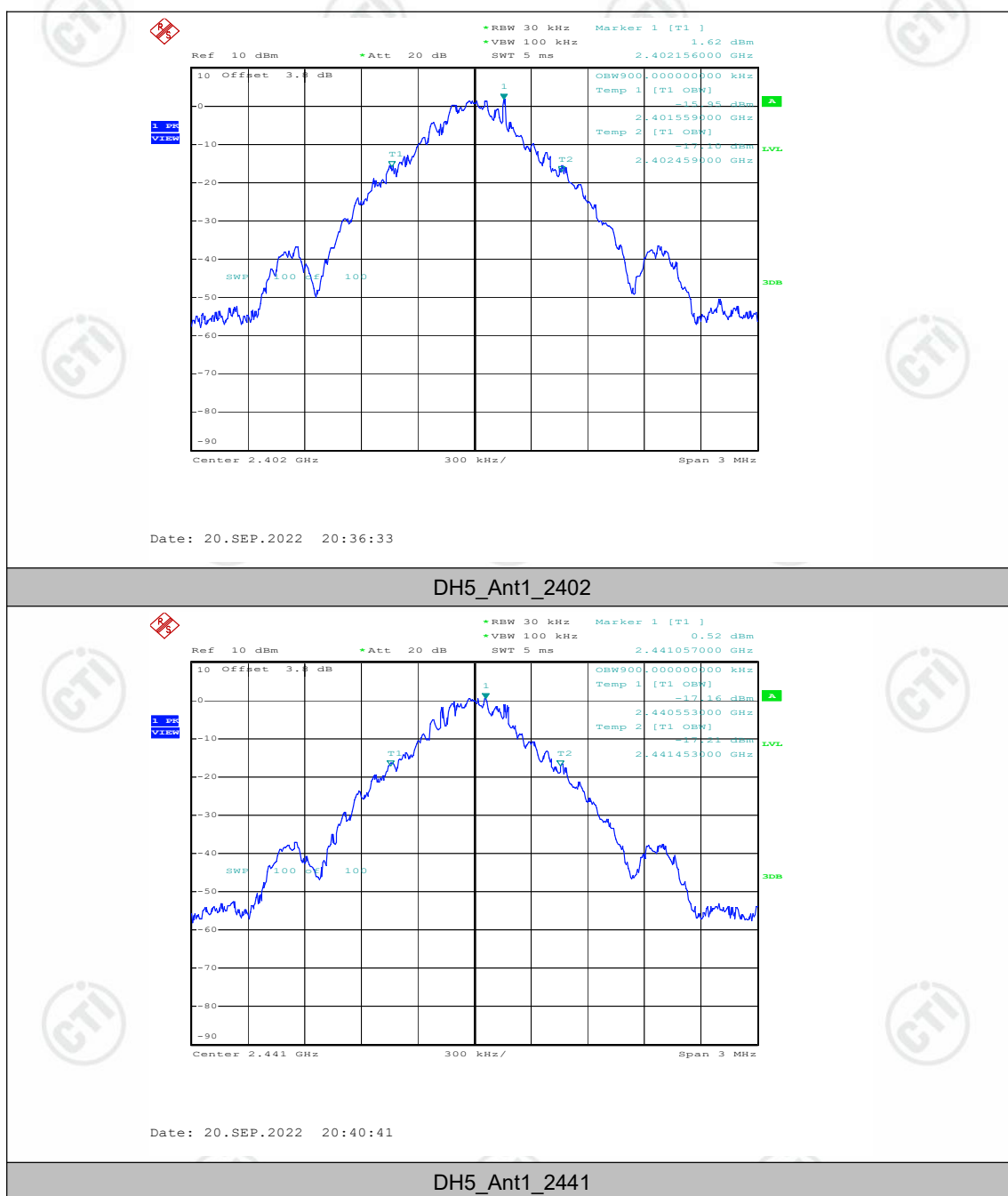


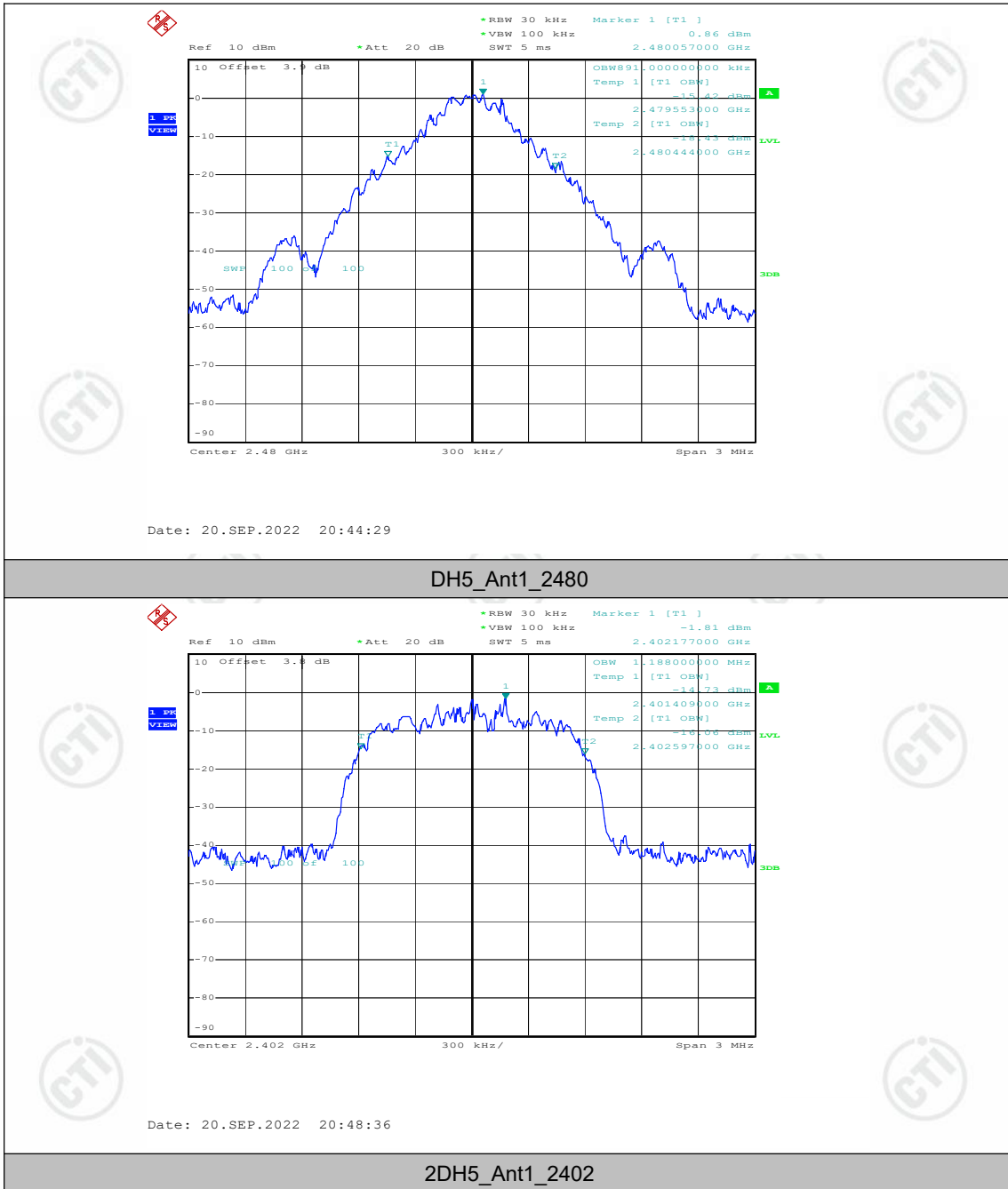
Appendix B: Occupied Channel Bandwidth

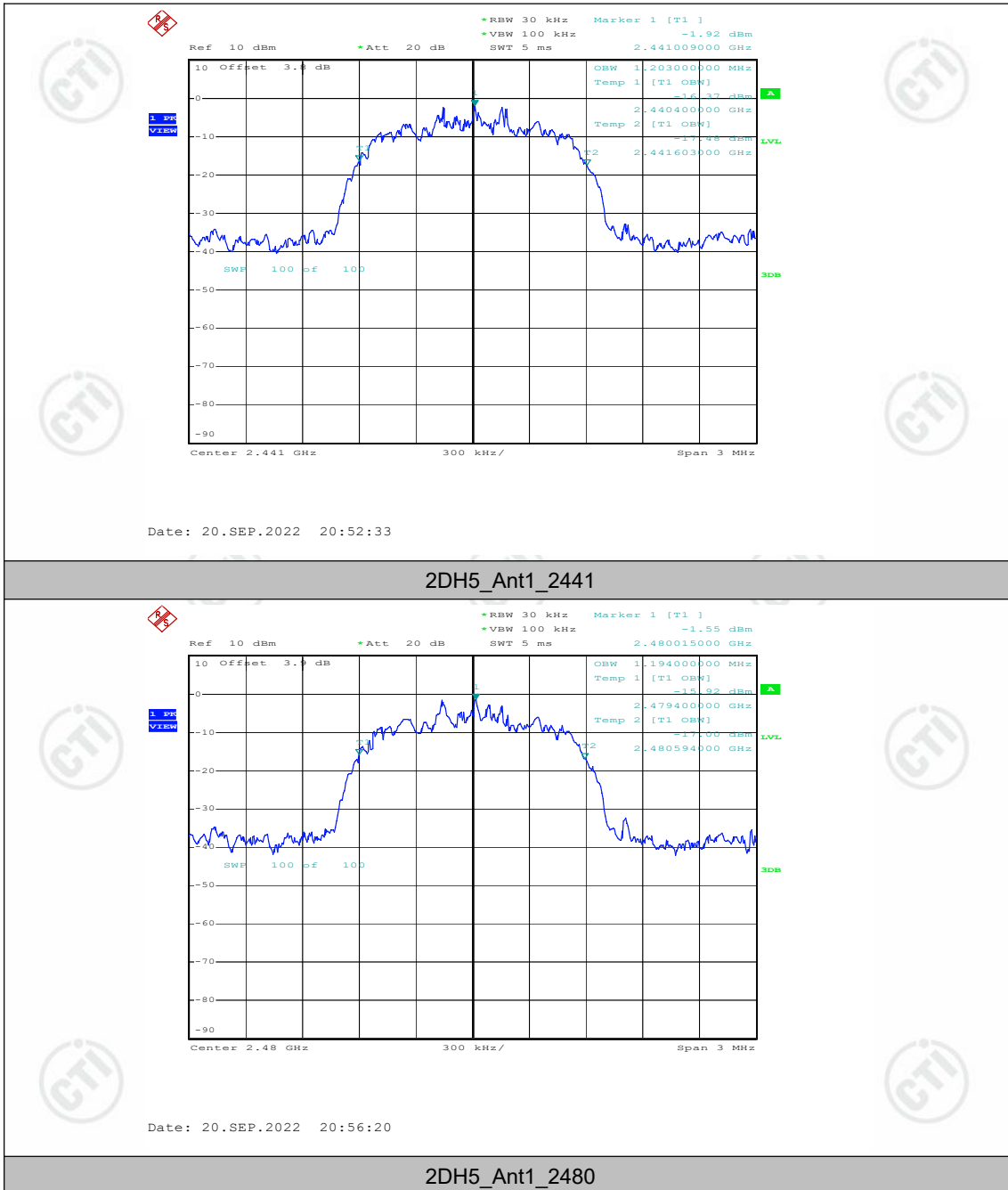
Test Result

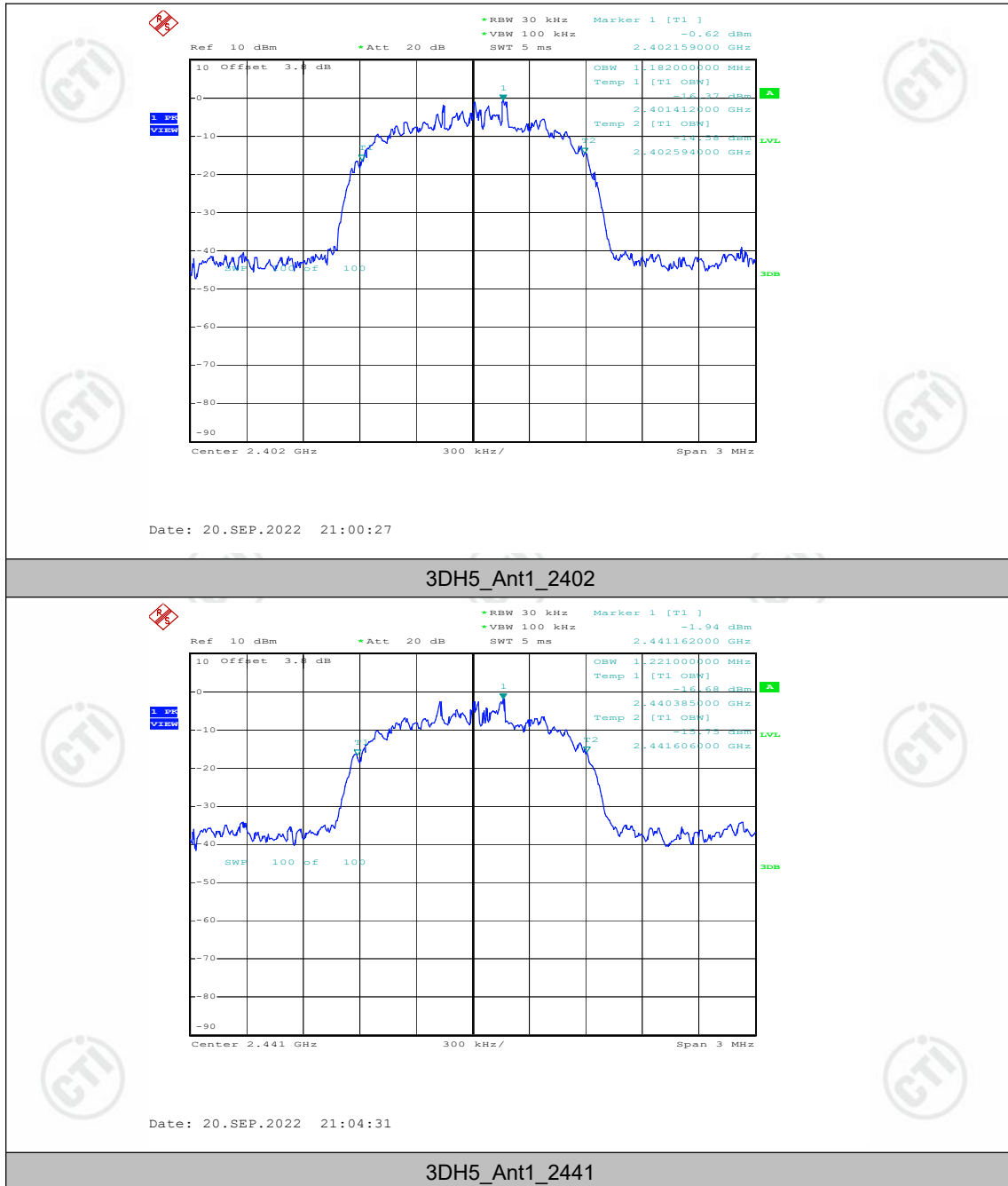
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.9	0.000	0.000	---	---
		2441	0.9	0.000	0.000	---	---
		2480	0.891	0.000	0.000	---	---
2DH5	Ant1	2402	1.188	0.000	0.000	---	---
		2441	1.203	0.000	0.000	---	---
		2480	1.194	0.000	0.000	---	---
3DH5	Ant1	2402	1.182	0.000	0.000	---	---
		2441	1.221	0.000	0.000	---	---
		2480	1.212	0.000	0.000	---	---

