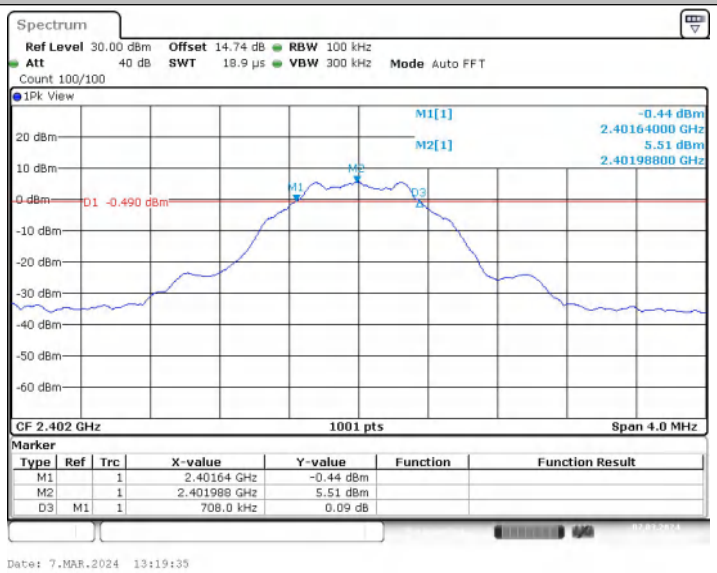
Appendix A: DTS Bandwidth

Test Result

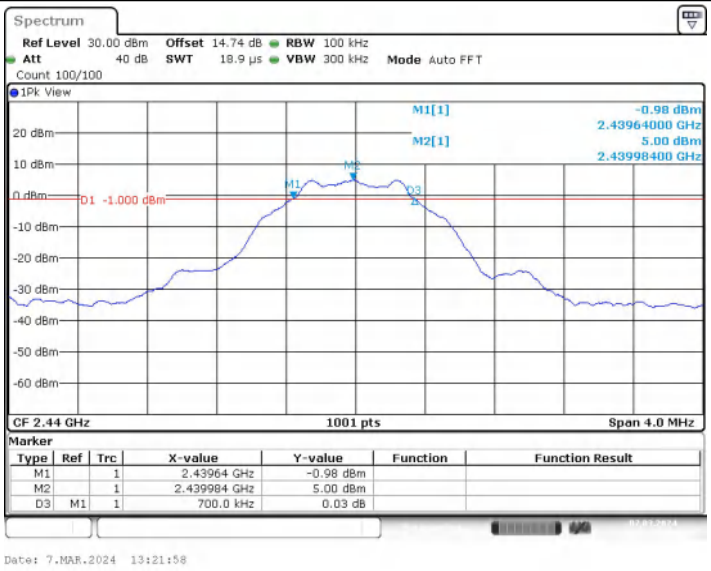
TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.71	2401.64	2402.35	0.5	PASS
		2440	0.70	2439.64	2440.34	0.5	PASS
		2480	0.70	2479.63	2480.33	0.5	PASS
BLE_2M	Ant1	2402	1.24	2401.35	2402.59	0.5	PASS
		2440	1.24	2439.34	2440.58	0.5	PASS
		2480	1.24	2479.33	2480.58	0.5	PASS

Test Graphs

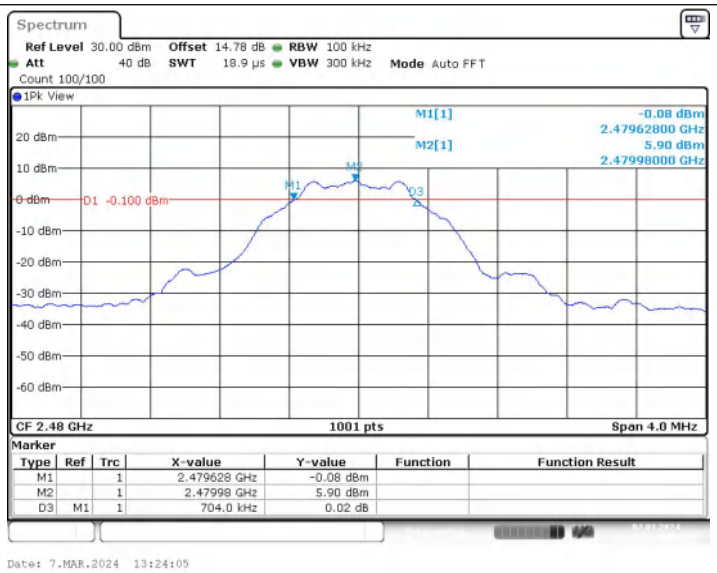
BLE_1M_Ant1_2402



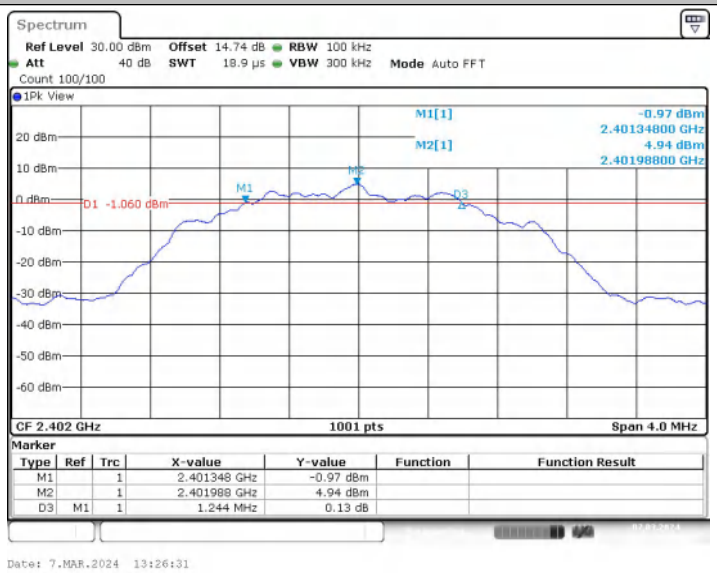
BLE_1M_Ant1_2440



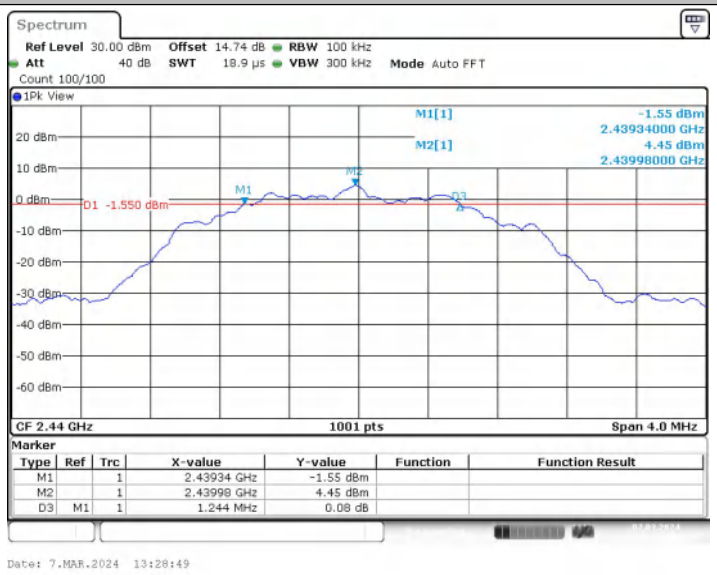
BLE_1M_Ant1_2480



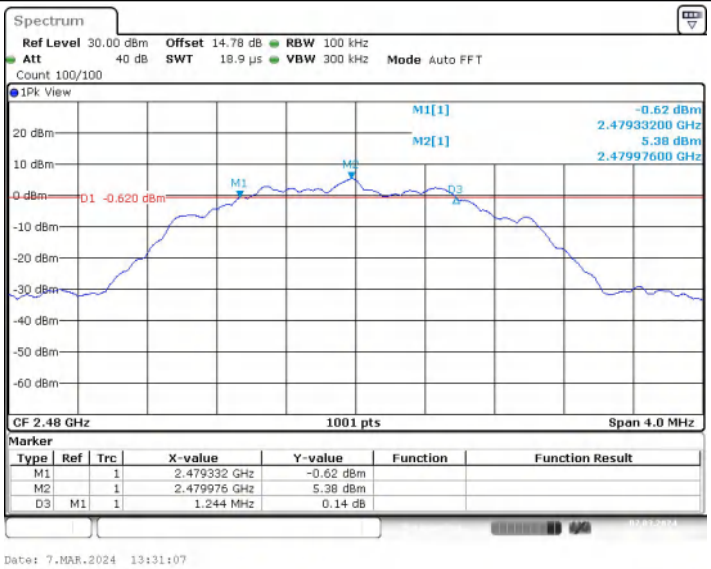
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



