



Appendix A: DTS Bandwidth

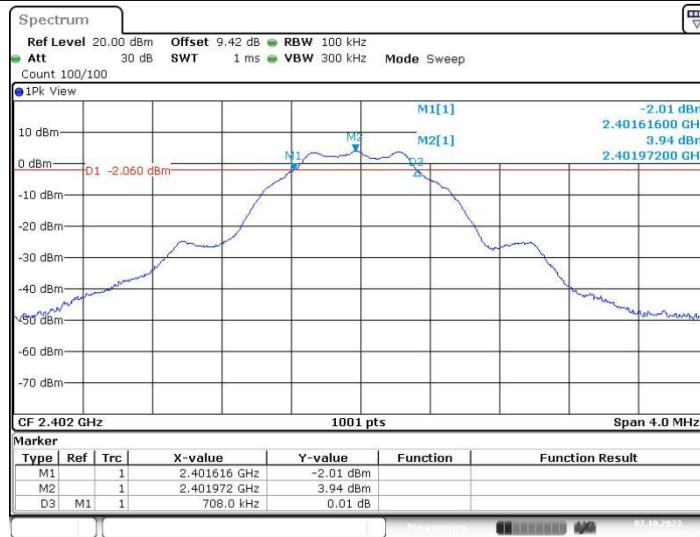
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.71	2401.62	2402.32	0.5	PASS
		2440	0.70	2439.62	2440.33	0.5	PASS
		2480	0.71	2479.62	2480.34	0.5	PASS
BLE_2M	Ant1	2402	1.12	2401.42	2402.54	0.5	PASS
		2440	1.11	2439.43	2440.54	0.5	PASS
		2480	1.11	2479.43	2480.54	0.5	PASS

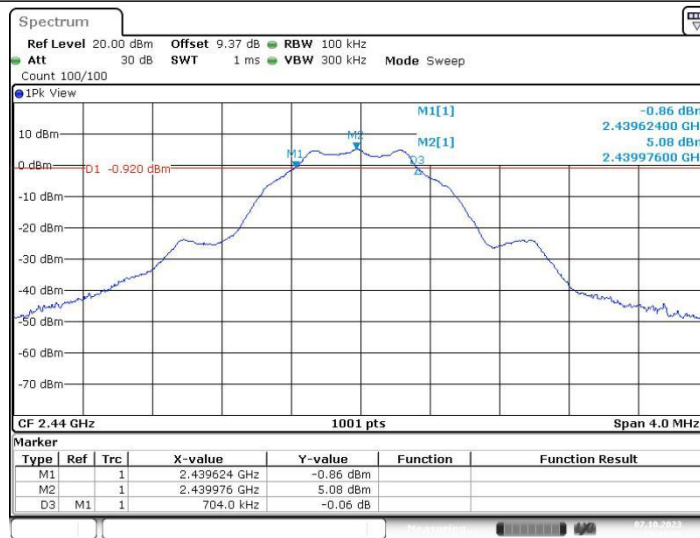


Test Graphs

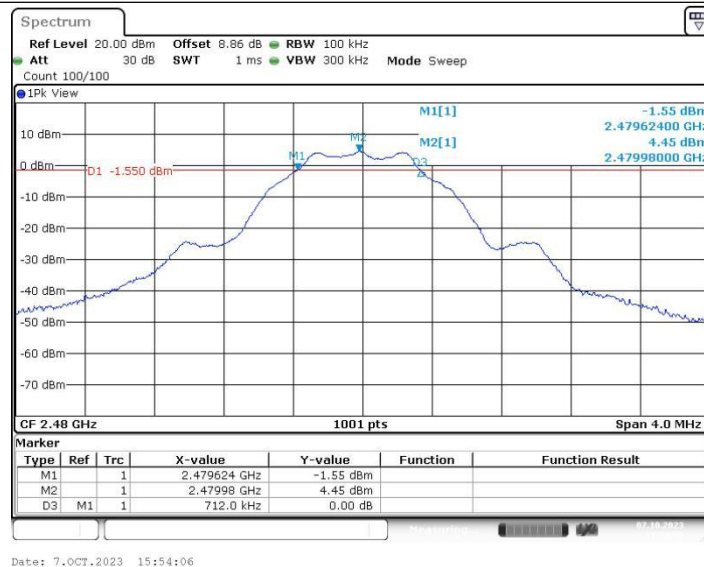
BLE_1M_Ant1_2402



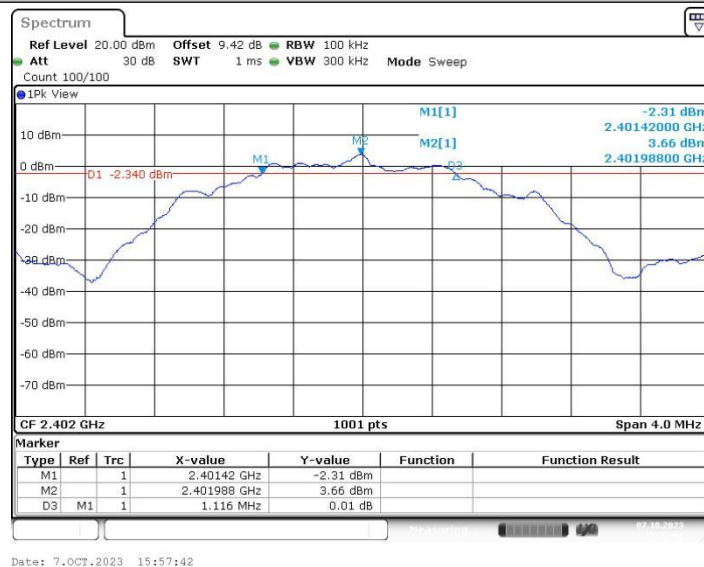
BLE_1M_Ant1_2440



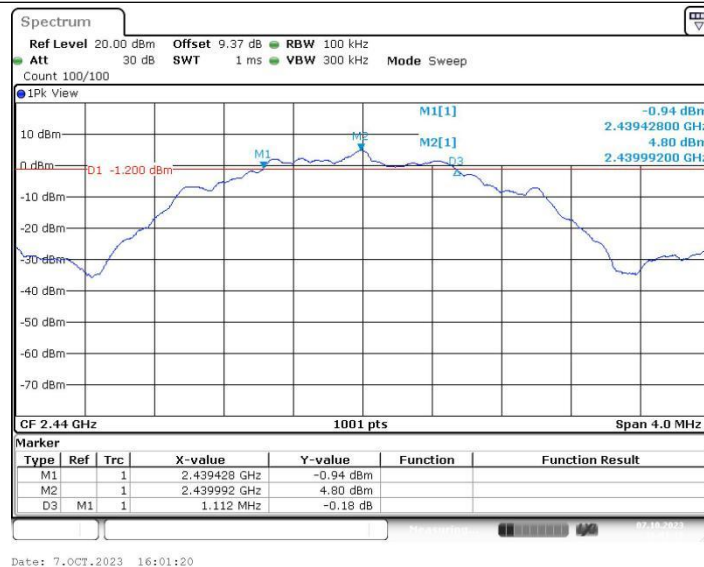
BLE_1M_Ant1_2480



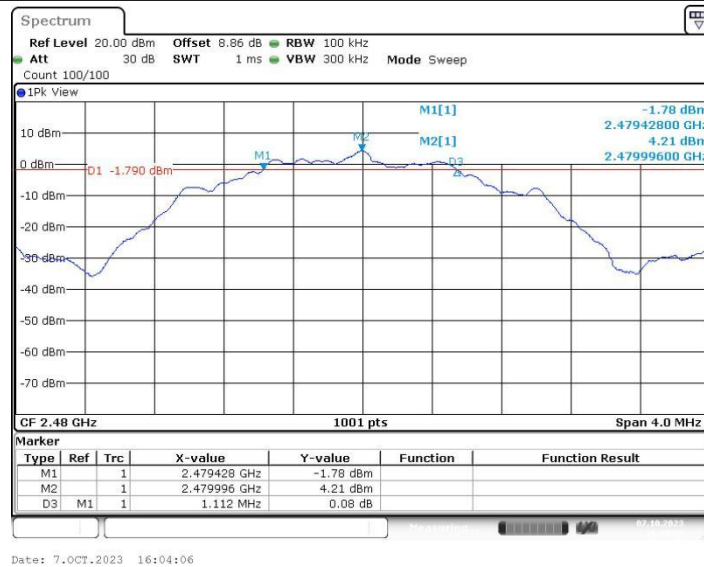
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480





