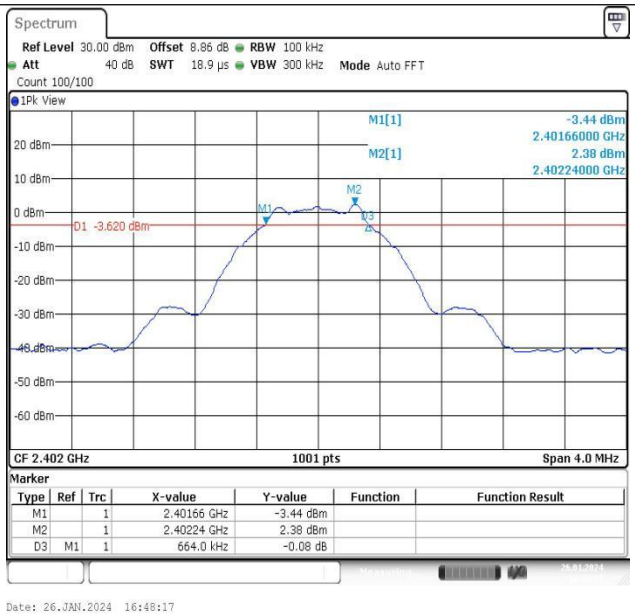
Appendix A: DTS Bandwidth

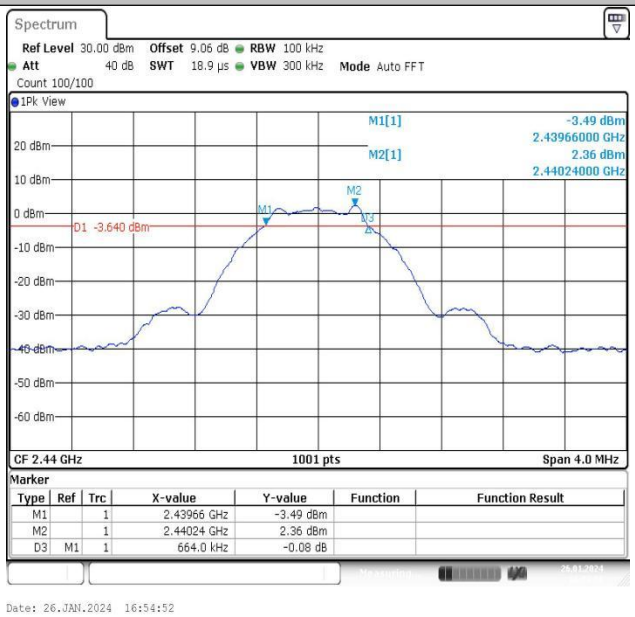
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.66	2401.66	2402.32	0.5	PASS
BLE_1M	Ant1	2440	0.66	2439.66	2440.32	0.5	PASS
BLE_1M	Ant1	2480	0.66	2479.66	2480.32	0.5	PASS
BLE_2M	Ant1	2402	1.16	2401.41	2402.57	0.5	PASS
BLE_2M	Ant1	2440	1.16	2439.41	2440.57	0.5	PASS
BLE_2M	Ant1	2480	1.15	2479.42	2480.57	0.5	PASS