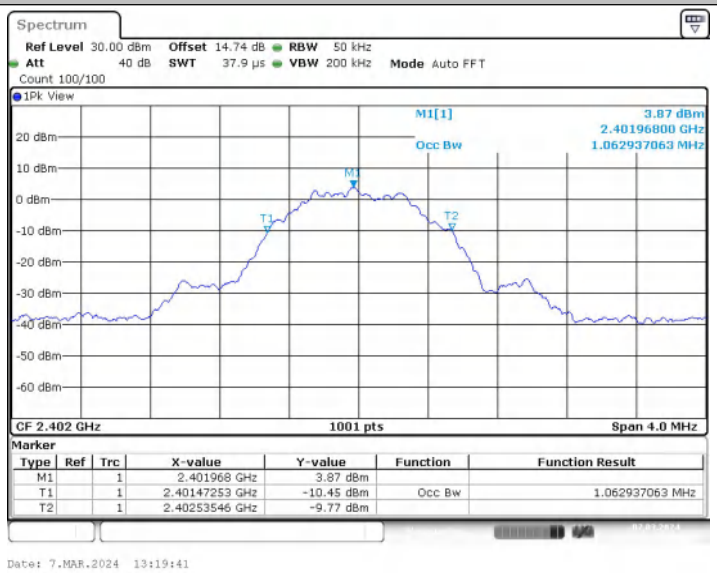
Appendix B: Occupied Channel Bandwidth

Test Result

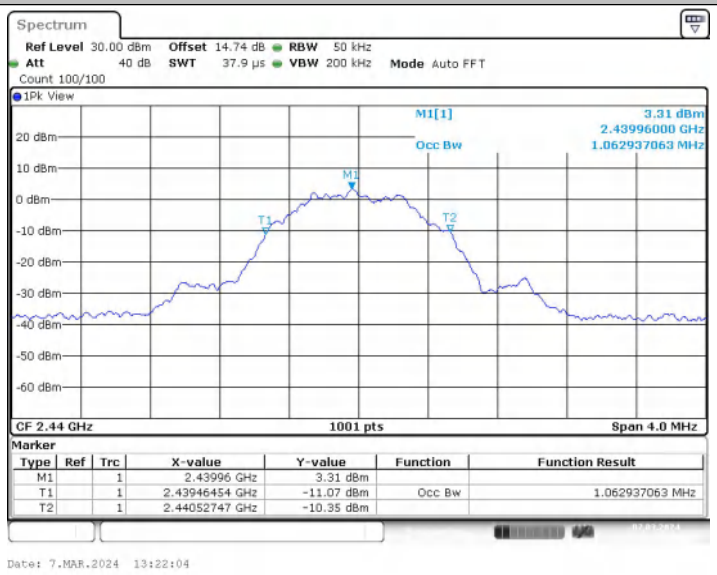
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.063	2401.4725	2402.5355	---	---
		2440	1.063	2439.4645	2440.5275	---	---
		2480	1.063	2479.4605	2480.5235	---	---
BLE_2M	Ant1	2402	2.062	2400.9810	2403.0430	---	---
		2440	2.062	2438.9730	2441.0350	---	---
		2480	2.058	2478.9690	2481.0270	---	---

Test Graphs

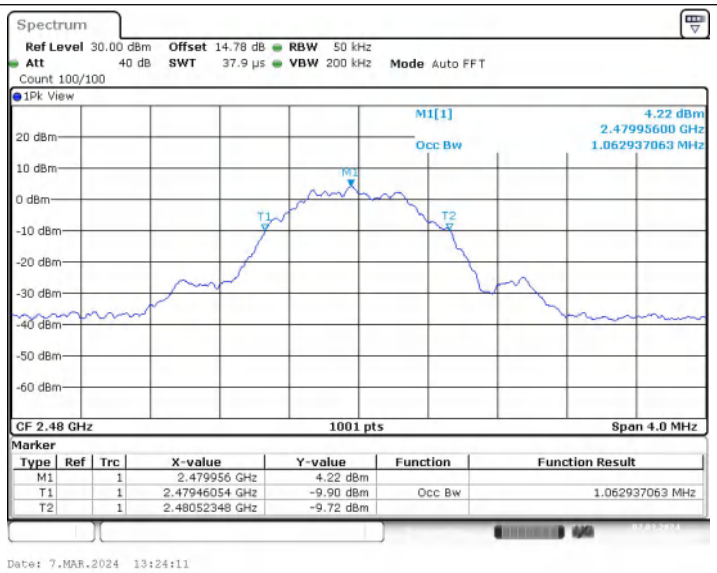
BLE_1M_Ant1_2402



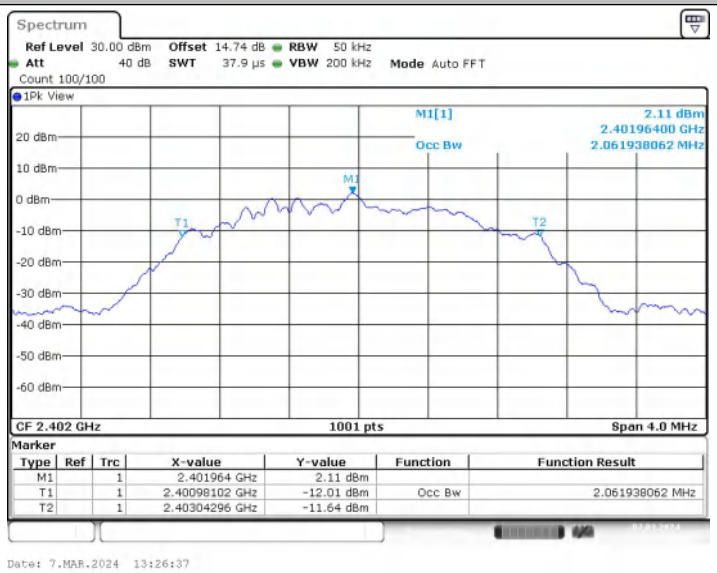
BLE_1M_Ant1_2440



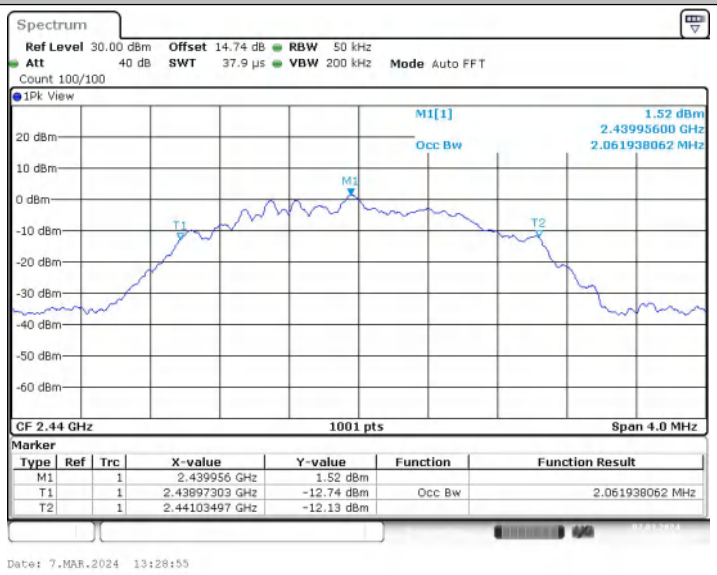
BLE_1M_Ant1_2480



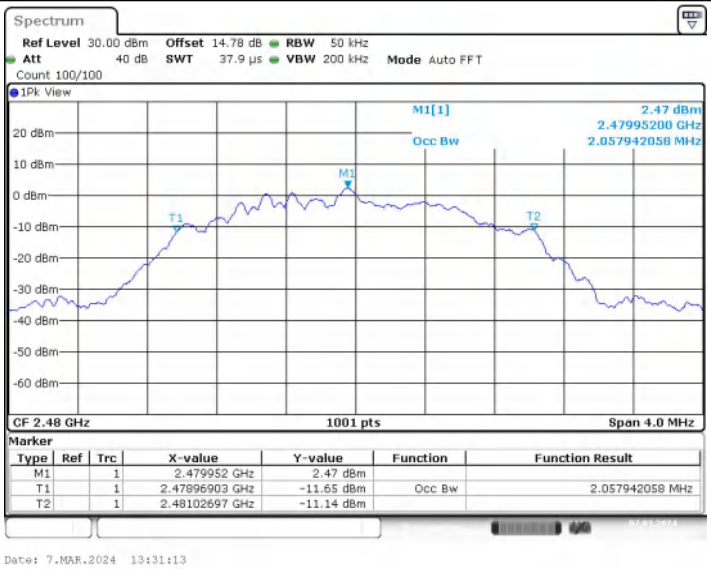
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



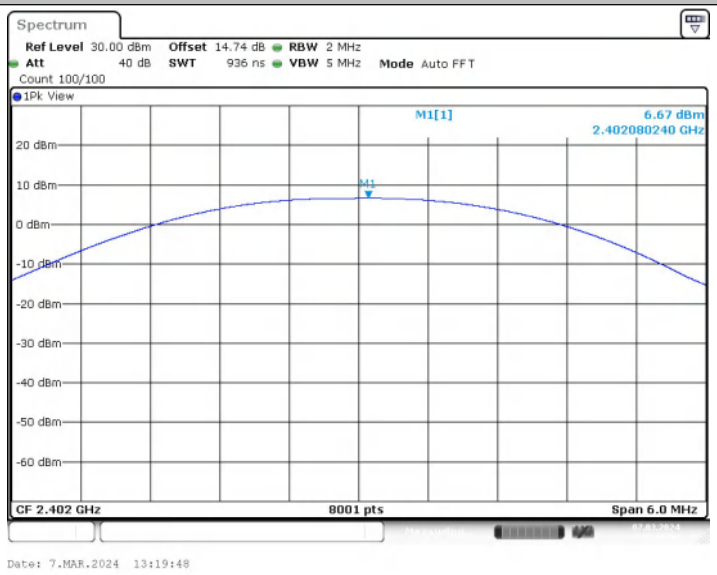
Appendix C: Maximum conducted output power