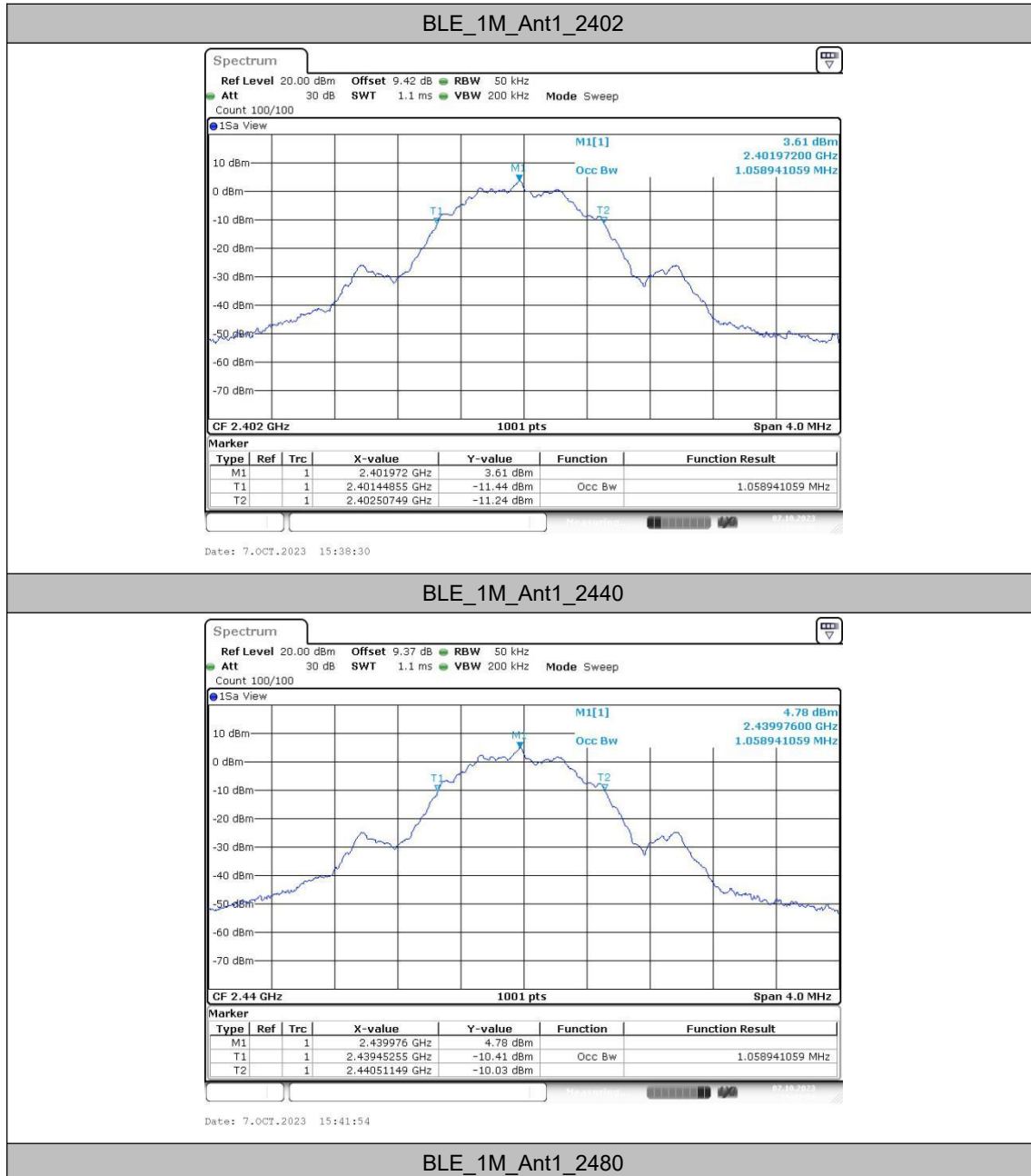
Appendix B: Occupied Channel Bandwidth

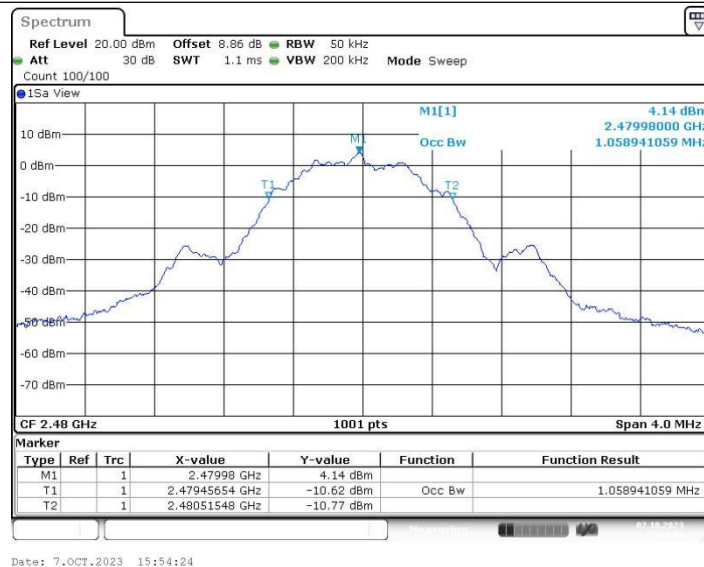
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.059	2401.449	2402.507	---	---
		2440	1.059	2439.453	2440.511	---	---
		2480	1.059	2479.457	2480.515	---	---
BLE_2M	Ant1	2402	2.066	2400.953	2403.019	---	---
		2440	2.066	2438.957	2441.023	---	---
		2480	2.066	2478.961	2481.027	---	---

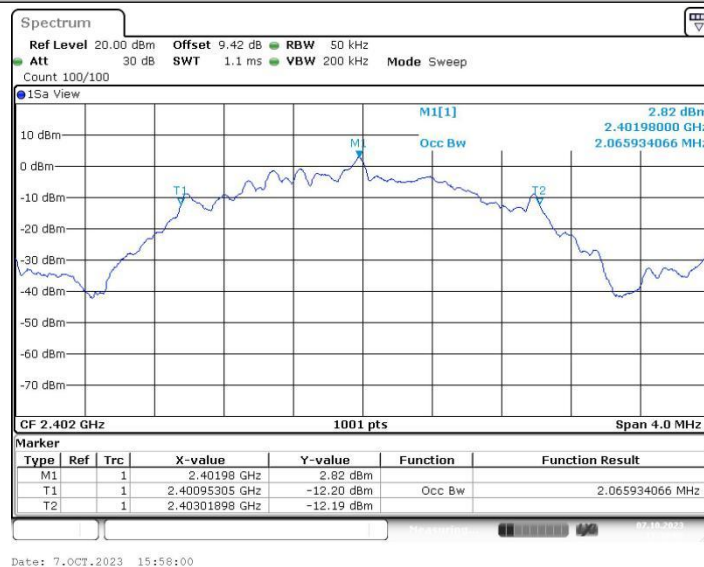


Test Graphs

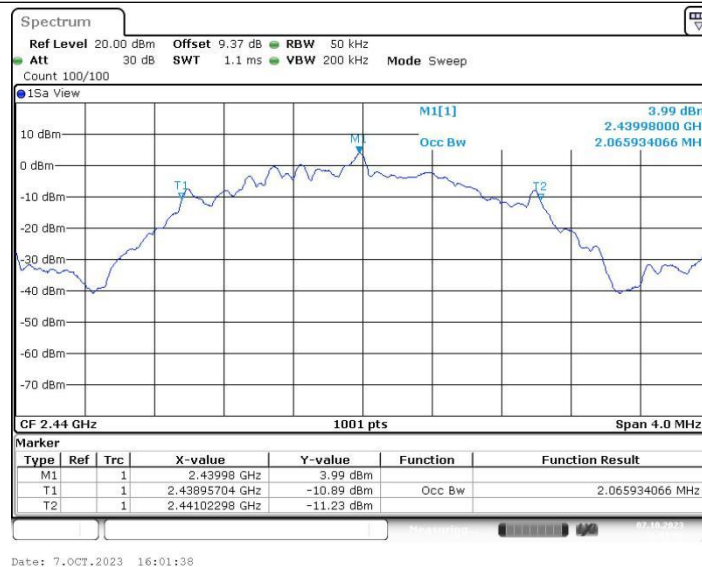




BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480





Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.6	≤30	7.35	≤36	PASS
		2440	5.74	≤30	8.49	≤36	PASS
		2480	5.12	≤30	7.87	≤36	PASS
BLE_2M	Ant1	2402	4.57	≤30	7.32	≤36	PASS
		2440	5.73	≤30	8.48	≤36	PASS
		2480	5.14	≤30	7.89	≤36	PASS

