

Appendix: Bluetooth Classic

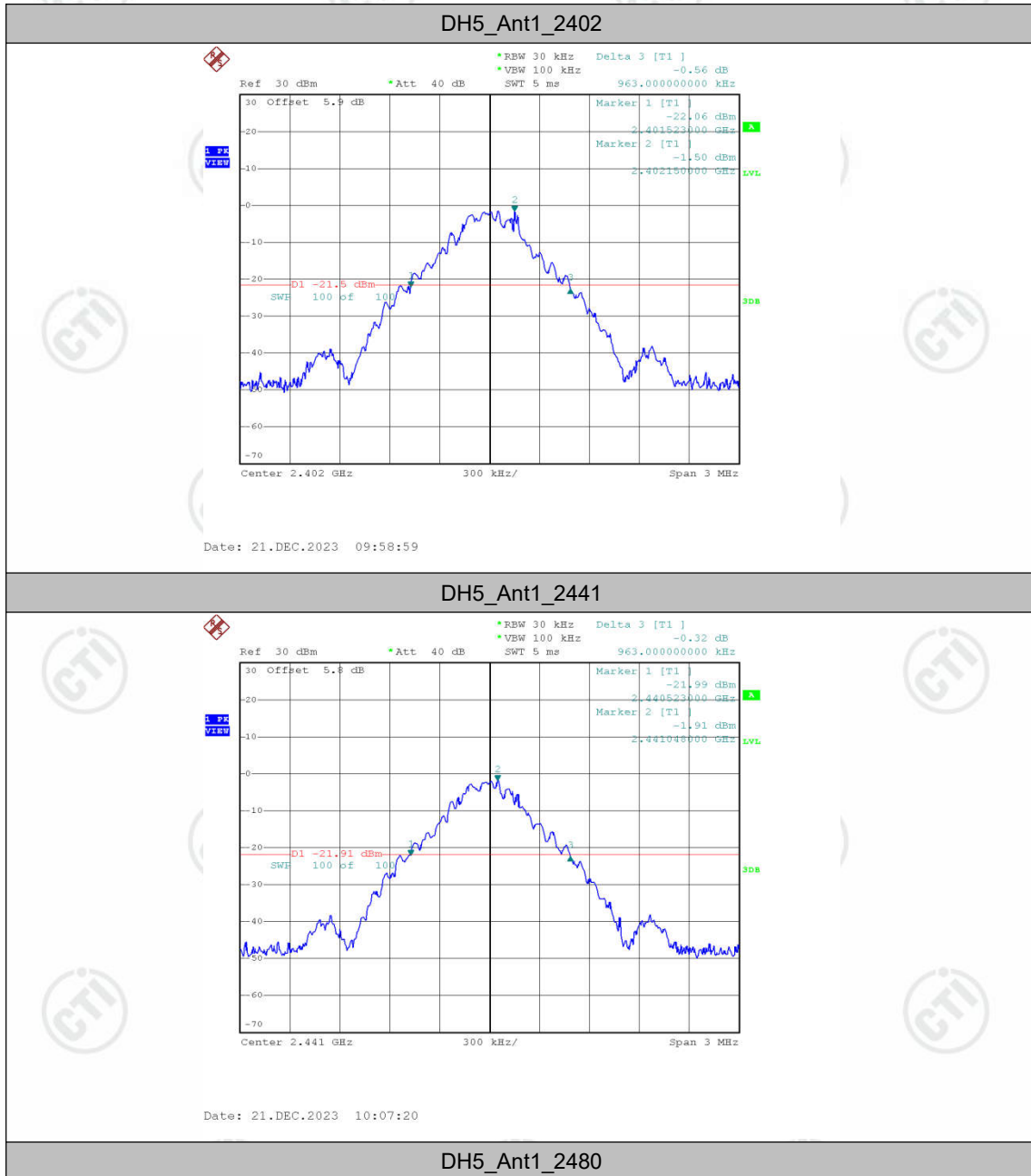
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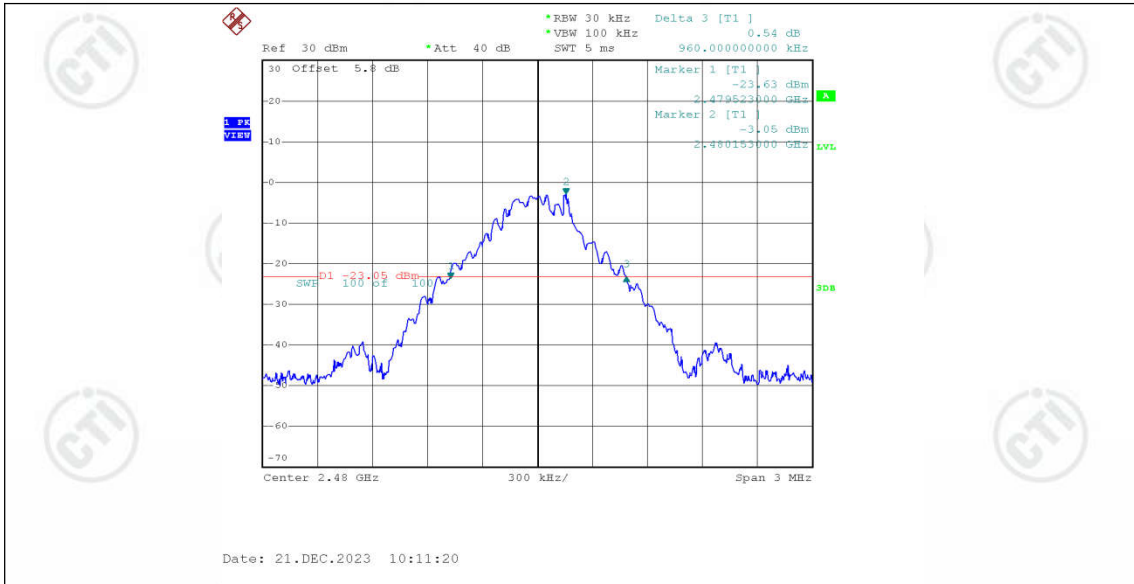
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Appendix A: 20dB Emission Bandwidth**Test Result**

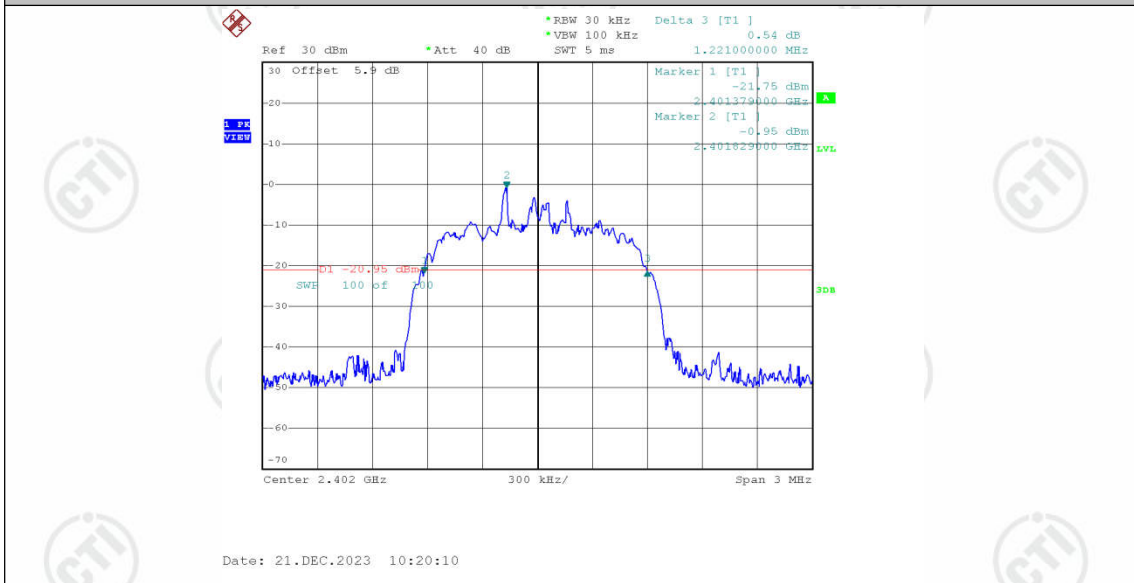
Test Mode	Antenna	Frequency [MHz]	20db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.96	2401.52	2402.49	---	---
		2441	0.96	2440.52	2441.49	---	---
		2480	0.96	2479.52	2480.48	---	---
2DH5	Ant1	2402	1.22	2401.38	2402.60	---	---
		2441	1.24	2440.37	2441.60	---	---
		2480	1.29	2479.36	2480.65	---	---
3DH5	Ant1	2402	1.29	2401.35	2402.64	---	---
		2441	1.26	2440.36	2441.62	---	---
		2480	1.27	2479.35	2480.62	---	---