Test Result Peak

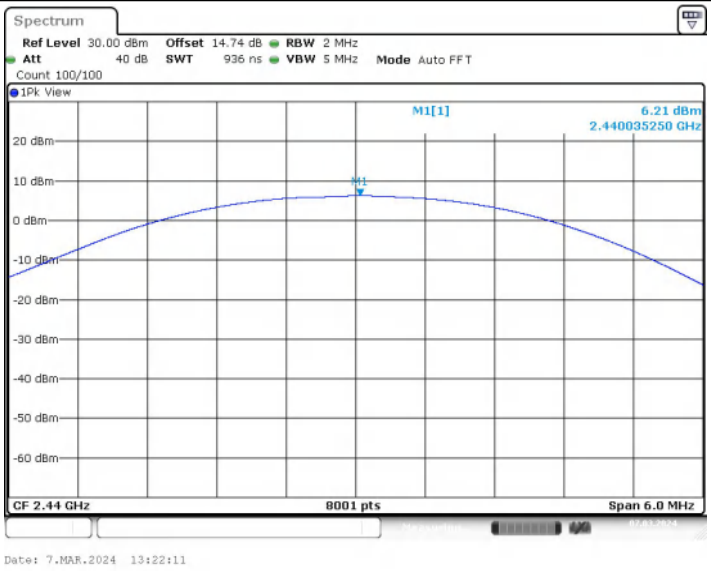
TestMode	Antenna	Freq(MHz)	Conducted Peak Powert[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	6.67	≤30	PASS
		2440	6.21	≤30	PASS
		2480	6.95	≤30	PASS
BLE_2M	Ant1	2402	6.70	≤30	PASS
		2440	6.28	≤30	PASS
		2480	7.34	≤30	PASS

Test Graphs Peak

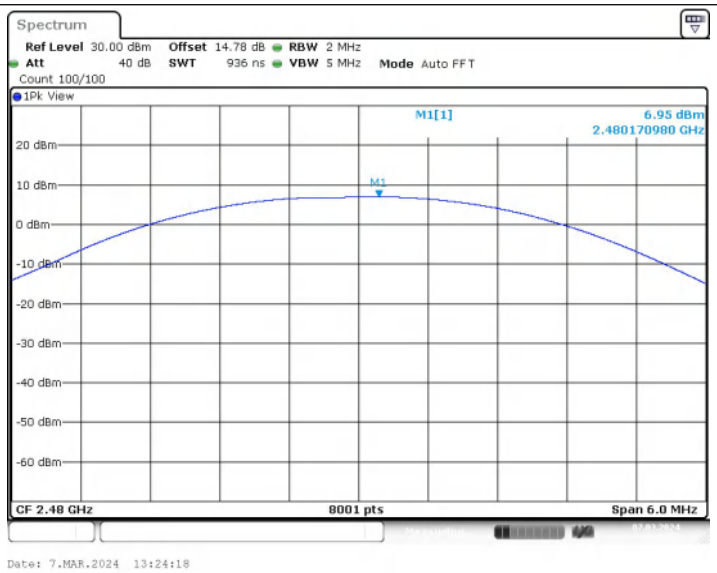
BLE_1M_Ant1_2402



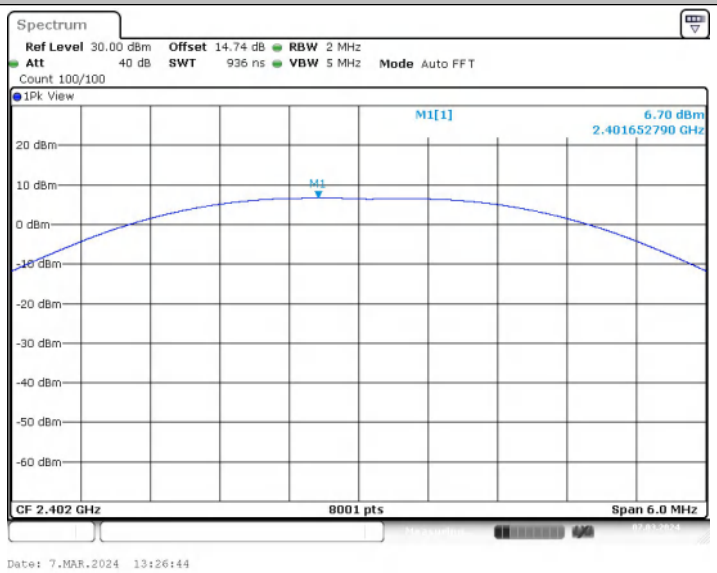
BLE_1M_Ant1_2440



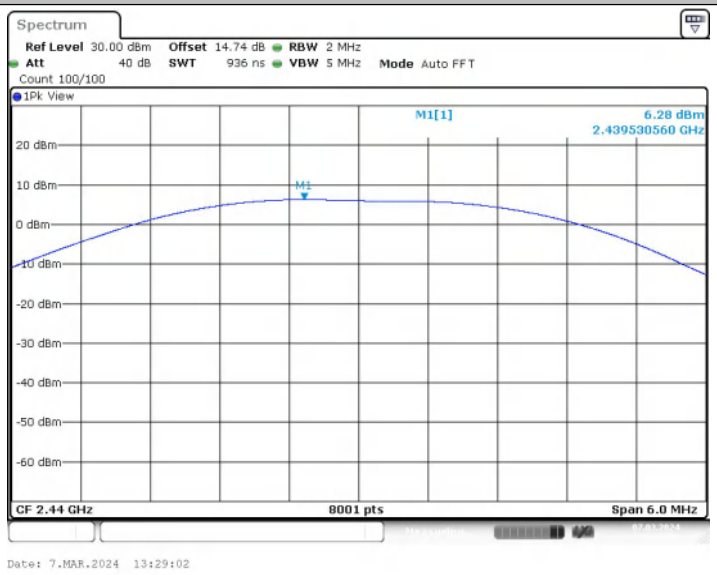
BLE_1M_Ant1_2480

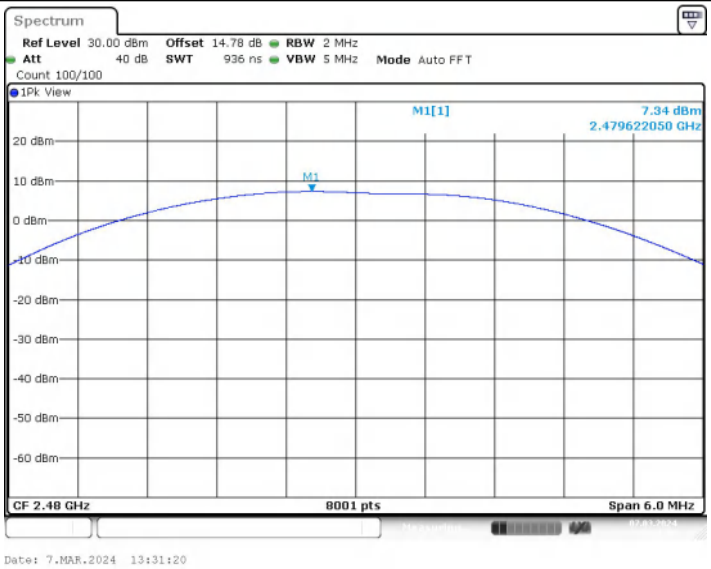


BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480


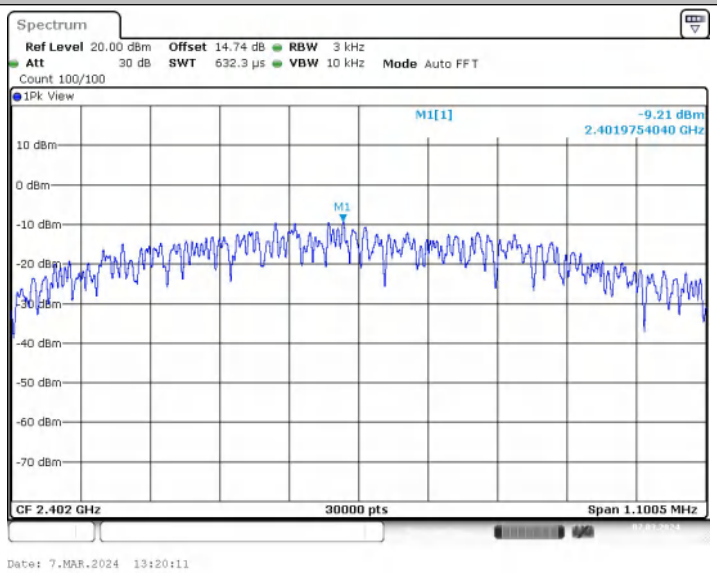
Appendix D: Maximum power spectral density

Test Result

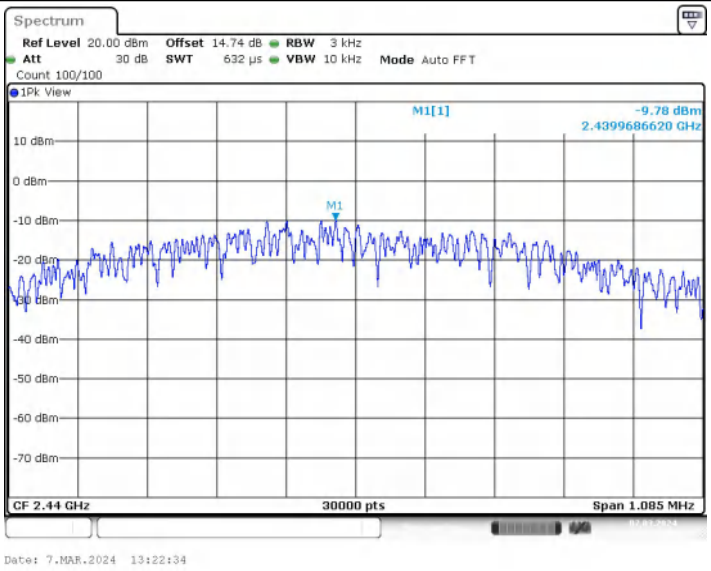
TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.21	≤8.00	PASS
		2440	-9.78	≤8.00	PASS
		2480	-8.97	≤8.00	PASS
BLE_2M	Ant1	2402	-11.80	≤8.00	PASS
		2440	-12.33	≤8.00	PASS
		2480	-11.49	≤8.00	PASS

