

Appendix Bluetooth Classic

Contents

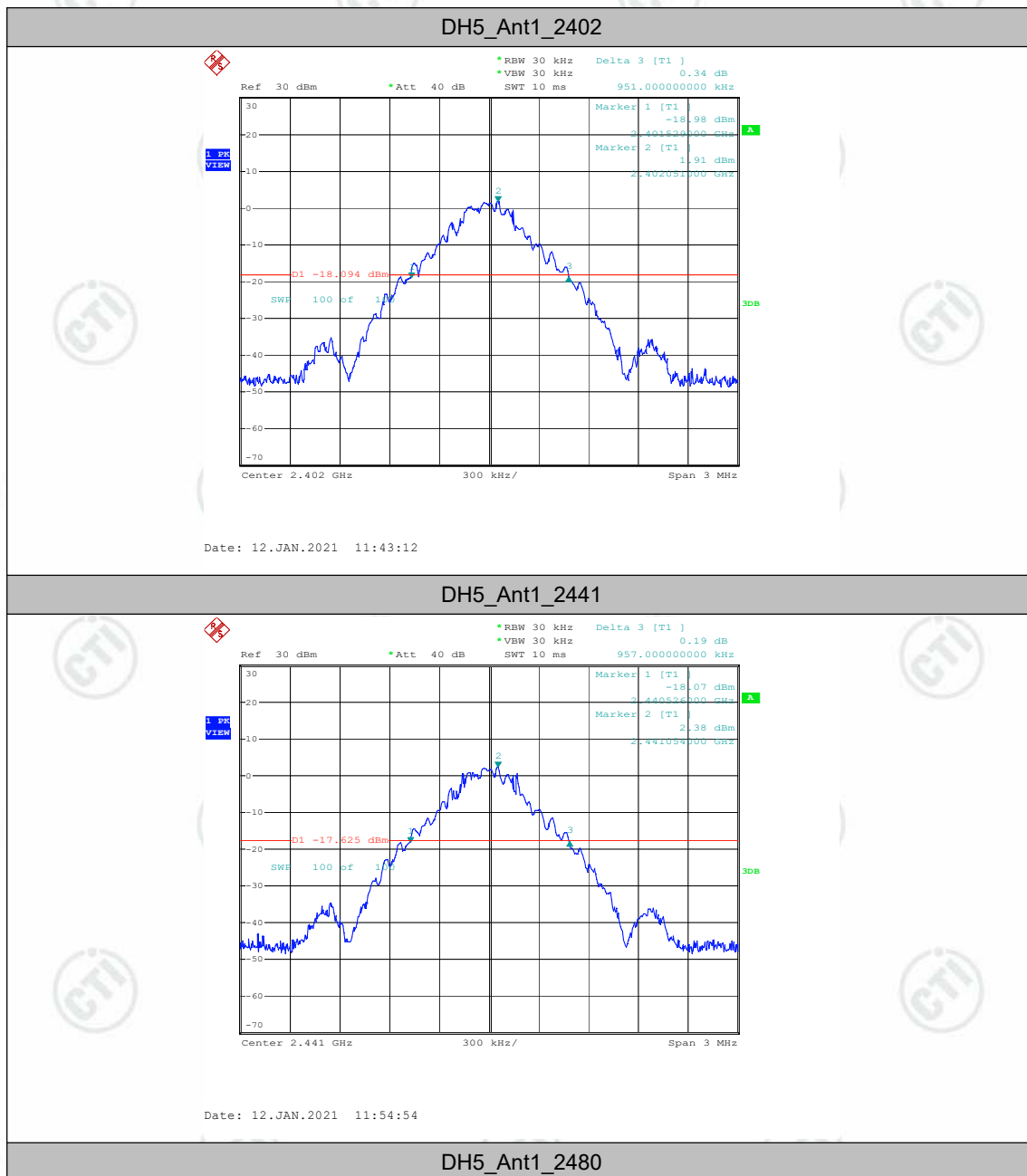
AppendixA: 20dBEmission Bandwidth.....	3
Test Result.....	3
Test Graphs.....	4
AppendixB: Occupied Channel Bandwidth.....	9
Test Result.....	9
Test Graphs.....	10
AppendixC: Maximum conducted output power.....	15
Test Result.....	15
Test Graphs.....	16
AppendixD: Carrier frequency separation.....	21
Test Result.....	21
Test Graphs.....	22
AppendixE: Time of occupancy.....	24
Test Result.....	24
Test Graphs.....	25
AppendixF: Number of hopping channels.....	34
Test Result.....	34
Test Graphs.....	35
AppendixG: Band edge measurements.....	37
Test Result.....	37
Test Graphs.....	38
AppendixH: Conducted SpuriousEmission.....	44
Test Result.....	44
Test Graphs.....	45
AppendixI: DutyCycle.....	59
Test Result.....	59
Test Graphs.....	60

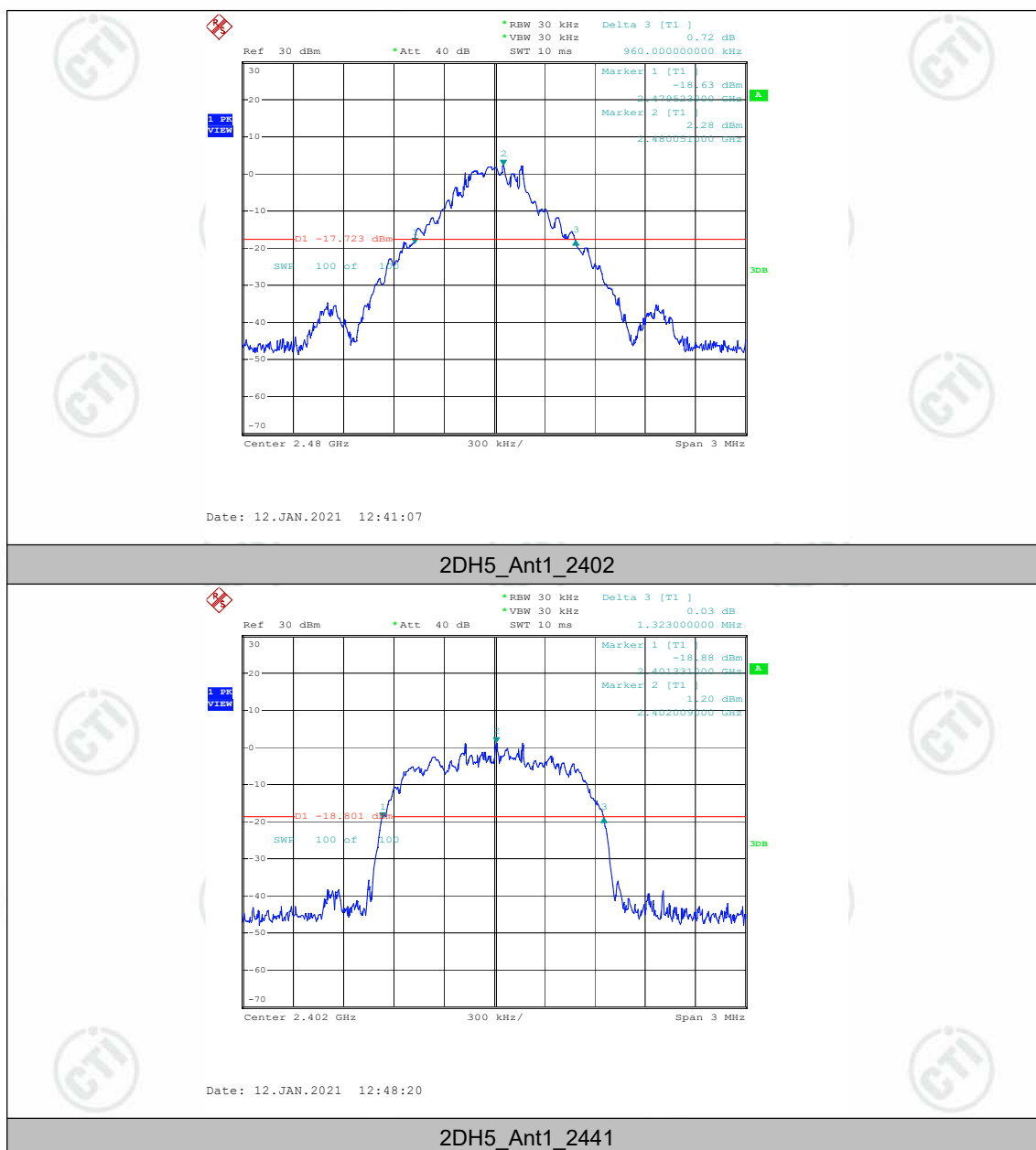
AppendixA: 20dBEmission Bandwidth

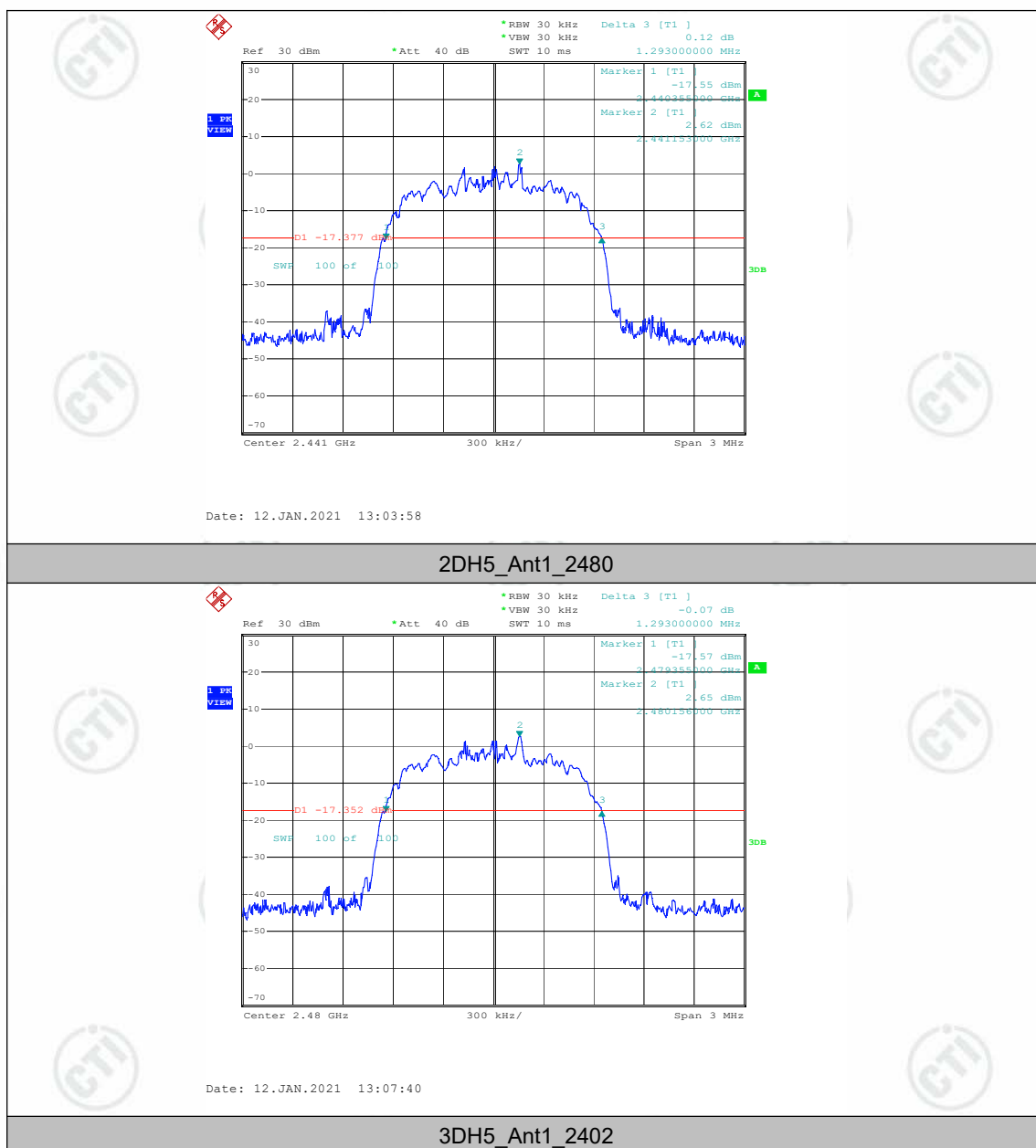
Test Result

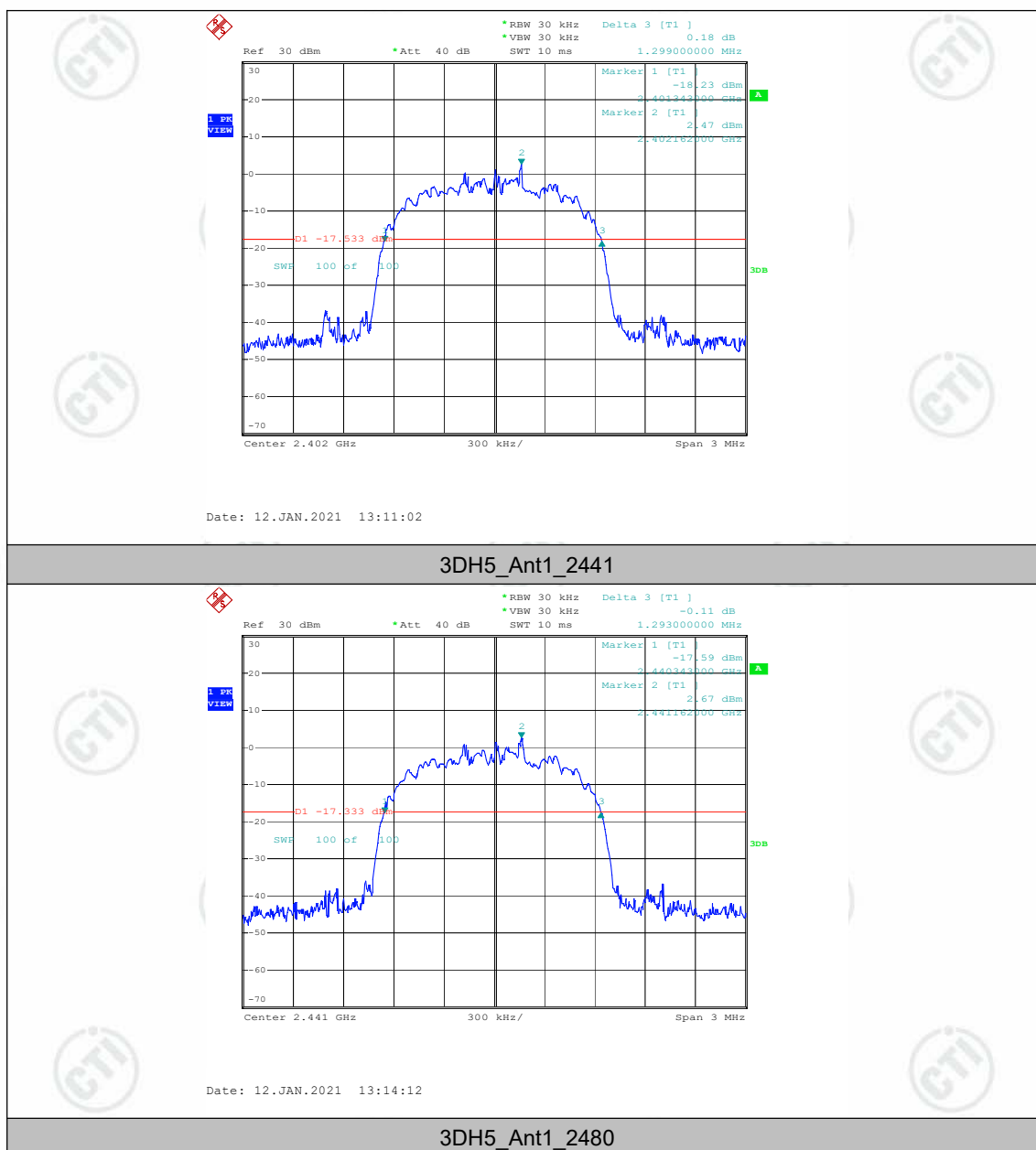
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.951	2401.529	2402.480	---	PASS
		2441	0.957	2440.526	2441.483	---	PASS
		2480	0.960	2479.523	2480.483	---	PASS
2DH5	Ant1	2402	1.323	2401.331	2402.654	---	PASS
		2441	1.293	2440.355	2441.648	---	PASS
		2480	1.293	2479.355	2480.648	---	PASS
3DH5	Ant1	2402	1.299	2401.343	2402.642	---	PASS
		2441	1.293	2440.343	2441.636	---	PASS
		2480	1.287	2479.343	2480.630	---	PASS

