

Appendix: Bluetooth Classic

Contents

Appendix A: 20dB Emission Bandwidth..... 3

 Test Result.....3

 Test Graphs.....4

Appendix B: Occupied Channel Bandwidth..... 9

 Test Result.....9

 Test Graphs.....10

Appendix C: Maximum conducted output power..... 15

 Test Result.....15

 Test Graphs.....16

Appendix D: Carrier frequency separation..... 21

 Test Result.....21

 Test Graphs.....22

Appendix E: Time of occupancy..... 24

 Test Result.....24

 Test Graphs.....25

Appendix F: Number of hopping channels..... 34

 Test Result.....34

 Test Graphs.....35

Appendix G: Band edge measurements..... 37

 Test Result.....37

 Test Graphs.....38

Appendix H: Conducted Spurious Emission..... 44

 Test Result.....44

 Test Graphs.....45

Appendix I: Duty Cycle..... 59

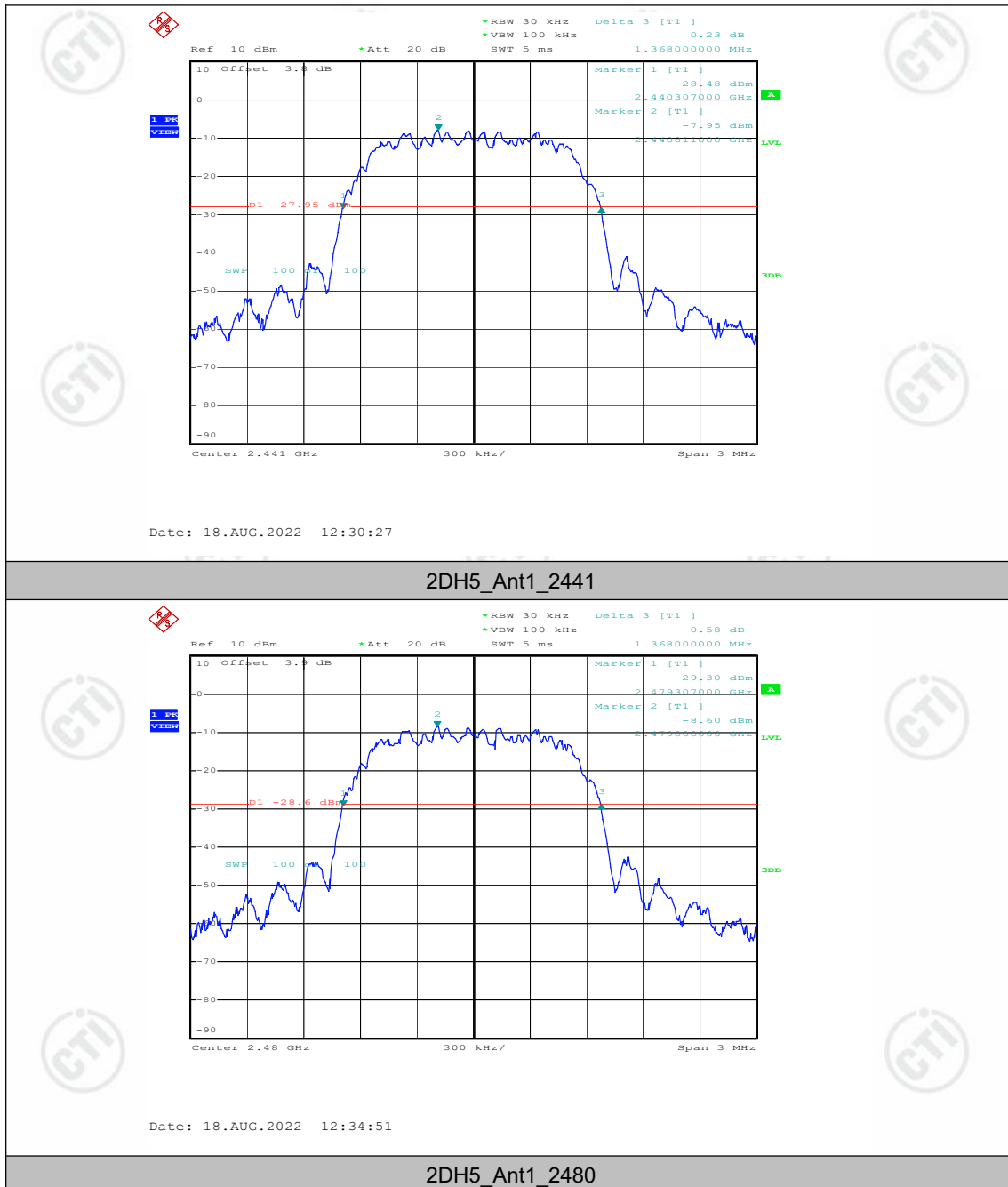
 Test Result.....59

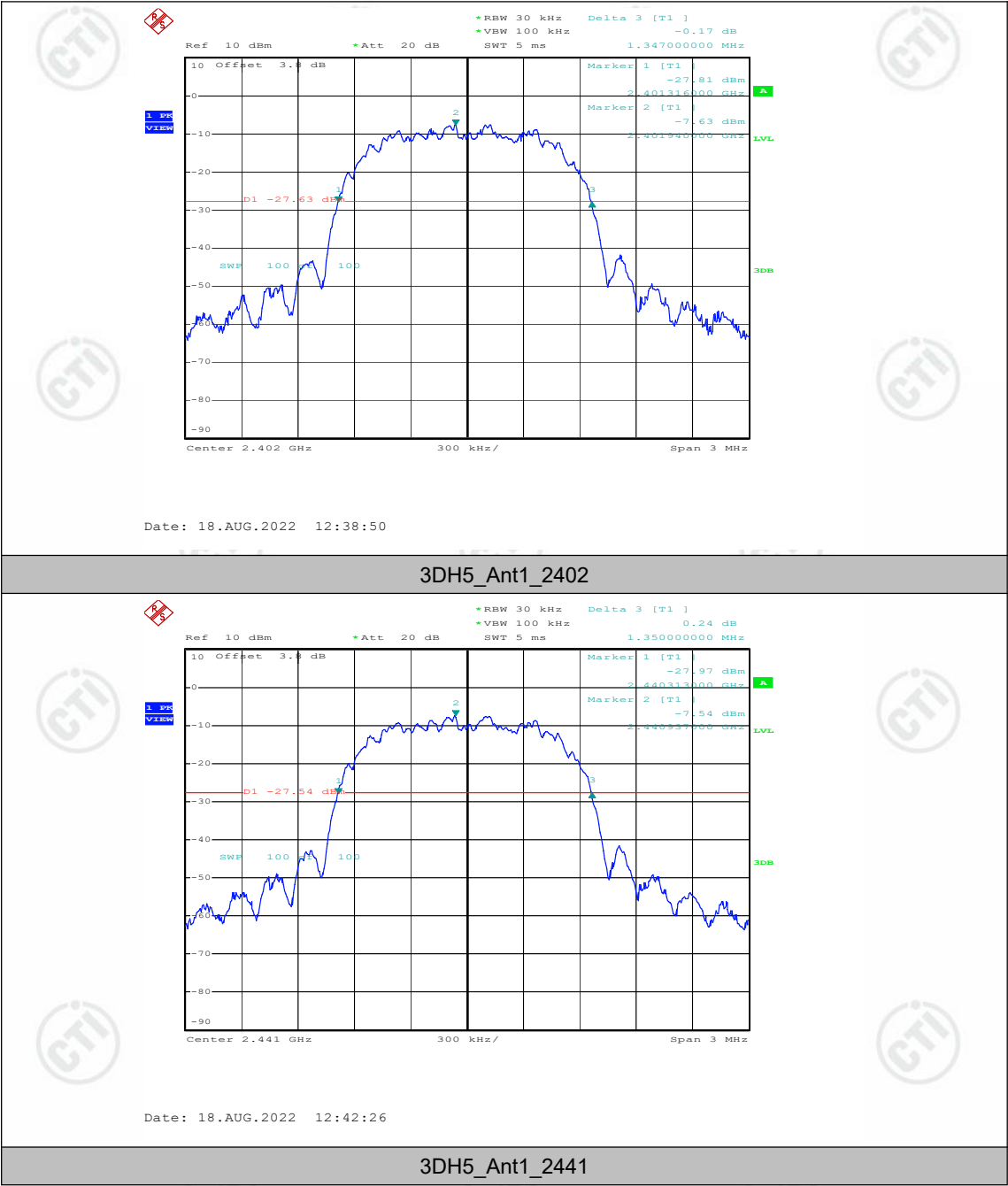
 Test Graphs.....60

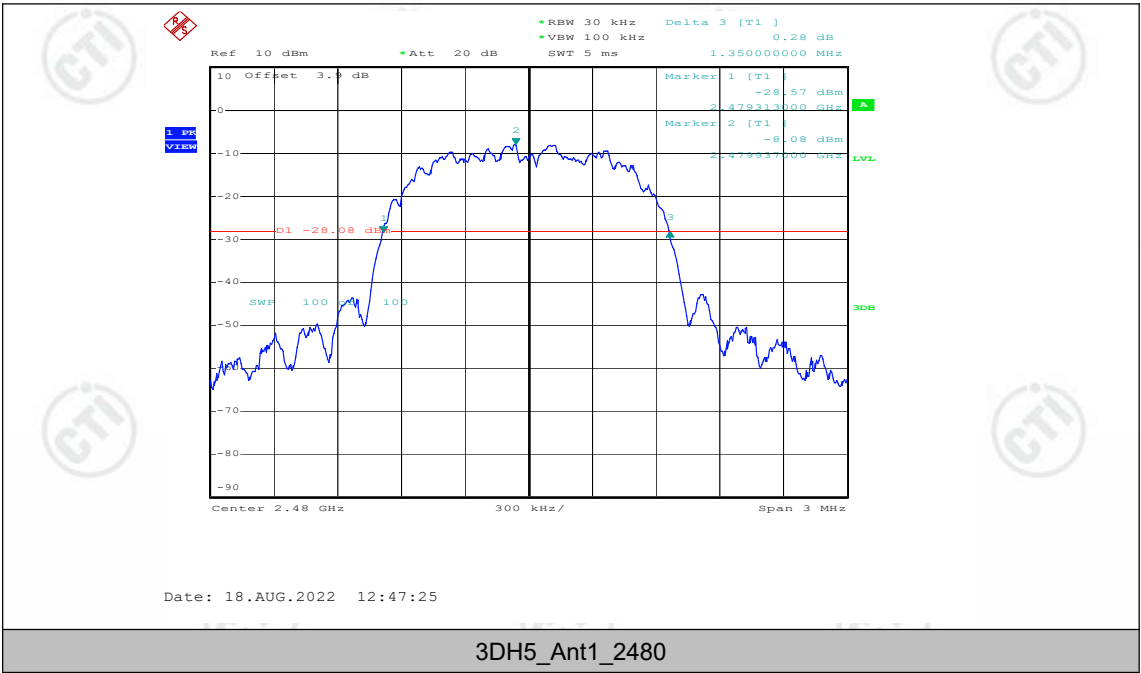
Appendix A: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.96	2401.53	2402.48	---	---
		2441	0.96	2440.52	2441.48	---	---
		2480	0.96	2479.52	2480.48	---	---
2DH5	Ant1	2402	1.37	2401.31	2402.68	---	---
		2441	1.37	2440.31	2441.68	---	---
		2480	1.37	2479.31	2480.68	---	---
3DH5	Ant1	2402	1.35	2401.32	2402.66	---	---
		2441	1.35	2440.31	2441.66	---	---
		2480	1.35	2479.31	2480.66	---	---