Test Result Average

Test Mode	Antenna	Frequenc y[MHz]	Conducted power[dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
BLE_1M	Ant1	2402	1.98	62.90	2.01	3.99	≤30.00	2.75	6.74	≤36.00	PASS
		2440	2.90	62.90	2.01	4.91	≤30.00	2.75	7.66	≤36.00	PASS
		2480	2.35	62.90	2.01	4.36	≤30.00	2.75	7.11	≤36.00	PASS
BLE_2M	Ant1	2402	-0.81	33.87	4.70	3.89	≤30.00	2.75	6.64	≤36.00	PASS
		2440	0.14	33.87	4.70	4.84	≤30.00	2.75	7.59	≤36.00	PASS
		2480	-0.38	33.87	4.70	4.32	≤30.00	2.75	7.07	≤36.00	PASS



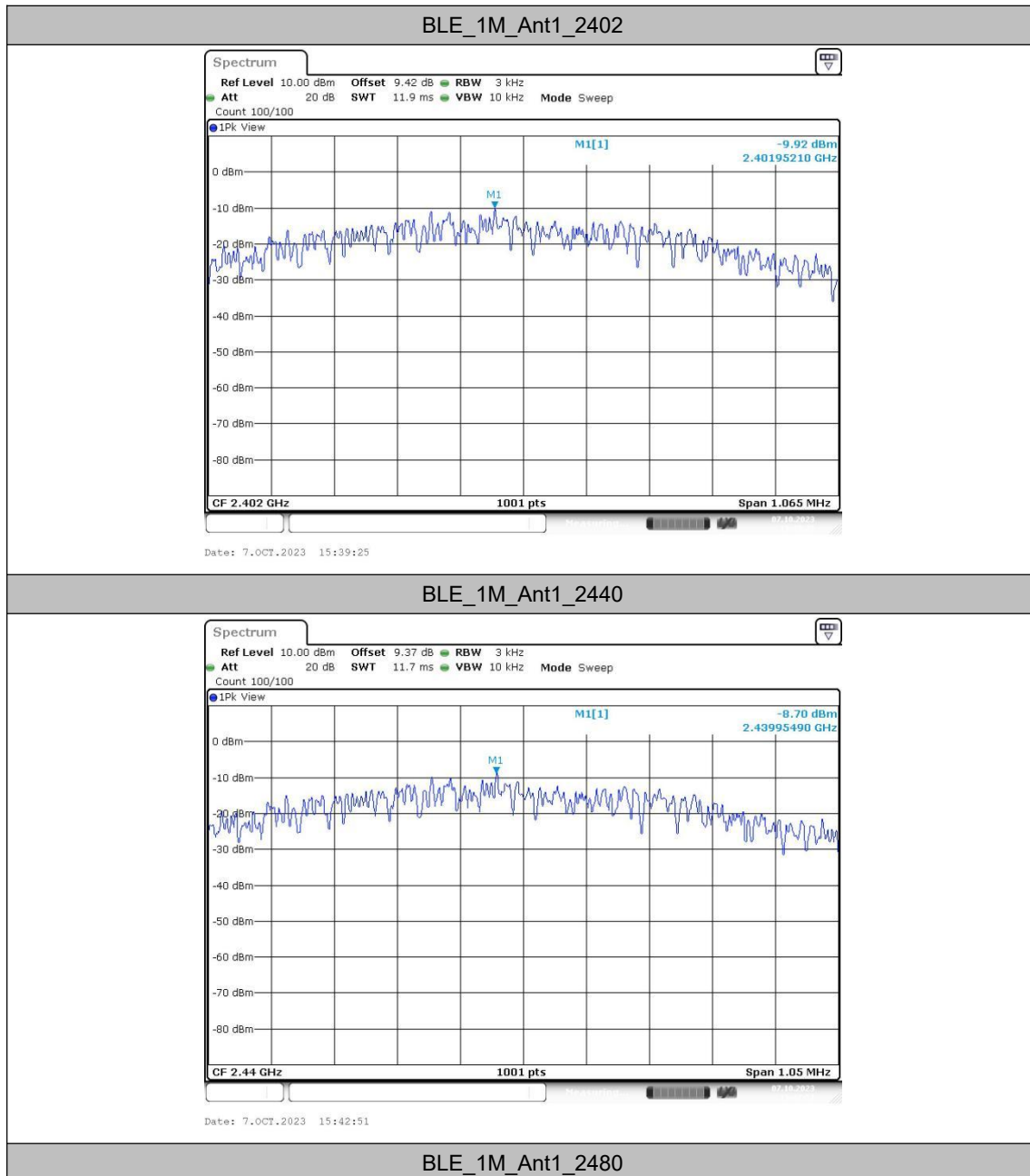
Appendix D: Maximum power spectral density

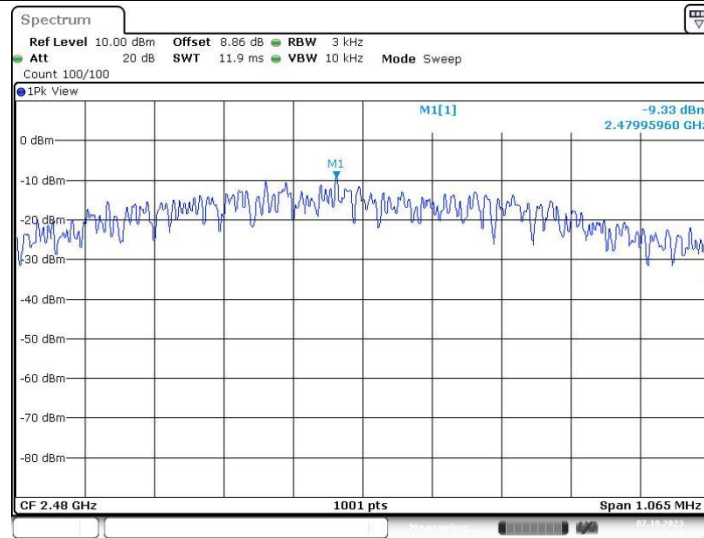
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.92	≤8.00	PASS
		2440	-8.7	≤8.00	PASS
		2480	-9.33	≤8.00	PASS
BLE_2M	Ant1	2402	-12.92	≤8.00	PASS
		2440	-11.64	≤8.00	PASS
		2480	-12	≤8.00	PASS