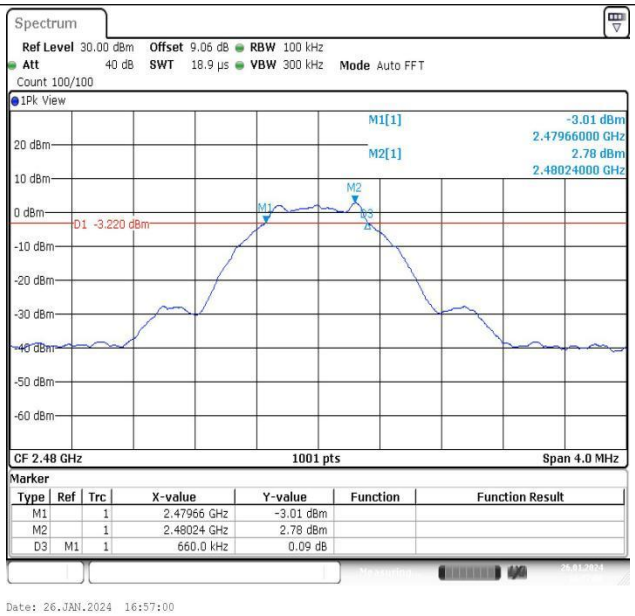
Test Graphs



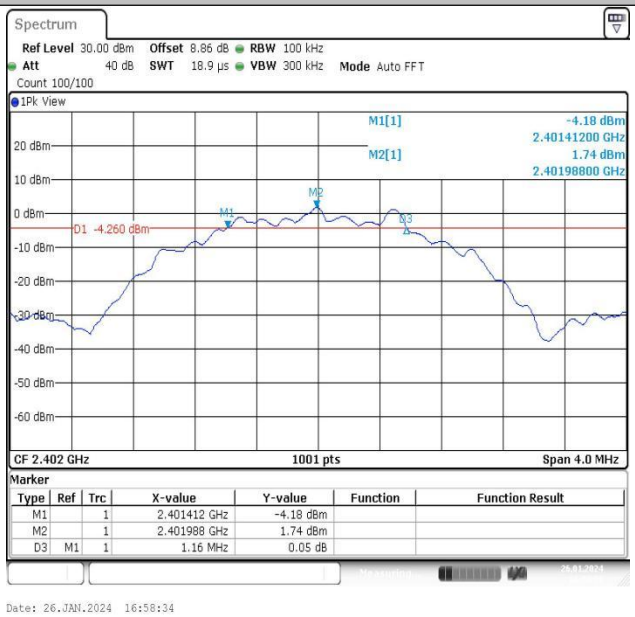
BLE_1M-Ant1-2402



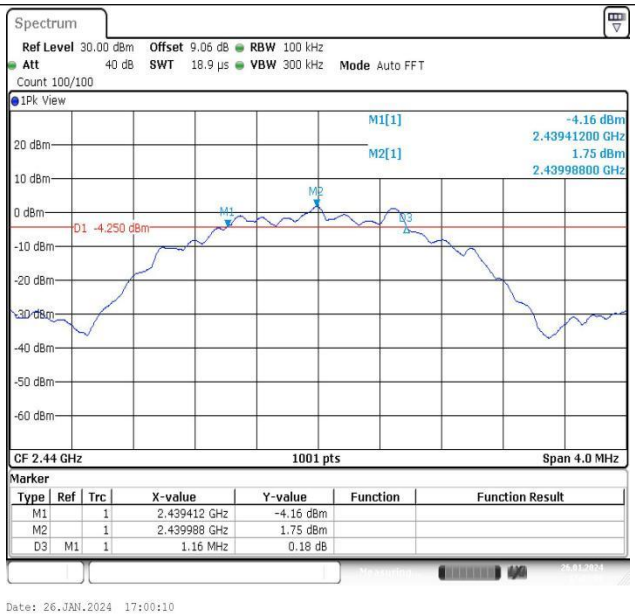
BLE_1M-Ant1-2440



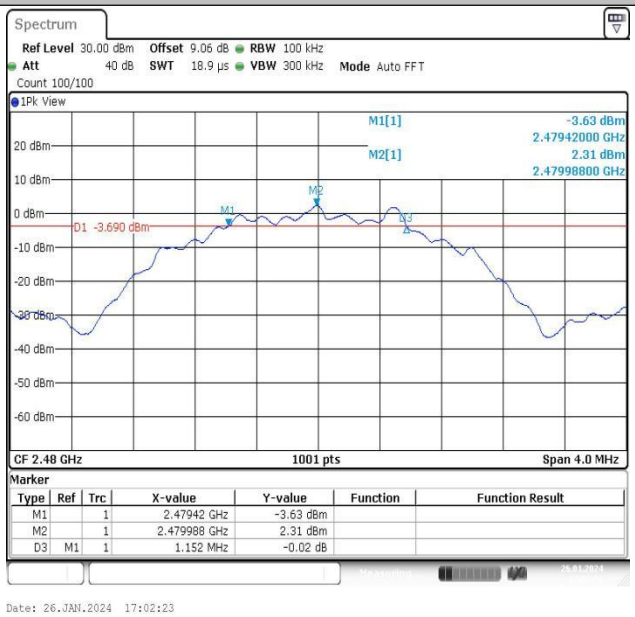
BLE_1M-Ant1-2480



BLE_2M-Ant1-2402



BLE_2M-Ant1-2440



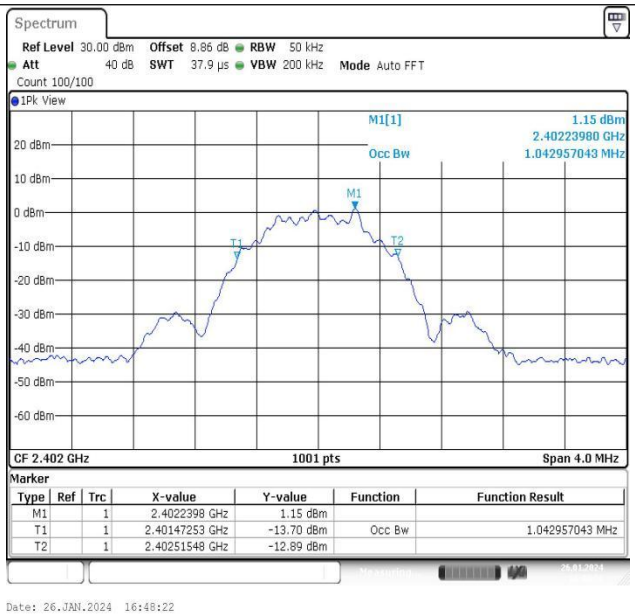
BLE_2M-Ant1-2480

Appendix B: Occupied Channel Bandwidth