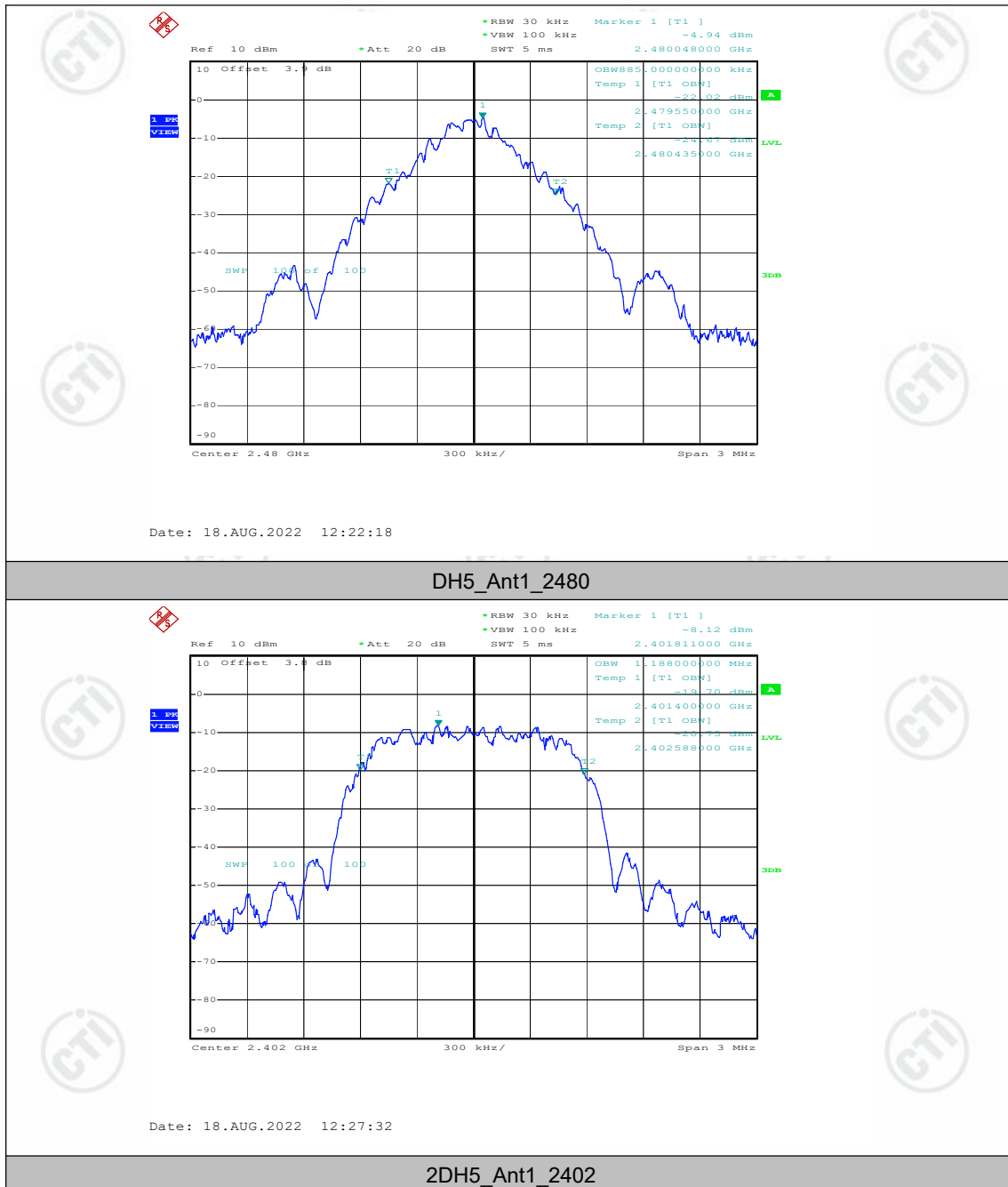


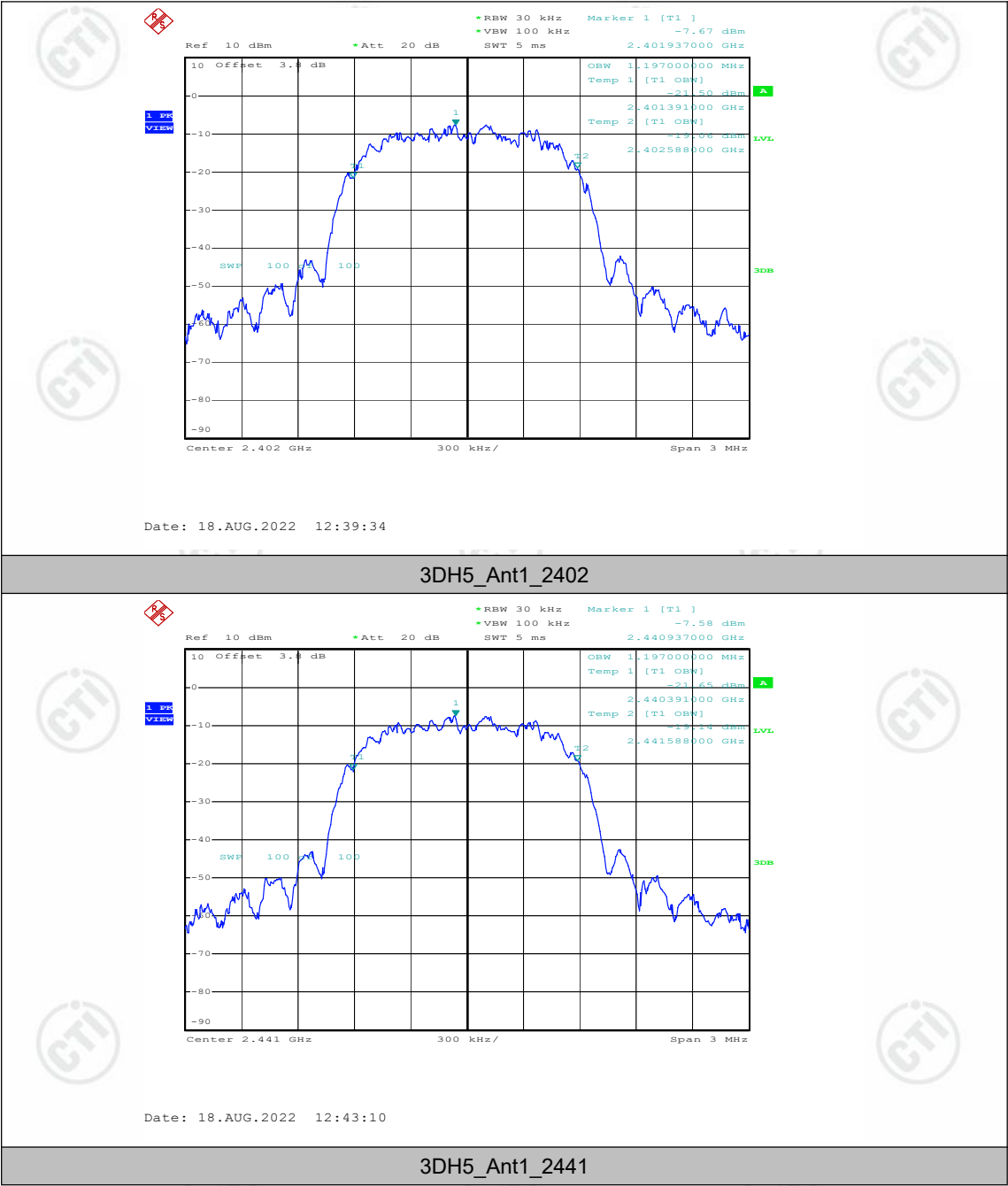


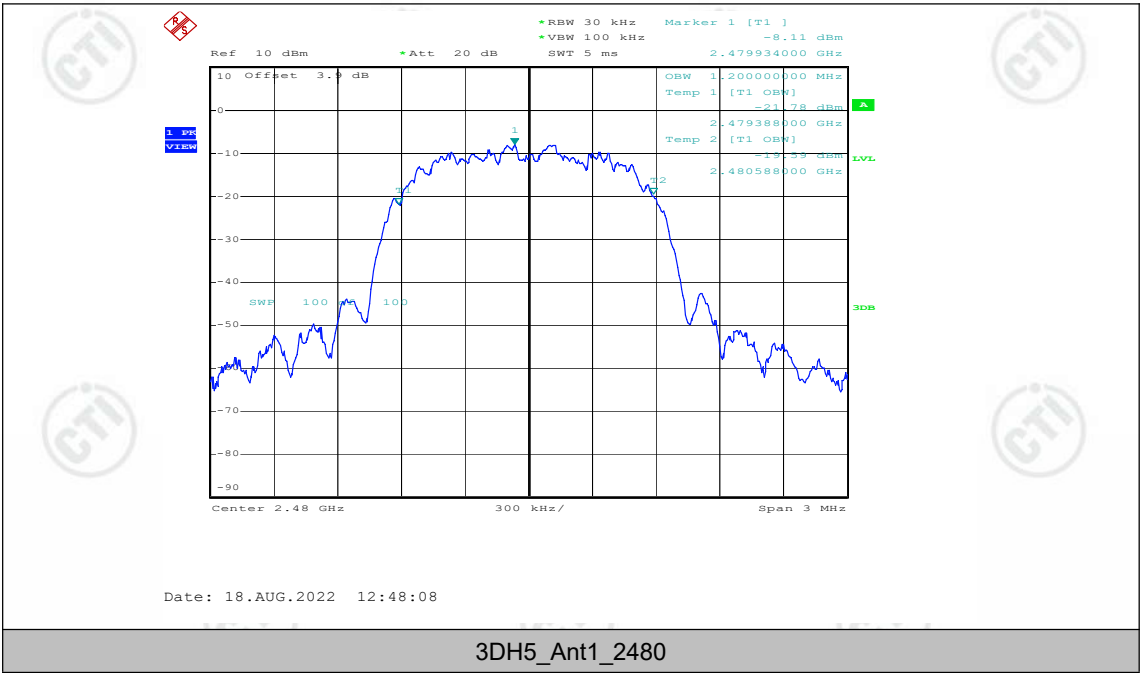
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.888	0.000	0.000	---	---
		2441	0.894	0.000	0.000	---	---
		2480	0.885	0.000	0.000	---	---
2DH5	Ant1	2402	1.188	0.000	0.000	---	---
		2441	1.194	0.000	0.000	---	---
		2480	1.194	0.000	0.000	---	---
3DH5	Ant1	2402	1.197	0.000	0.000	---	---
		2441	1.197	0.000	0.000	---	---
		2480	1.2	0.000	0.000	---	---



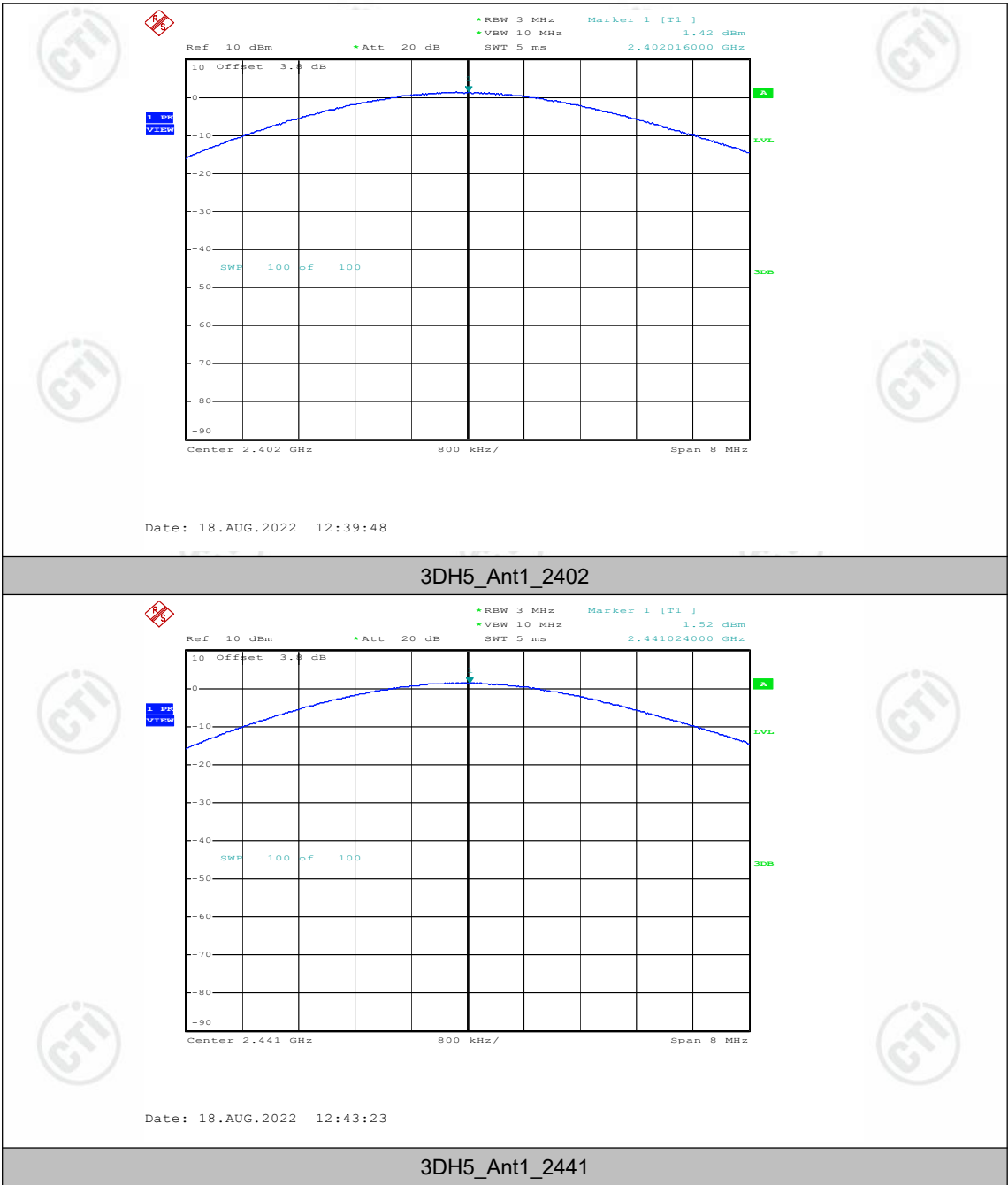


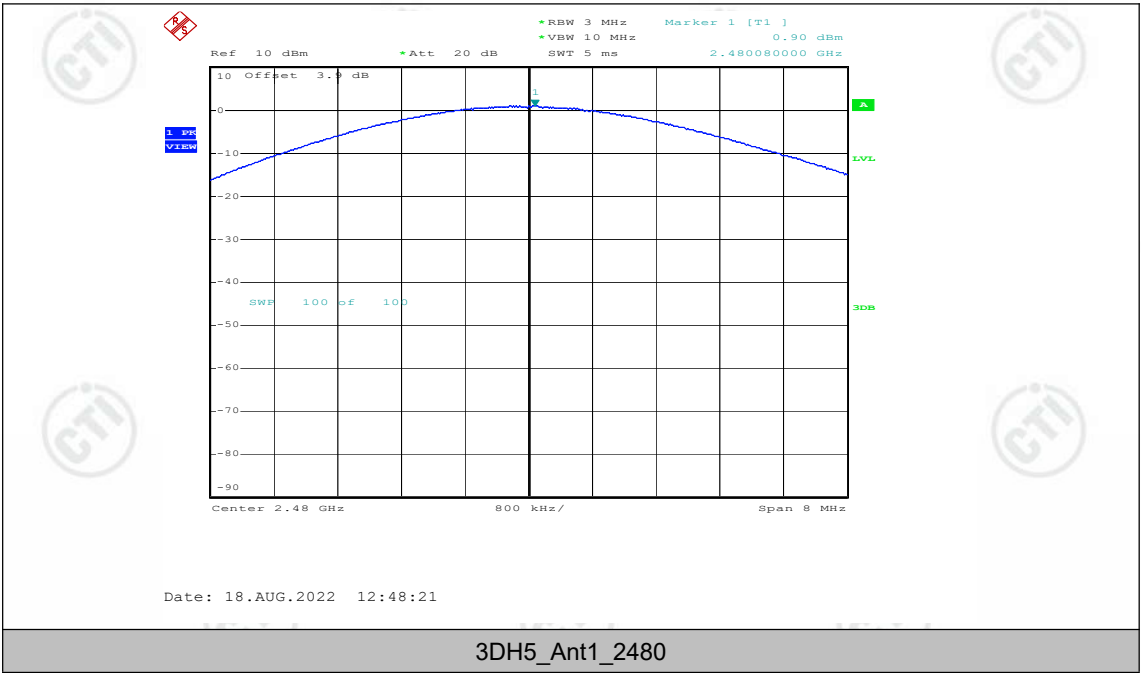


Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-1.60	≤20.97	PASS
		2441	-1.41	≤20.97	PASS
		2480	-2.06	≤20.97	PASS
2DH5	Ant1	2402	0.87	≤20.97	PASS
		2441	0.90	≤20.97	PASS
		2480	0.39	≤20.97	PASS
3DH5	Ant1	2402	1.42	≤20.97	PASS
		2441	1.52	≤20.97	PASS
		2480	0.90	≤20.97	PASS

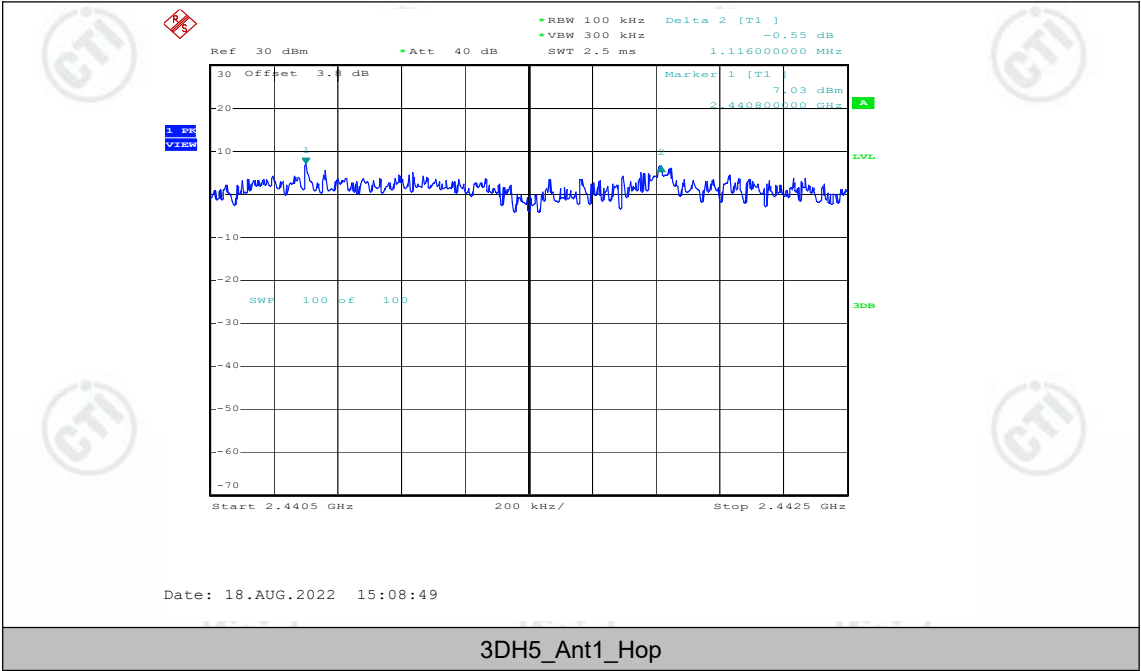




Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.144	≥0.960	PASS
2DH5	Ant1	Hop	1.000	≥0.913	PASS
3DH5	Ant1	Hop	1.116	≥0.900	PASS