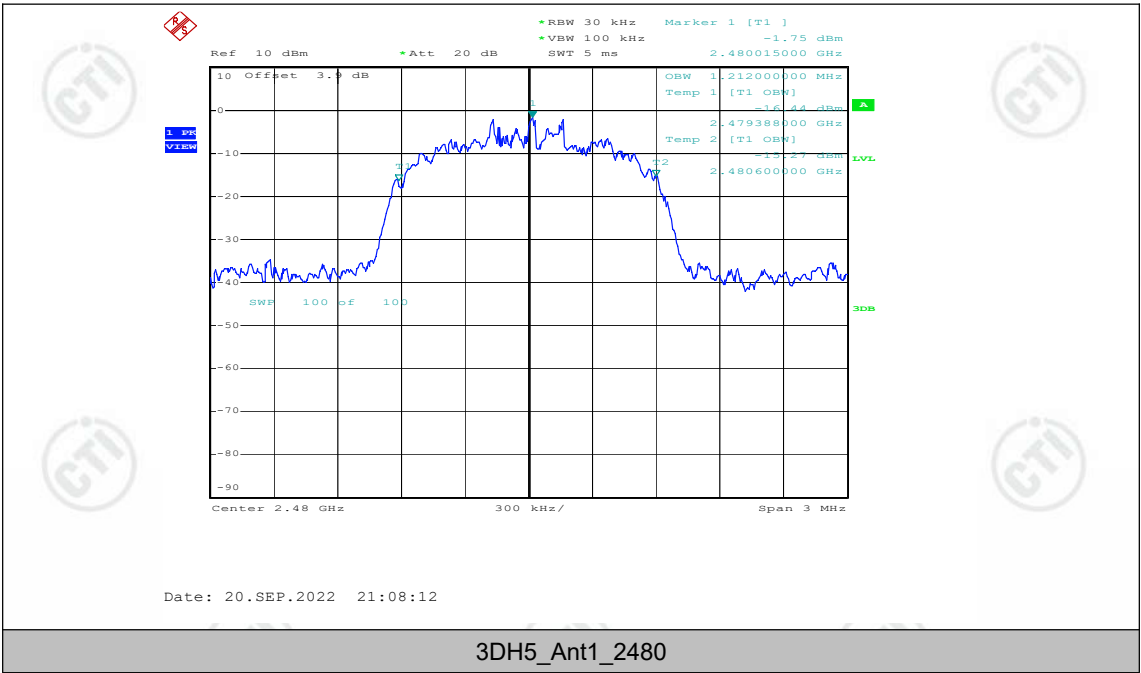
Test Graphs









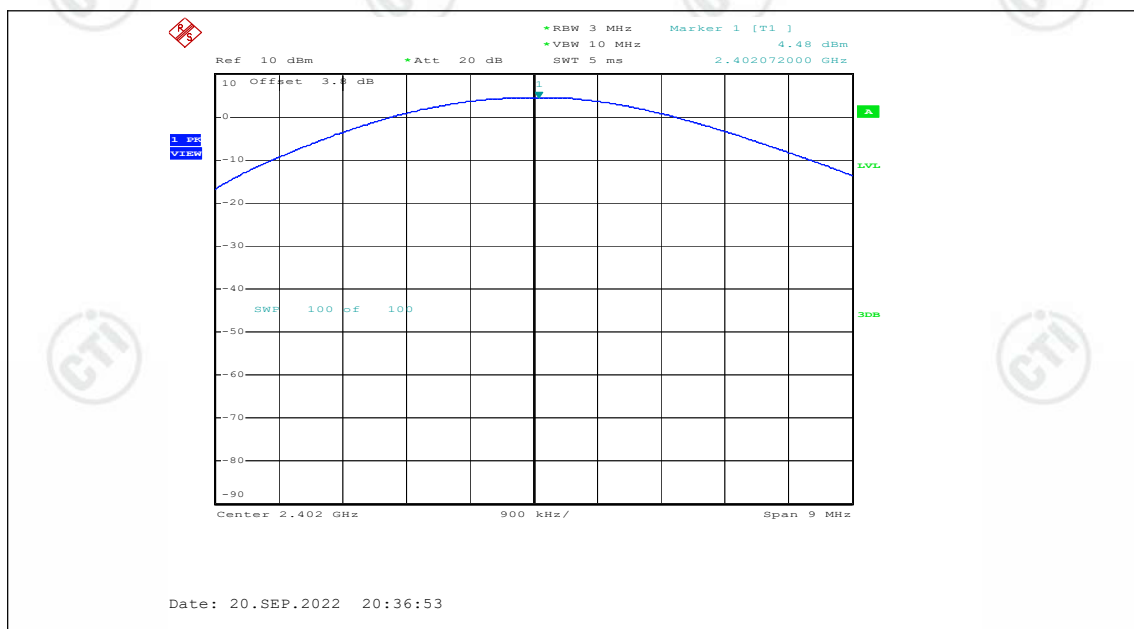


Appendix C: Maximum conducted output power

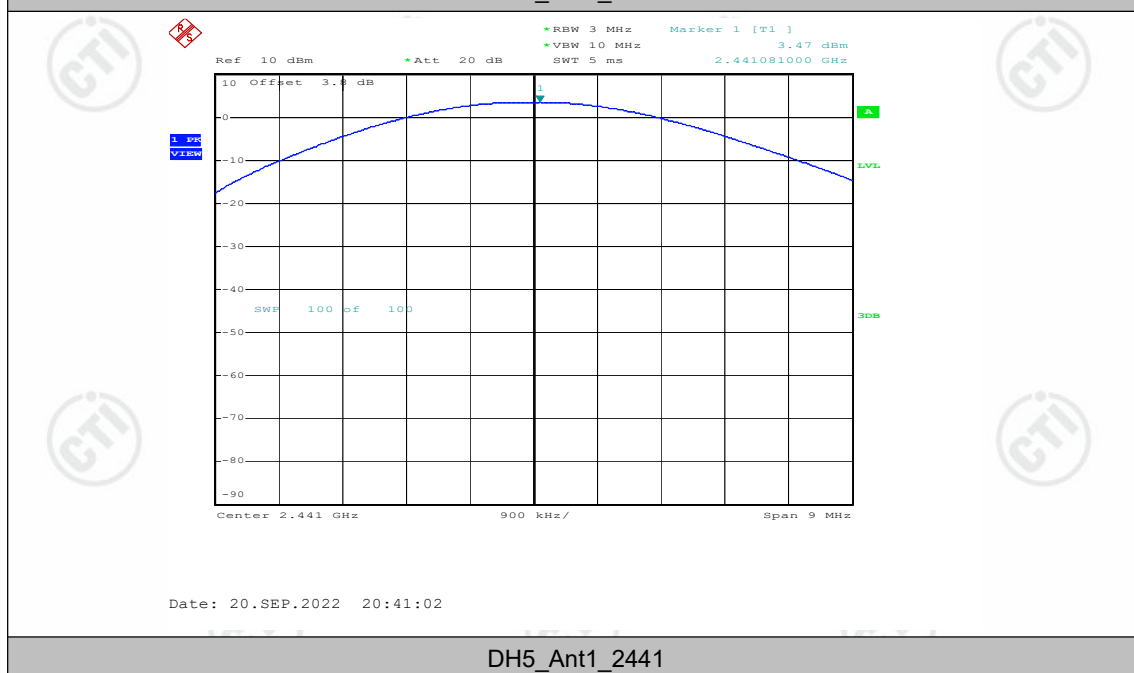
Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	4.48	≤20.97	PASS
		2441	3.47	≤20.97	PASS
		2480	3.80	≤20.97	PASS
2DH5	Ant1	2402	4.02	≤20.97	PASS
		2441	2.71	≤20.97	PASS
		2480	2.98	≤20.97	PASS
3DH5	Ant1	2402	4.23	≤20.97	PASS
		2441	2.86	≤20.97	PASS
		2480	3.10	≤20.97	PASS

Test Graphs



DH5_Ant1_2402



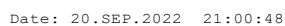
DH5_Ant1_2441



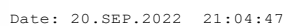
2DH5_Ant1_2441



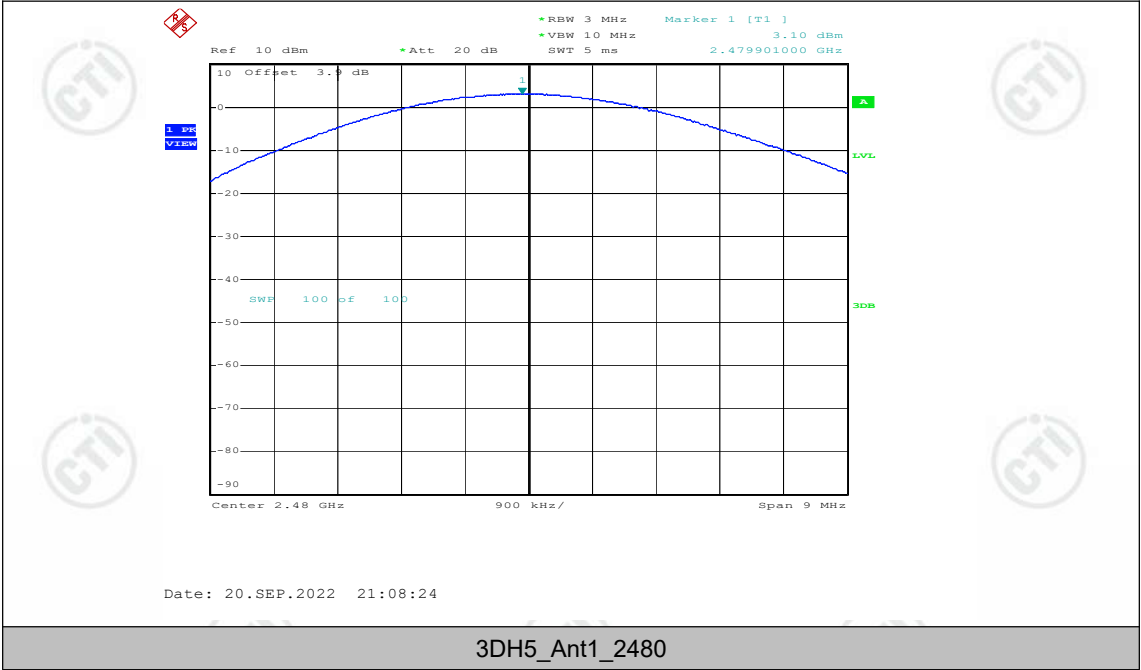
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441

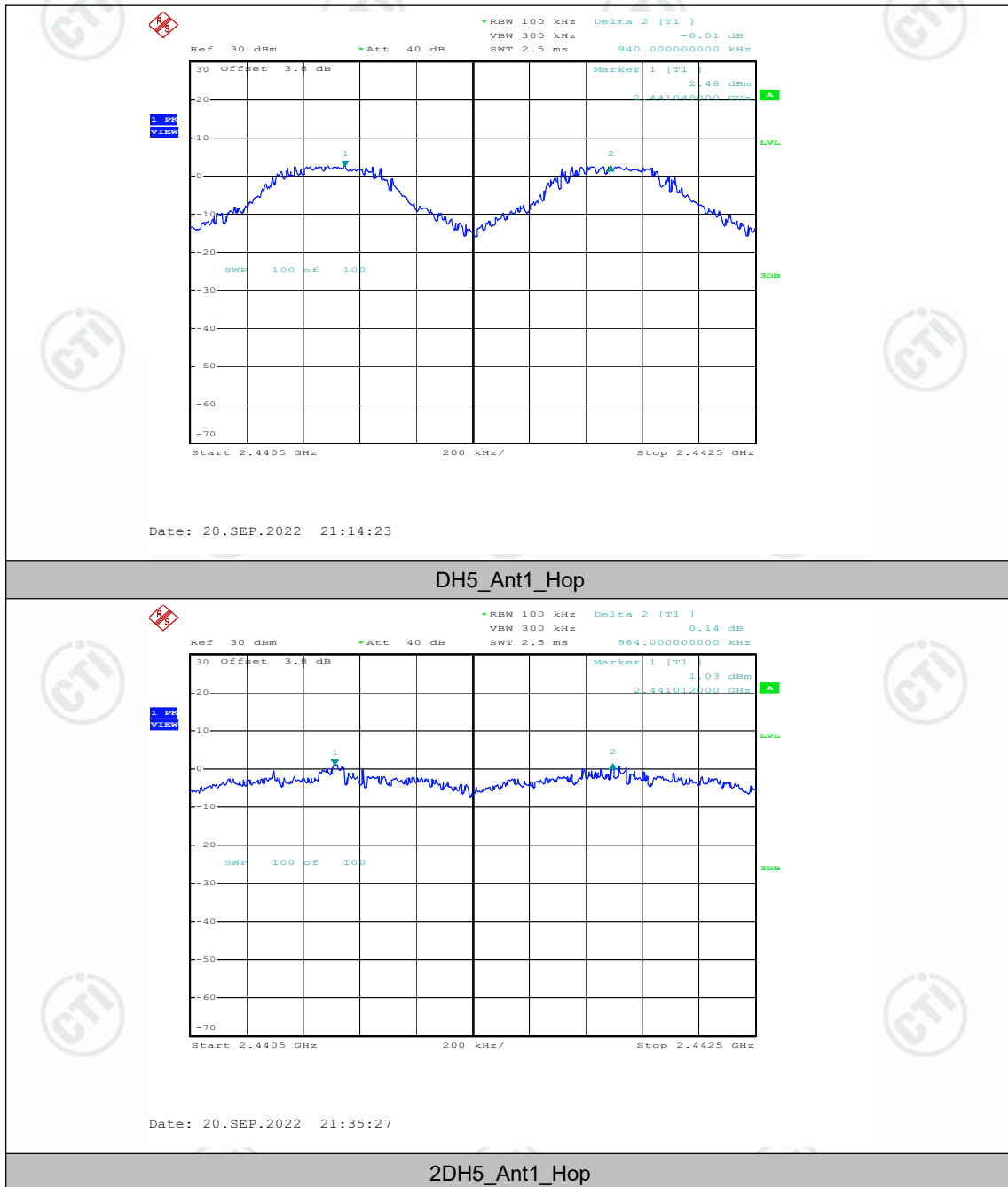


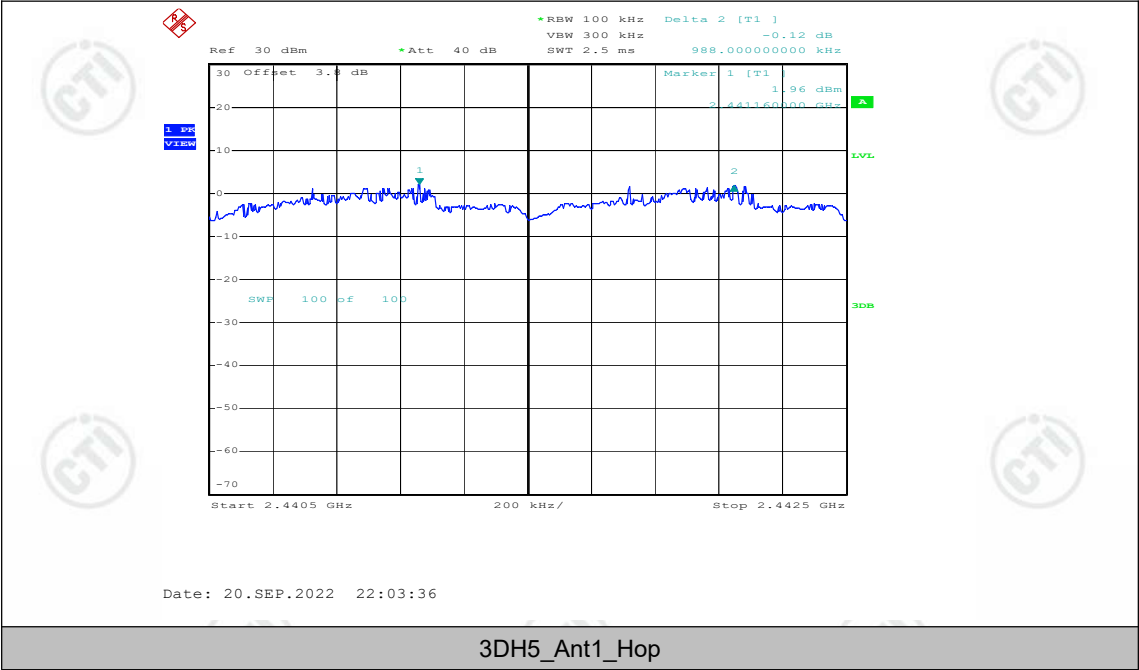
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.94	≥0.680	PASS
2DH5	Ant1	Hop	0.984	≥0.880	PASS
3DH5	Ant1	Hop	0.988	≥0.880	PASS