Test Graphs

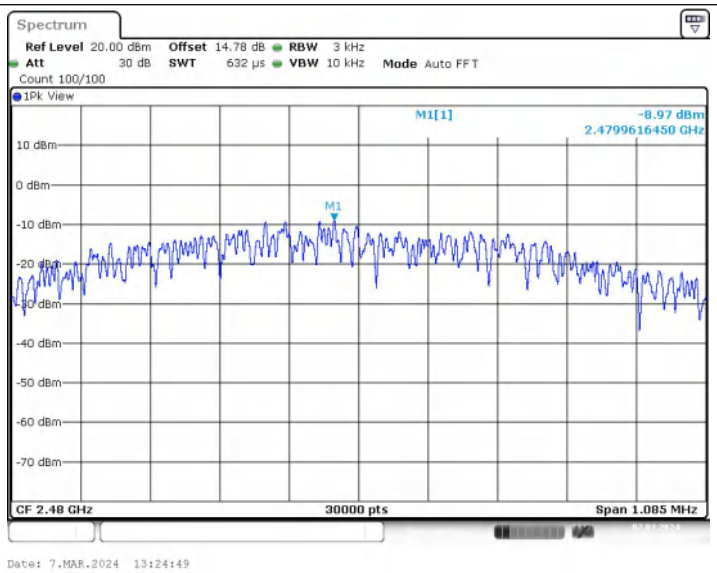
BLE_1M_Ant1_2402



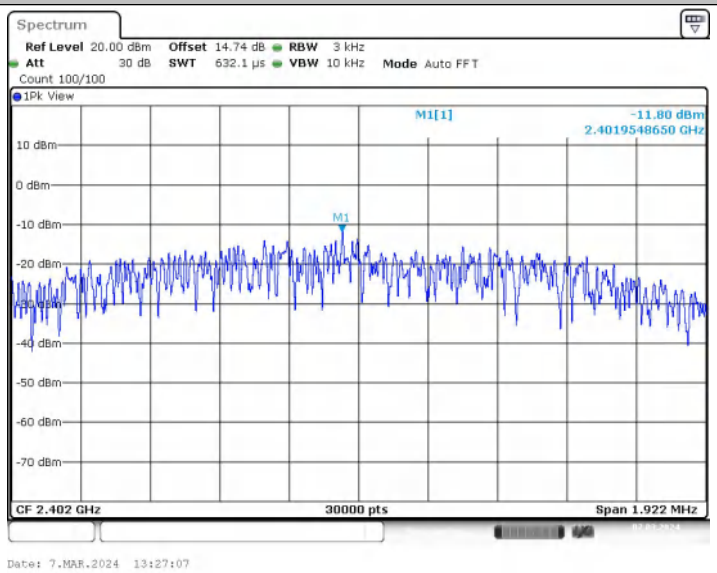
BLE_1M_Ant1_2440



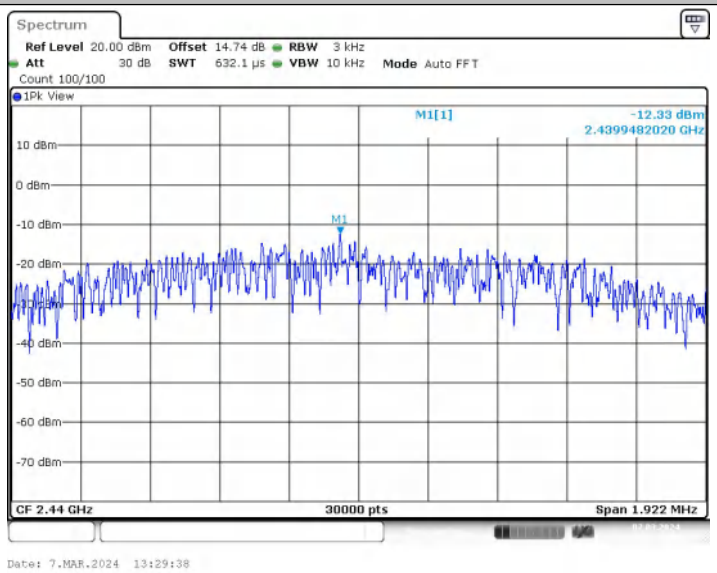
BLE_1M_Ant1_2480



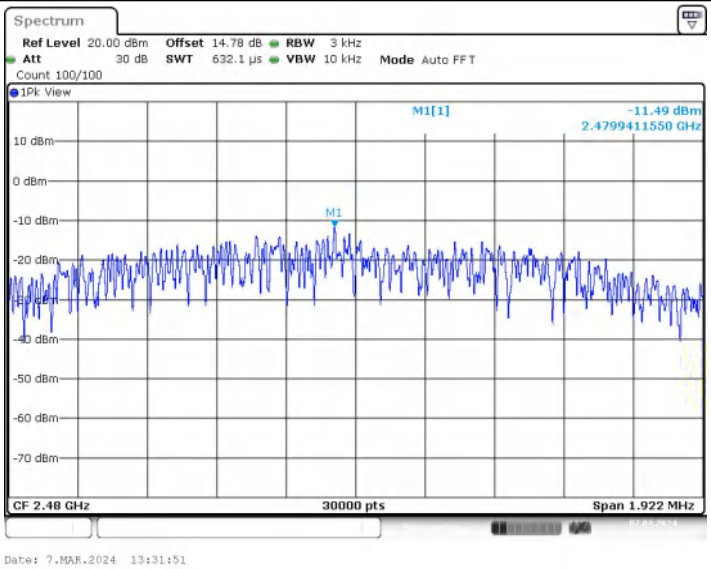
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



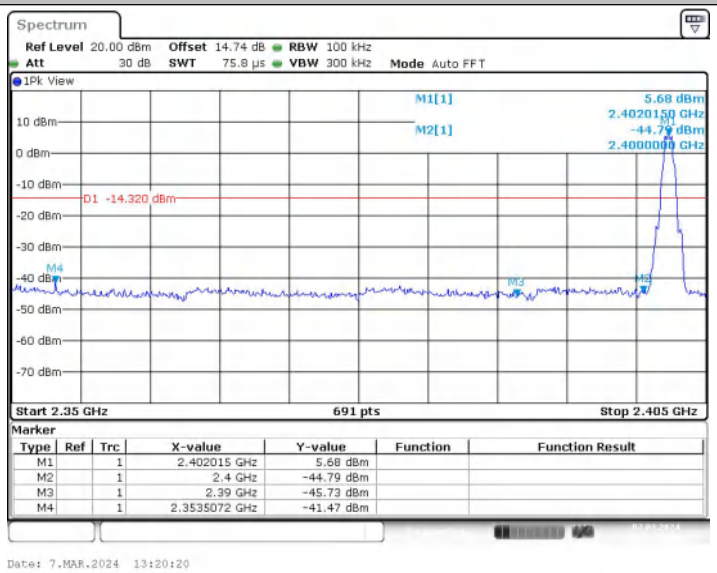
Appendix E: Band edge measurements

Test Result

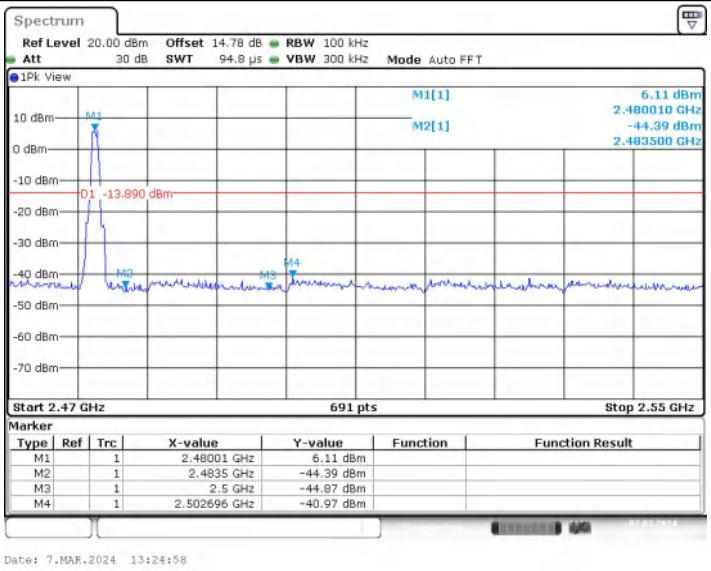
TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	5.68	-41.47	≤-14.32	PASS
		High	2480	6.11	-40.97	≤-13.89	PASS
BLE_2M	Ant1	Low	2402	5.12	-35.85	≤-14.88	PASS
		High	2480	5.53	-41.08	≤-14.47	PASS