Test Graphs

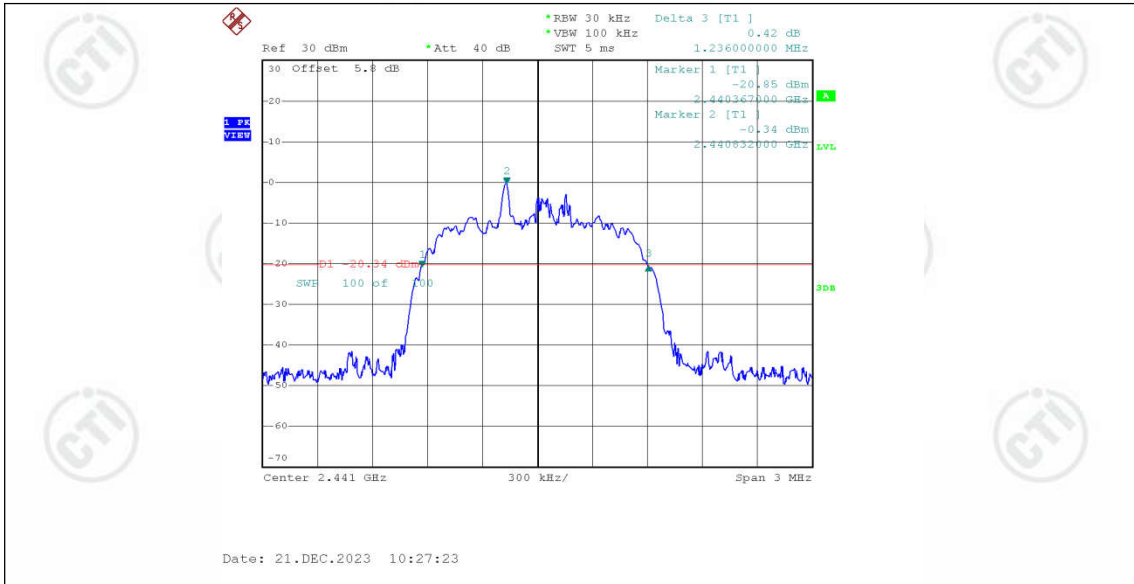




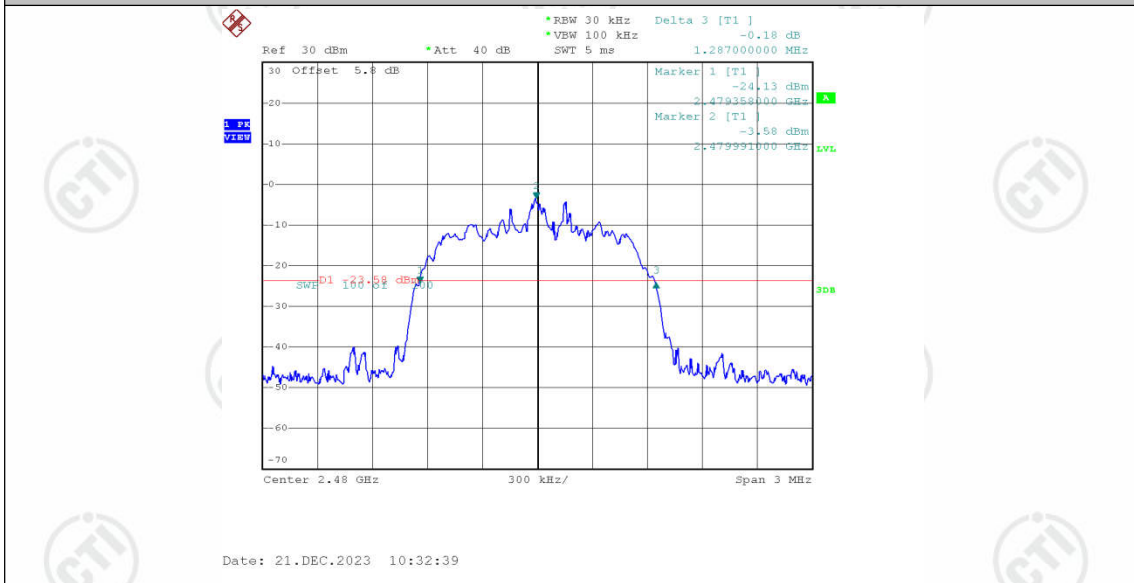
2DH5_Ant1_2402



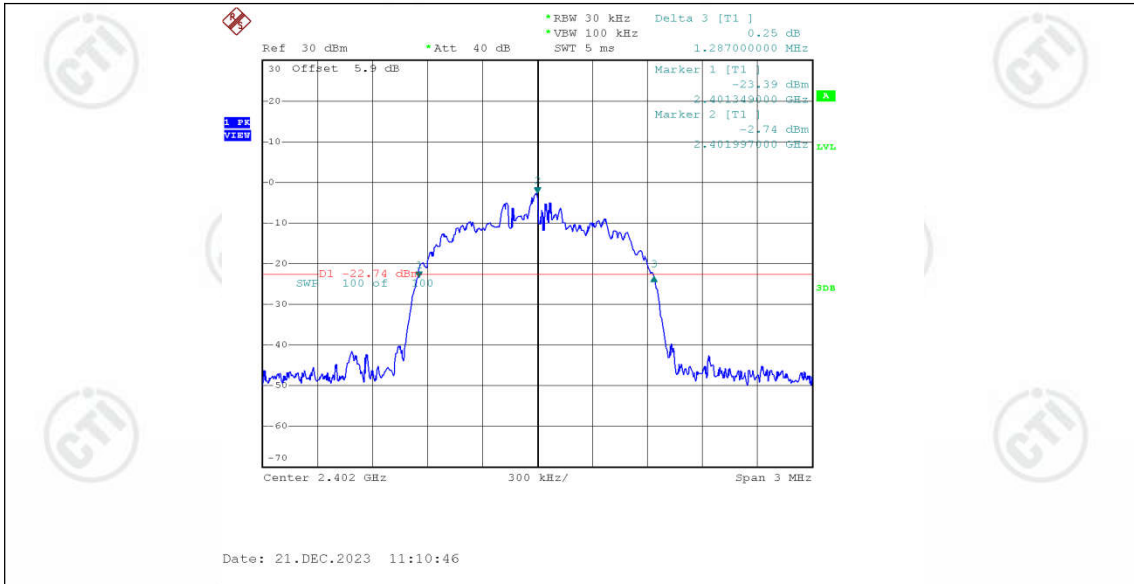
2DH5_Ant1_2441



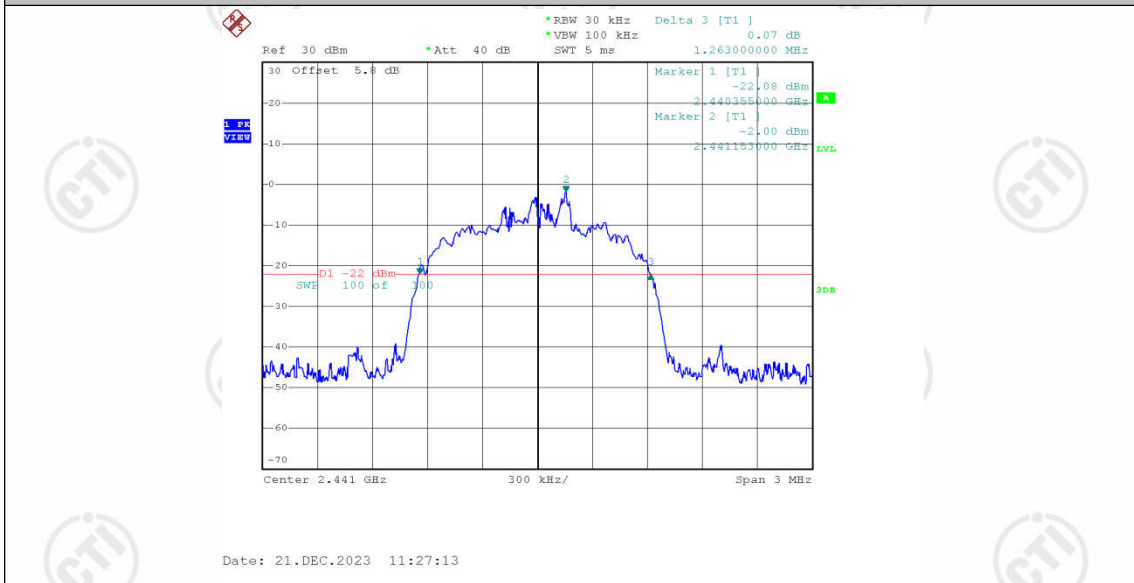
2DH5_Ant1_2480



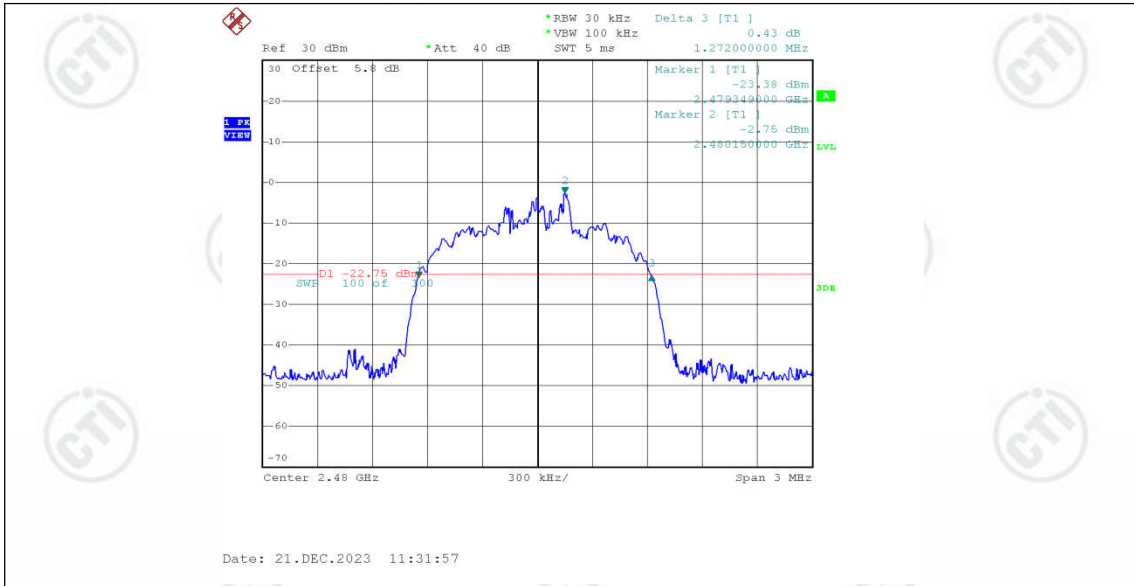
3DH5_Ant1_2402



3DH5_Ant1_2441



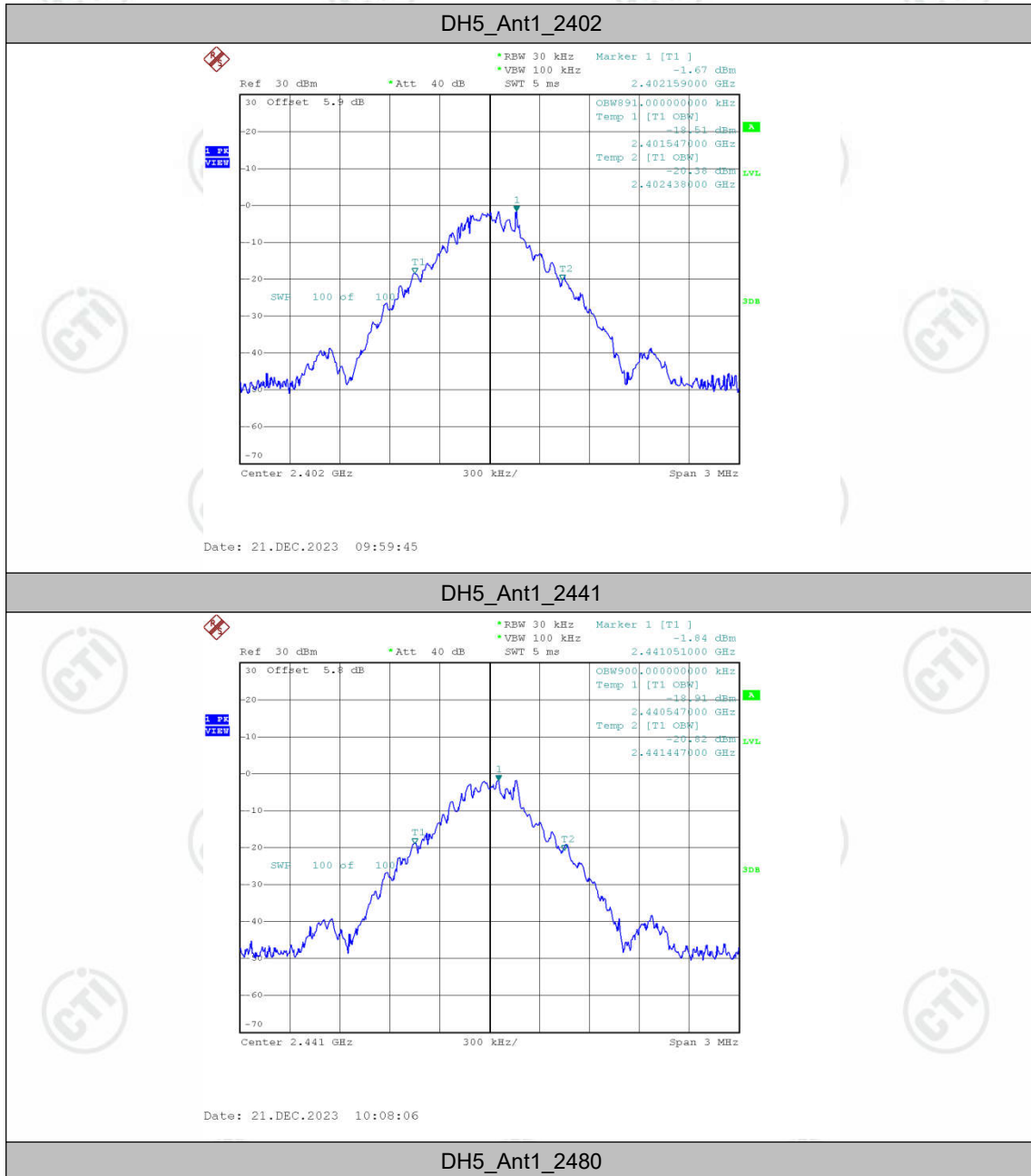
3DH5_Ant1_2480

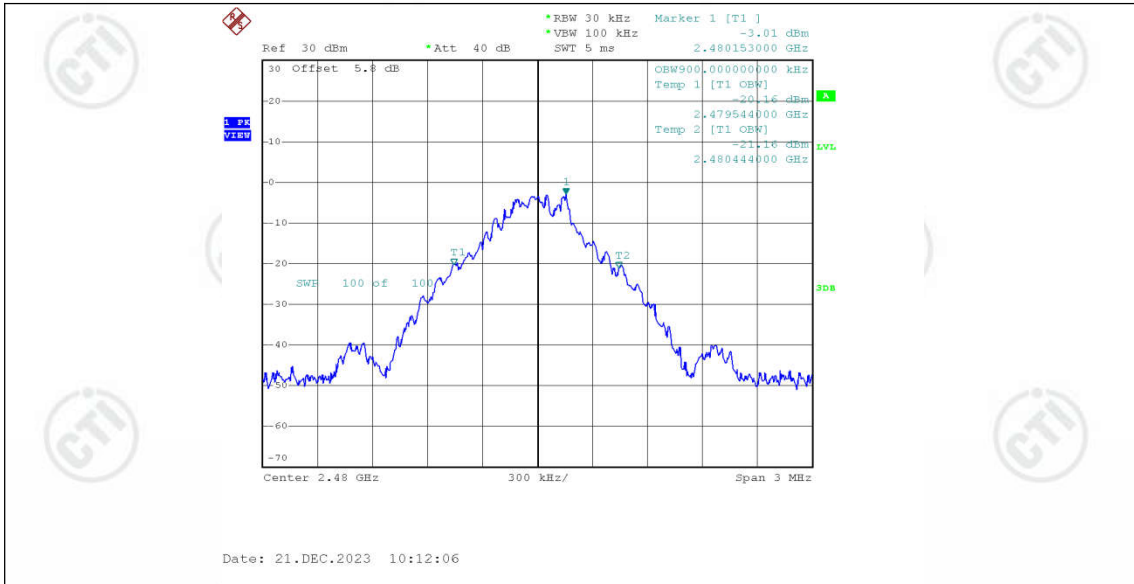


Appendix B: Occupied Channel Bandwidth**Test Result**

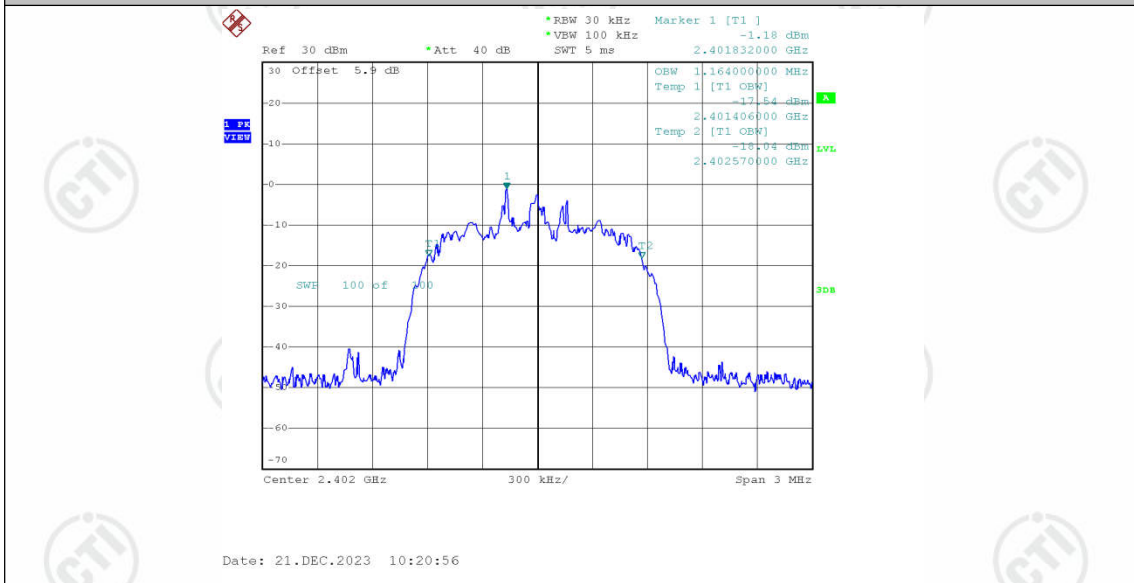
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.891	---	---
		2441	0.9	---	---
		2480	0.9	---	---
2DH5	Ant1	2402	1.164	---	---
		2441	1.179	---	---
		2480	1.17	---	---
3DH5	Ant1	2402	1.194	---	---
		2441	1.176	---	---
		2480	1.167	---	---

Test Graphs

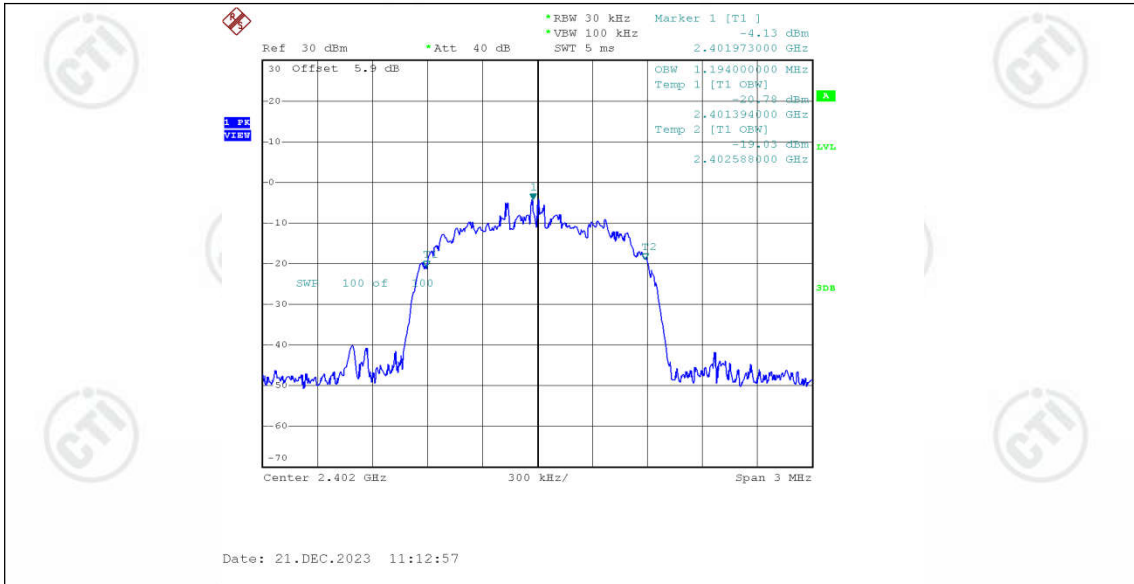




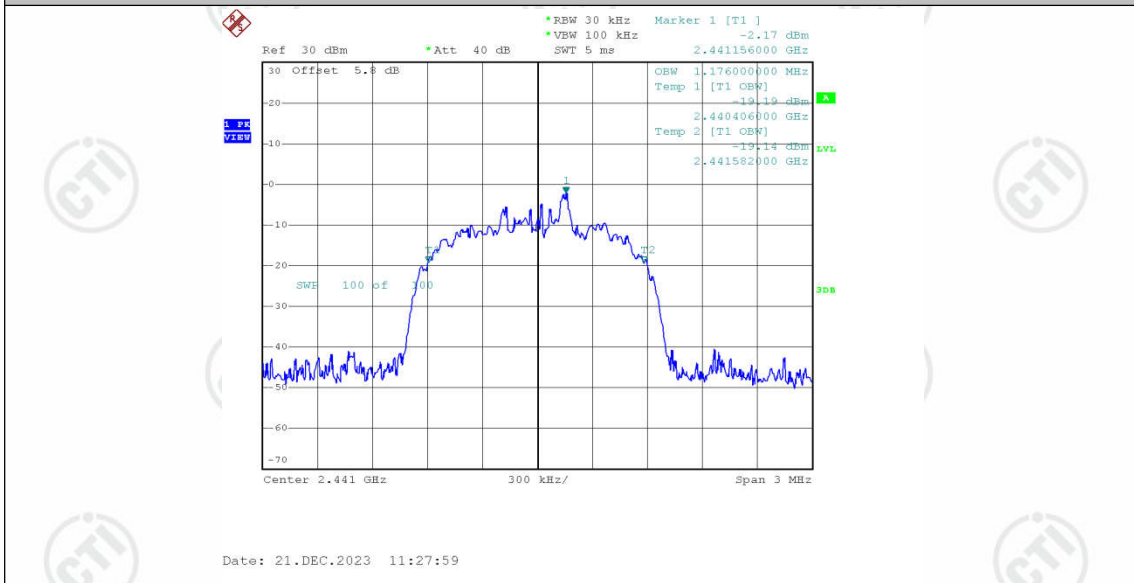
2DH5_Ant1_2402



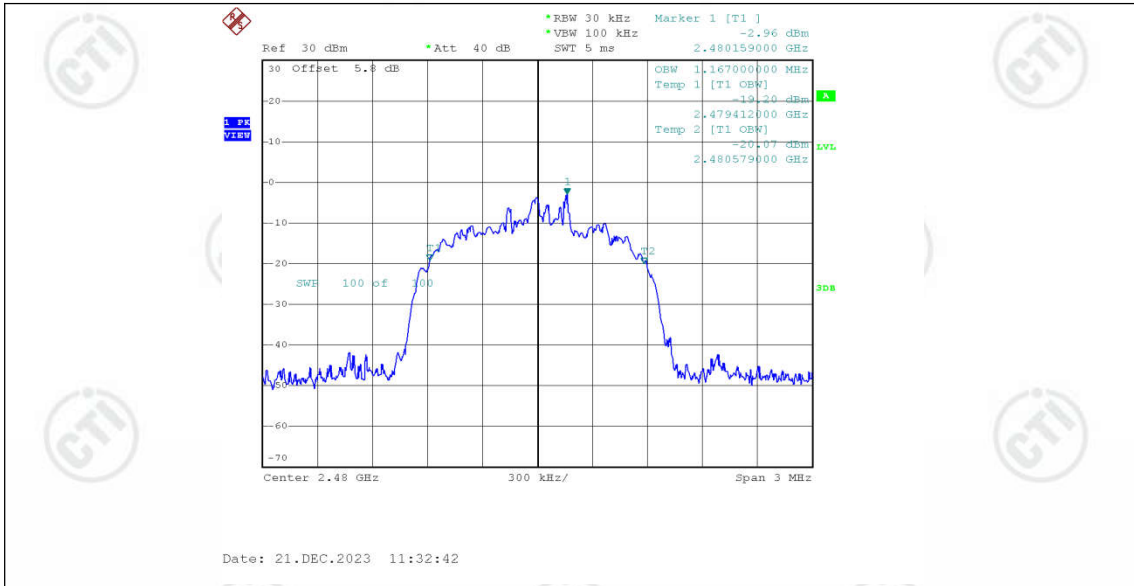
2DH5_Ant1_2441



3DH5_Ant1_2441



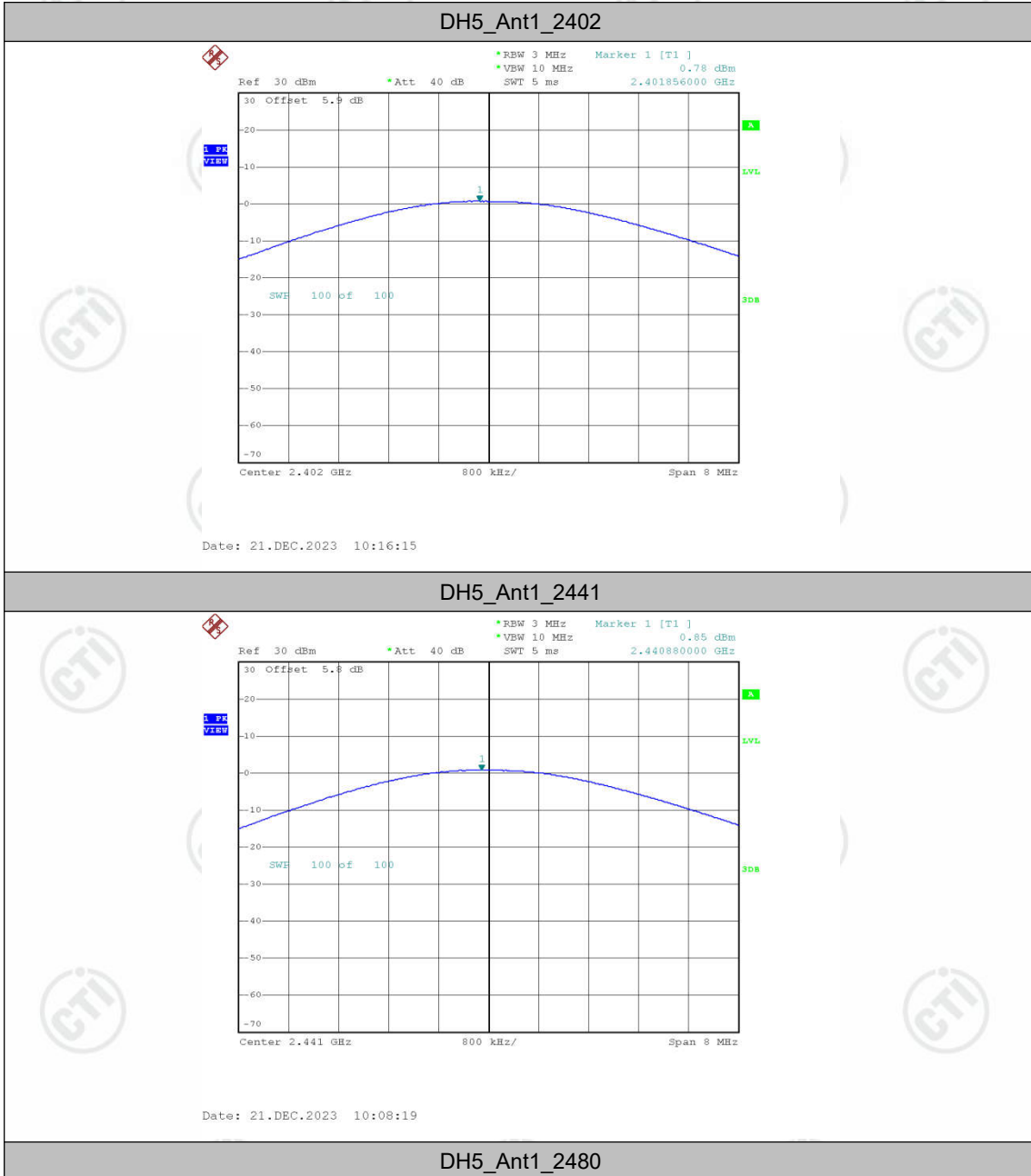
3DH5_Ant1_2480

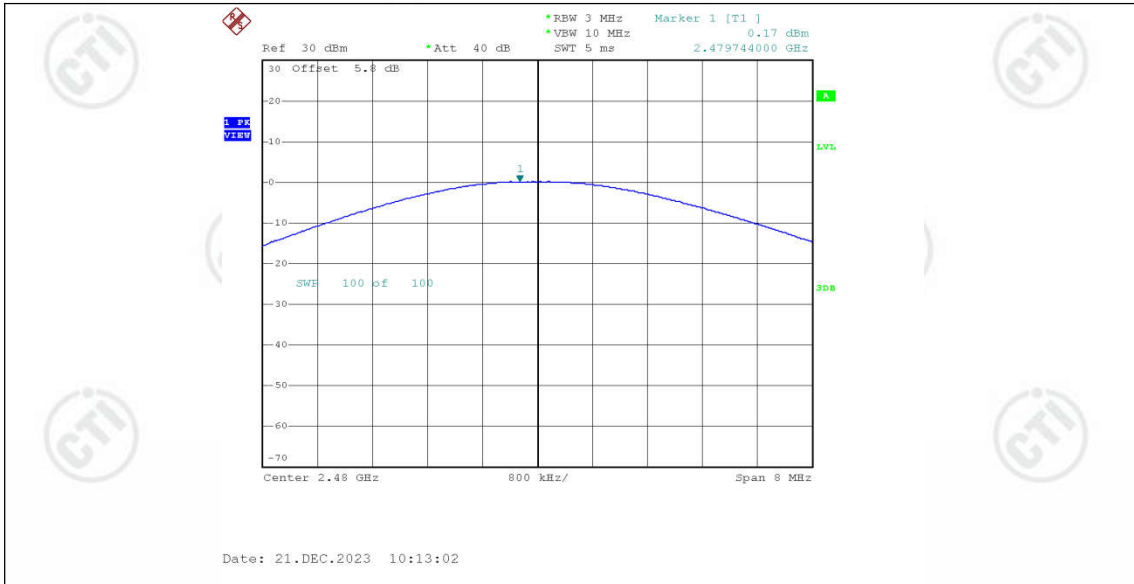


Appendix C: Maximum conducted output power**Test Result Peak**

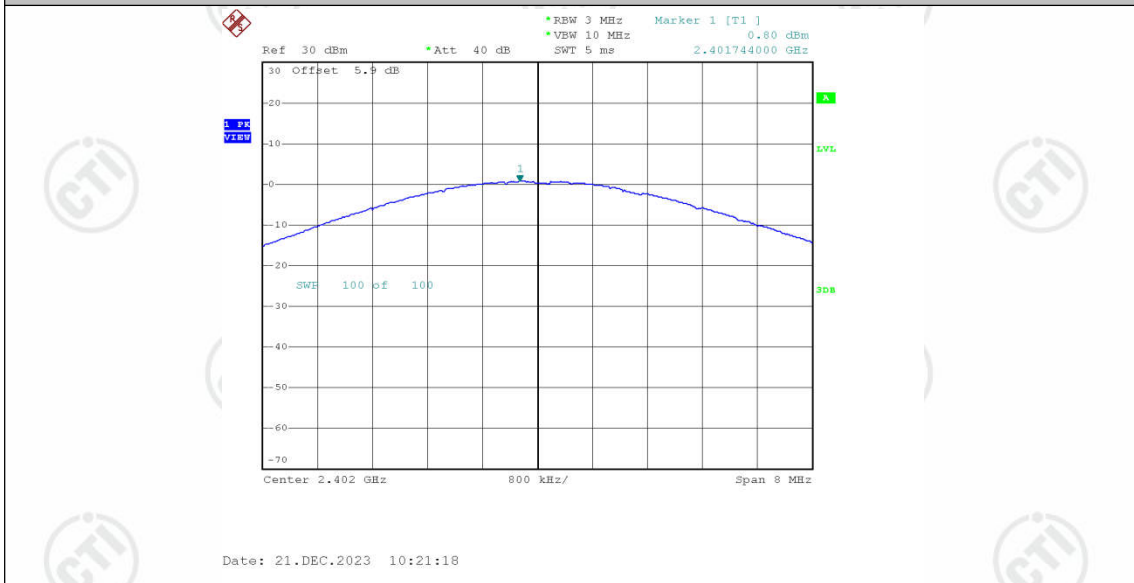
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	0.78	≤20.97	PASS
		2441	0.85	≤20.97	PASS
		2480	0.17	≤20.97	PASS
2DH5	Ant1	2402	0.8	≤20.97	PASS
		2441	0.96	≤20.97	PASS
		2480	0.22	≤20.97	PASS
3DH5	Ant1	2402	0.96	≤20.97	PASS
		2441	0.71	≤20.97	PASS
		2480	0.51	≤20.97	PASS