Test Graphs



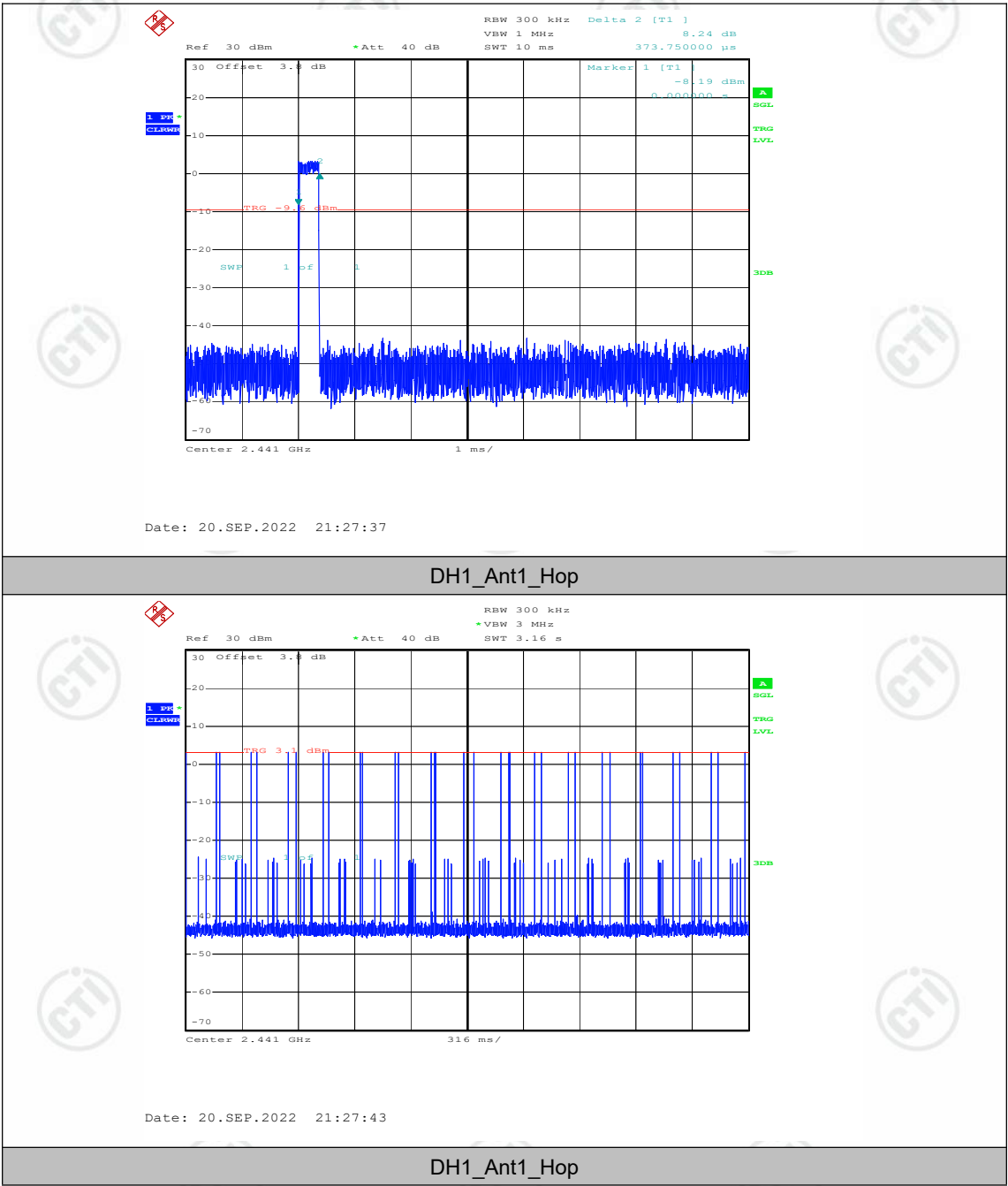


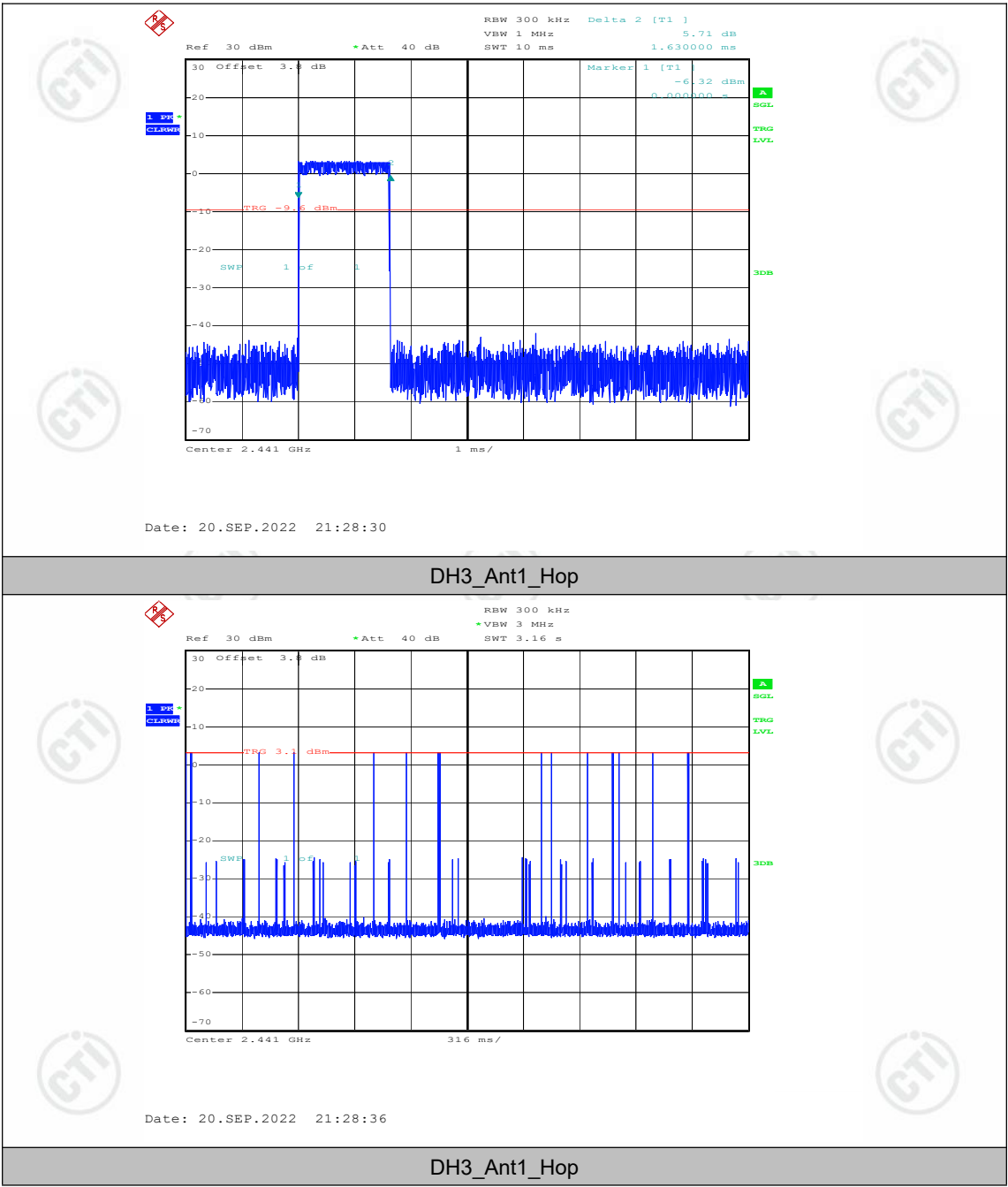
Appendix E: Time of occupancy

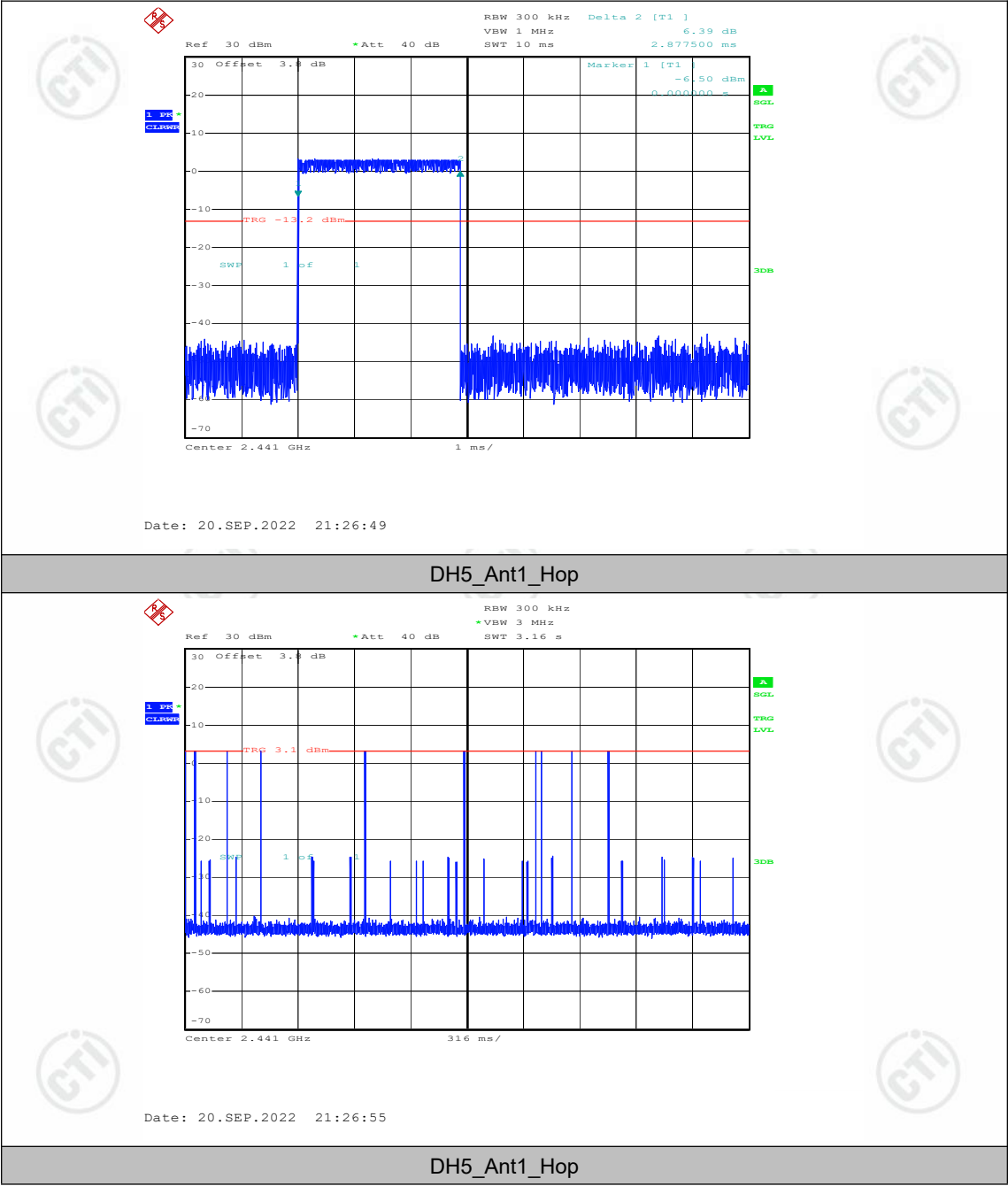
Test Result

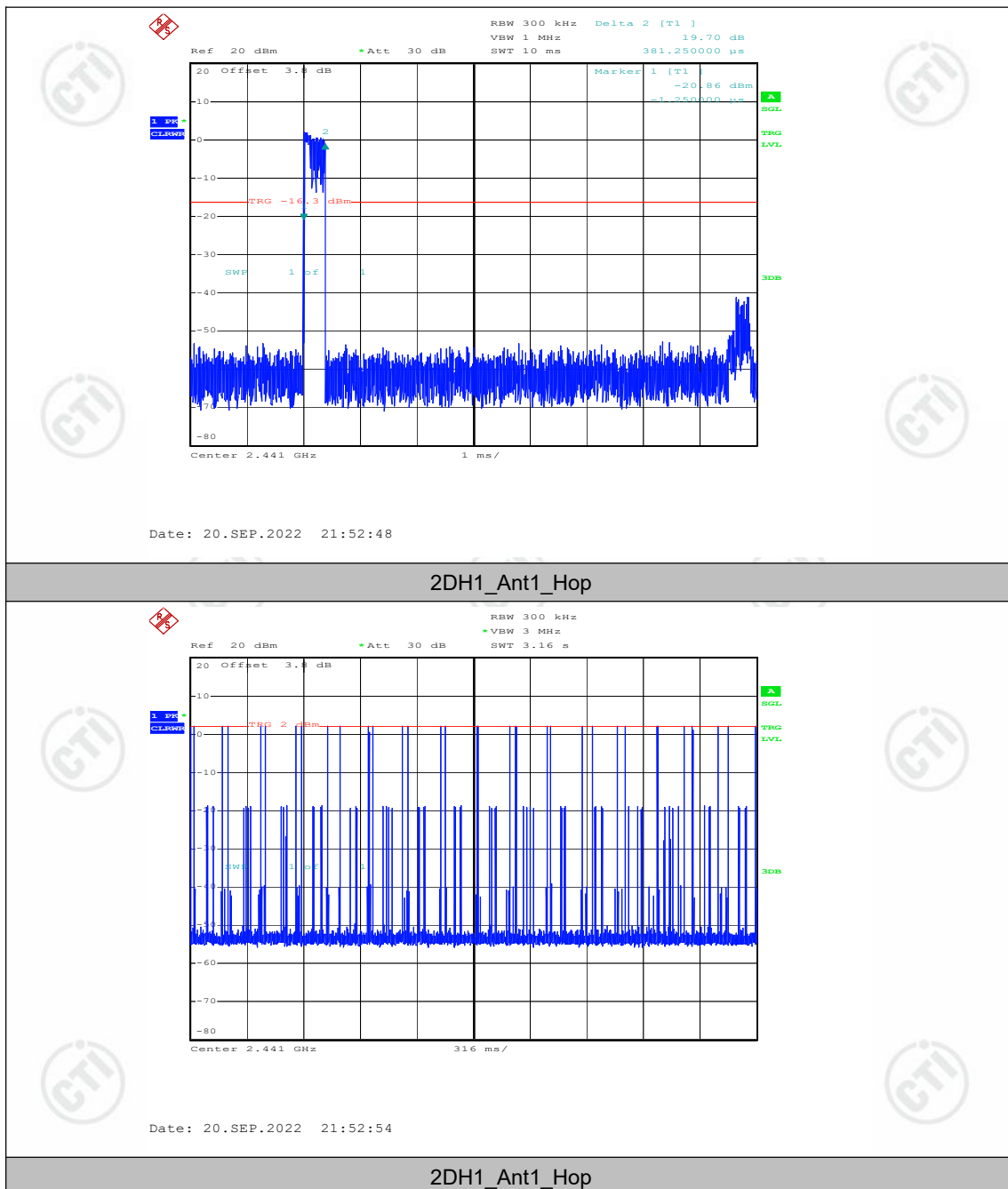
Test Mode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	320	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.63	150	0.245	≤0.4	PASS
DH5	Ant1	Hop	2.88	100	0.288	≤0.4	PASS
2DH1	Ant1	Hop	0.38	330	0.126	≤0.4	PASS
2DH3	Ant1	Hop	1.14	160	0.182	≤0.4	PASS
2DH5	Ant1	Hop	2.88	120	0.346	≤0.4	PASS
3DH1	Ant1	Hop	0.38	330	0.126	≤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