Test Graphs

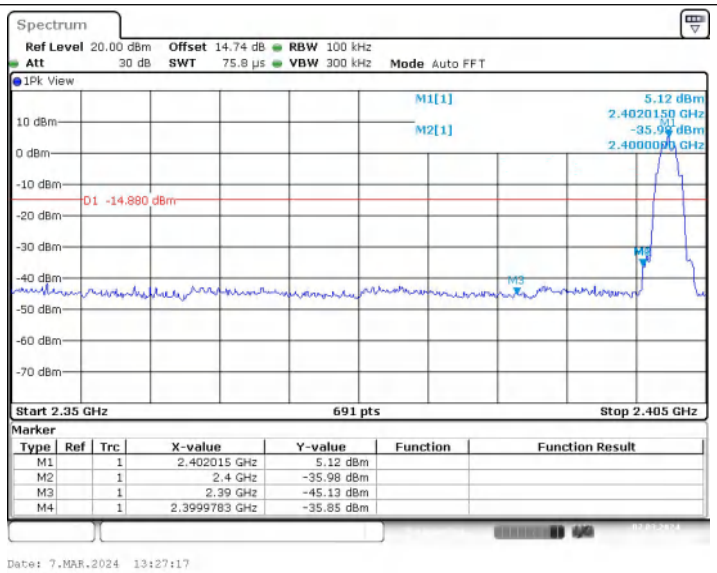
BLE_1M_Ant1_Low_2402



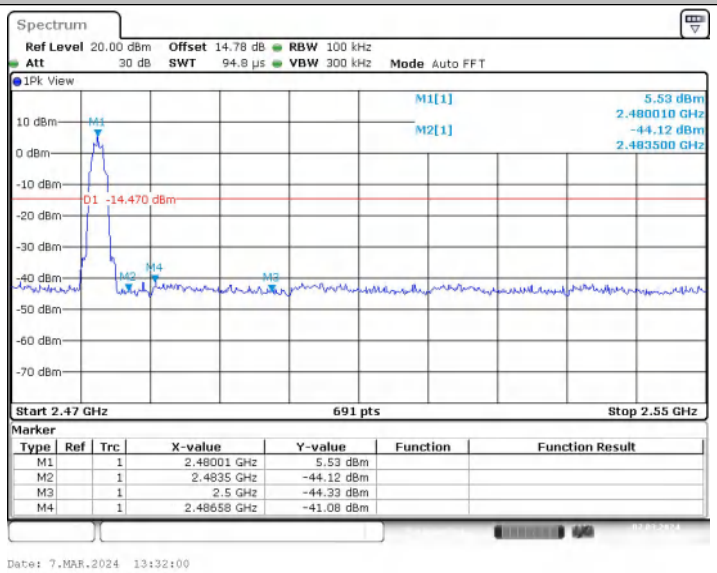
BLE_1M_Ant1_High_2480



BLE_2M_Ant1_Low_2402



BLE_2M_Ant1_High_2480



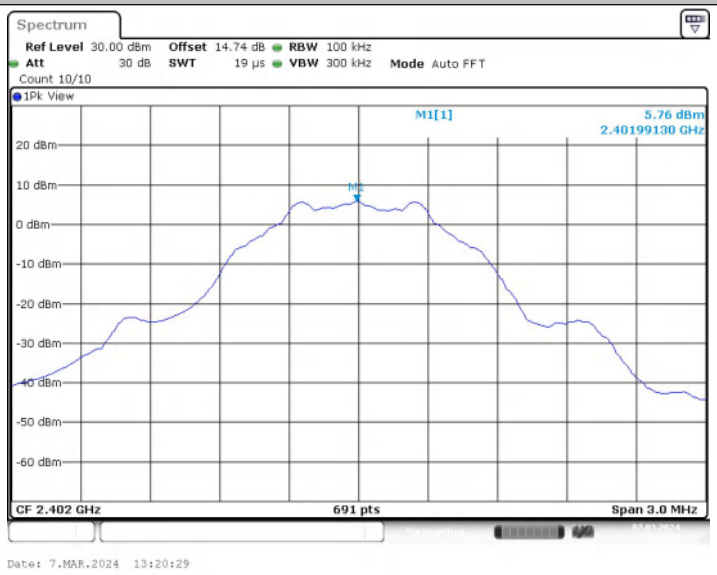
Appendix F: Conducted Spurious Emission

Test Result

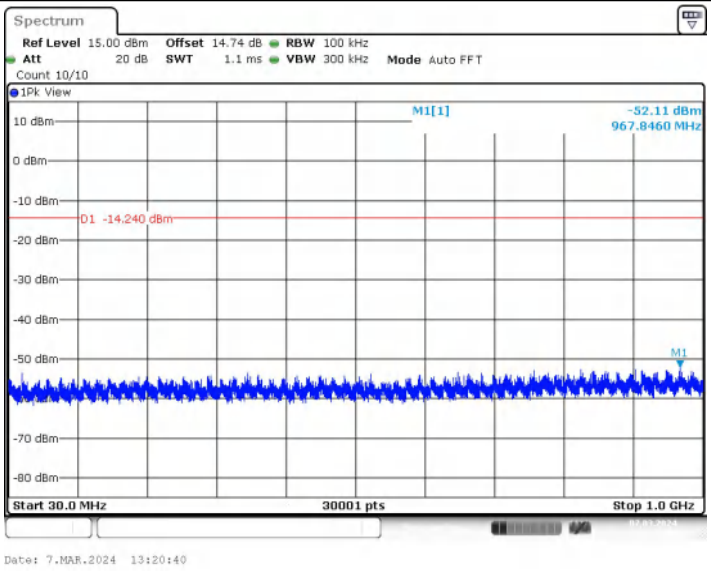
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	5.76	5.76	---	PASS
			30~1000	5.76	-52.11	≤-14.24	PASS
			1000~26500	5.76	-41.24	≤-14.24	PASS
		2440	Reference	5.26	5.26	---	PASS
			30~1000	5.26	-51.85	≤-14.74	PASS
			1000~26500	5.26	-41.58	≤-14.74	PASS
		2480	Reference	6.10	6.10	---	PASS
			30~1000	6.10	-52.53	≤-13.9	PASS
			1000~26500	6.10	-40.9	≤-13.9	PASS
BLE_2M	Ant1	2402	Reference	5.21	5.21	---	PASS
			30~1000	5.21	-52.34	≤-14.79	PASS
			1000~26500	5.21	-41.43	≤-14.79	PASS
		2440	Reference	4.69	4.69	---	PASS
			30~1000	4.69	-52.48	≤-15.31	PASS
			1000~26500	4.69	-42.04	≤-15.31	PASS
		2480	Reference	5.54	5.54	---	PASS
			30~1000	5.54	-51.69	≤-14.46	PASS
			1000~26500	5.54	-41.77	≤-14.46	PASS