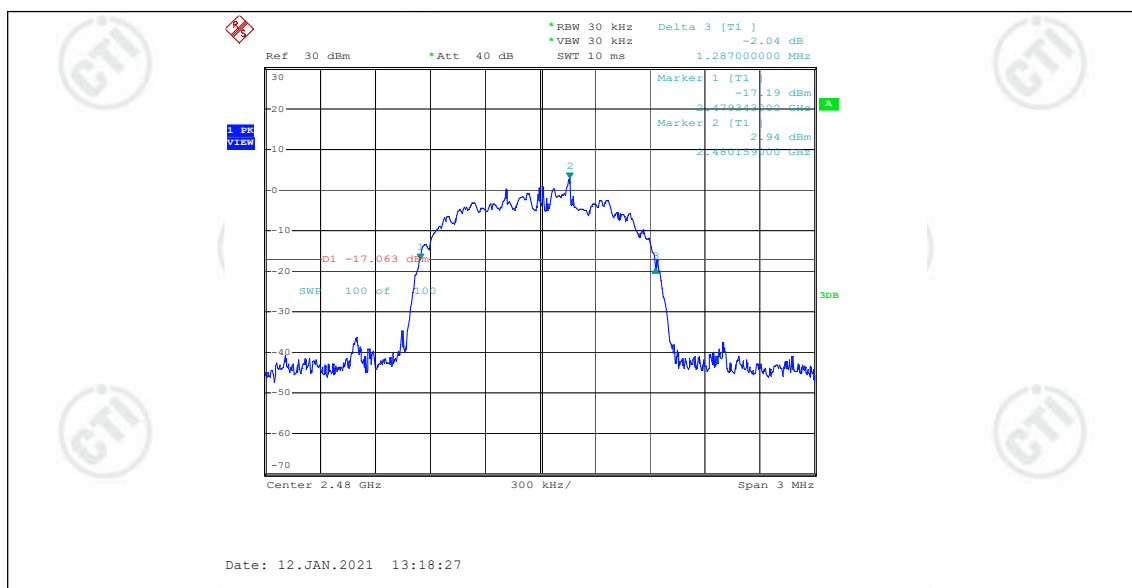
Test Graphs









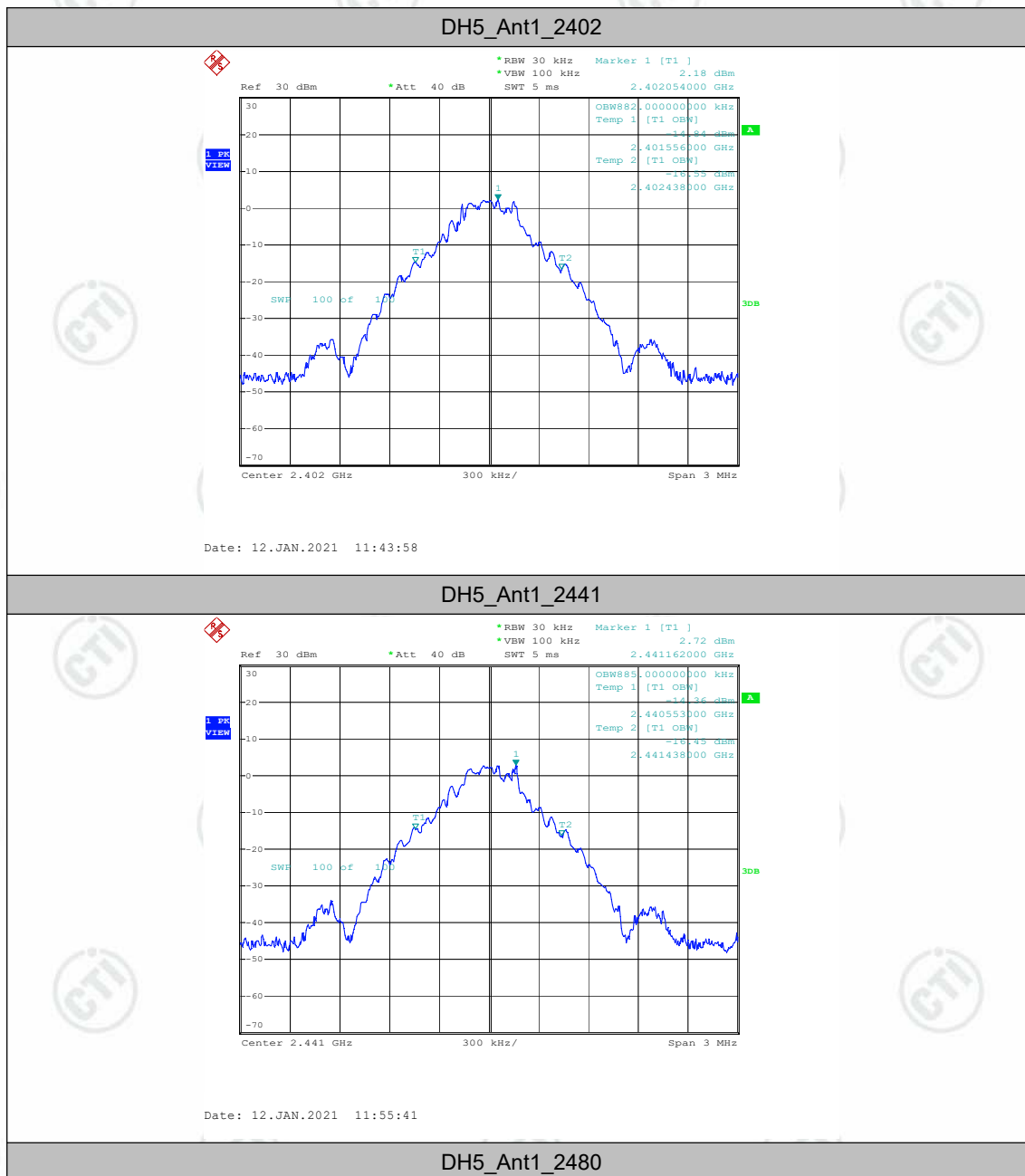


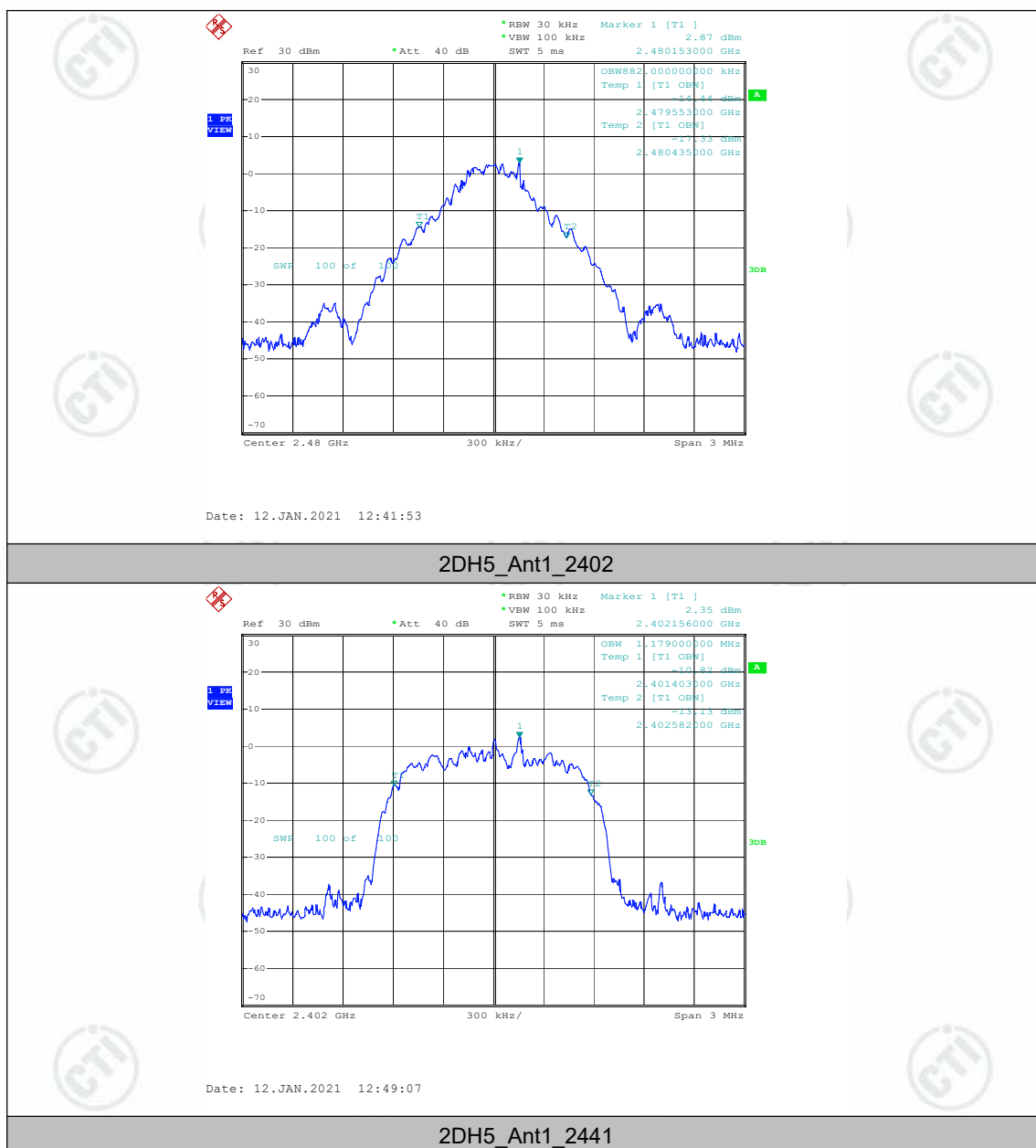
AppendixB: Occupied Channel Bandwidth

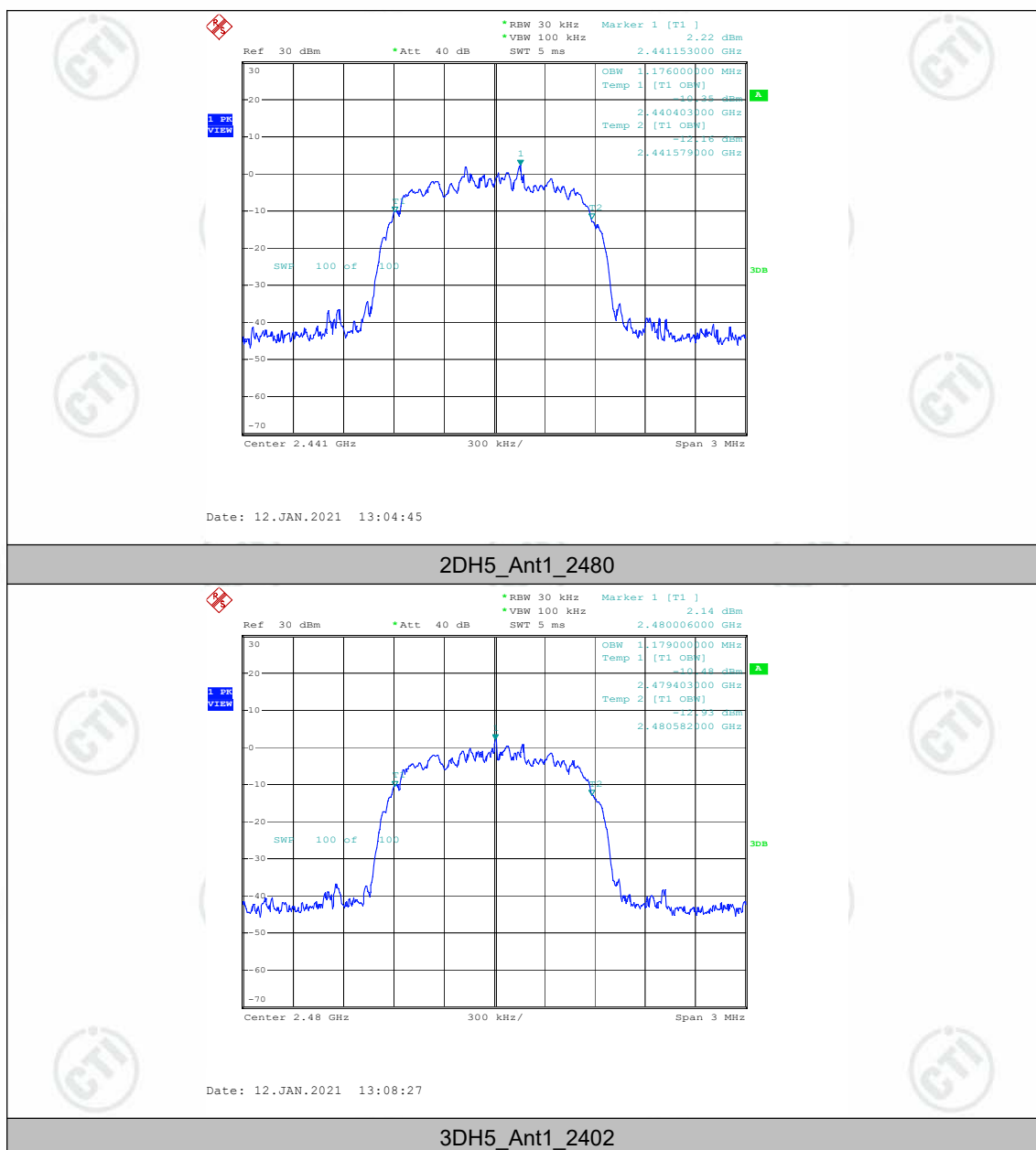
Test Result

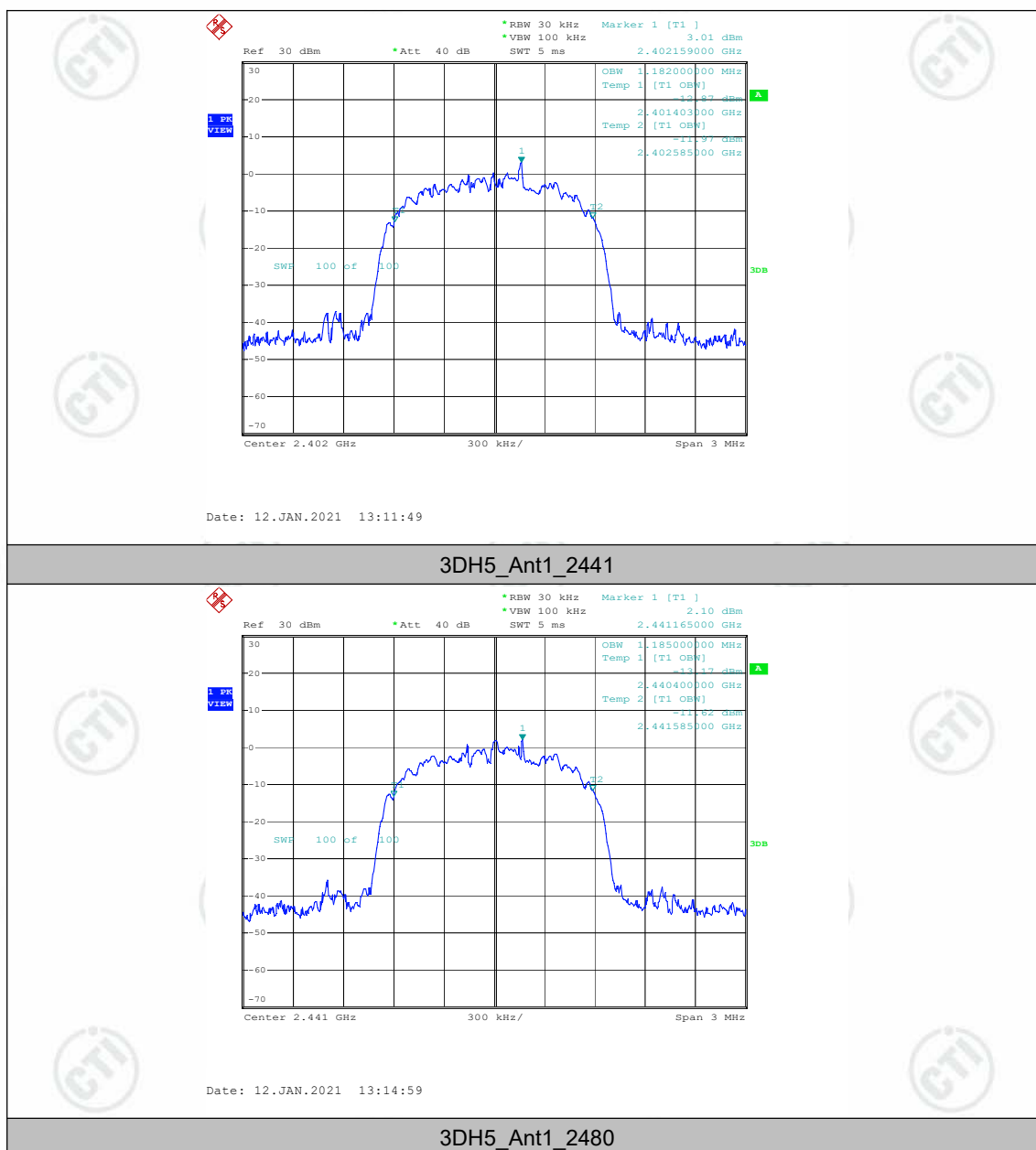
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.882	0.000	0.000	---	PASS
		2441	0.885	0.000	0.000	---	PASS
		2480	0.882	0.000	0.000	---	PASS
2DH5	Ant1	2402	1.179	0.000	0.000	---	PASS
		2441	1.176	0.000	0.000	---	PASS
		2480	1.179	0.000	0.000	---	PASS
3DH5	Ant1	2402	1.182	0.000	0.000	---	PASS
		2441	1.185	0.000	0.000	---	PASS
		2480	1.185	0.000	0.000	---	PASS