Test Graphs

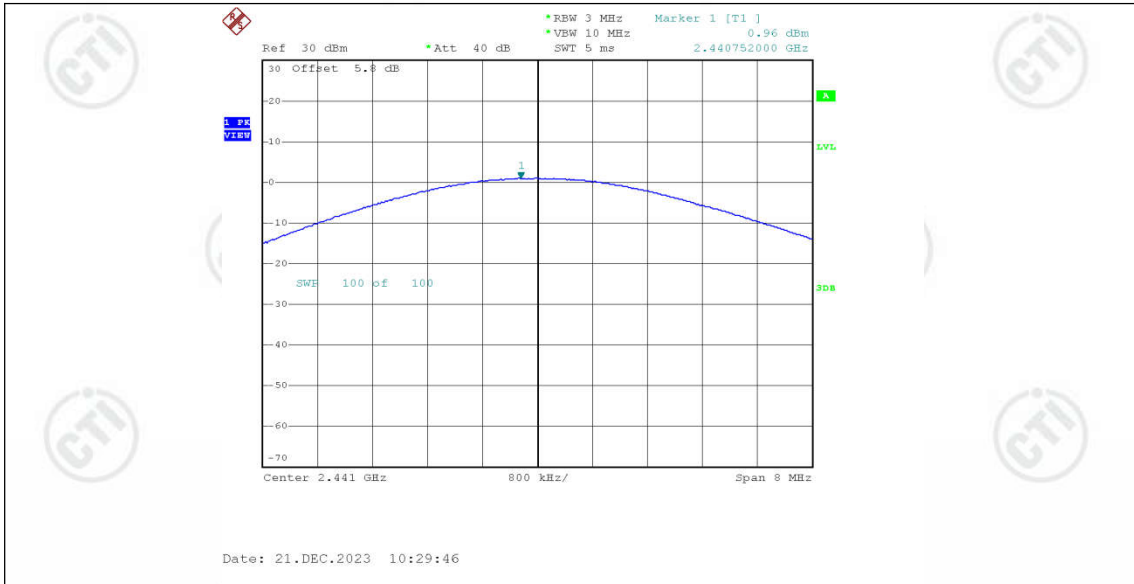




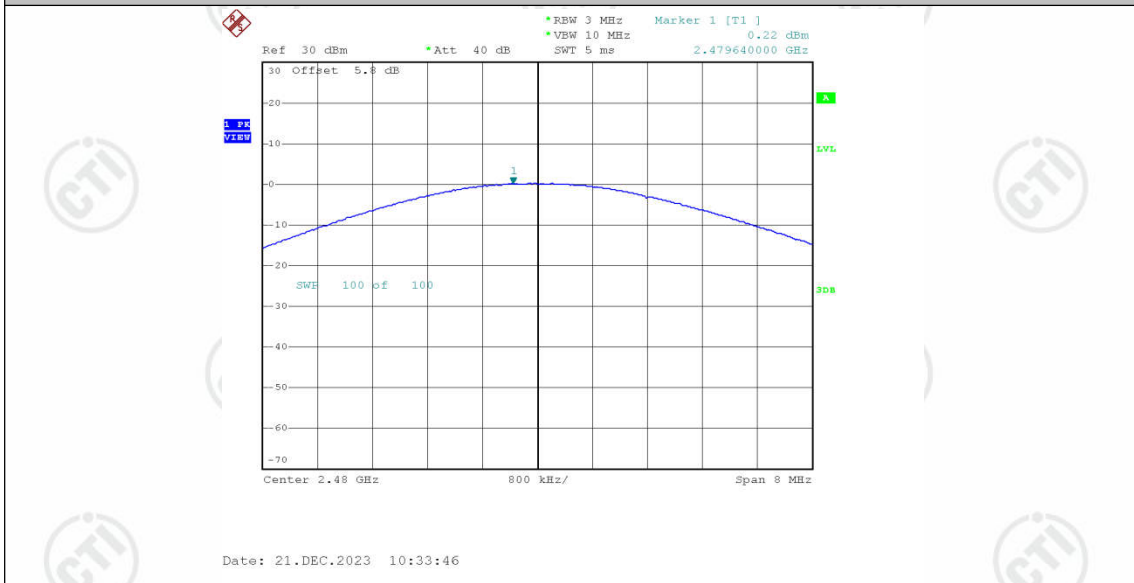
2DH5_Ant1_2402



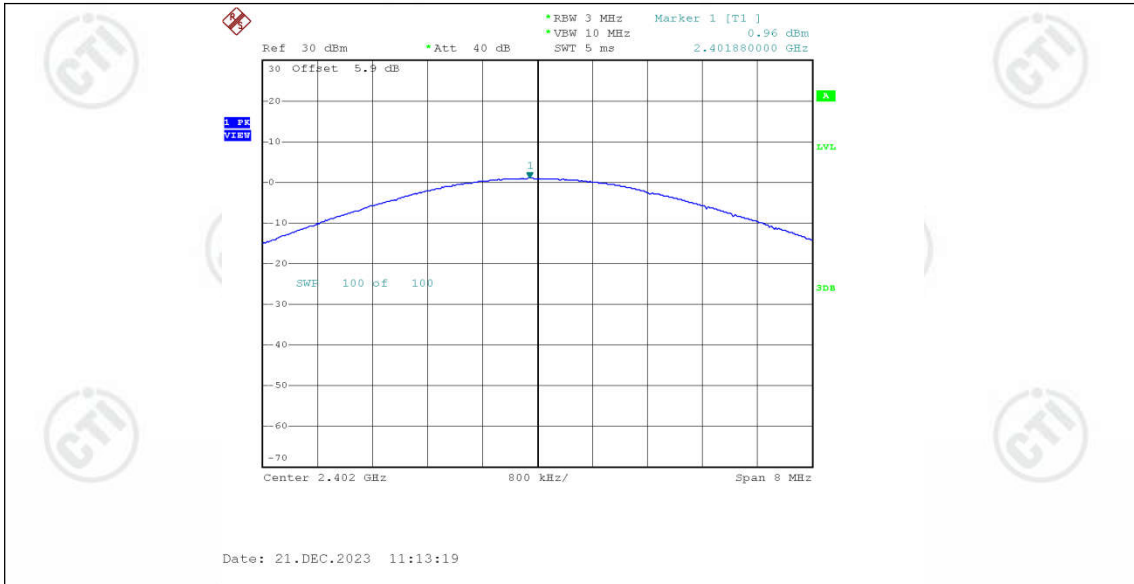
2DH5_Ant1_2441



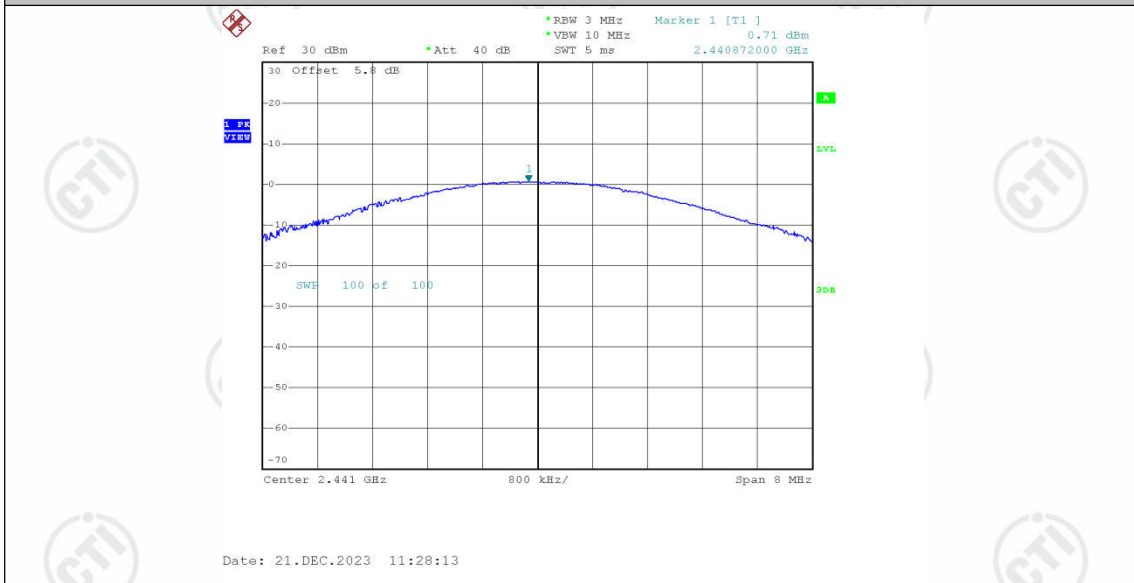
2DH5_Ant1_2480



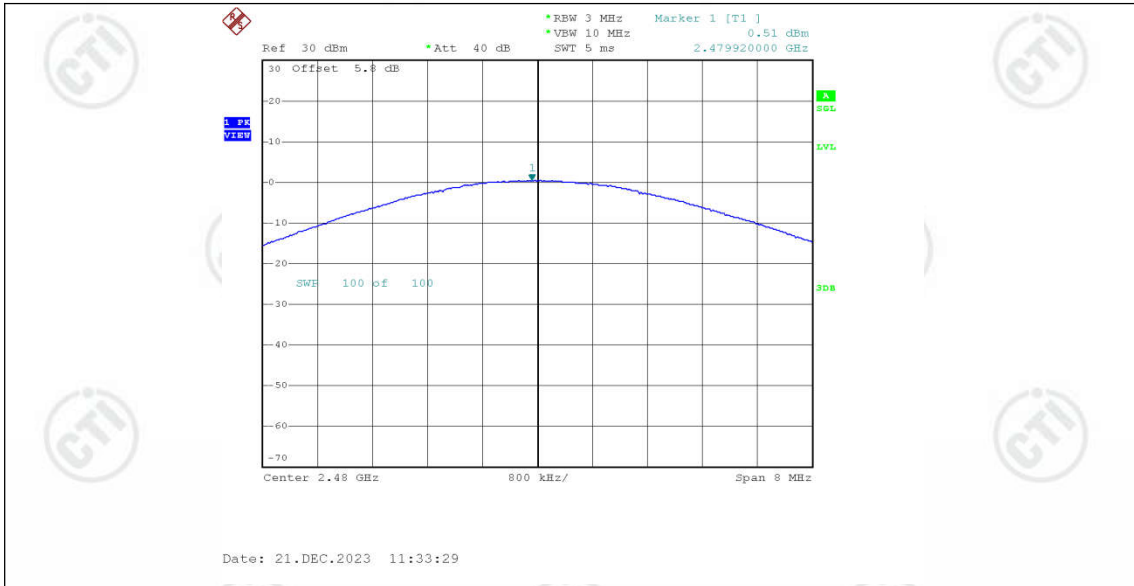
3DH5_Ant1_2402



3DH5_Ant1_2441



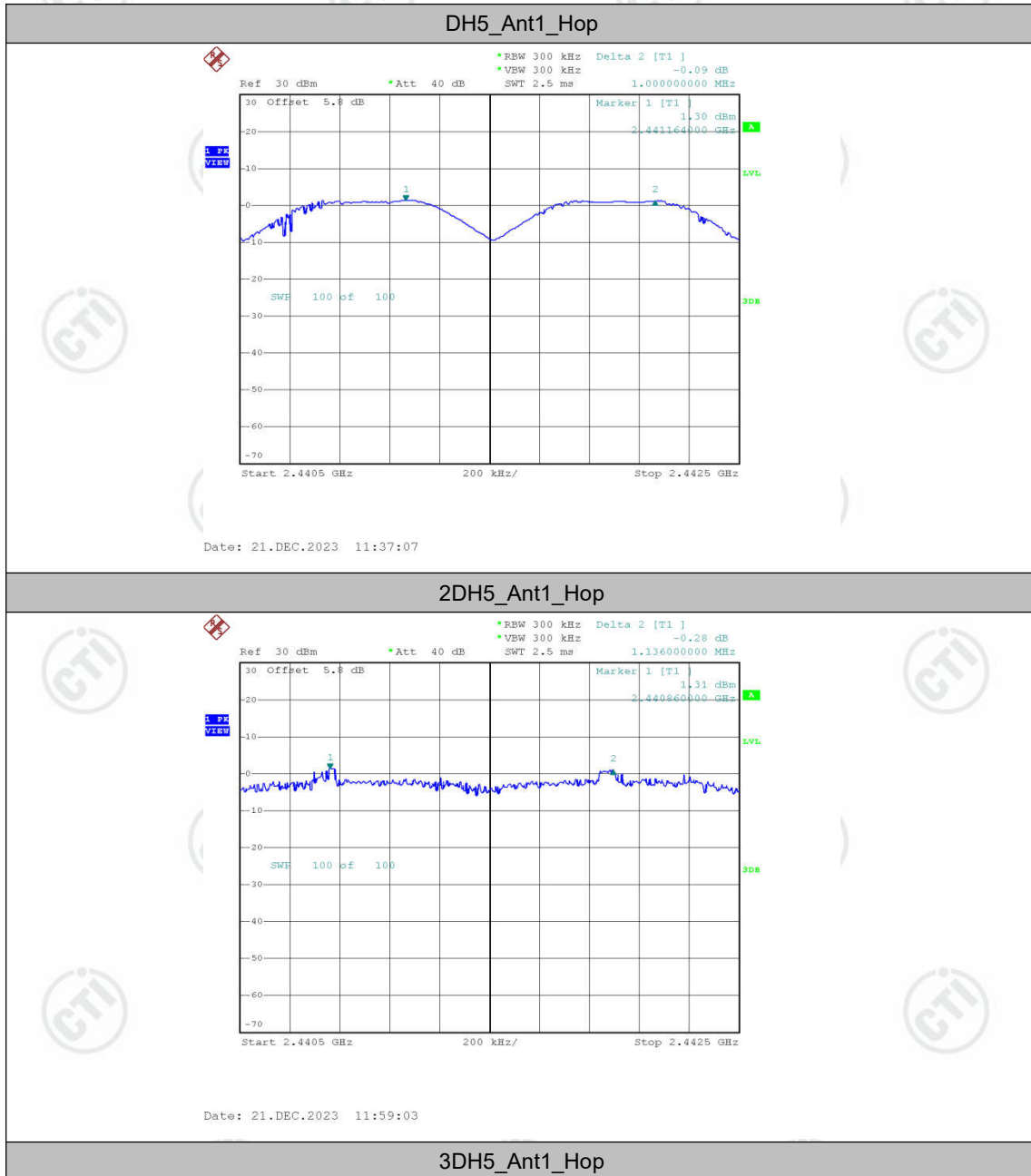
3DH5_Ant1_2480

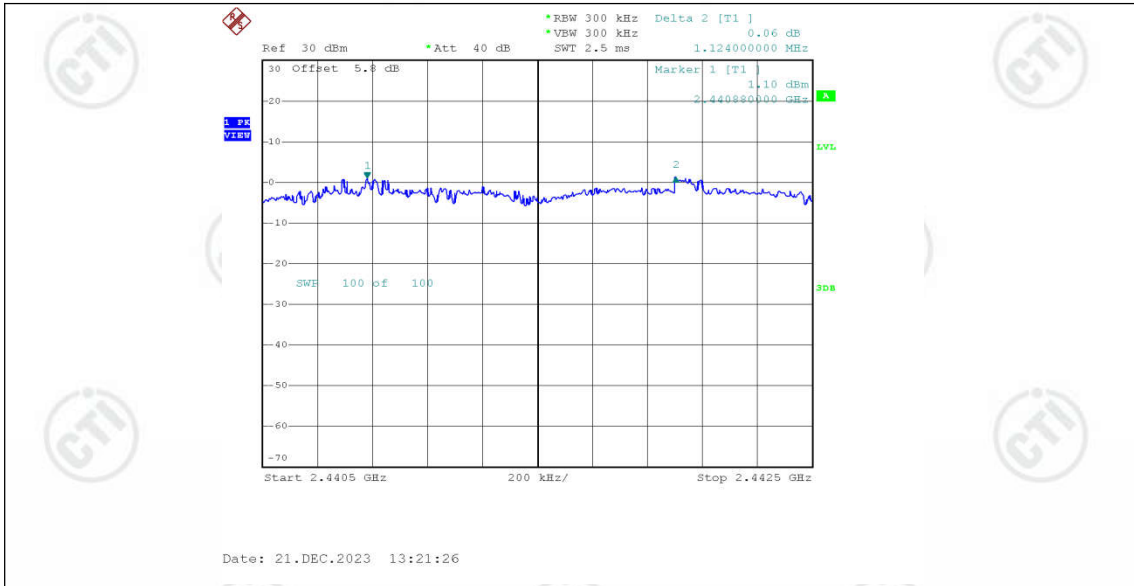


Appendix D: Carrier frequency separation**Test Result**

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1	≥0.960	PASS
2DH5	Ant1	Hop	1.136	≥0.860	PASS
3DH5	Ant1	Hop	1.124	≥0.860	PASS

Test Graphs

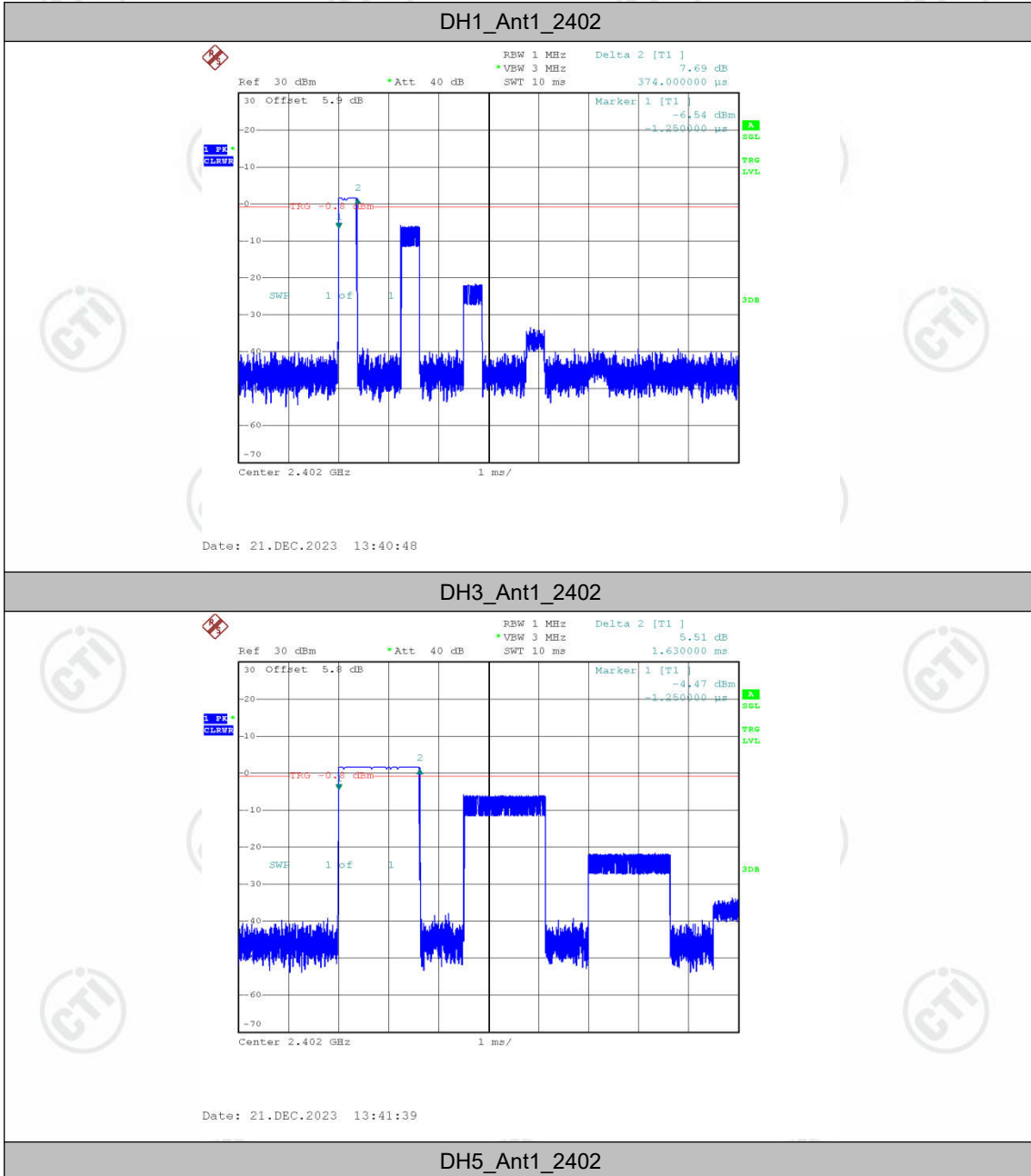


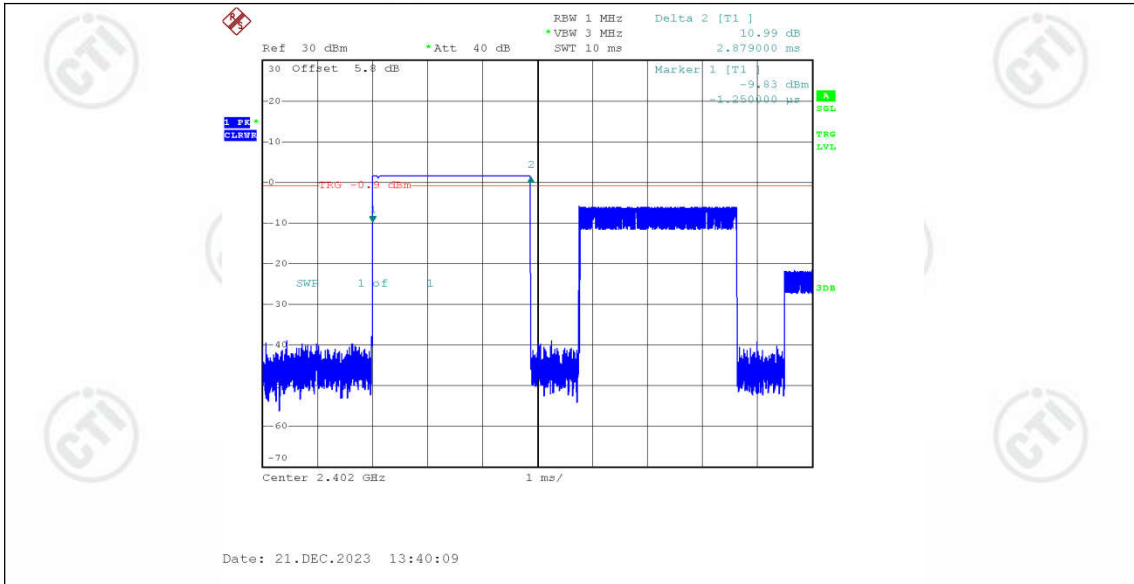


Appendix E: Time of occupancy**Test Result**

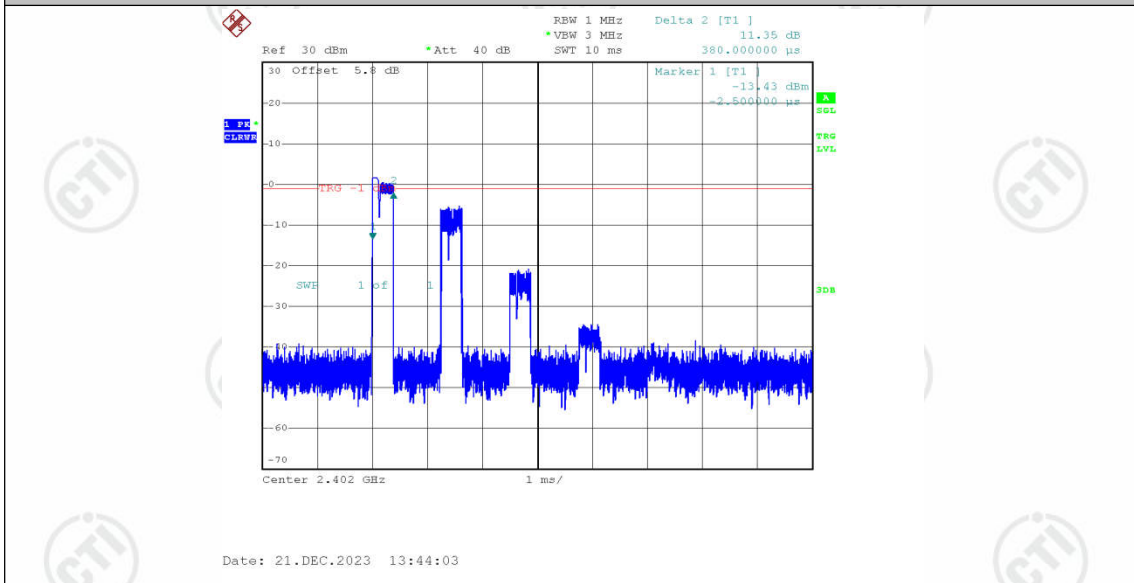
Test Mode	Antenna	Frequency [MHz]	BurstWidth [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH1	Ant1	2402	0.374	320	0.12	≤0.4	PASS
DH3	Ant1	2402	1.630	160	0.261	≤0.4	PASS
DH5	Ant1	2402	2.879	106.67	0.307	≤0.4	PASS
2DH1	Ant1	2402	0.380	320	0.122	≤0.4	PASS
2DH3	Ant1	2402	1.633	160	0.261	≤0.4	PASS
2DH5	Ant1	2402	2.880	106.67	0.307	≤0.4	PASS
3DH1	Ant1	2402	0.380	320	0.122	≤0.4	PASS
3DH3	Ant1	2402	1.631	160	0.261	≤0.4	PASS
3DH5	Ant1	2402	2.883	106.67	0.308	≤0.4	PASS