Test Graphs

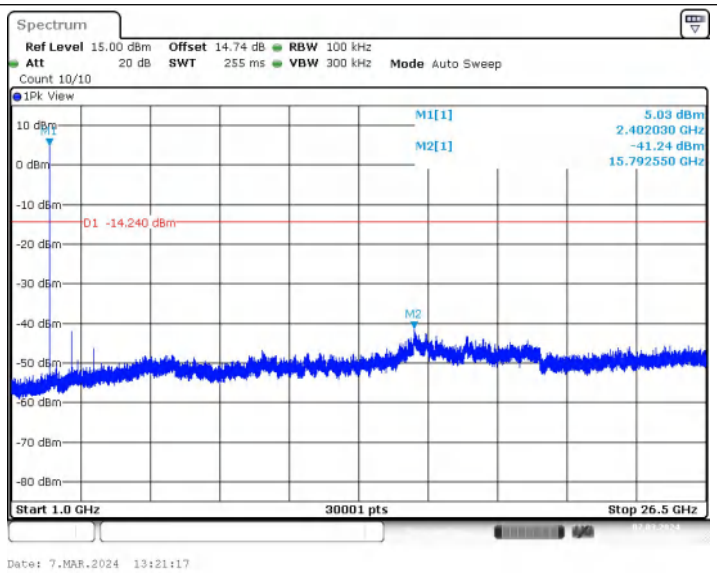
BLE_1M_Ant1_2402_0~Reference



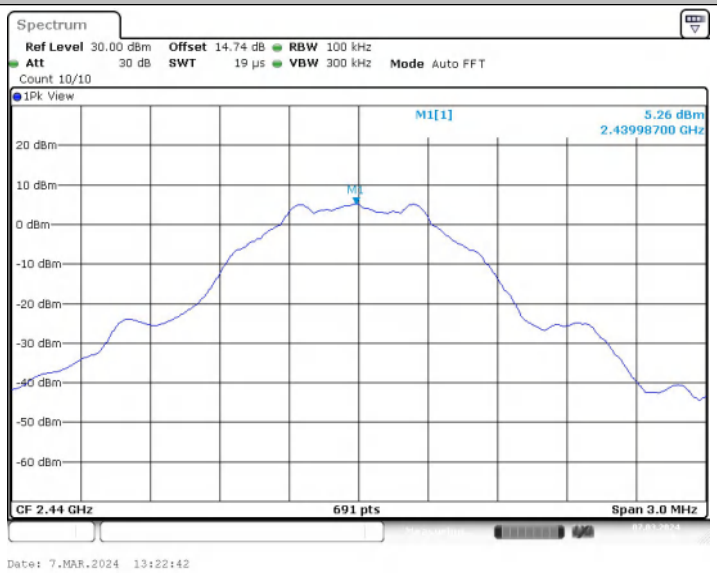
BLE_1M_Ant1_2402_30~1000



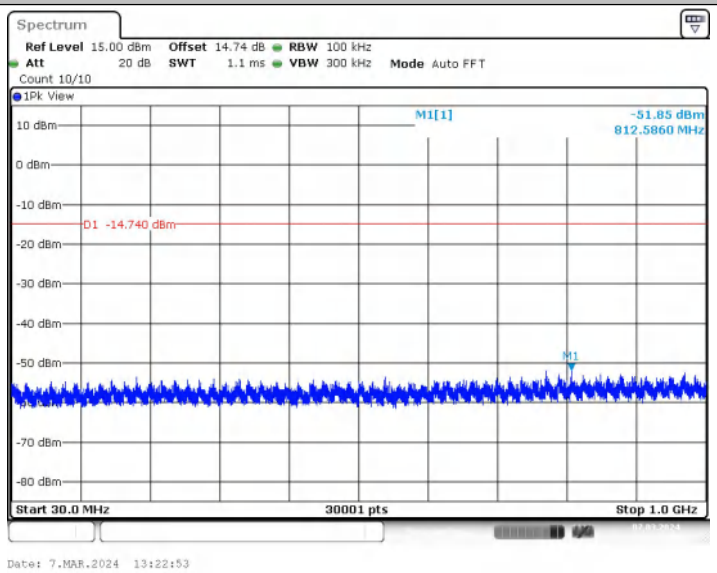
BLE_1M_Ant1_2402_1000~26500



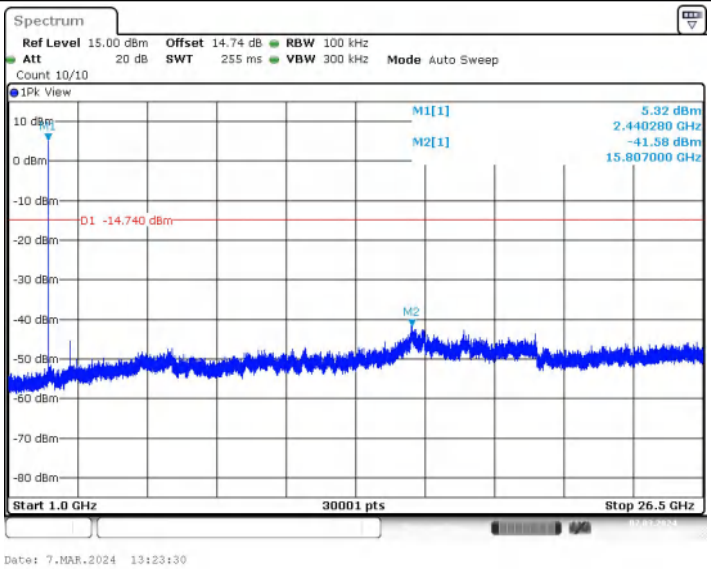
BLE_1M_Ant1_2440_0~Reference



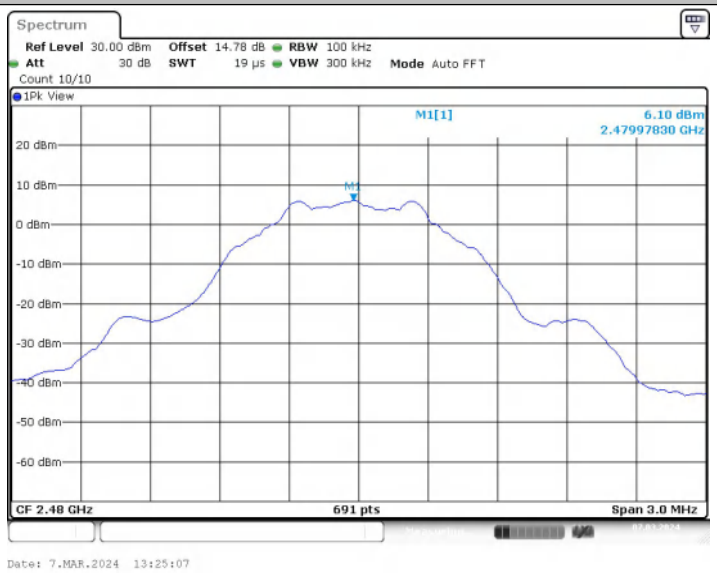
BLE_1M_Ant1_2440_30~1000



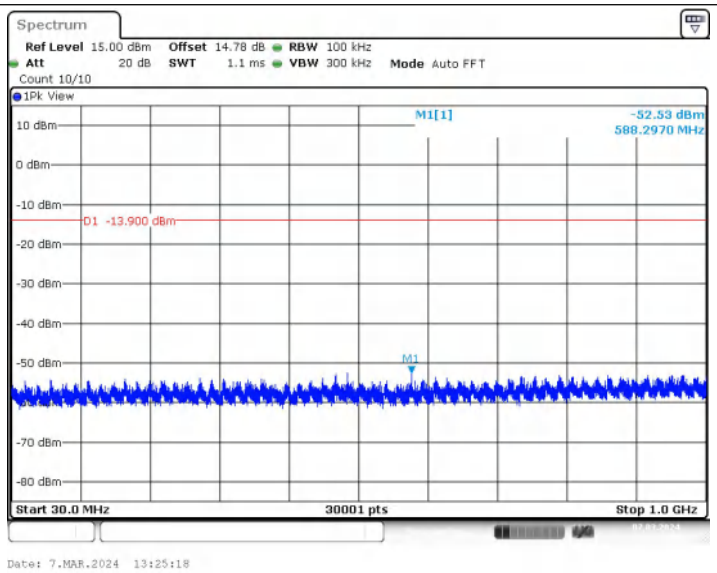
BLE_1M_Ant1_2440_1000~26500



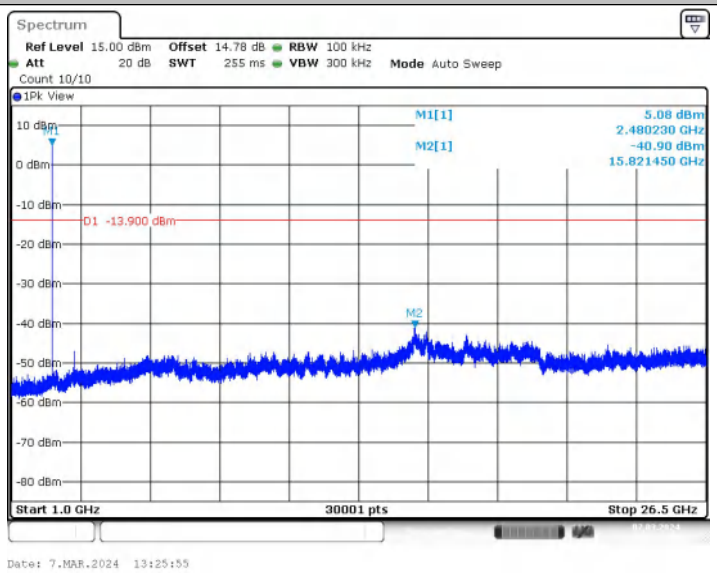
BLE_1M_Ant1_2480_0~Reference



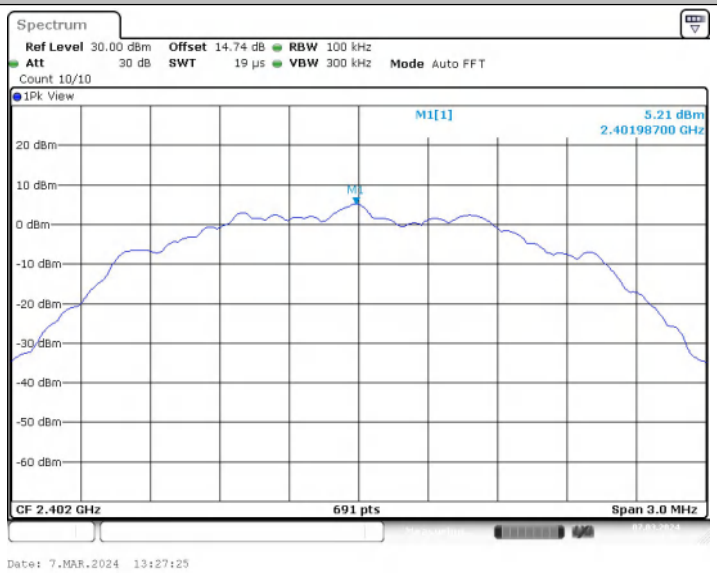
BLE_1M_Ant1_2480_30~1000



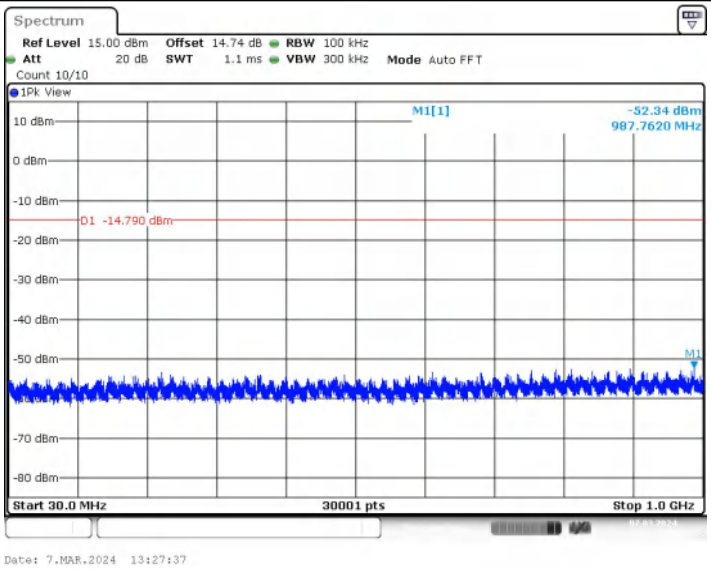
BLE_1M_Ant1_2480_1000~26500



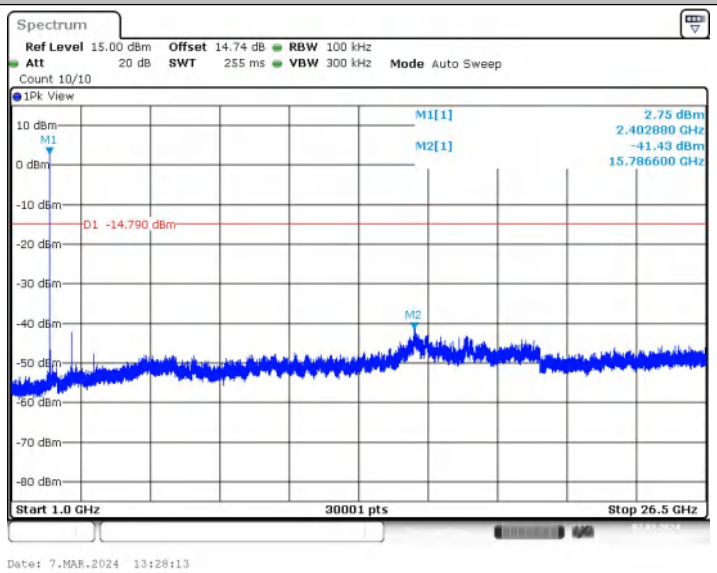
