



Appendix A: DTS Bandwidth

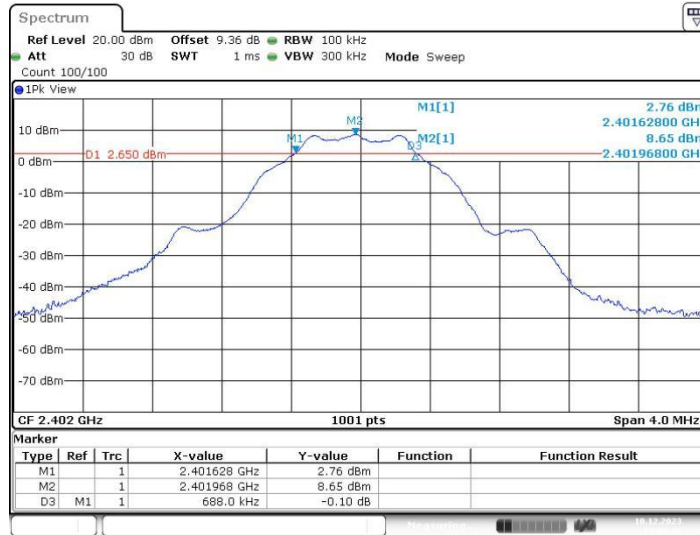
Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.69	2401.63	2402.32	0.5	PASS
		2440	0.68	2439.62	2440.31	0.5	PASS
		2480	0.70	2479.61	2480.31	0.5	PASS
BLE_2M	Ant1	2402	1.20	2401.38	2402.57	0.5	PASS
		2440	1.23	2439.33	2440.56	0.5	PASS
		2480	1.24	2479.32	2480.56	0.5	PASS

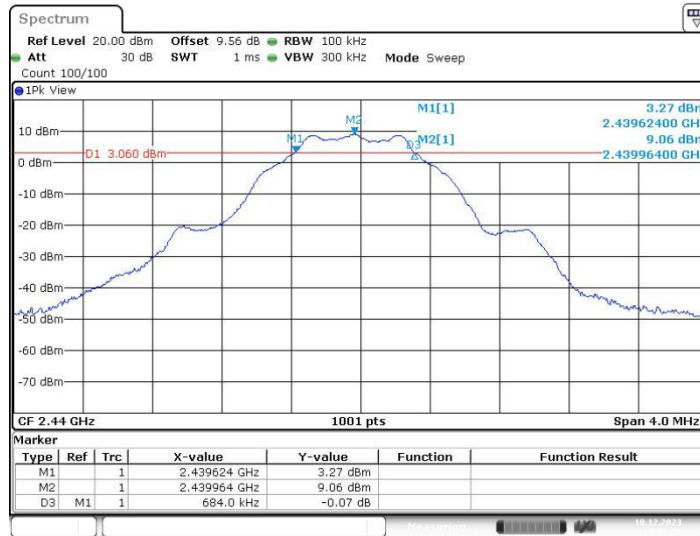


Test Graphs

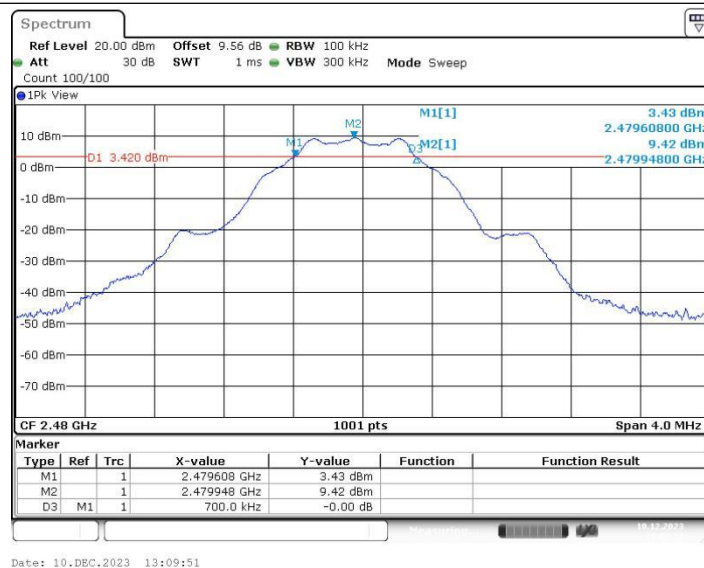
BLE_1M_Ant1_2402



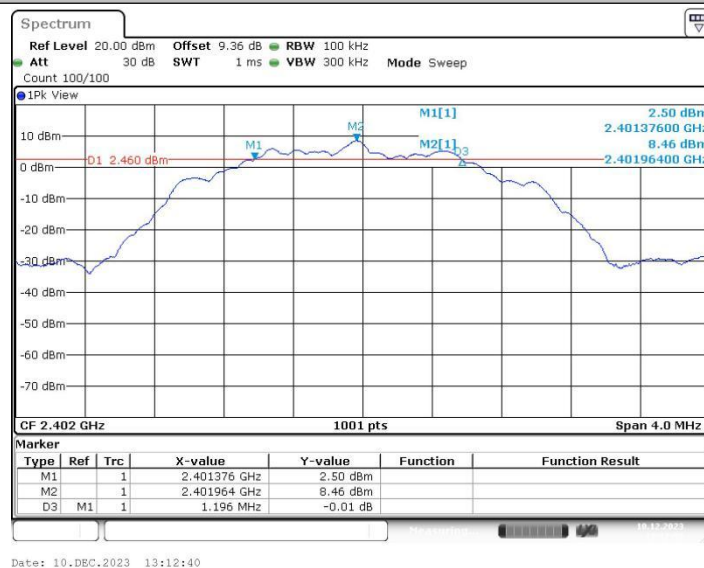
BLE_1M_Ant1_2440



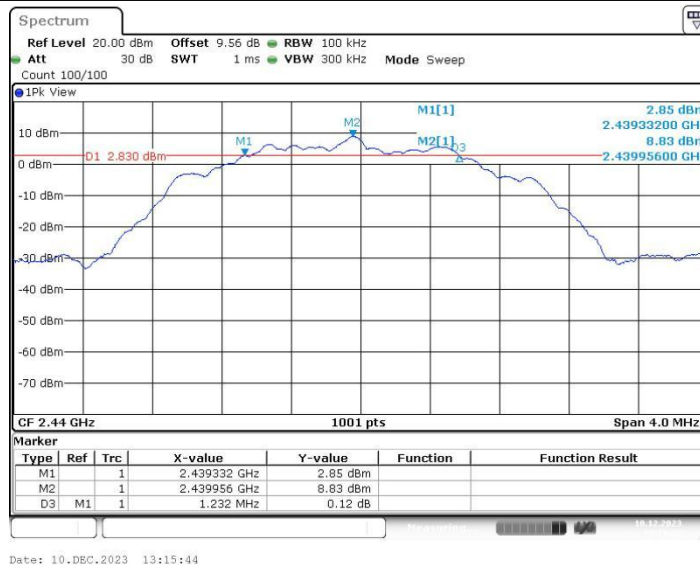
BLE_1M_Ant1_2480



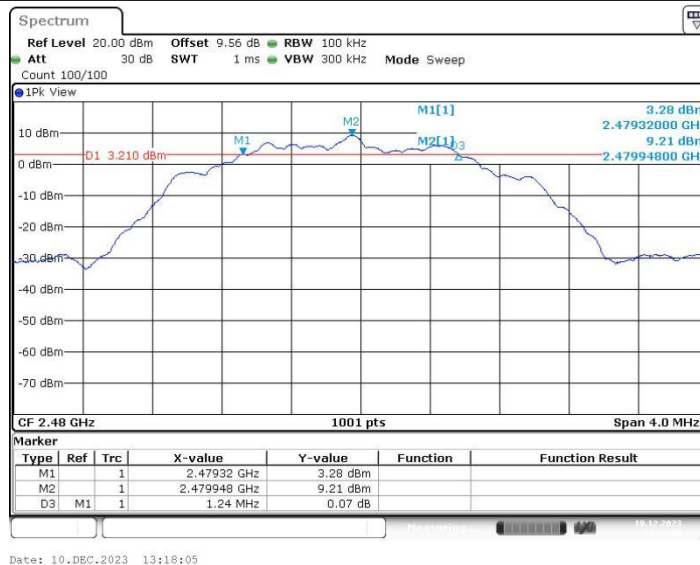
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480