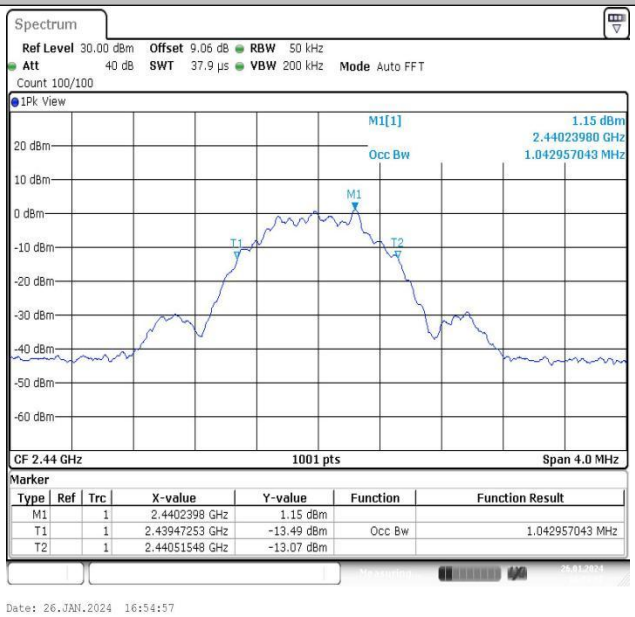
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.043	2401.4725	2402.5155	---	---
BLE_1M	Ant1	2440	1.043	2439.4725	2440.5155	---	---
BLE_1M	Ant1	2480	1.043	2479.4725	2480.5155	---	---
BLE_2M	Ant1	2402	2.07	2400.9690	2403.0390	---	---
BLE_2M	Ant1	2440	2.07	2438.9650	2441.0350	---	---
BLE_2M	Ant1	2480	2.07	2478.9650	2481.0350	---	---