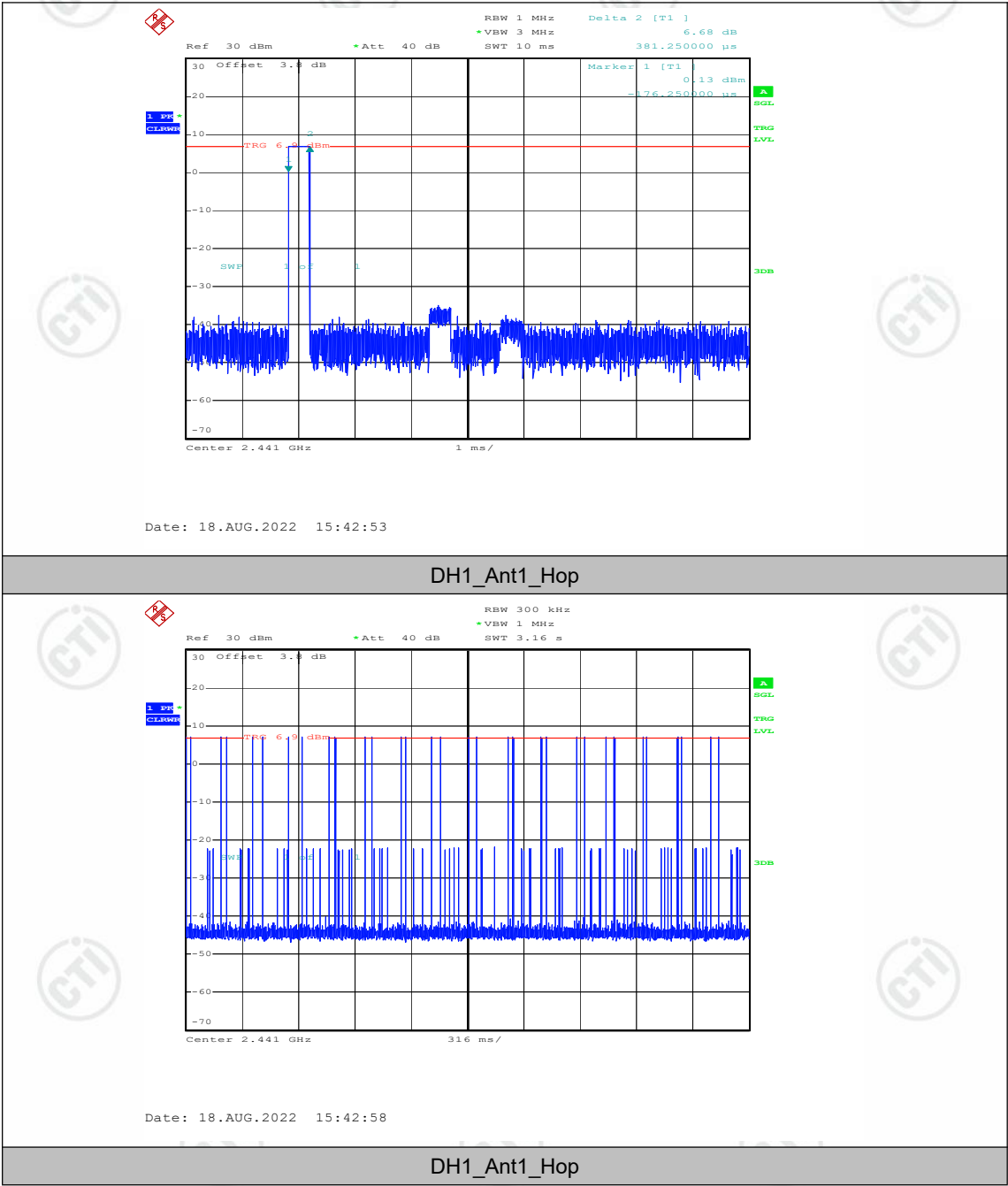


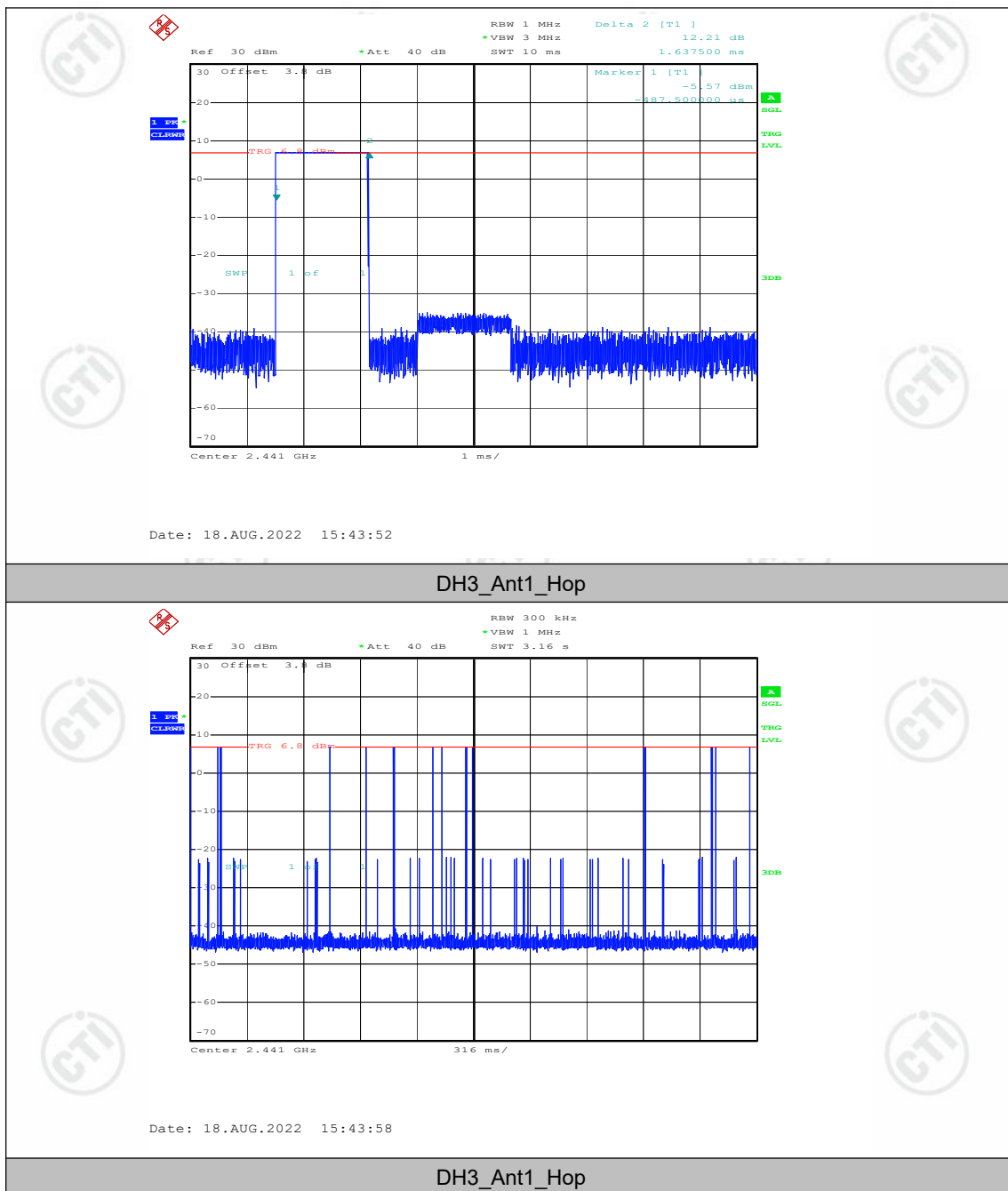
Appendix E: Time of occupancy

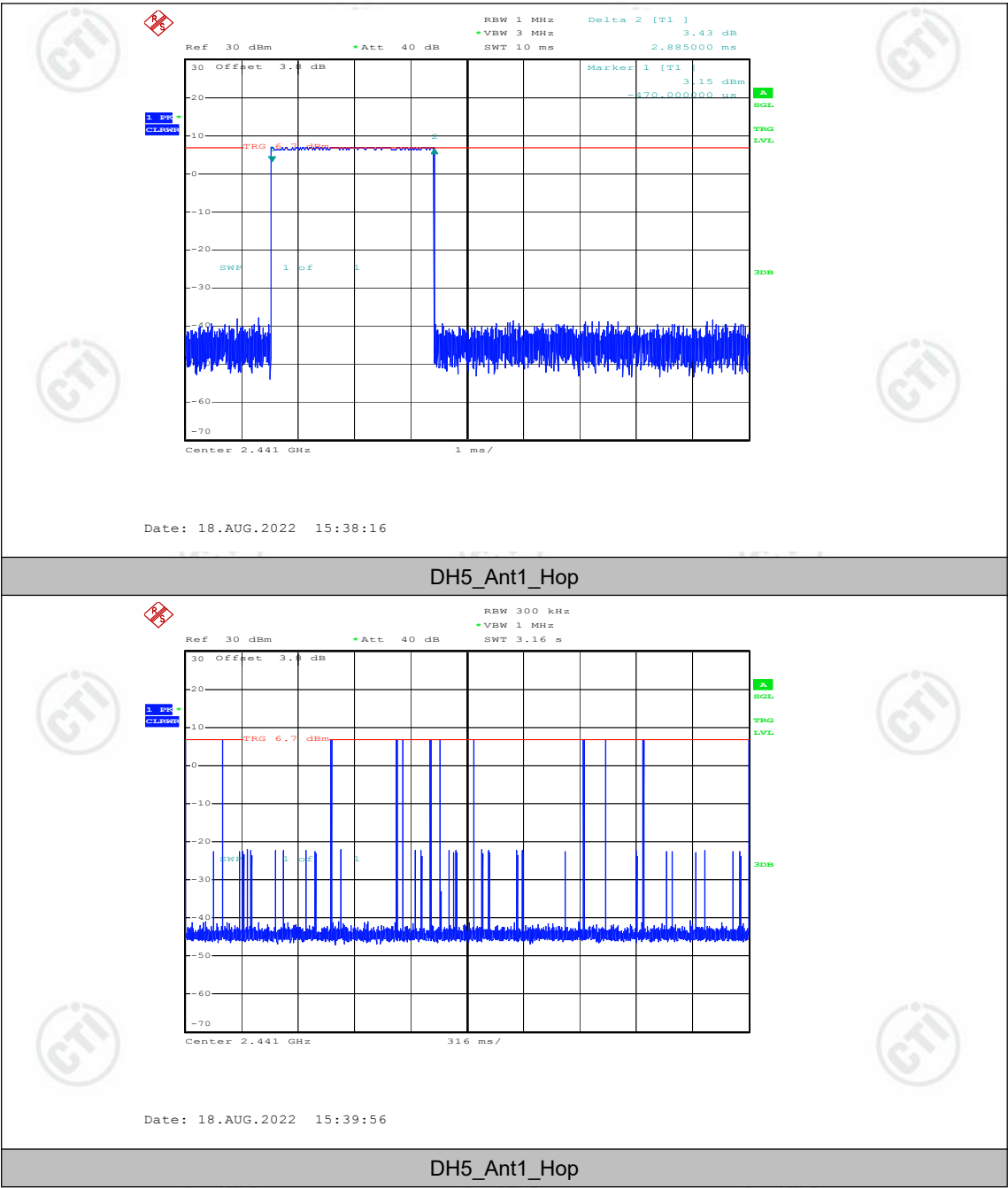
Test Result

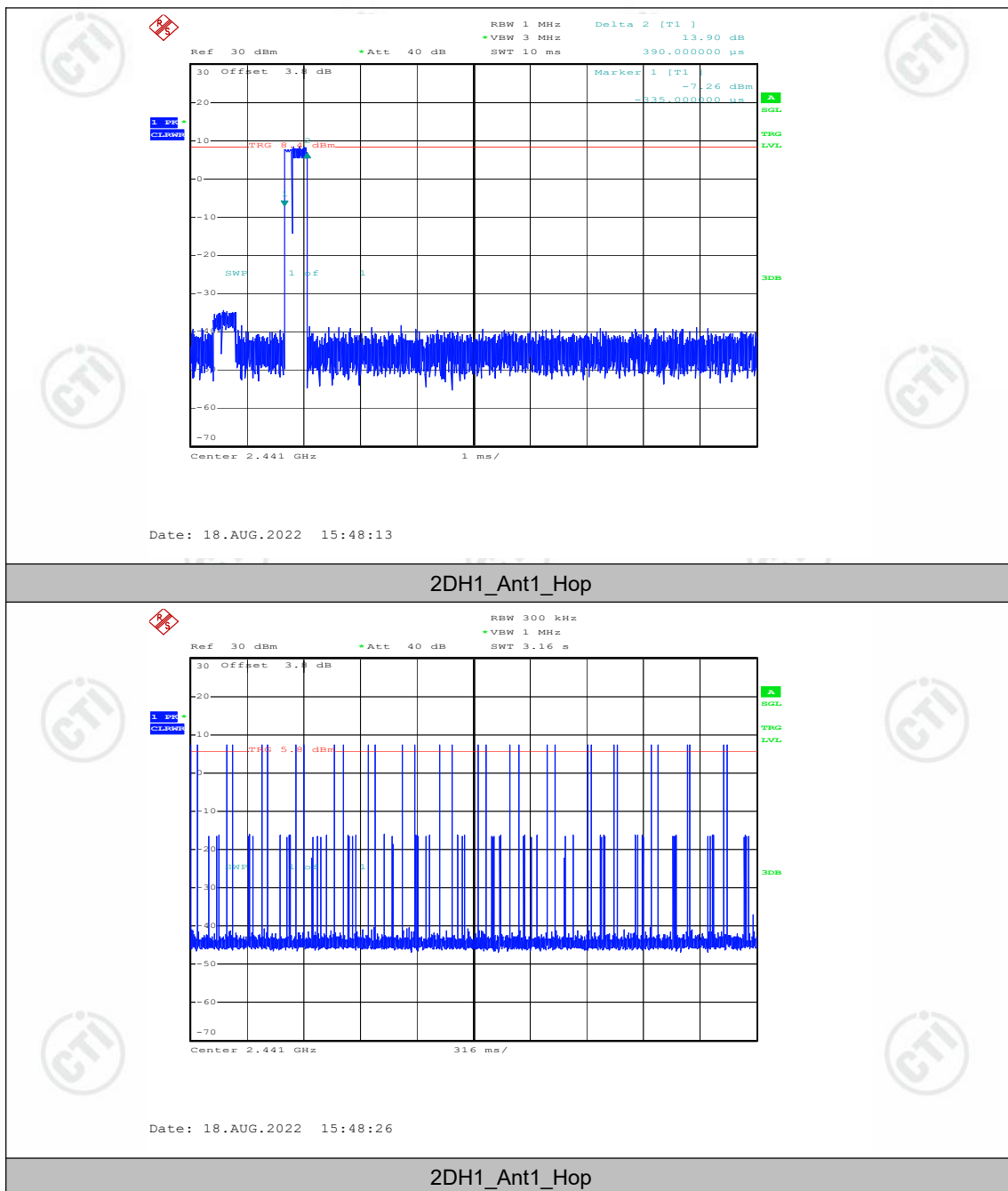
Test Mode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.38	320	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.64	140	0.229	≤0.4	PASS
DH5	Ant1	Hop	2.89	110	0.317	≤0.4	PASS
2DH1	Ant1	Hop	0.39	320	0.125	≤0.4	PASS
2DH3	Ant1	Hop	1.64	160	0.263	≤0.4	PASS
2DH5	Ant1	Hop	2.89	110	0.318	≤0.4	PASS
3DH1	Ant1	Hop	0.39	330	0.129	≤0.4	PASS
3DH3	Ant1	Hop	1.64	160	0.263	≤0.4	PASS
3DH5	Ant1	Hop	2.89	80	0.231	≤0.4	PASS