Appendix B: Occupied Channel Bandwidth

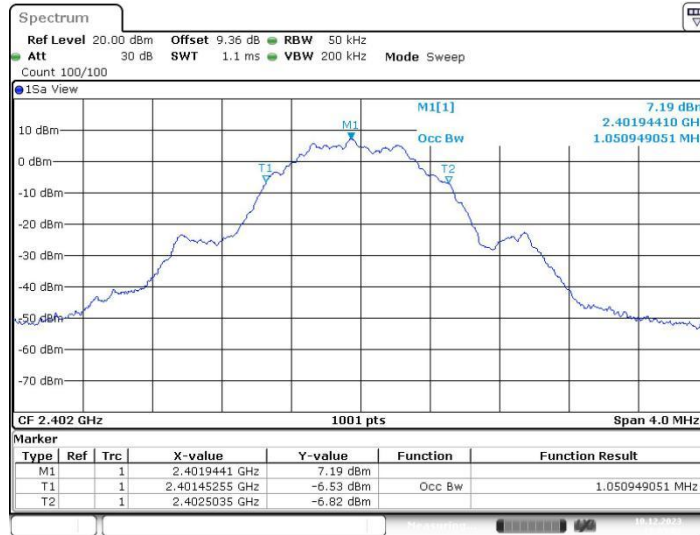
Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.051	2401.4525	2402.5035	---	---
		2440	1.051	2439.4486	2440.4995	---	---
		2480	1.051	2479.4406	2480.4915	---	---
BLE_2M	Ant1	2402	2.042	2400.9650	2403.0070	---	---
		2440	2.042	2438.9570	2440.9990	---	---
		2480	2.042	2478.9491	2480.9910	---	---

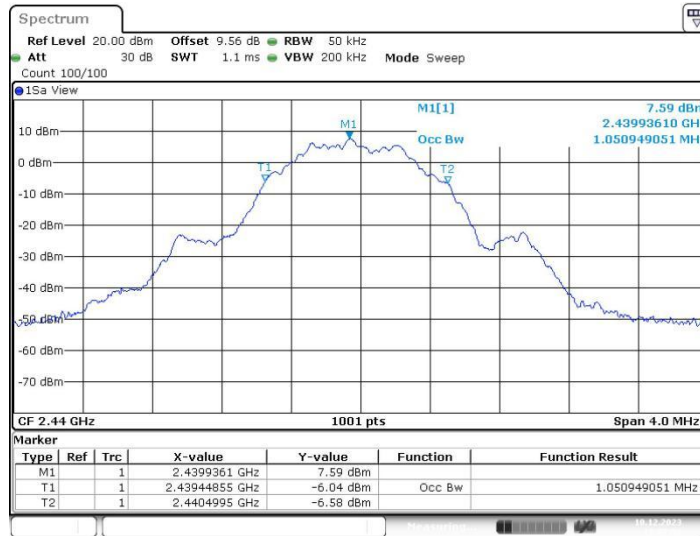


Test Graphs

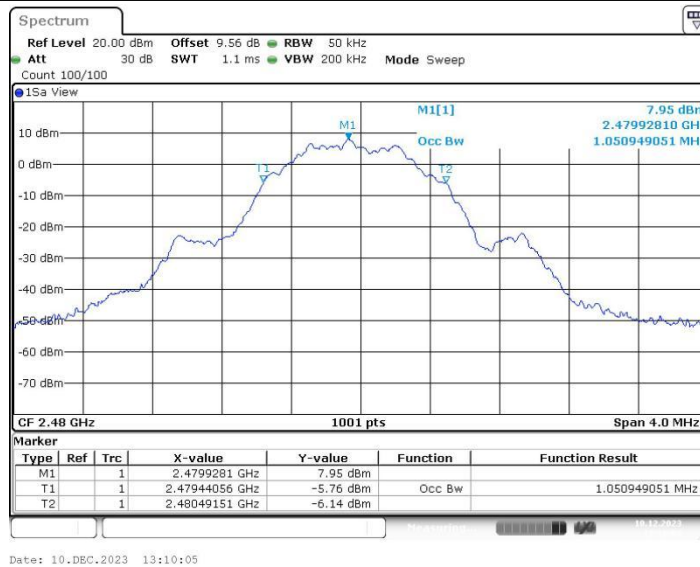
BLE_1M_Ant1_2402



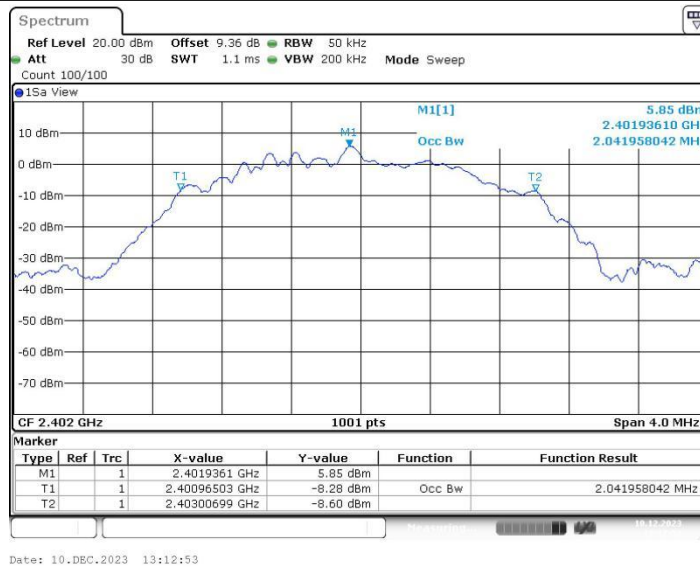
BLE_1M_Ant1_2440



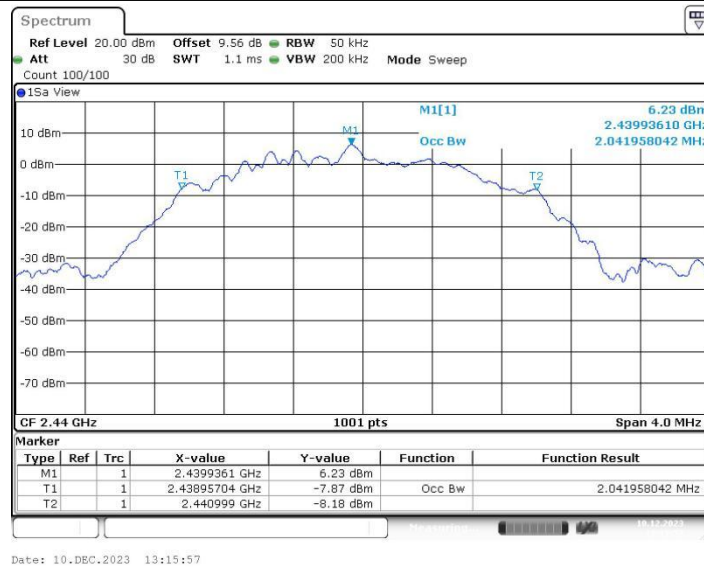
BLE_1M_Ant1_2480



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 Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	9.71	≤30	10.61	≤36	PASS
		2440	10.11	≤30	11.01	≤36	PASS
		2480	10.49	≤30	11.39	≤36	PASS
BLE_2M	Ant1	2402	9.93	≤30	10.83	≤36	PASS
		2440	10.34	≤30	11.24	≤36	PASS
		2480	10.74	≤30	11.64	≤36	PASS

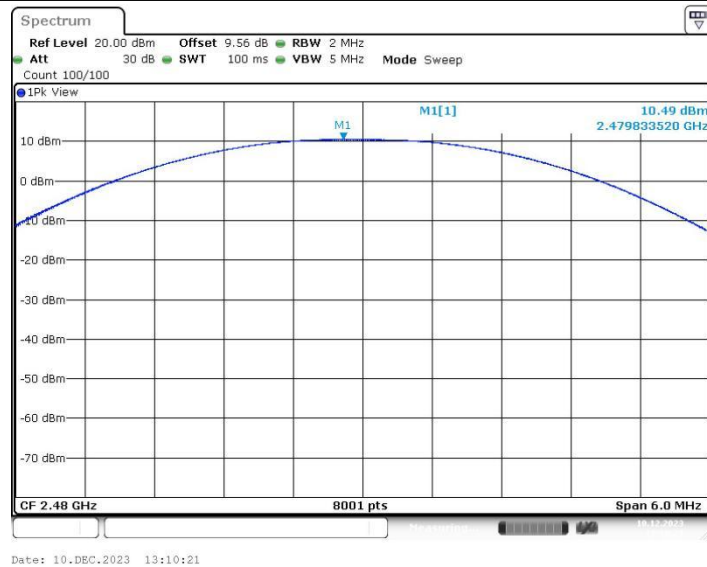
Test Result Average

Test Mode	Antenna	Freq(MHz)	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
BLE_1M	Ant1	2402	7.80	≤30.00	0.90	8.70	≤36.00	PASS
		2440	8.06	≤30.00	0.90	8.96	≤36.00	PASS
		2480	7.97	≤30.00	0.90	8.87	≤36.00	PASS
BLE_2M	Ant1	2402	7.96	≤30.00	0.90	8.86	≤36.00	PASS
		2440	8.21	≤30.00	0.90	9.11	≤36.00	PASS
		2480	8.12	≤30.00	0.90	9.02	≤36.00	PASS