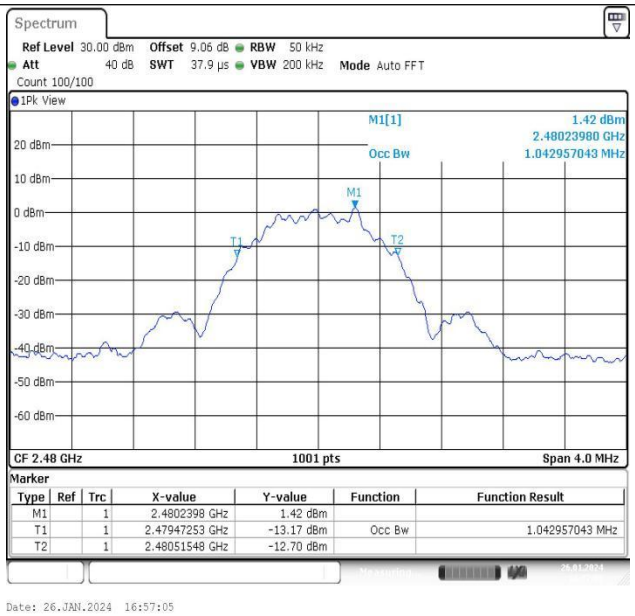
Test Graphs



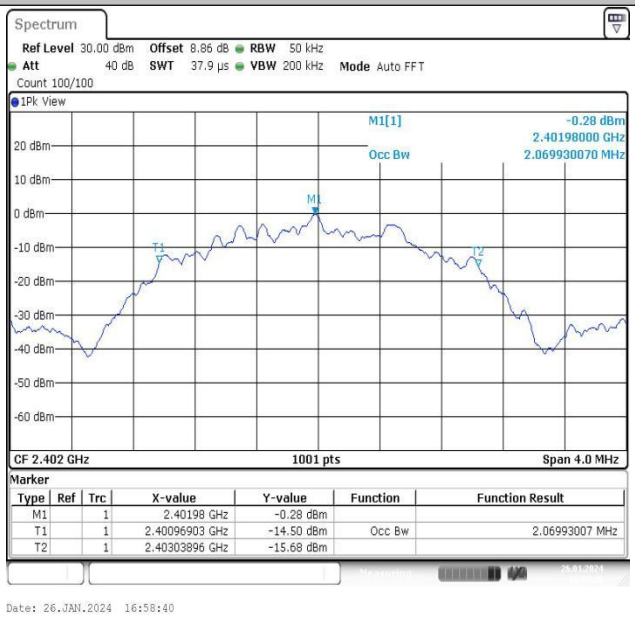
BLE_1M-Ant1-2402



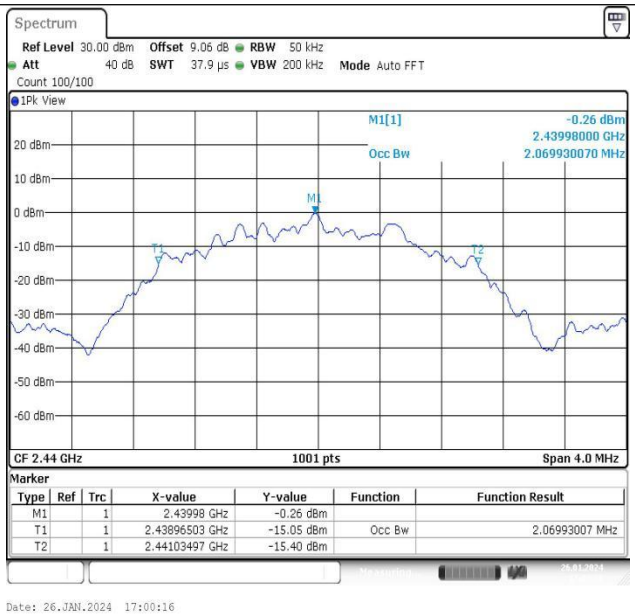
BLE_1M-Ant1-2440



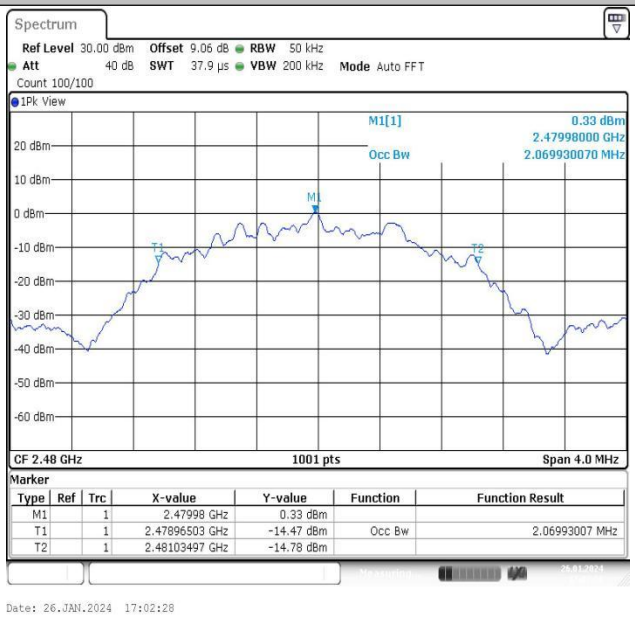
BLE_1M-Ant1-2480



BLE_2M-Ant1-2402



BLE_2M-Ant1-2440



BLE_2M-Ant1-2480

Appendix C: Maximum conducted output power

Test Result Peak

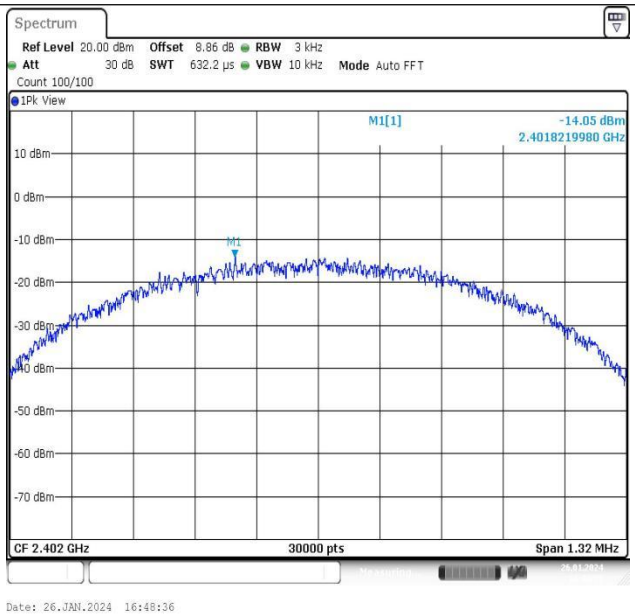
TestMode	Antenna	Frequency[MHz]	Conducted Peak Powert[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.59	≤30	4.39	≤36	PASS
BLE_1M	Ant1	2440	2.7	≤30	4.5	≤36	PASS
BLE_1M	Ant1	2480	3.07	≤30	4.87	≤36	PASS
BLE_2M	Ant1	2402	2.54	≤30	4.34	≤36	PASS
BLE_2M	Ant1	2440	2.6	≤30	4.4	≤36	PASS
BLE_2M	Ant1	2480	3.1	≤30	4.9	≤36	PASS

