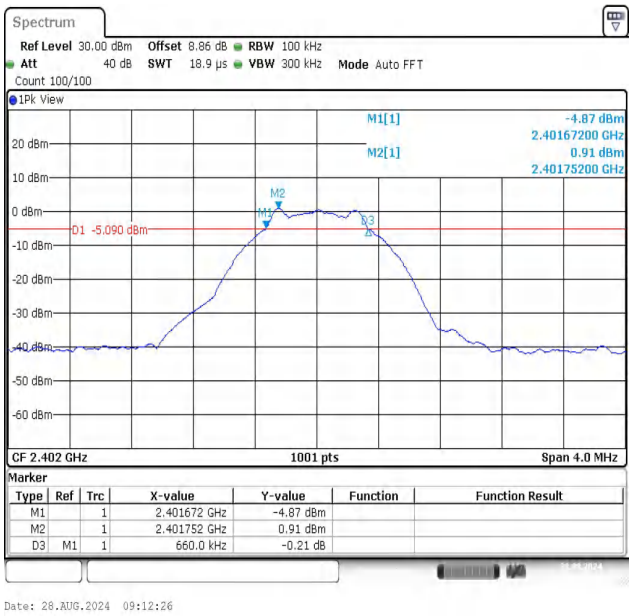
Appendix A: DTS Bandwidth

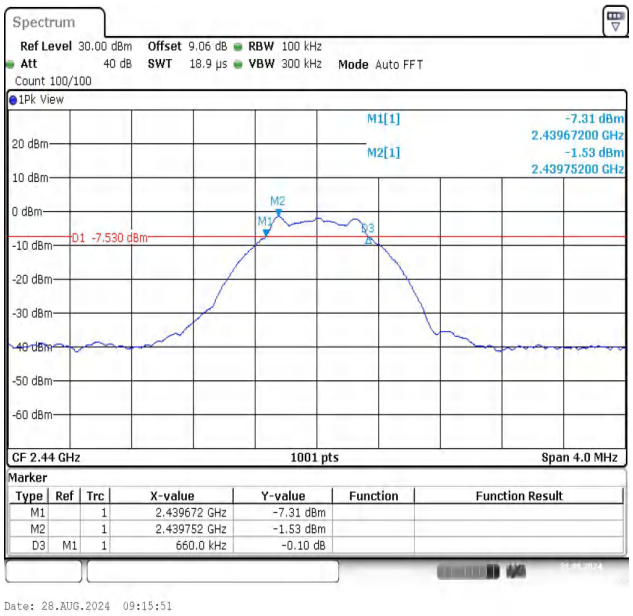
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.66	2401.67	2402.33	0.5	PASS
BLE_1M	Ant1	2440	0.66	2439.67	2440.33	0.5	PASS
BLE_1M	Ant1	2480	0.66	2479.67	2480.33	0.5	PASS
BLE_2M	Ant1	2402	1.16	2401.42	2402.57	0.5	PASS
BLE_2M	Ant1	2440	1.16	2439.42	2440.57	0.5	PASS
BLE_2M	Ant1	2480	1.16	2479.42	2480.57	0.5	PASS

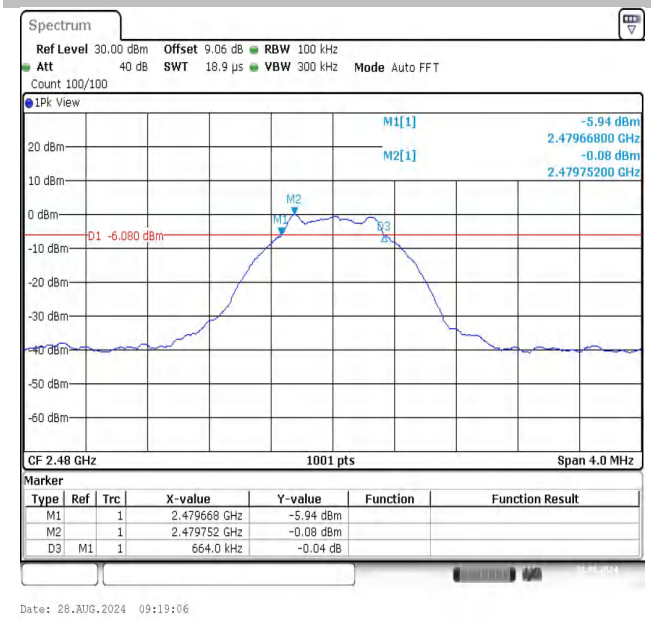
Test Graphs



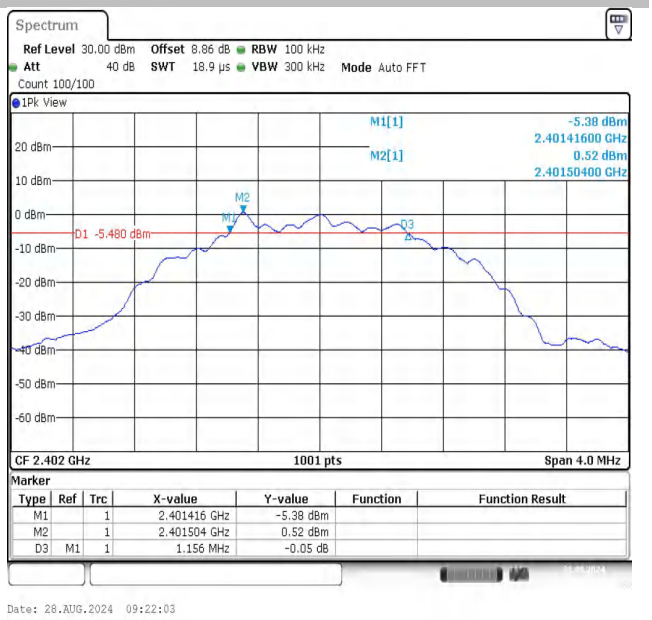
BLE_1M-Ant1-2402-PASS



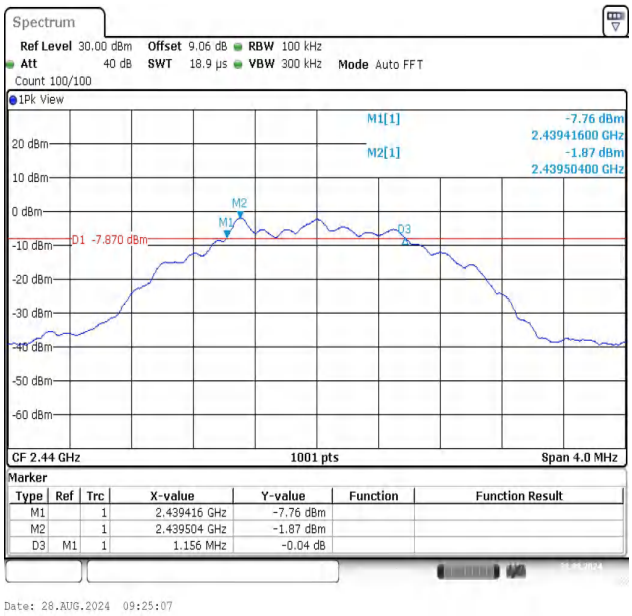
BLE_1M-Ant1-2440-PASS



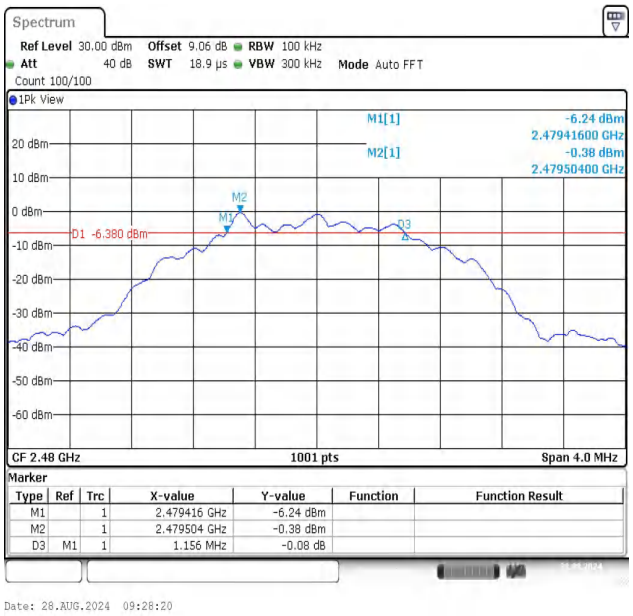
BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