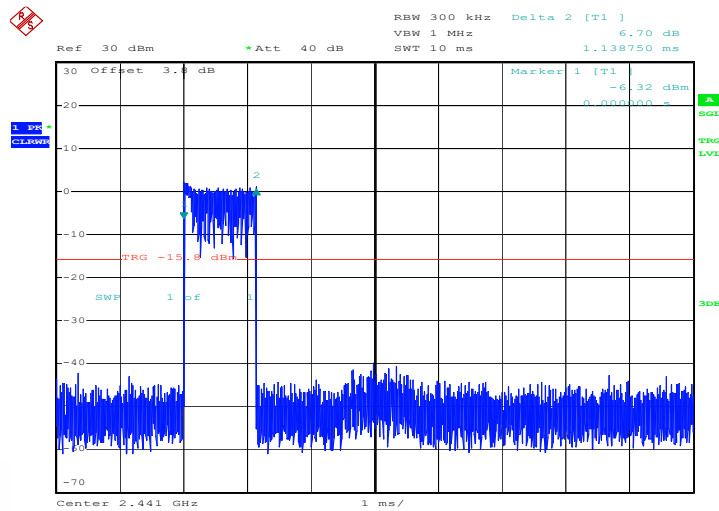
Test Graphs





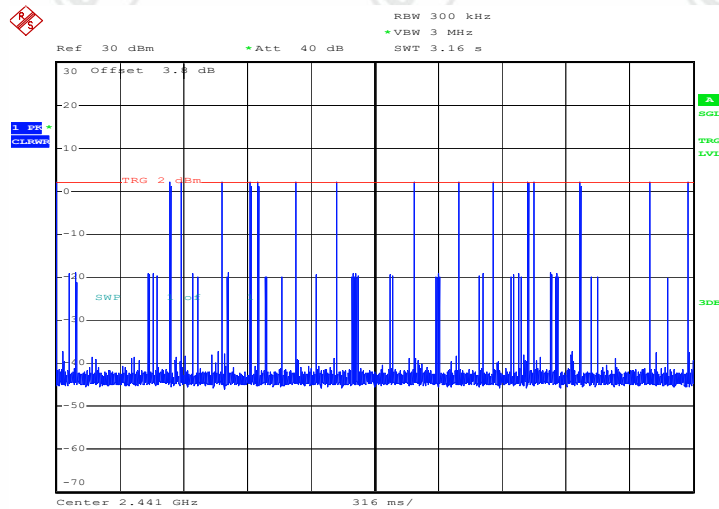






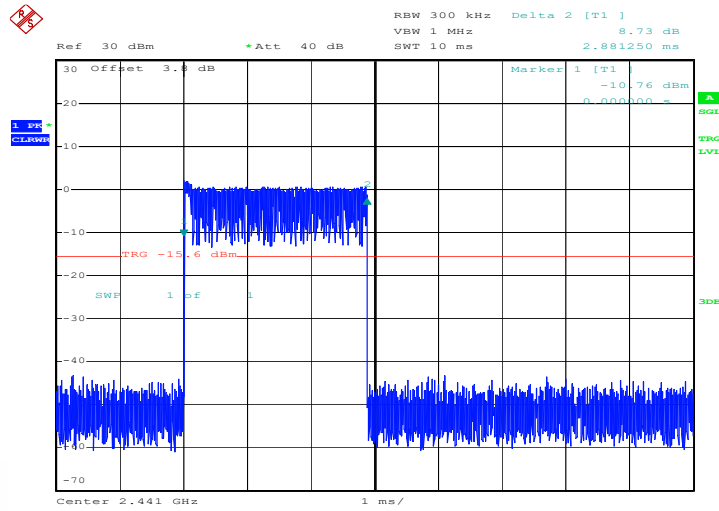
Date: 20.SEP.2022 21:53:40

2DH3_Ant1_Hop



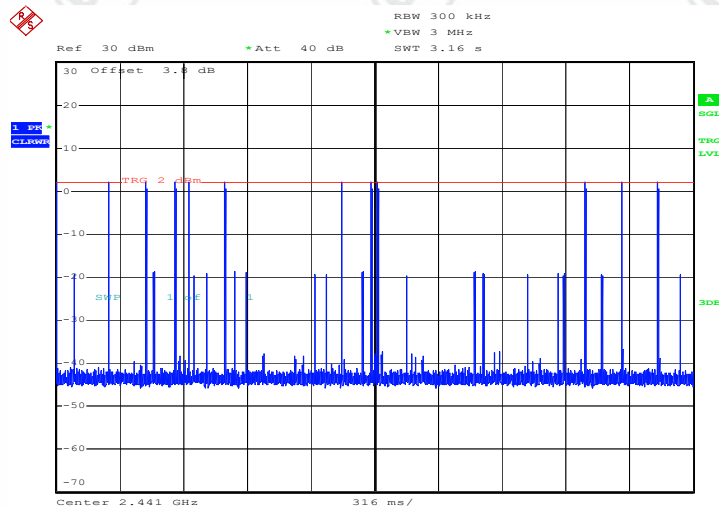
Date: 20.SEP.2022 21:53:46

2DH3_Ant1_Hop



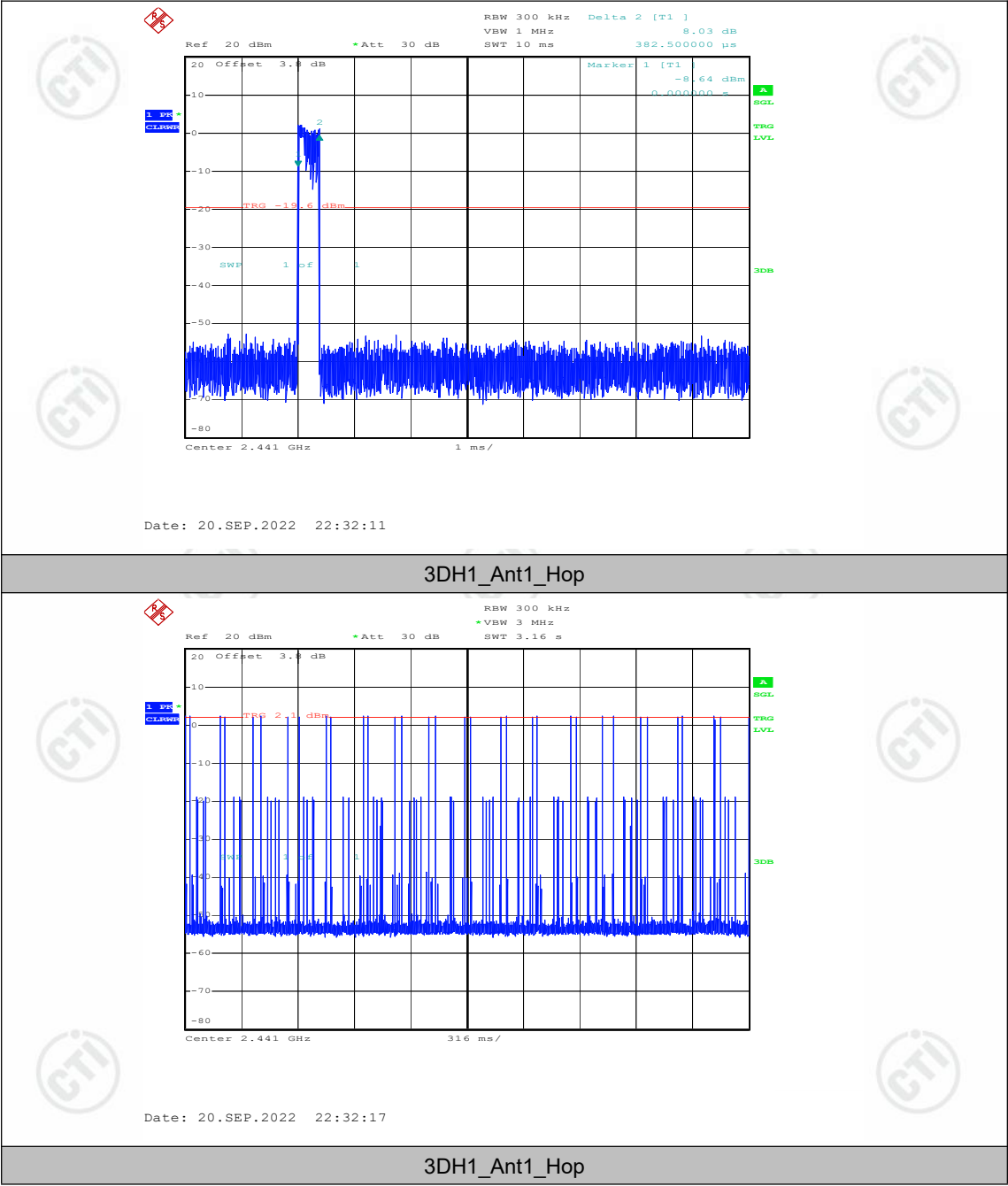
Date: 20.SEP.2022 21:54:37

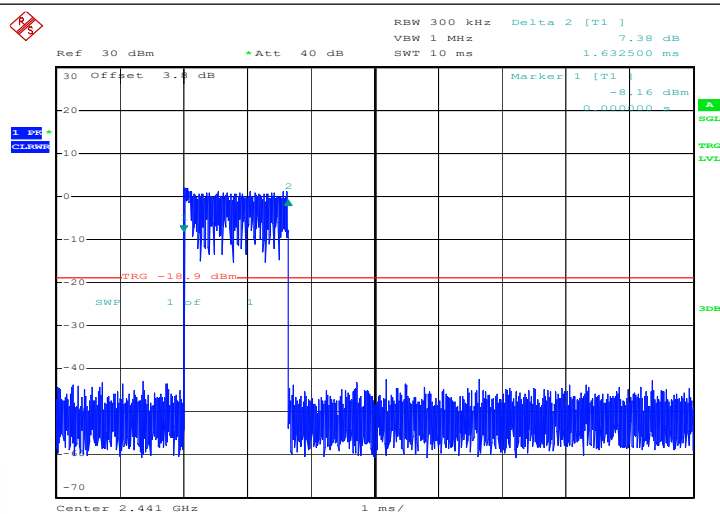
2DH5_Ant1_Hop



Date: 20.SEP.2022 21:54:43

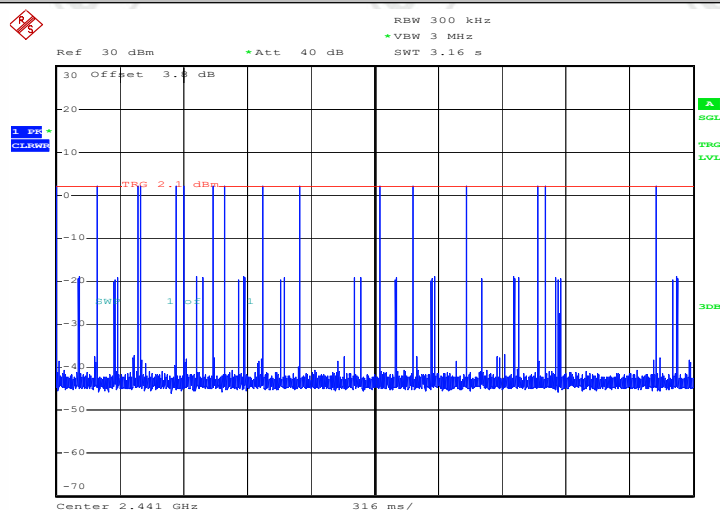
2DH5_Ant1_Hop





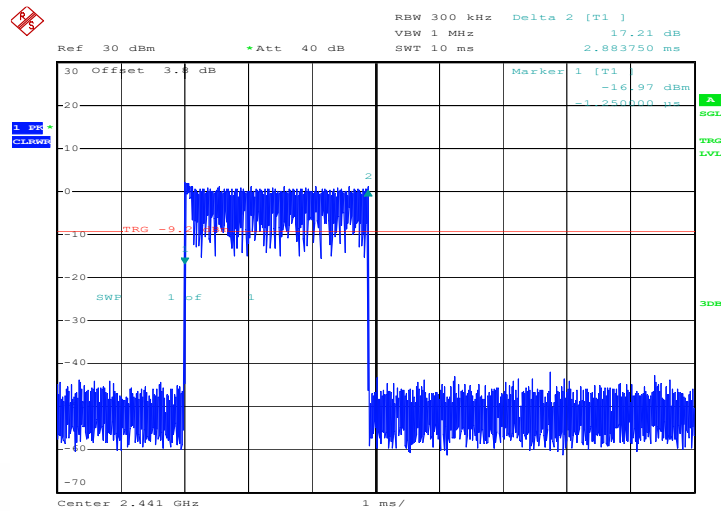
Date: 20.SEP.2022 22:33:28

3DH3_Ant1_Hop



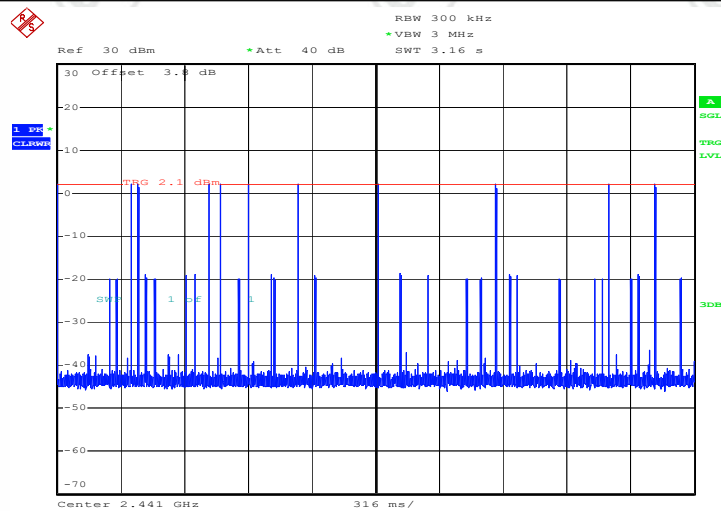
Date: 20.SEP.2022 22:33:34

3DH3_Ant1_Hop



Date: 20.SEP.2022 22:35:35

3DH5_Ant1_Hop



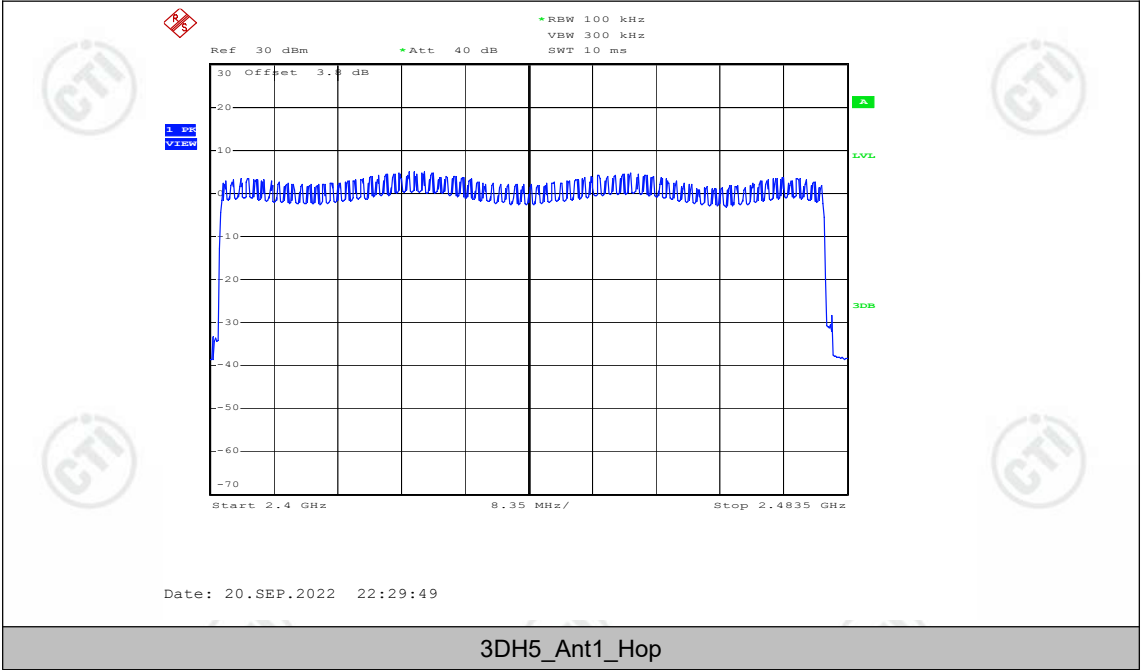
Date: 20.SEP.2022 22:35:41

3DH5_Ant1_Hop

Appendix F: Number of hopping channels