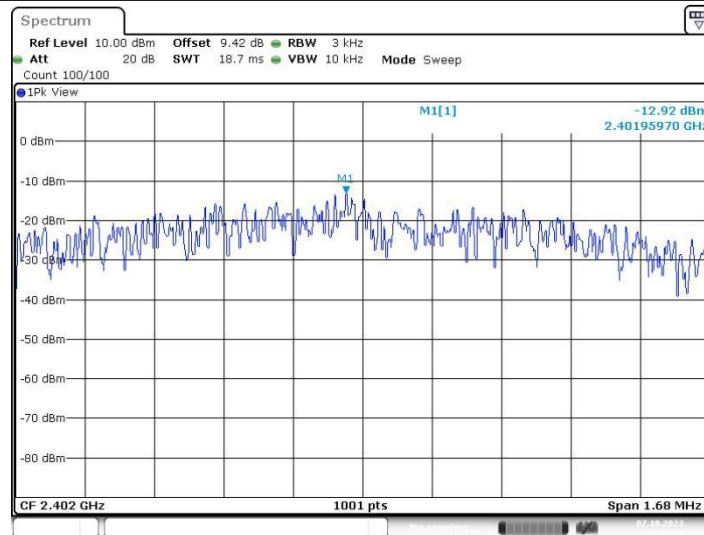
Test Graphs





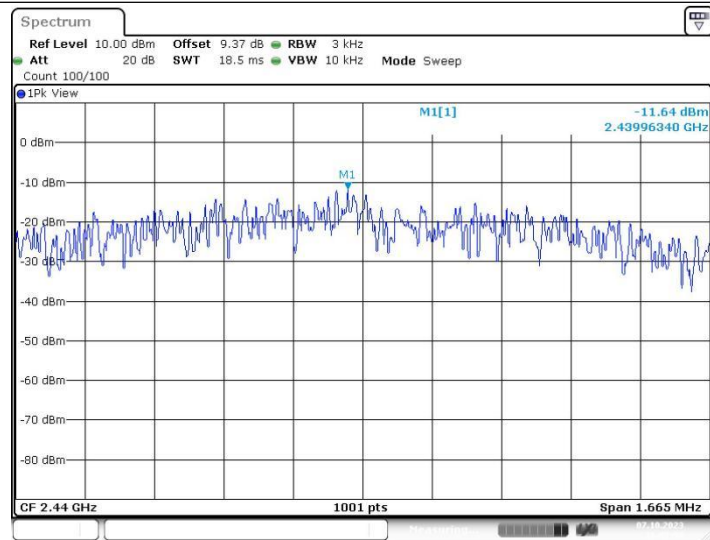
Date: 7.OCT.2023 15:55:21

BLE_2M_Ant1_2402



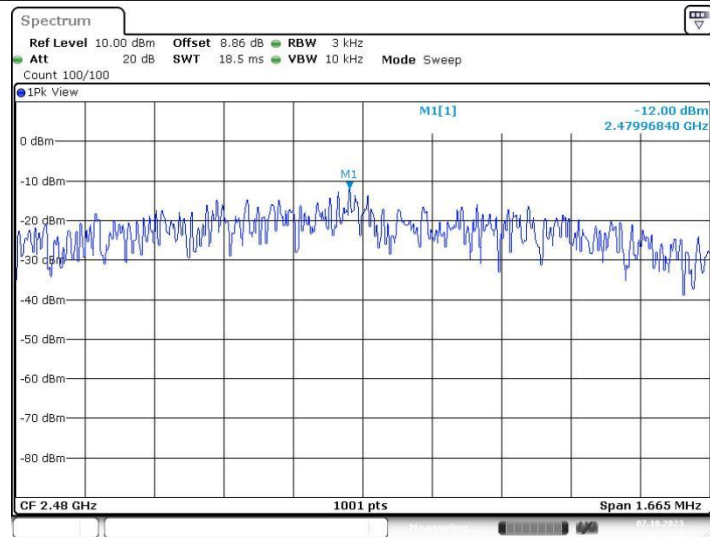
Date: 7.OCT.2023 15:58:56

BLE_2M_Ant1_2440



Date: 7.OCT.2023 16:02:34

BLE_2M_Ant1_2480



Date: 7.OCT.2023 16:05:20



Appendix E: Reference level measurement

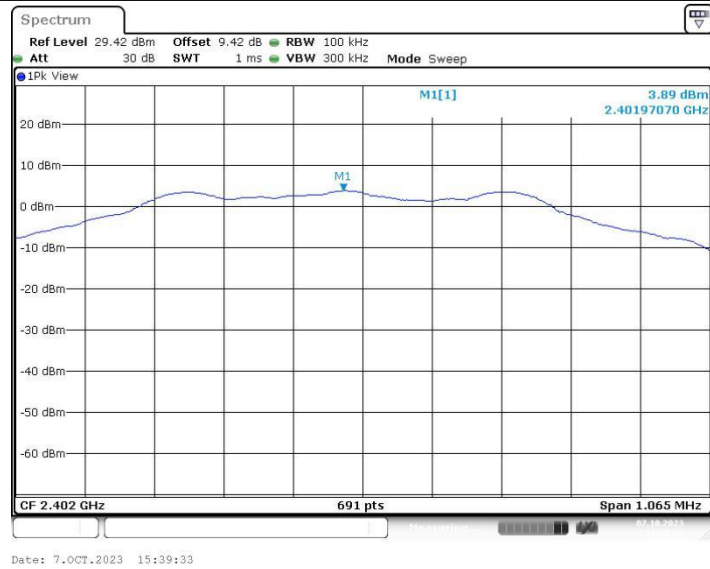
Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
BLE_1M	Ant1	2402	2401.97	3.89
		2440	2439.98	5.01
		2480	2479.98	4.40
BLE_2M	Ant1	2402	2401.98	3.68
		2440	2439.99	4.84
		2480	2480.00	4.22