BLE_2M-Ant1-2480-PASS

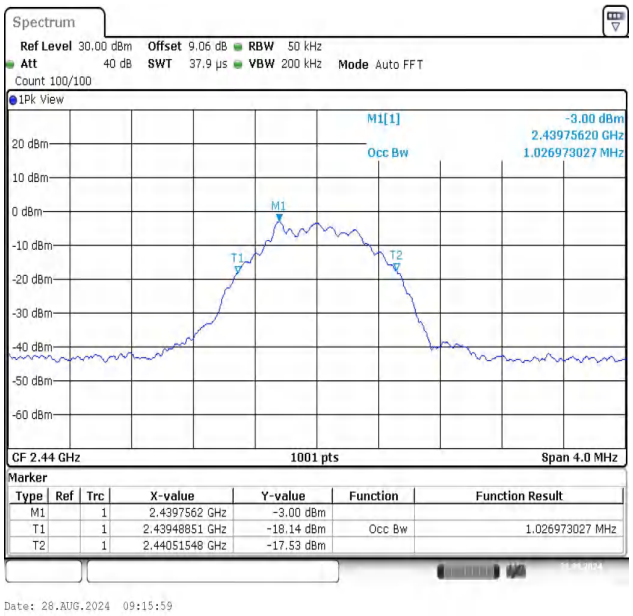
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.011	2401.5005	2402.5115	---	---
BLE_1M	Ant1	2440	1.027	2439.4885	2440.5155	---	---
BLE_1M	Ant1	2480	1.019	2479.4925	2480.5115	---	---
BLE_2M	Ant1	2402	2.026	2401.0050	2403.0310	---	---
BLE_2M	Ant1	2440	2.03	2439.0010	2441.0310	---	---
BLE_2M	Ant1	2480	2.026	2479.0090	2481.0350	---	---

Test Graphs

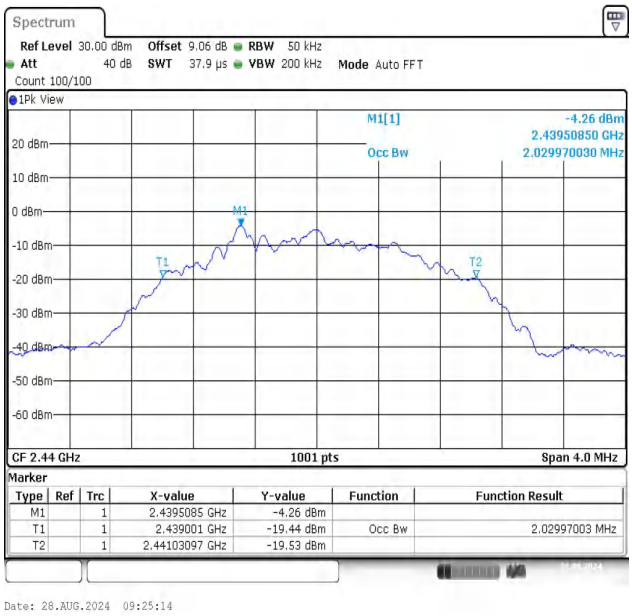
BLE_1M-Ant1-2402



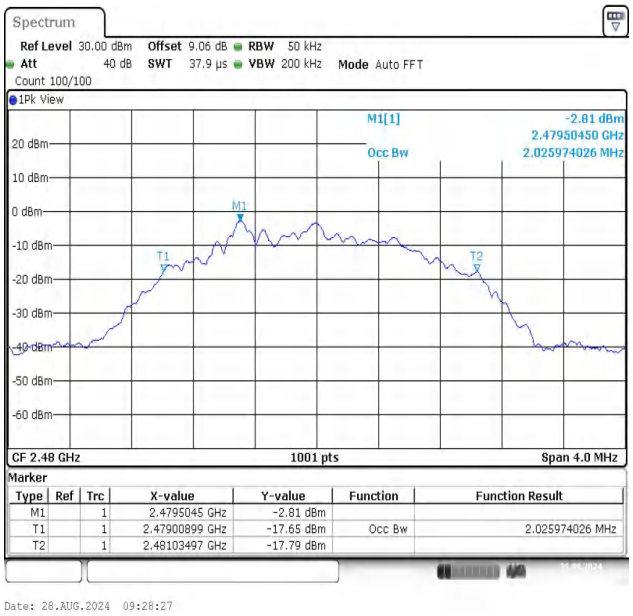
BLE_1M-Ant1-2440

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

Test Mode	Antenna	Frequency [MHz]	Peak Power [dBm]	Peak Powe Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
BLE_1M	Ant1	2402	1.39	≤30	0.00	1.39	≤36	PASS
BLE_1M	Ant1	2440	-0.89	≤30	0.00	-0.89	≤36	PASS
BLE_1M	Ant1	2480	0.50	≤30	0.00	0.50	≤36	PASS
BLE_2M	Ant1	2402	1.09	≤30	0.00	1.09	≤36	PASS
BLE_2M	Ant1	2440	-1.23	≤30	0.00	-1.23	≤36	PASS
BLE_2M	Ant1	2480	0.19	≤30	0.00	0.19	≤36	PASS

Test Result Average

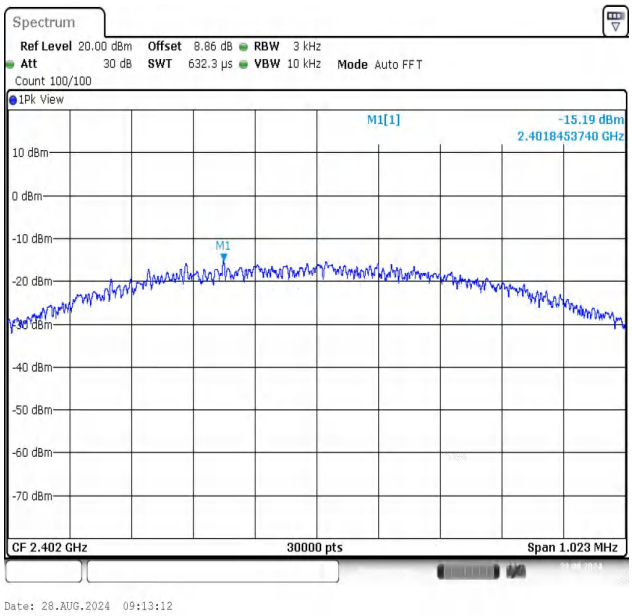
Test Mode	Antenna	Frequency [MHz]	AV Power [dBm]	AV Power Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
BLE_1M	Ant1	2402	-0.25	≤30.00	0.00	-0.25	≤36.00	PASS
BLE_1M	Ant1	2440	-2.09	≤30.00	0.00	-2.09	≤36.00	PASS
BLE_1M	Ant1	2480	-0.72	≤30.00	0.00	-0.72	≤36.00	PASS
BLE_2M	Ant1	2402	-0.29	≤30.00	0.00	-0.29	≤36.00	PASS
BLE_2M	Ant1	2440	-2.10	≤30.00	0.00	-2.10	≤36.00	PASS
BLE_2M	Ant1	2480	-0.75	≤30.00	0.00	-0.75	≤36.00	PASS