Appendix D: Maximum power spectral density

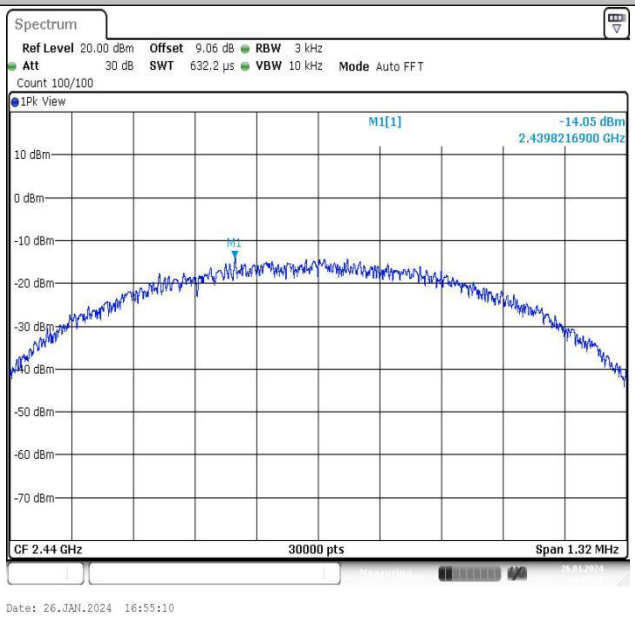
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.05	≤8.00	PASS
BLE_1M	Ant1	2440	-14.05	≤8.00	PASS
BLE_1M	Ant1	2480	-13.71	≤8.00	PASS
BLE_2M	Ant1	2402	-16.4	≤8.00	PASS
BLE_2M	Ant1	2440	-16.39	≤8.00	PASS
BLE_2M	Ant1	2480	-15.84	≤8.00	PASS