BLE_2M_Ant1_2402_0~Reference



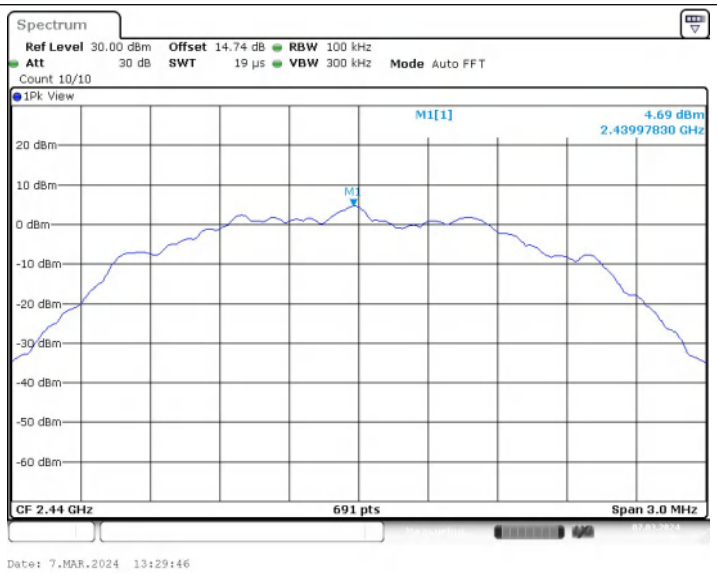
BLE_2M_Ant1_2402_30~1000



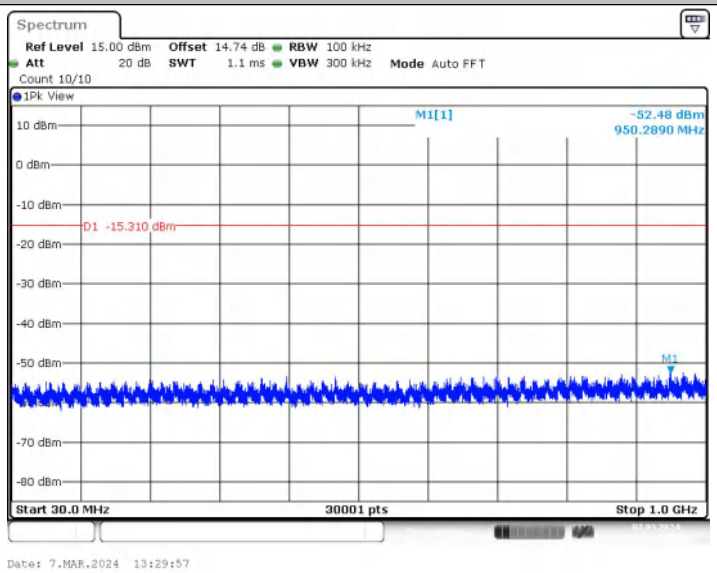
BLE_2M_Ant1_2402_1000~26500



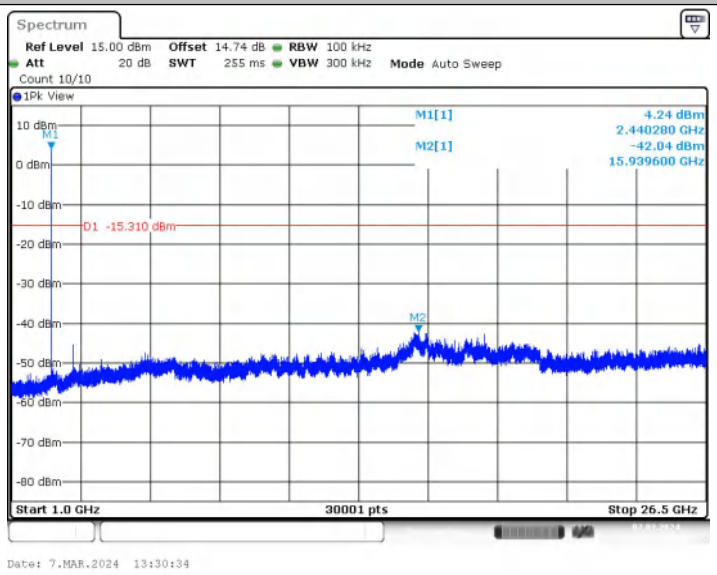
BLE_2M_Ant1_2440_0~Reference



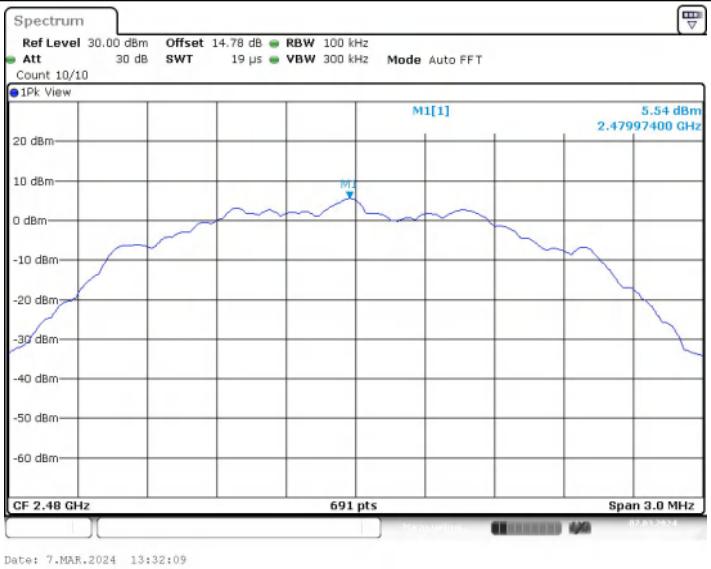
BLE_2M_Ant1_2440_30~1000



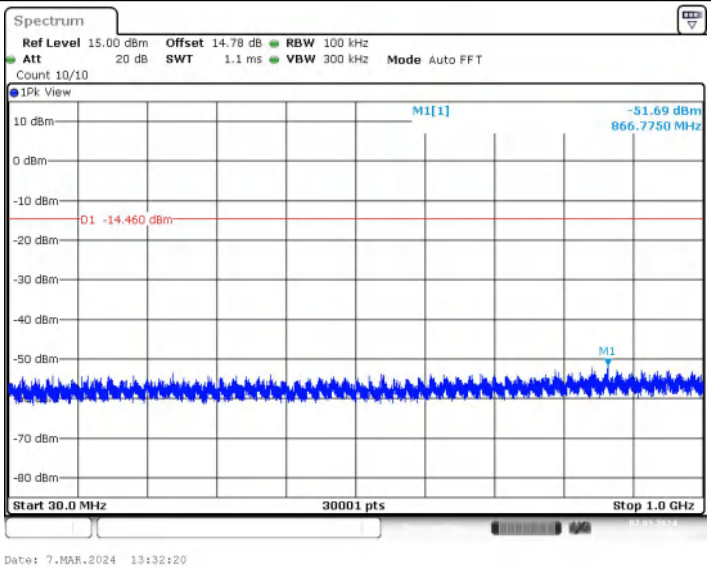
BLE_2M_Ant1_2440_1000~26500



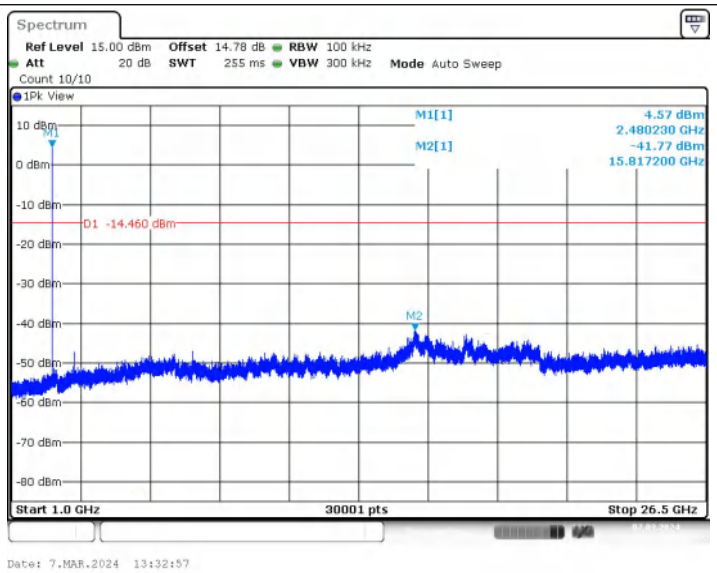
BLE_2M_Ant1_2480_0~Reference



BLE_2M_Ant1_2480_30~1000



BLE_2M_Ant1_2480_1000~26500



Date: 7.MAR.2024 13:32:57

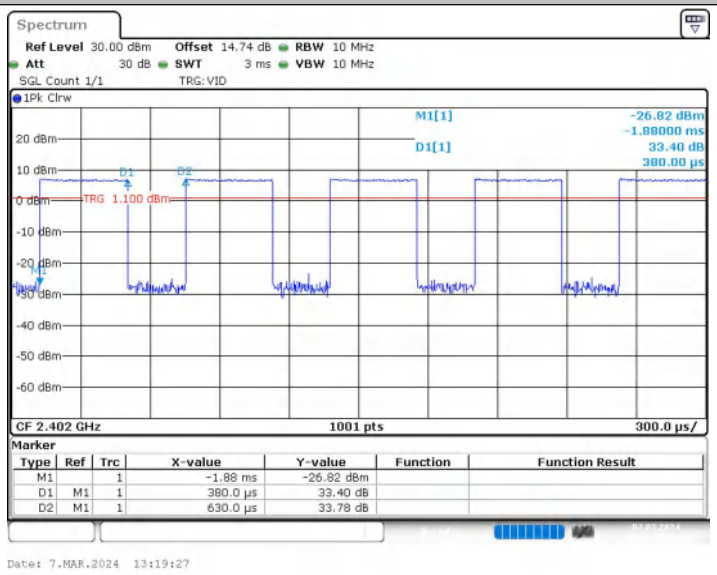
Appendix G: Duty Cycle

Test Result

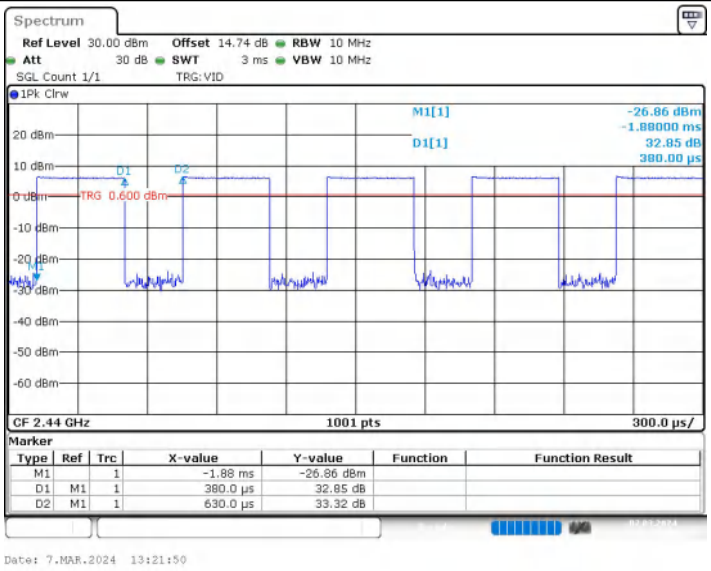
TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.63	0.6032	60.32	2.20	---	---