Appendix D: Maximum power spectral density

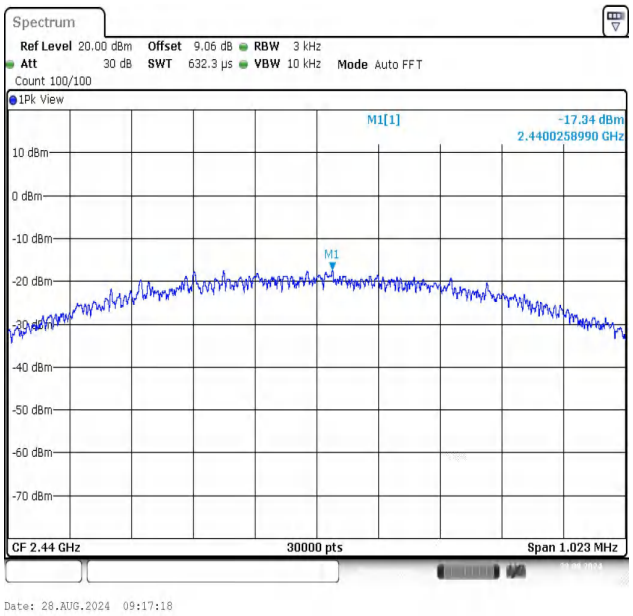
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.19	≤8.00	PASS
BLE_1M	Ant1	2440	-17.34	≤8.00	PASS
BLE_1M	Ant1	2480	-15.85	≤8.00	PASS
BLE_2M	Ant1	2402	-18.51	≤8.00	PASS
BLE_2M	Ant1	2440	-20.80	≤8.00	PASS
BLE_2M	Ant1	2480	-19.51	≤8.00	PASS

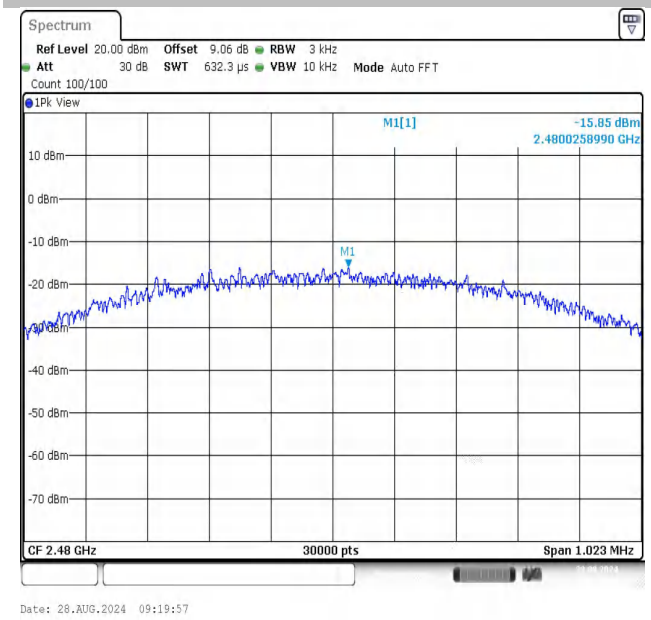
Test Graphs



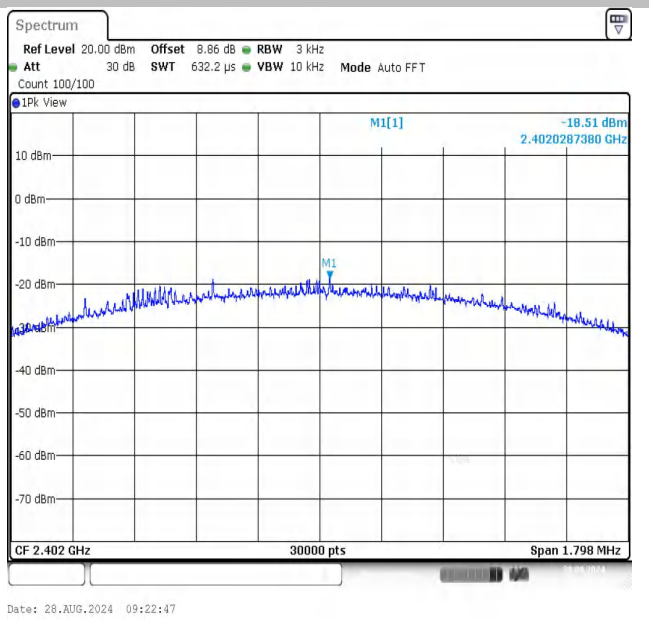
BLE_1M-Ant1-2402-PASS



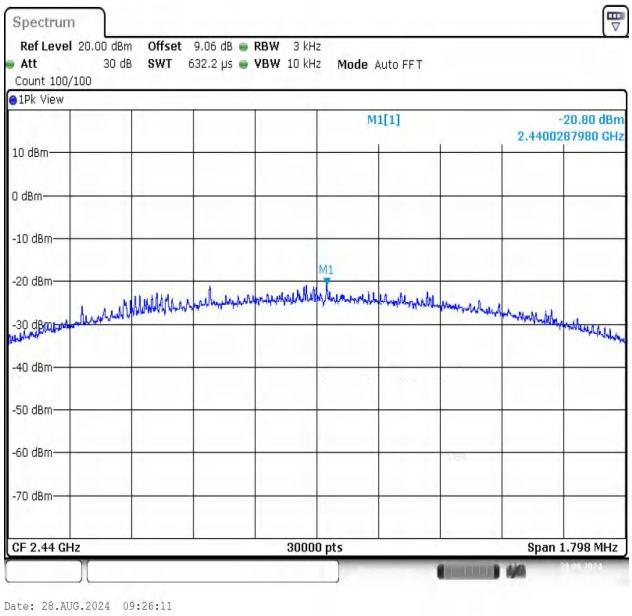
BLE_1M-Ant1-2440-PASS



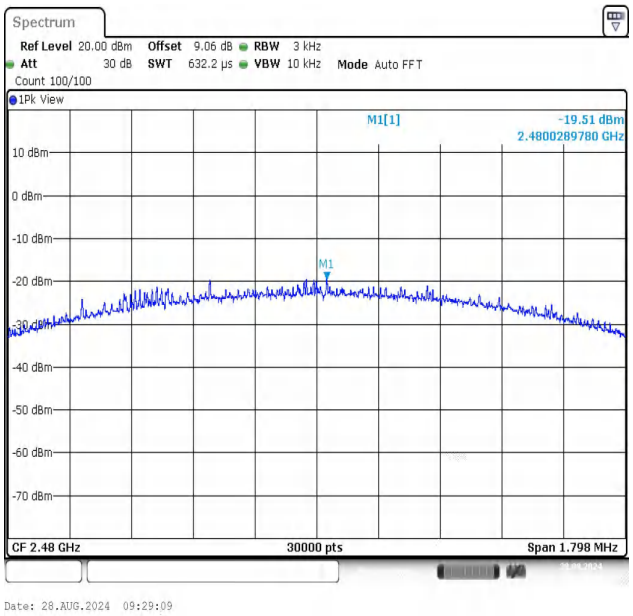
BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