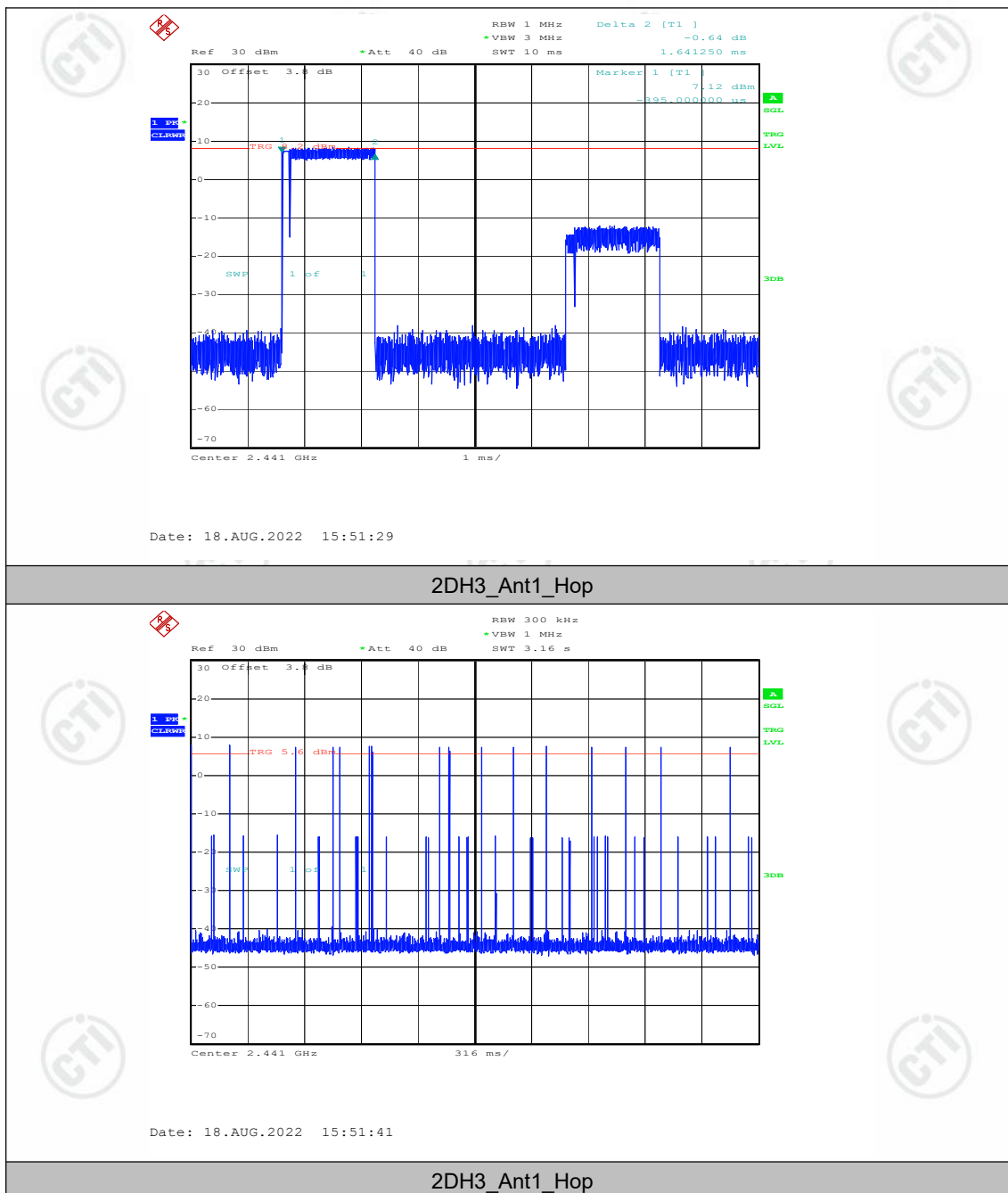
Test Graphs

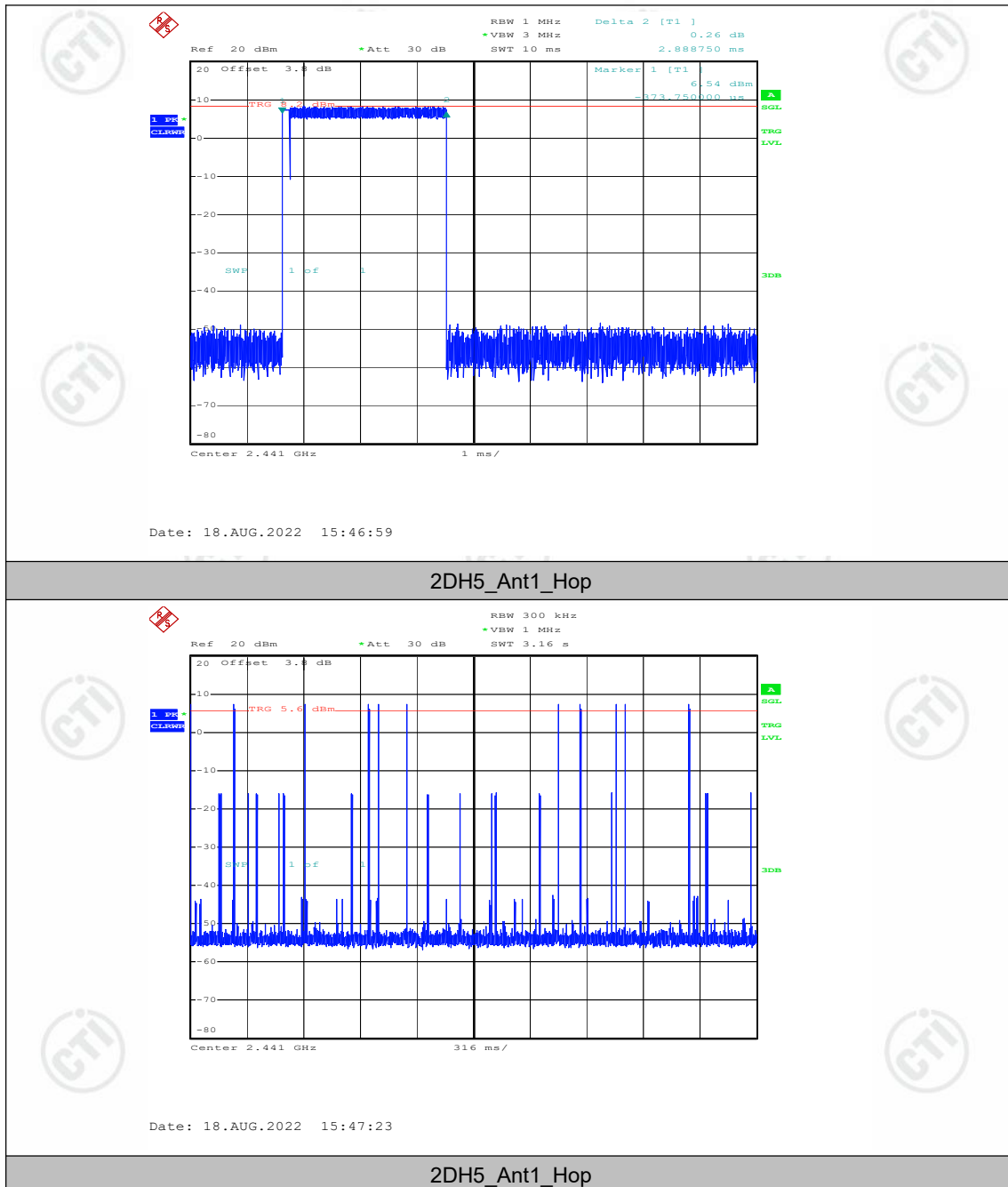


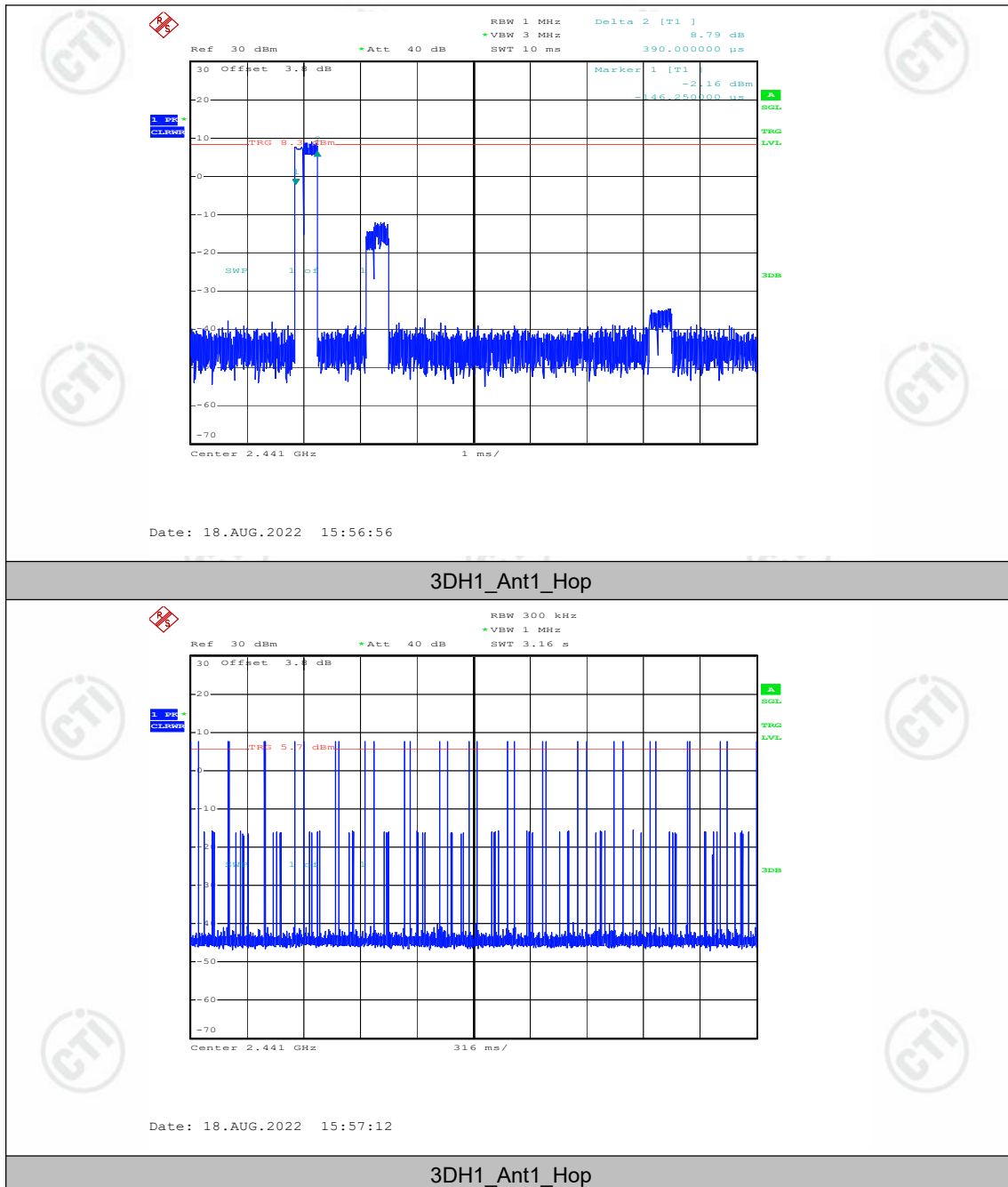


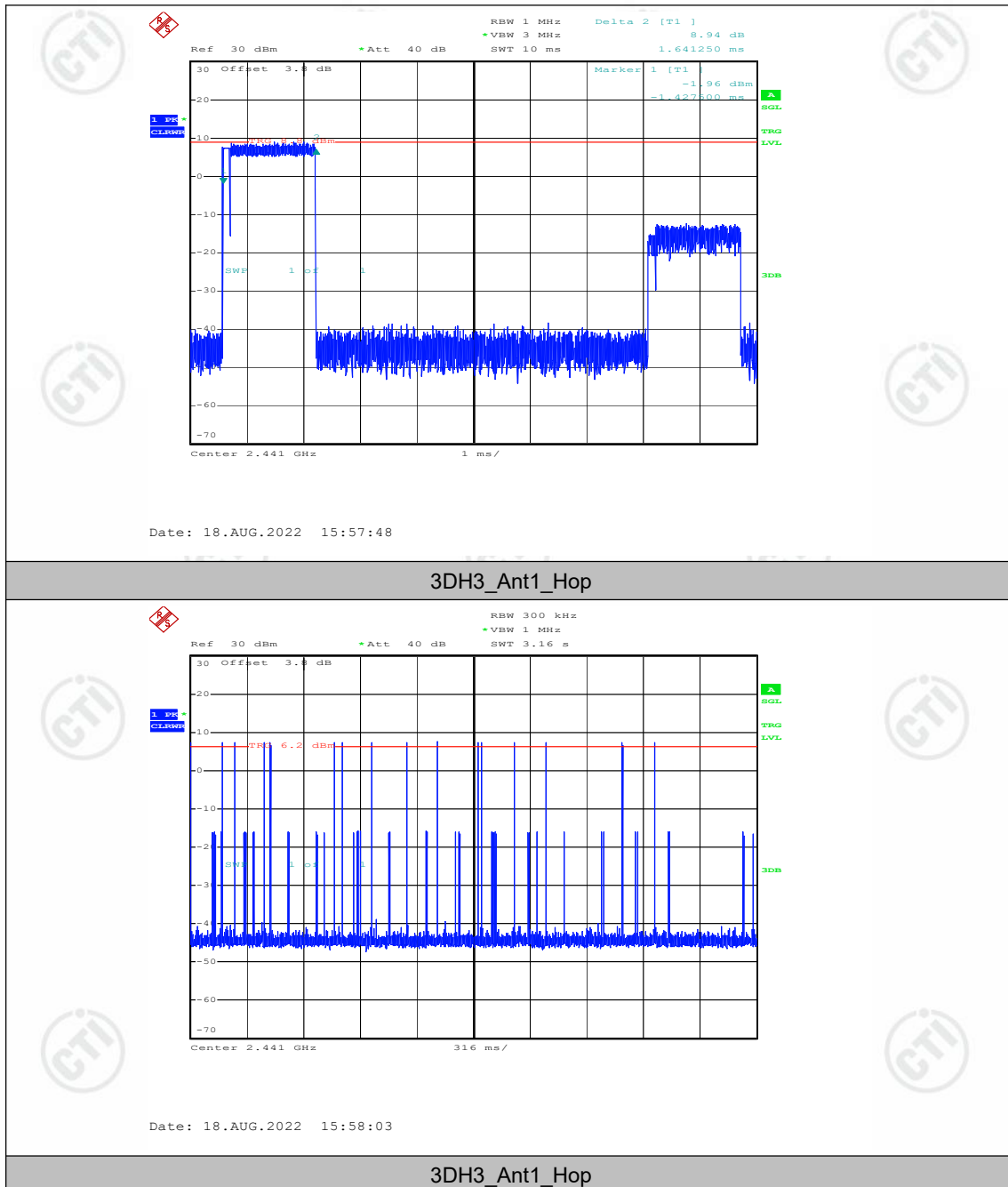


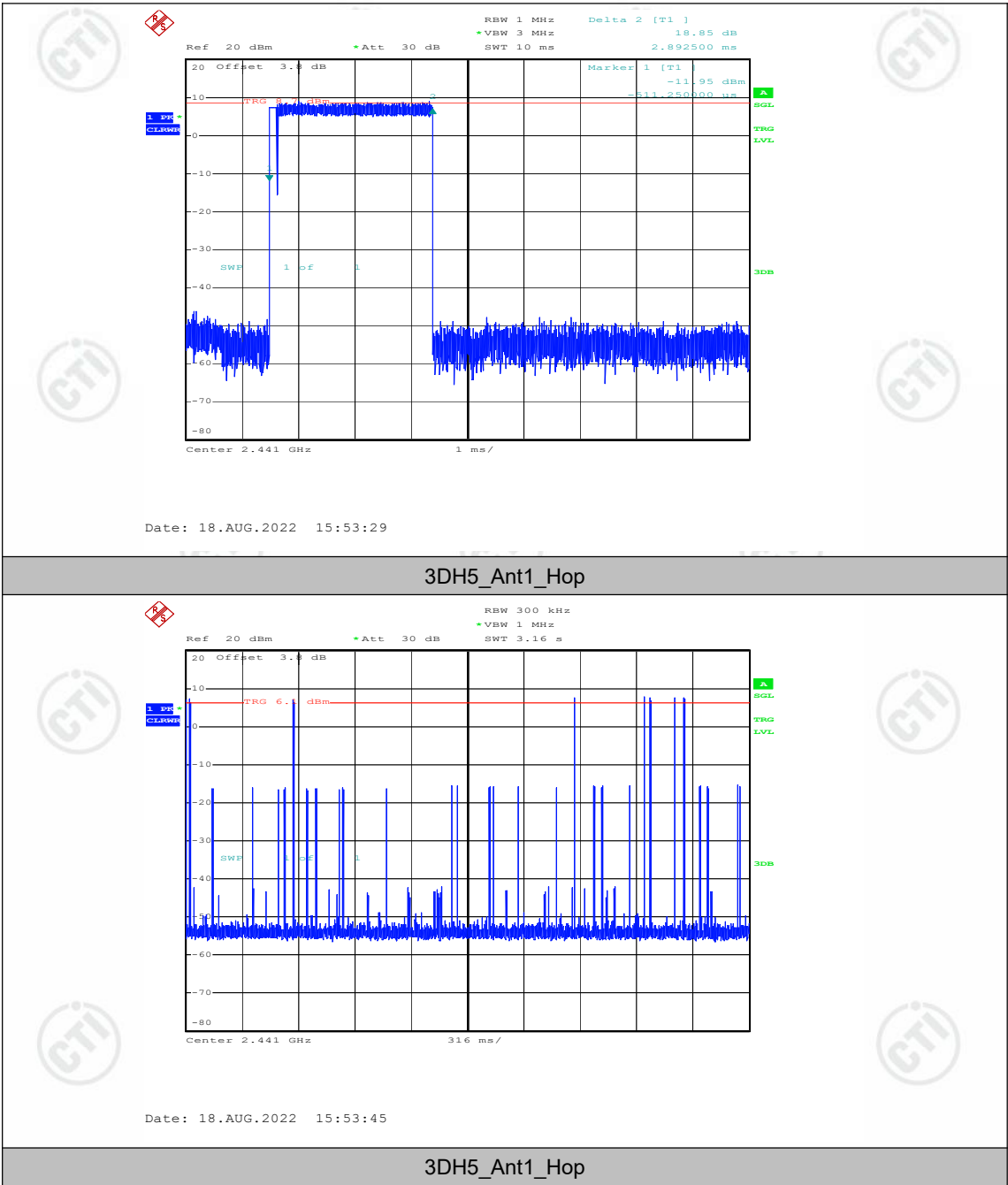








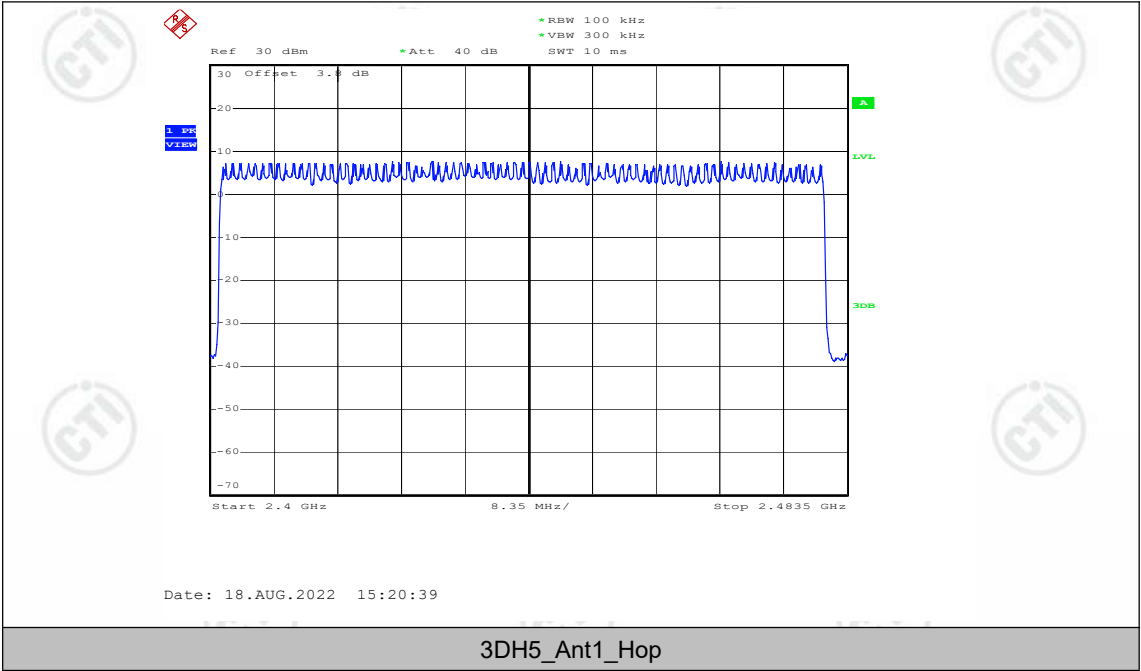




Appendix F: Number of hopping channels

Test Result

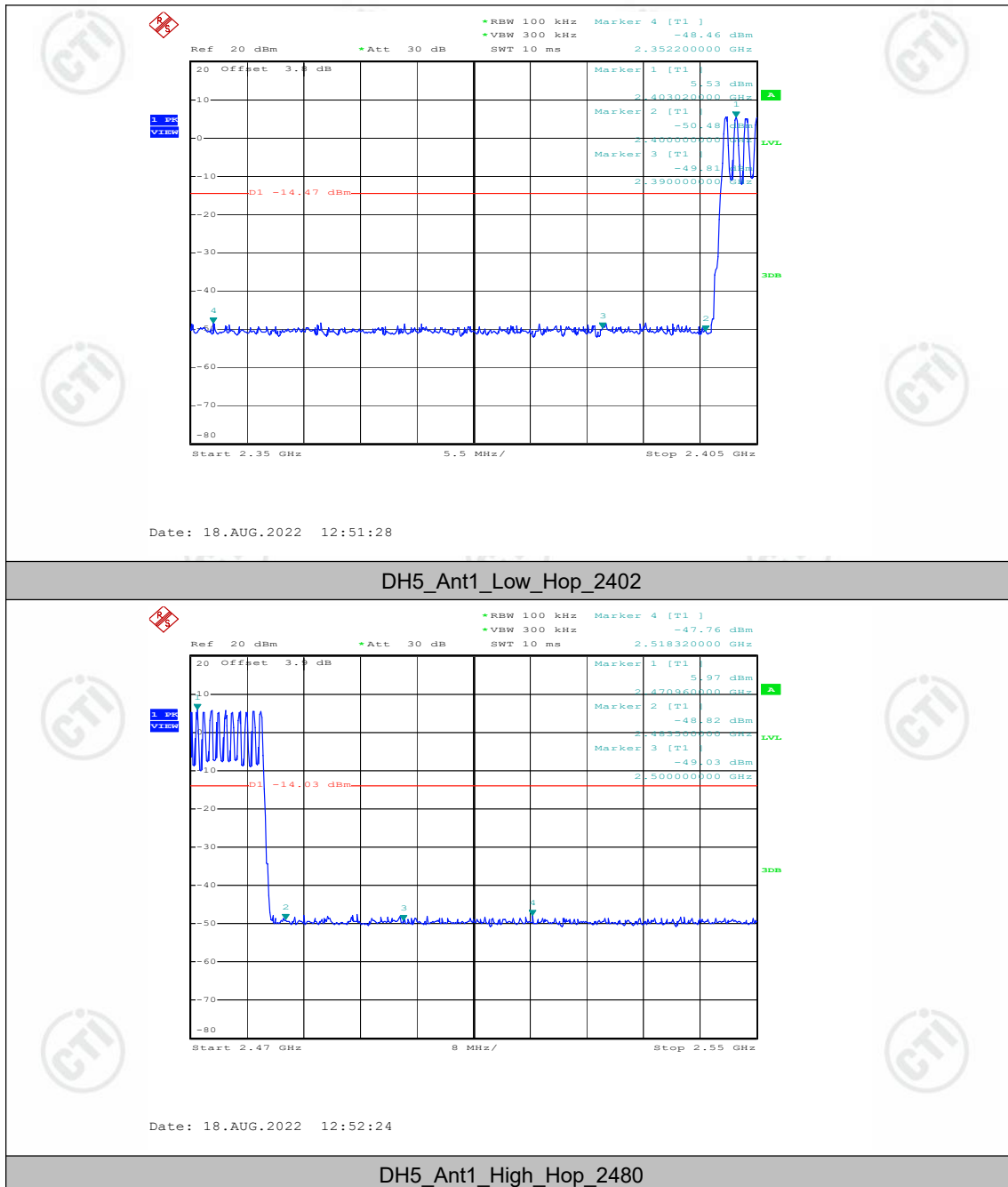
Test Mode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