		2440	0.38	0.63	0.6032	60.32	2.20	---	---
		2480	0.38	0.63	0.6032	60.32	2.20	---	---
BLE_2M	Ant1	2402	0.20	0.63	0.3175	31.75	4.98	---	---
		2440	0.20	0.63	0.3175	31.75	4.98	---	---
		2480	0.20	0.63	0.3175	31.75	4.98	---	---

Test Graphs

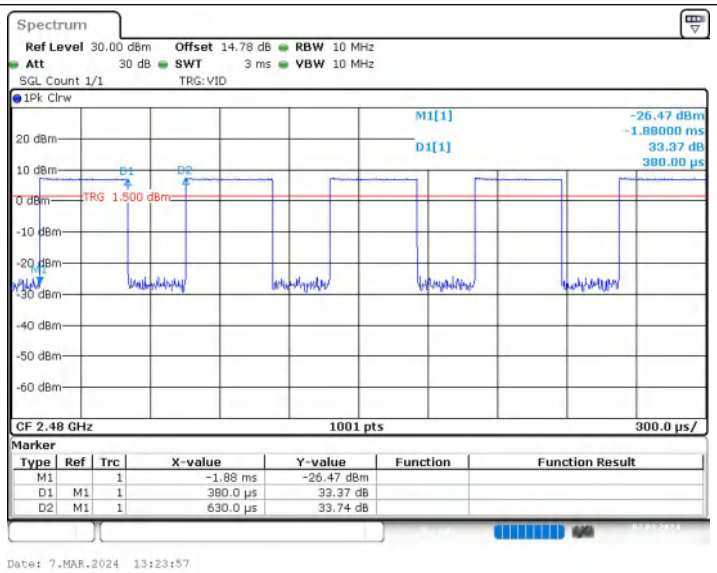
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

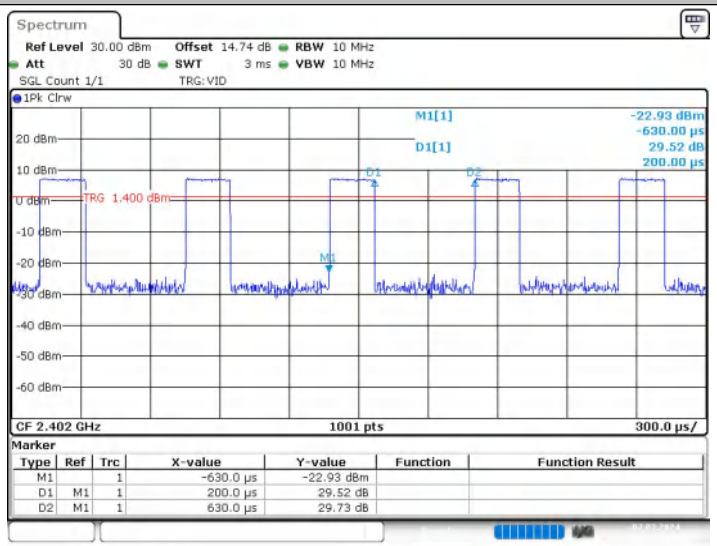


BLE_1M_Ant1_2480



Date: 7.MAR.2024 13:23:57

BLE_2M_Ant1_2402



Date: 7.MAR.2024 13:26:23

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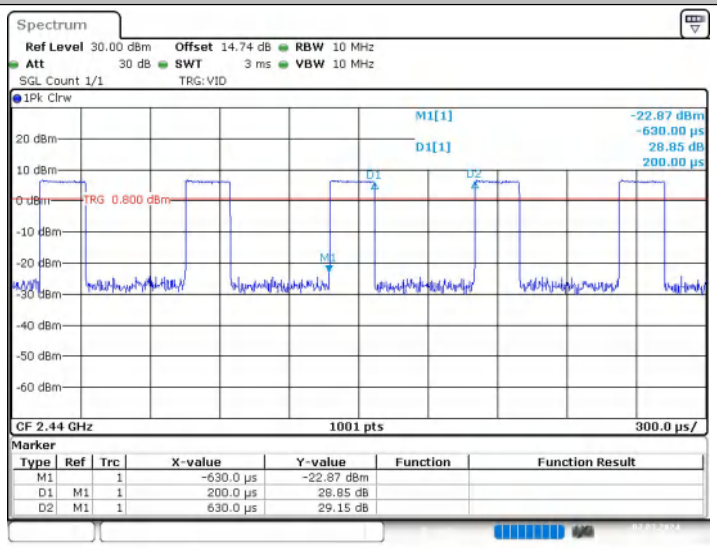

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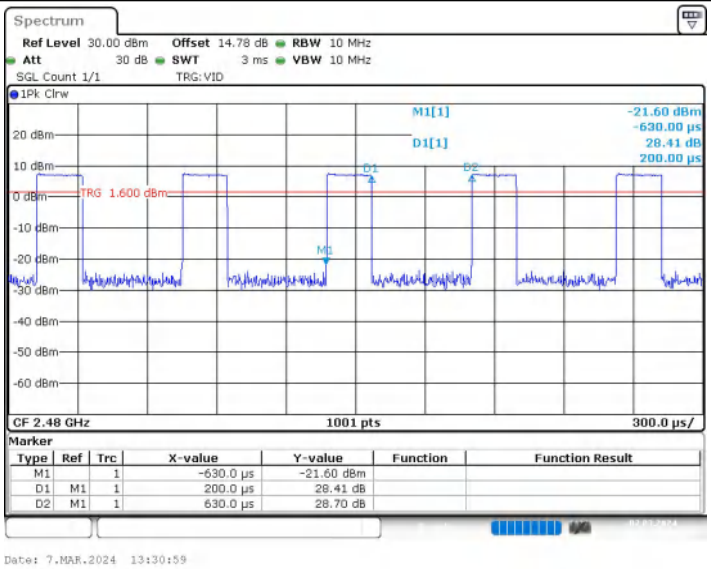
BLE_2M_Ant1_2480