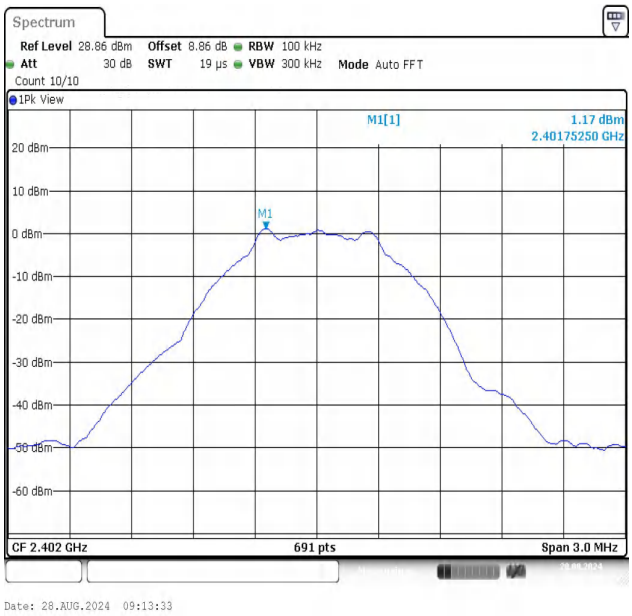
BLE_2M-Ant1-2480-PASS

Appendix E: Conducted Spurious Emission

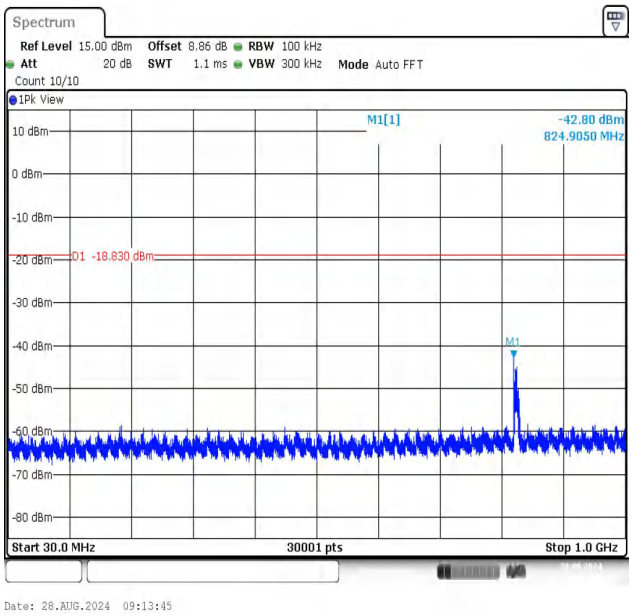
Test Result

TestMode	Antenna	Frequency[MHz]	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	1.17	1.17	---	PASS
BLE_1M	Ant1	2402	30~1000	1.17	-42.8	≤-18.83	PASS
BLE_1M	Ant1	2402	1000~26500	1.17	-47.02	≤-18.83	PASS
BLE_1M	Ant1	2440	0~Reference	-1.31	-1.31	---	PASS
BLE_1M	Ant1	2440	30~1000	-1.31	-40.1	≤-21.31	PASS
BLE_1M	Ant1	2440	1000~26500	-1.31	-46.96	≤-21.31	PASS
BLE_1M	Ant1	2480	0~Reference	0.09	0.09	---	PASS
BLE_1M	Ant1	2480	30~1000	0.09	-46.74	≤-19.91	PASS
BLE_1M	Ant1	2480	1000~26500	0.09	-46.74	≤-19.91	PASS
BLE_2M	Ant1	2402	0~Reference	0.78	0.78	---	PASS
BLE_2M	Ant1	2402	30~1000	0.78	-47.15	≤-19.22	PASS
BLE_2M	Ant1	2402	1000~26500	0.78	-47.42	≤-19.22	PASS
BLE_2M	Ant1	2440	0~Reference	-1.62	-1.62	---	PASS
BLE_2M	Ant1	2440	30~1000	-1.62	-38.75	≤-21.62	PASS
BLE_2M	Ant1	2440	1000~26500	-1.62	-47.03	≤-21.62	PASS
BLE_2M	Ant1	2480	0~Reference	-0.18	-0.18	---	PASS
BLE_2M	Ant1	2480	30~1000	-0.18	-47.85	≤-20.18	PASS
BLE_2M	Ant1	2480	1000~26500	-0.18	-47.53	≤-20.18	PASS