Test Result

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

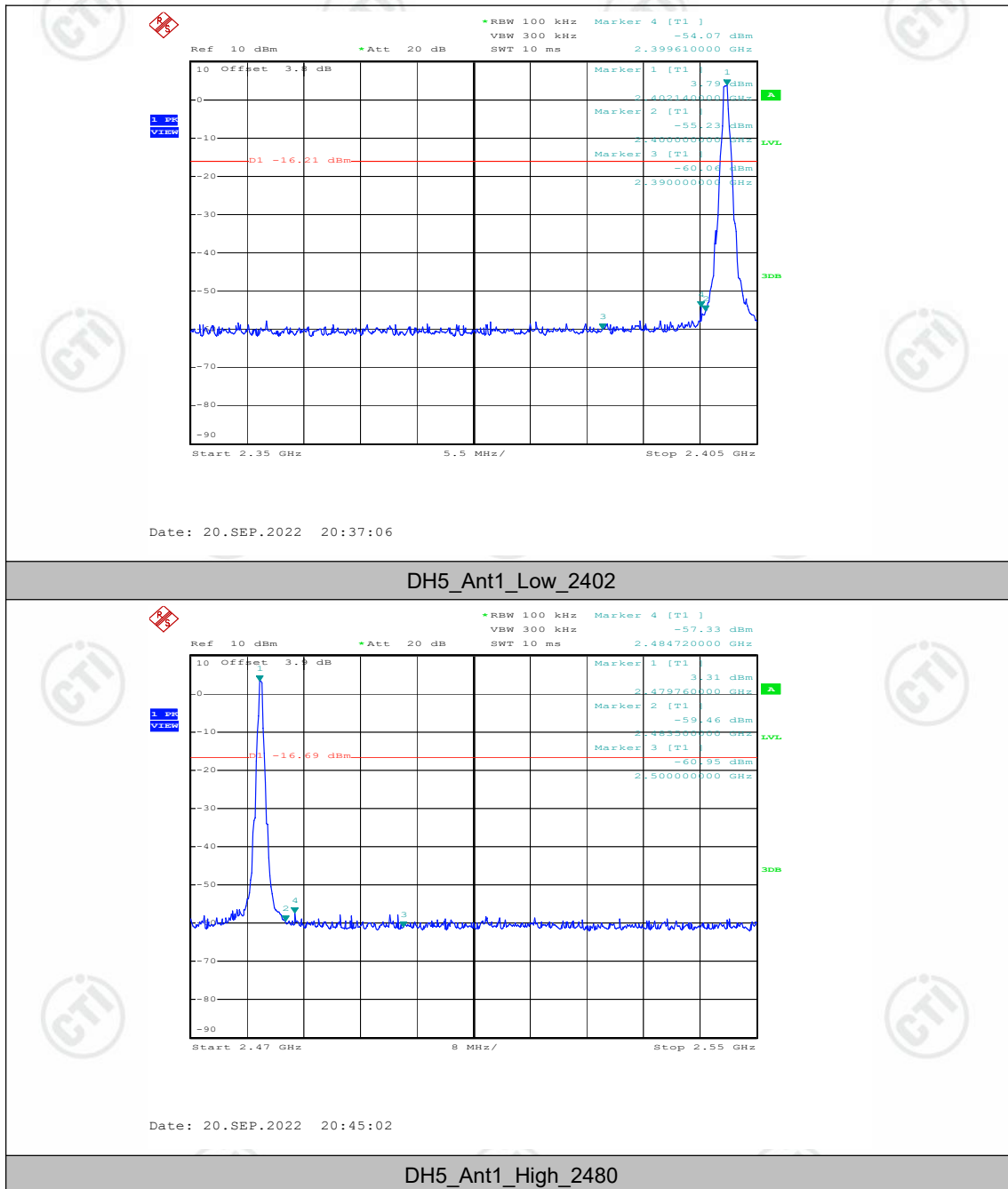


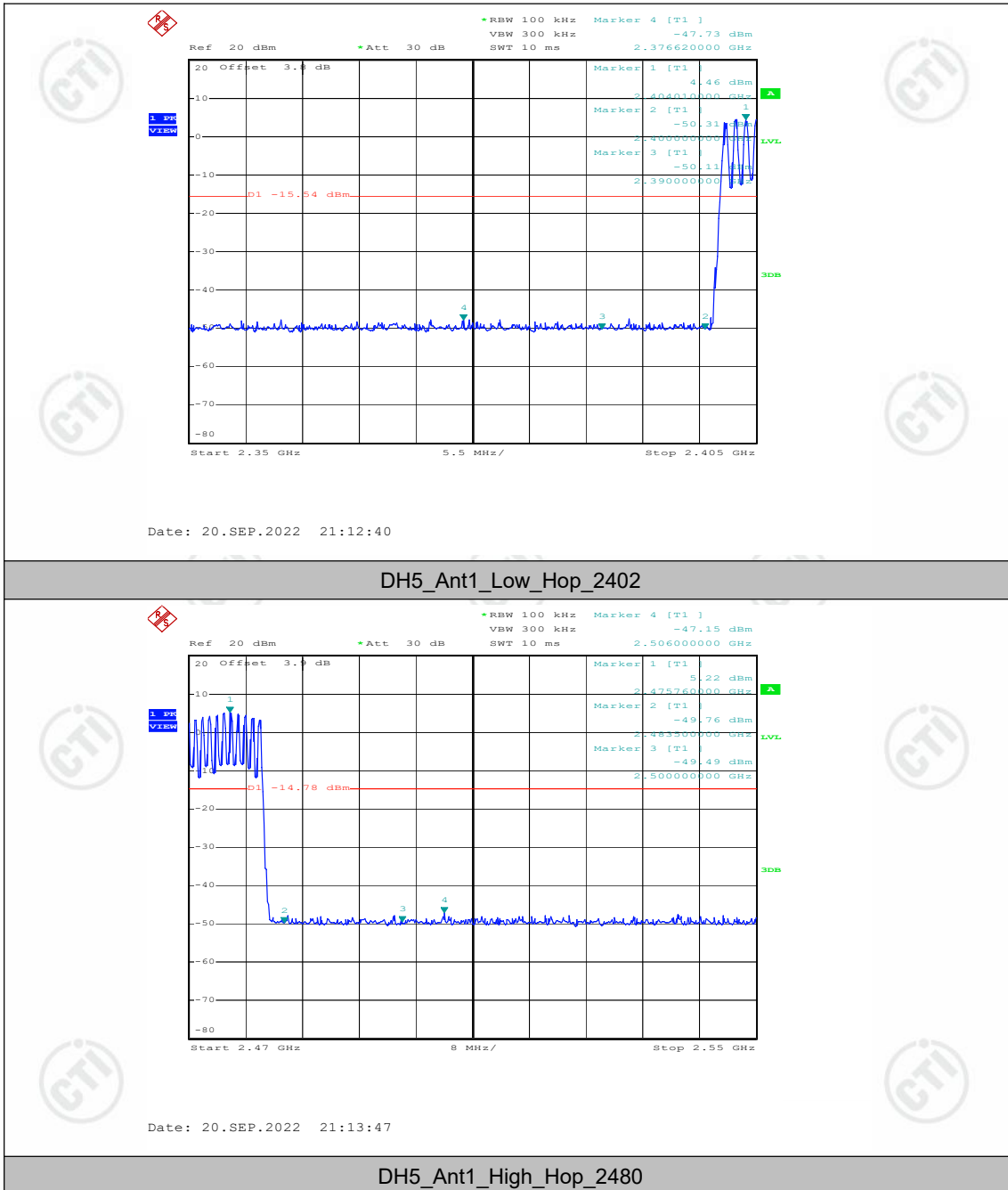
Appendix G: Band edge measurements

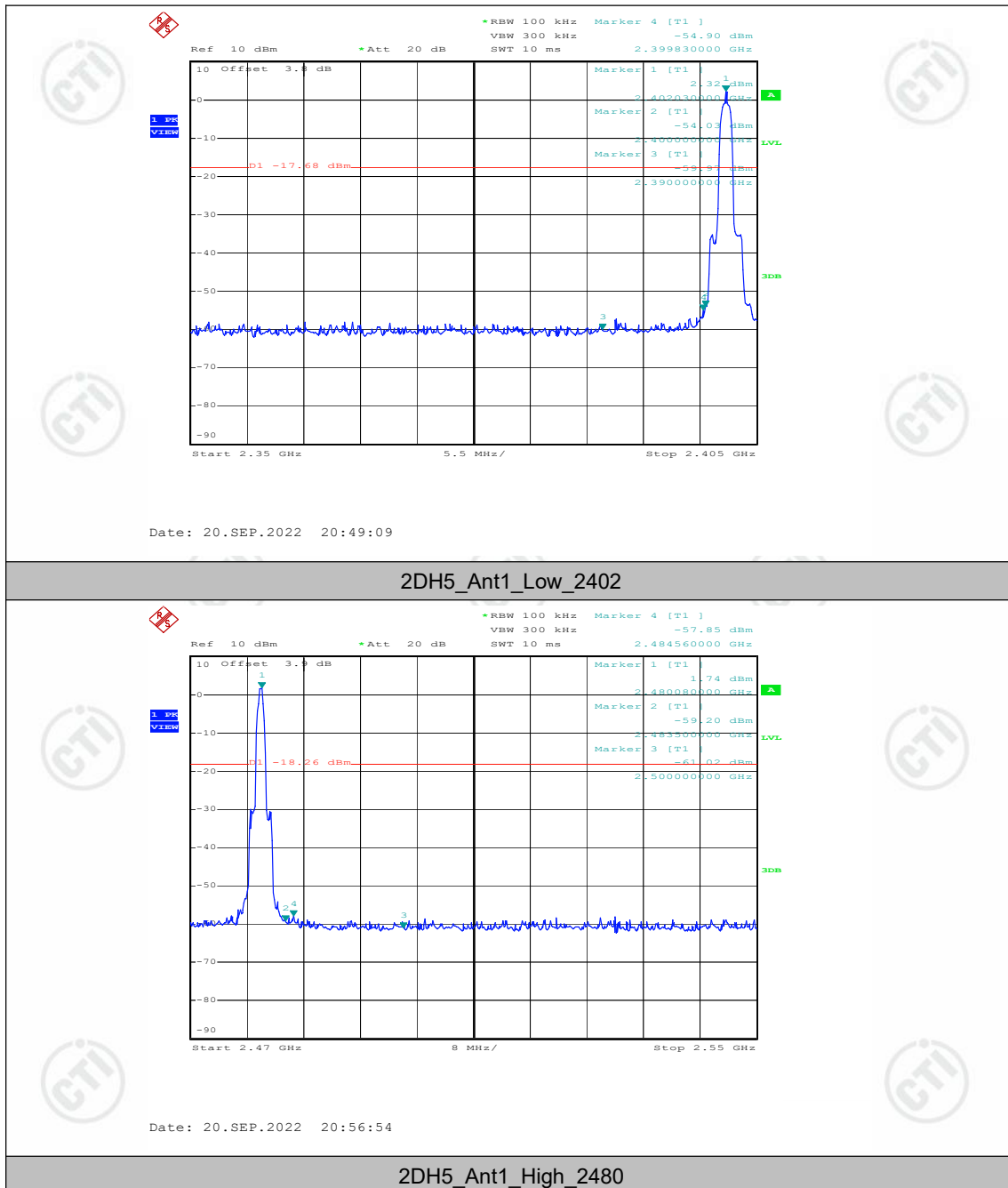
Test Result

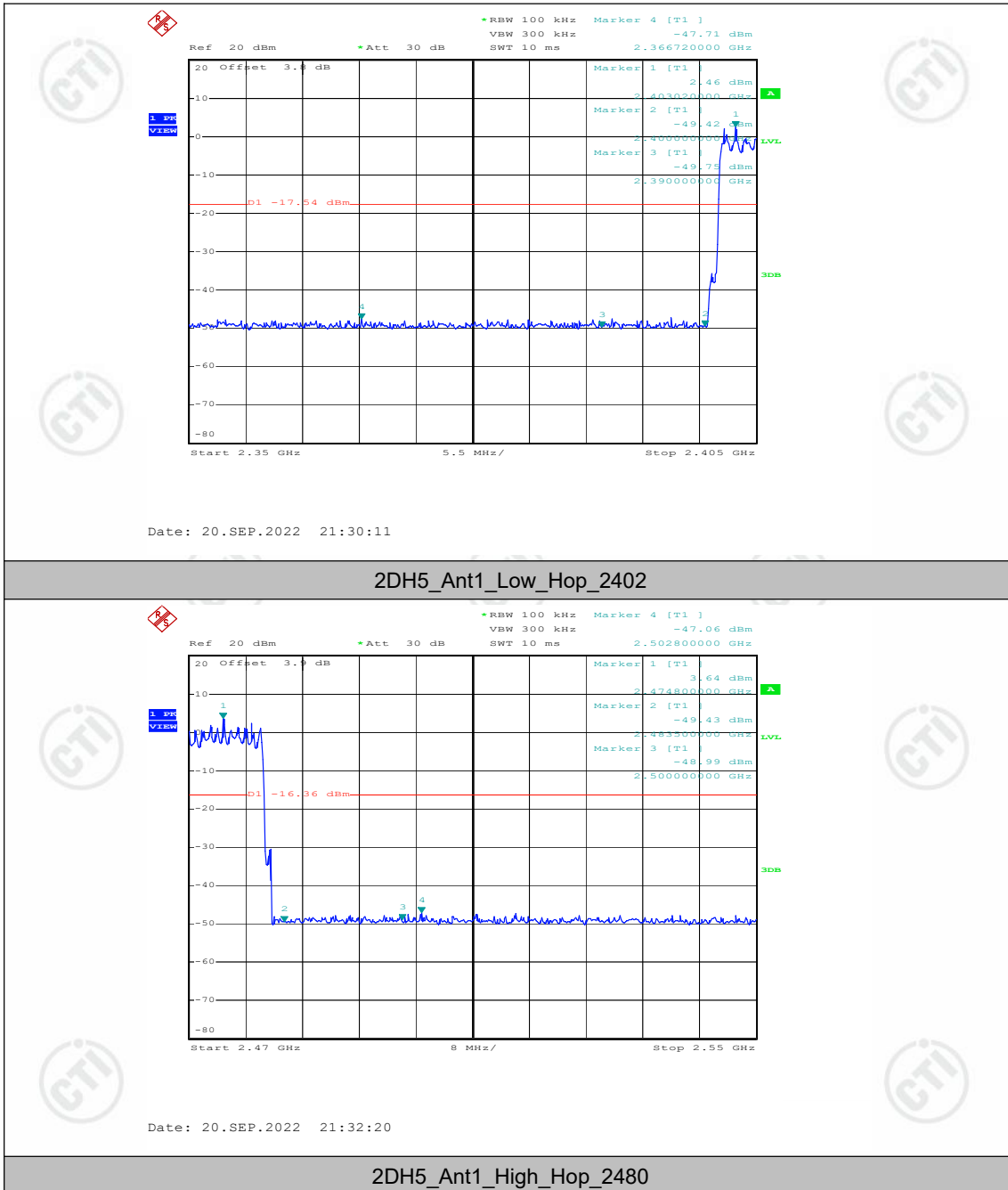
Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	3.79	-54.07	≤-16.21	PASS
		High	2480	3.31	-57.33	≤-16.69	PASS
		Low	Hop_2402	4.46	-47.73	≤-15.54	PASS
		High	Hop_2480	5.22	-47.15	≤-14.78	PASS
2DH5	Ant1	Low	2402	2.32	-54.9	≤-17.68	PASS
		High	2480	1.74	-57.85	≤-18.26	PASS
		Low	Hop_2402	2.46	-47.71	≤-17.54	PASS
		High	Hop_2480	3.64	-47.06	≤-16.36	PASS
3DH5	Ant1	Low	2402	2.93	-54.54	≤-17.07	PASS
		High	2480	2.12	-57.86	≤-17.88	PASS
		Low	Hop_2402	3.15	-46.6	≤-16.85	PASS
		High	Hop_2480	3.48	-46.78	≤-16.52	PASS