Test Graphs

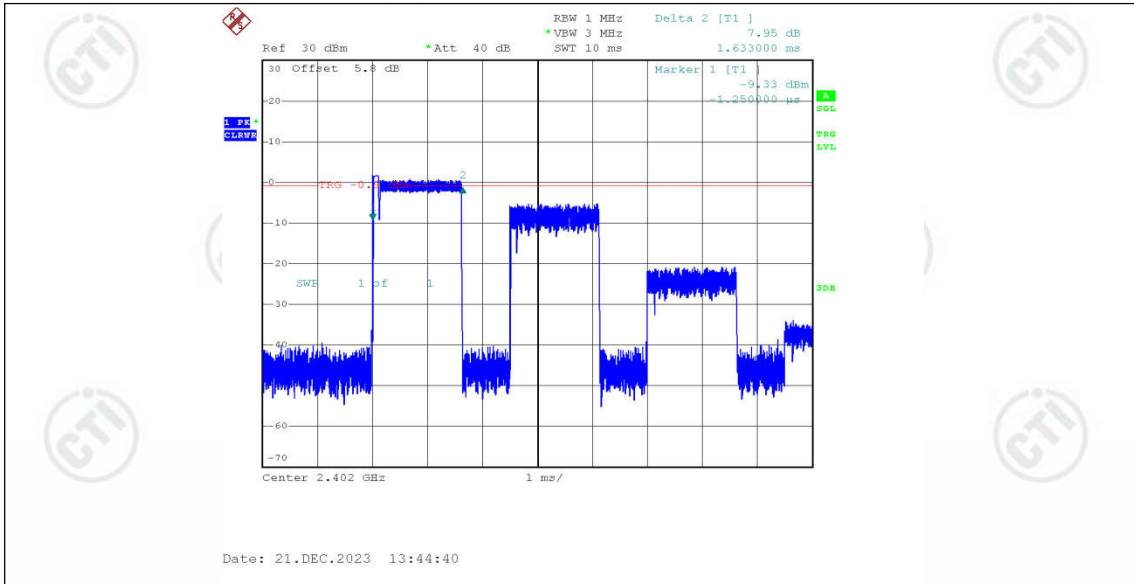




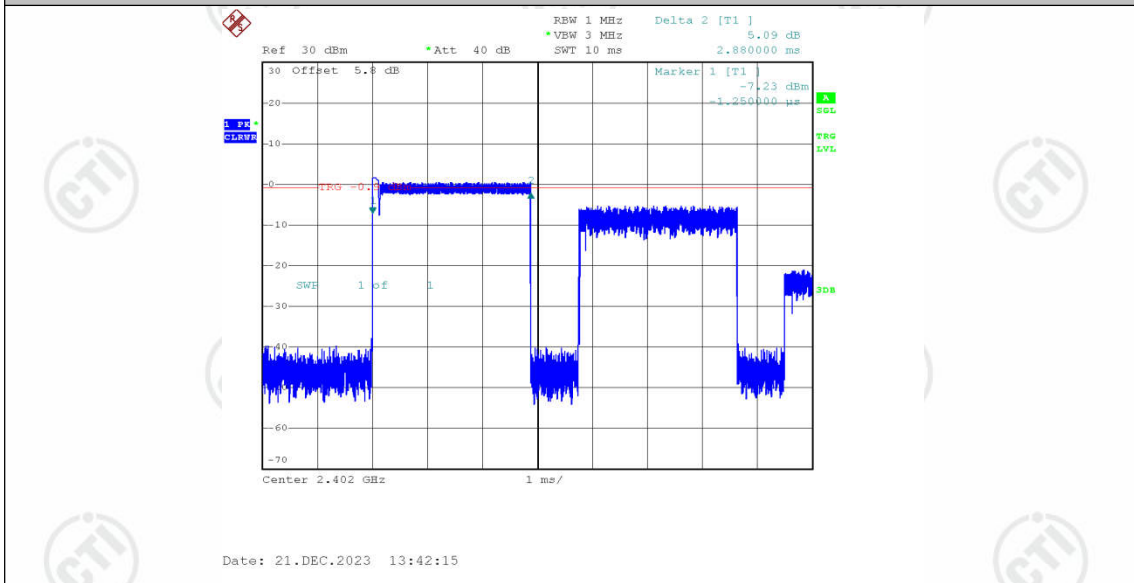
2DH1_Ant1_2402



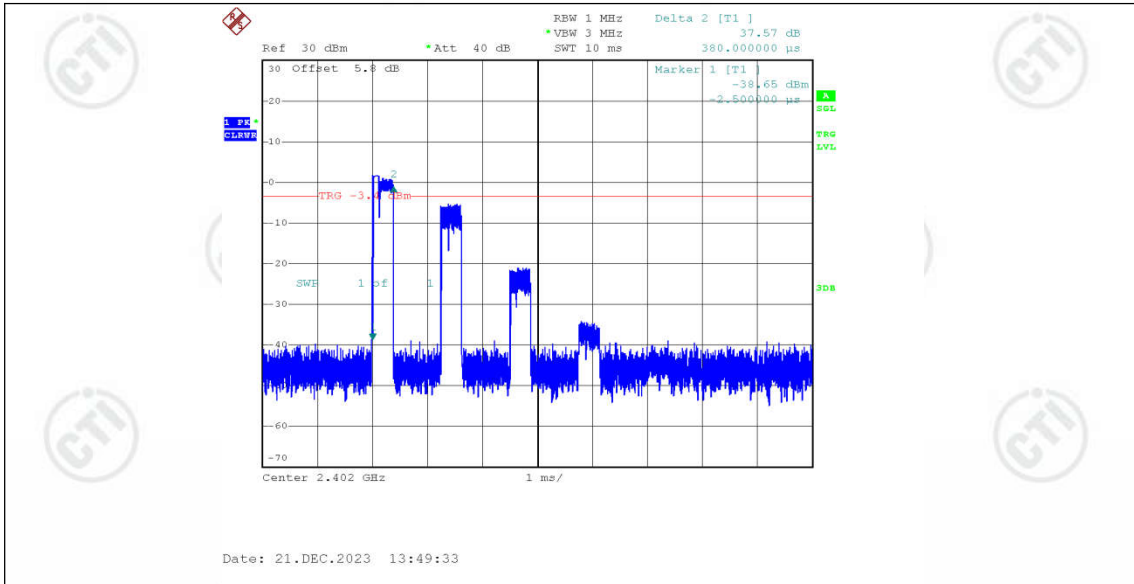
2DH3_Ant1_2402



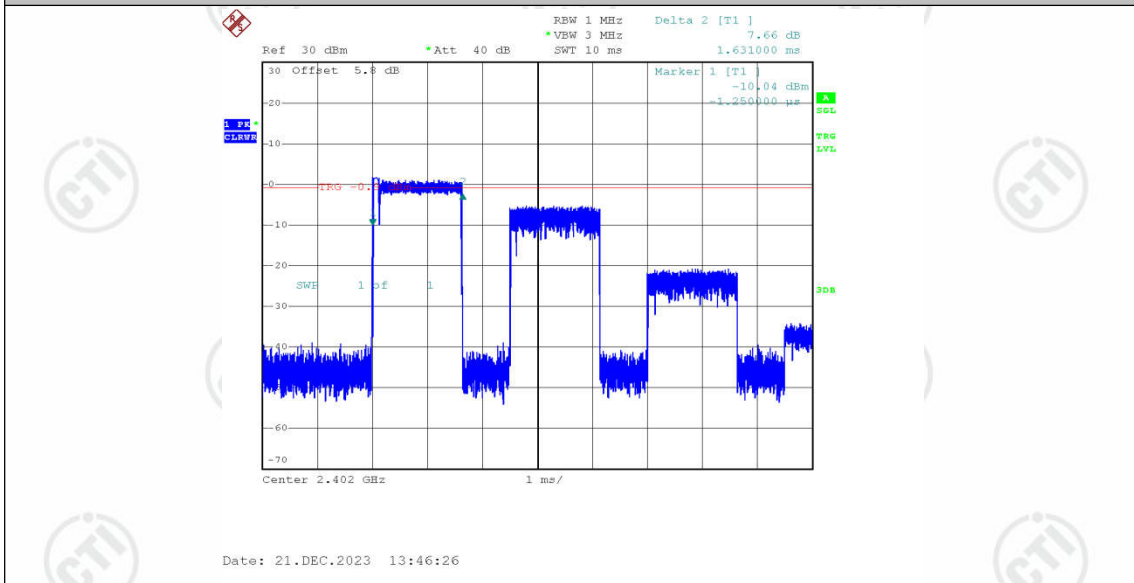
2DH5_Ant1_2402



3DH1_Ant1_2402



3DH3_Ant1_2402

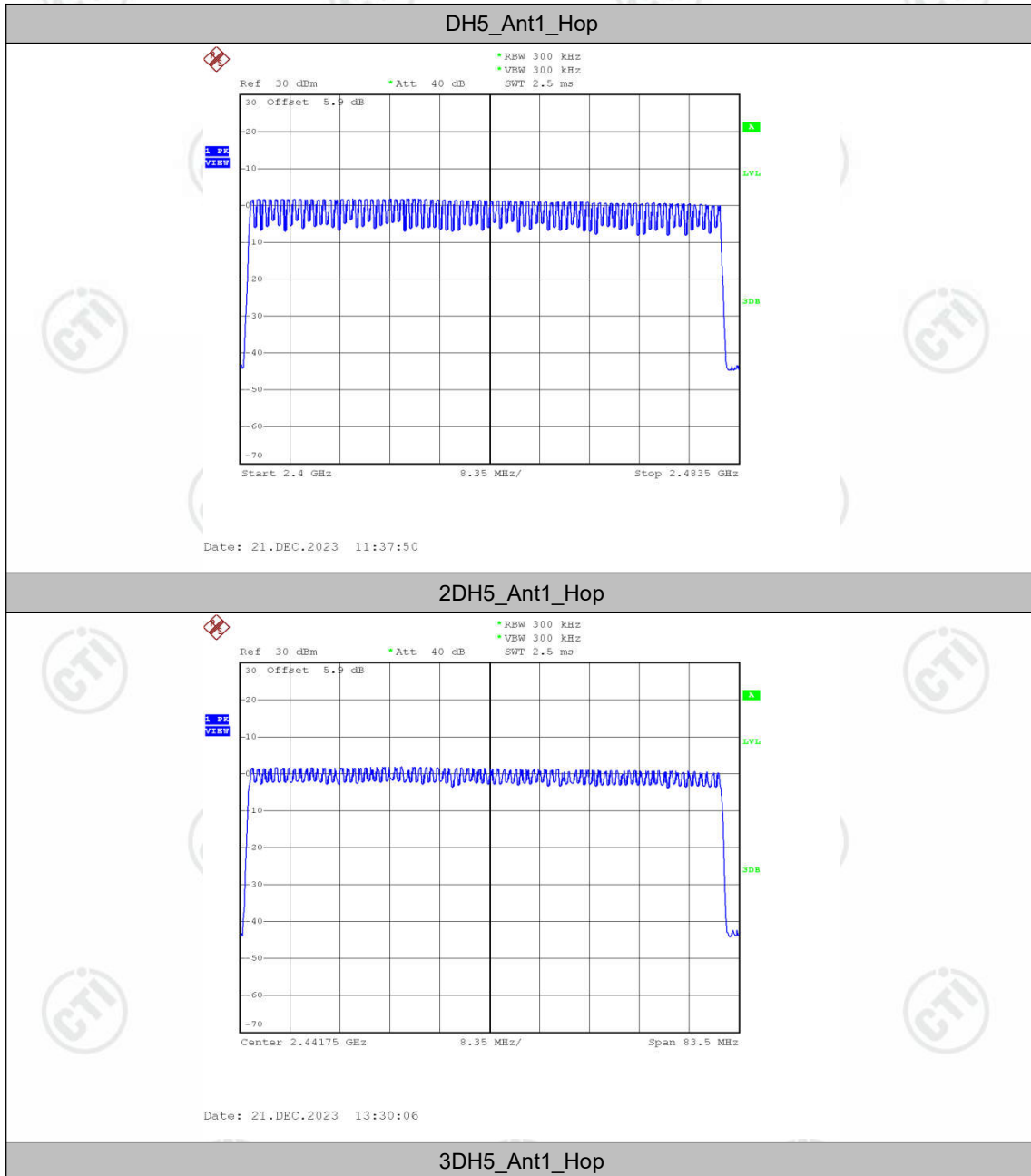


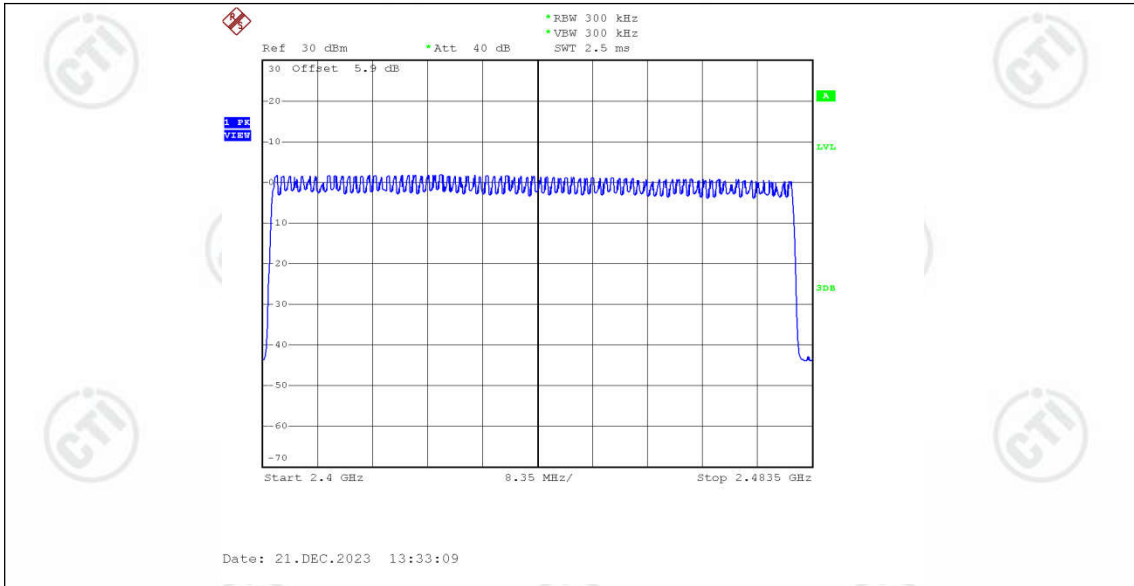
3DH5_Ant1_2402

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

Test Graphs



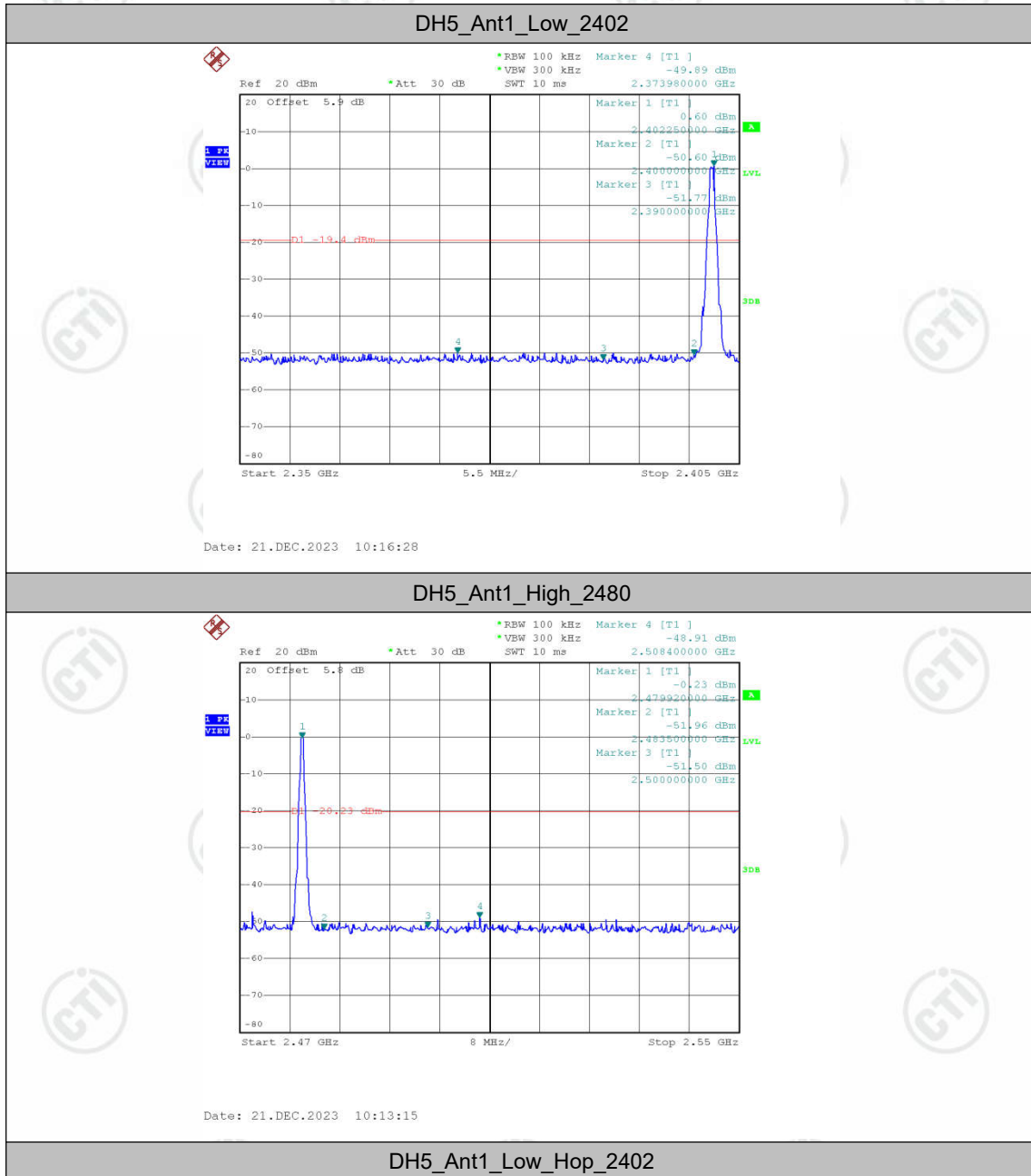


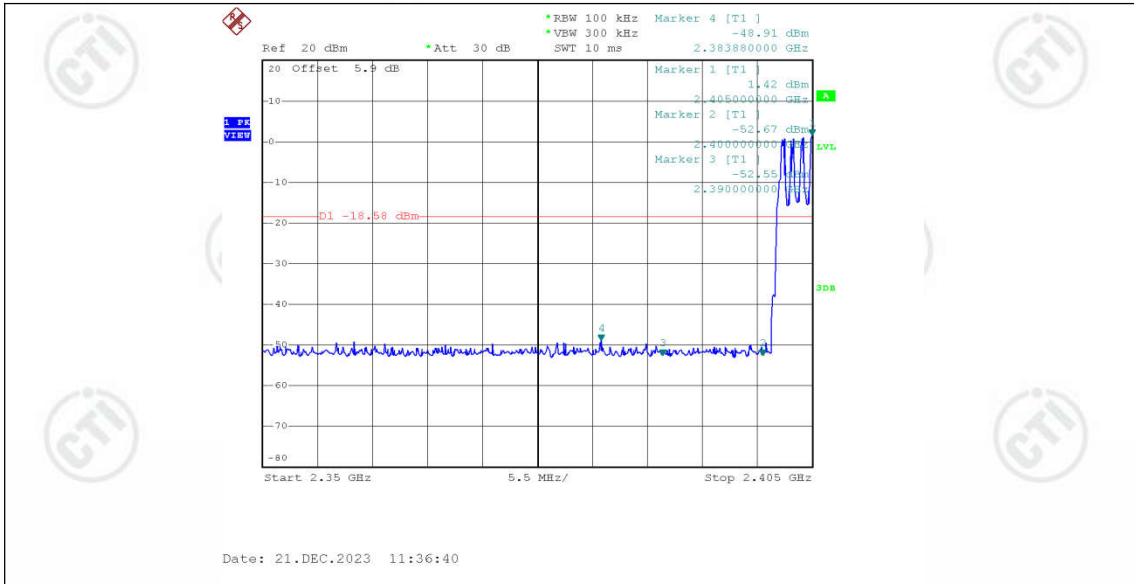
Appendix G: Band edge measurements

Test Result

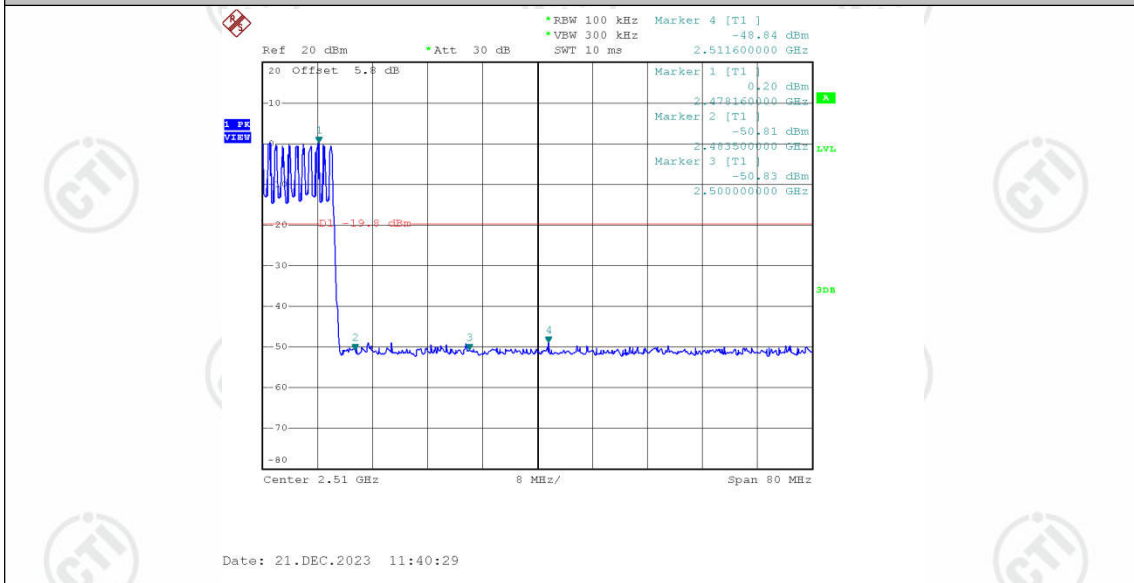
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.60	-49.89	≤-19.4	PASS
		High	2480	-0.23	-48.91	≤-20.23	PASS
		Low	Hop_2402	1.42	-48.91	≤-18.58	PASS
		High	Hop_2480	0.20	-48.84	≤-19.8	PASS
2DH5	Ant1	Low	2402	0.62	-49.03	≤-19.38	PASS
		High	2480	-0.69	-49.53	≤-20.69	PASS
		Low	Hop_2402	1.82	-48.75	≤-18.18	PASS
		High	Hop_2480	0.35	-48.52	≤-19.65	PASS
3DH5	Ant1	Low	2402	-0.38	-49.22	≤-20.38	PASS
		High	2480	0.25	-49.37	≤-19.75	PASS
		Low	Hop_2402	1.08	-49.07	≤-18.92	PASS
		High	Hop_2480	-0.83	-48.93	≤-20.83	PASS