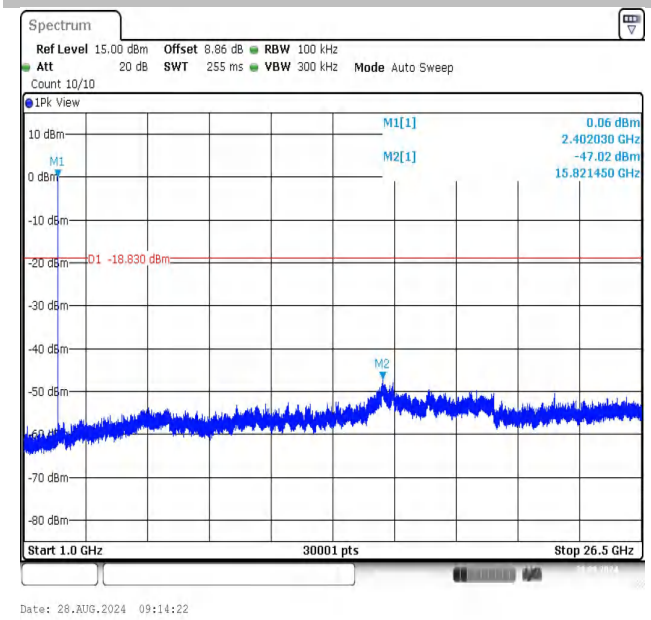
Test Graphs



BLE_1M-Ant1-2402-0~Reference-PASS

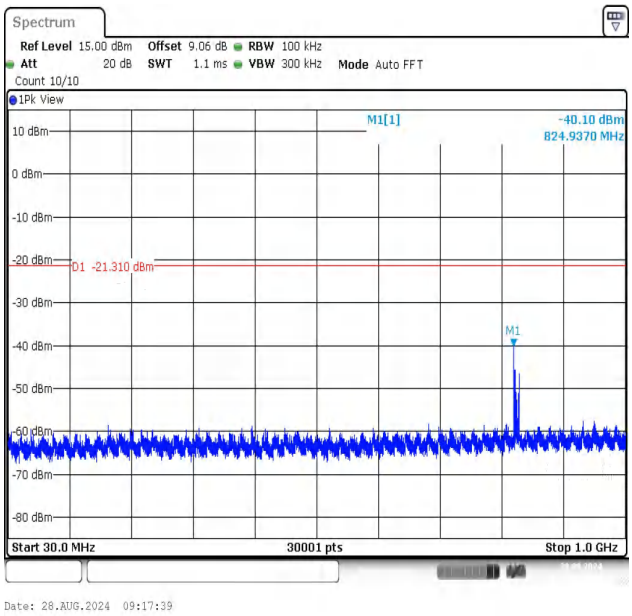


BLE_1M-Ant1-2402-30~1000-PASS

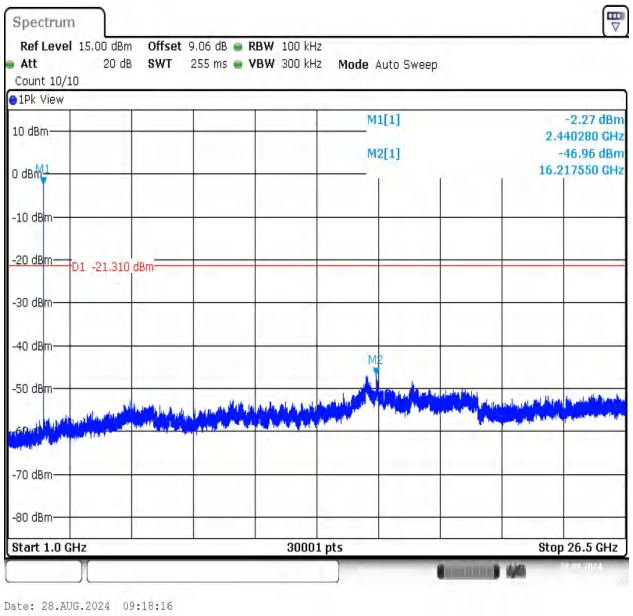


BLE_1M-Ant1-2402-1000~26500-PASS

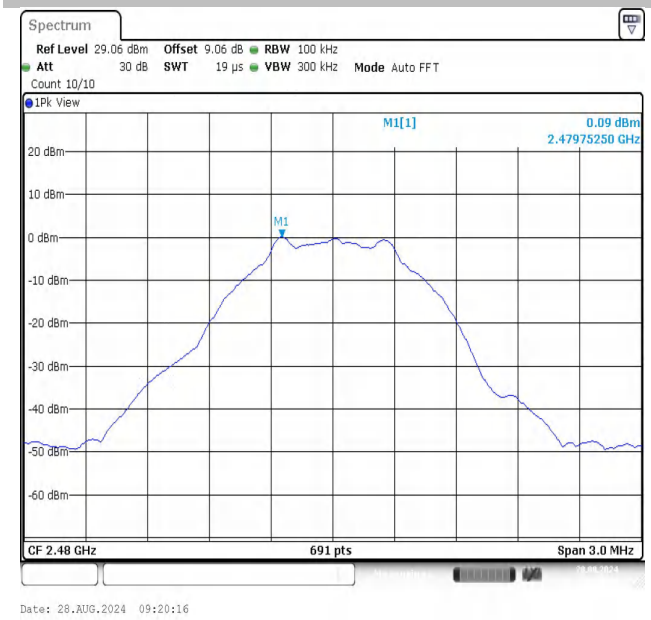
BLE_1M-Ant1-2440-0~Reference-PASS



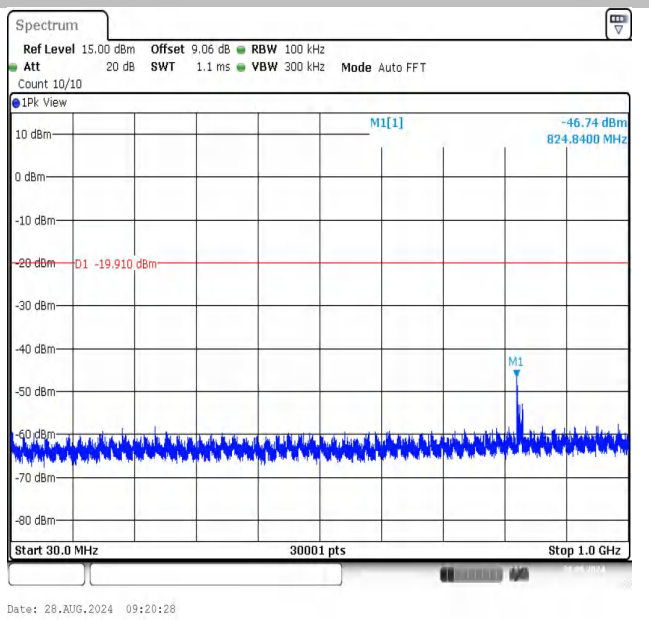
BLE_1M-Ant1-2440-30~1000-PASS



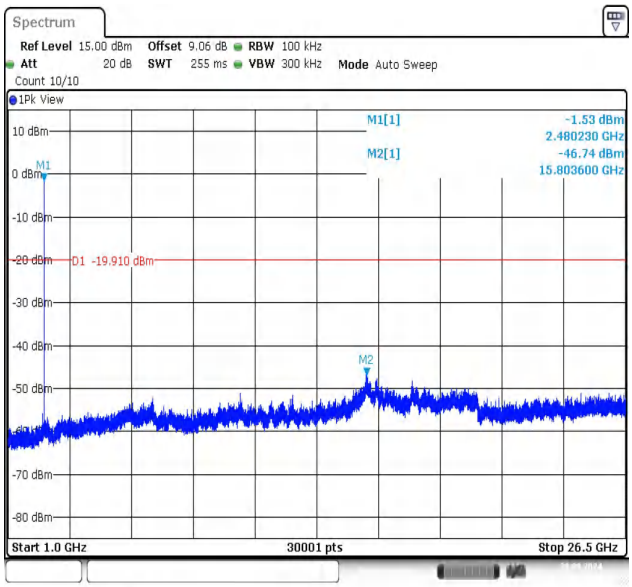
BLE_1M-Ant1-2440-1000~26500-PASS



BLE_1M-Ant1-2480-0~Reference-PASS

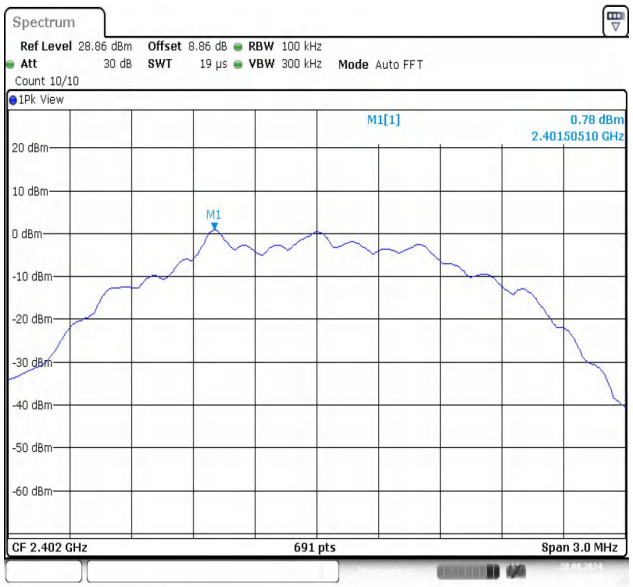


BLE_1M-Ant1-2480-30~1000-PASS