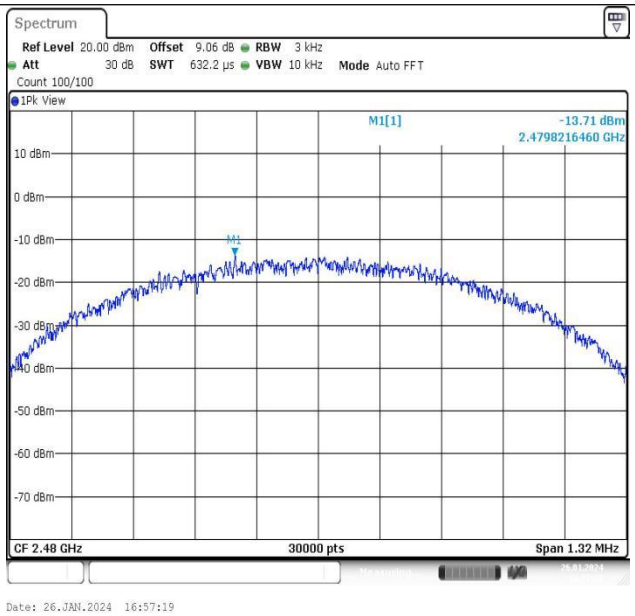
Test Graphs



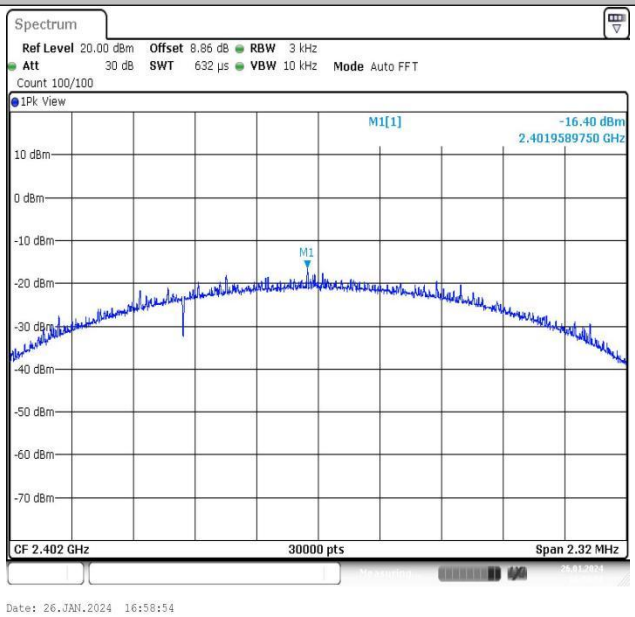
BLE_1M-Ant1-2402



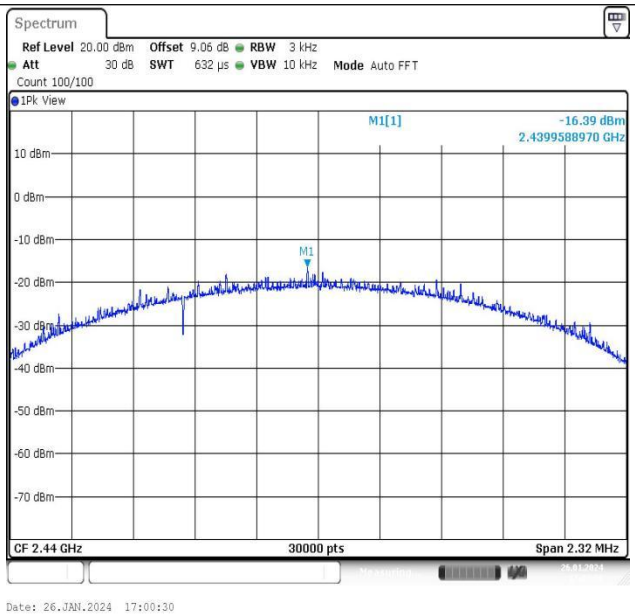
BLE_1M-Ant1-2440



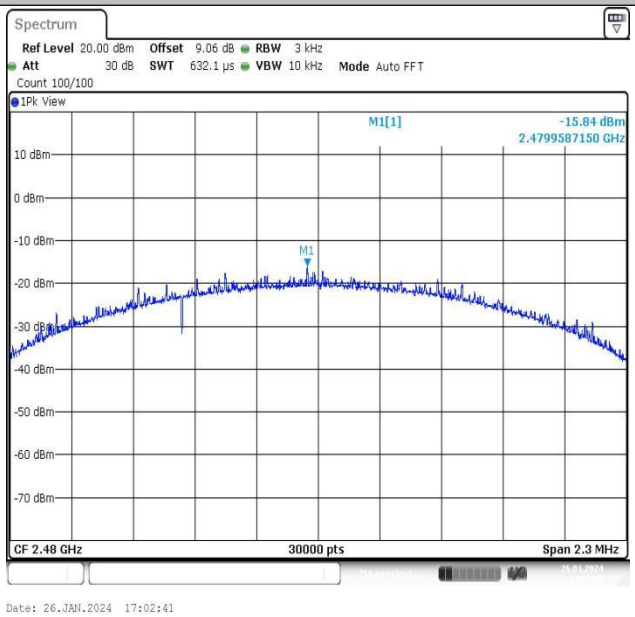
BLE_1M-Ant1-2480



BLE_2M-Ant1-2402



BLE_2M-Ant1-2440



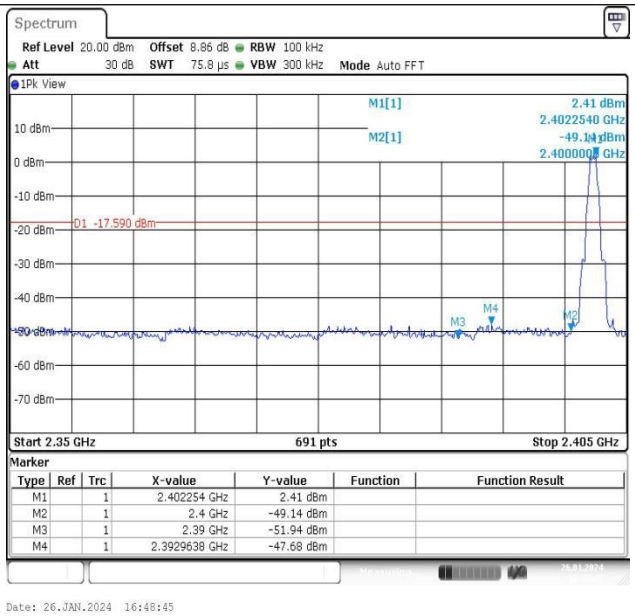
BLE_2M-Ant1-2480

Appendix E: Band edge measurements

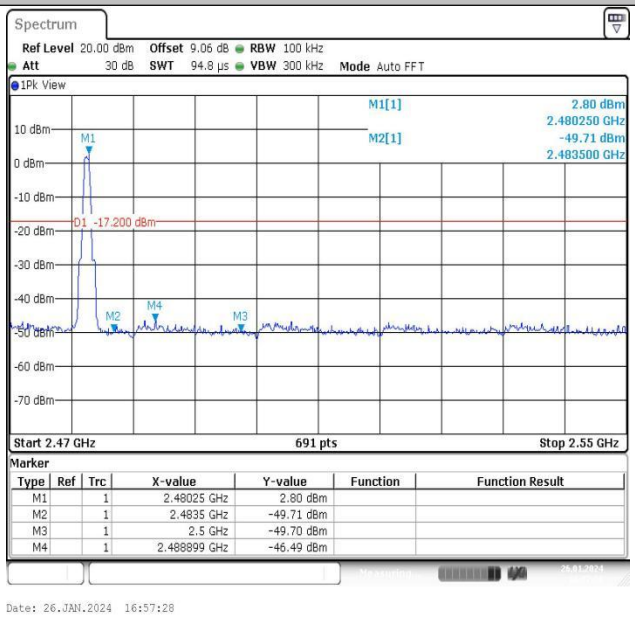
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.41	-47.68	≤-17.59	PASS
BLE_1M	Ant1	High	2480	2.80	-46.49	≤-17.2	PASS
BLE_2M	Ant1	Low	2402	1.54	-29.78	≤-18.46	PASS
BLE_2M	Ant1	High	2480	2.16	-46.99	≤-17.84	PASS