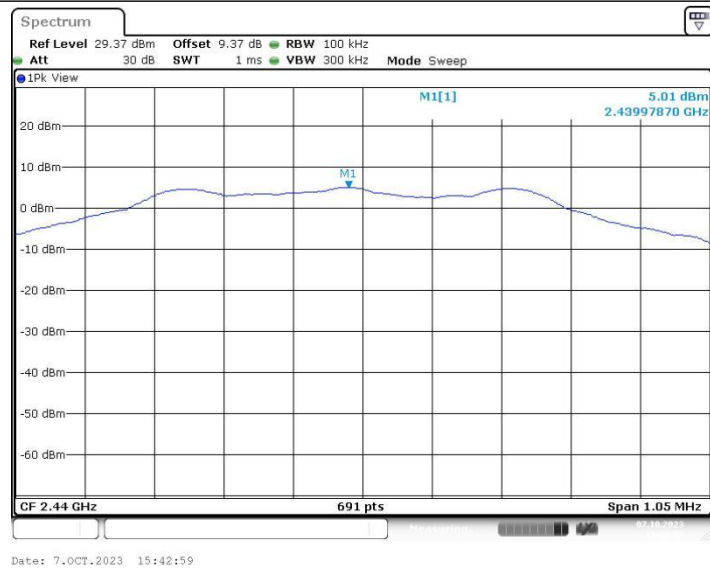


Test Graphs

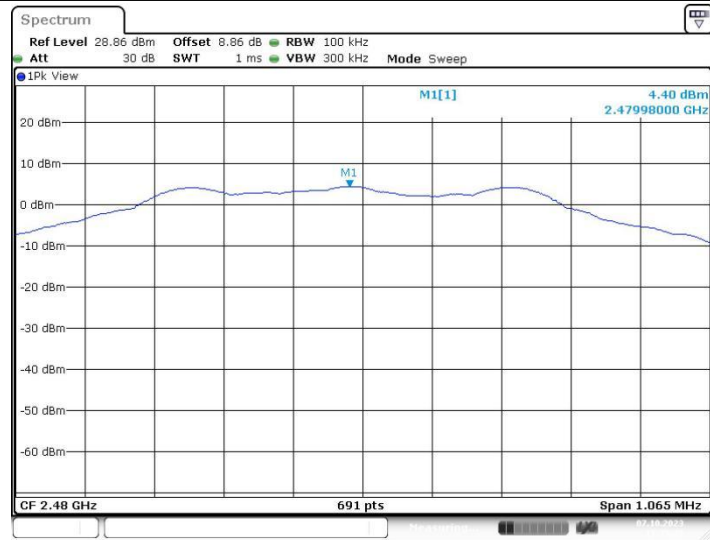
BLE_1M_Ant1_2402



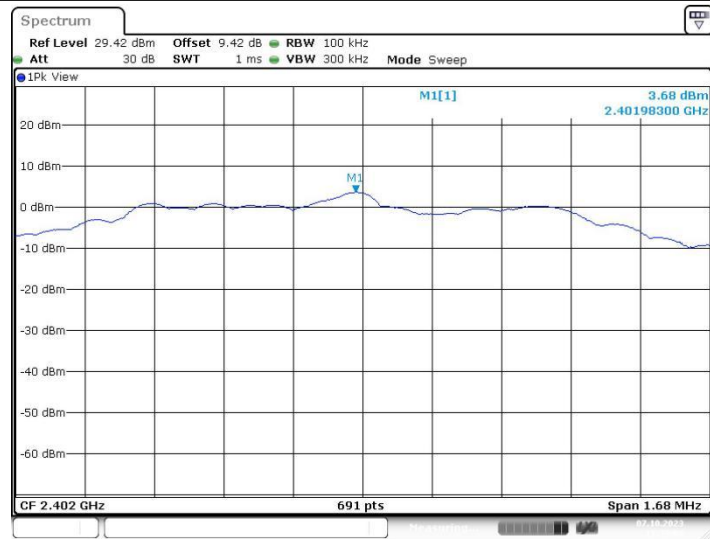
BLE_1M_Ant1_2440



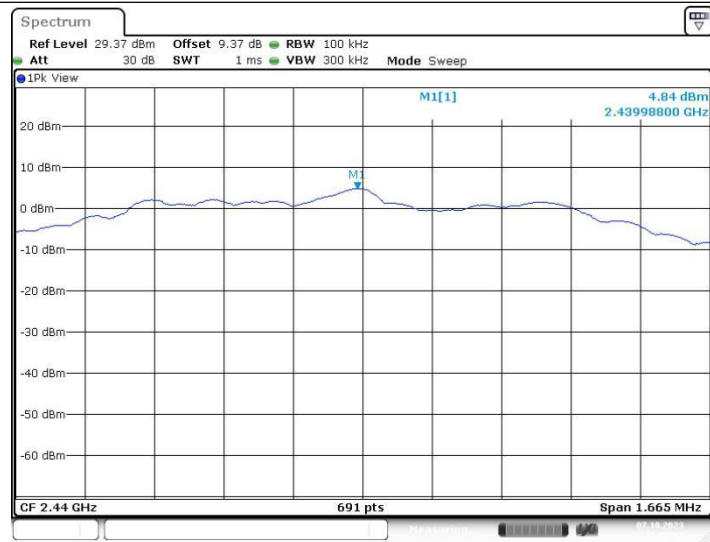
BLE_1M_Ant1_2480



BLE_2M_Ant1_2402

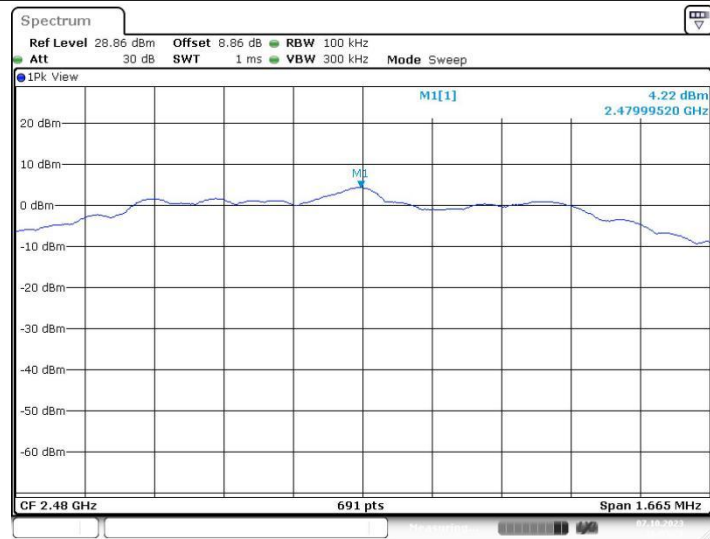


BLE_2M_Ant1_2440



Date: 7.OCT.2023 16:02:42

BLE_2M_Ant1_2480



Date: 7.OCT.2023 16:05:28



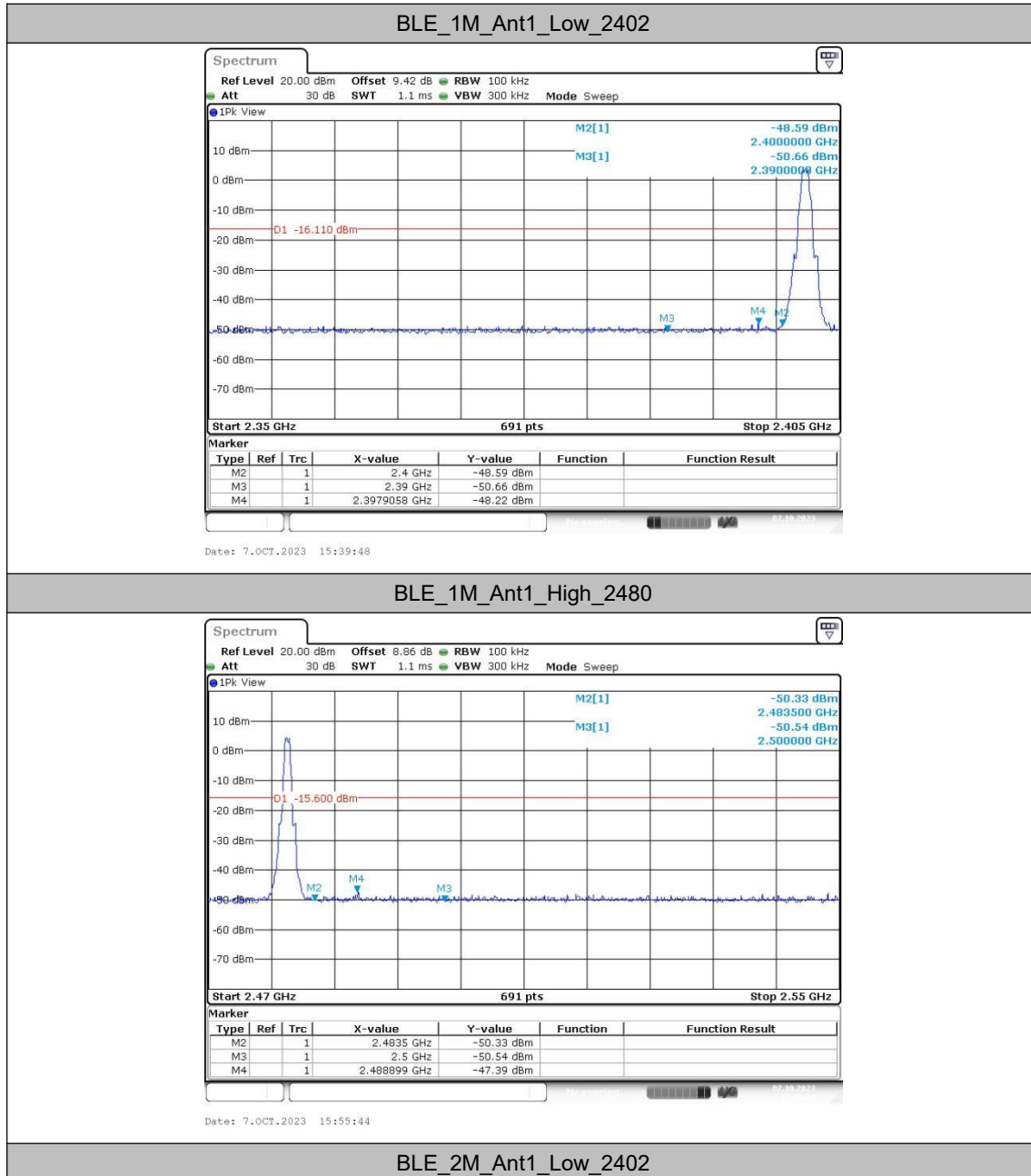
Appendix F: Band edge measurements

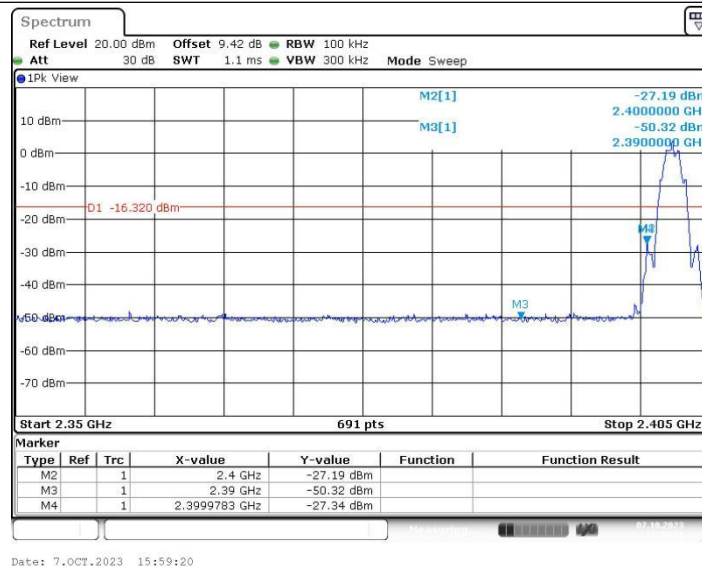
Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.89	-48.22	≤-16.11	PASS
		High	2480	4.40	-47.39	≤-15.6	PASS
BLE_2M	Ant1	Low	2402	3.68	-27.34	≤-16.32	PASS
		High	2480	4.22	-47.81	≤-15.78	PASS