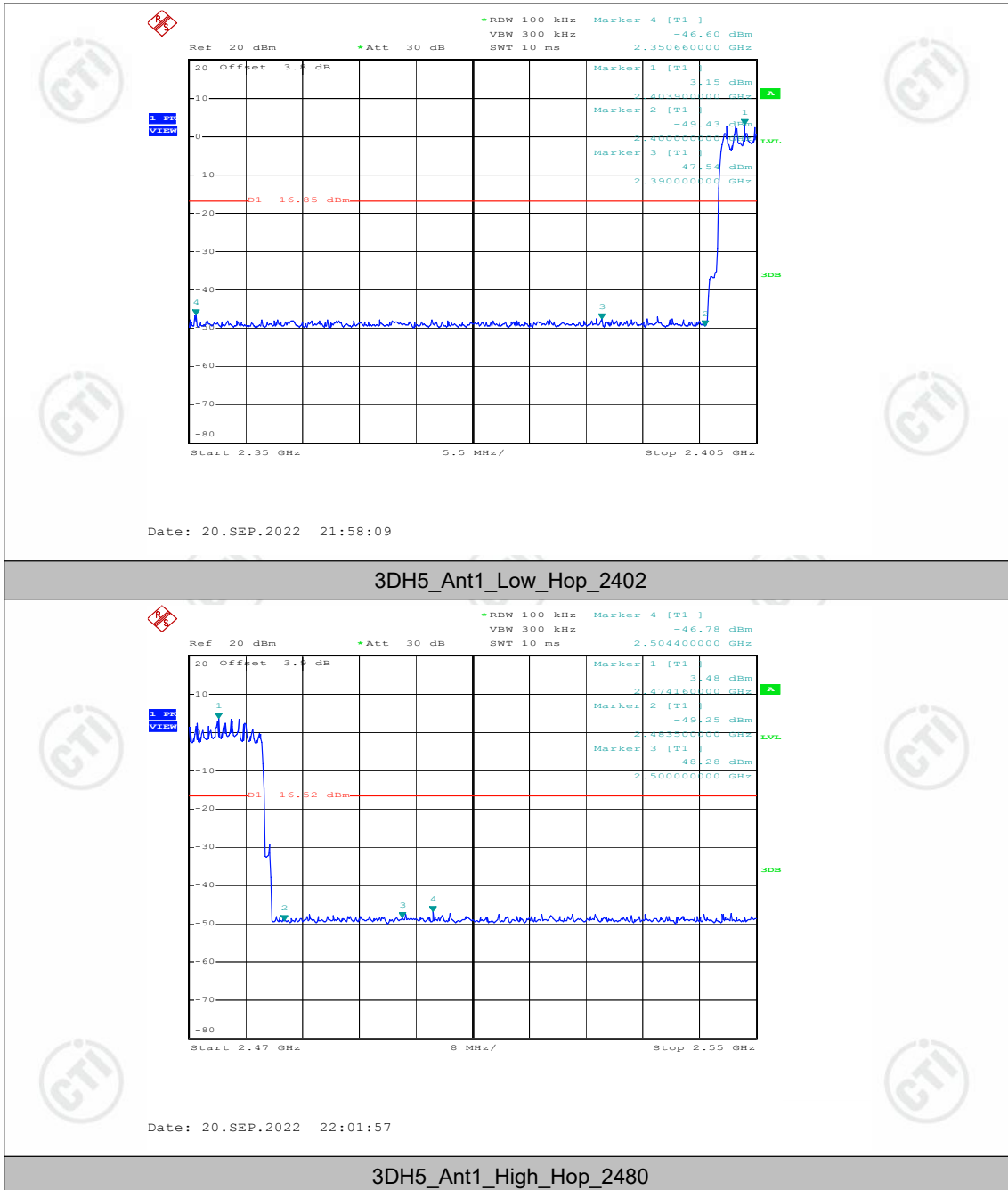
Test Graphs







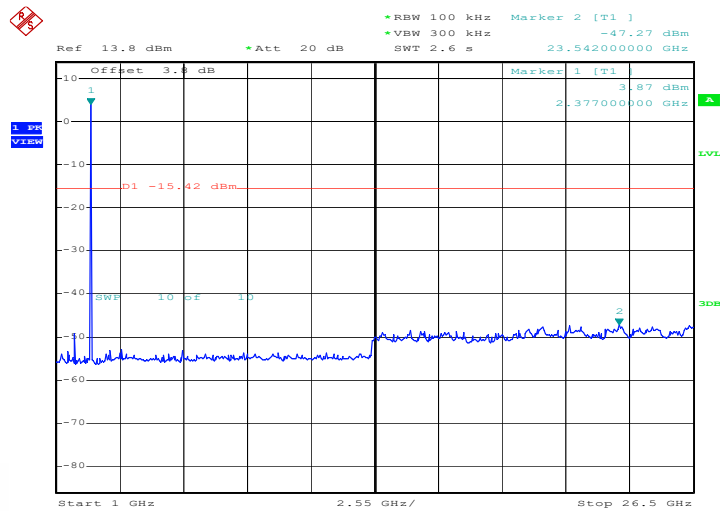




Appendix H: Conducted Spurious Emission

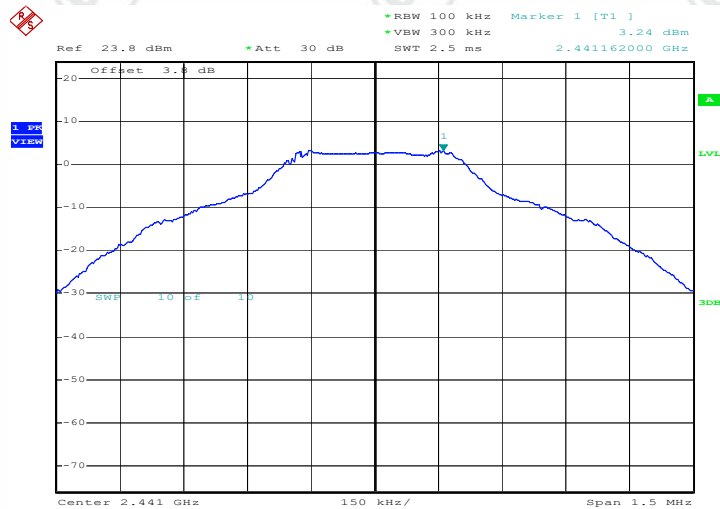
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	4.58	4.58	---	PASS
			30~1000	---	-54.32	≤-15.42	PASS
			1000~26500	---	-47.27	≤-15.42	PASS
		2441	Reference	3.24	3.24	---	PASS
			30~1000	---	-54.25	≤-16.76	PASS
			1000~26500	---	-46.66	≤-16.76	PASS
		2480	Reference	3.56	3.56	---	PASS
			30~1000	---	-54.36	≤-16.44	PASS
			1000~26500	---	-46.64	≤-16.44	PASS
2DH5	Ant1	2402	Reference	2.95	2.95	---	PASS
			30~1000	---	-54.27	≤-17.05	PASS
			1000~26500	---	-42.13	≤-17.05	PASS
		2441	Reference	1.73	1.73	---	PASS
			30~1000	---	-54.27	≤-18.27	PASS
			1000~26500	---	-46.9	≤-18.27	PASS
		2480	Reference	2.33	2.33	---	PASS
			30~1000	---	-54.12	≤-17.67	PASS
			1000~26500	---	-46.73	≤-17.67	PASS
3DH5	Ant1	2402	Reference	2.96	2.96	---	PASS
			30~1000	---	-53.13	≤-17.04	PASS
			1000~26500	---	-46.82	≤-17.04	PASS
		2441	Reference	2.08	2.08	---	PASS
			30~1000	---	-54.25	≤-17.92	PASS
			1000~26500	---	-47.05	≤-17.92	PASS
		2480	Reference	2.16	2.16	---	PASS
			30~1000	---	-52.84	≤-17.84	PASS
			1000~26500	---	-46.63	≤-17.84	PASS