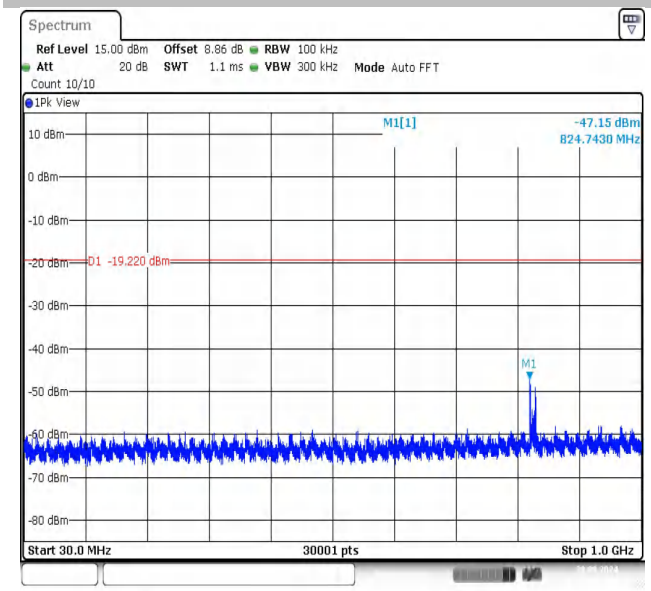
Date: 28.AUG.2024 09:21:05

BLE_1M-Ant1-2480-1000~26500-PASS



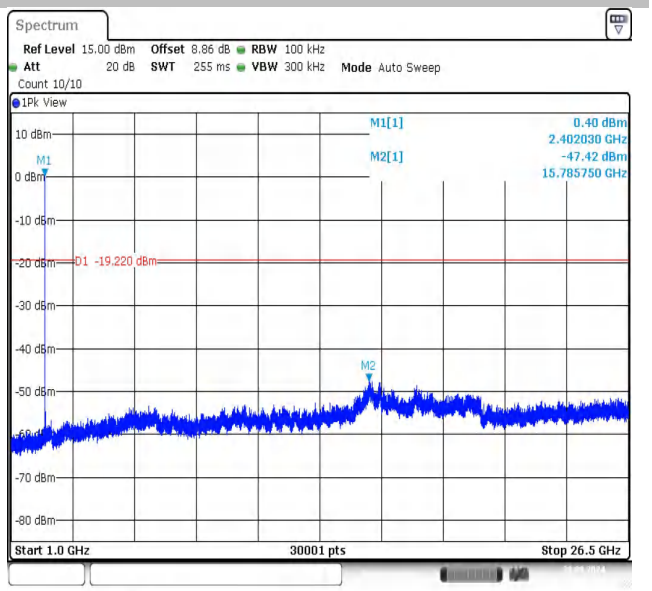
Date: 28.AUG.2024 09:23:06

BLE_2M-Ant1-2402-0~Reference-PASS



Date: 28.AUG.2024 09:23:18

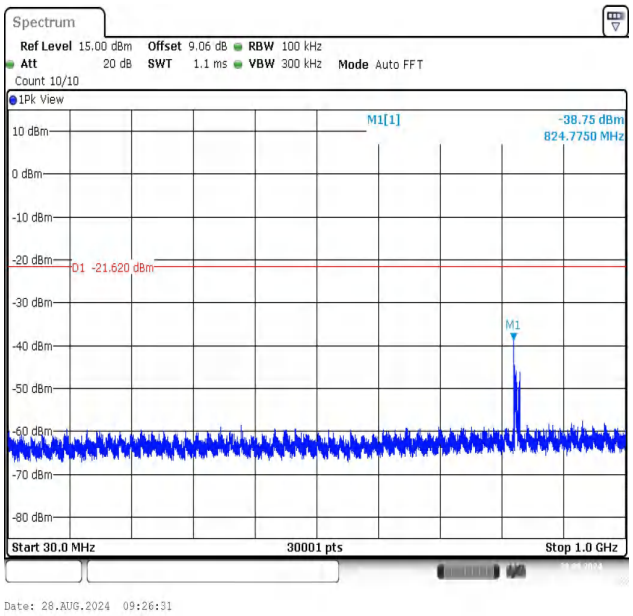
BLE_2M-Ant1-2402-30~1000-PASS



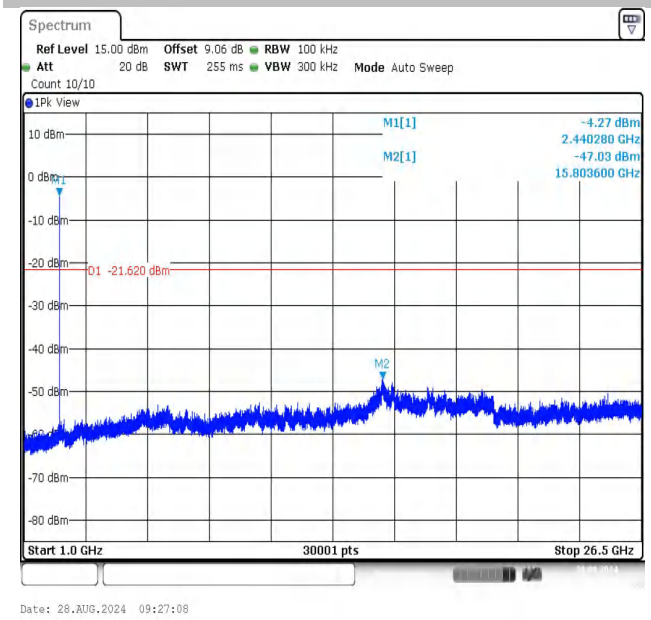
Date: 28.AUG.2024 09:23:55

BLE_2M-Ant1-2402-1000~26500-PASS

BLE_2M-Ant1-2440-0~Reference-PASS

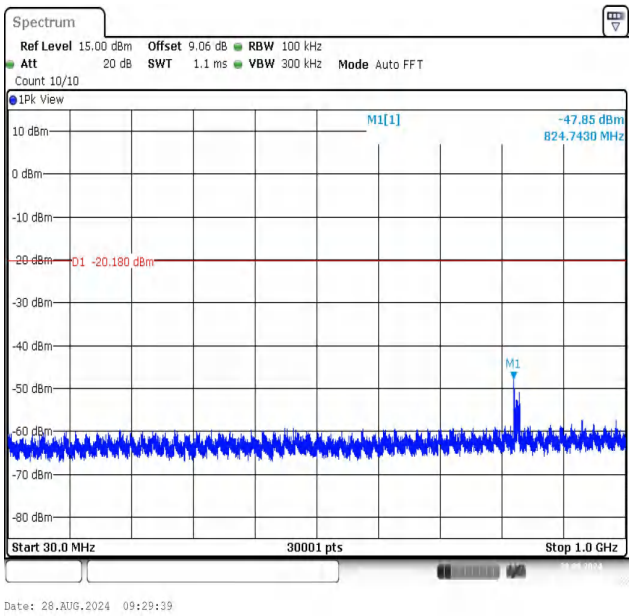


BLE_2M-Ant1-2440-30~1000-PASS

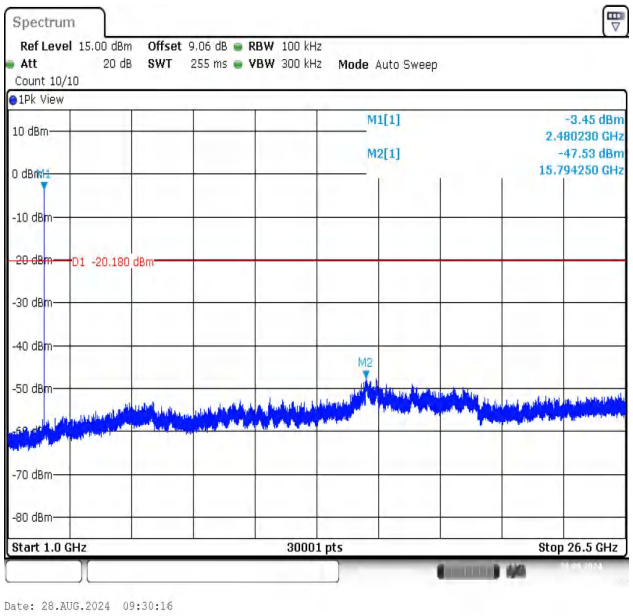


BLE_2M-Ant1-2440-1000~26500-PASS