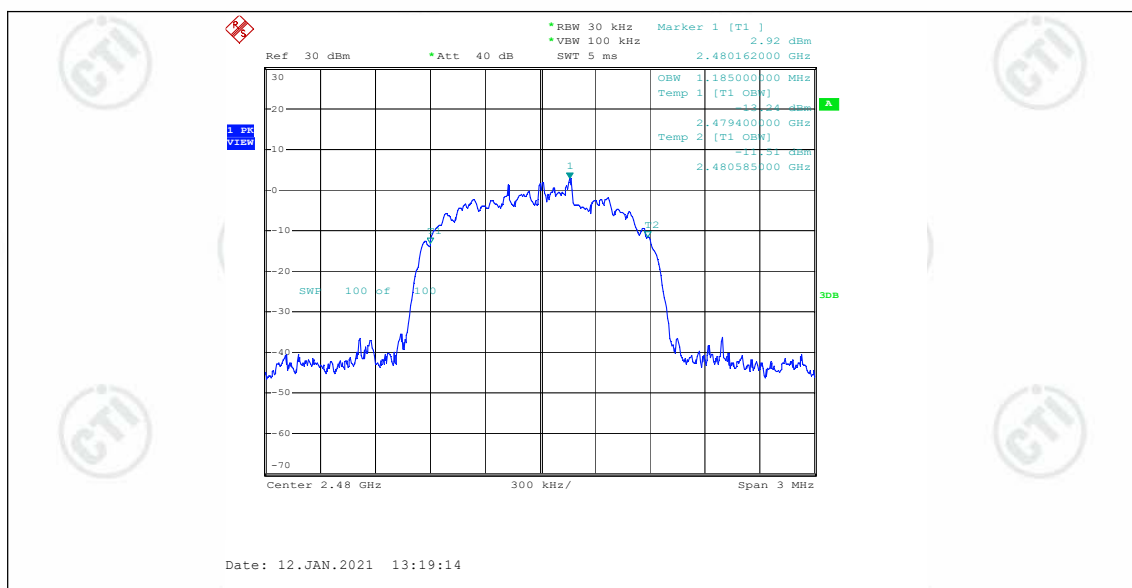
Test Graphs











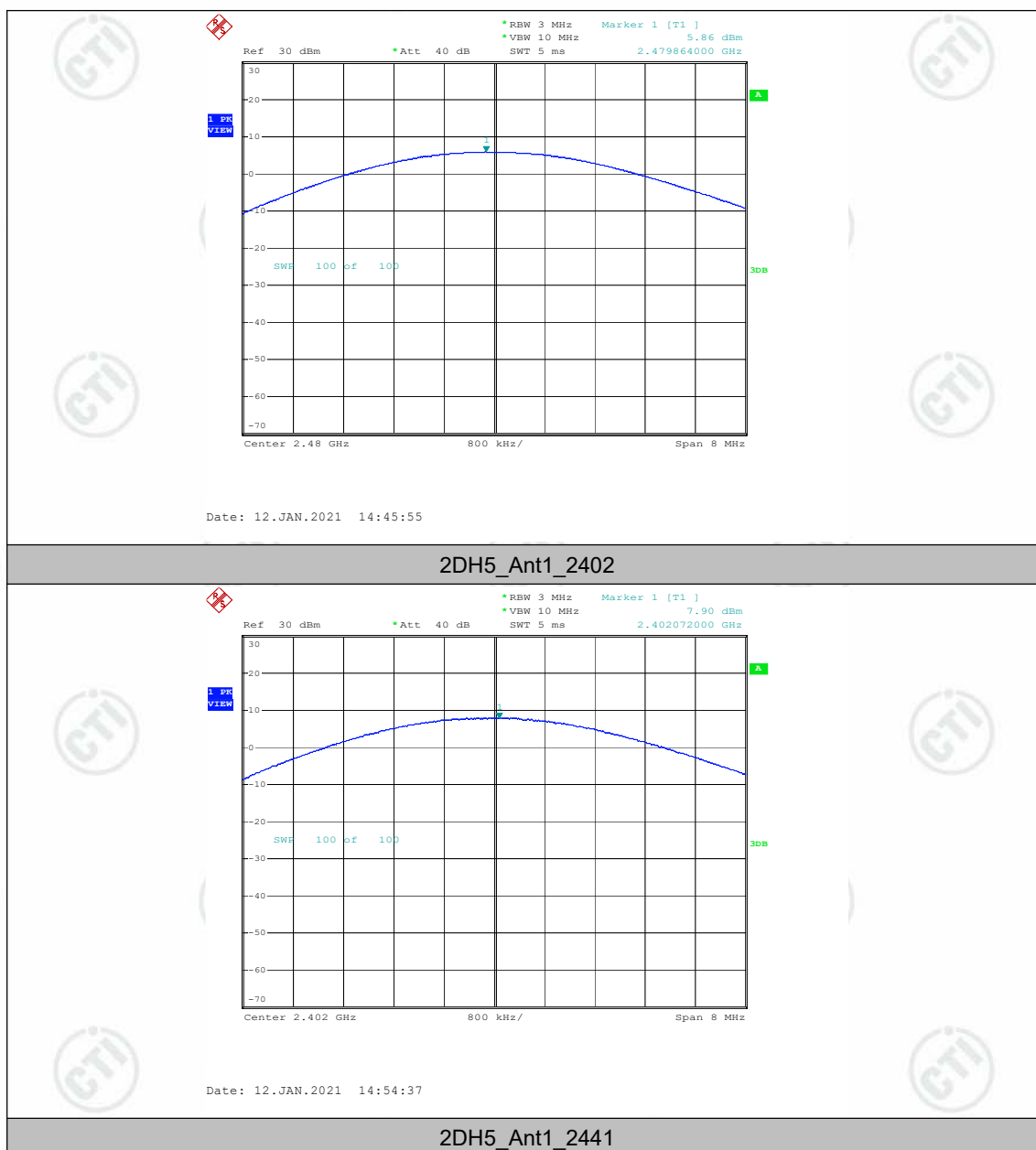
AppendixC: Maximum conducted output power

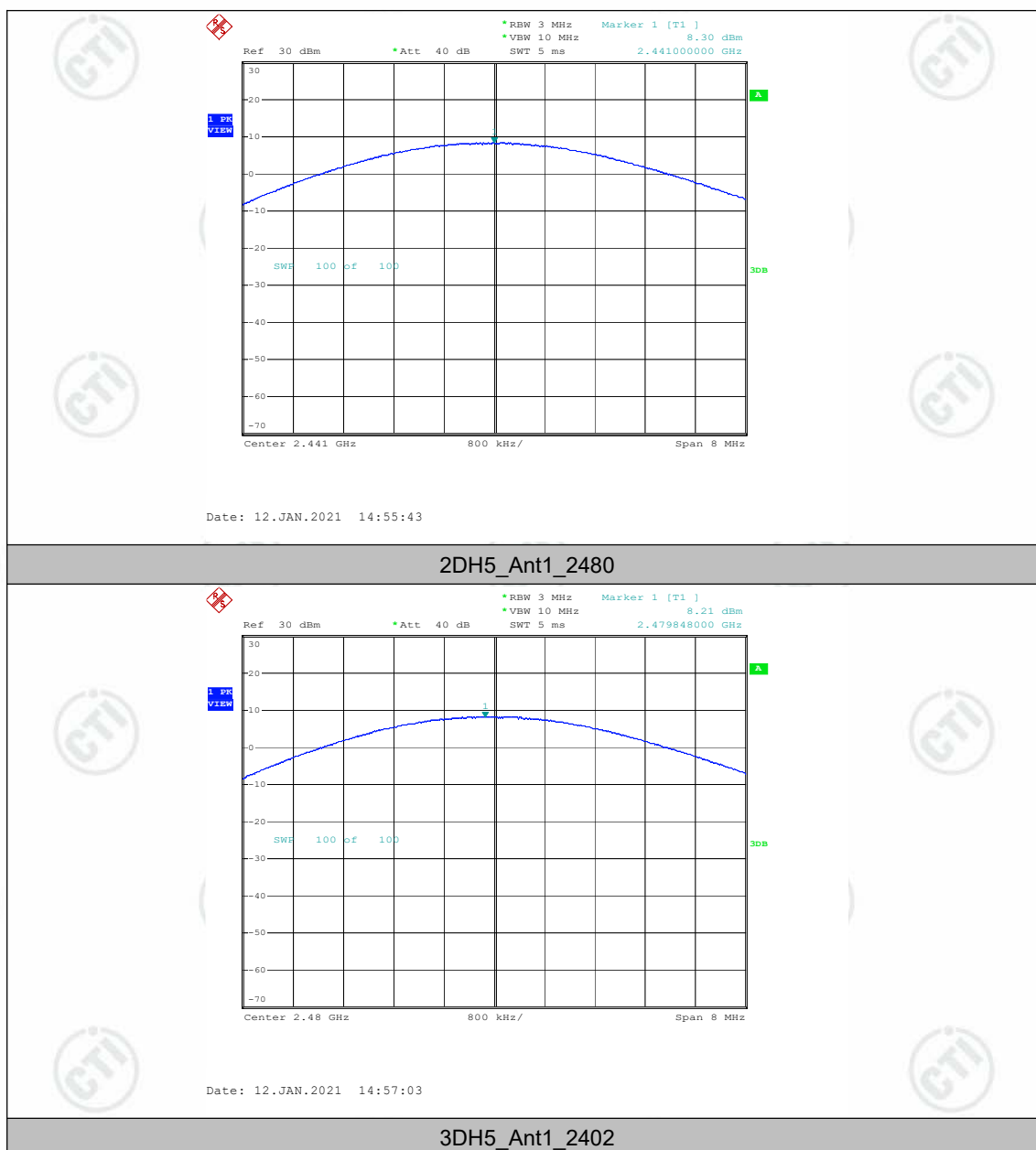
Test Result

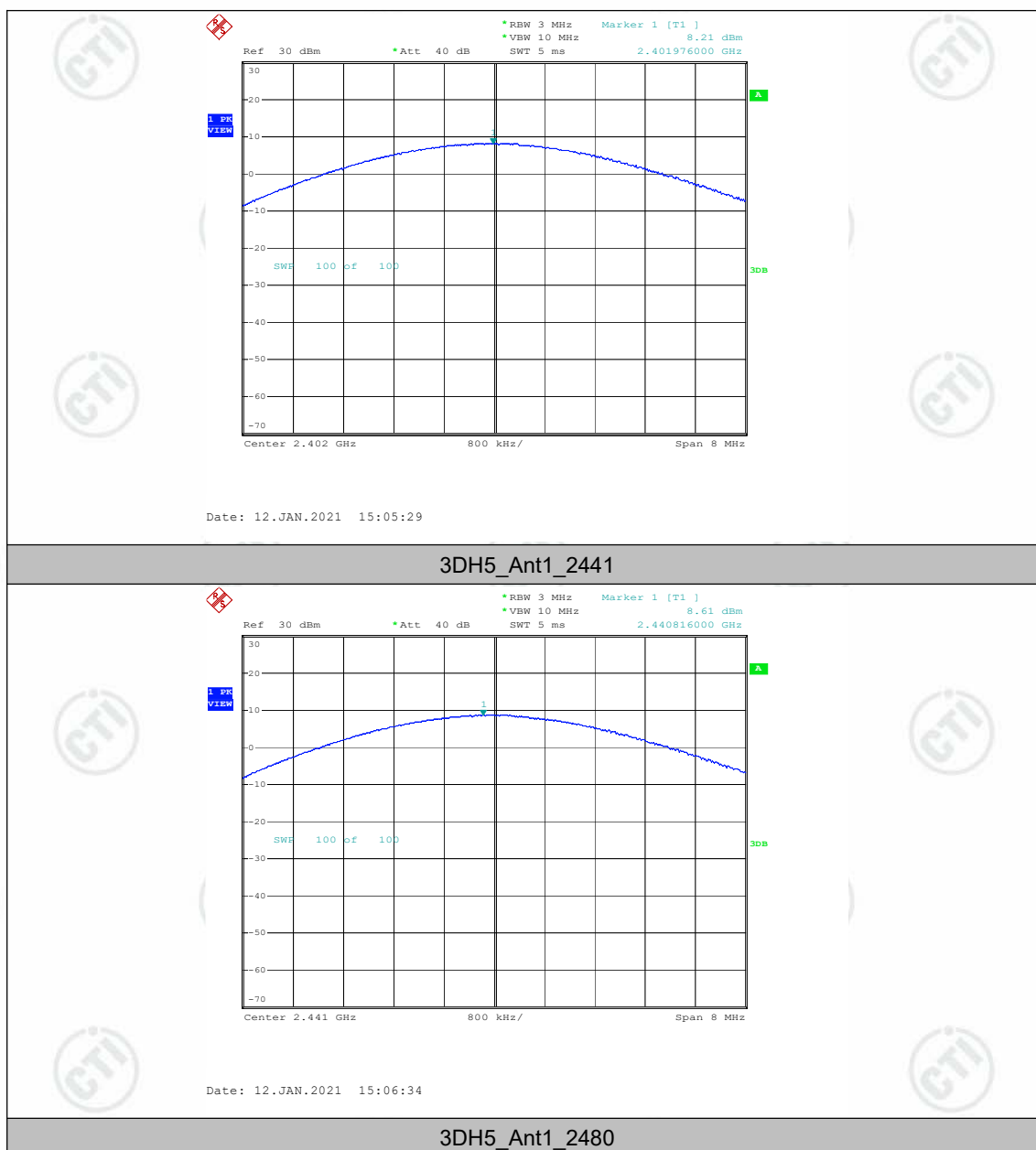
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	5.4	<=30	PASS
		2441	5.89	<=30	PASS
		2480	5.86	<=30	PASS
2DH5	Ant1	2402	7.9	<=20.97	PASS
		2441	8.3	<=20.97	PASS
		2480	8.21	<=20.97	PASS
3DH5	Ant1	2402	8.21	<=20.97	PASS
		2441	8.61	<=20.97	PASS
		2480	8.48	<=20.97	PASS

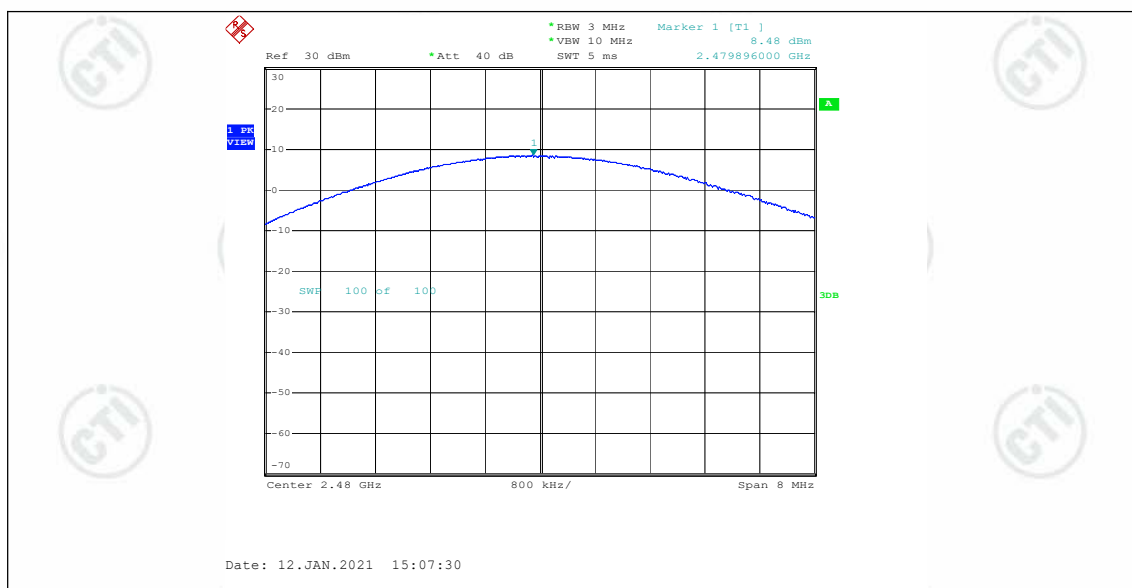
Test Graphs









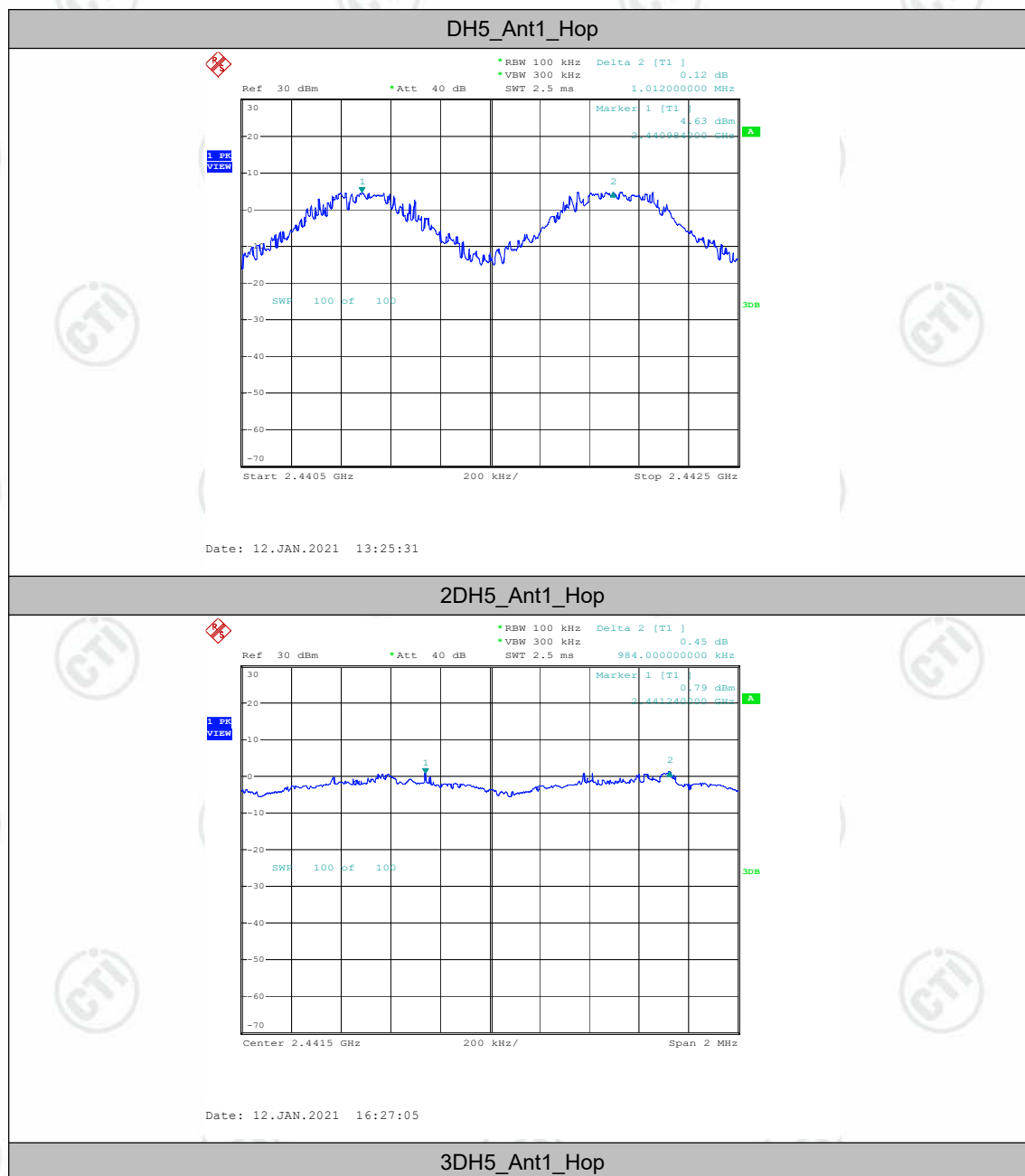


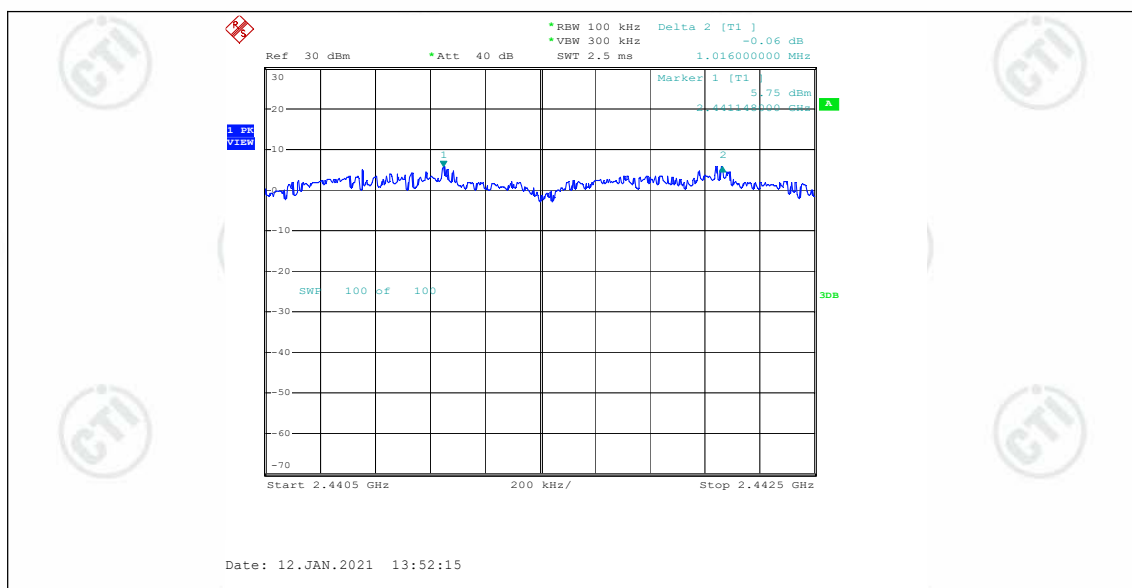
AppendixD: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.012	≥ 0.960	PASS
2DH5	Ant1	Hop	0.984	≥ 0.882	PASS
3DH5	Ant1	Hop	1.016	≥ 0.866	PASS