Test Graphs Peak





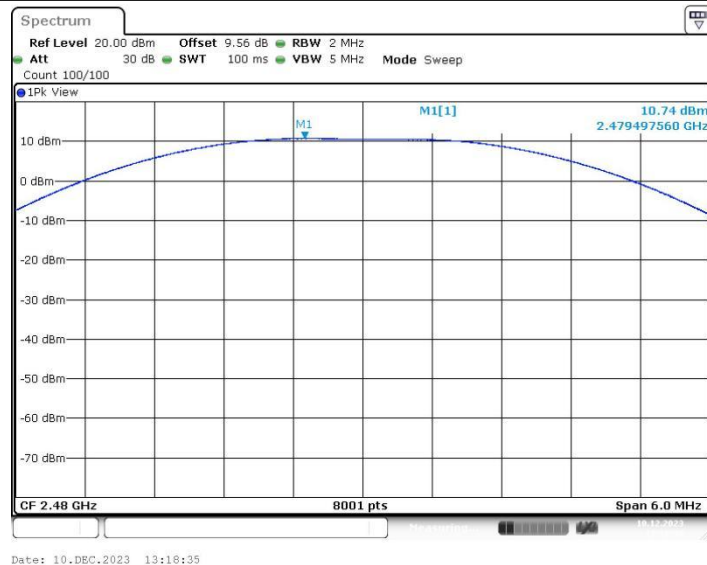
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480





Appendix D: Maximum power spectral density

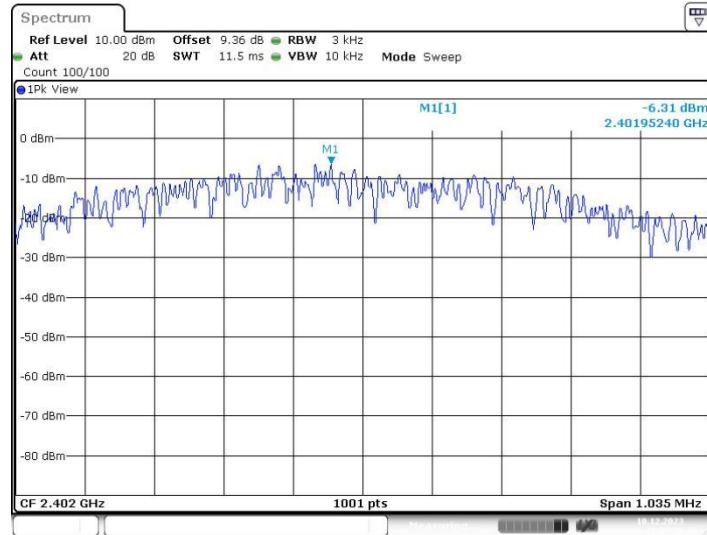
Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-6.31	≤8.00	PASS
		2440	-5.88	≤8.00	PASS
		2480	-5.44	≤8.00	PASS
BLE_2M	Ant1	2402	-8.38	≤8.00	PASS
		2440	-7.94	≤8.00	PASS
		2480	-7.52	≤8.00	PASS