BLE_2M-Ant1-2480-0~Reference-PASS



BLE_2M-Ant1-2480-30~1000-PASS



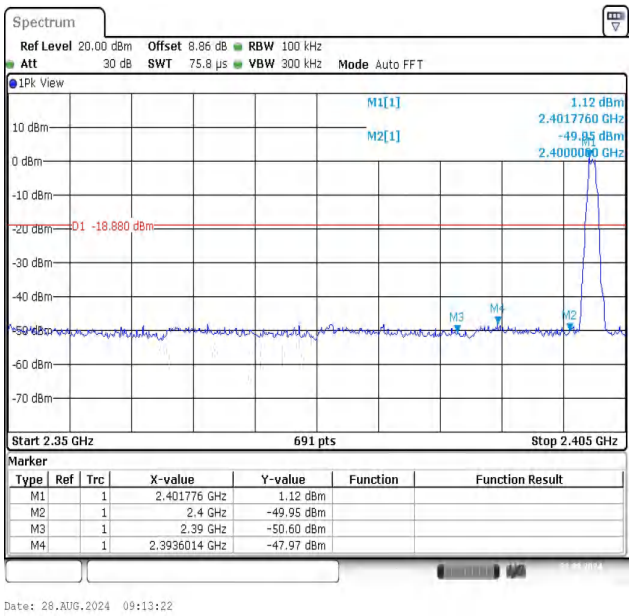
BLE_2M-Ant1-2480-1000~26500-PASS

Appendix F: Band edge measurements

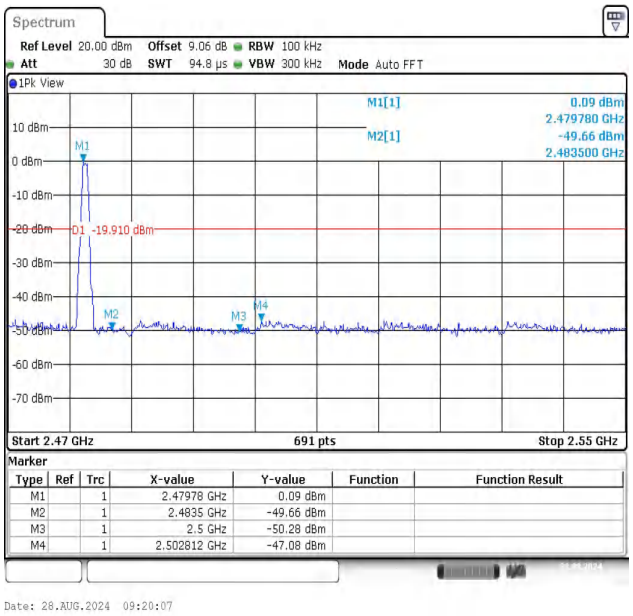
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.12	-47.97	≤-18.88	PASS
BLE_1M	Ant1	High	2480	0.09	-47.08	≤-19.91	PASS
BLE_2M	Ant1	Low	2402	0.61	-45.24	≤-19.39	PASS
BLE_2M	Ant1	High	2480	-0.19	-46.47	≤-20.19	PASS

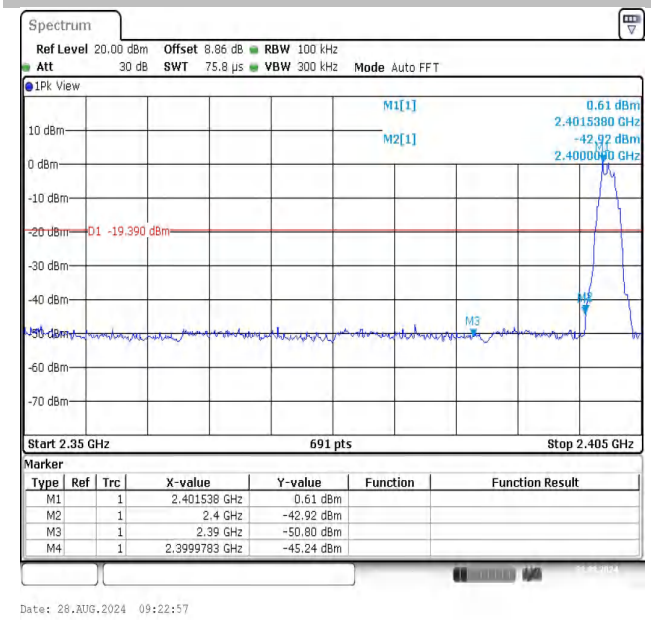
Test Graphs



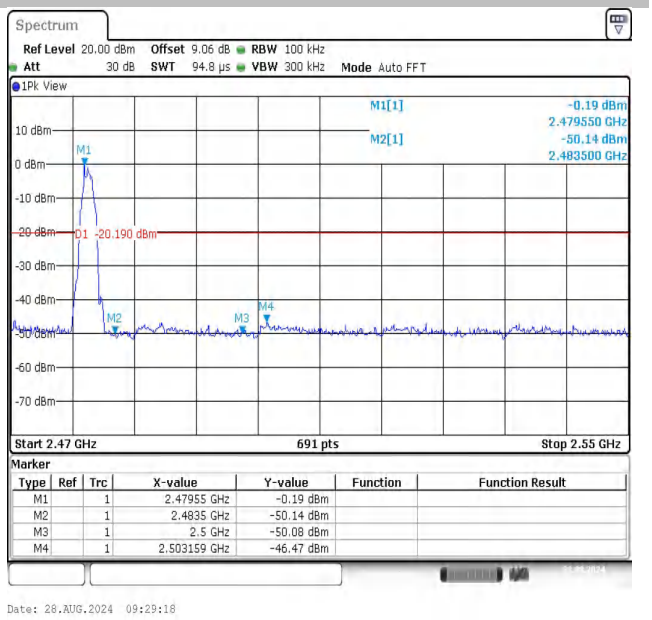
BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