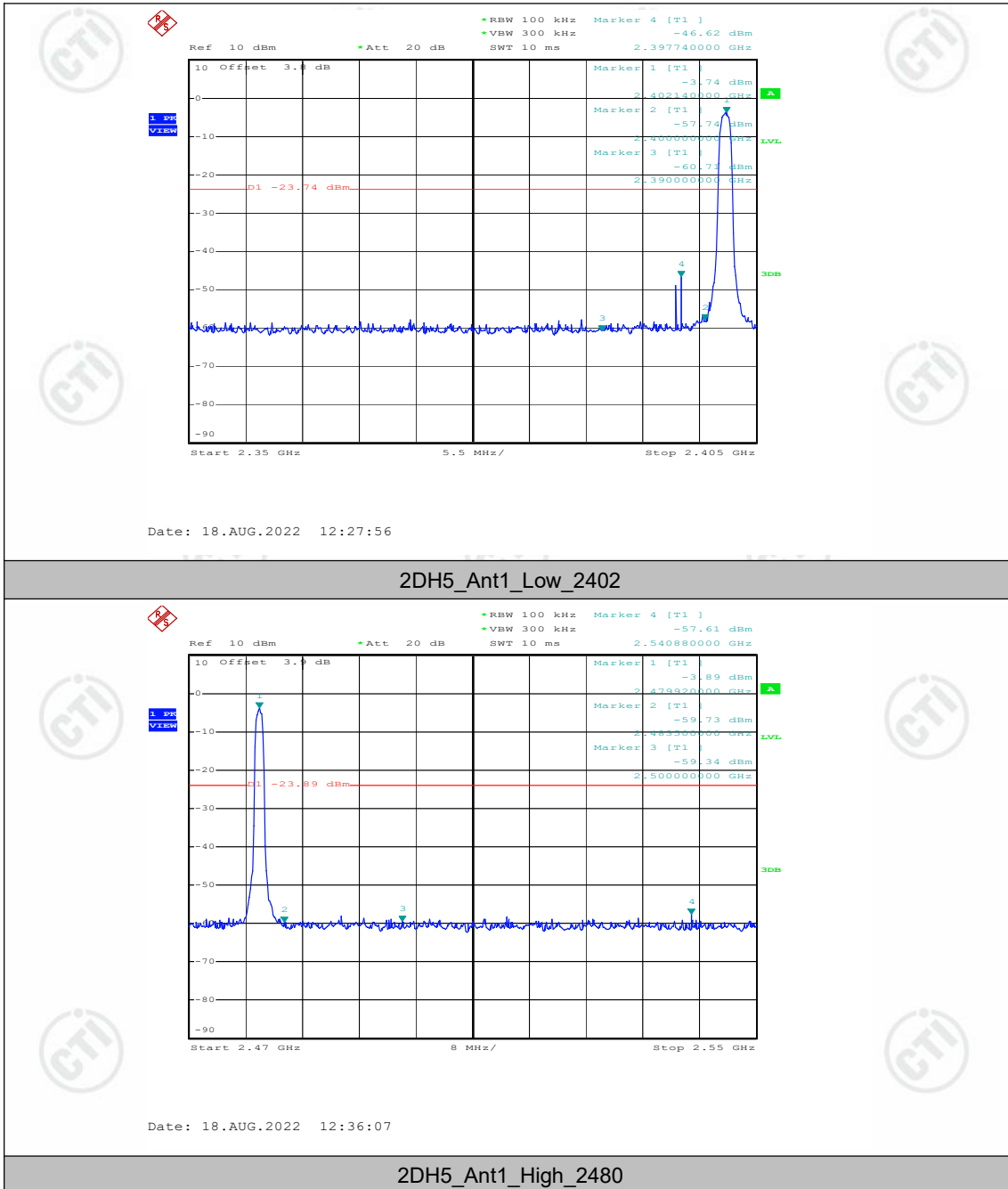


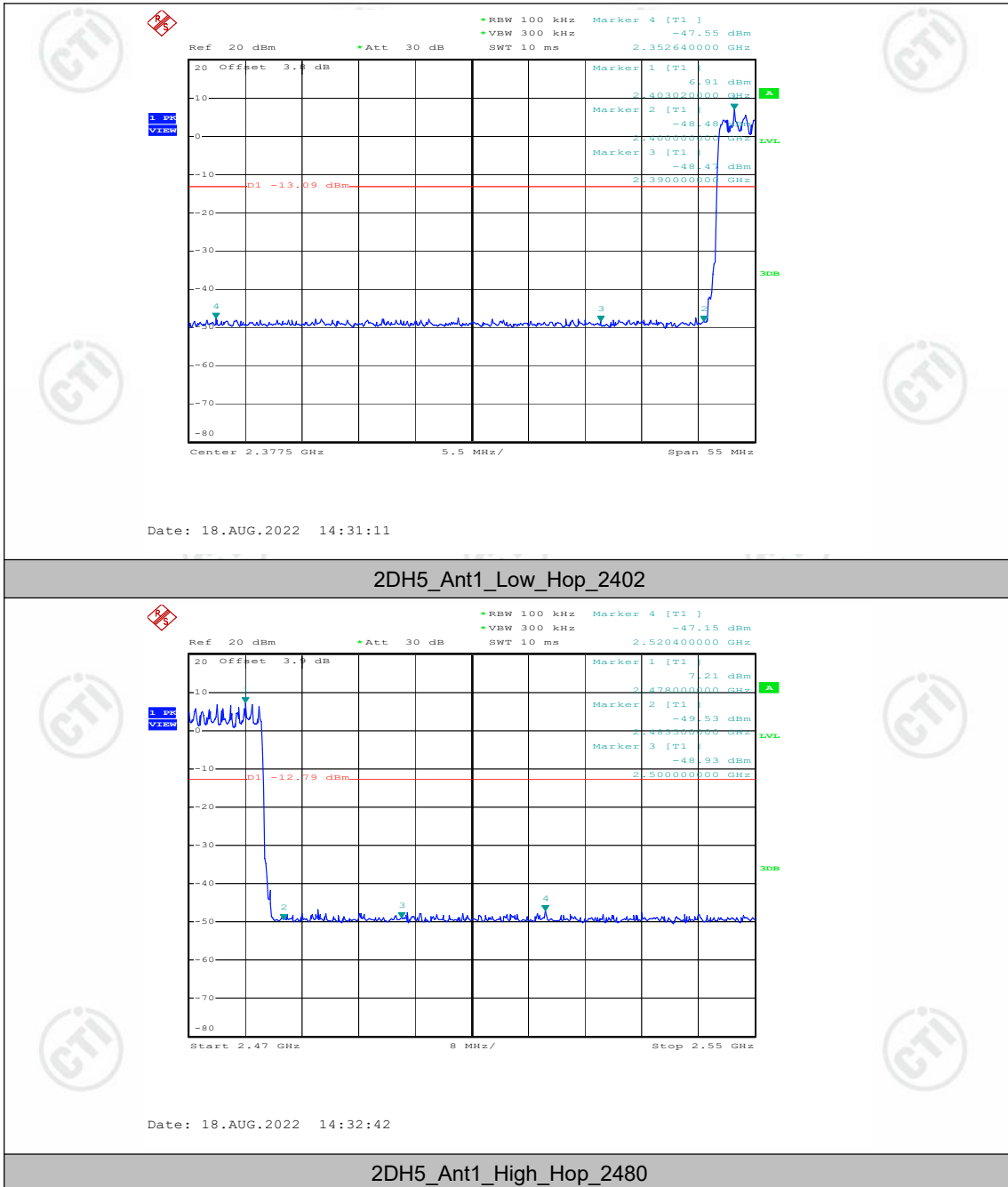
Appendix G: Band edge measurements

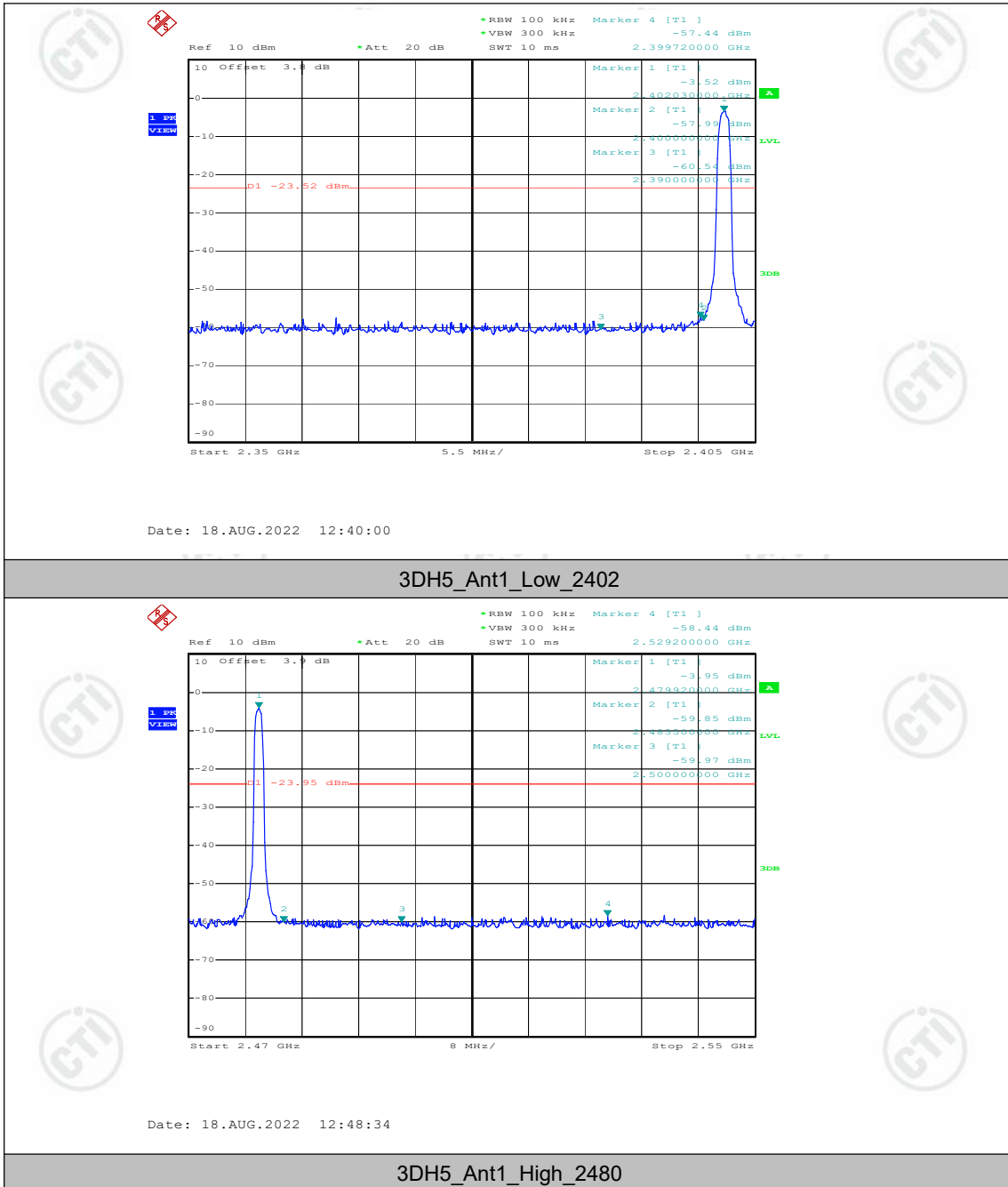
Test Result

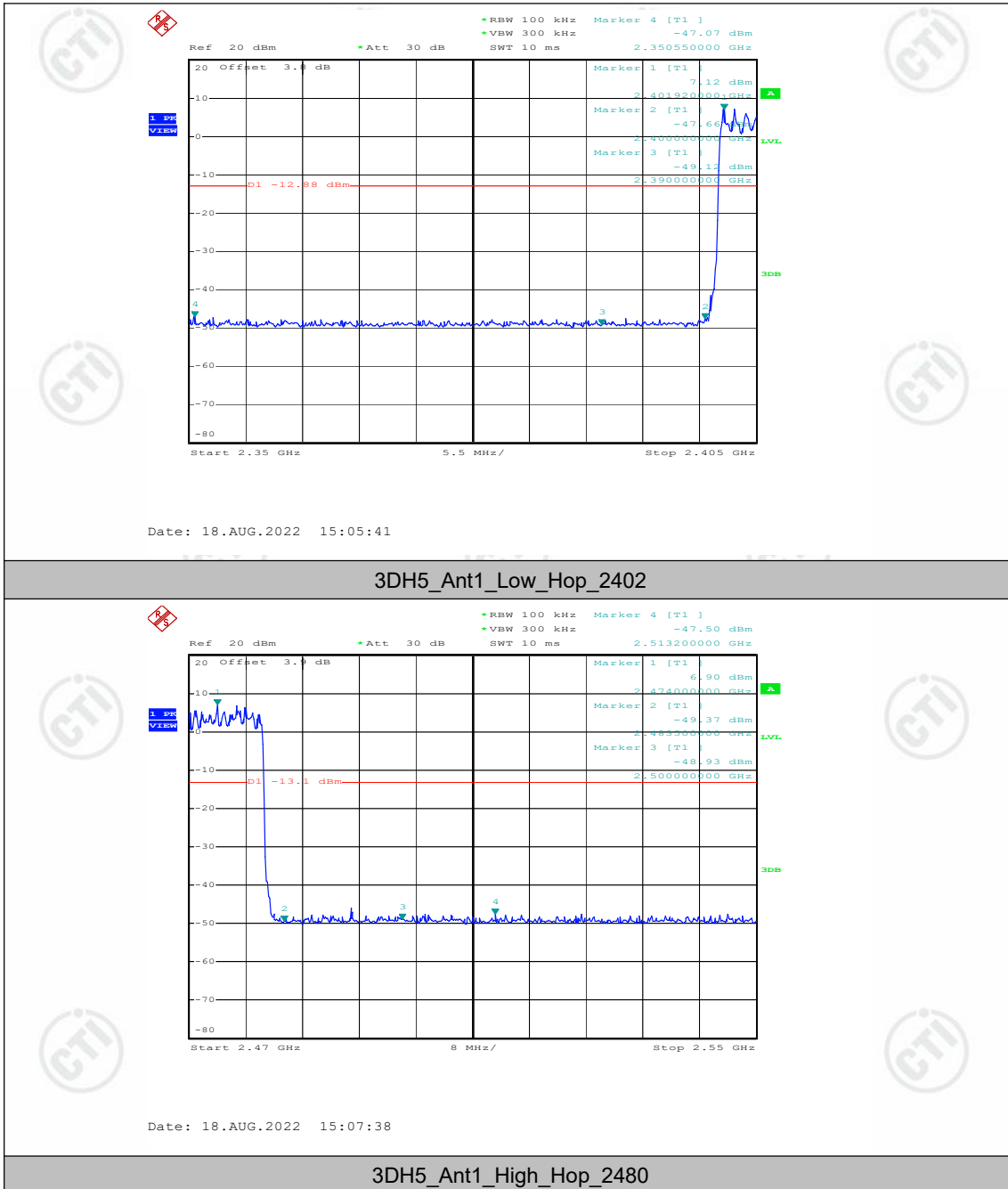
Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.10	-57.96	≤ -22.1	PASS
		High	2480	-2.70	-57.91	≤ -22.7	PASS
		Low	Hop_2402	5.53	-48.46	≤ -14.47	PASS
		High	Hop_2480	5.97	-47.76	≤ -14.03	PASS
2DH5	Ant1	Low	2402	-3.74	-46.62	≤ -23.74	PASS
		High	2480	-3.89	-57.61	≤ -23.89	PASS
		Low	Hop_2402	6.91	-47.55	≤ -13.09	PASS
		High	Hop_2480	7.21	-47.15	≤ -12.79	PASS
3DH5	Ant1	Low	2402	-3.52	-57.44	≤ -23.52	PASS
		High	2480	-3.95	-58.44	≤ -23.95	PASS
		Low	Hop_2402	7.12	-47.07	≤ -12.88	PASS
		High	Hop_2480	6.90	-47.5	≤ -13.1	PASS