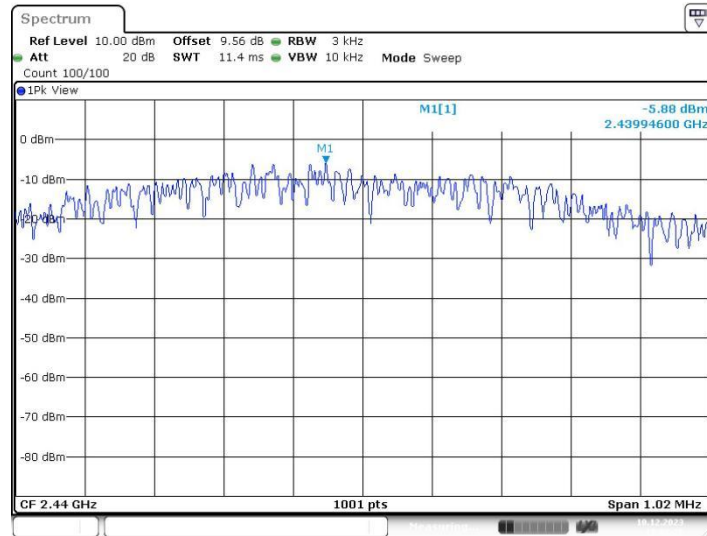


Test Graphs

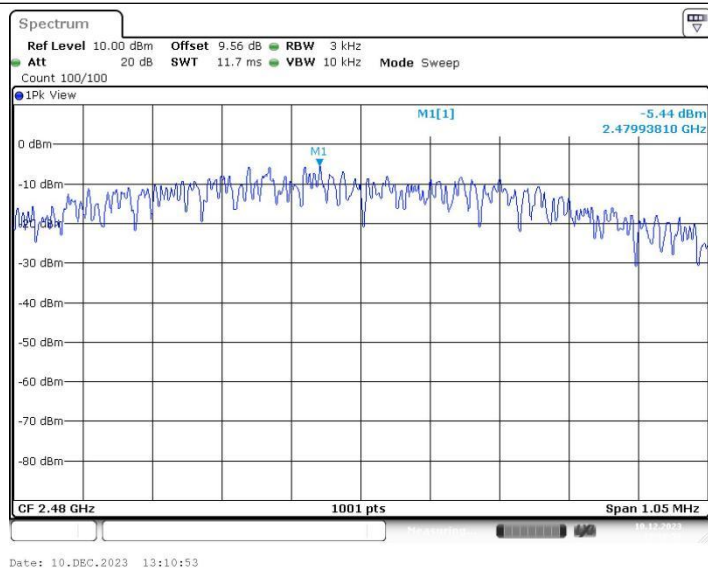
BLE_1M_Ant1_2402



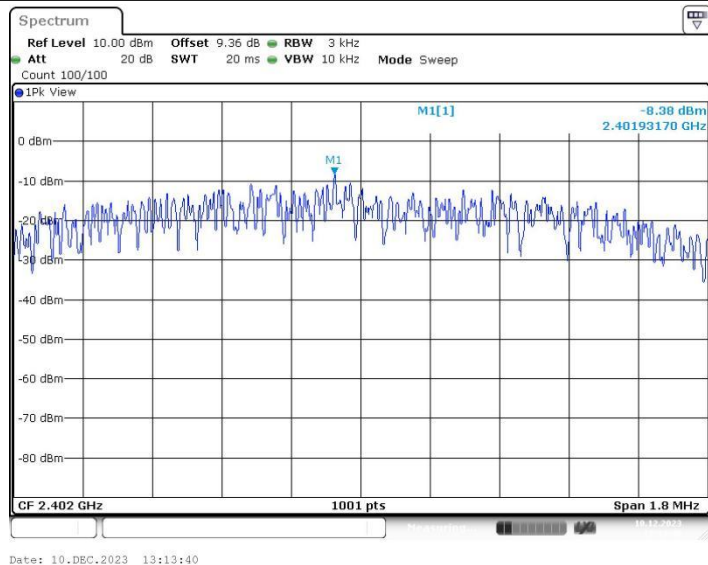
BLE_1M_Ant1_2440



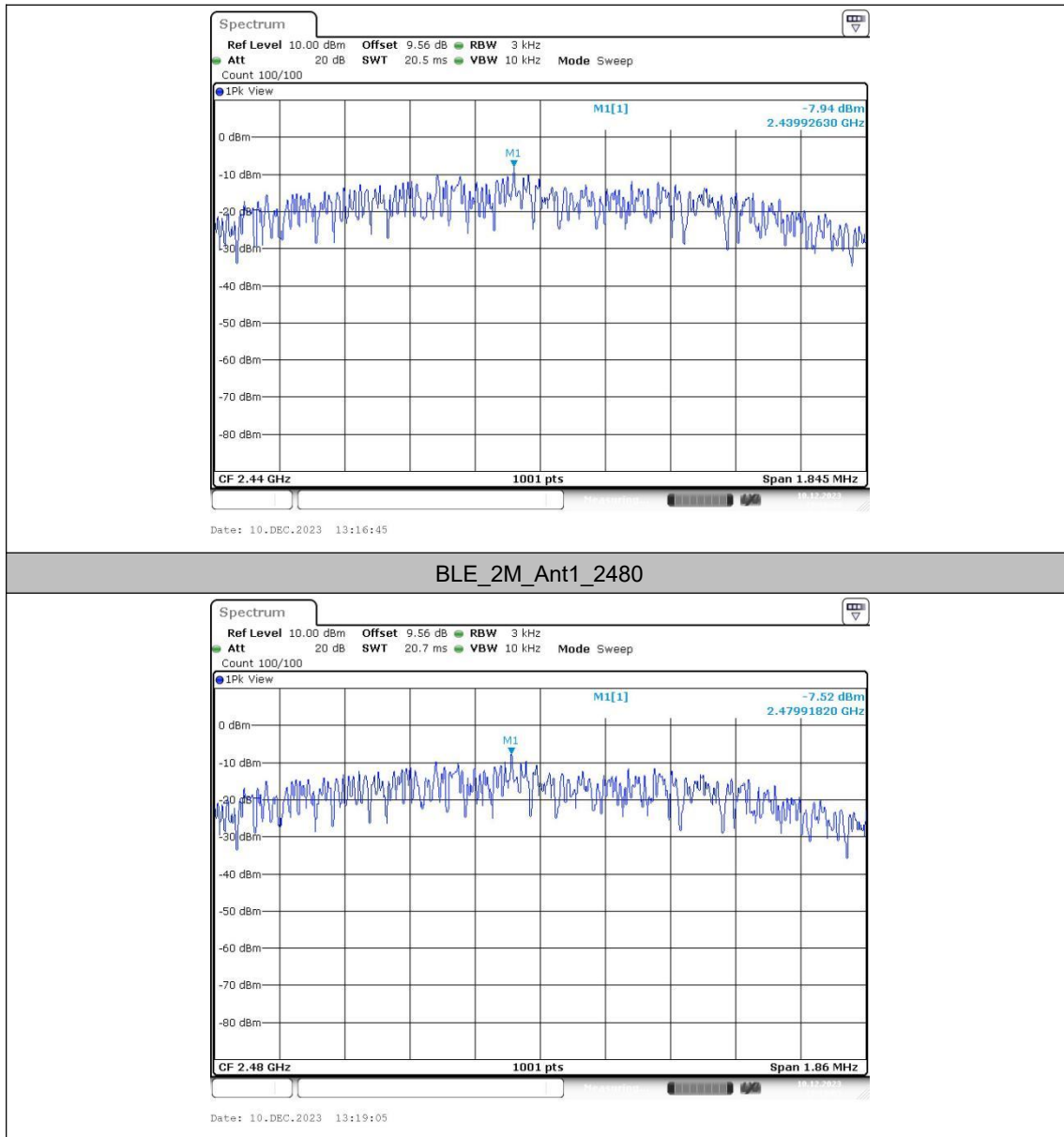
BLE_1M_Ant1_2480



BLE_2M_Ant1_2402



BLE_2M_Ant1_2440





ppendix E: Reference level measurement

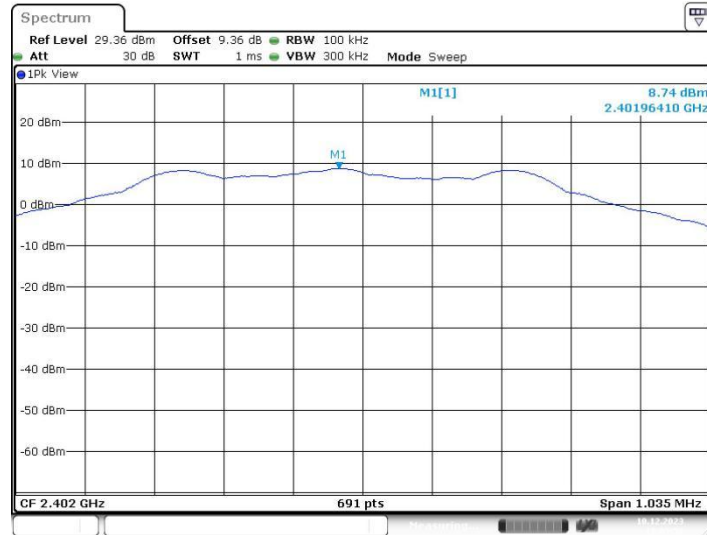
Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
BLE_1M	Ant1	2402	2401.96	8.74
		2440	2439.95	9.10
		2480	2479.95	9.47
BLE_2M	Ant1	2402	2401.96	8.50
		2440	2439.95	8.89
		2480	2479.95	9.27

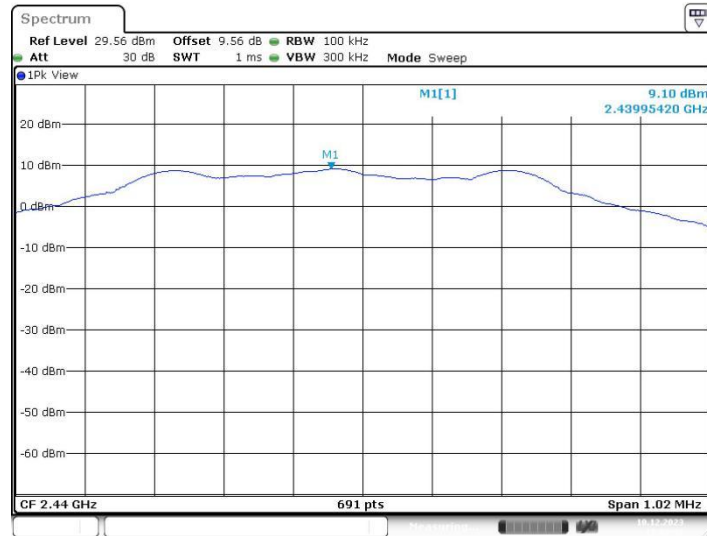


Test Graphs

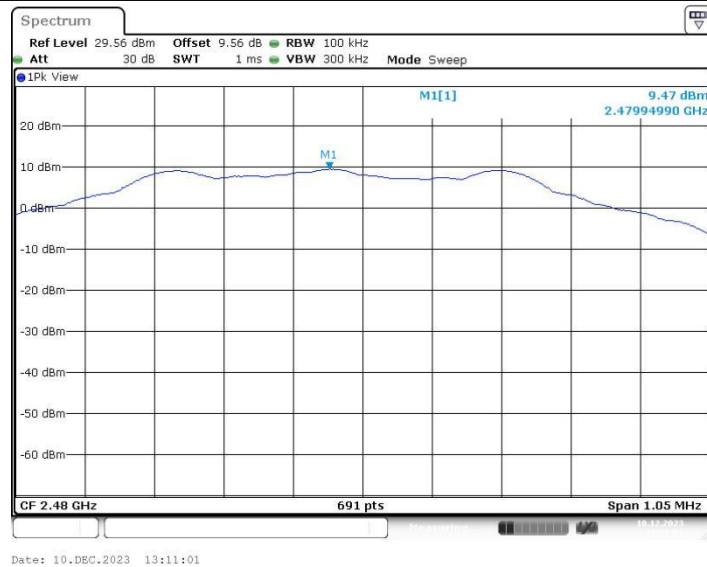
BLE_1M_Ant1_2402



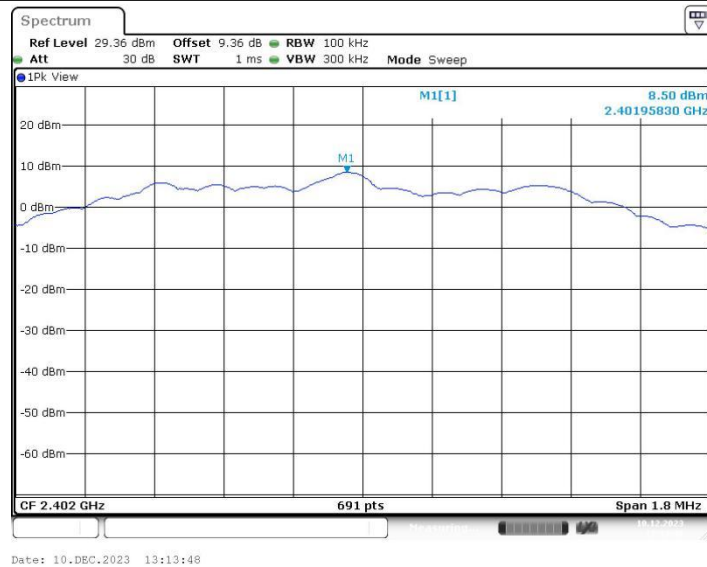
BLE_1M_Ant1_2440



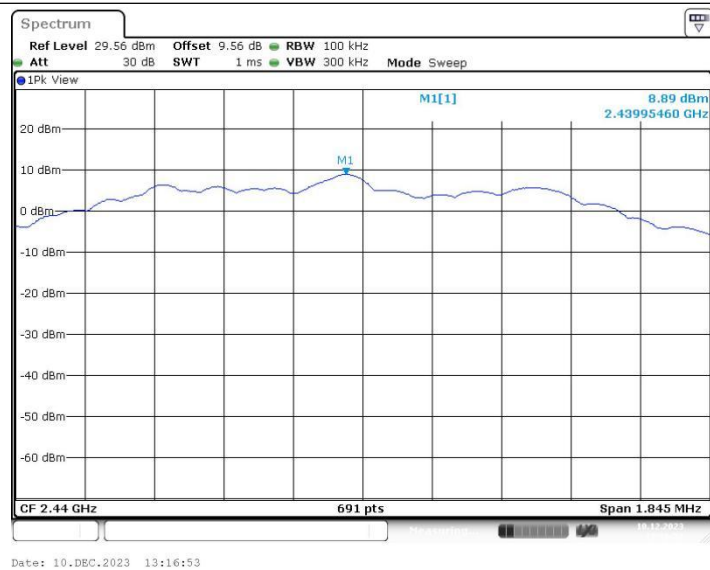
BLE_1M_Ant1_2480



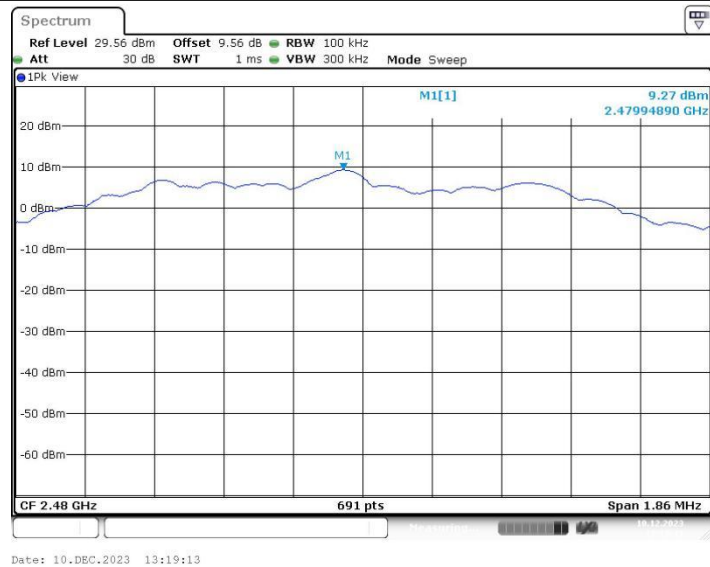
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480