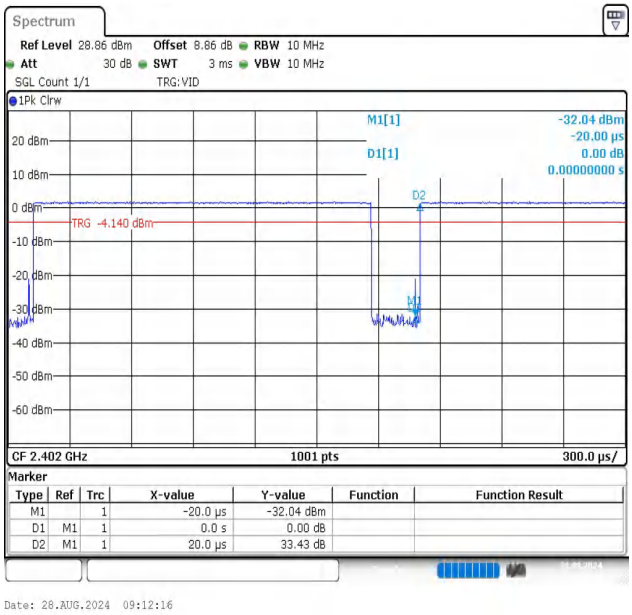
BLE_2M-Ant1-2480-PASS

Appendix G: Duty Cycle

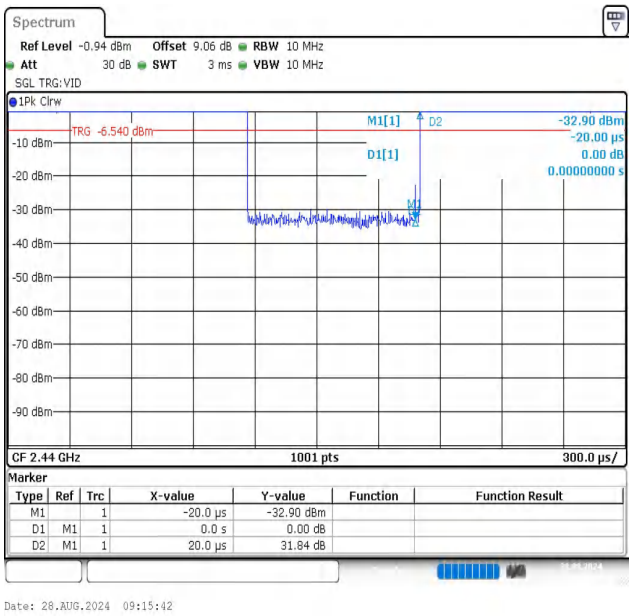
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
BLE_1M	Ant1	2402	0.00	0.02	100
BLE_1M	Ant1	2440	0.00	0.02	100
BLE_1M	Ant1	2480	0.00	0.02	100
BLE_2M	Ant1	2402	0.00	0.02	100
BLE_2M	Ant1	2440	0.00	0.02	100
BLE_2M	Ant1	2480	0.00	0.02	100

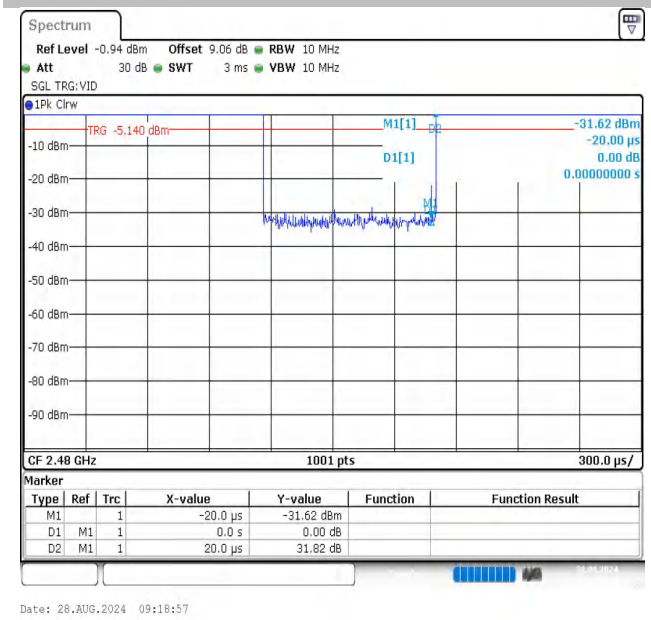
Test Graphs



NTNV-BLE_1M-Ant1-2402



NTNV-BLE_1M-Ant1-2440



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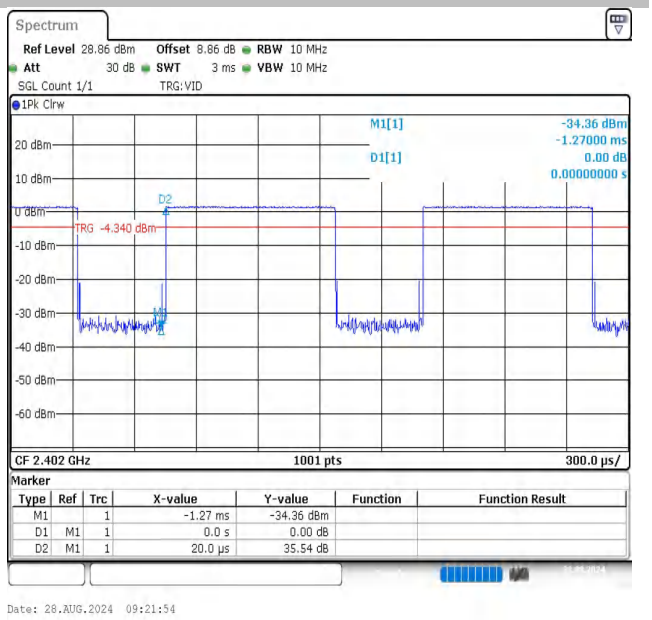

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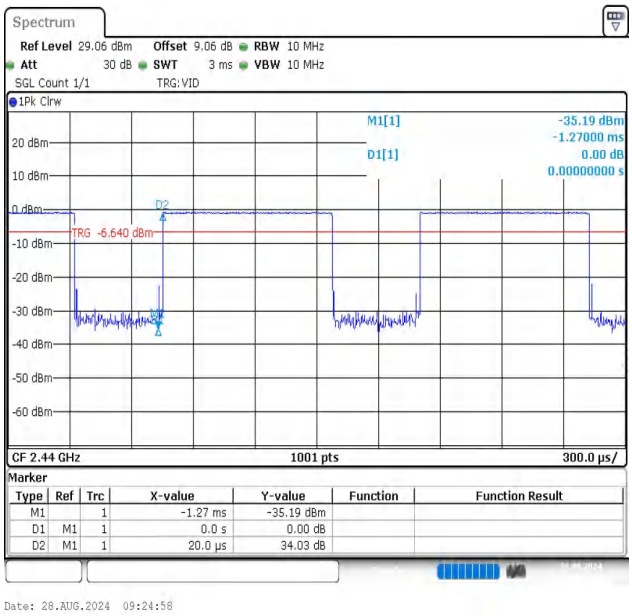

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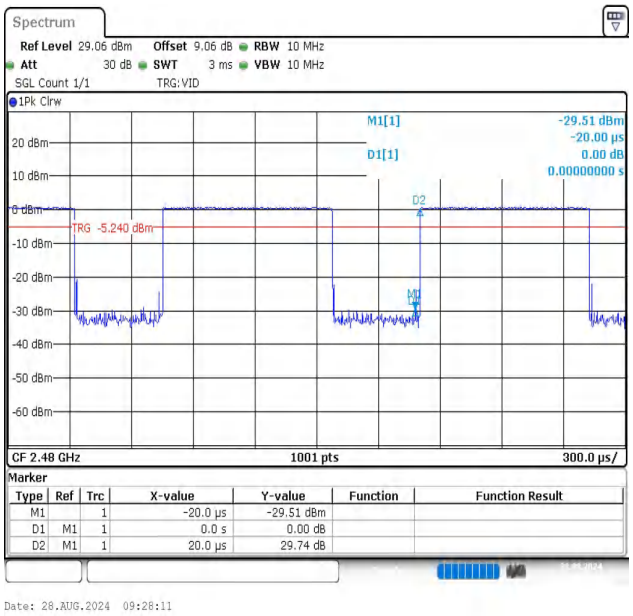

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