Test Graphs

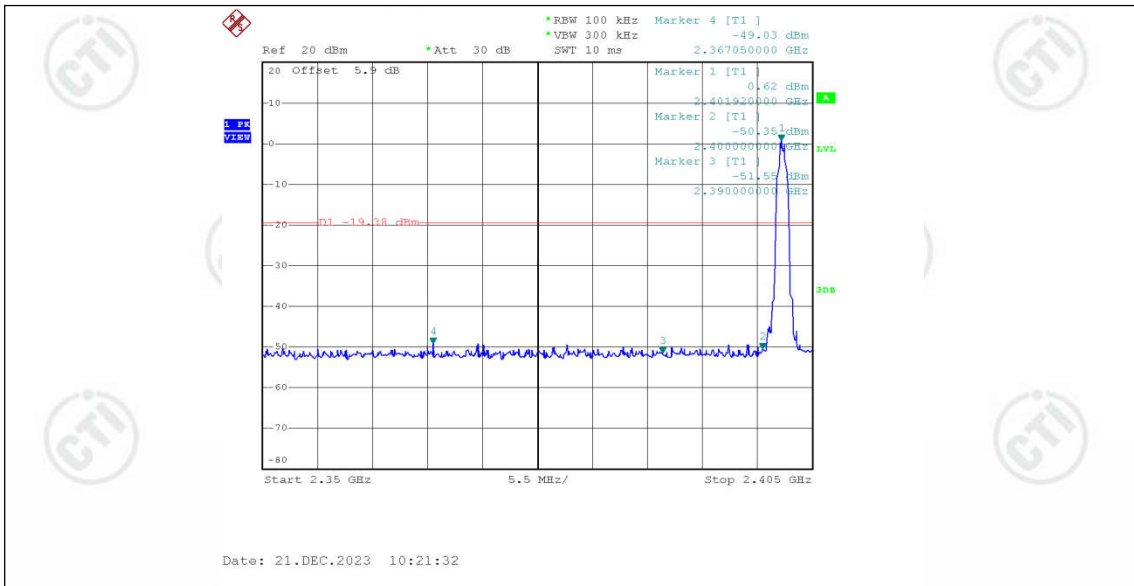




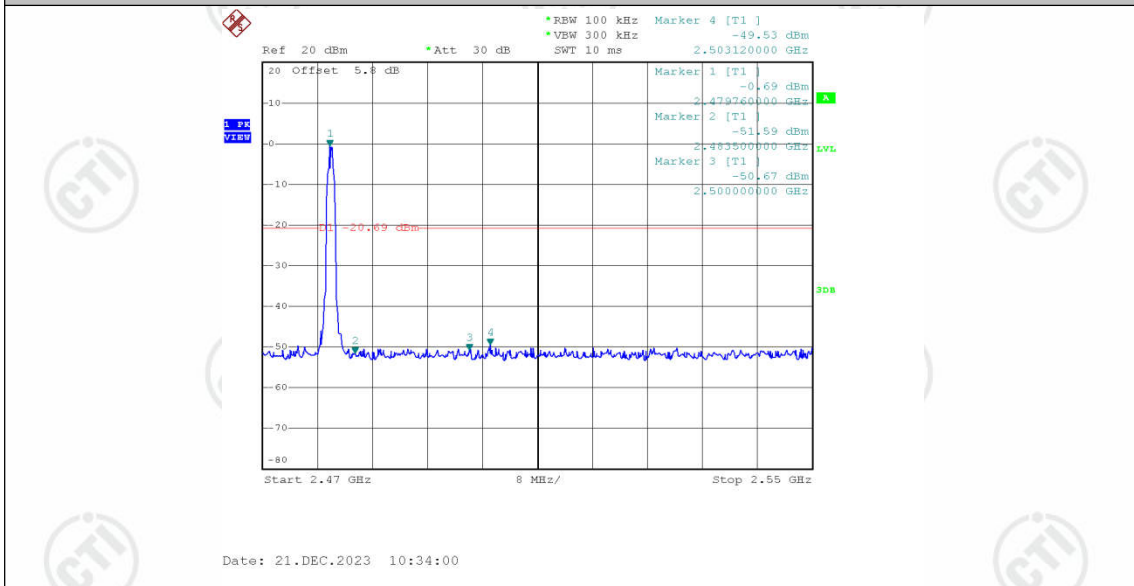
DH5_Ant1_High_Hop_2480



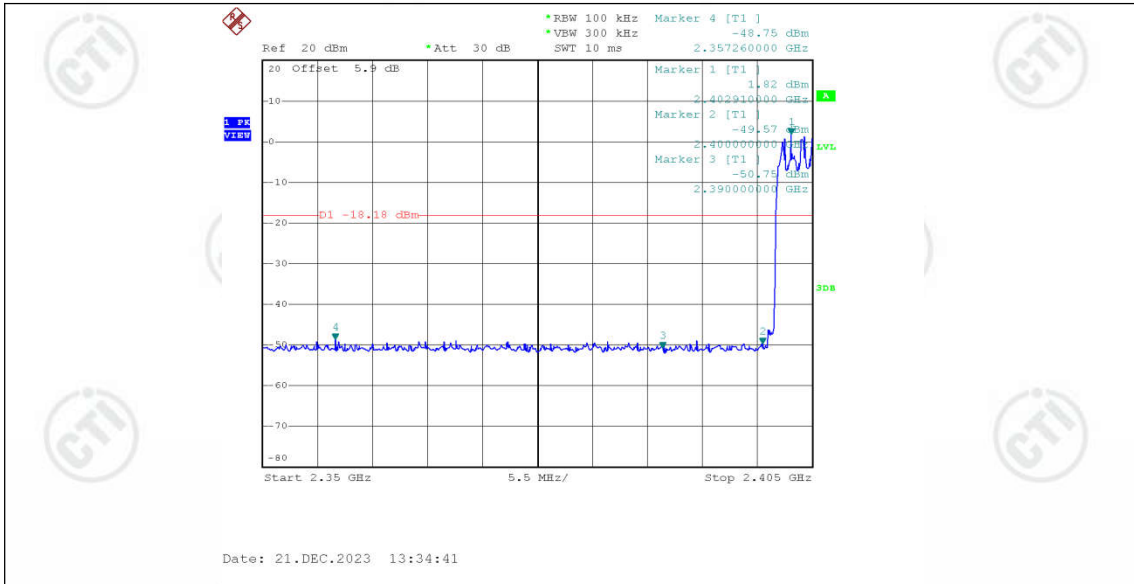
2DH5_Ant1_Low_2402



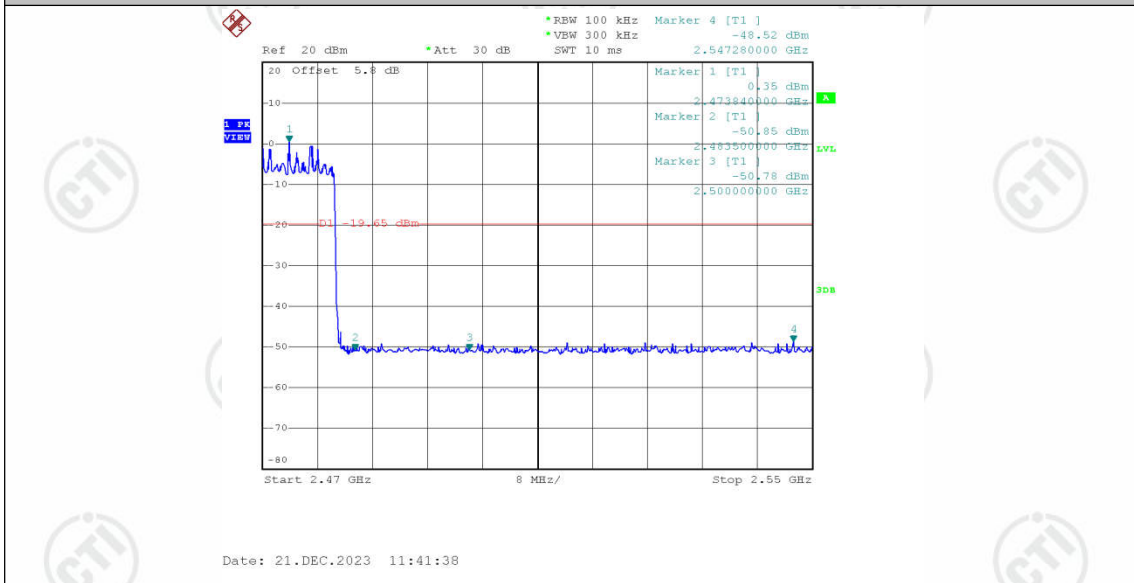
2DH5_Ant1_High_2480



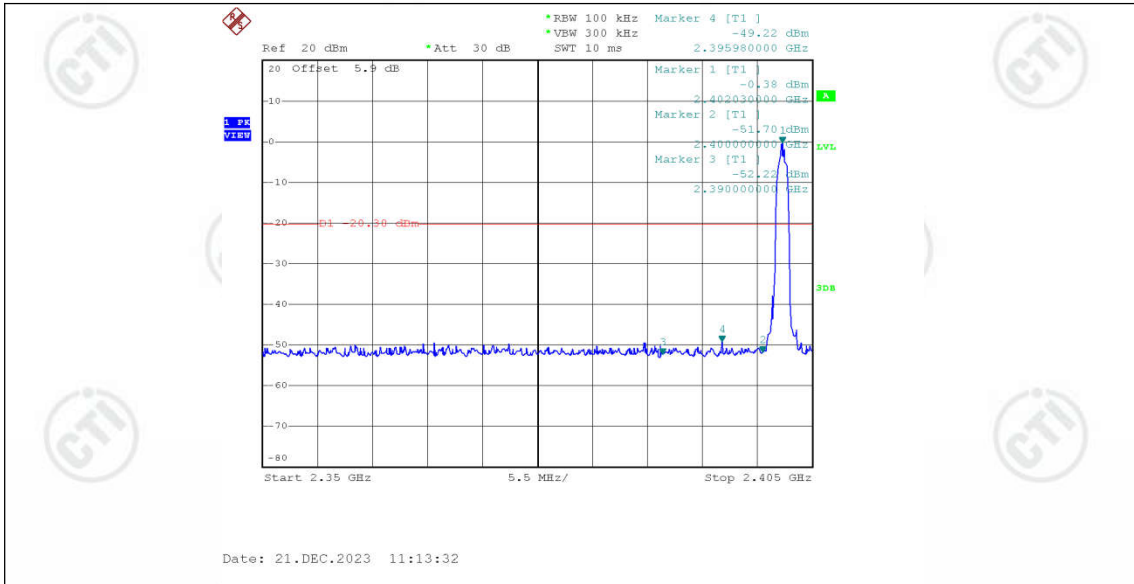
2DH5_Ant1_Low_Hop_2402



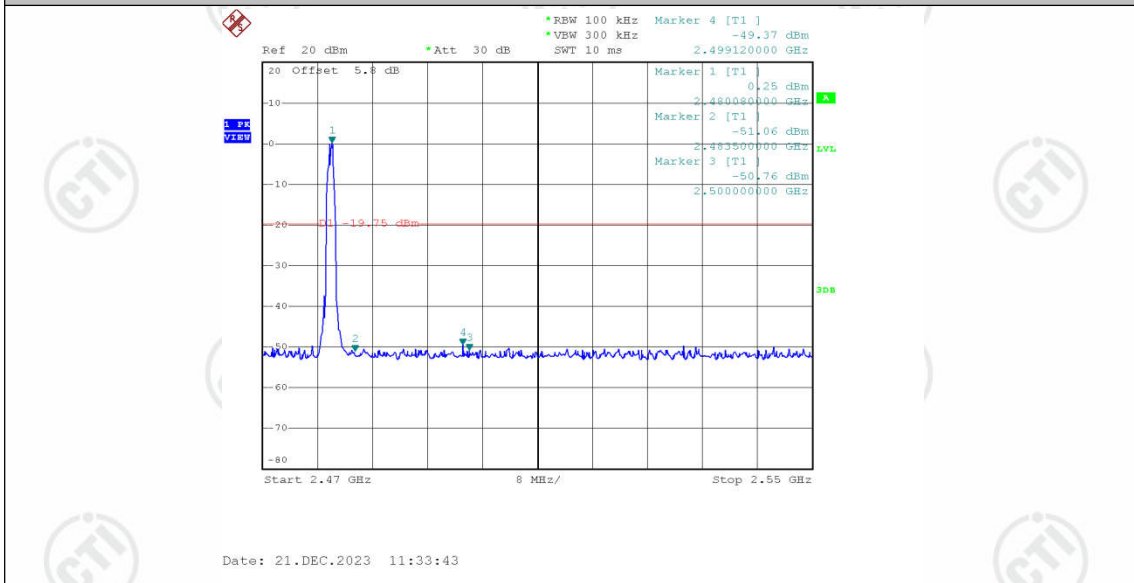
2DH5_Ant1_High_Hop_2480



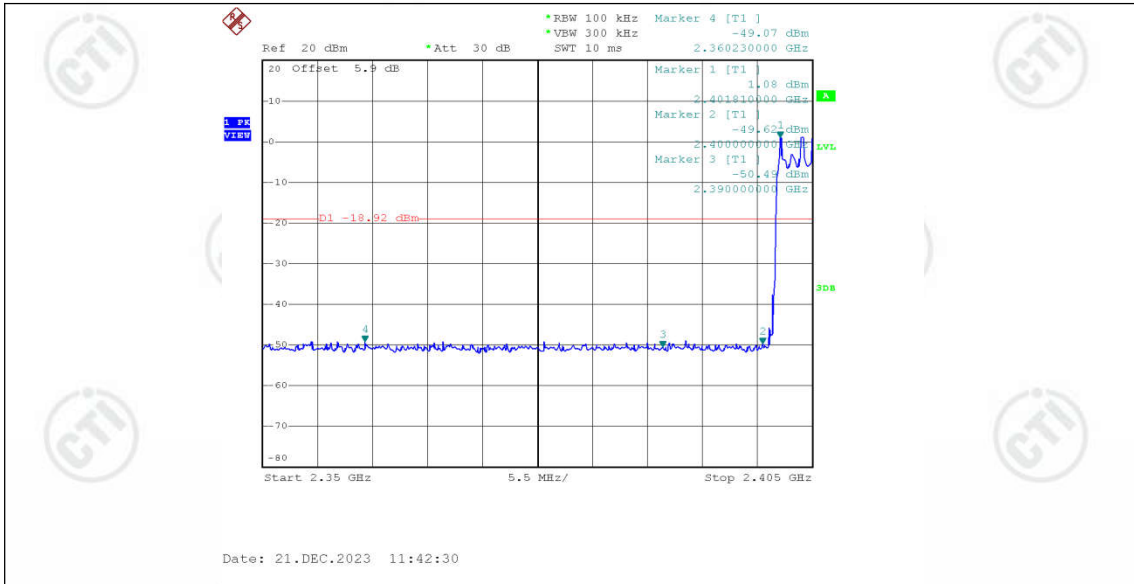
3DH5_Ant1_Low_2402



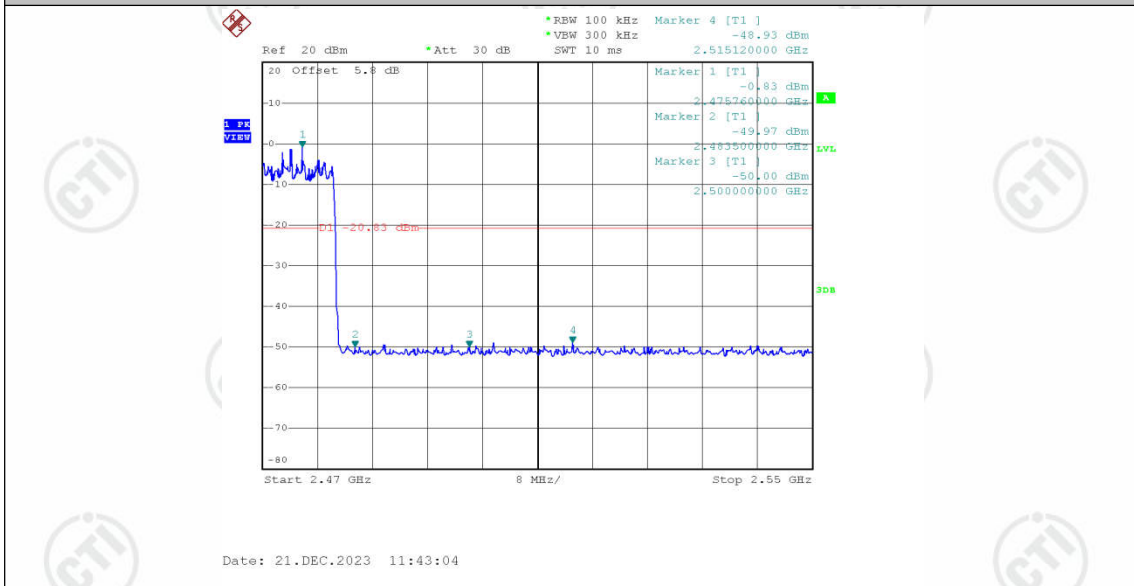
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