Test Graphs





AppendixE: Time of occupancy

Test Result

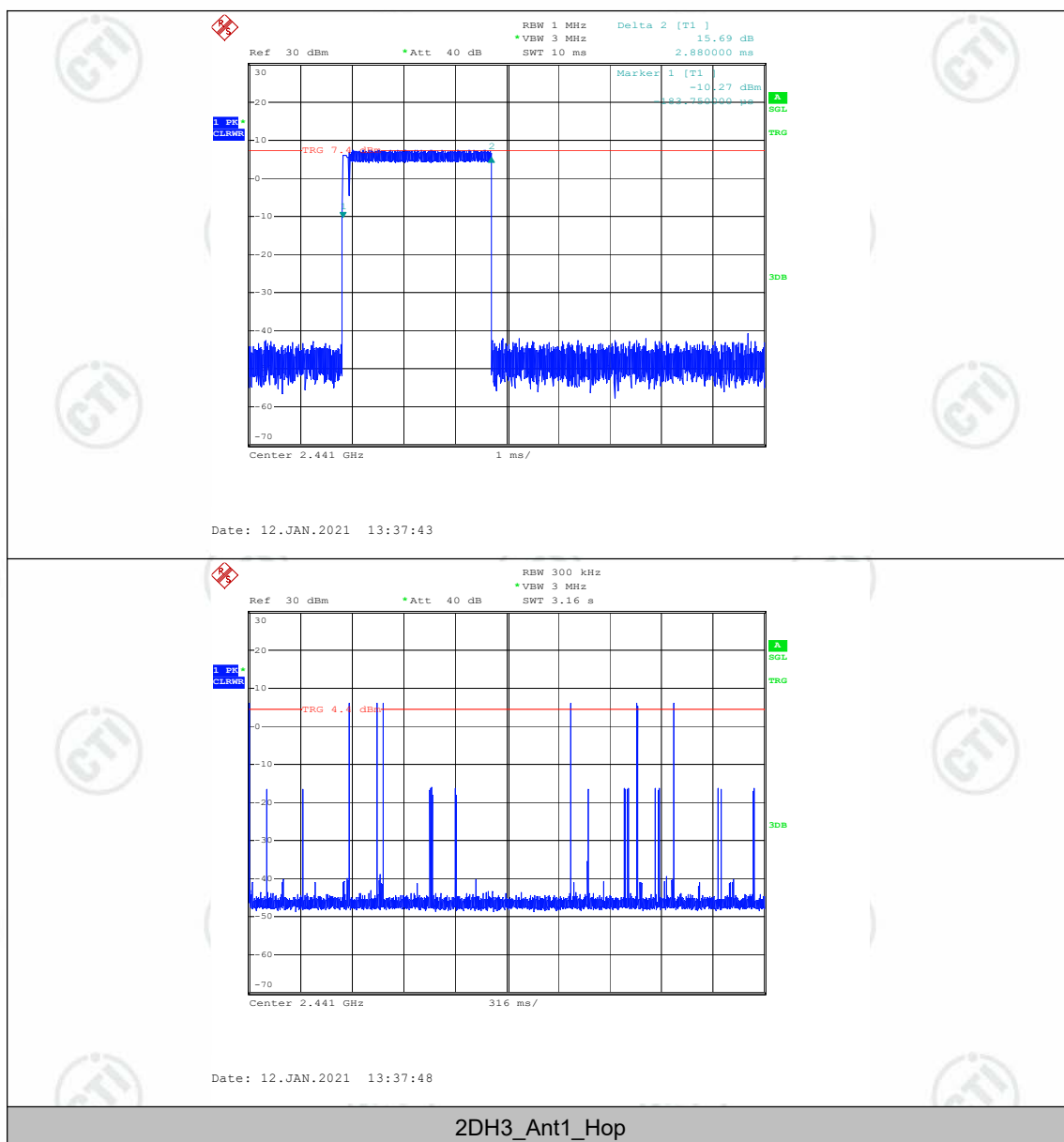
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.01	130	0.001	<=0.4	PASS
DH3	Ant1	Hop	0.03	170	0.005	<=0.4	PASS
DH5	Ant1	Hop	2.88	80	0.23	<=0.4	PASS
2DH1	Ant1	Hop	2.88	70	0.202	<=0.4	PASS
2DH3	Ant1	Hop	2.88	90	0.259	<=0.4	PASS
2DH5	Ant1	Hop	2.88	80	0.23	<=0.4	PASS
3DH1	Ant1	Hop	0.38	140	0.053	<=0.4	PASS
3DH3	Ant1	Hop	1.63	110	0.179	<=0.4	PASS
3DH5	Ant1	Hop	2.88	70	0.202	<=0.4	PASS