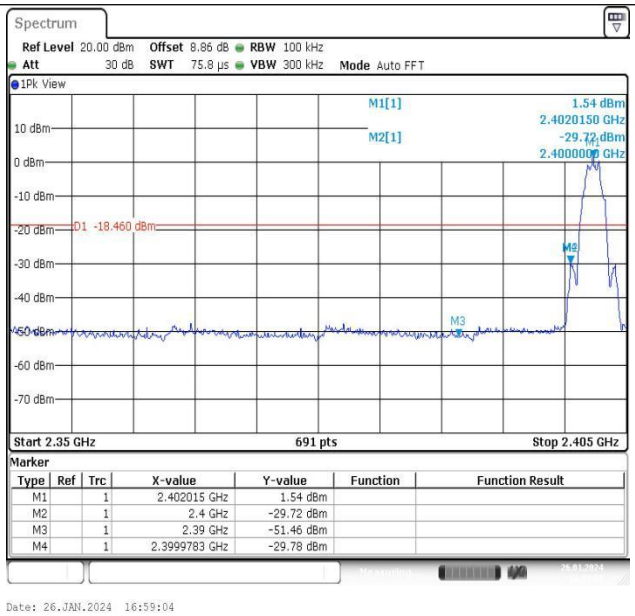
Test Graphs



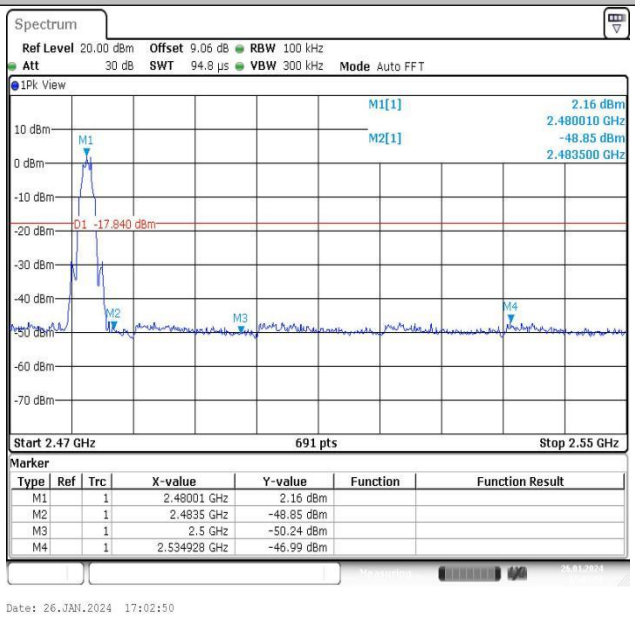
BLE_1M-Ant1-2402



BLE_1M-Ant1-2480



BLE_2M-Ant1-2402



BLE_2M-Ant1-2480

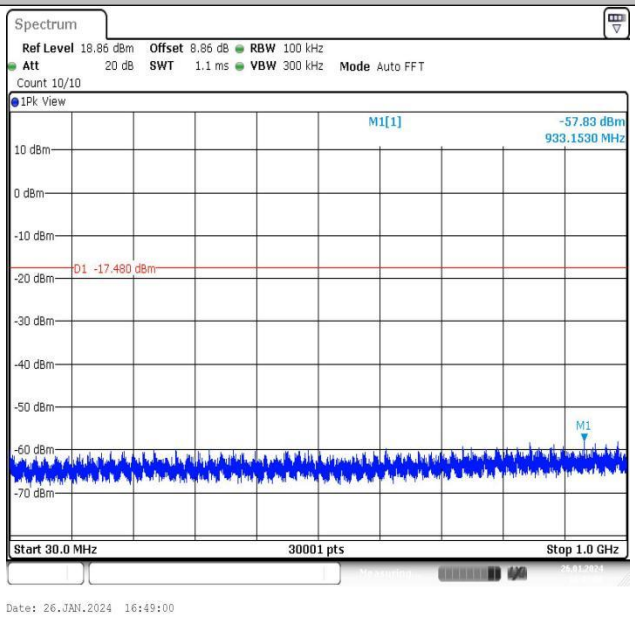
Appendix F: Conducted Spurious Emission

Test Result

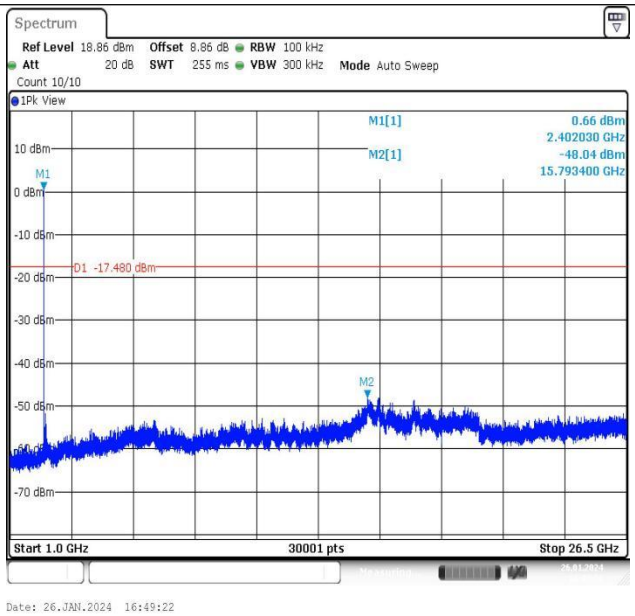
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	2.52	2.52	---	PASS
BLE_1M	Ant1	2402	30~1000	2.52	-57.83	≤-17.48	PASS
BLE_1M	Ant1	2402	1000~26500	2.52	-48.04	≤-17.48	PASS
BLE_1M	Ant1	2440	0~Reference	2.49	2.49	---	PASS
BLE_1M	Ant1	2440	30~1000	2.49	-58.05	≤-17.51	PASS
BLE_1M	Ant1	2440	1000~26500	2.49	-48.18	≤-17.51	PASS
BLE_1M	Ant1	2480	0~Reference	2.82	2.82	---	PASS
BLE_1M	Ant1	2480	30~1000	2.82	-57.3	≤-17.18	PASS