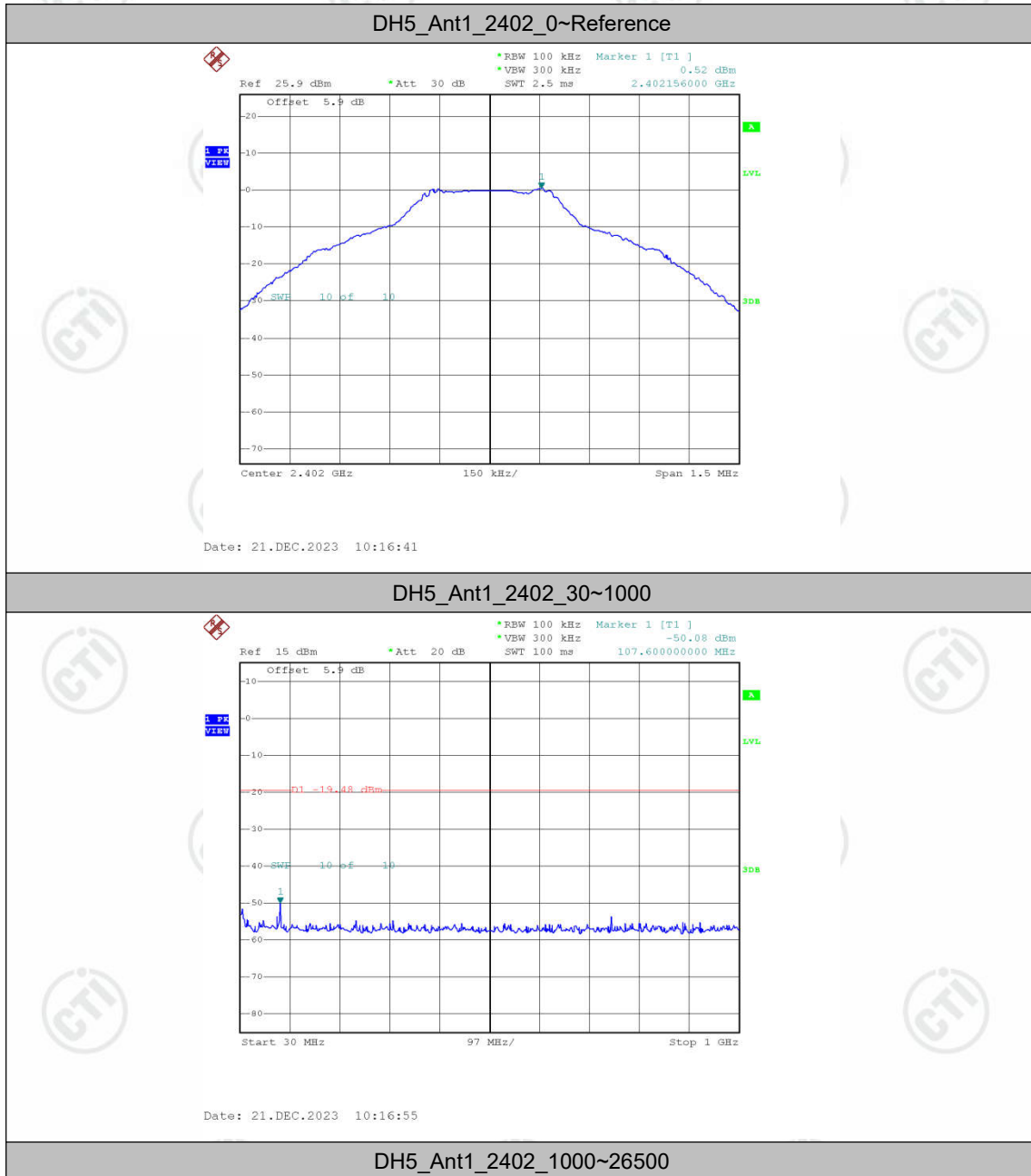


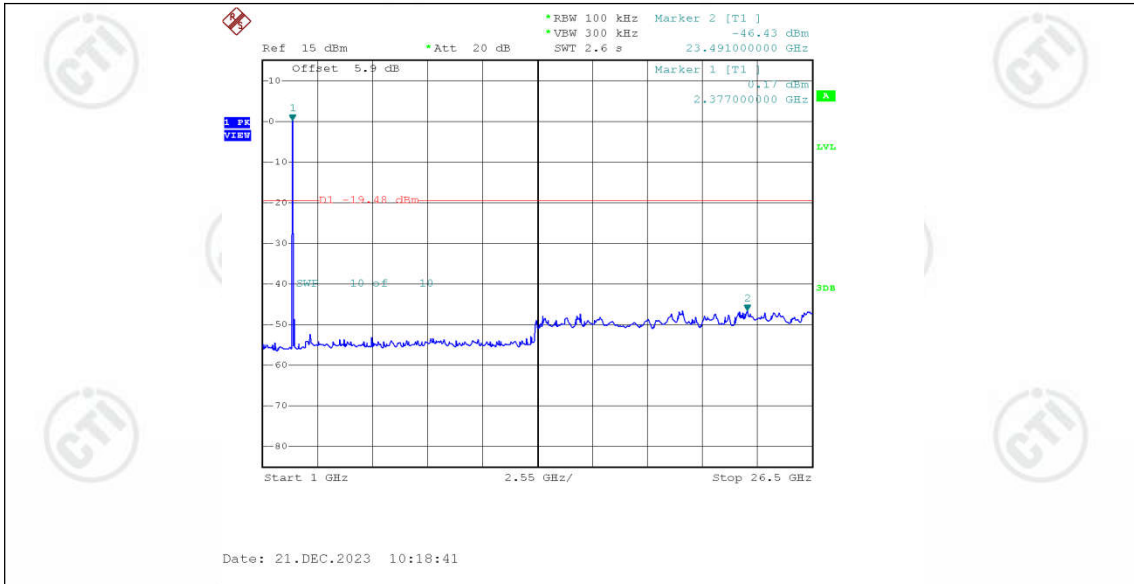
Appendix H: Conducted Spurious Emission

Test Result

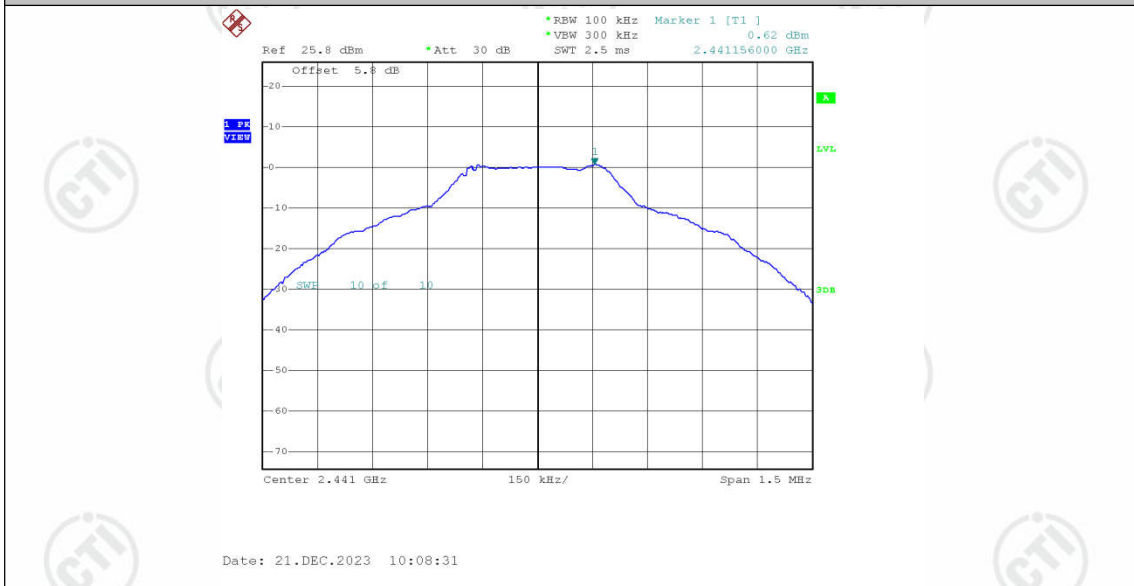
Test Mode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.52	0.52	---	PASS
			30~1000	0.52	-50.08	≤-19.48	PASS
			1000~26500	0.52	-46.43	≤-19.48	PASS
		2441	Reference	0.62	0.62	---	PASS
			30~1000	0.62	-52.19	≤-19.38	PASS
			1000~26500	0.62	-45.79	≤-19.38	PASS
		2480	Reference	-0.09	-0.09	---	PASS
			30~1000	-0.09	-52.25	≤-20.09	PASS
			1000~26500	-0.09	-46	≤-20.09	PASS
2DH5	Ant1	2402	Reference	0.52	0.52	---	PASS
			30~1000	0.52	-52.97	≤-19.48	PASS
			1000~26500	0.52	-45.9	≤-19.48	PASS
		2441	Reference	0.68	0.68	---	PASS
			30~1000	0.68	-47.46	≤-19.32	PASS
			1000~26500	0.68	-45.59	≤-19.32	PASS
		2480	Reference	0.01	0.01	---	PASS
			30~1000	0.01	-51.5	≤-19.99	PASS
			1000~26500	0.01	-46.45	≤-19.99	PASS
3DH5	Ant1	2402	Reference	0.68	0.68	---	PASS
			30~1000	0.68	-52.32	≤-19.32	PASS
			1000~26500	0.68	-45.66	≤-19.32	PASS
		2441	Reference	0.36	0.36	---	PASS
			30~1000	0.36	-50.35	≤-19.64	PASS
			1000~26500	0.36	-46.08	≤-19.64	PASS
		2480	Reference	0.11	0.11	---	PASS
			30~1000	0.11	-49.1	≤-19.89	PASS
			1000~26500	0.11	-41.96	≤-19.89	PASS