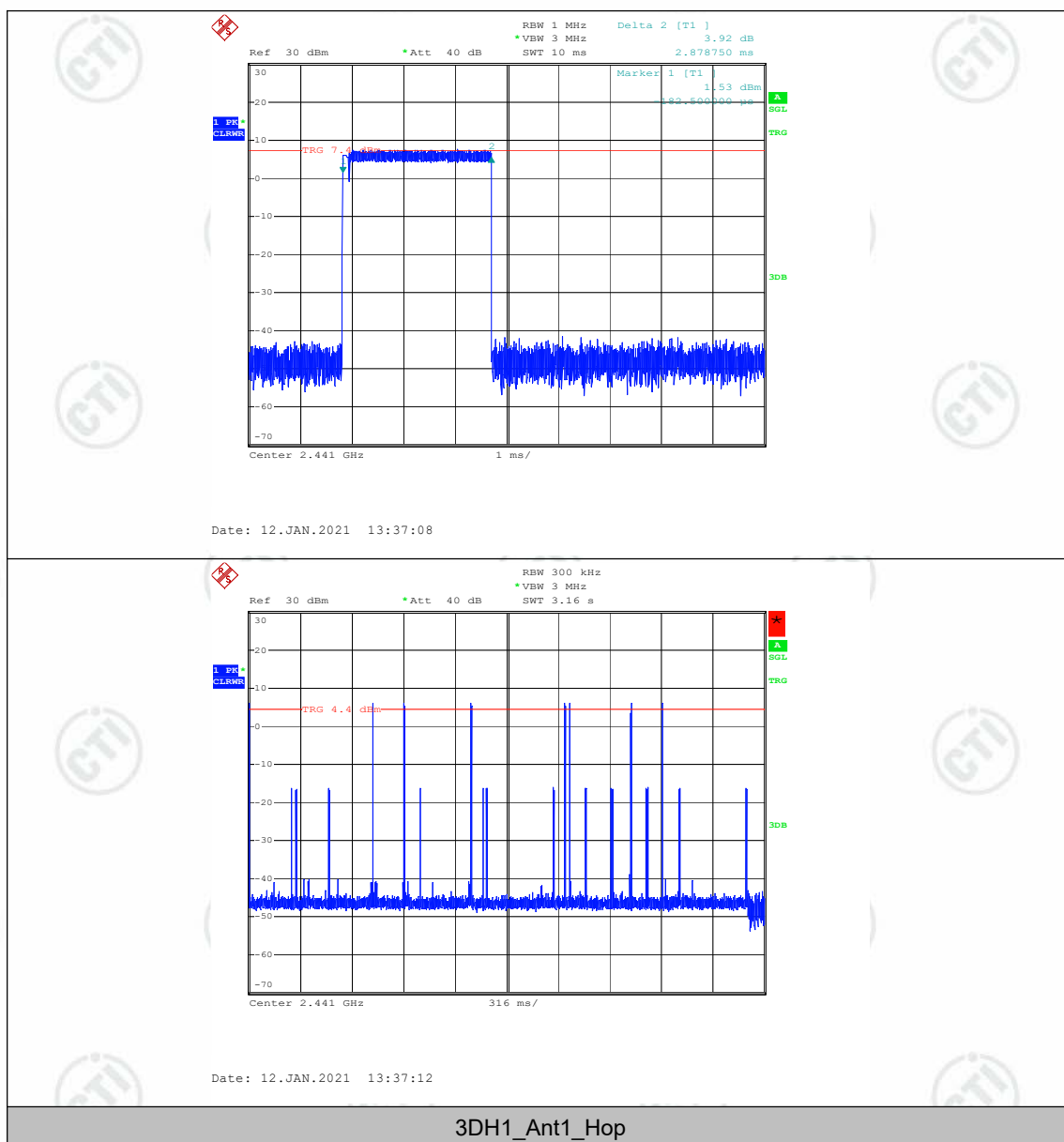
Test Graphs

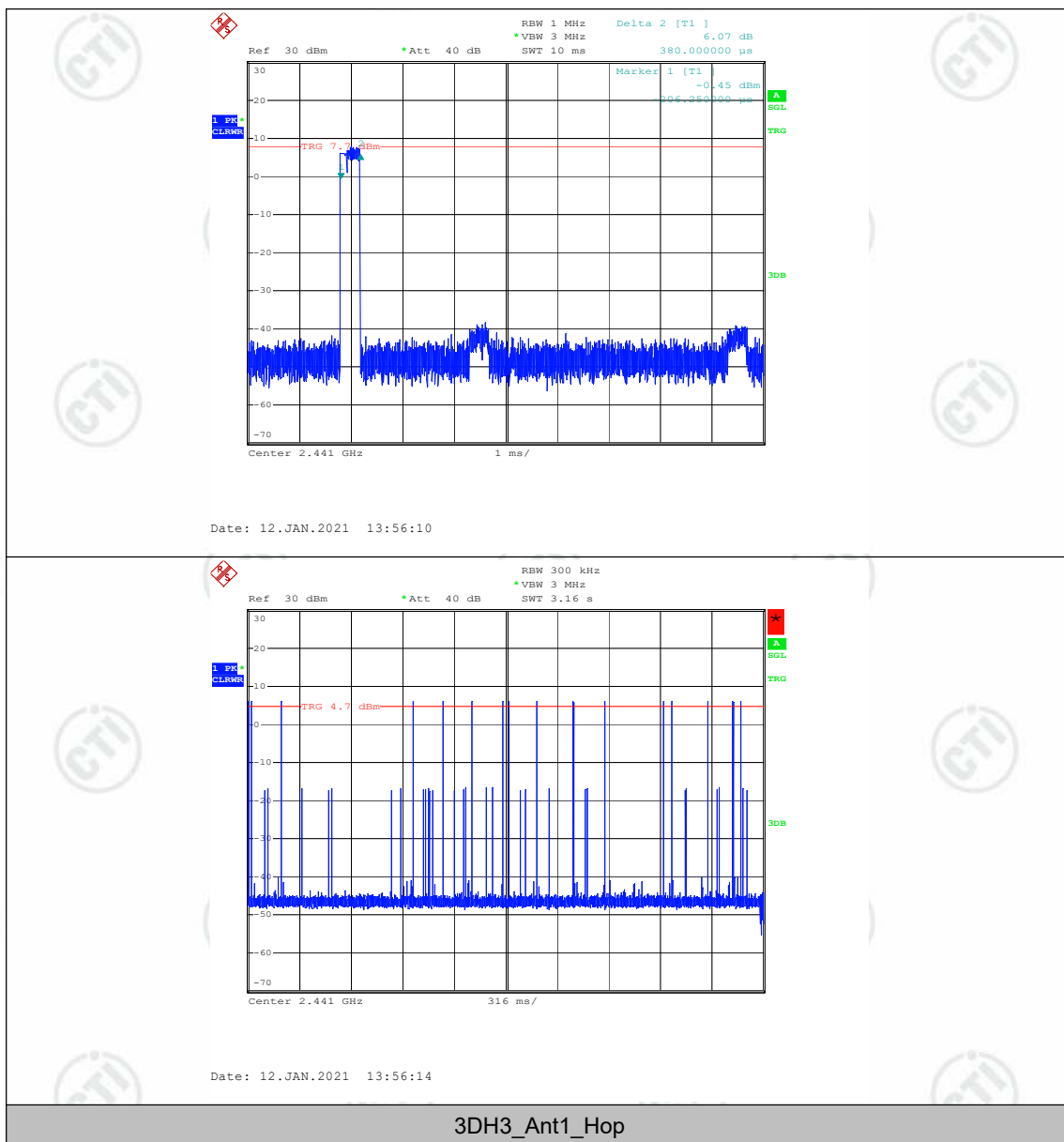




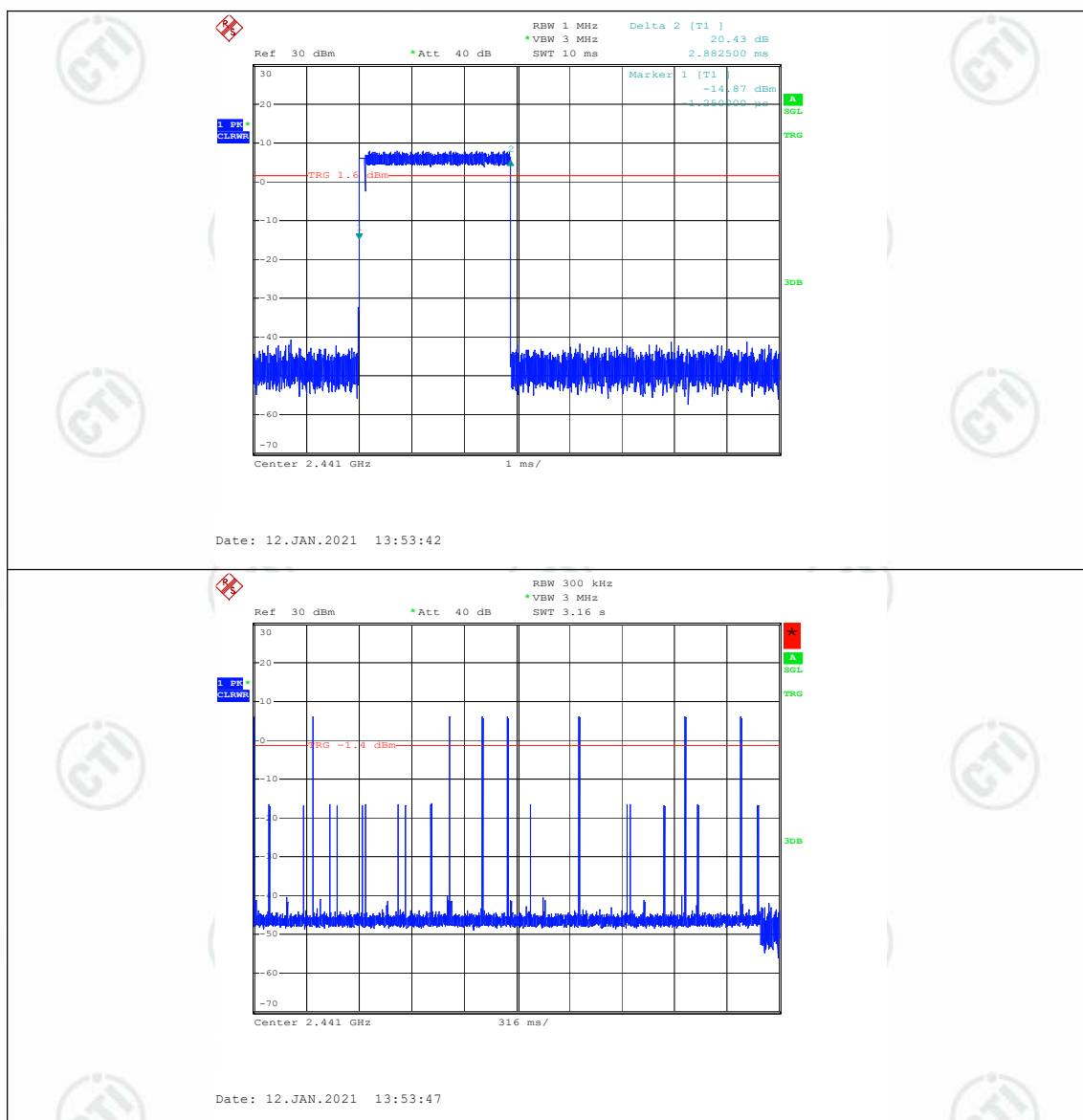










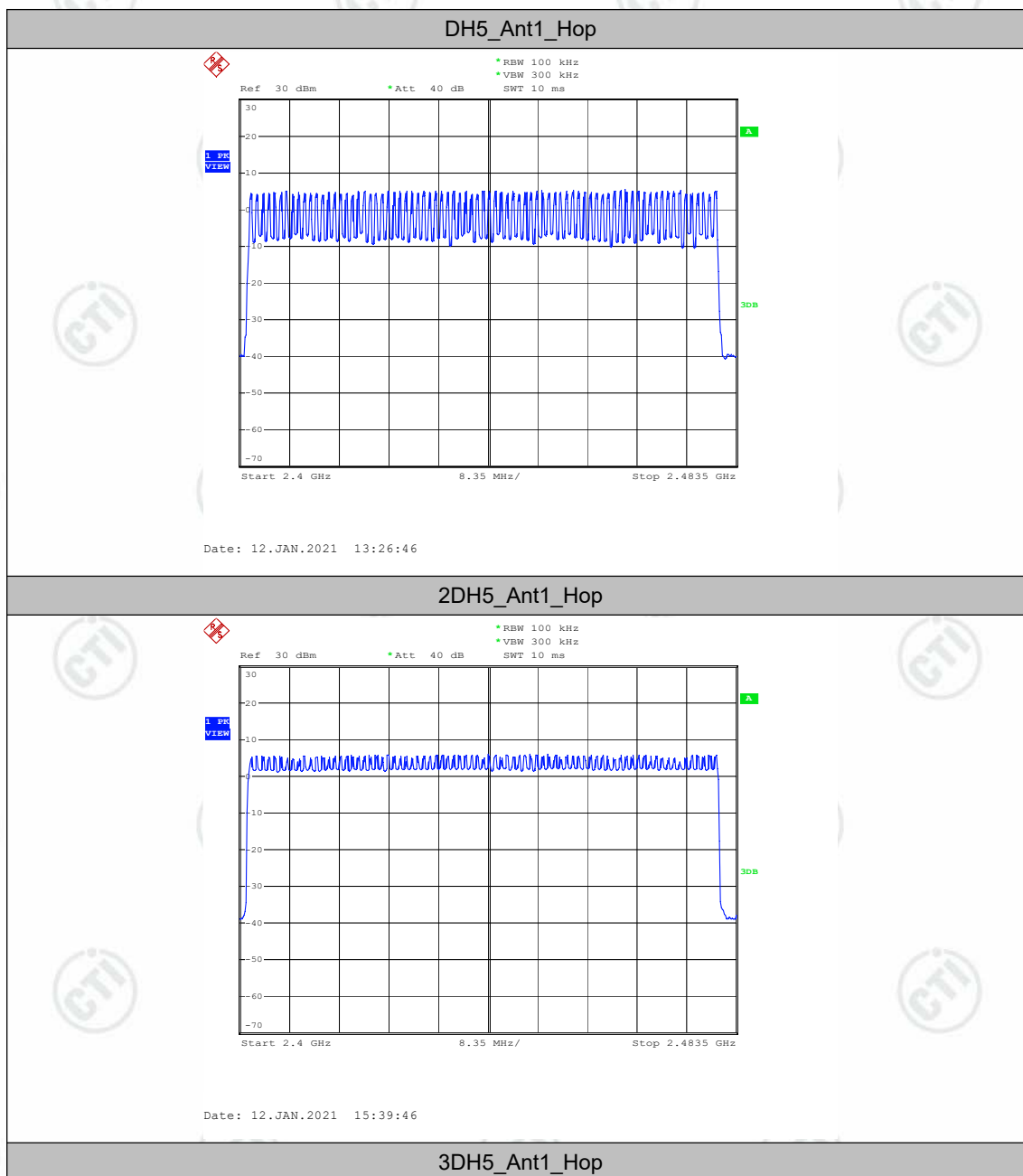


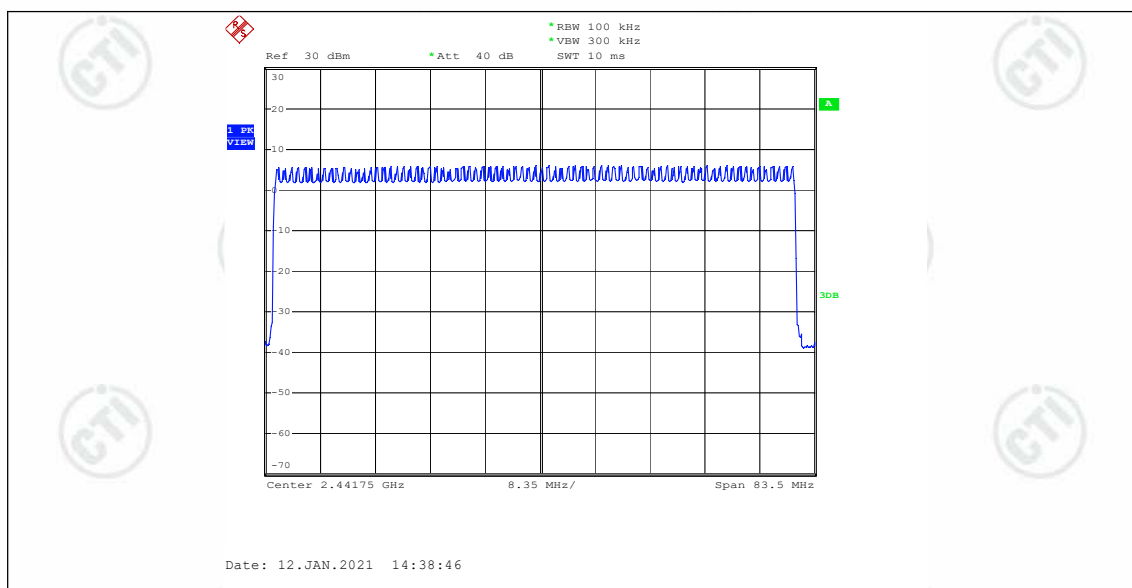
AppendixF: Number of hopping channels

Test Result

TestMode	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



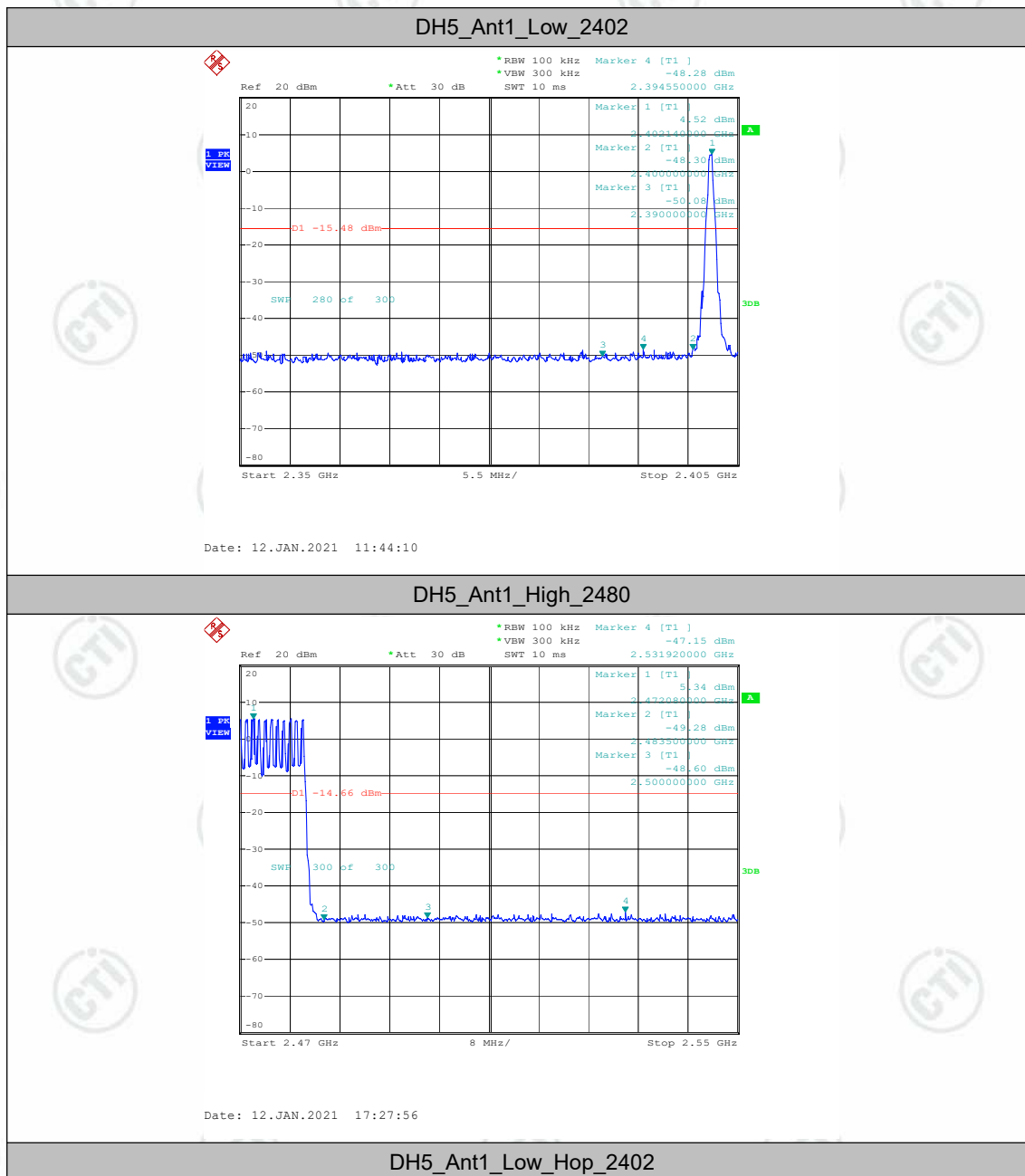


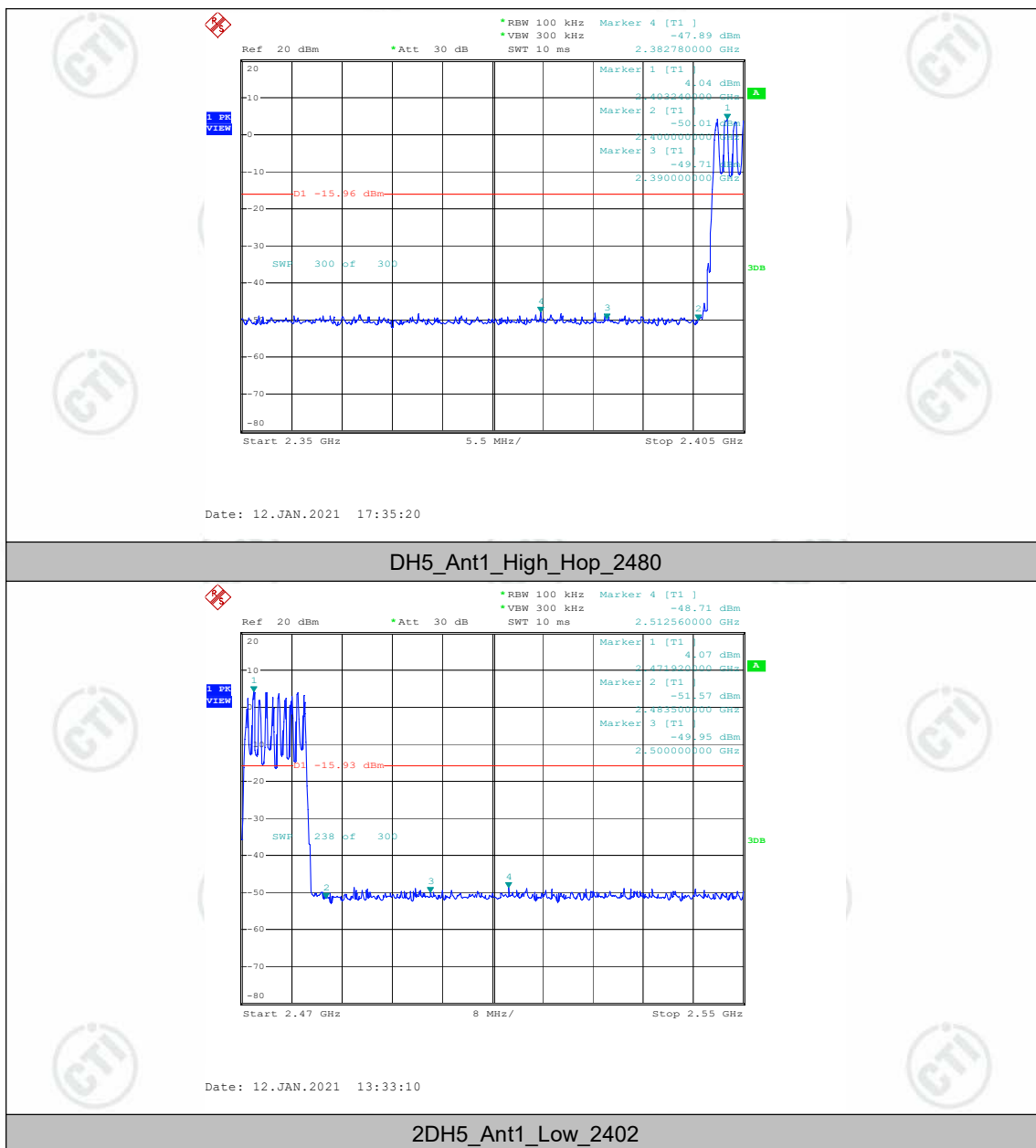
Appendix G: Band edge measurements

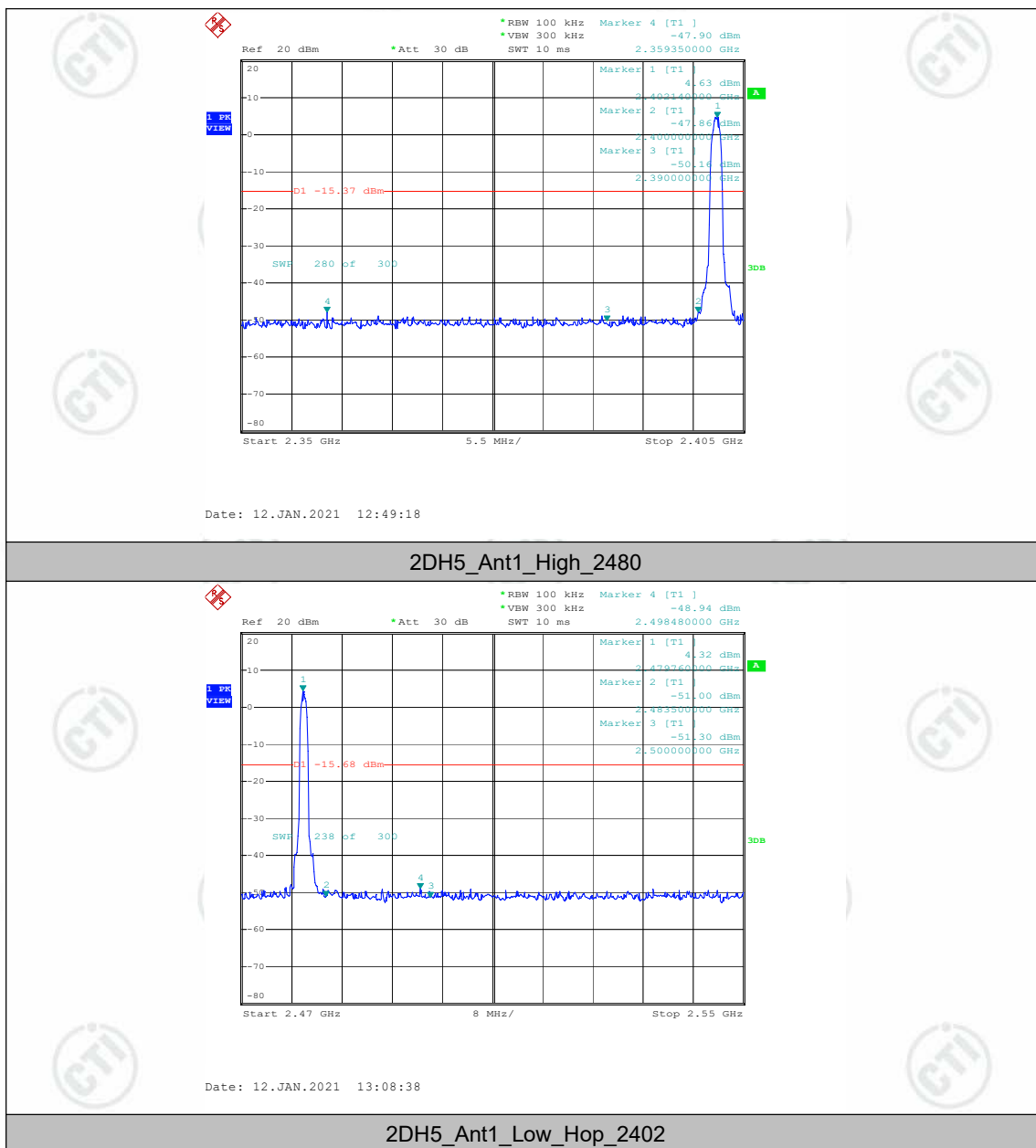
Test Result

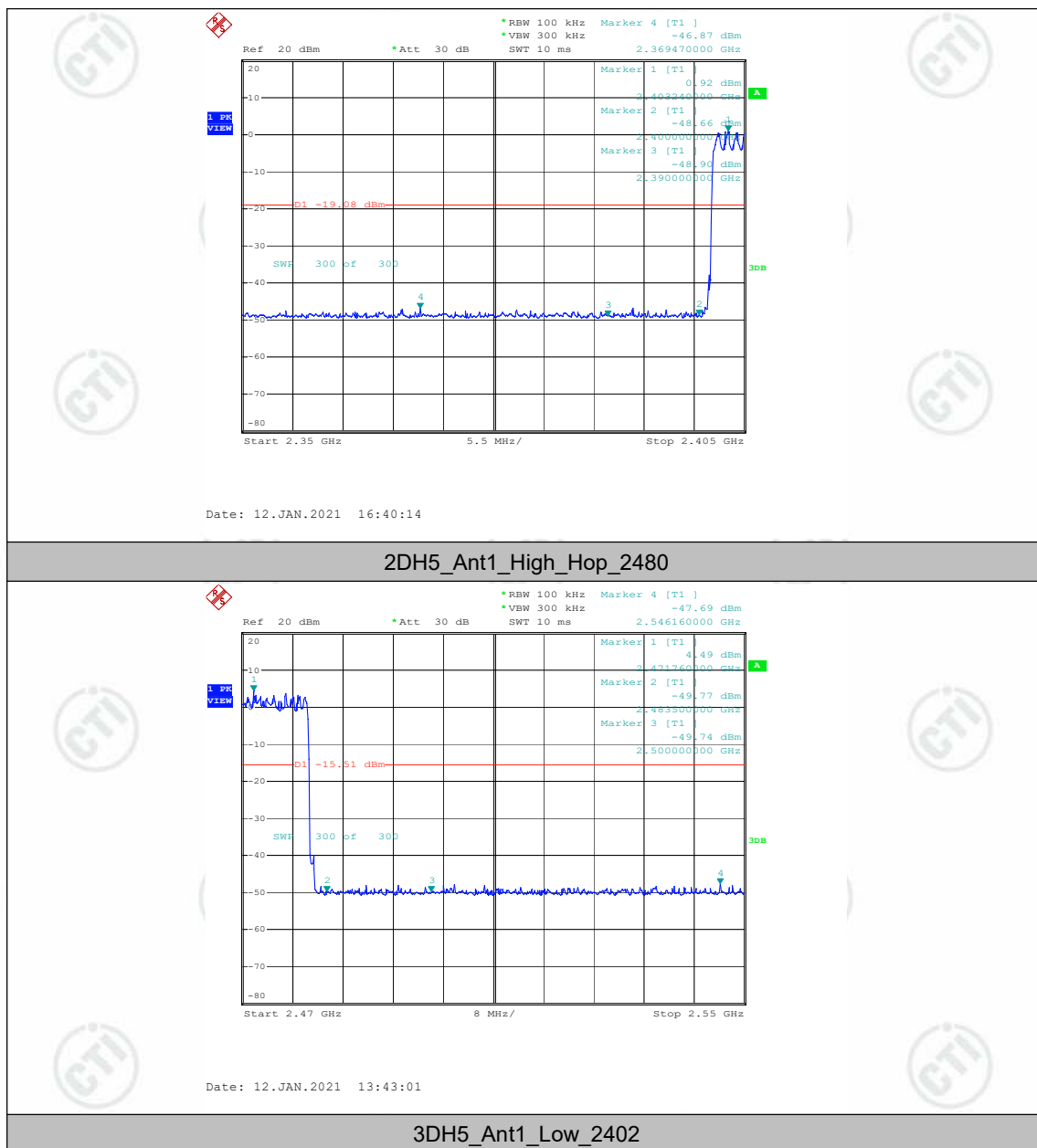
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	4.52	-48.28	<=-15.48	PASS
		High	2480	5.34	-47.15	<=-14.66	PASS
		Low	Hop_2402	4.04	-47.89	<=-15.96	PASS
		High	Hop_2480	4.07	-48.71	<=-15.93	PASS
2DH5	Ant1	Low	2402	4.63	-47.9	<=-15.37	PASS
		High	2480	4.32	-48.94	<=-15.68	PASS
		Low	Hop_2402	0.92	-46.87	<=-19.08	PASS
		High	Hop_2480	4.49	-47.69	<=-15.51	PASS
3DH5	Ant1	Low	2402	5.25	-47.88	<=-14.75	PASS
		High	2480	5.21	-48.07	<=-14.79	PASS
		Low	Hop_2402	4.18	-48.2	<=-15.82	PASS
		High	Hop_2480	5.19	-47.76	<=-14.81	PASS