Date: 20.SEP.2022 20:39:15

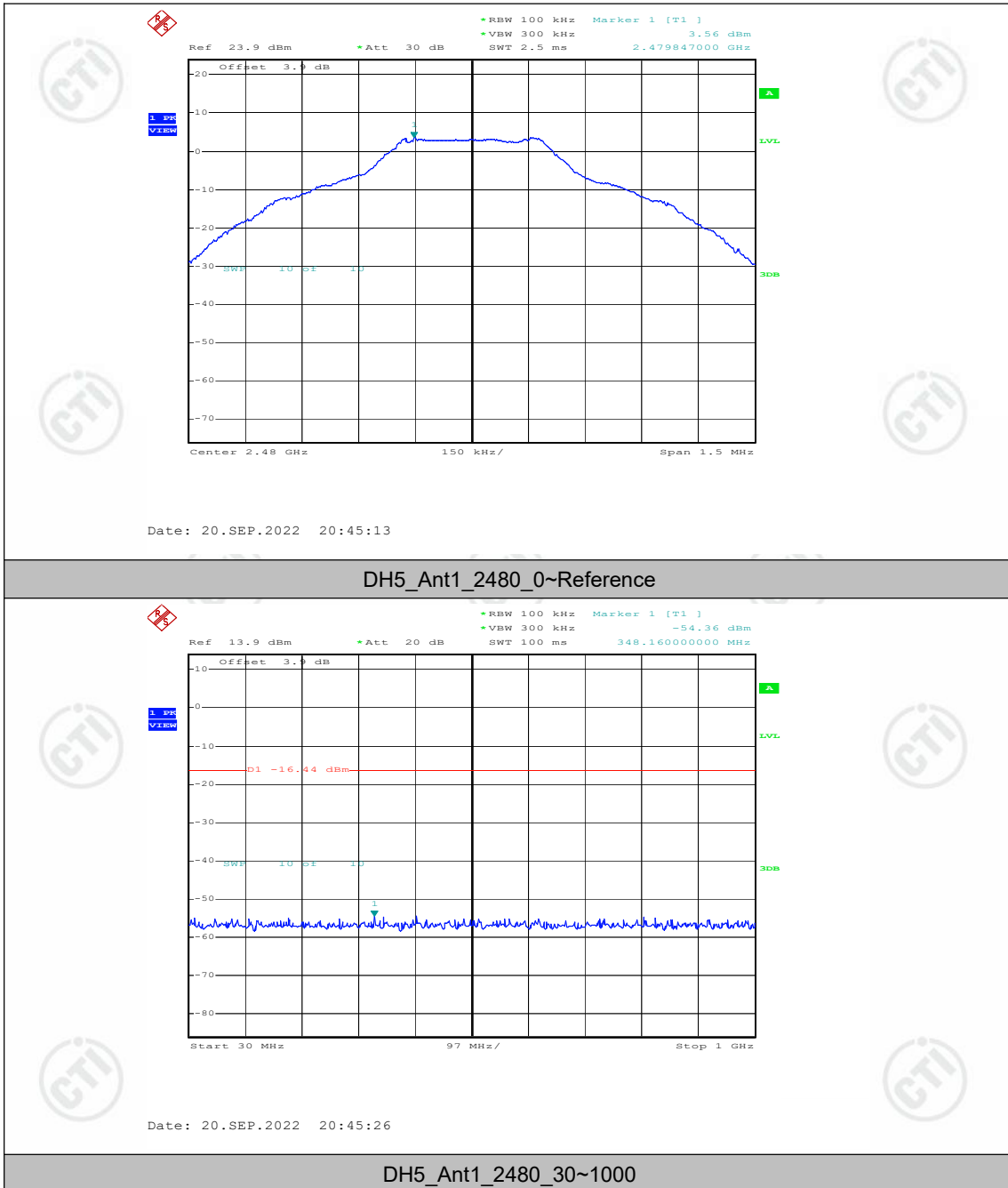
DH5_Ant1_2402_1000~26500

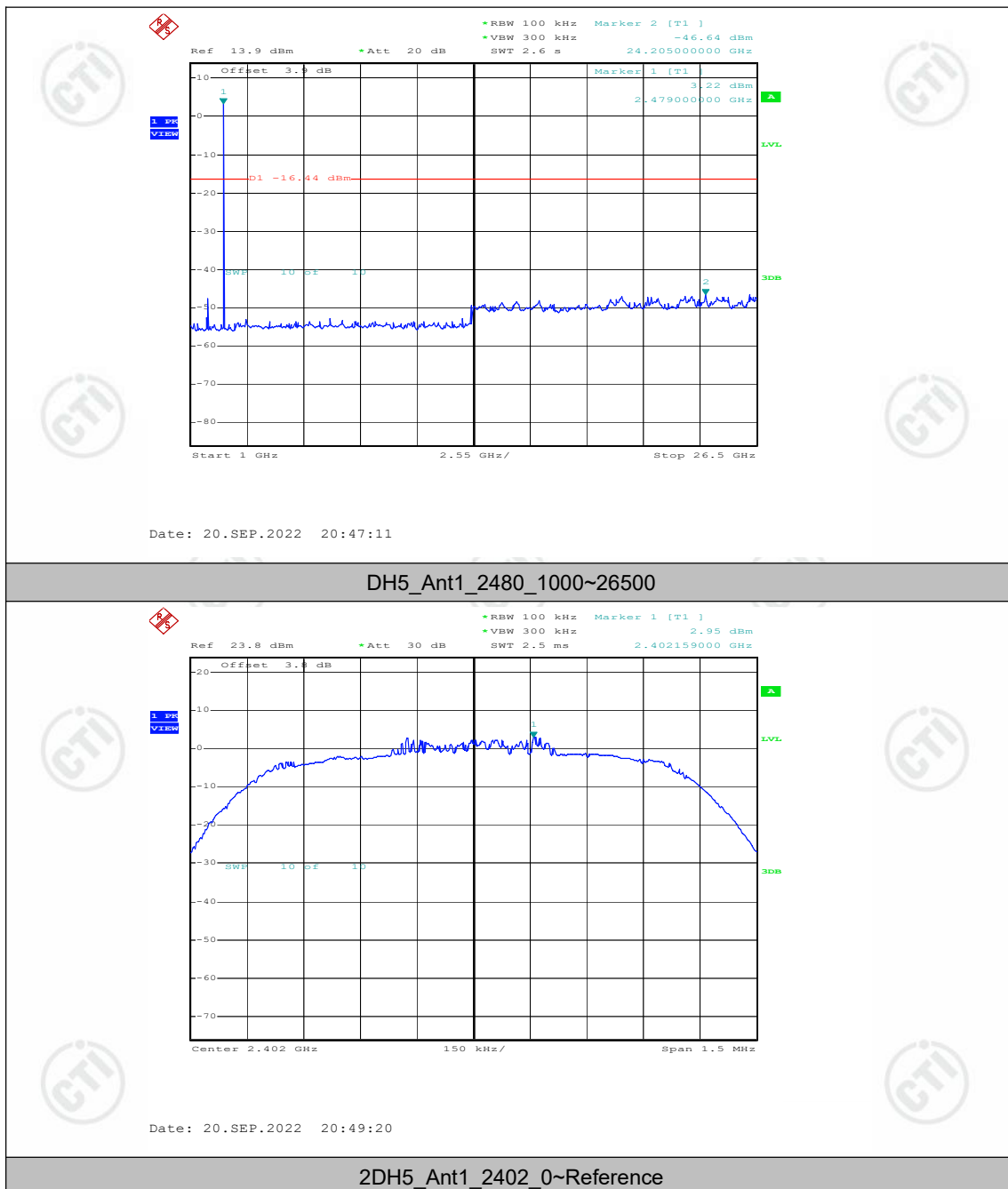


Date: 20.SEP.2022 20:41:12

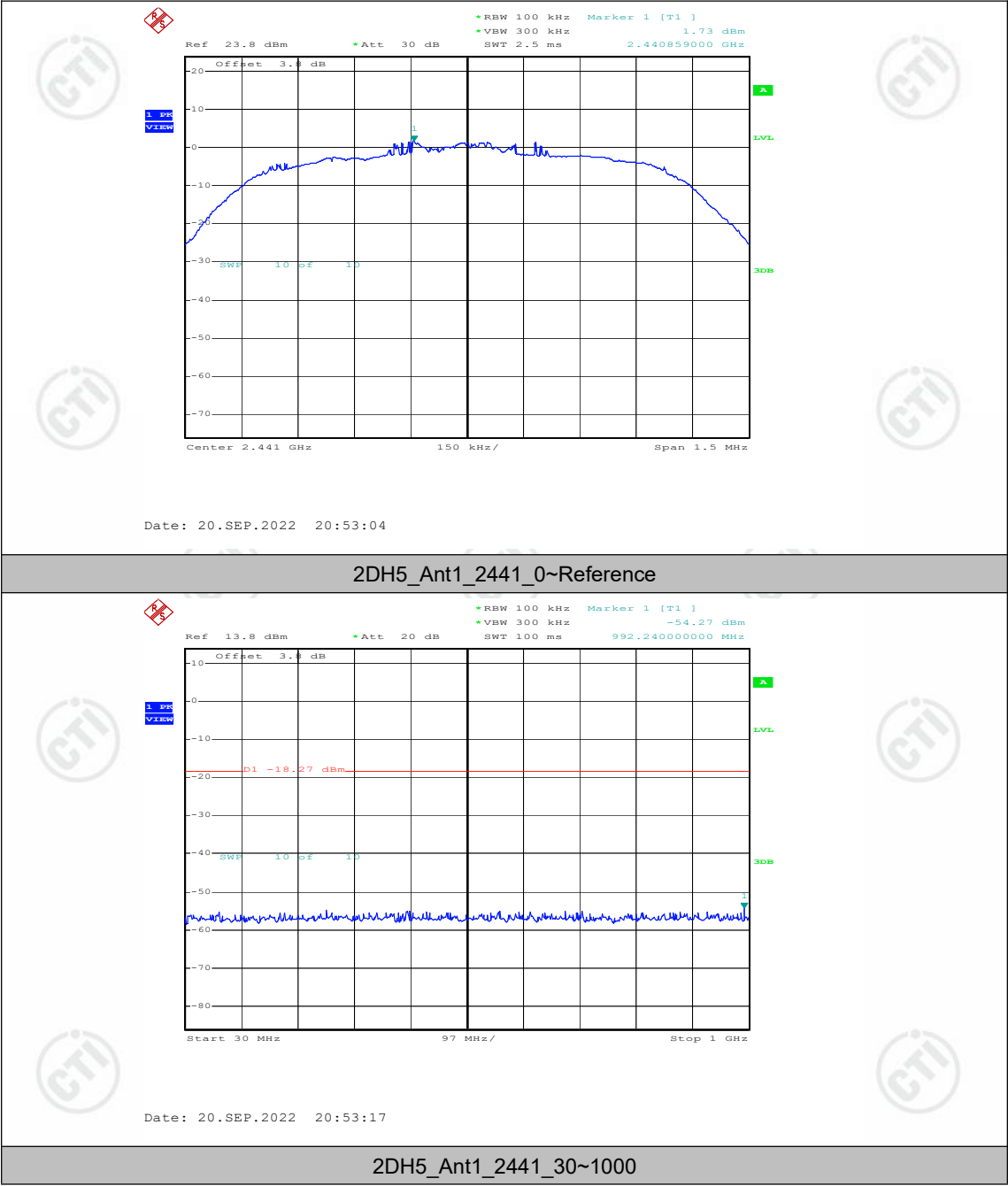
DH5_Ant1_2441_0~Reference

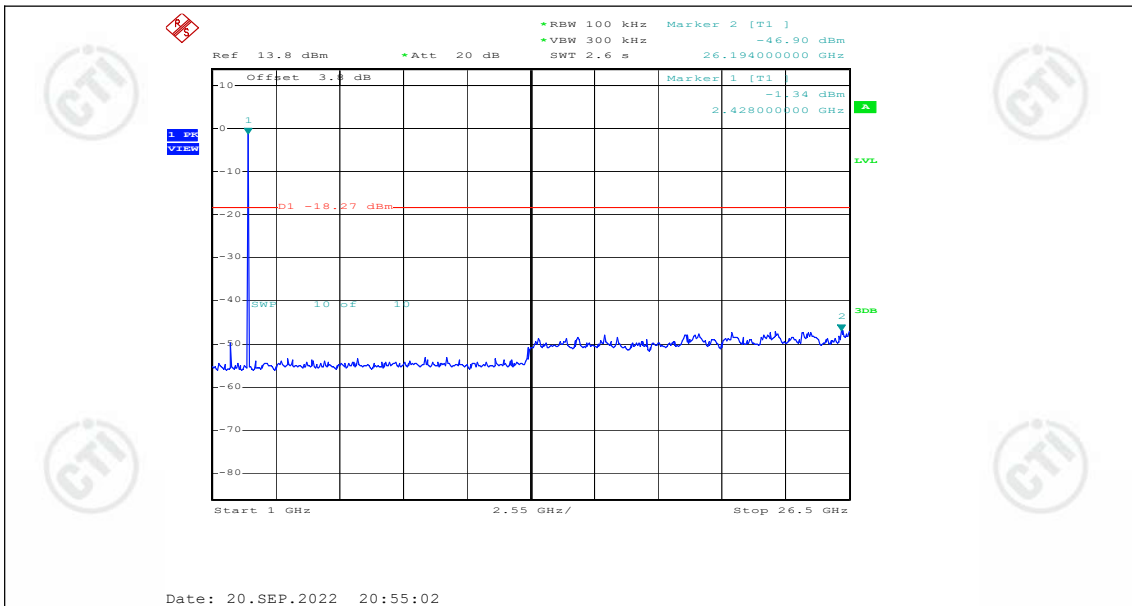




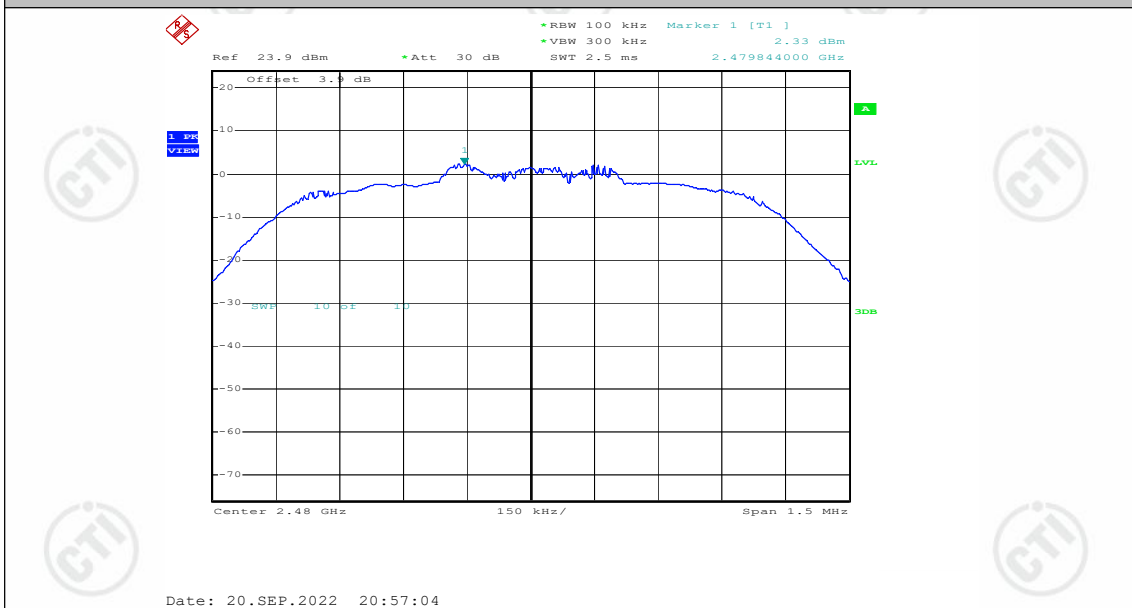




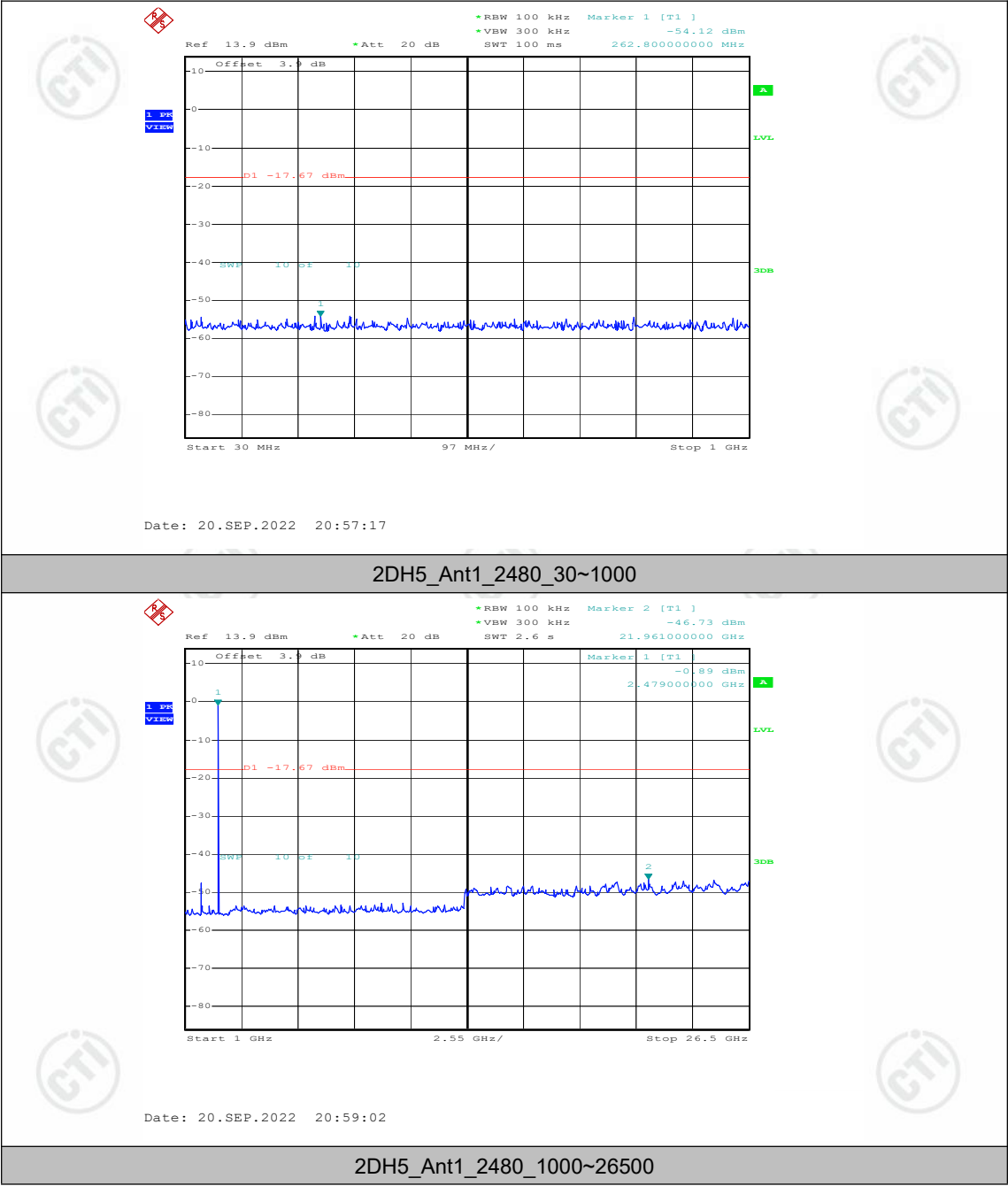


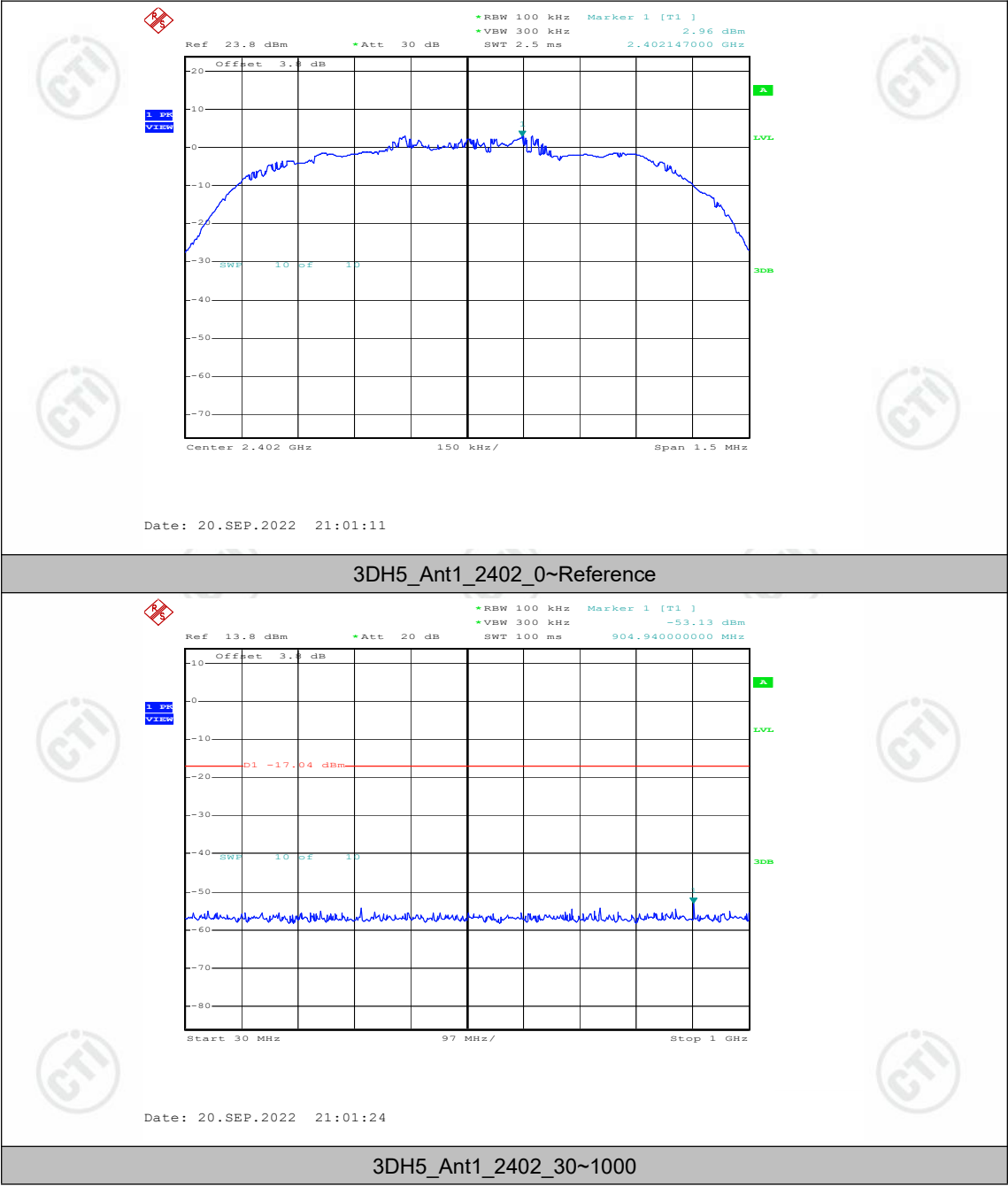


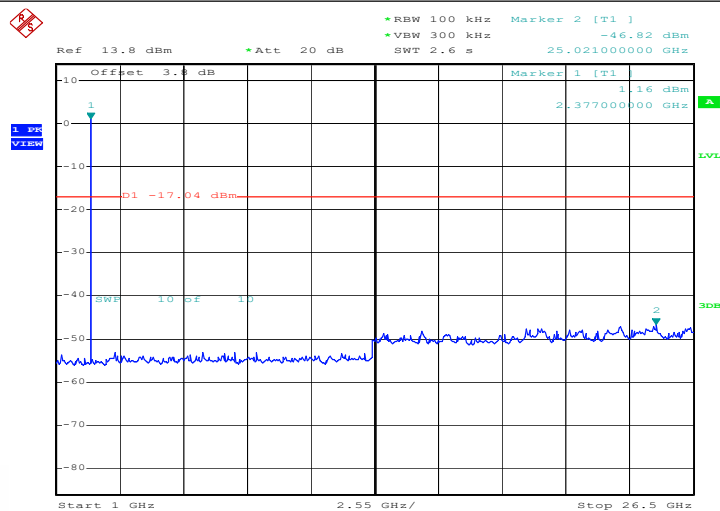
2DH5_Ant1_2441_1000~26500



2DH5_Ant1_2480_0~Reference

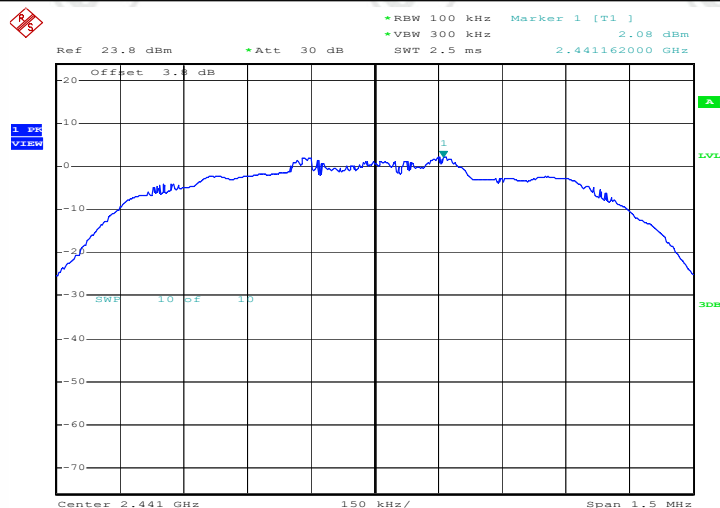






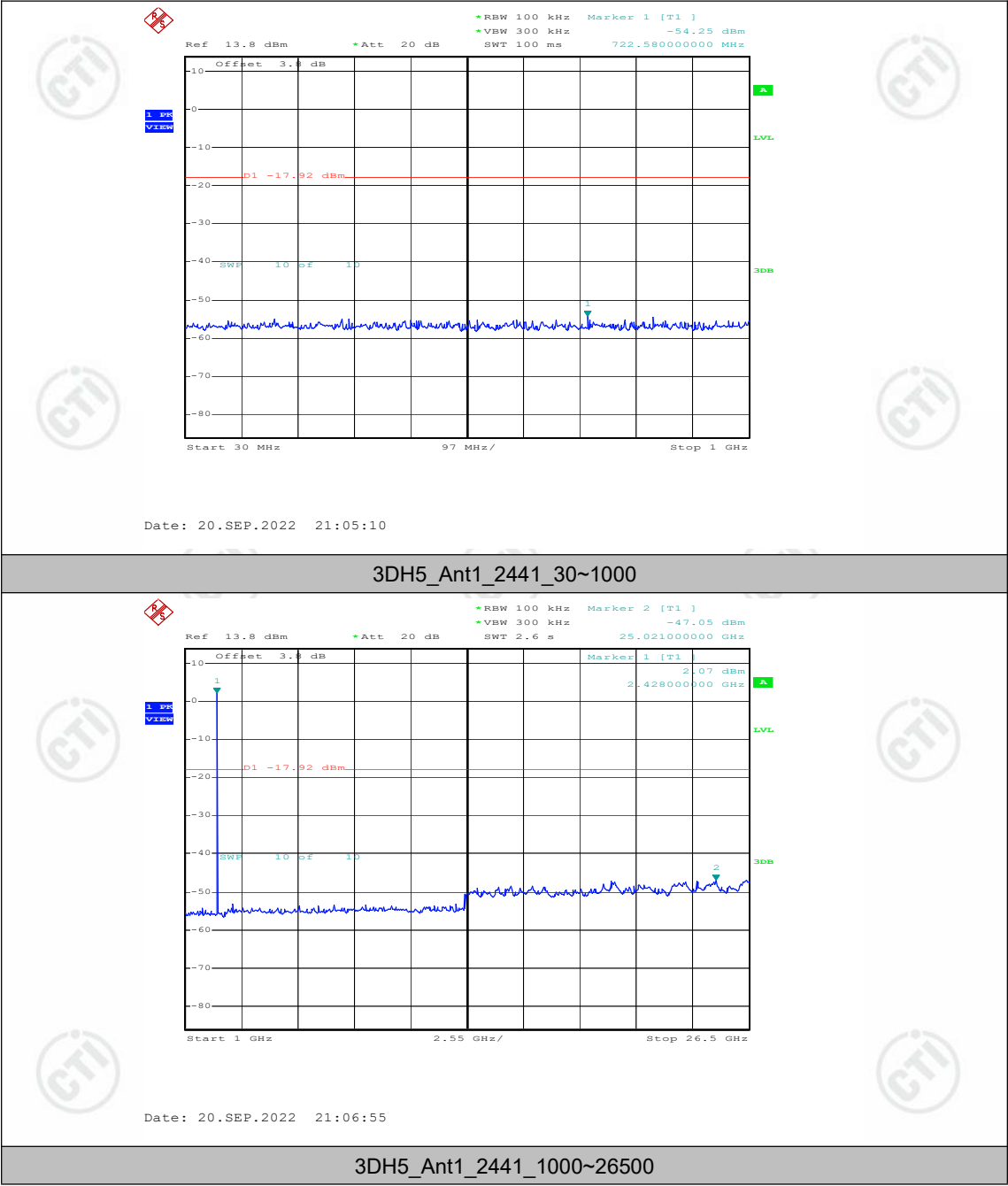
Date: 20.SEP.2022 21:03:09

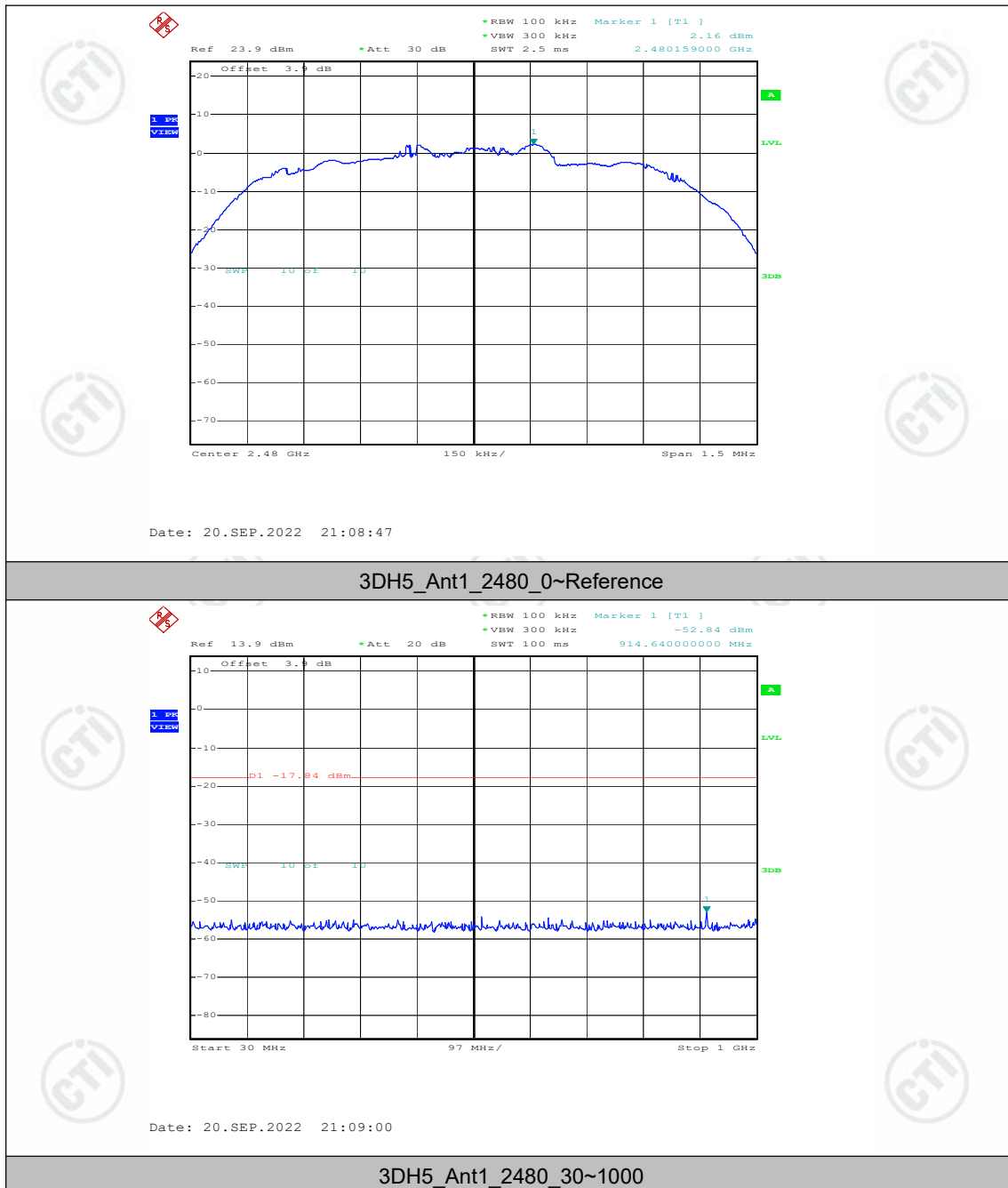
3DH5_Ant1_2402_1000~26500