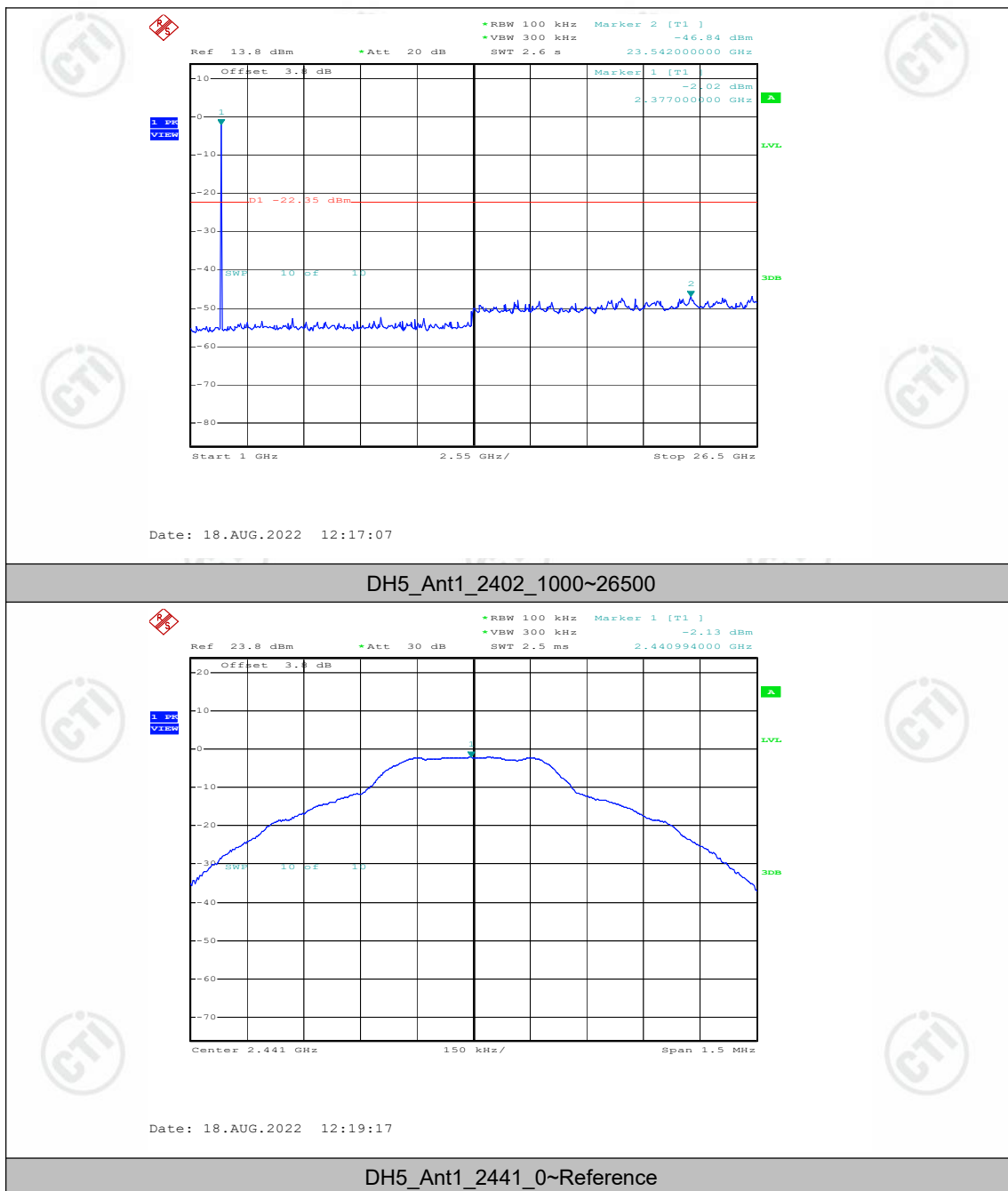


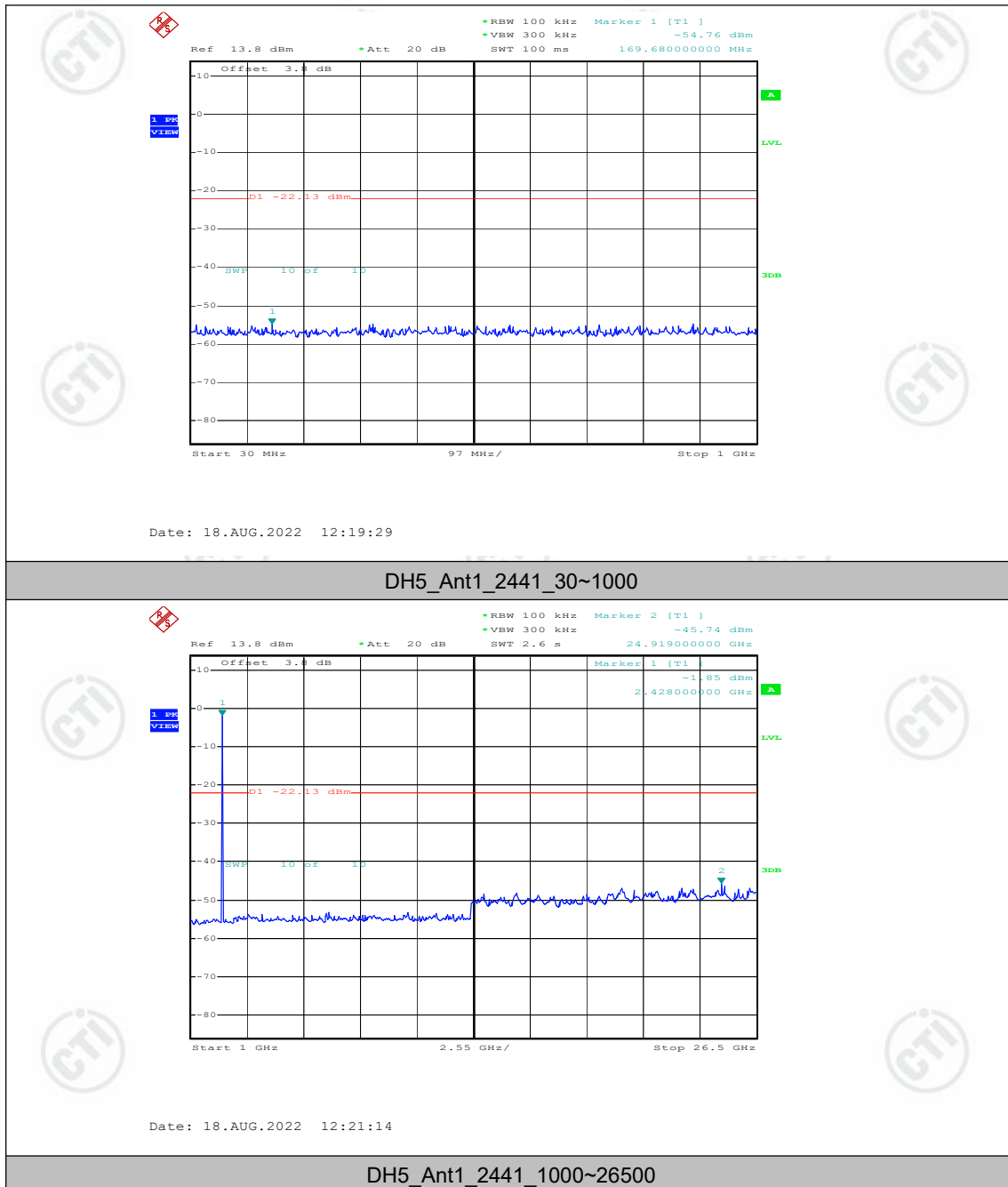


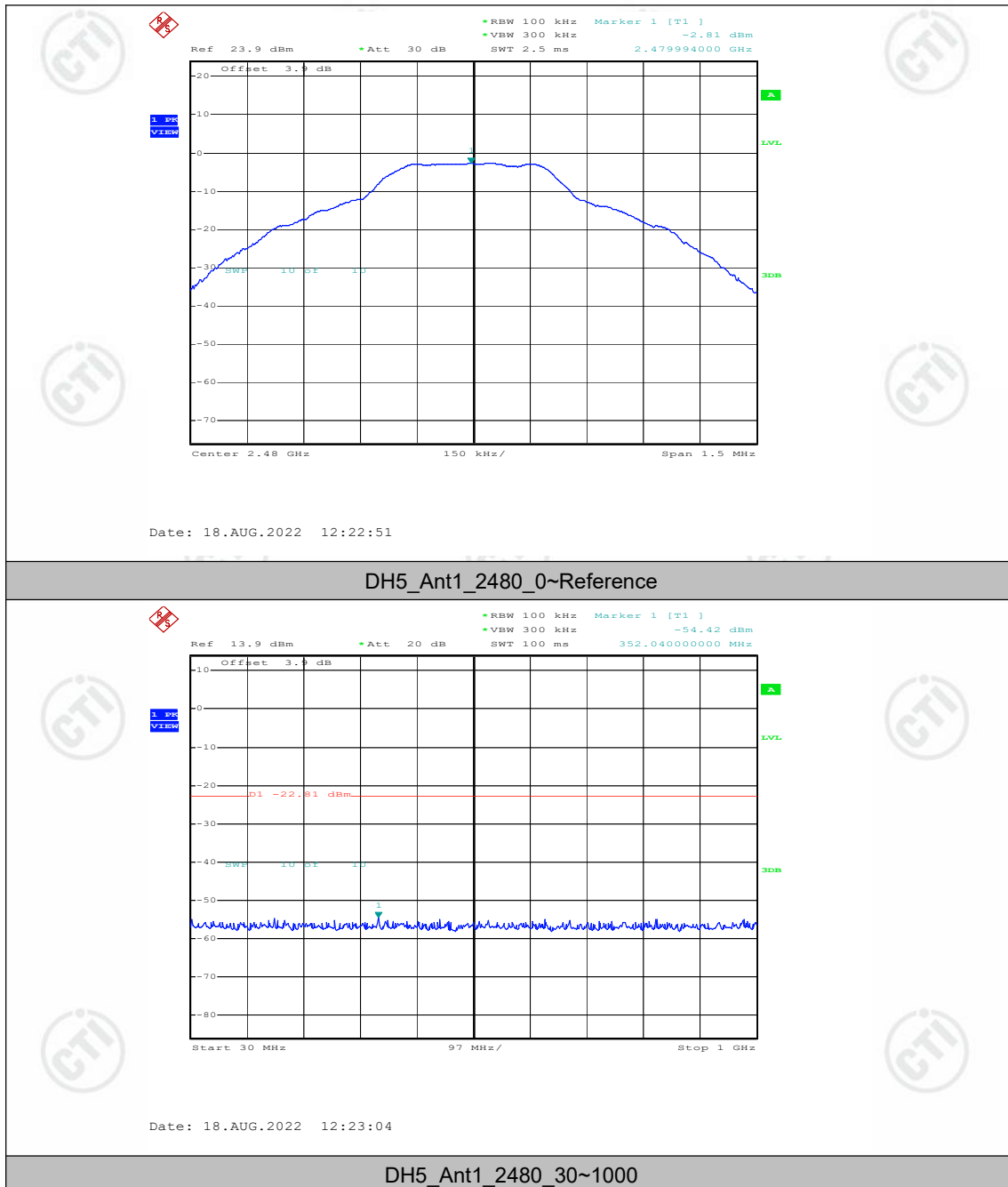
Appendix H: Conducted Spurious Emission

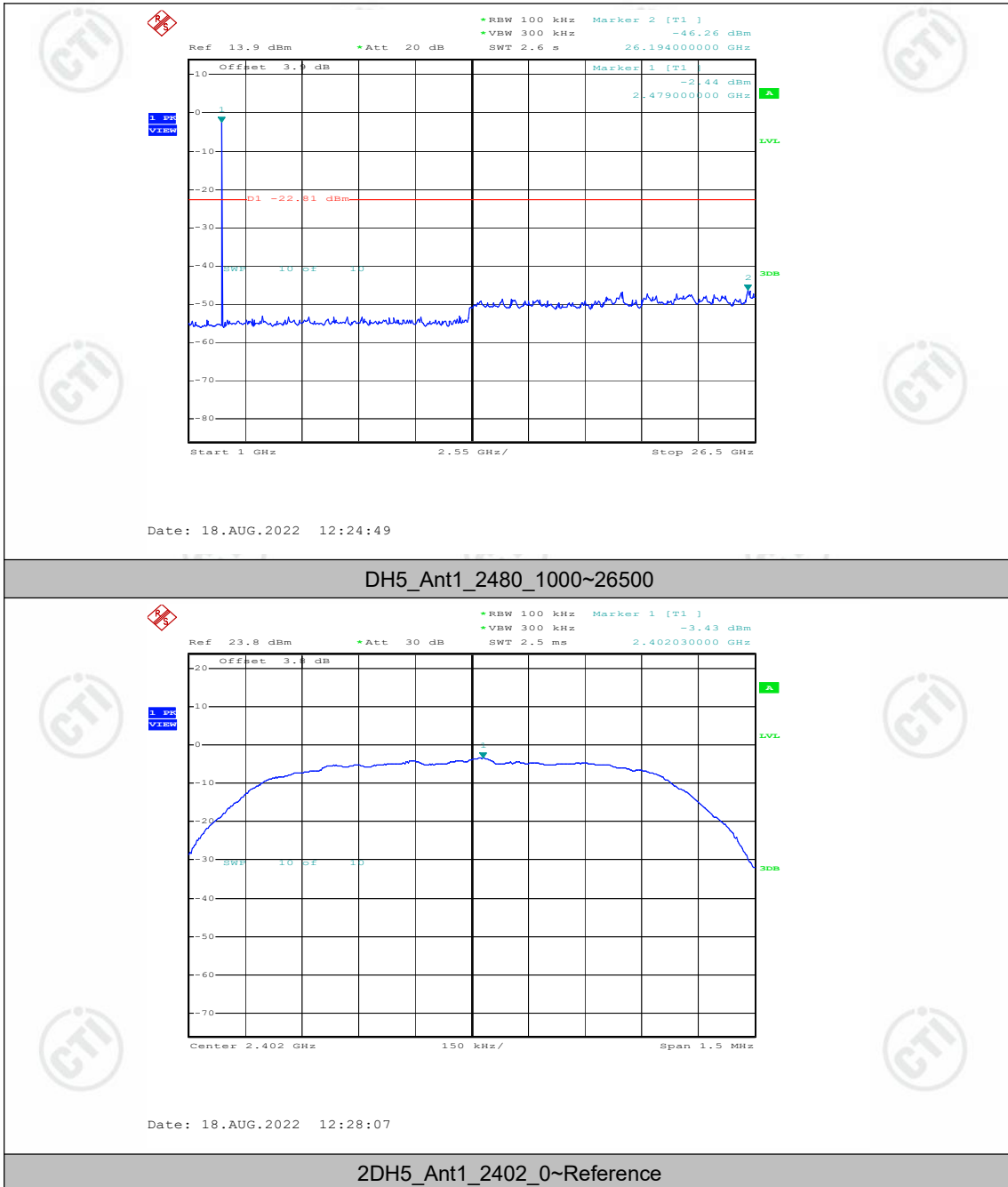
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-2.35	-2.35	---	PASS
			30~1000	---	-53.65	≤-22.35	PASS
			1000~26500	---	-46.84	≤-22.35	PASS
		2441	Reference	-2.13	-2.13	---	PASS
			30~1000	---	-54.76	≤-22.13	PASS
			1000~26500	---	-45.74	≤-22.13	PASS
		2480	Reference	-2.81	-2.81	---	PASS
			30~1000	---	-54.42	≤-22.81	PASS
			1000~26500	---	-46.26	≤-22.81	PASS
2DH5	Ant1	2402	Reference	-3.43	-3.43	---	PASS
			30~1000	---	-54.48	≤-23.43	PASS
			1000~26500	---	-46.65	≤-23.43	PASS
		2441	Reference	-3.26	-3.26	---	PASS
			30~1000	---	-54.26	≤-23.26	PASS
			1000~26500	---	-47.38	≤-23.26	PASS
		2480	Reference	-3.34	-3.34	---	PASS
			30~1000	---	-54.55	≤-23.34	PASS
			1000~26500	---	-46.68	≤-23.34	PASS
3DH5	Ant1	2402	Reference	-3.50	-3.50	---	PASS
			30~1000	---	-54.49	≤-23.5	PASS
			1000~26500	---	-47.19	≤-23.5	PASS
		2441	Reference	-3.34	-3.34	---	PASS
			30~1000	---	-54.74	≤-23.34	PASS
			1000~26500	---	-47.26	≤-23.34	PASS
		2480	Reference	-3.86	-3.86	---	PASS
			30~1000	---	-54.13	≤-23.86	PASS
			1000~26500	---	-46.2	≤-23.86	PASS