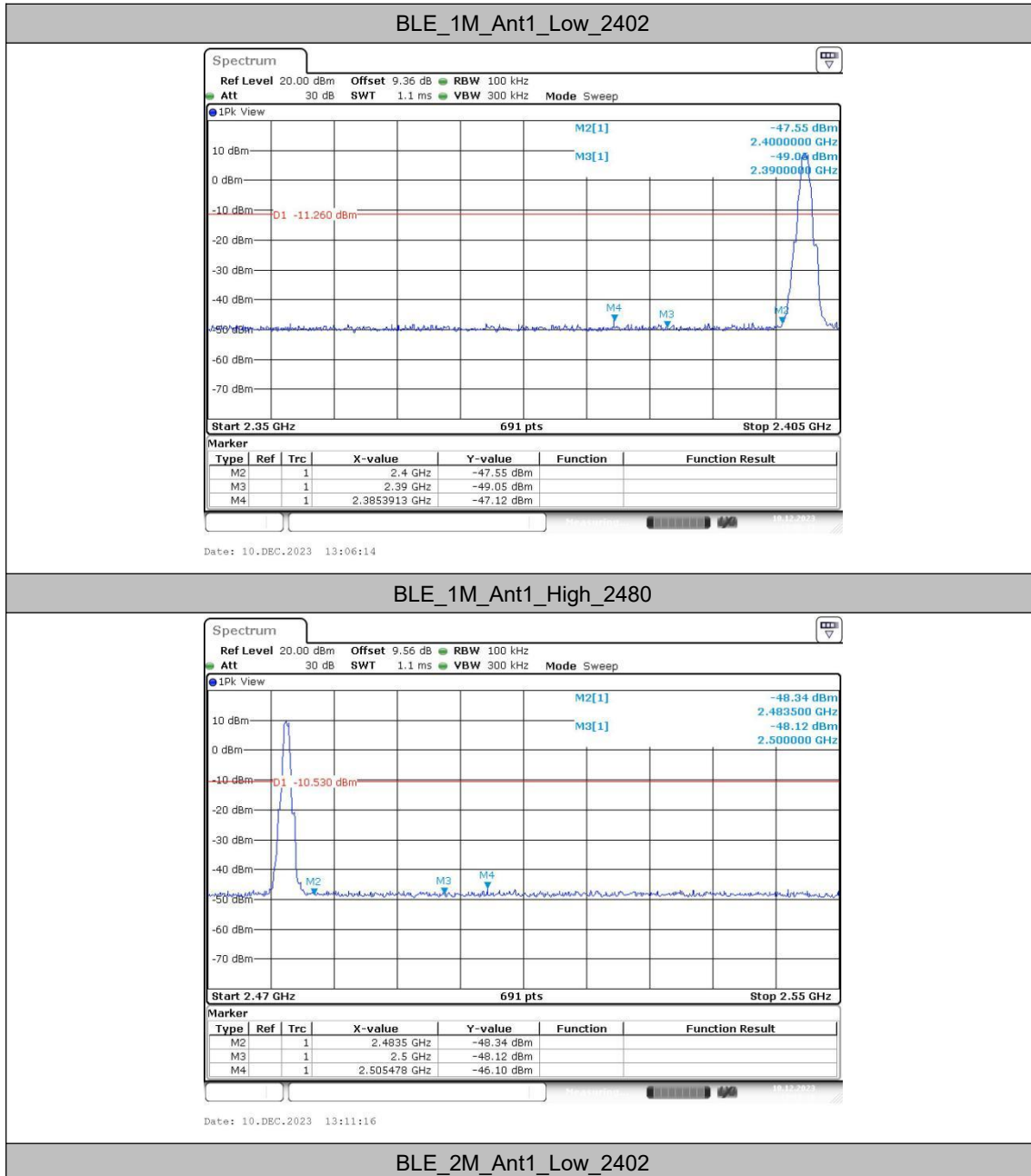
Appendix F: Band edge measurements

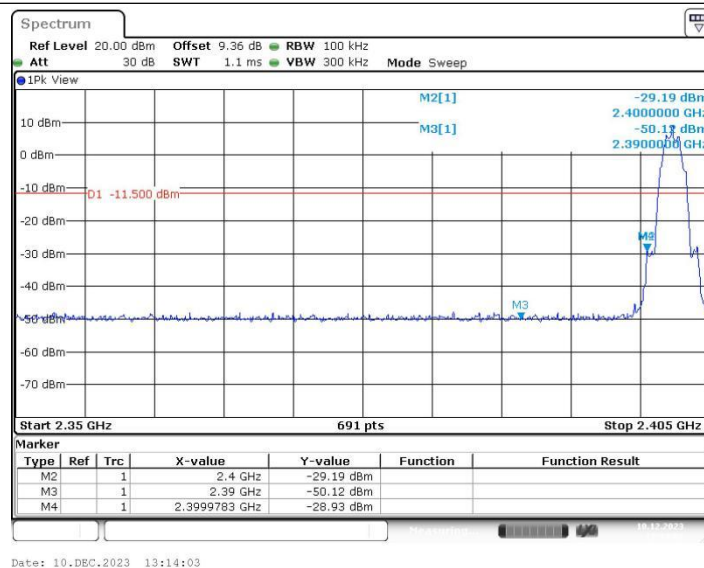
Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	8.74	-47.12	≤ -11.26	PASS
		High	2480	9.47	-46.1	≤ -10.53	PASS
BLE_2M	Ant1	Low	2402	8.50	-28.93	≤ -11.5	PASS
		High	2480	9.27	-46.21	≤ -10.73	PASS