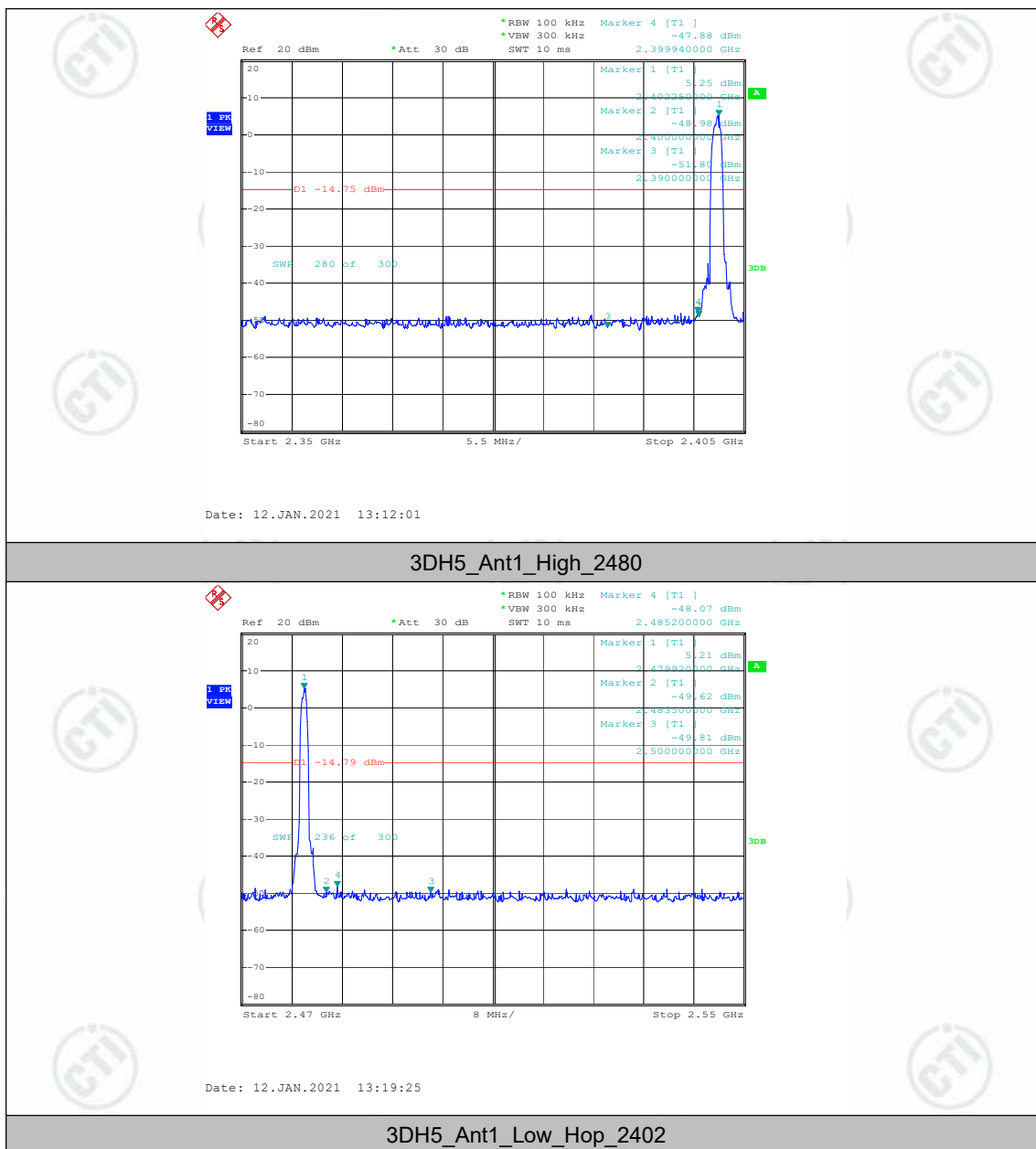
Test Graphs

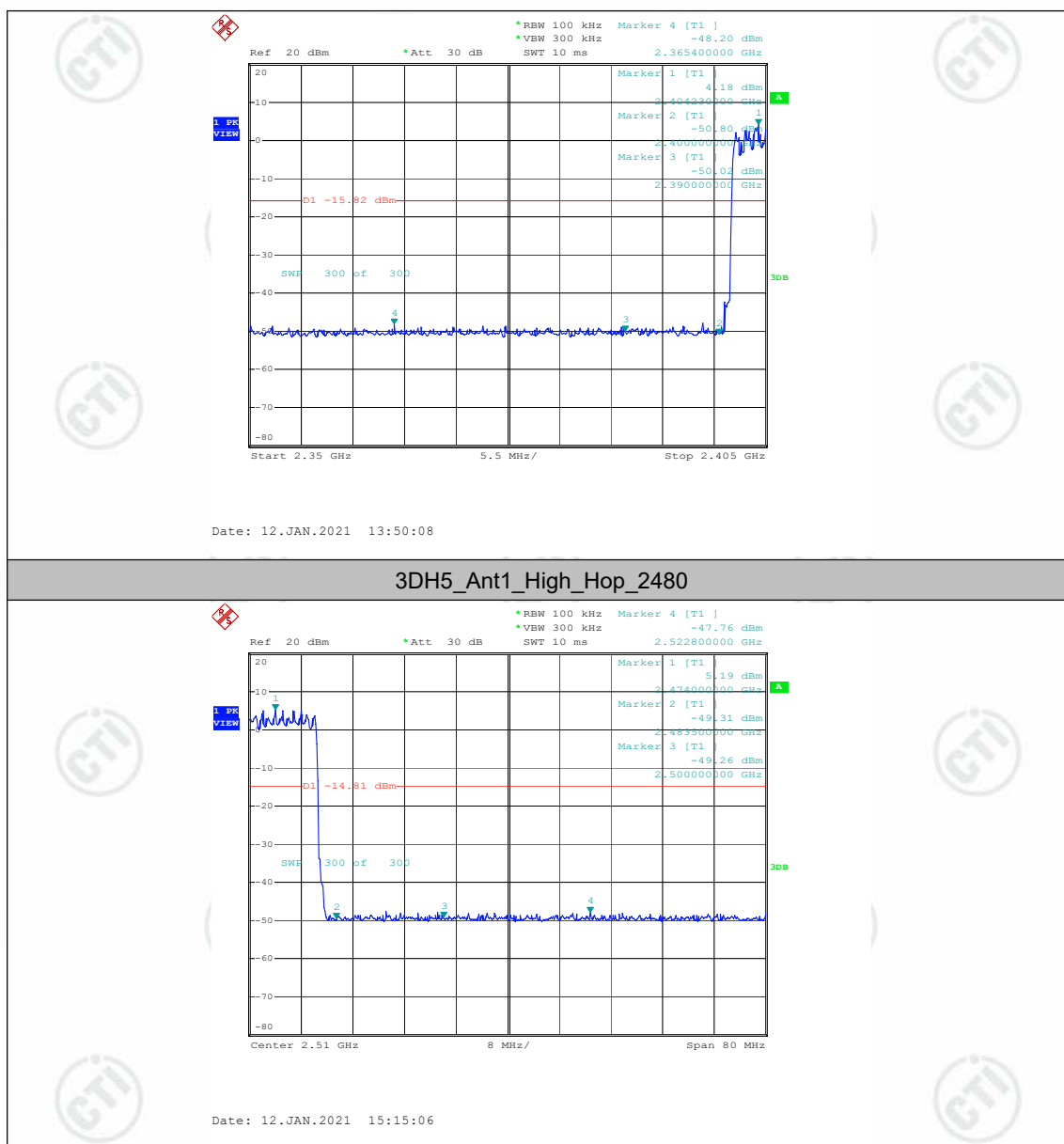










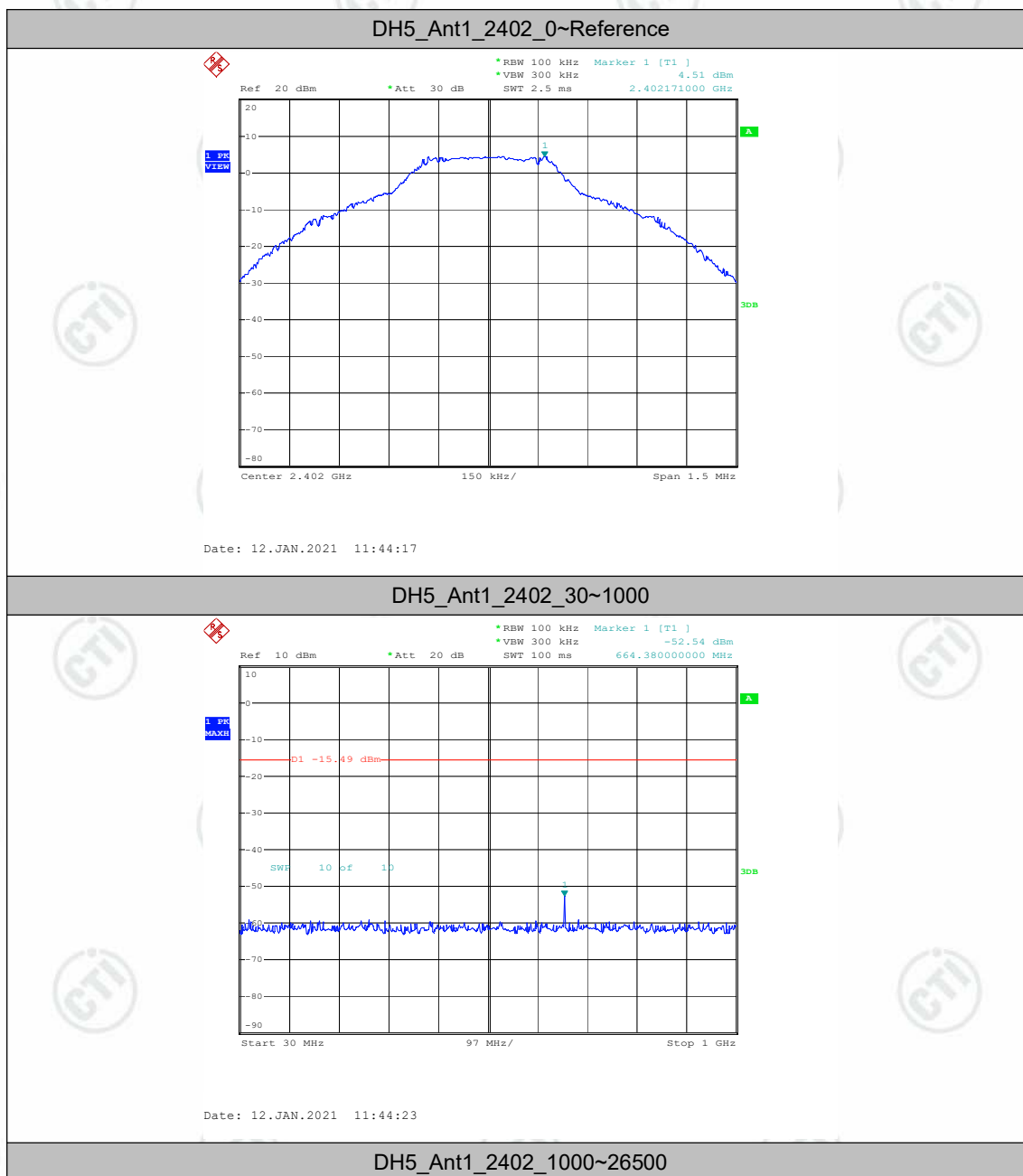


AppendixH:Conducted SpuriousEmission

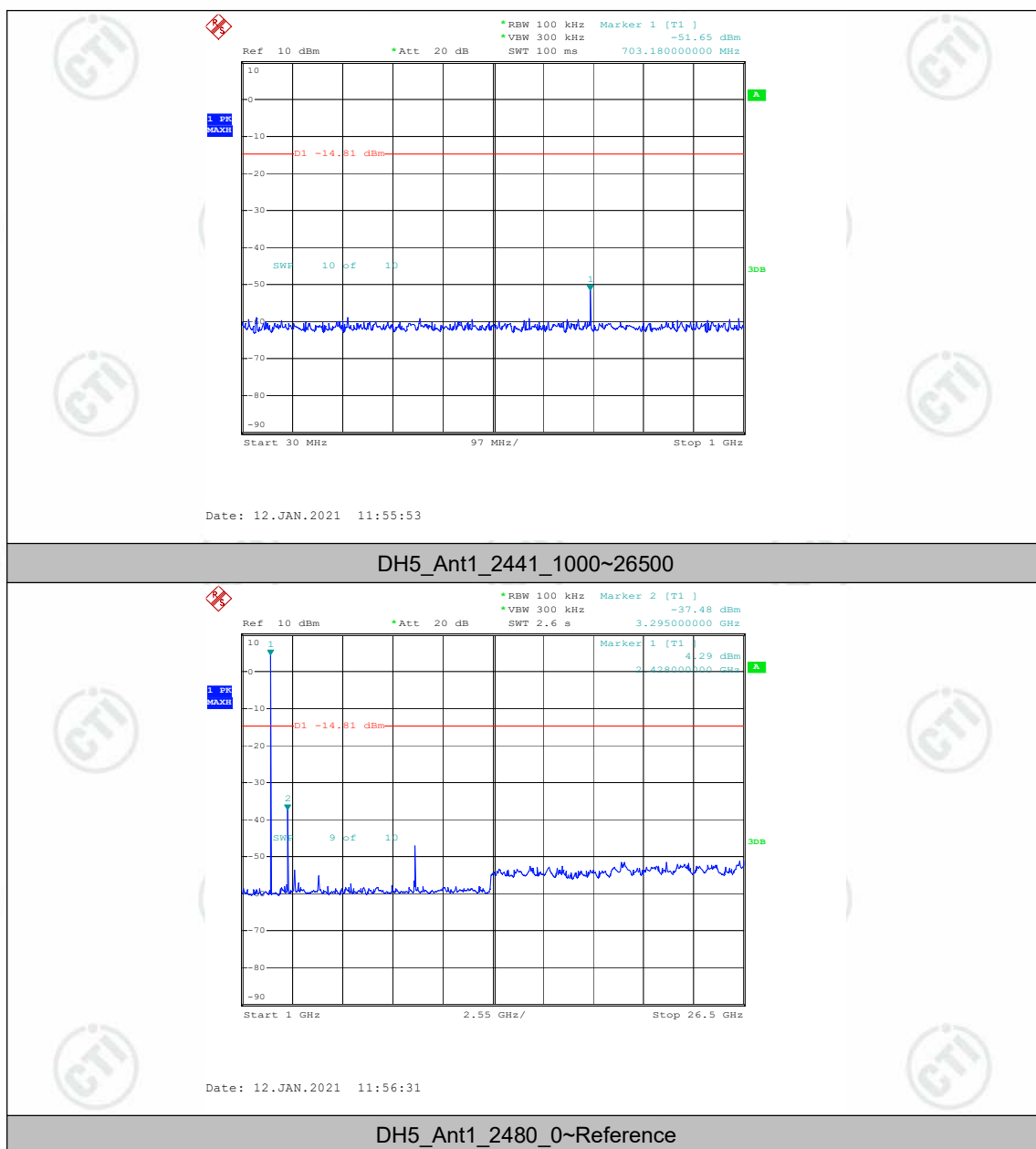
Test Result

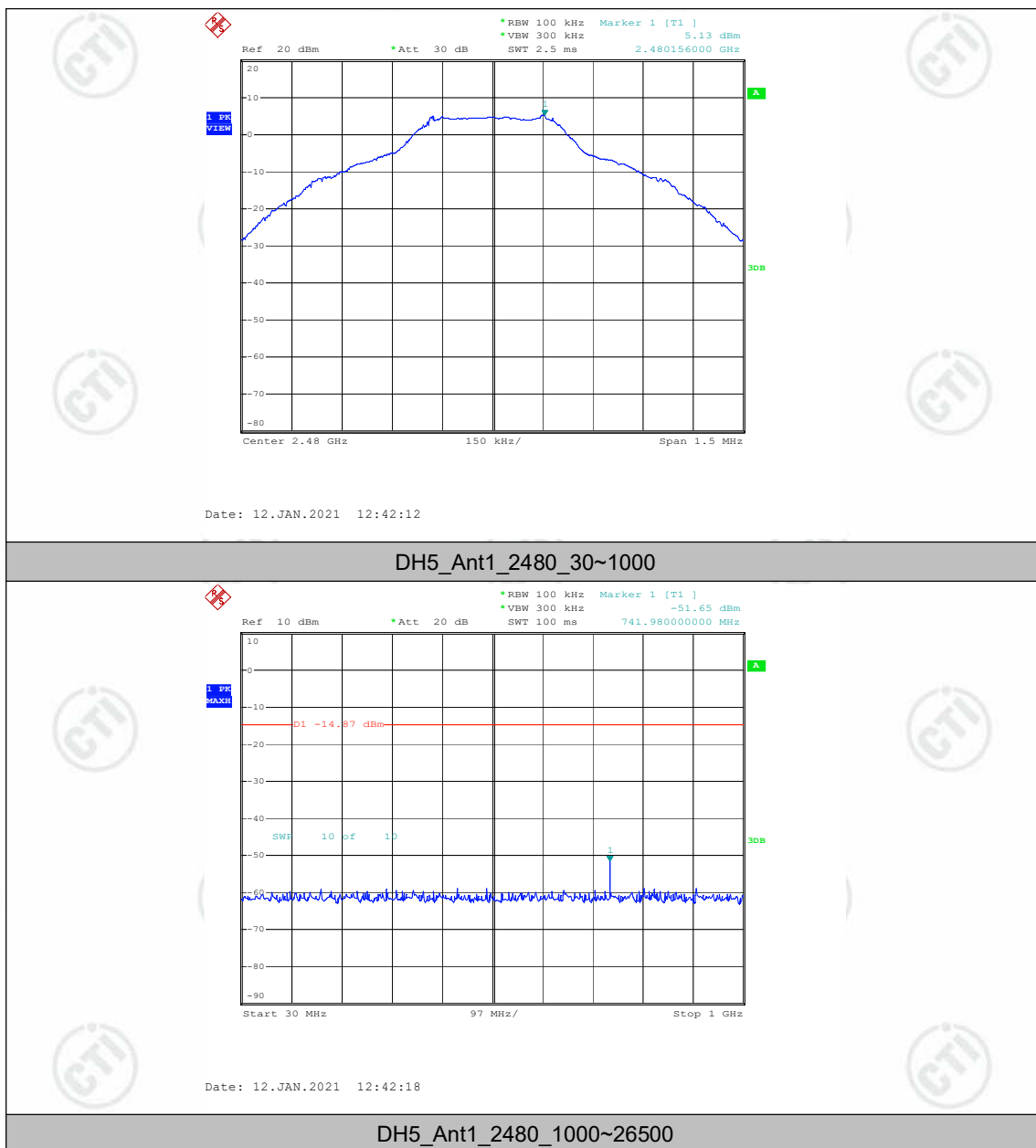
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	4.51	4.51	---	PASS
			30~1000	4.51	-52.54	<=-15.49	PASS
			1000~26500	4.51	-37.69	<=-15.49	PASS
		2441	Reference	5.19	5.19	---	PASS
			30~1000	5.19	-52.01	<=-14.81	PASS
			1000~26500	5.19	-37.48	<=-14.81	PASS
		2480	Reference	5.13	5.13	---	PASS
			30~1000	5.13	-51.65	<=-14.87	PASS
			1000~26500	5.13	-37.88	<=-14.87	PASS
2DH5	Ant1	2402	Reference	5.21	5.21	---	PASS
			30~1000	5.21	-53.11	<=-14.79	PASS
			1000~26500	5.21	-37.72	<=-14.79	PASS
		2441	Reference	5.53	5.53	---	PASS
			30~1000	5.53	-53.11	<=-14.47	PASS
			1000~26500	5.53	-37.75	<=-14.47	PASS
		2480	Reference	5.46	5.46	---	PASS
			30~1000	5.46	-52.33	<=-14.54	PASS
			1000~26500	5.46	-37.71	<=-14.54	PASS
3DH5	Ant1	2402	Reference	5.31	5.31	---	PASS
			30~1000	5.31	-51.75	<=-14.69	PASS
			1000~26500	5.31	-37.68	<=-14.69	PASS
		2441	Reference	5.63	5.63	---	PASS
			30~1000	5.63	-53.97	<=-14.37	PASS
			1000~26500	5.63	-37.67	<=-14.37	PASS
		2480	Reference	5.57	5.57	---	PASS
			30~1000	5.57	-54.15	<=-14.43	PASS
			1000~26500	5.57	-37.64	<=-14.43	PASS