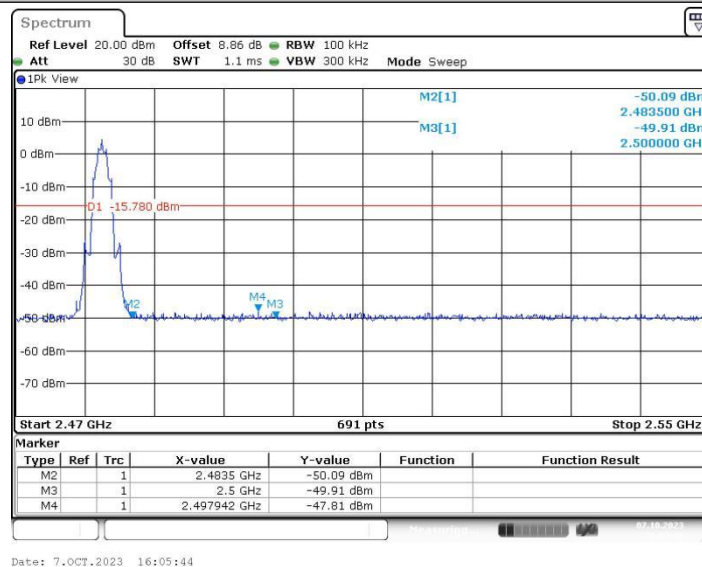


Test Graphs





BLE_2M_Ant1_High_2480





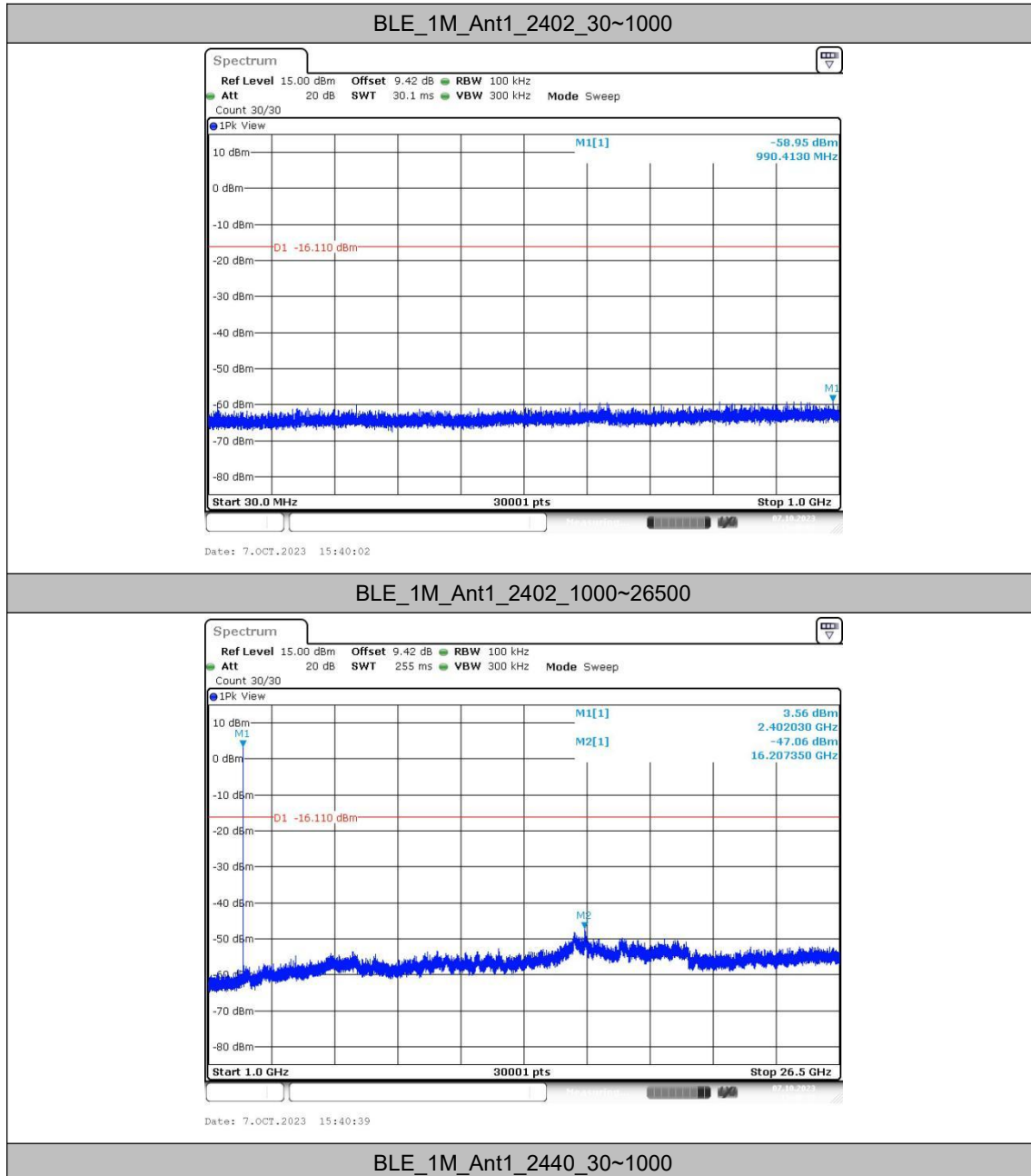
Appendix G: Conducted Spurious Emission

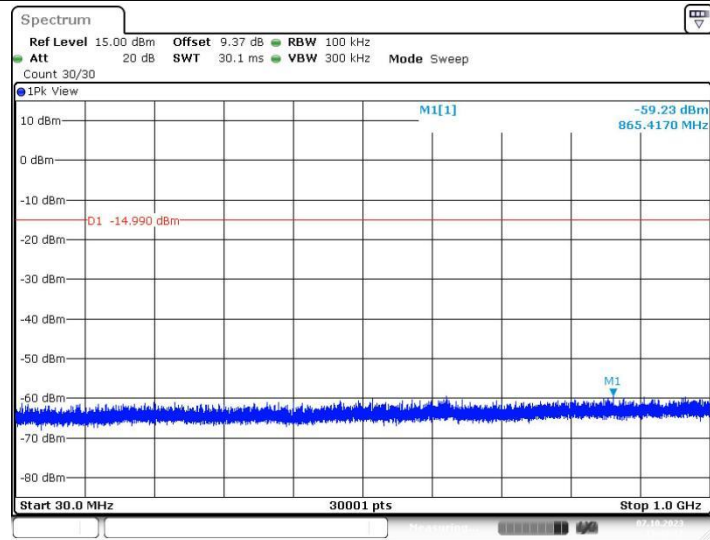
Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	30~1000	3.89	-58.95	≤-16.11	PASS
			1000~26500	3.89	-47.06	≤-16.11	PASS
		2440	30~1000	5.01	-59.23	≤-14.99	PASS
			1000~26500	5.01	-47.78	≤-14.99	PASS
		2480	30~1000	4.40	-59.97	≤-15.6	PASS
			1000~26500	4.40	-48.35	≤-15.6	PASS
BLE_2M	Ant1	2402	30~1000	3.68	-59.22	≤-16.32	PASS
			1000~26500	3.68	-46.93	≤-16.32	PASS
		2440	30~1000	4.84	-59.29	≤-15.16	PASS
			1000~26500	4.84	-47.59	≤-15.16	PASS
		2480	30~1000	4.22	-59.22	≤-15.78	PASS
			1000~26500	4.22	-47.48	≤-15.78	PASS