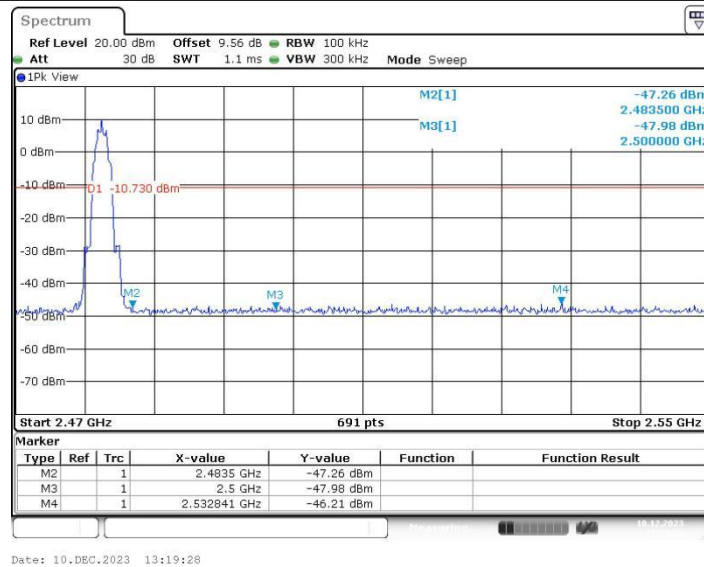


Test Graphs





BLE_2M_Ant1_High_2480





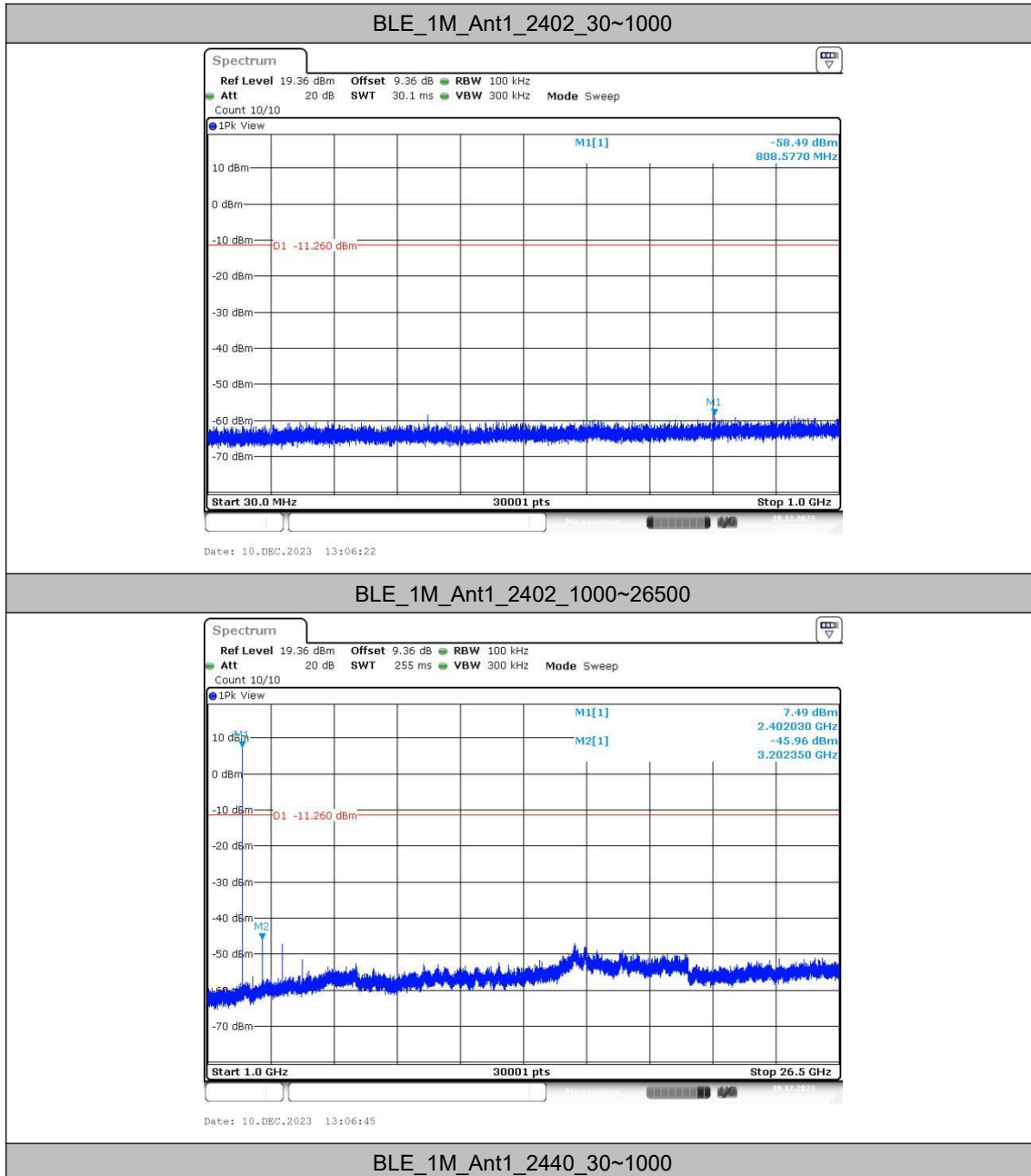
Appendix G: Conducted Spurious Emission

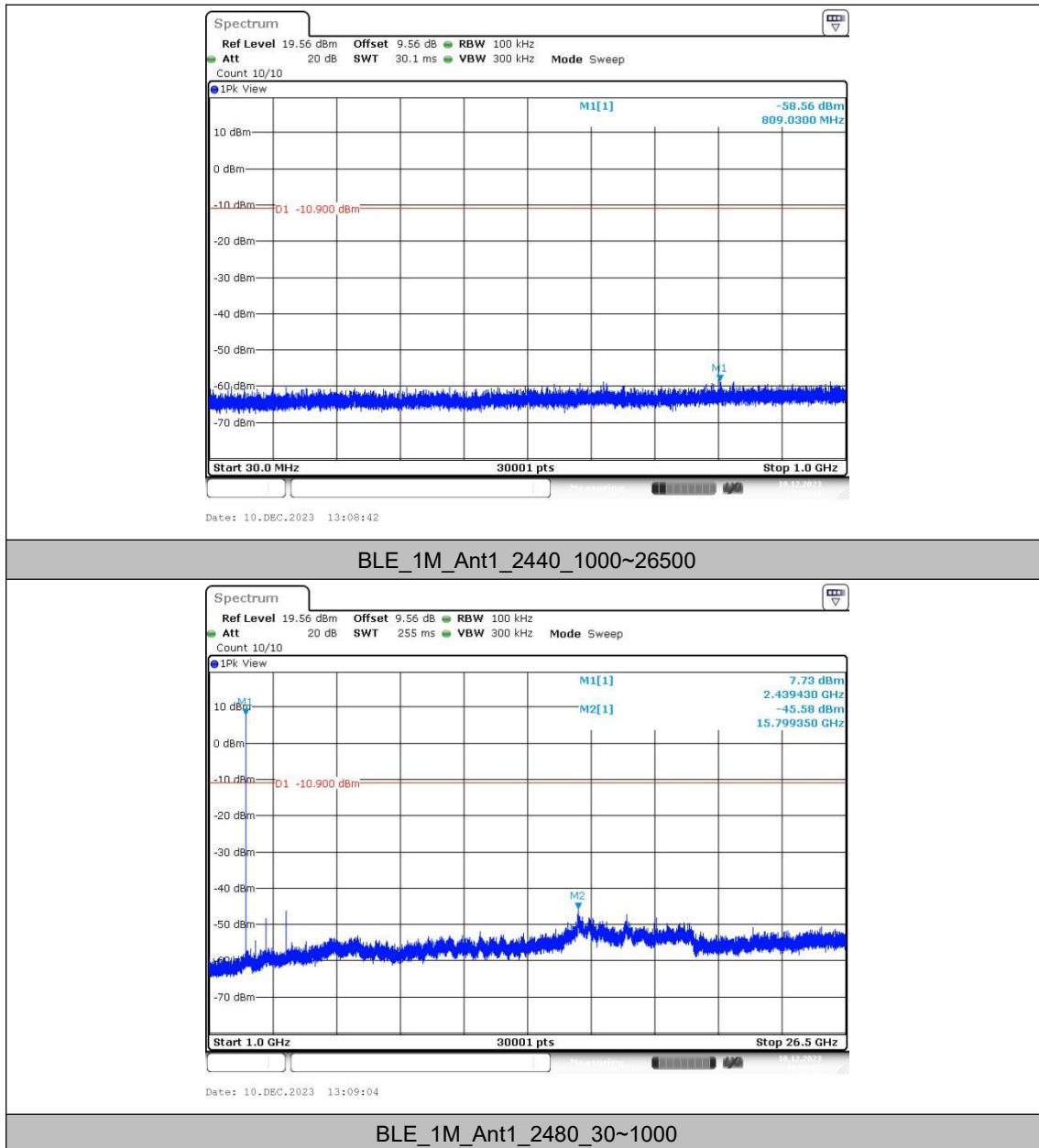
Test Result

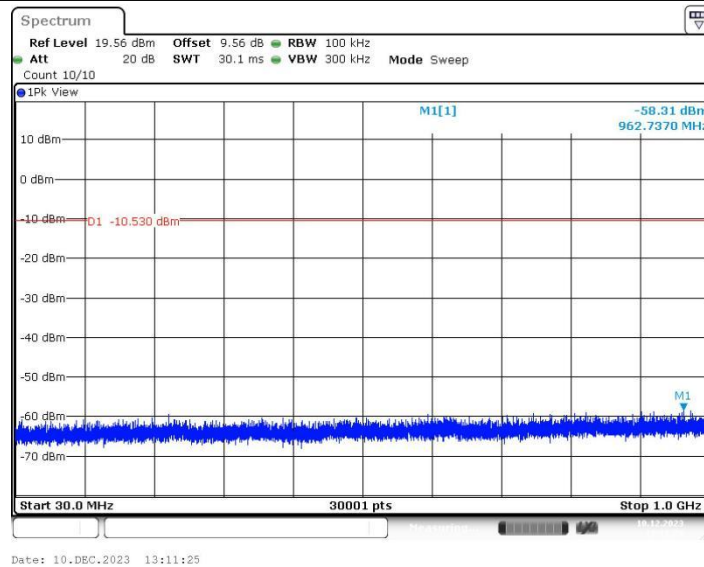
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	30~1000	8.74	-58.49	≤-11.26	PASS
			1000~26500	8.74	-45.96	≤-11.26	PASS
		2440	30~1000	9.10	-58.56	≤-10.9	PASS
			1000~26500	9.10	-45.58	≤-10.9	PASS
		2480	30~1000	9.47	-58.31	≤-10.53	PASS
			1000~26500	9.47	-47.53	≤-10.53	PASS
BLE_2M	Ant1	2402	30~1000	8.50	-59.07	≤-11.5	PASS
			1000~26500	8.50	-46.61	≤-11.5	PASS
		2440	30~1000	8.89	-59.04	≤-11.11	PASS
			1000~26500	8.89	-46.71	≤-11.11	PASS
		2480	30~1000	9.27	-57.91	≤-10.73	PASS
			1000~26500	9.27	-47.4	≤-10.73	PASS