Date: 20.SEP.2022 21:04:57

3DH5_Ant1_2441_0~Reference





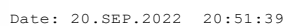


Appendix I: Duty Cycle

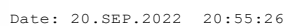
Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.78	76.19	1.18
		2441	2.88	3.78	76.19	1.18
		2480	2.88	3.78	76.19	1.18
2DH5	Ant1	2402	2.88	3.78	76.19	1.18
		2441	2.88	3.78	76.19	1.18
		2480	2.88	3.78	76.19	1.18
3DH5	Ant1	2402	2.88	3.78	76.19	1.18
		2441	2.88	3.78	76.19	1.18
		2480	2.88	3.78	76.19	1.18

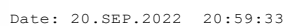




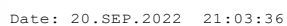
2DH5_Ant1_2441



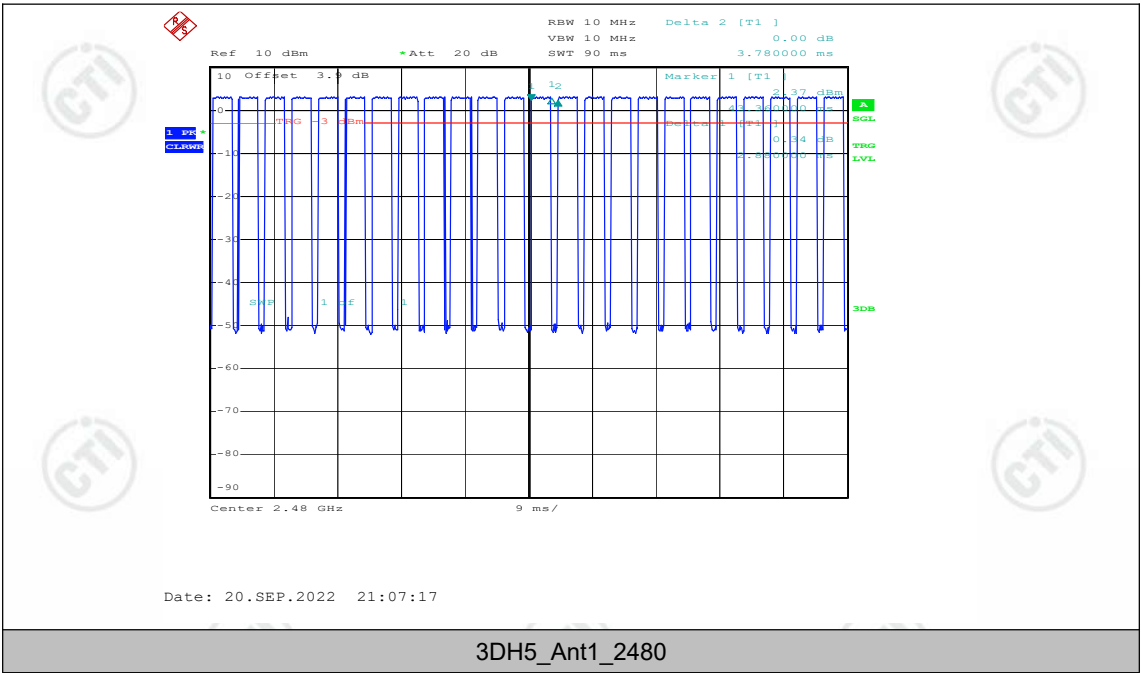
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



*** End of Report ***