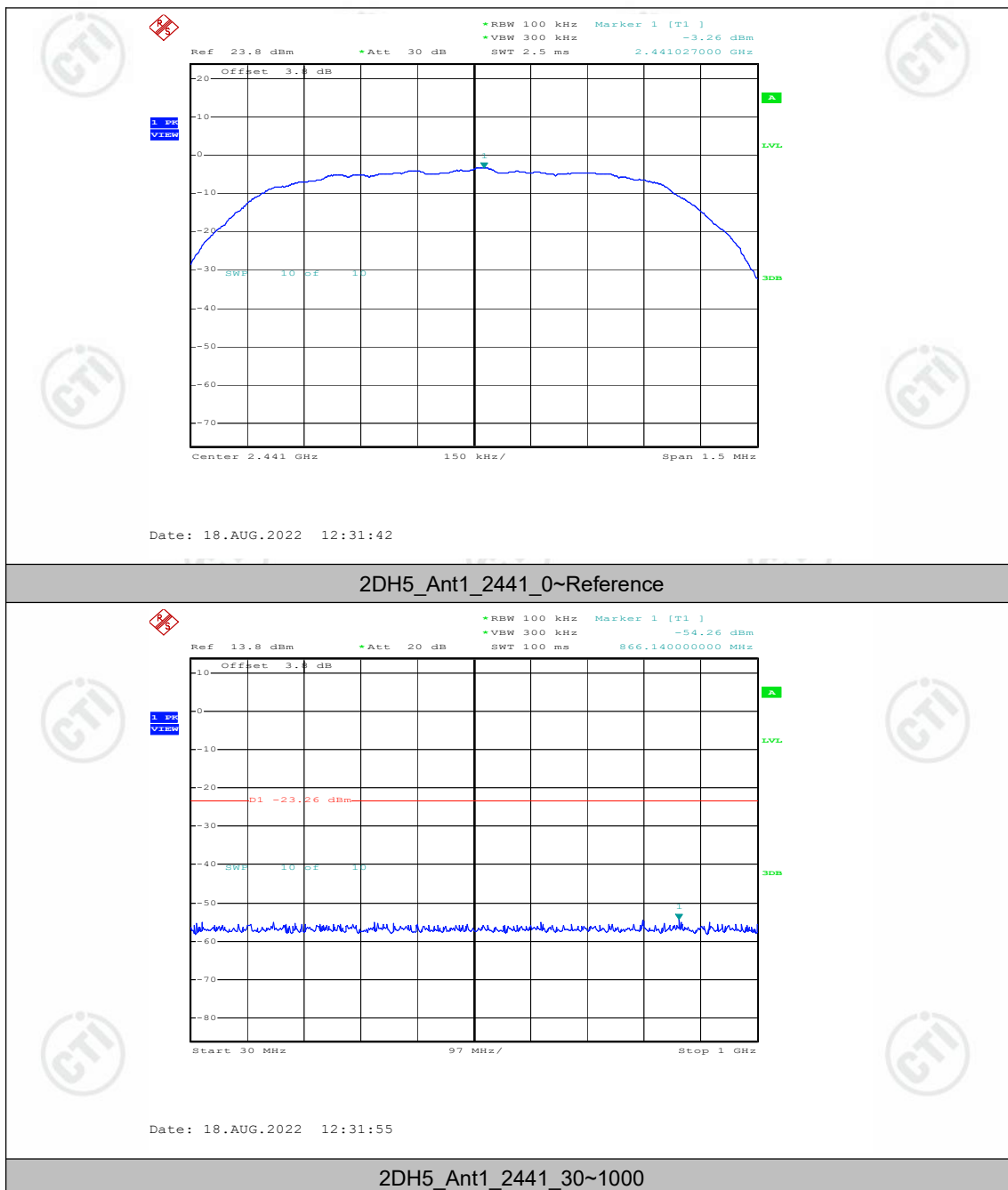


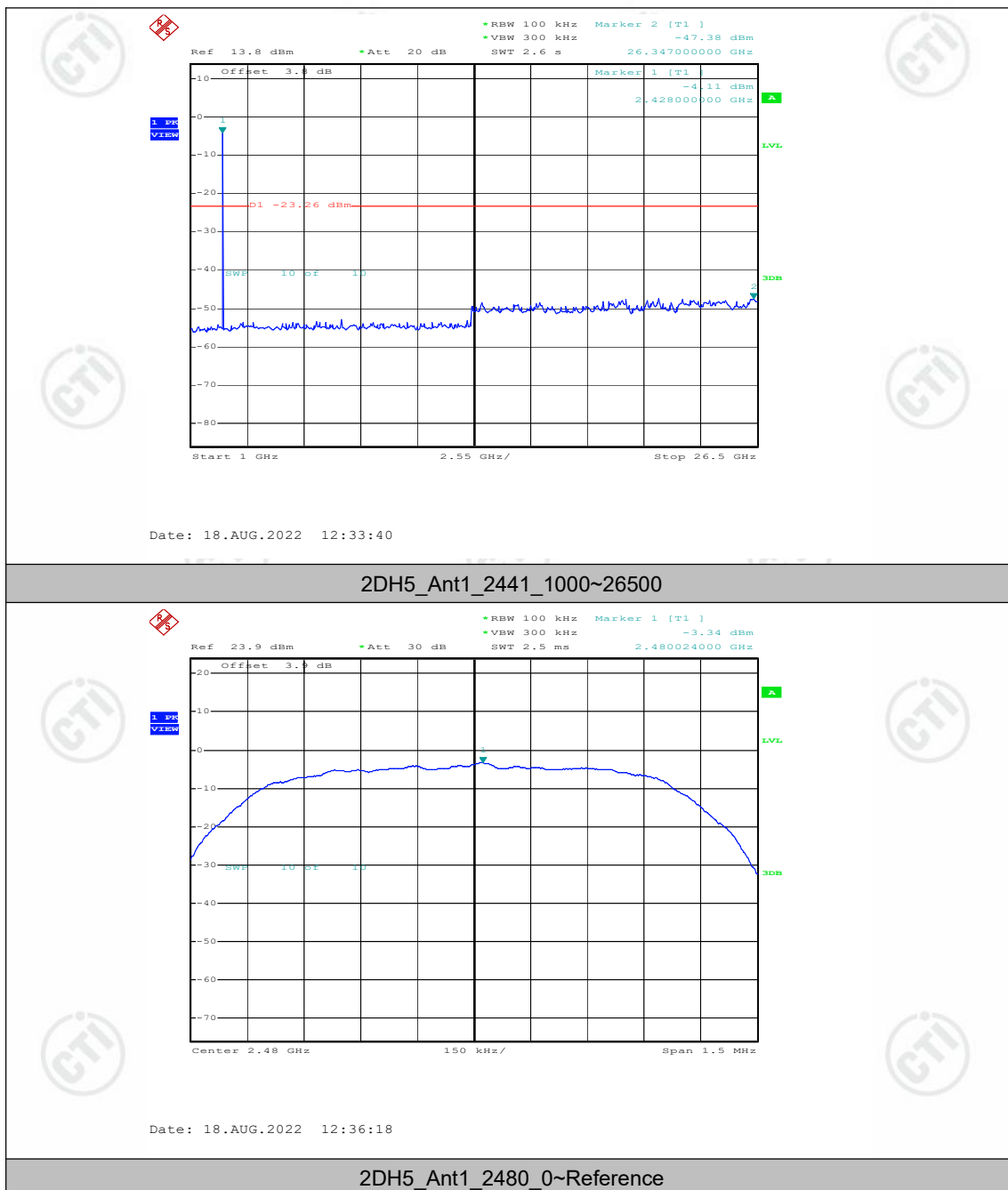


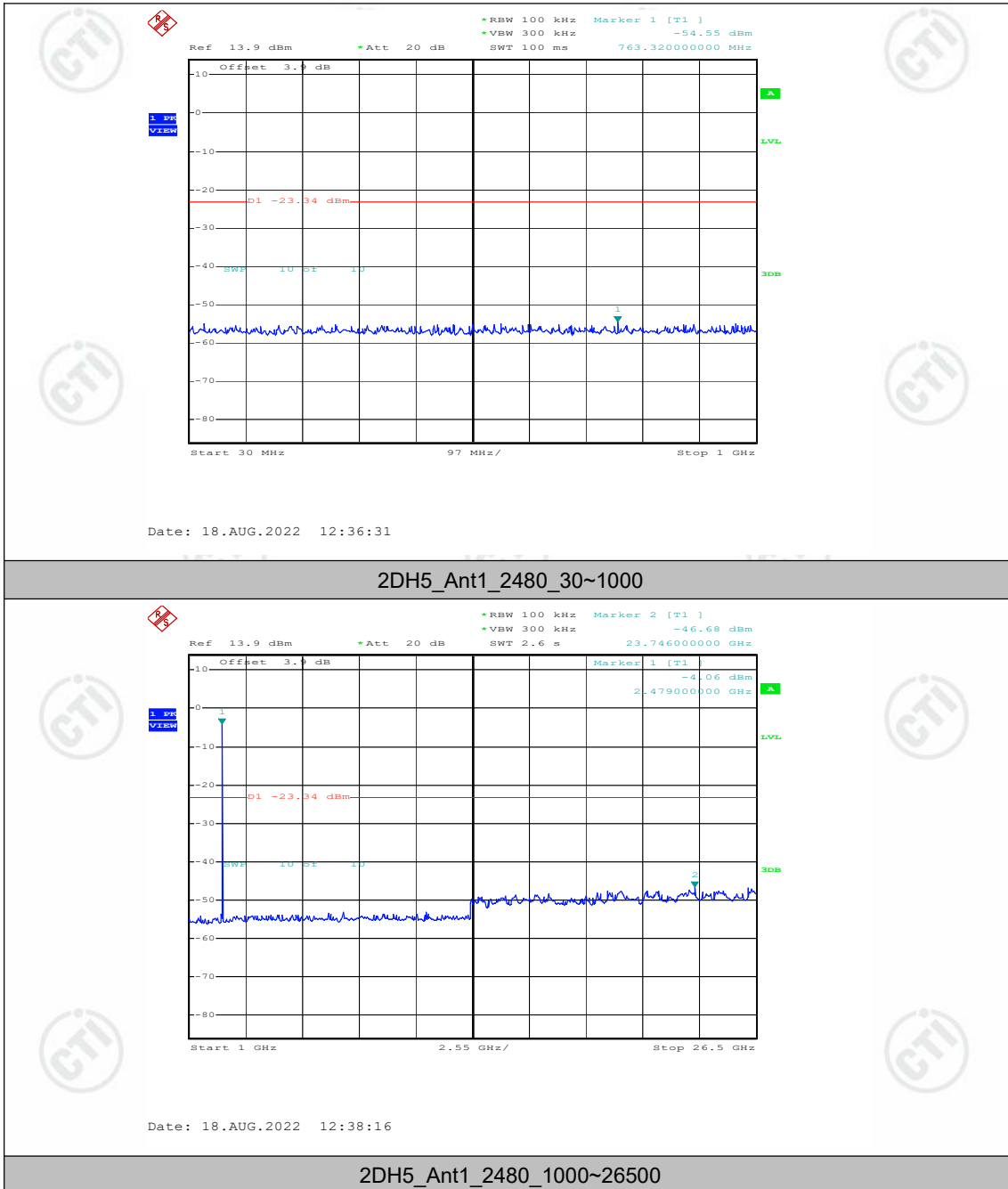


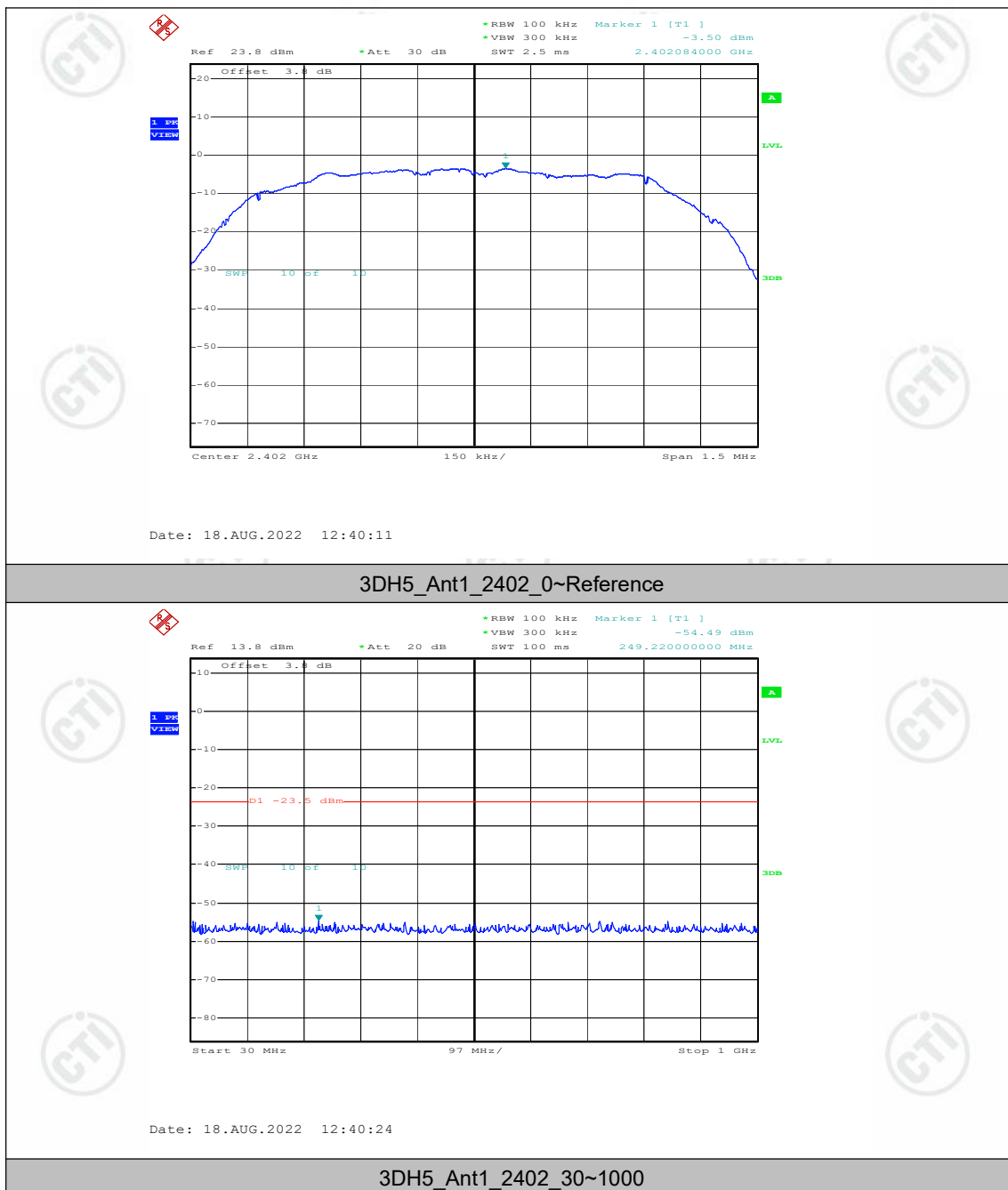


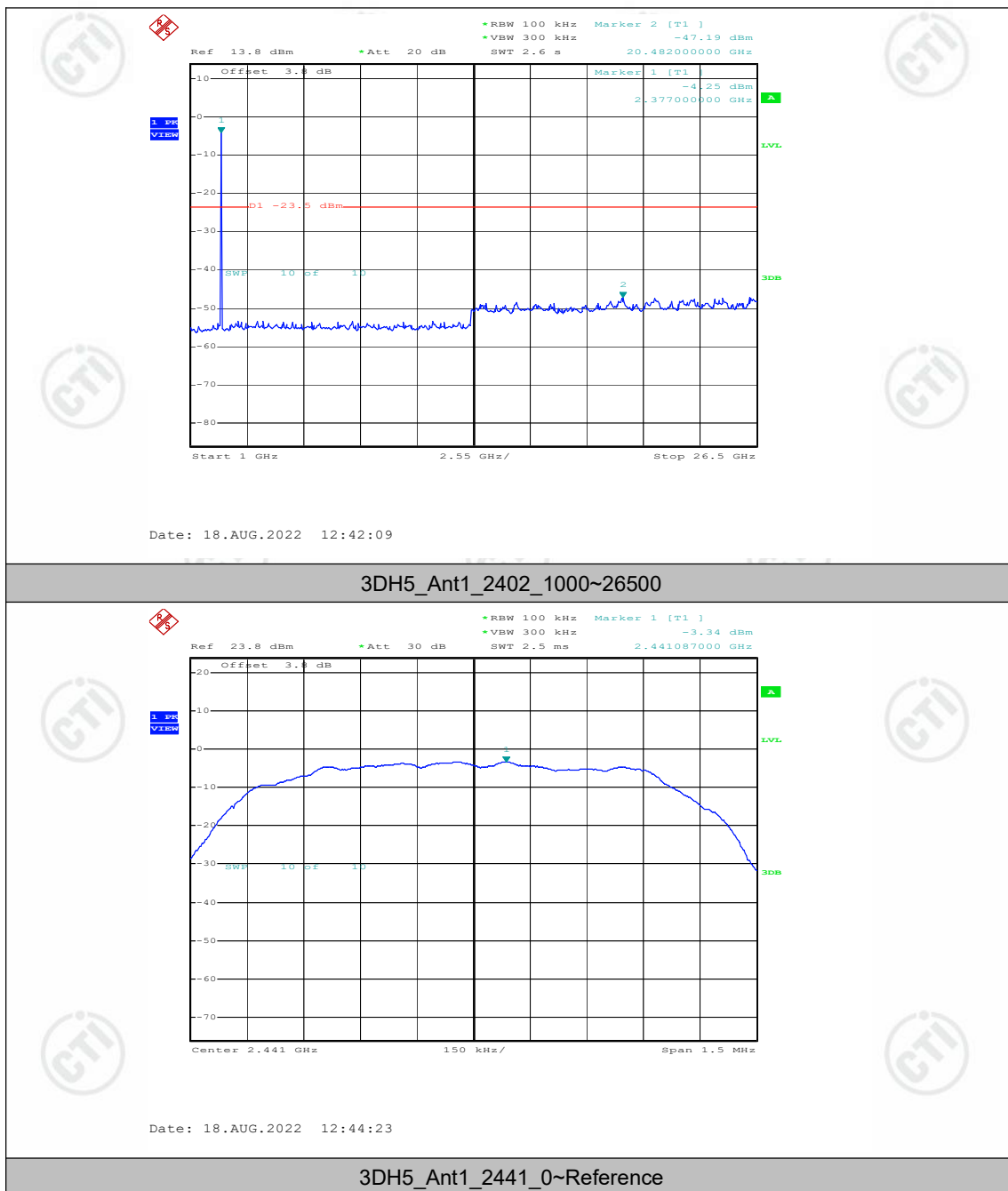




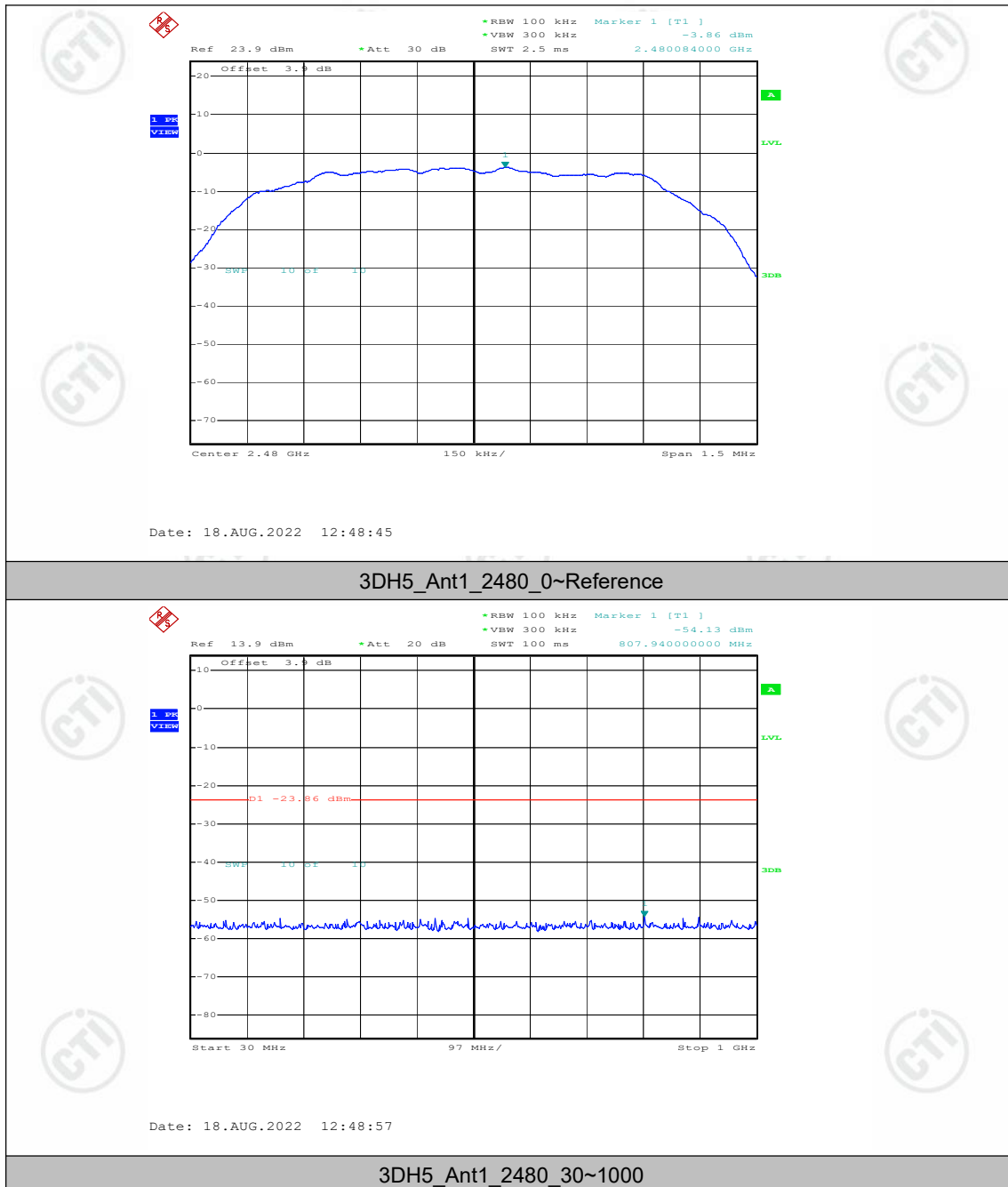


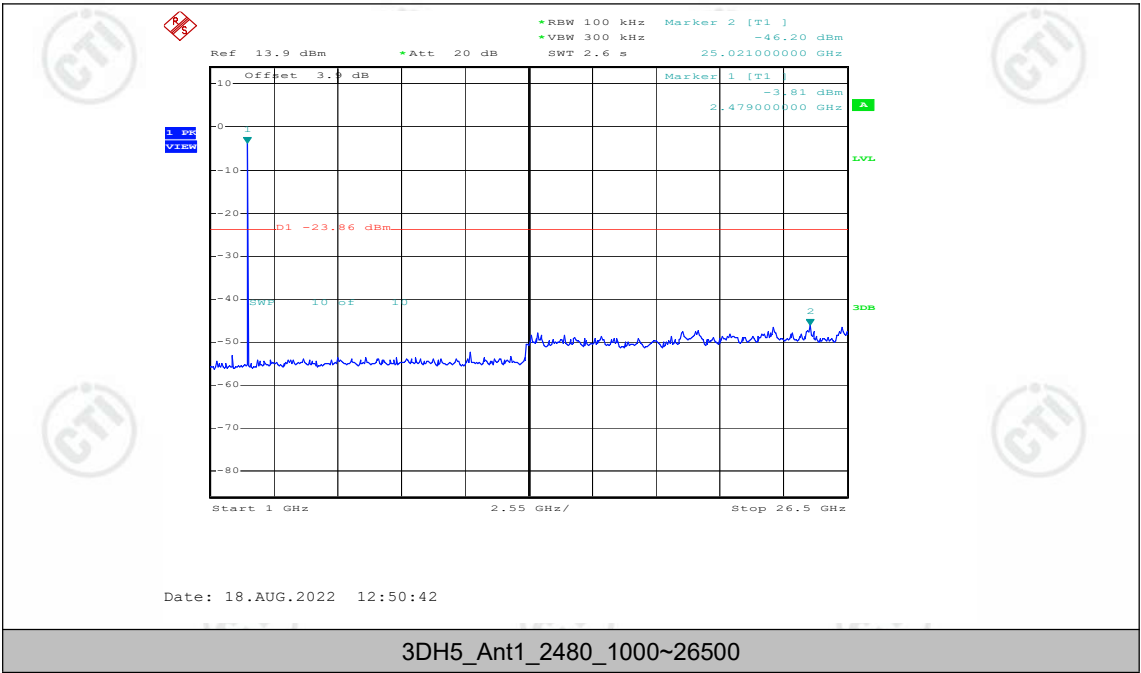








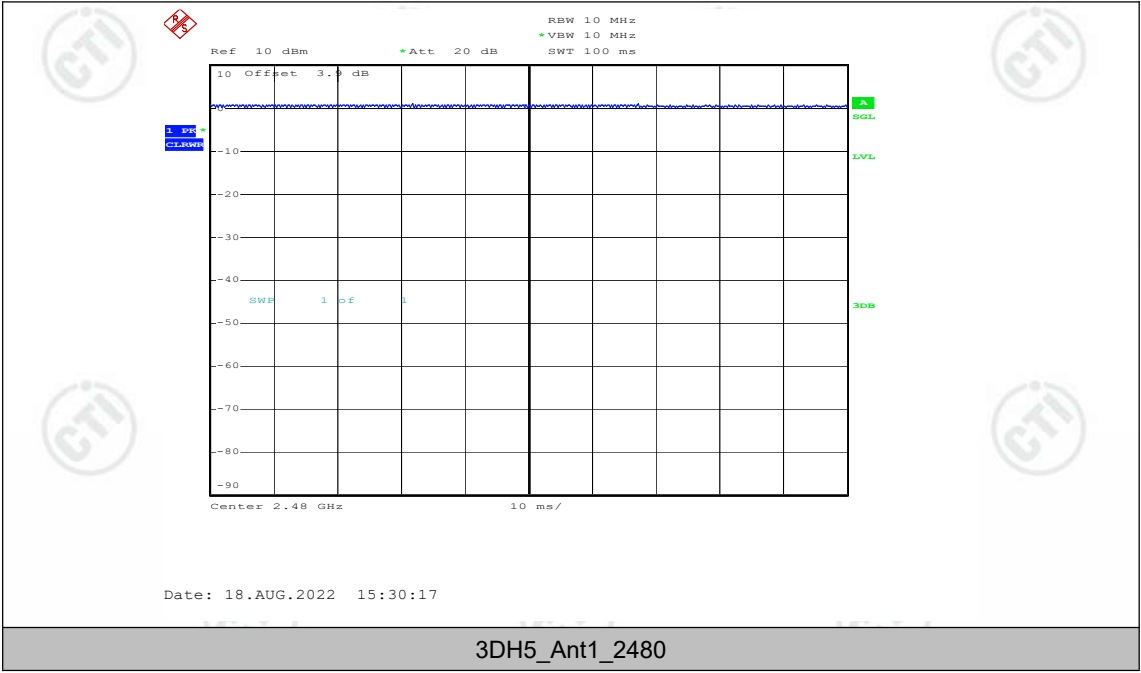




Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	100.00	100.00	100.00	0.00
		2441	100.00	100.00	100.00	0.00
		2480	100.00	100.00	100.00	0.00
2DH5	Ant1	2402	100.00	100.00	100.00	0.00
		2441	100.00	100.00	100.00	0.00
		2480	100.00	100.00	100.00	0.00
3DH5	Ant1	2402	100.00	100.00	100.00	0.00
		2441	100.00	100.00	100.00	0.00
		2480	100.00	100.00	100.00	0.00



*** End of Report ***