Test Graphs

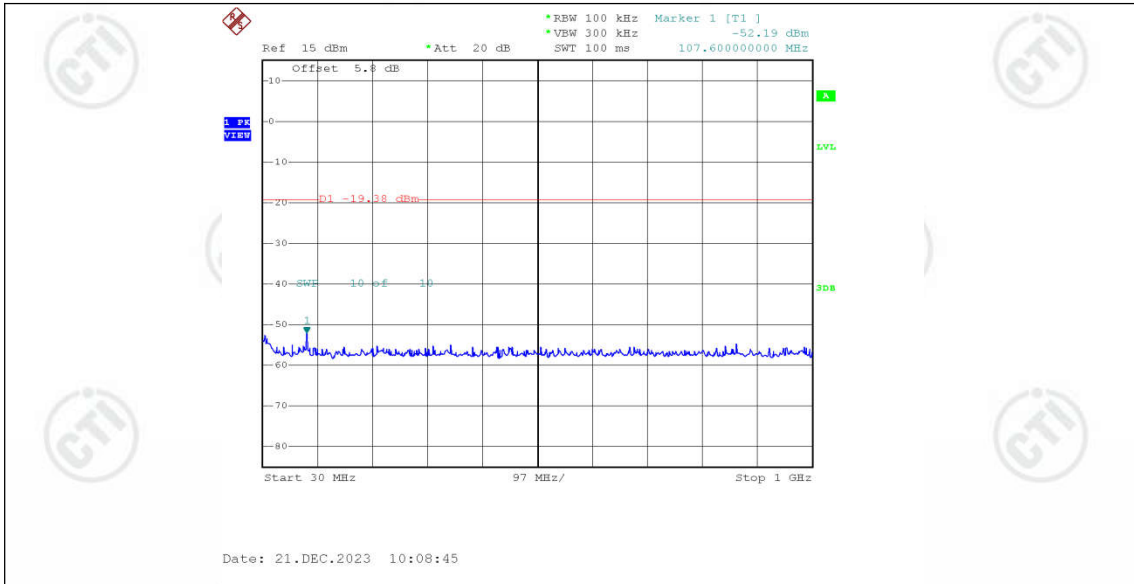




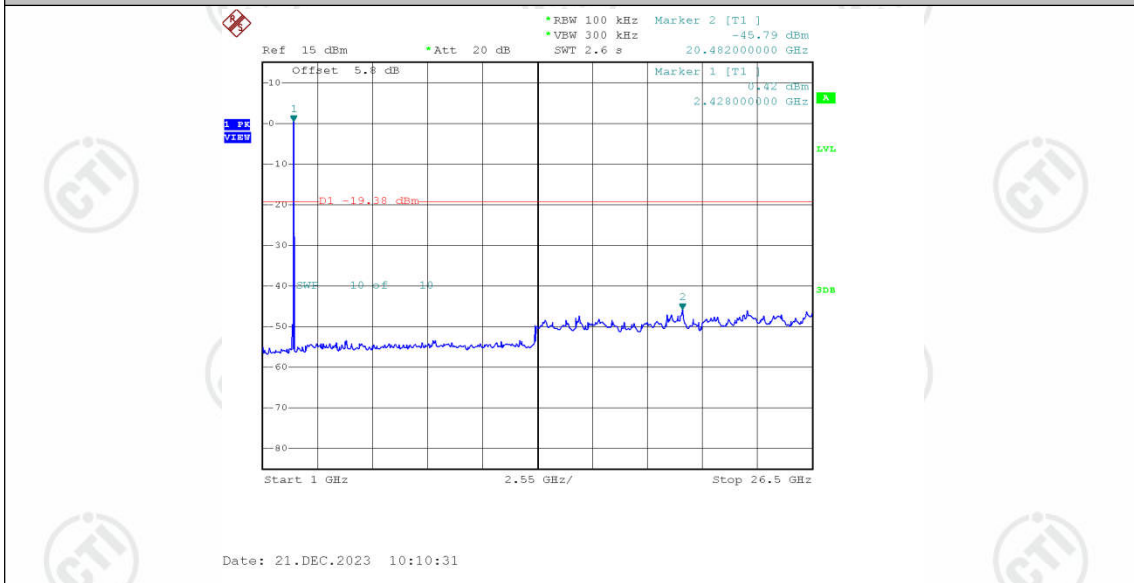
DH5_Ant1_2441_0~Reference



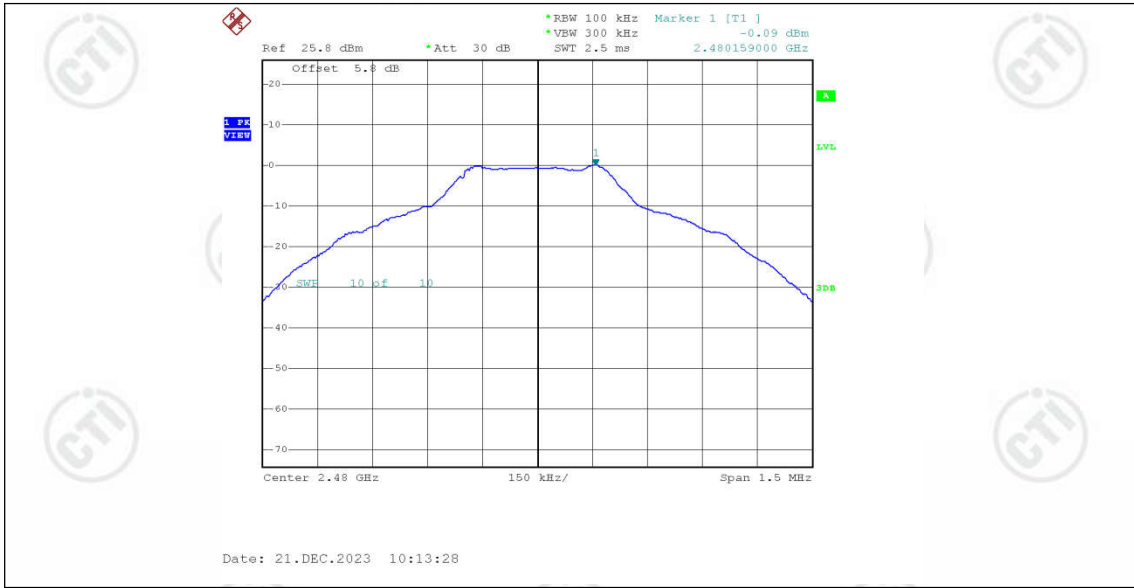
DH5_Ant1_2441_30~1000



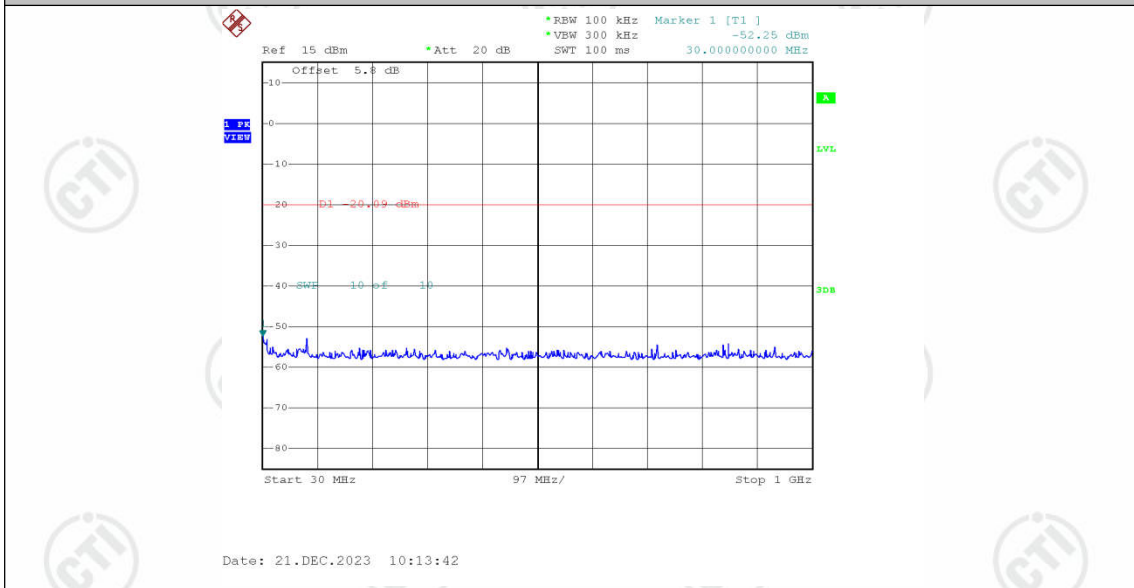
DH5_Ant1_2441_1000~26500



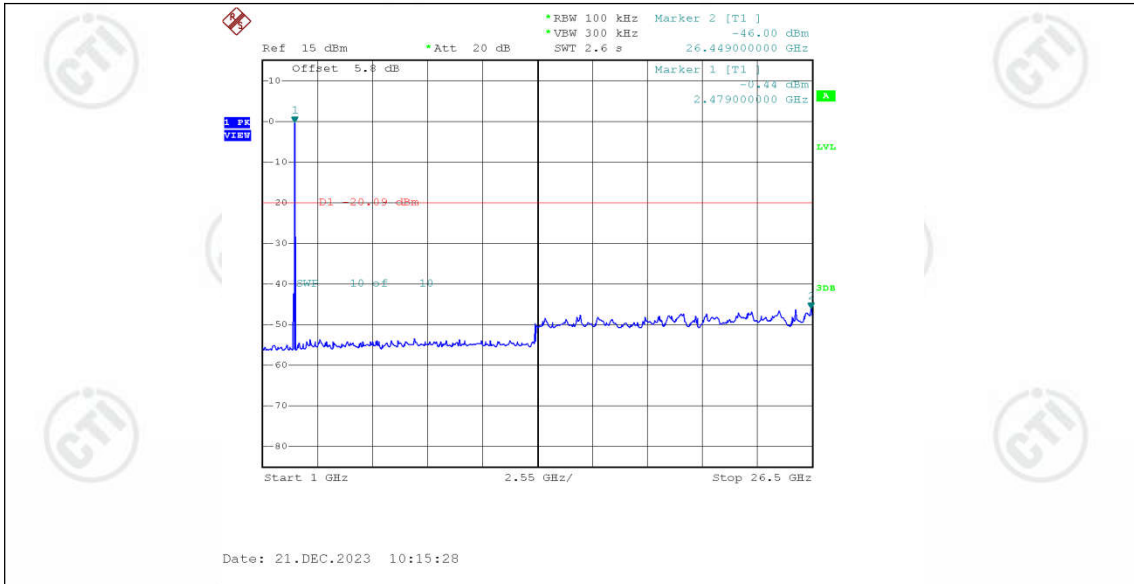
DH5_Ant1_2480_0~Reference



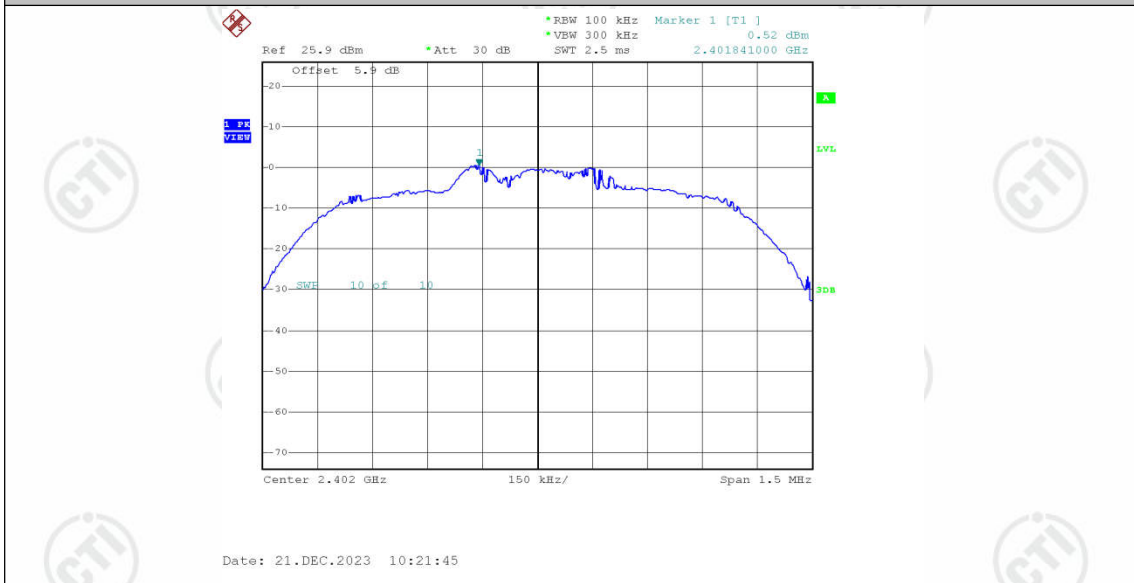
DH5_Ant1_2480_30~1000



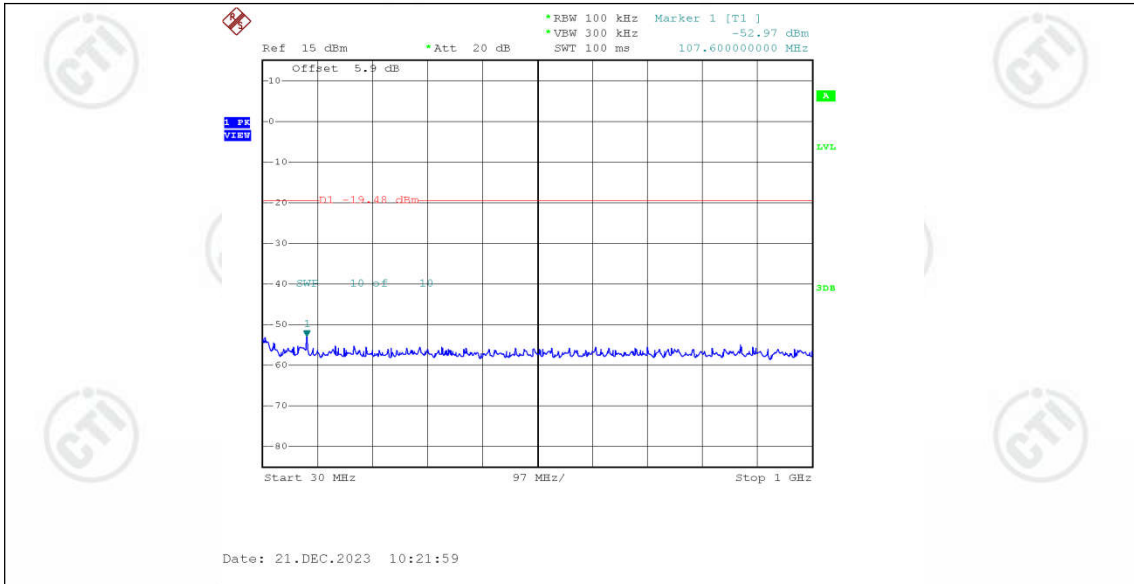
DH5_Ant1_2480_1000~26500



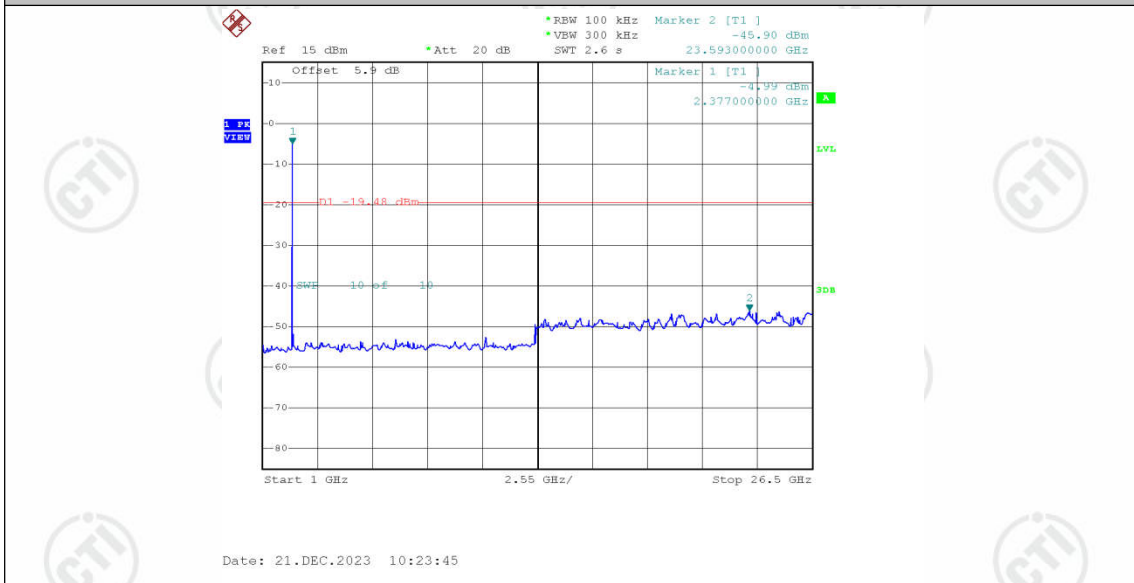
2DH5_Ant1_2402_0~Reference



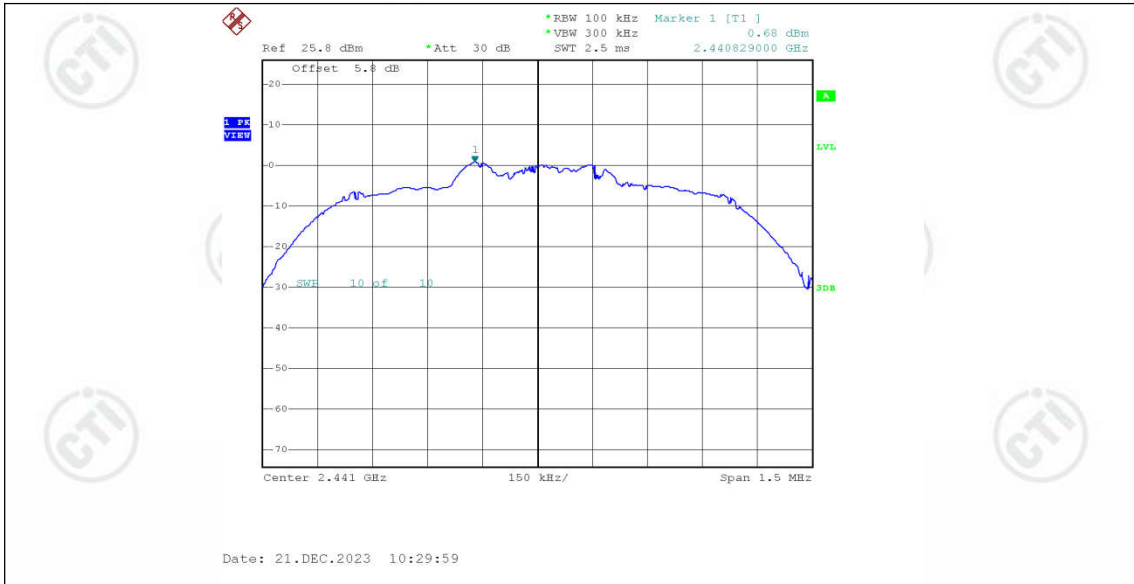
2DH5_Ant1_2402_30~1000



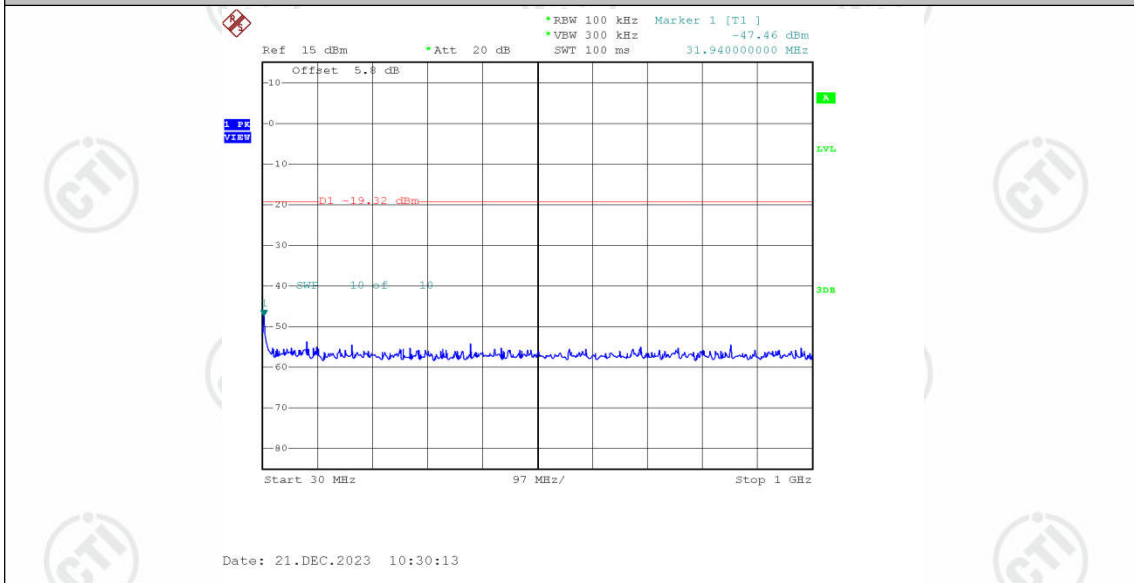
2DH5_Ant1_2402_1000~26500



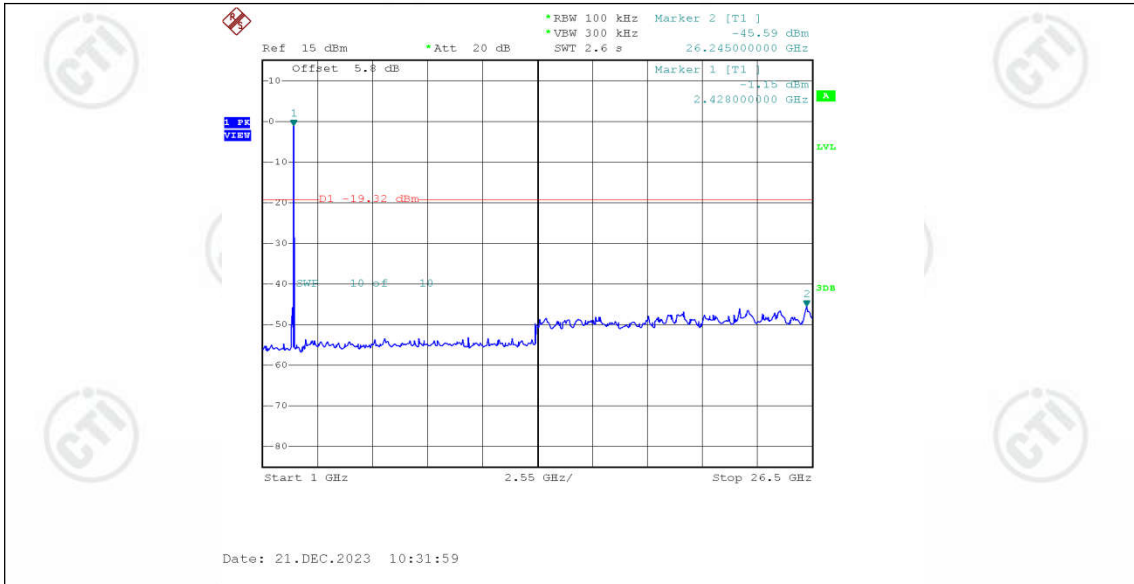
2DH5_Ant1_2441_0~Reference



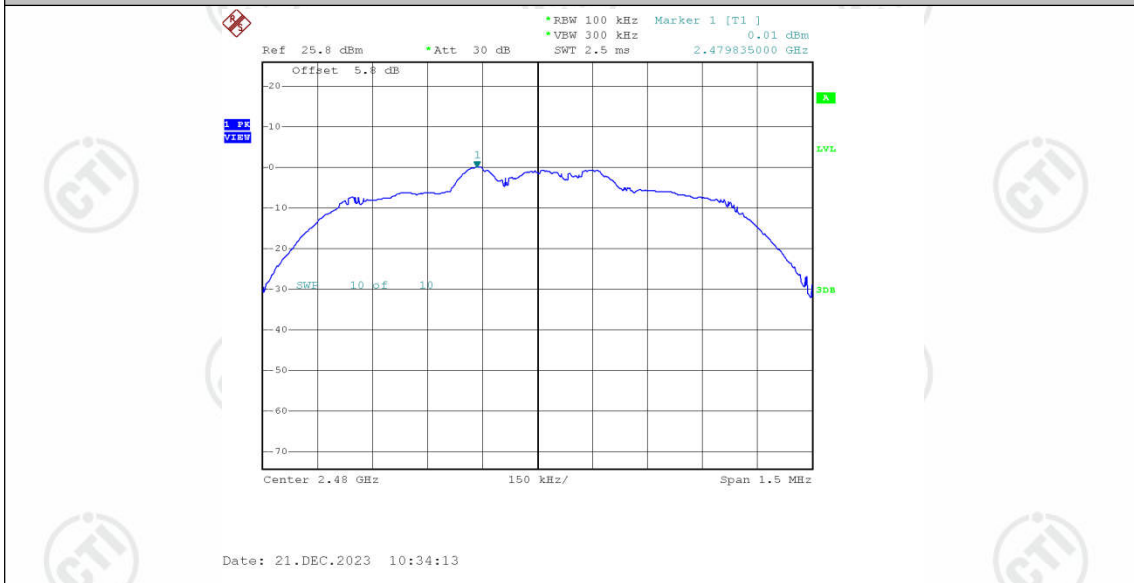
2DH5_Ant1_2441_30~1000



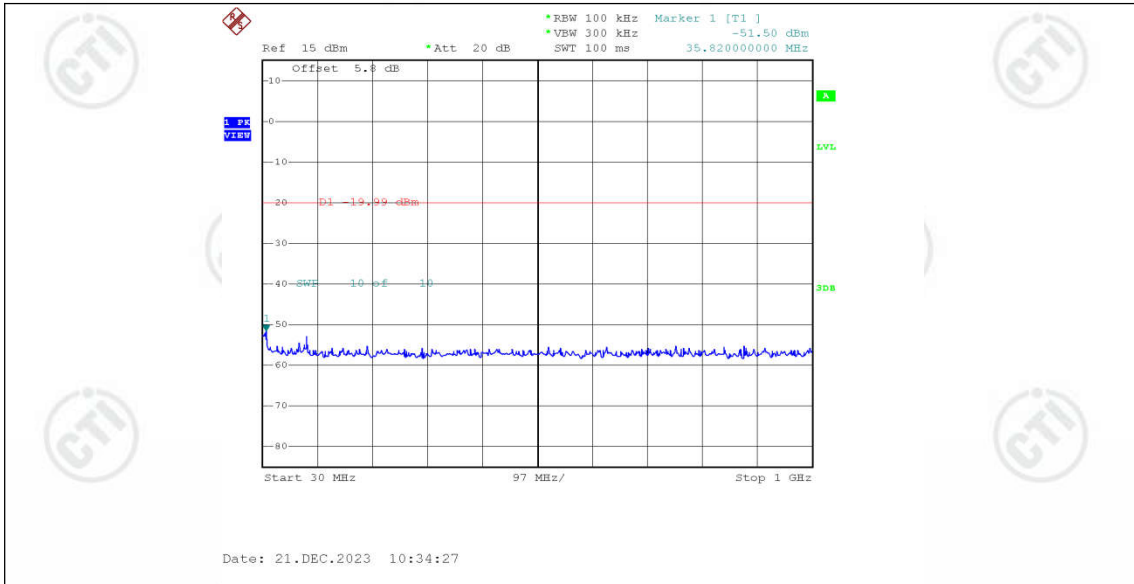
2DH5_Ant1_2441_1000~26500



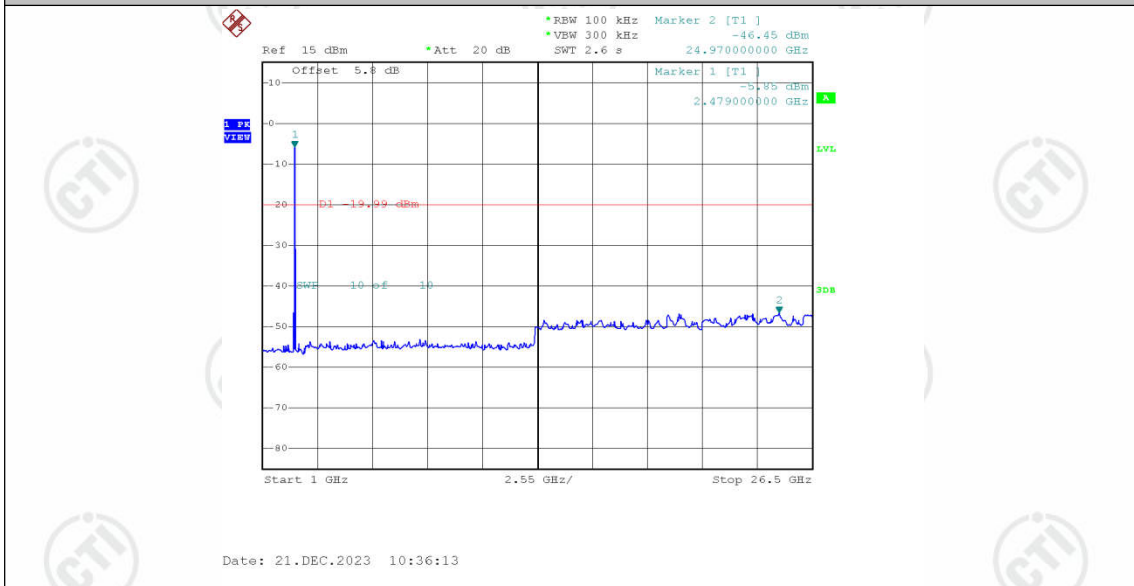
2DH5_Ant1_2480_0~Reference



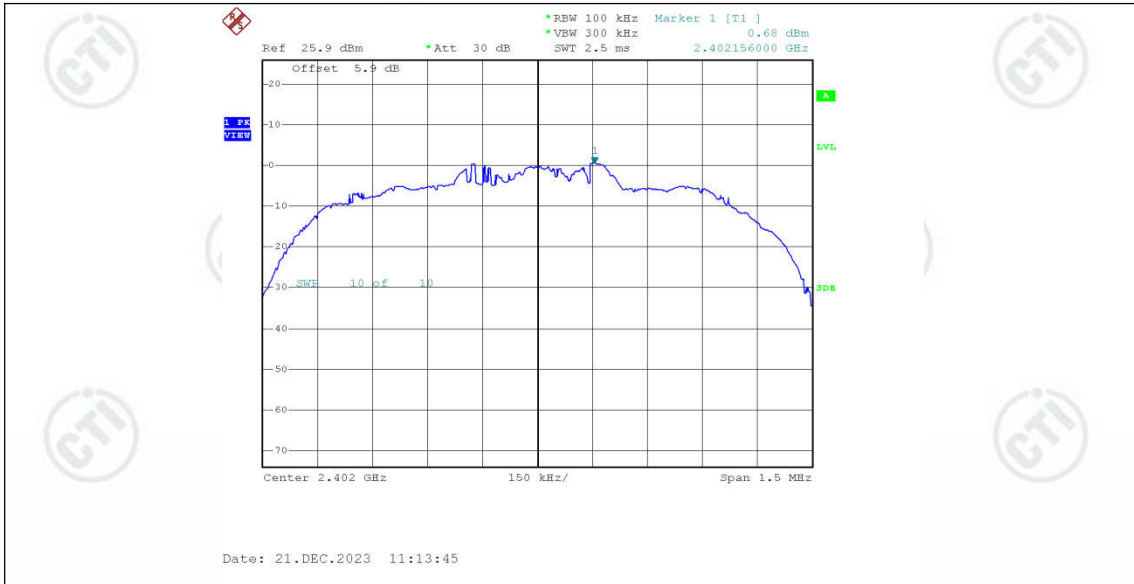
2DH5_Ant1_2480_30~1000



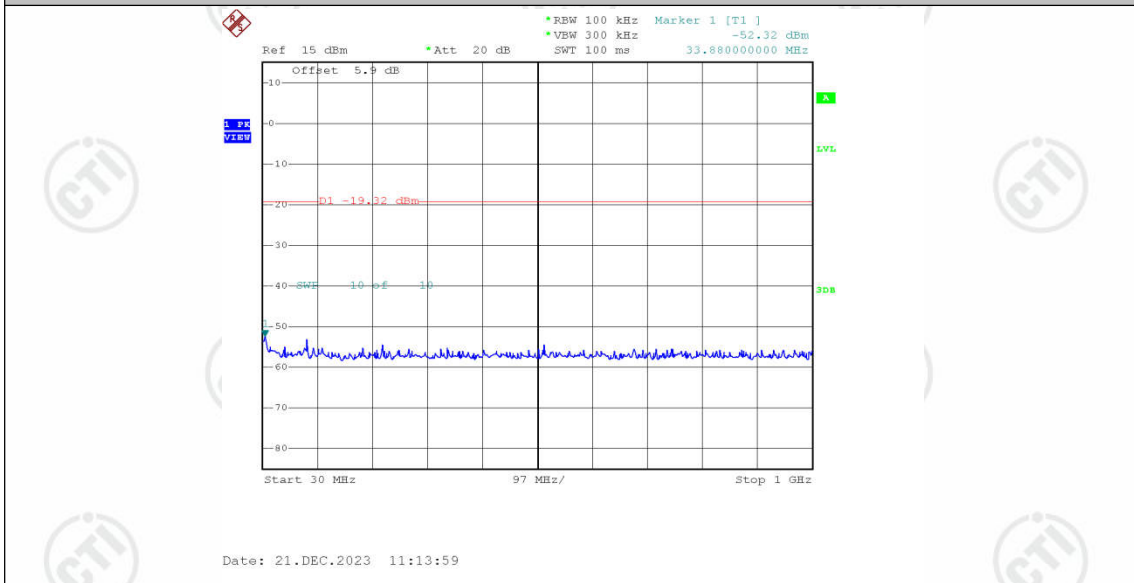
2DH5_Ant1_2480_1000~26500



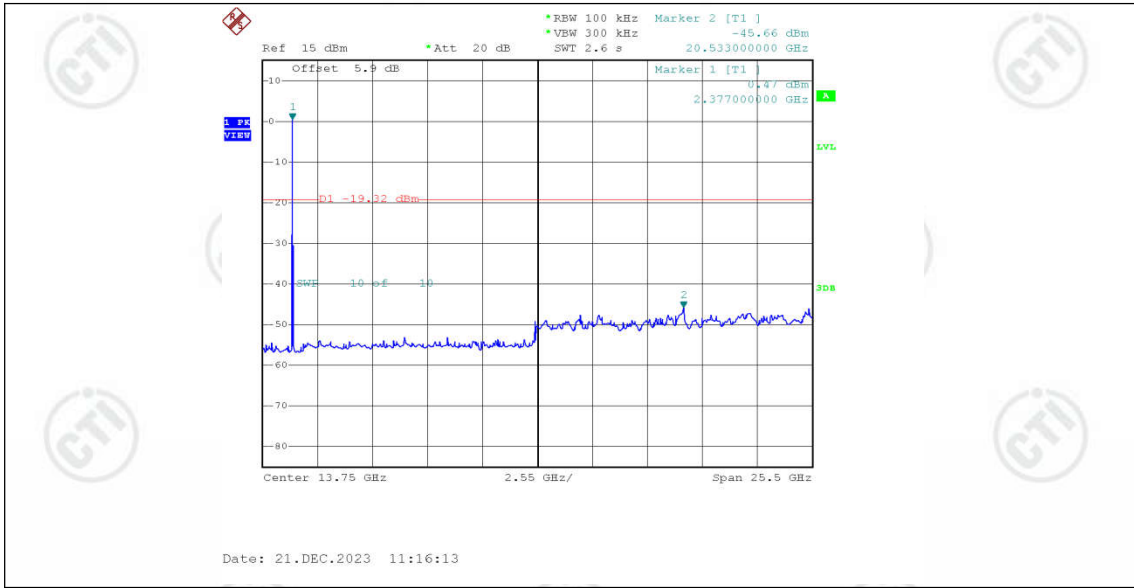
3DH5_Ant1_2402_0~Reference



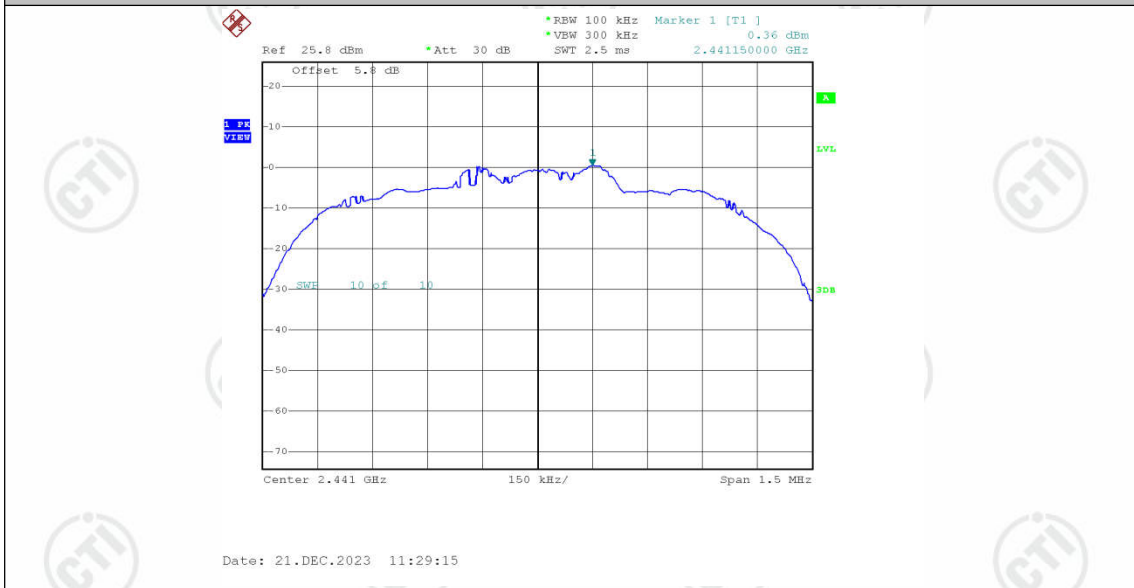