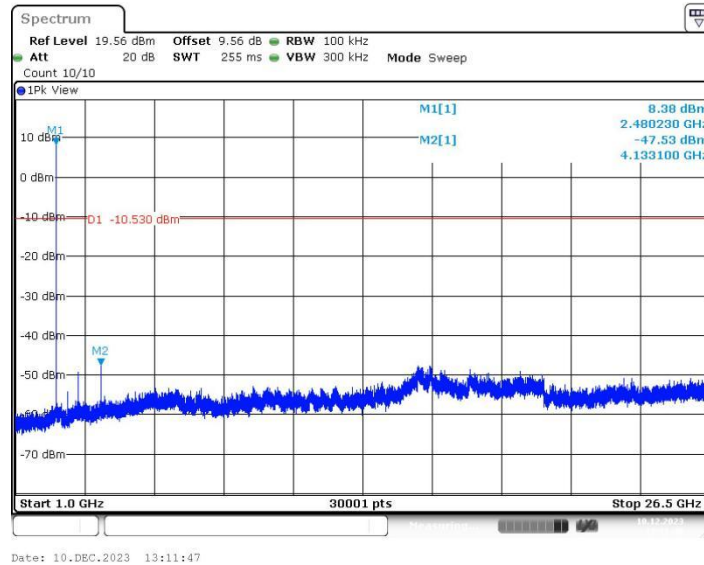
Test Graphs



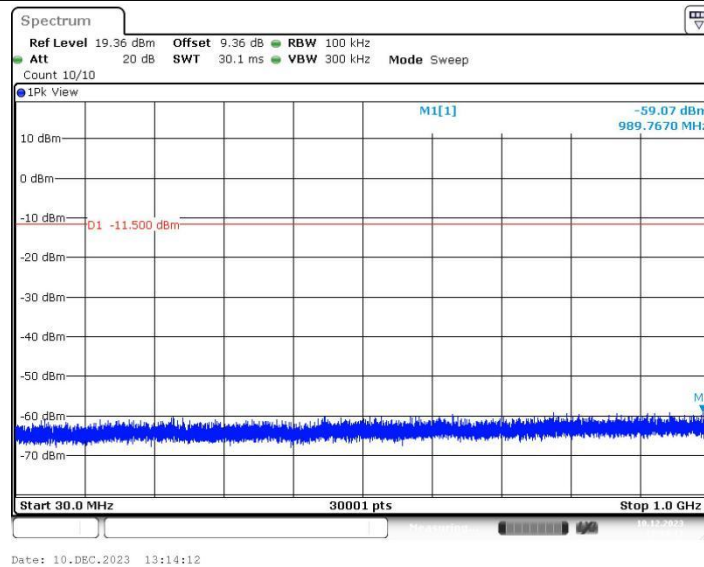




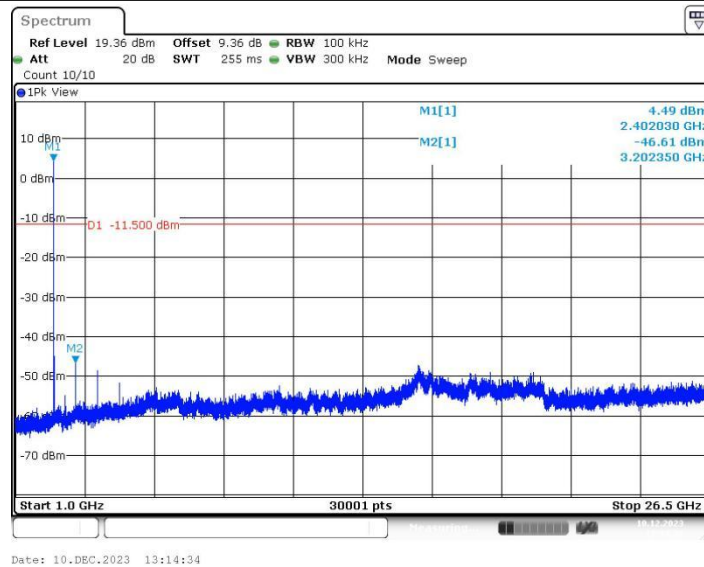
BLE_1M_Ant1_2480_1000~26500



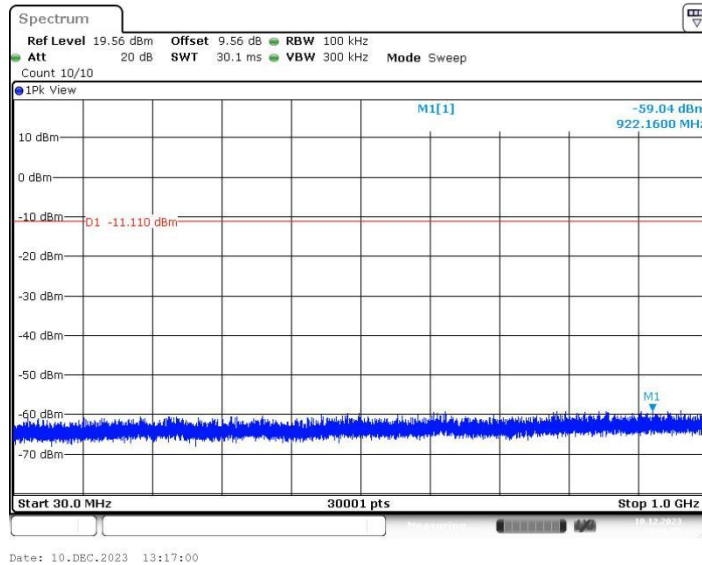
BLE_2M_Ant1_2402_30~1000



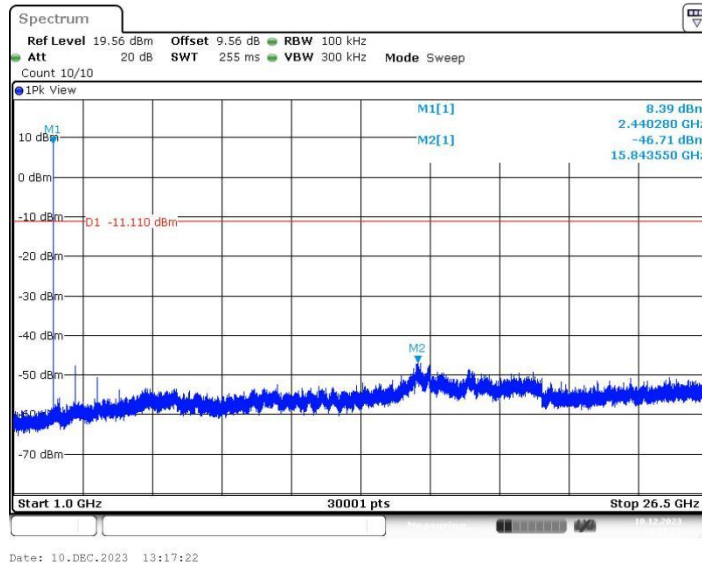
BLE_2M_Ant1_2402_1000~26500



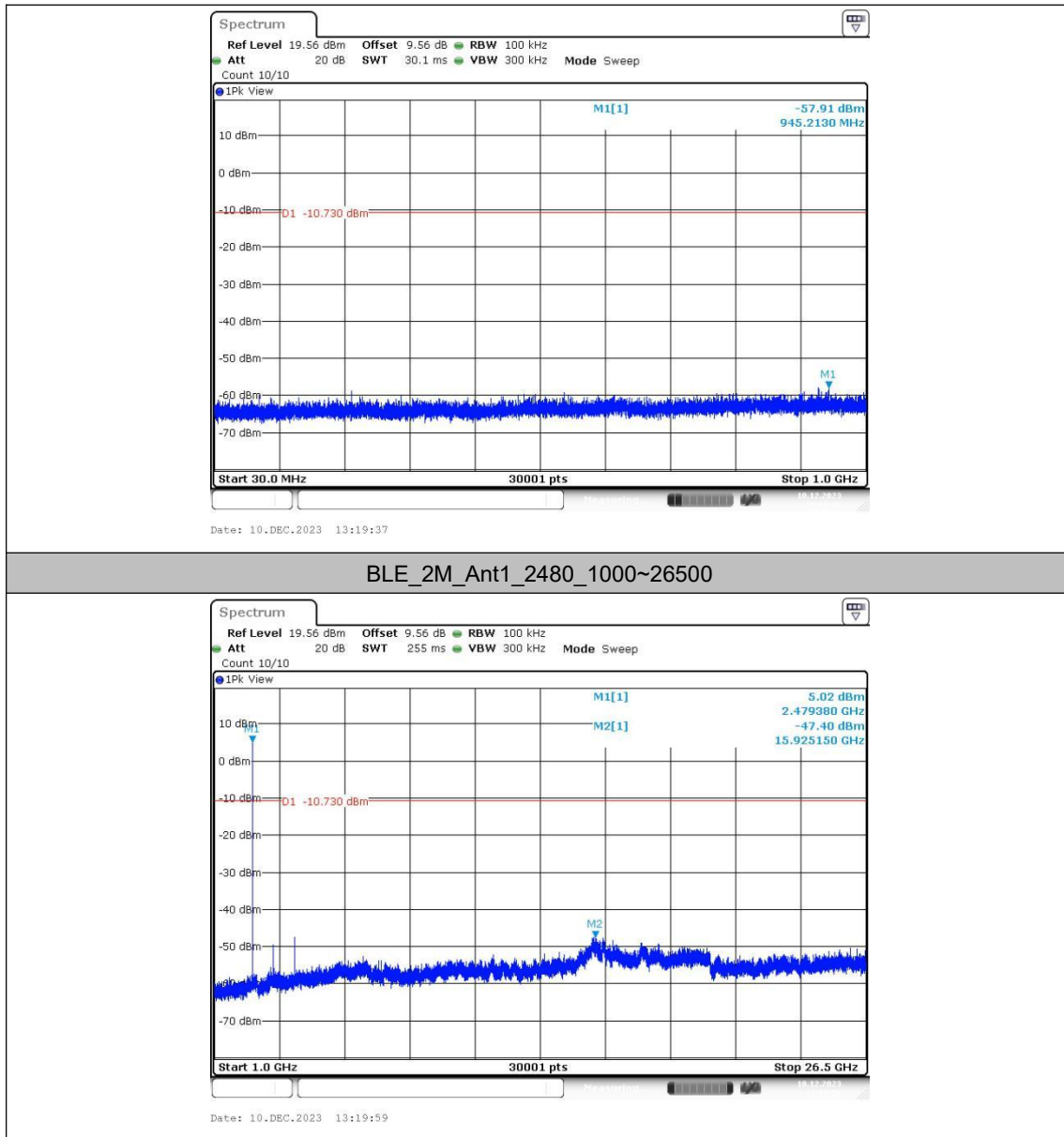
BLE_2M_Ant1_2440_30~1000



BLE_2M_Ant1_2440_1000~26500



BLE_2M_Ant1_2480_30~1000