Test Graphs

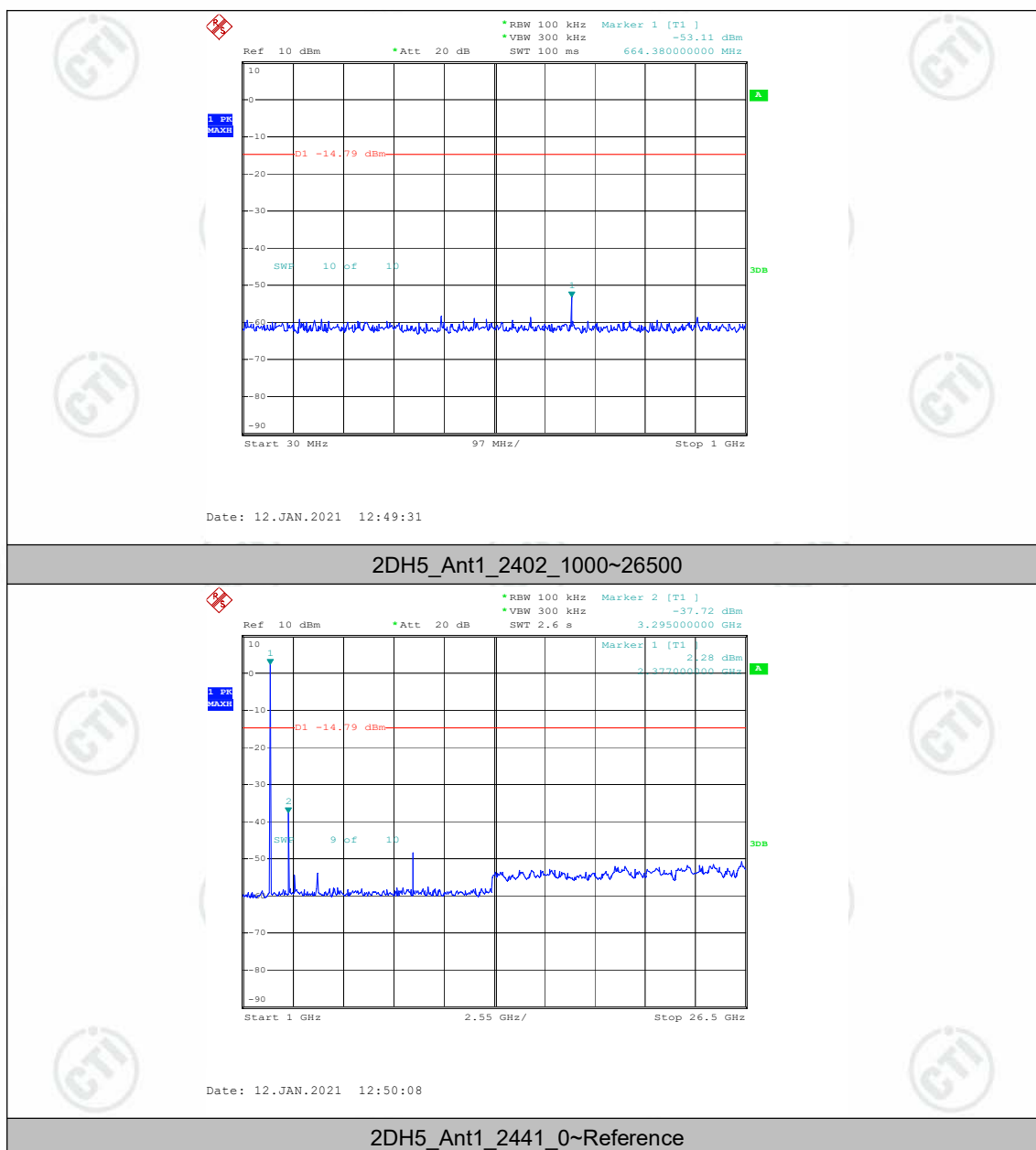


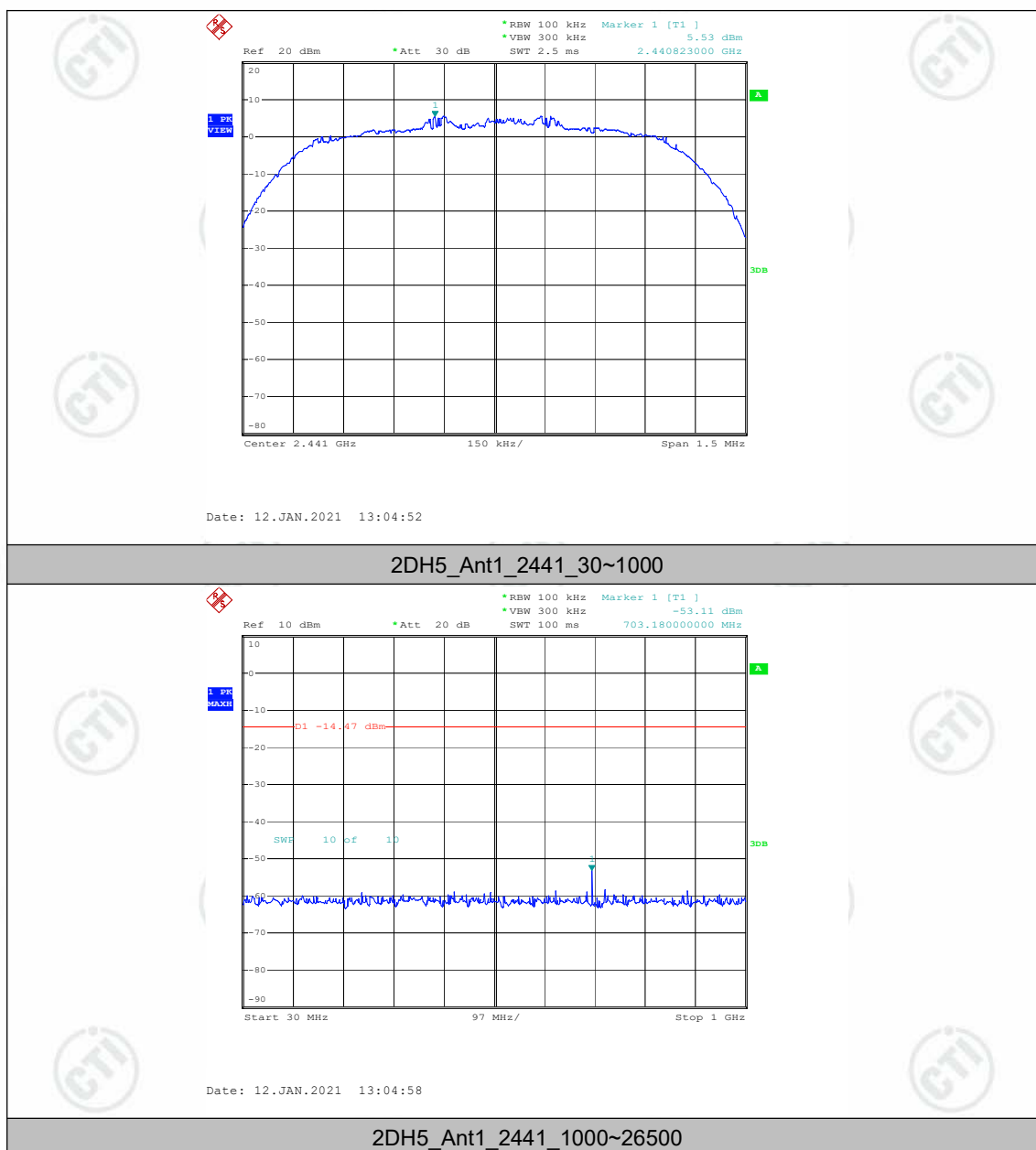


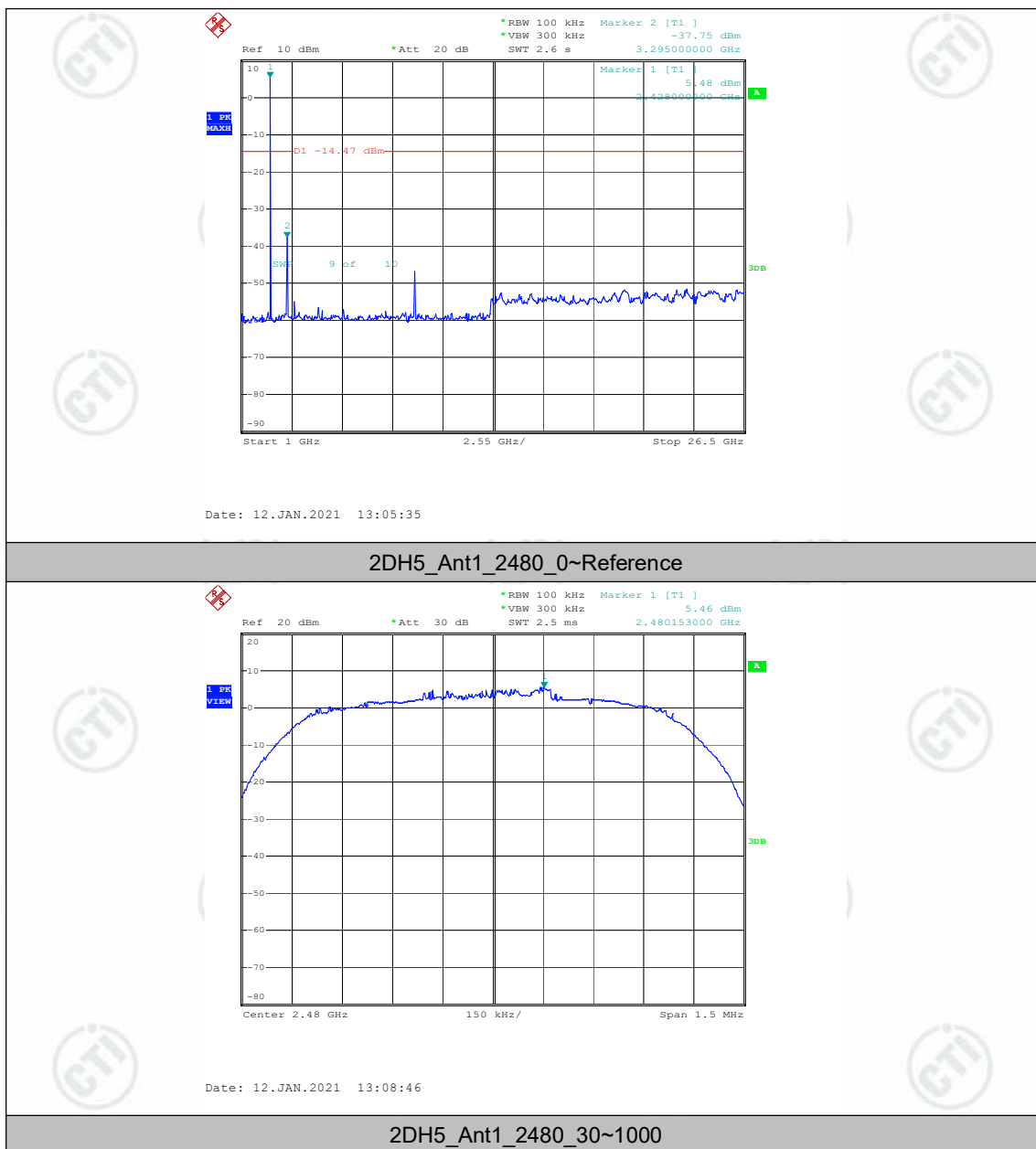


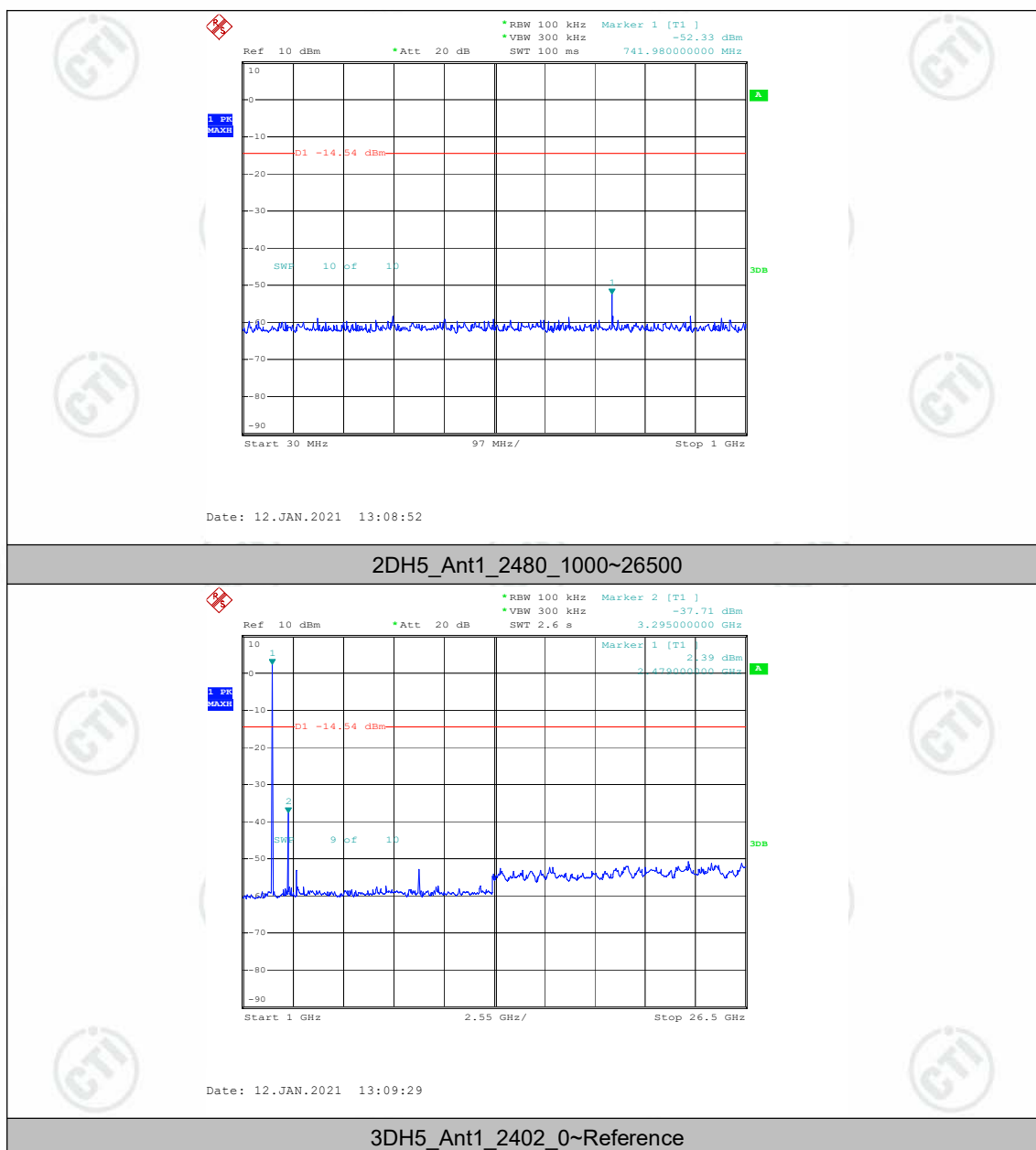


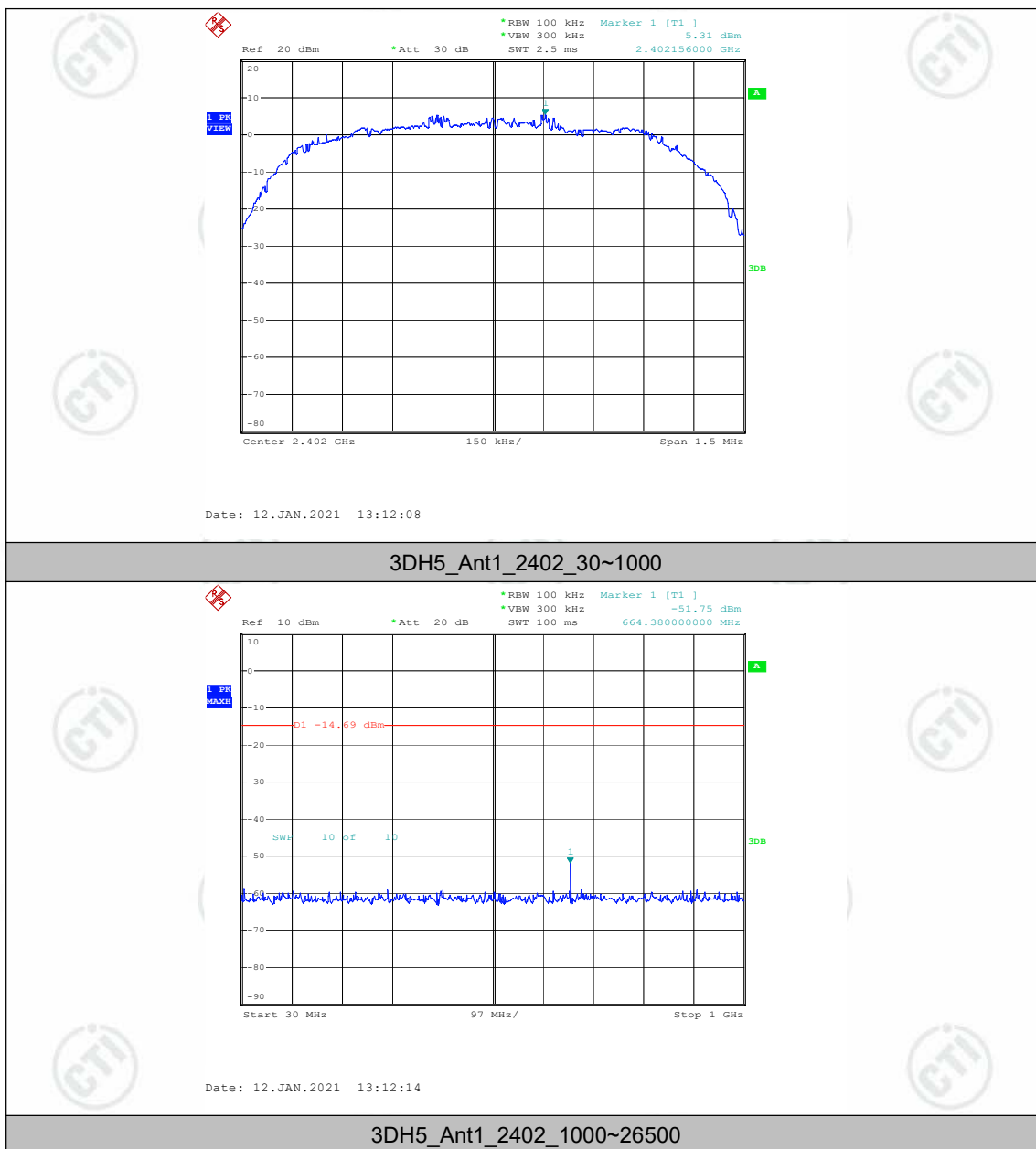




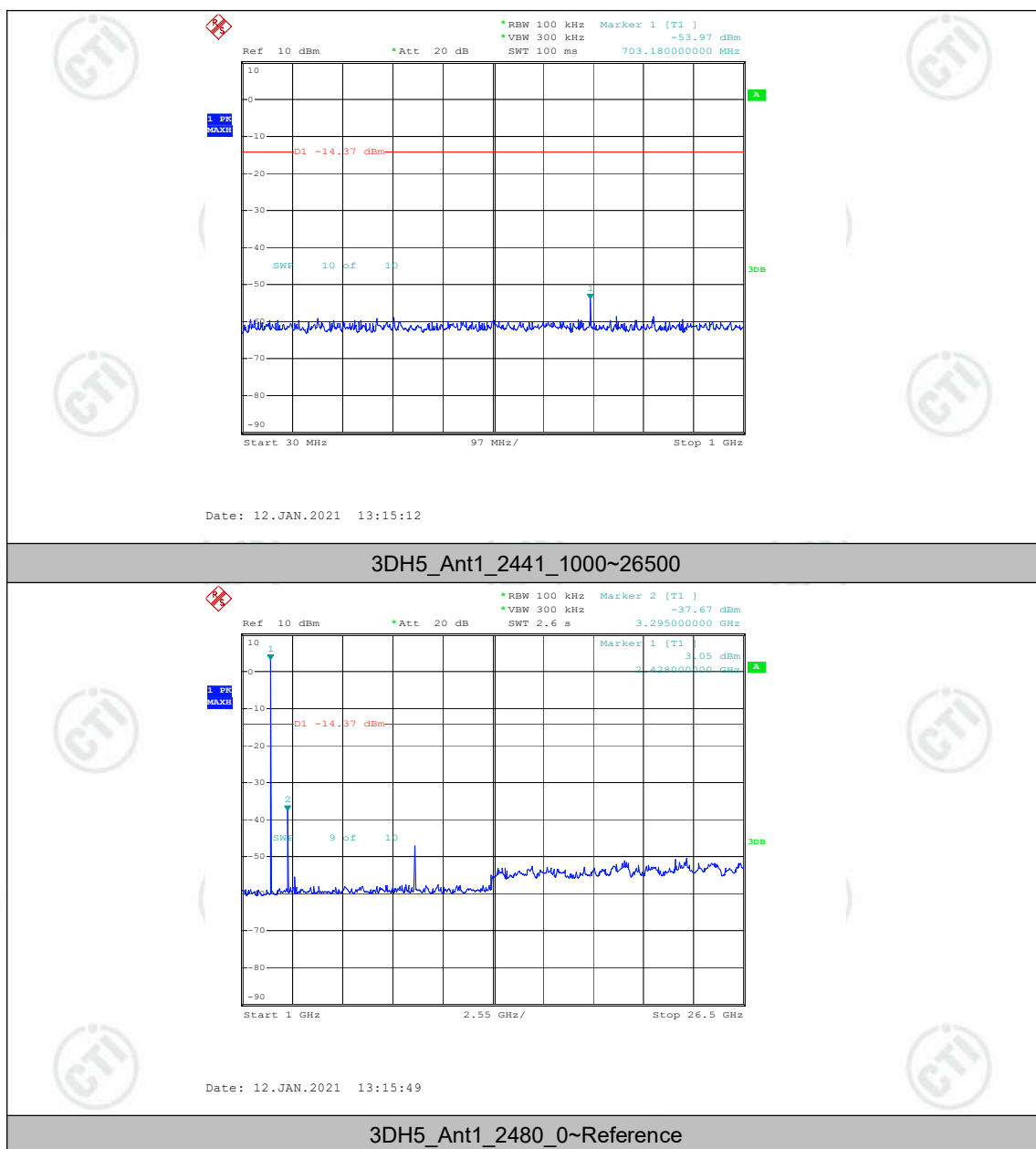


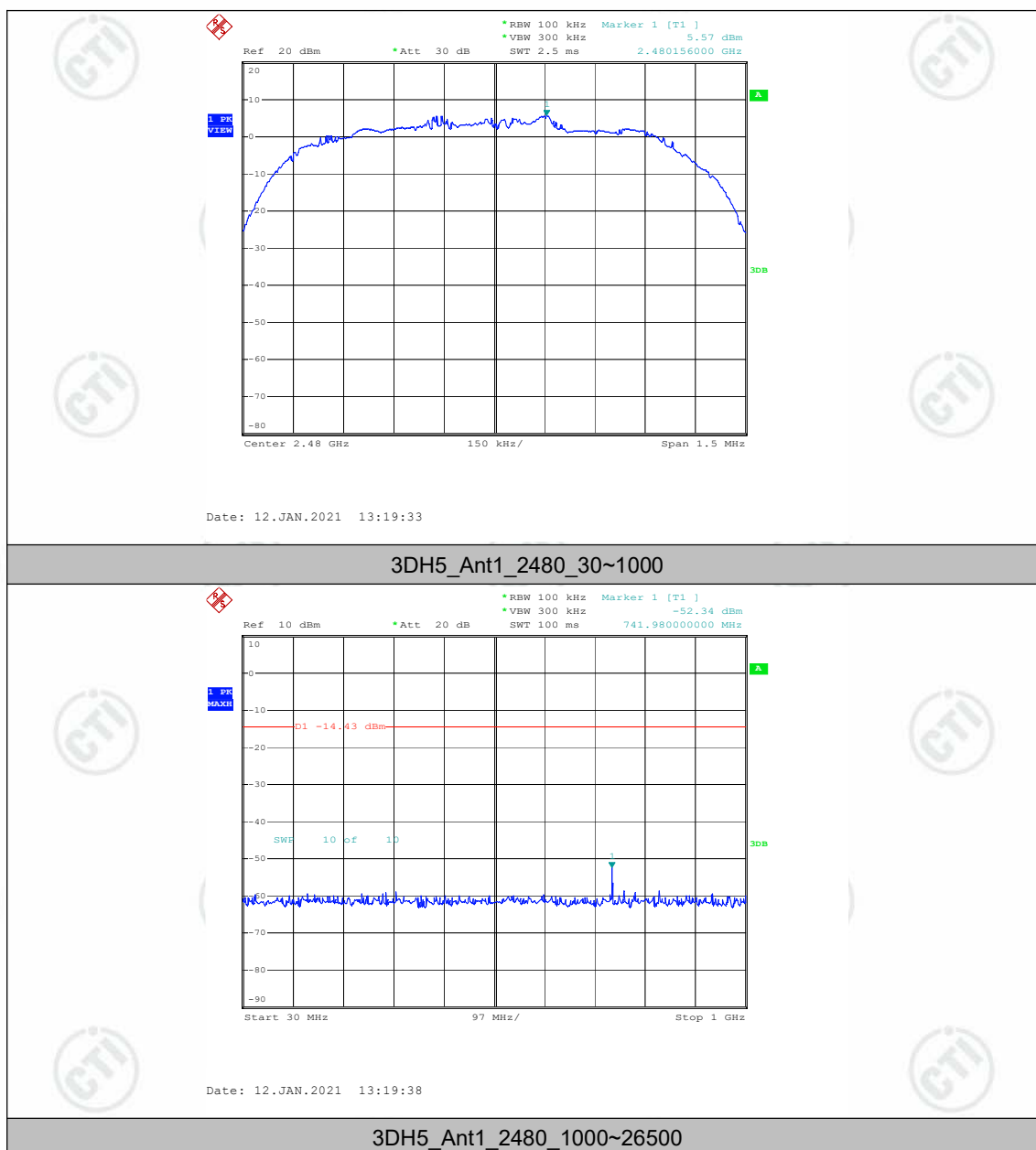


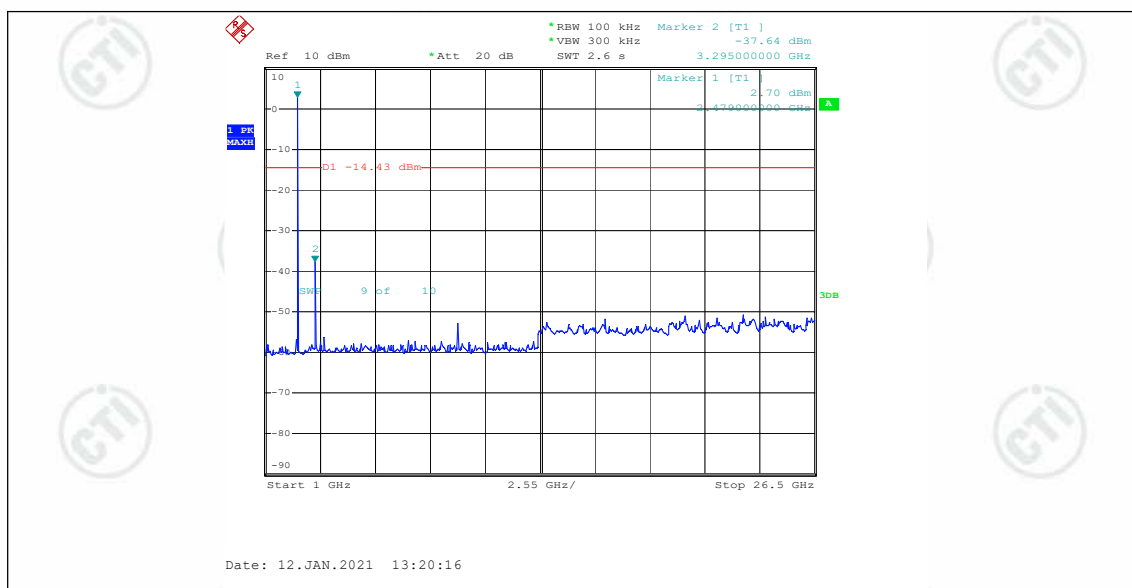












AppendixI: DutyCycle

Test Result

TestMode	Antenna	Channel	TransmissionDuration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
DH5	Ant1	2402	2.88	5.00	57.60	---	PASS
		2441	2.88	5.00	57.60	---	PASS
		2480	2.88	5.00	57.60	---	PASS
2DH5	Ant1	2402	2.88	5.00	57.60	---	PASS
		2441	2.88	5.00	57.60	---	PASS
		2480	2.88	5.00	57.60	---	PASS
3DH5	Ant1	2402	2.88	5.00	57.60	---	PASS
		2441	2.88	5.00	57.60	---	PASS
		2480	2.88	5.00	57.60	---	PASS

Test Graphs