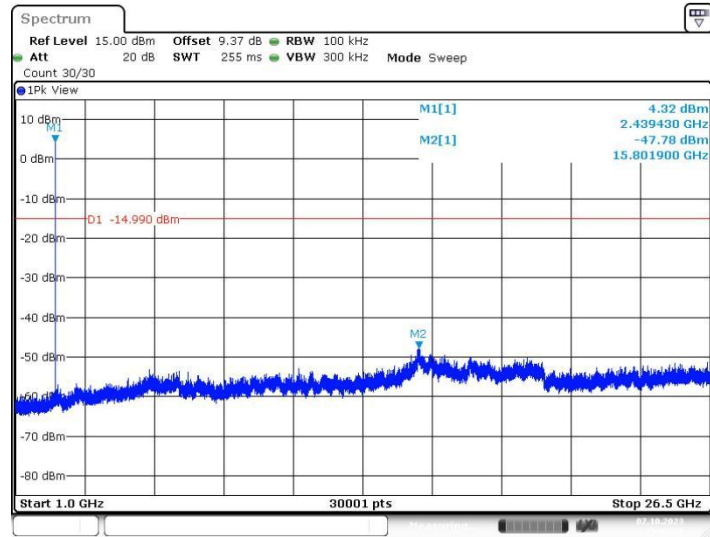
Test Graphs





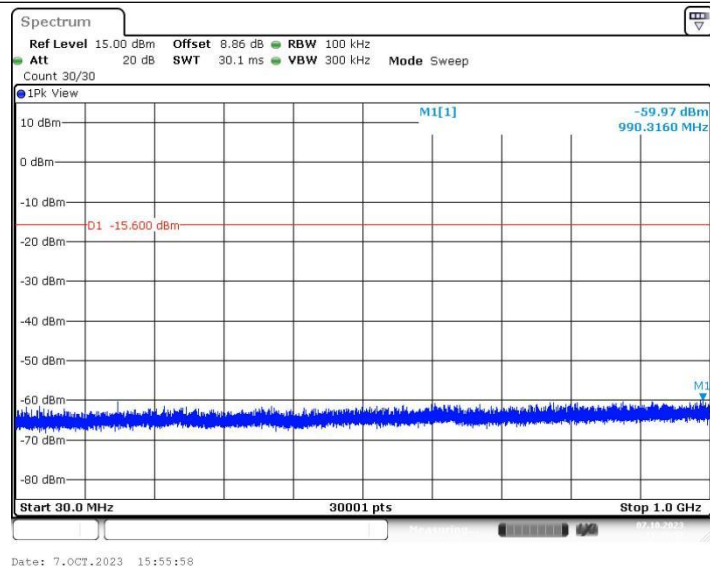
Date: 7.OCT.2023 15:43:12

BLE_1M_Ant1_2440_1000~26500

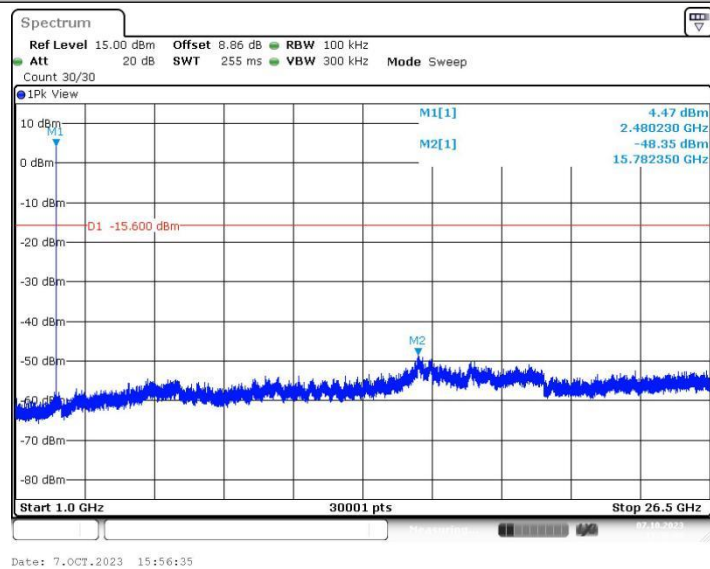


Date: 7.OCT.2023 15:43:49

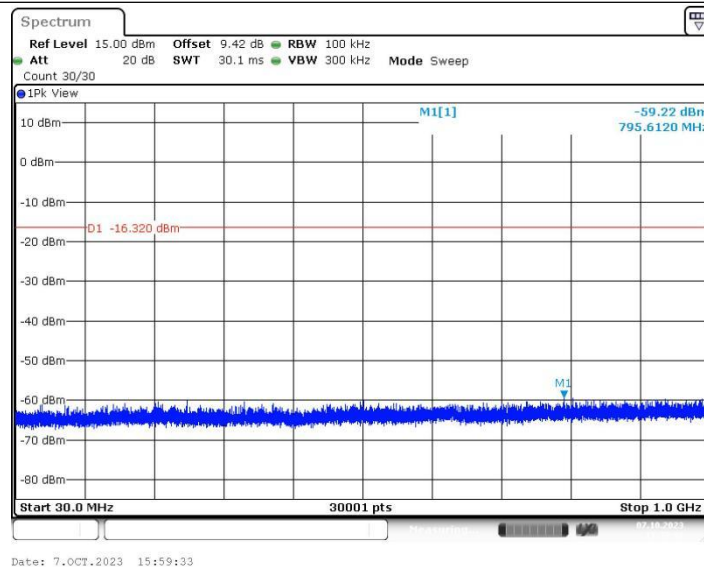
BLE_1M_Ant1_2480_30~1000



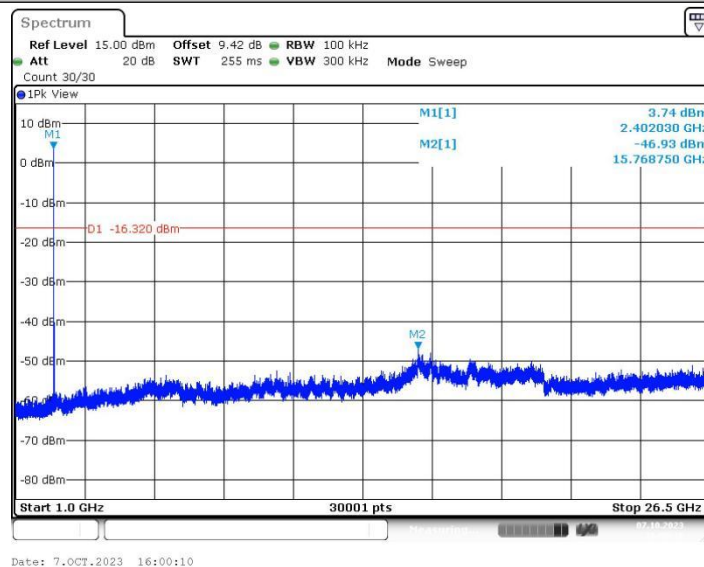
BLE_1M_Ant1_2480_1000~26500



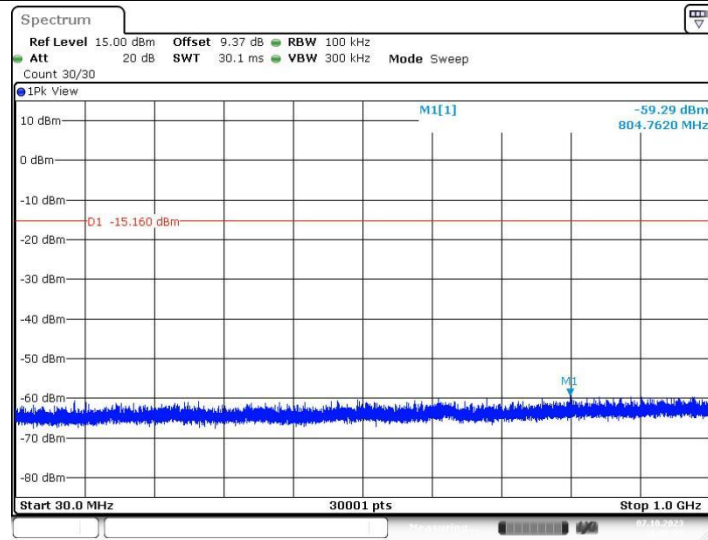
BLE_2M_Ant1_2402_30~1000



BLE_2M_Ant1_2402_1000~26500

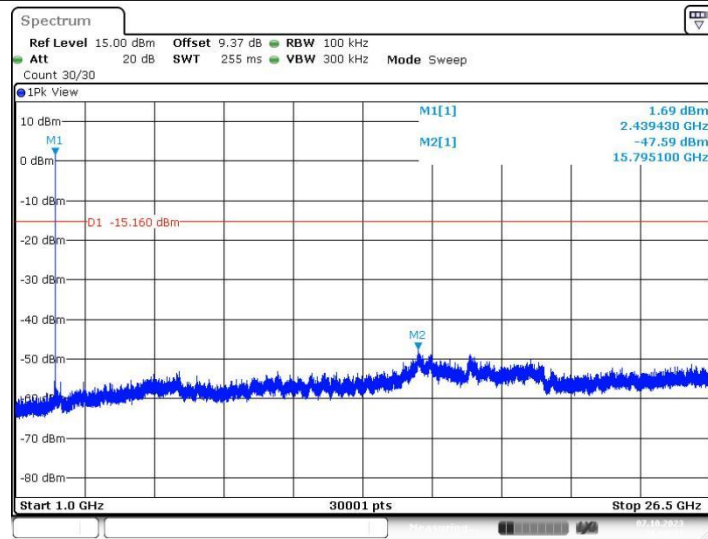


BLE_2M_Ant1_2440_30~1000



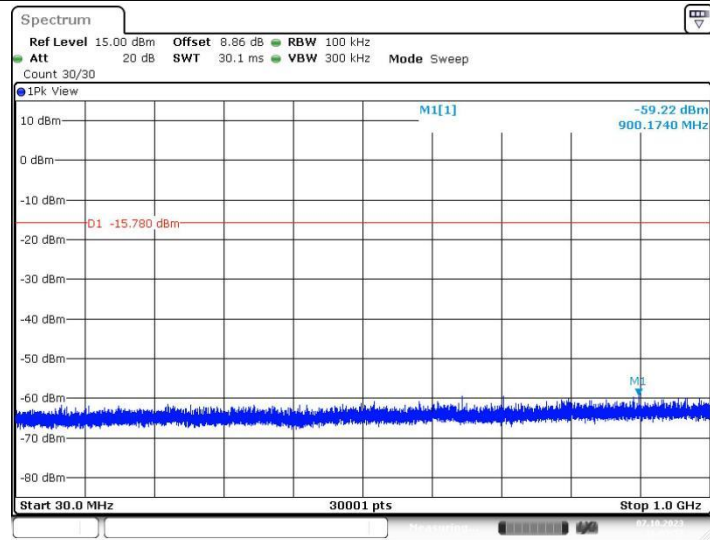
Date: 7.OCT.2023 16:02:55