Appendix H: Duty Cycle

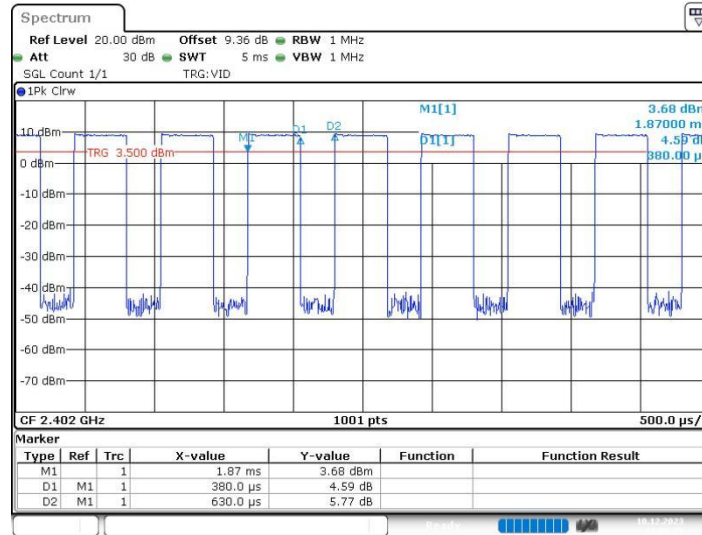
Test Result

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	---	---

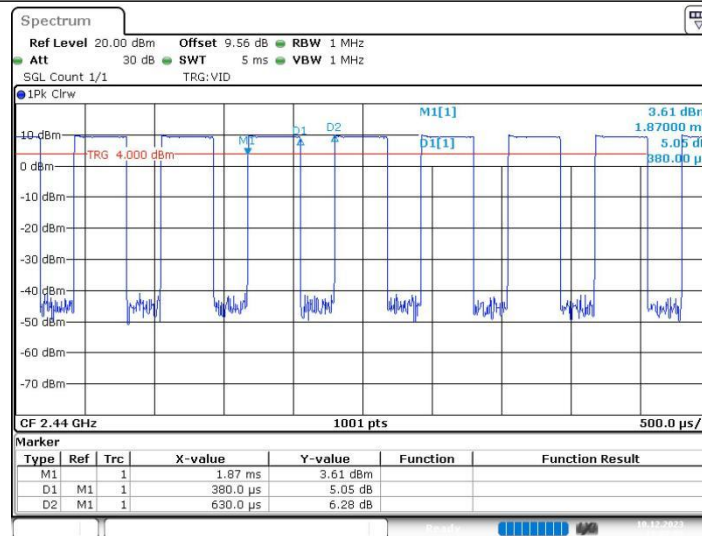


Test Graphs

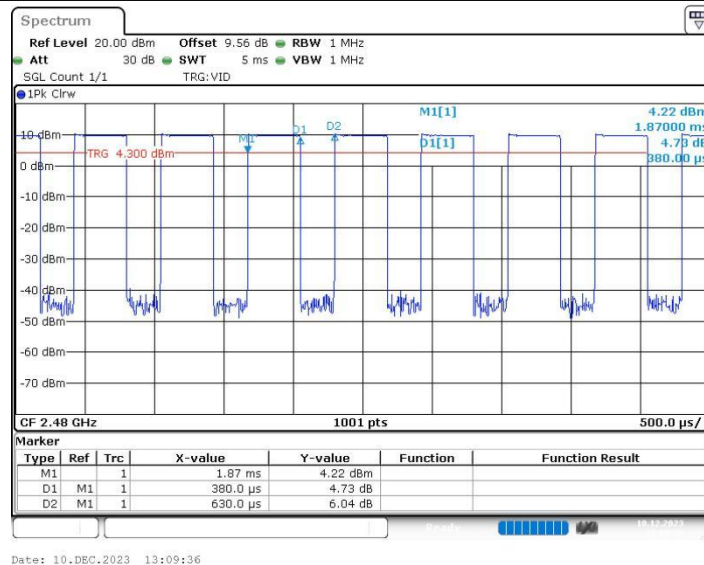
BLE_1M_Ant1_2402



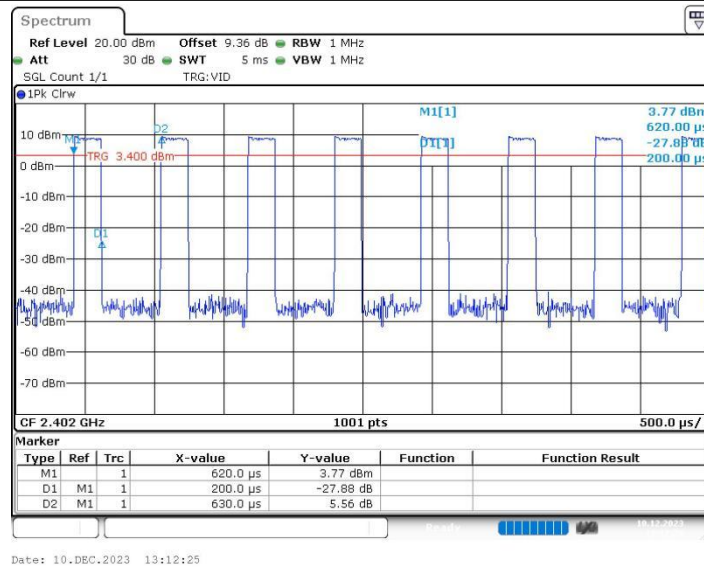
BLE_1M_Ant1_2440



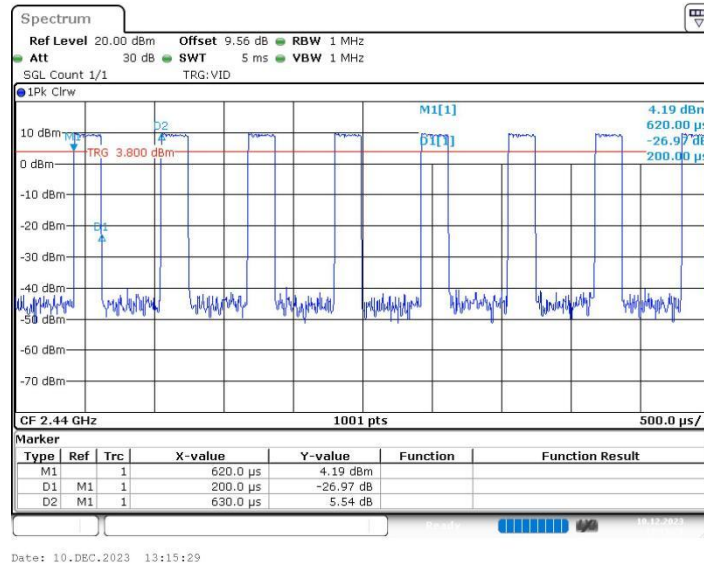
BLE_1M_Ant1_2480



BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480