3DH5_Ant1_2402_30~1000



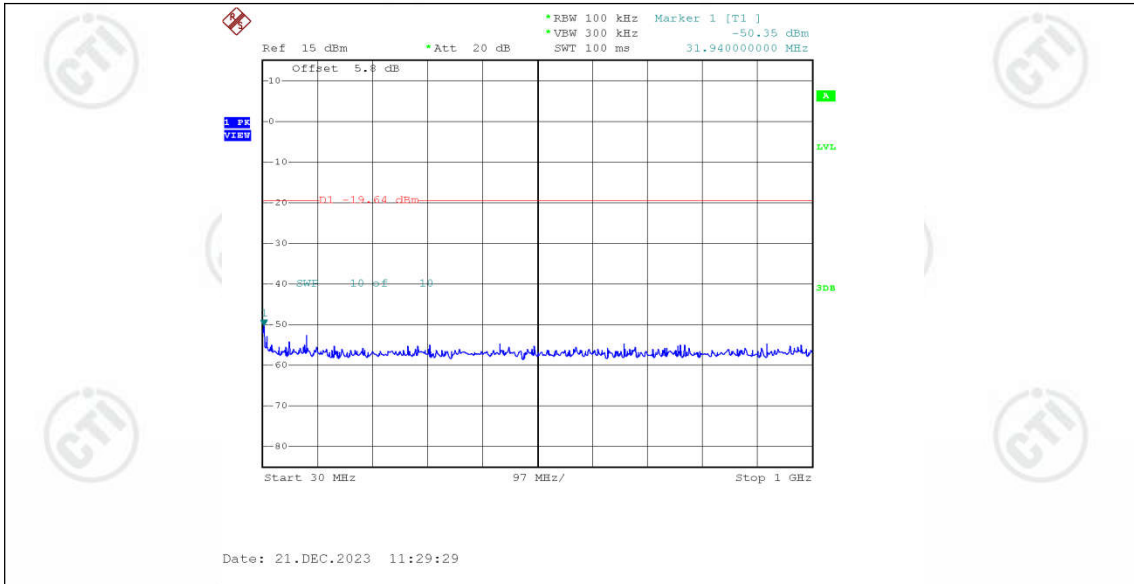
3DH5_Ant1_2402_1000~26500



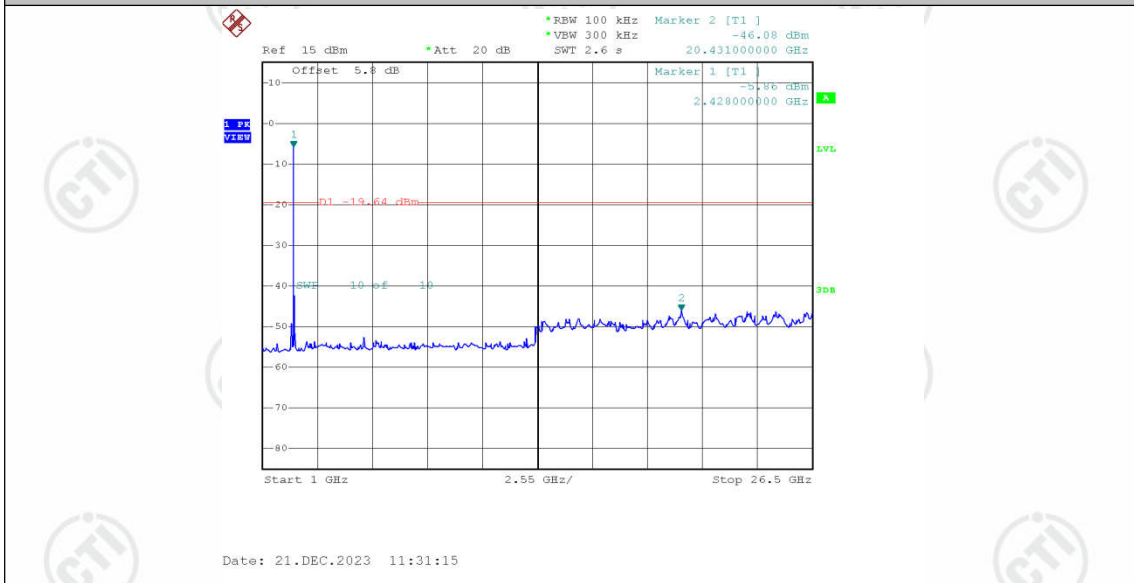
3DH5_Ant1_2441_0~Reference



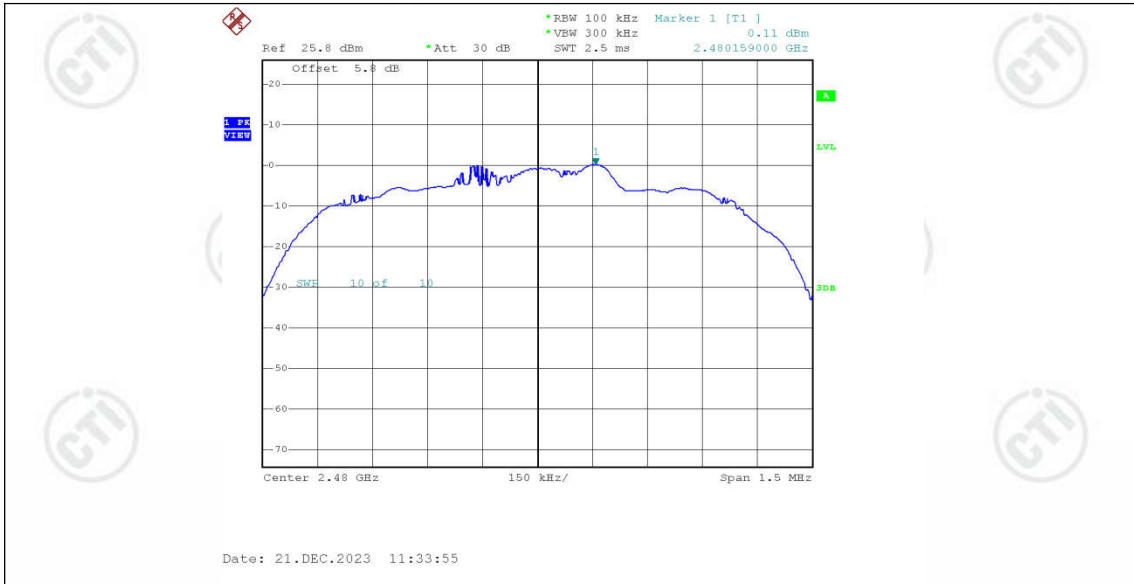
3DH5_Ant1_2441_30~1000



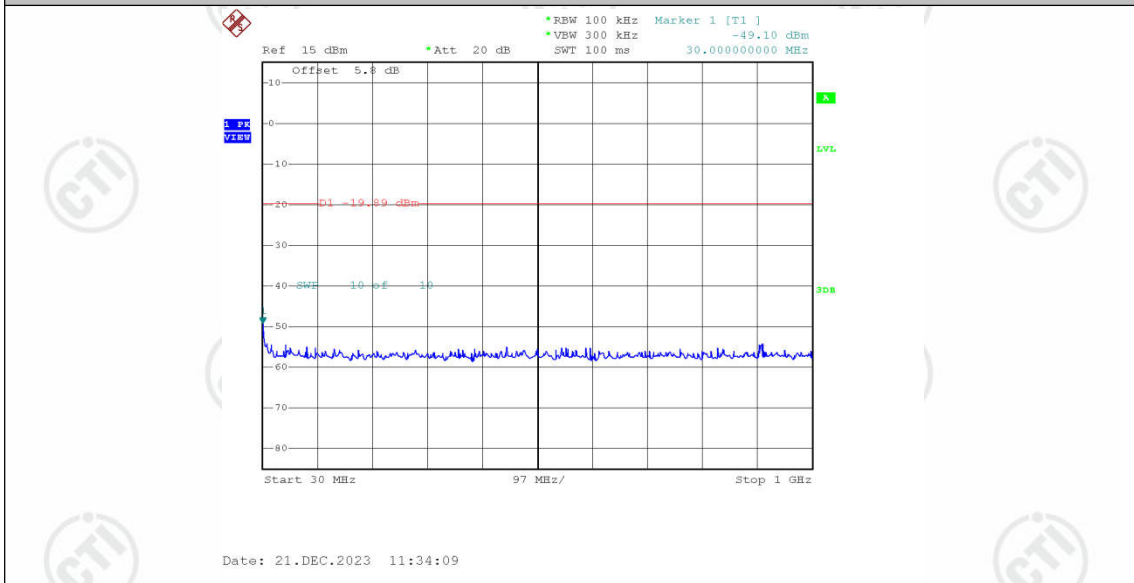
3DH5_Ant1_2441_1000~26500



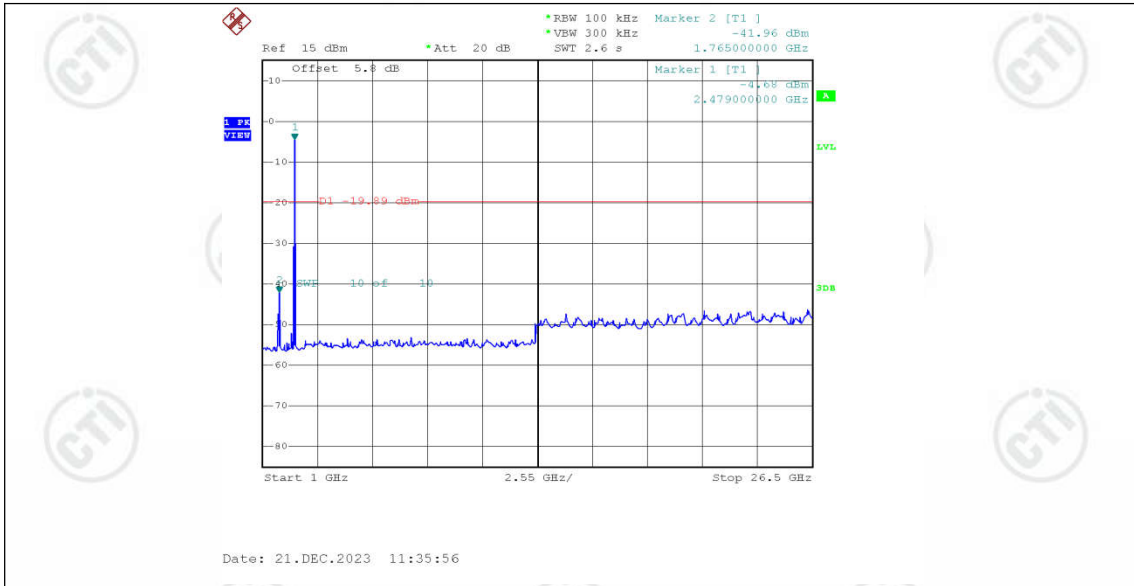
3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



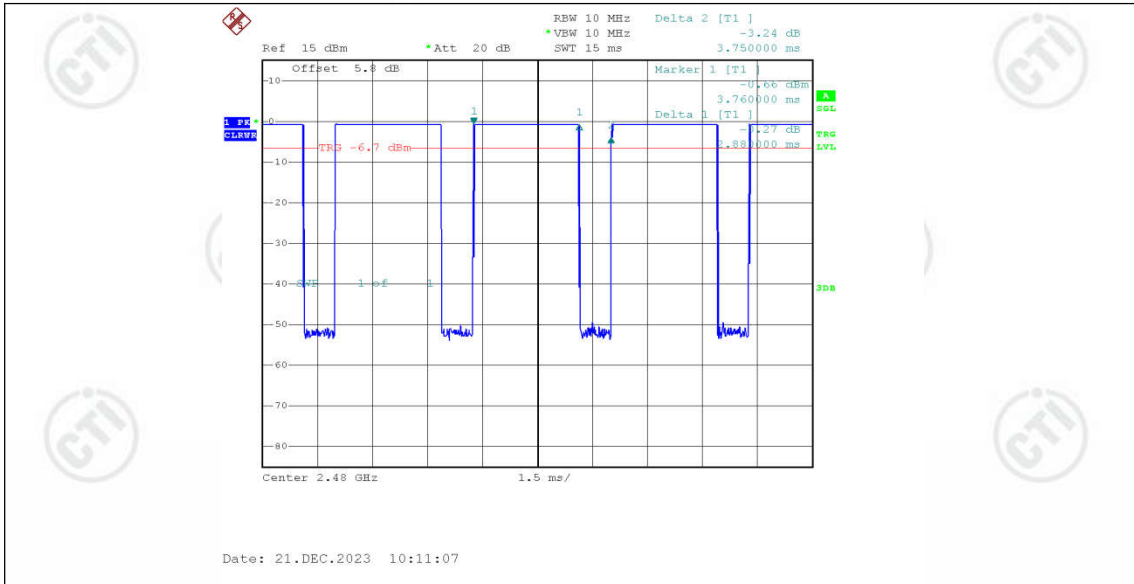
Appendix I: Duty Cycle**Test Result**

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
		2441	2.88	3.75	76.80	1.15
		2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.88	3.75	76.80	1.15
		2441	2.88	3.75	76.80	1.15
		2480	2.88	3.75	76.80	1.15
3DH5	Ant1	2402	2.88	3.75	76.80	1.15
		2441	0.02	0.45	4.44	13.53
		2480	2.88	3.75	76.80	1.15

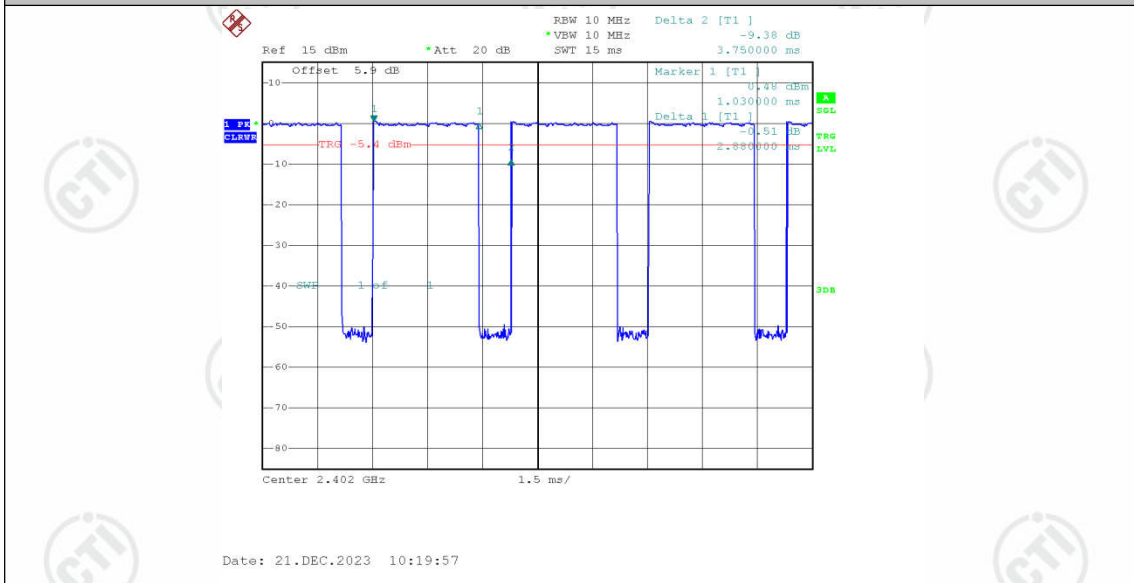
Test Graphs



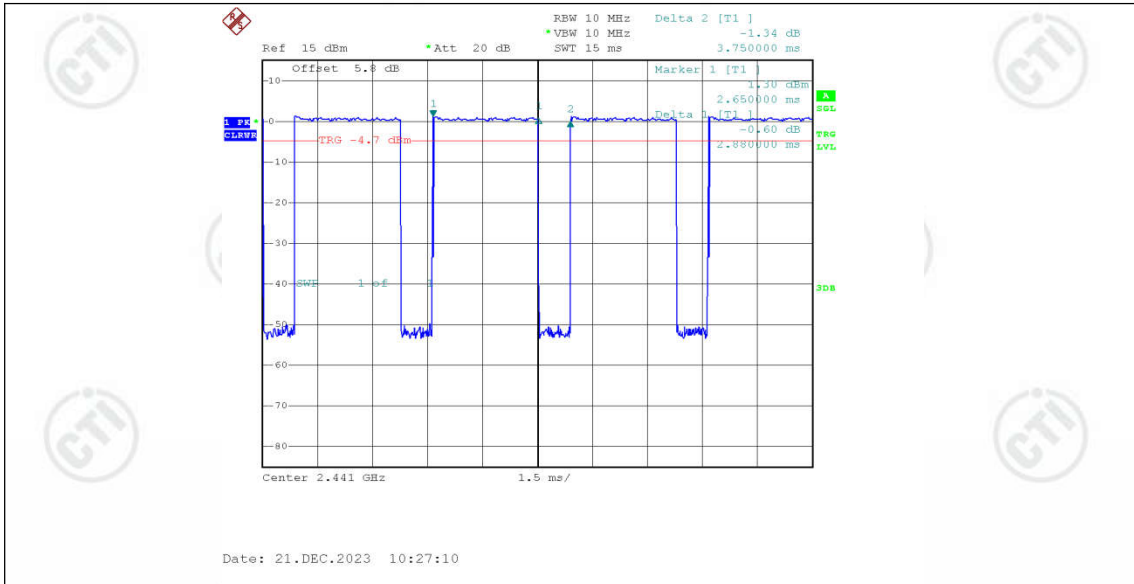
DH5_Ant1_2480



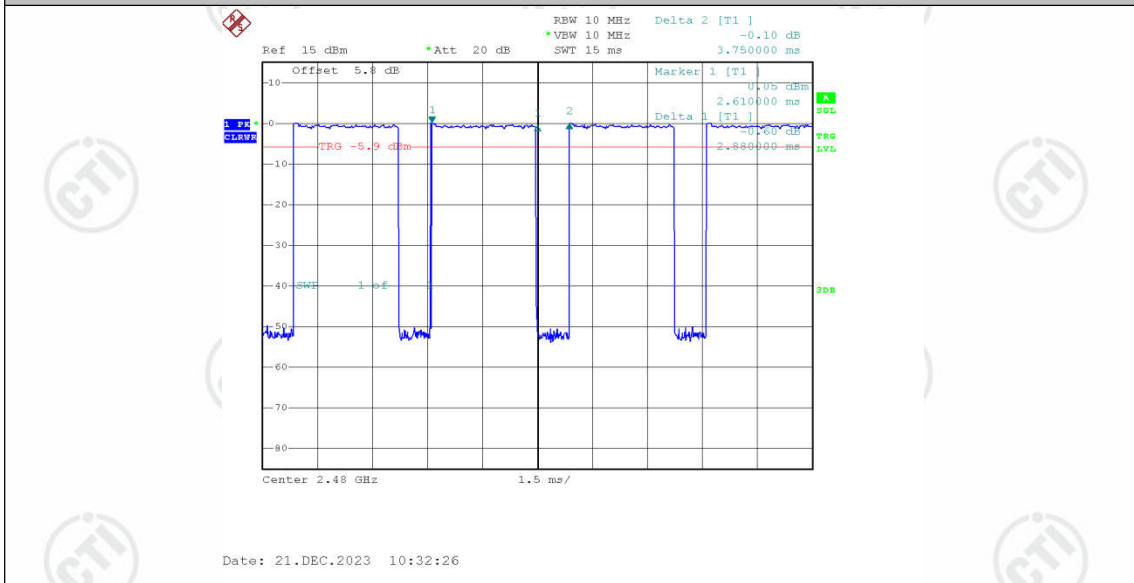
2DH5_Ant1_2402



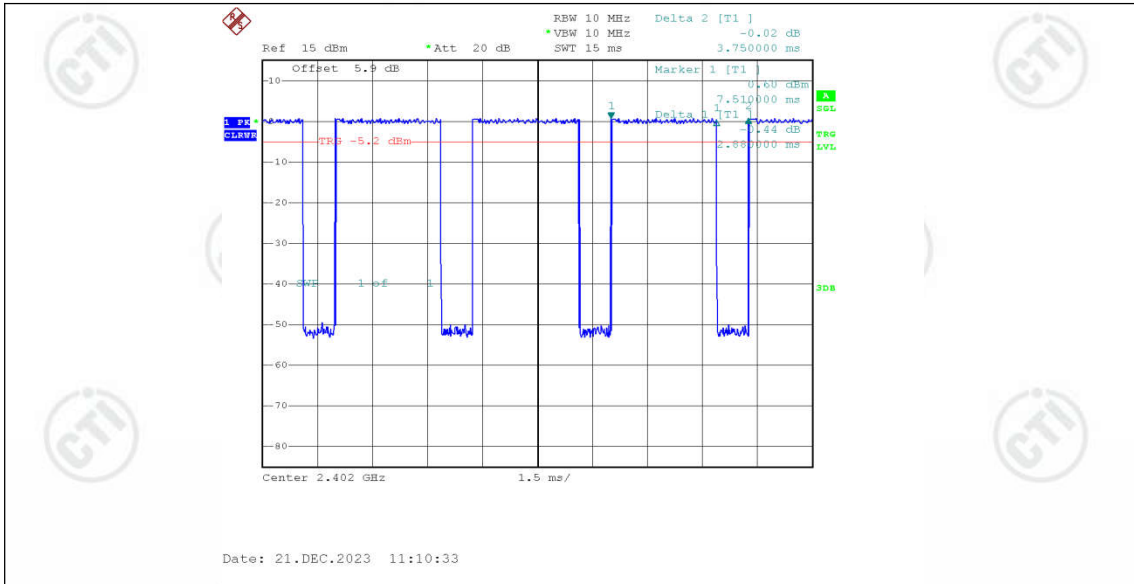
2DH5_Ant1_2441



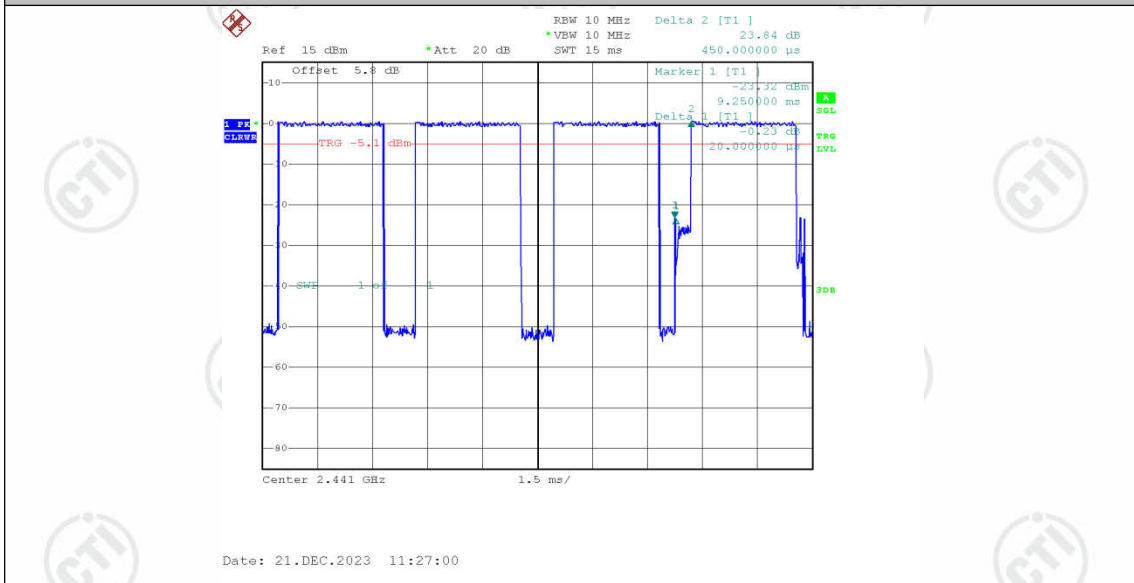
2DH5_Ant1_2480



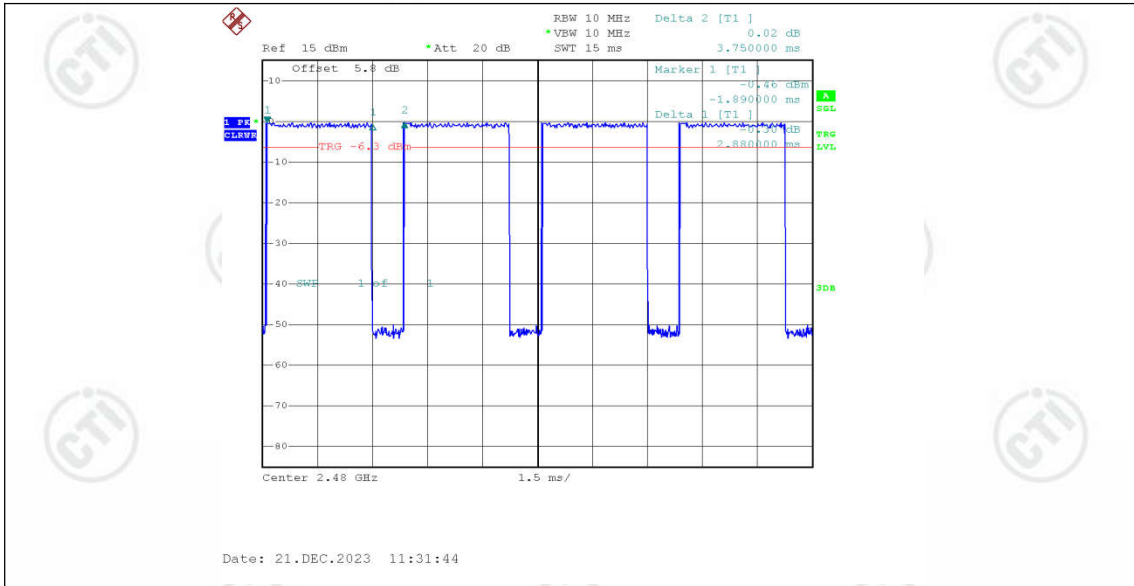
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



*** End of Report ***