BLE_2M_Ant1_2440_1000~26500

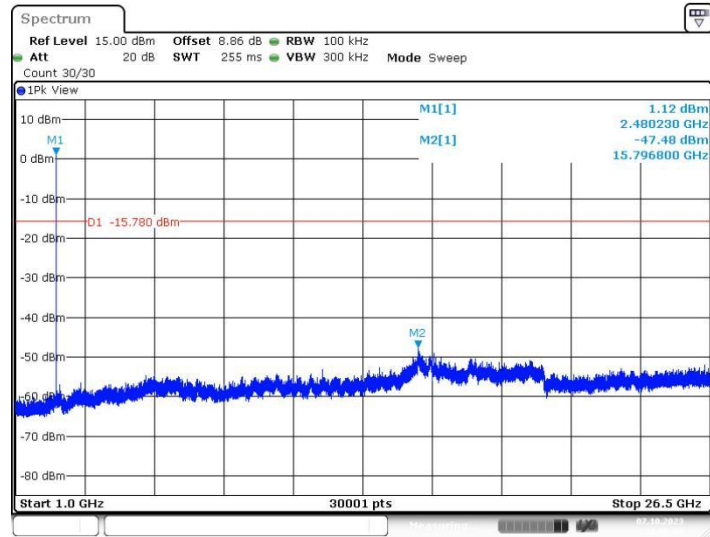


Date: 7.OCT.2023 16:03:32

BLE_2M_Ant1_2480_30~1000



BLE_2M_Ant1_2480_1000~26500





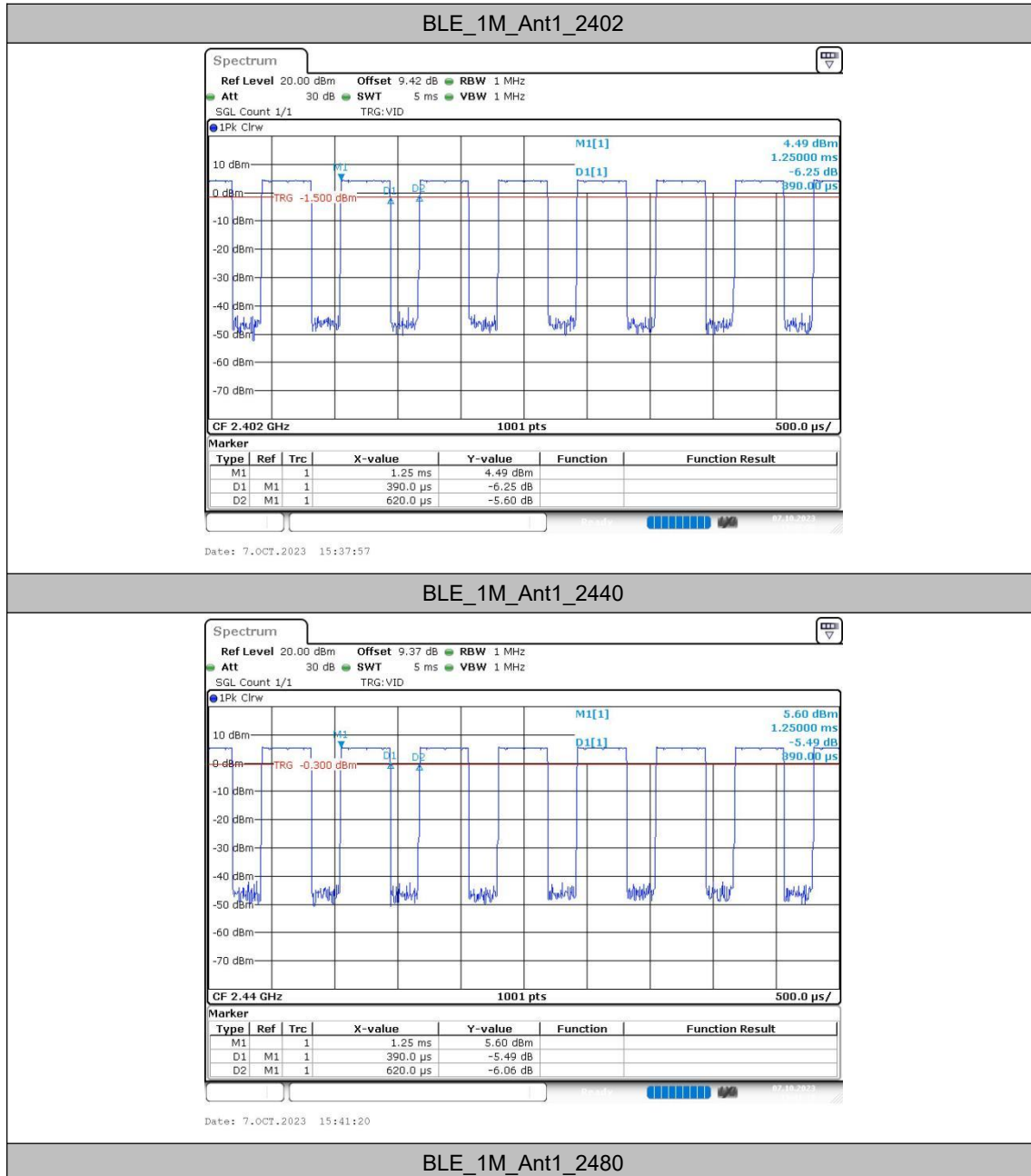
Appendix H: Duty Cycle

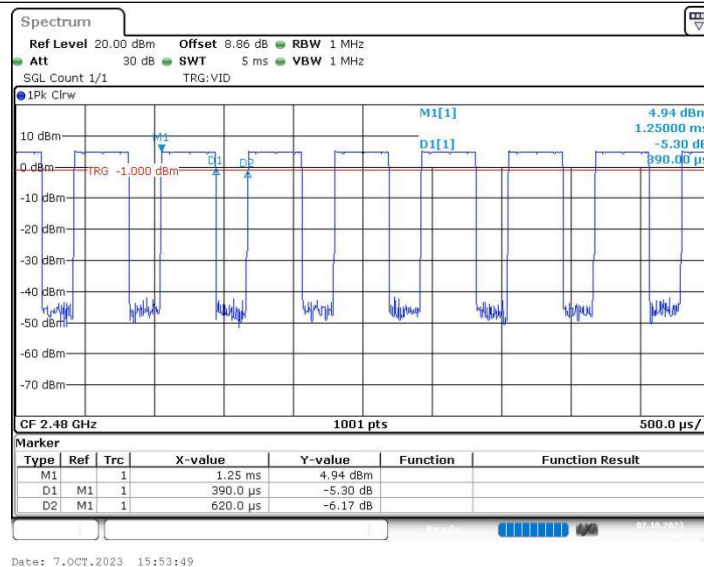
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.62	62.90	2.01
		2440	0.39	0.62	62.90	2.01
		2480	0.39	0.62	62.90	2.01
BLE_2M	Ant1	2402	0.21	0.62	33.87	4.70
		2440	0.21	0.62	33.87	4.70
		2480	0.21	0.62	33.87	4.70

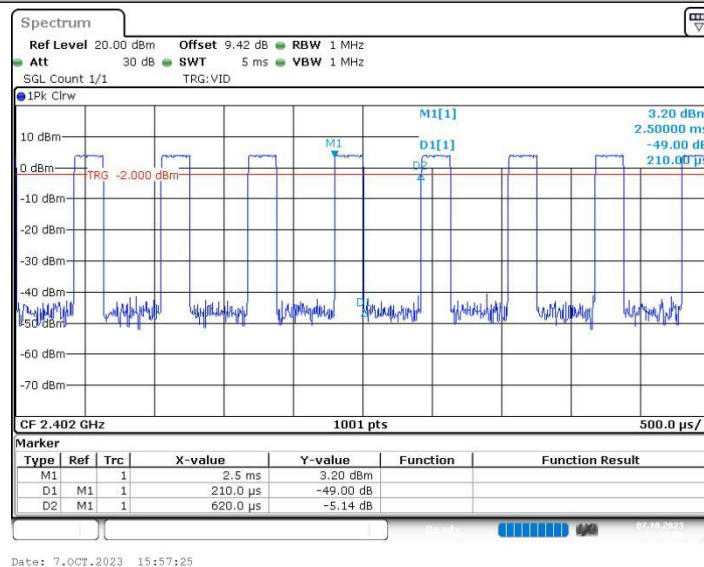


Test Graphs





BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480