BLE_1M	Ant1	2480	1000~26500	2.82	-47.45	≤-17.18	PASS
BLE_2M	Ant1	2402	0~Reference	1.89	1.89	---	PASS
BLE_2M	Ant1	2402	30~1000	1.89	-57.96	≤-18.11	PASS
BLE_2M	Ant1	2402	1000~26500	1.89	-45.7	≤-18.11	PASS
BLE_2M	Ant1	2440	0~Reference	1.87	1.87	---	PASS
BLE_2M	Ant1	2440	30~1000	1.87	-58.4	≤-18.13	PASS
BLE_2M	Ant1	2440	1000~26500	1.87	-48.51	≤-18.13	PASS
BLE_2M	Ant1	2480	0~Reference	2.35	2.35	---	PASS
BLE_2M	Ant1	2480	30~1000	2.35	-58.36	≤-17.65	PASS
BLE_2M	Ant1	2480	1000~26500	2.35	-47.36	≤-17.65	PASS

Test Graphs

BLE_1M-Ant1-2402-0~Reference

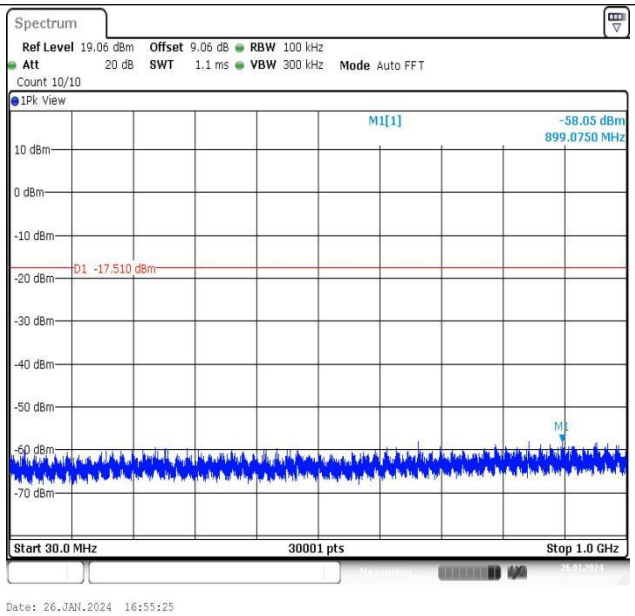


BLE_1M-Ant1-2402-30~1000

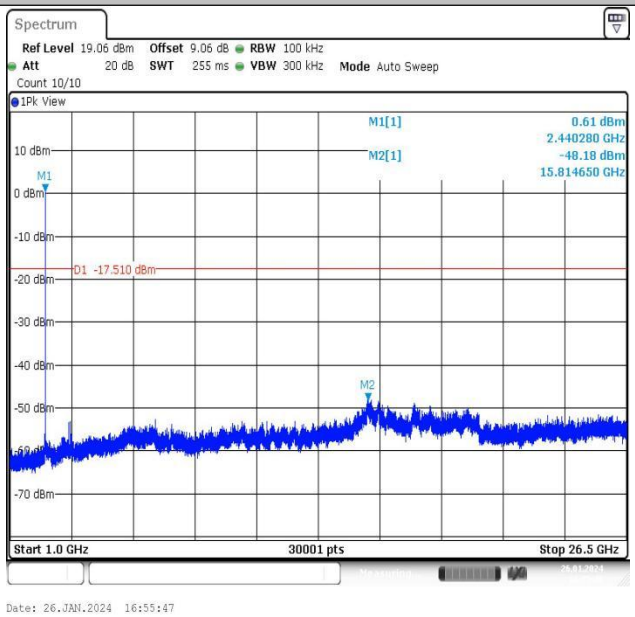


BLE_1M-Ant1-2402-1000~26500

BLE_1M-Ant1-2440-0~Reference

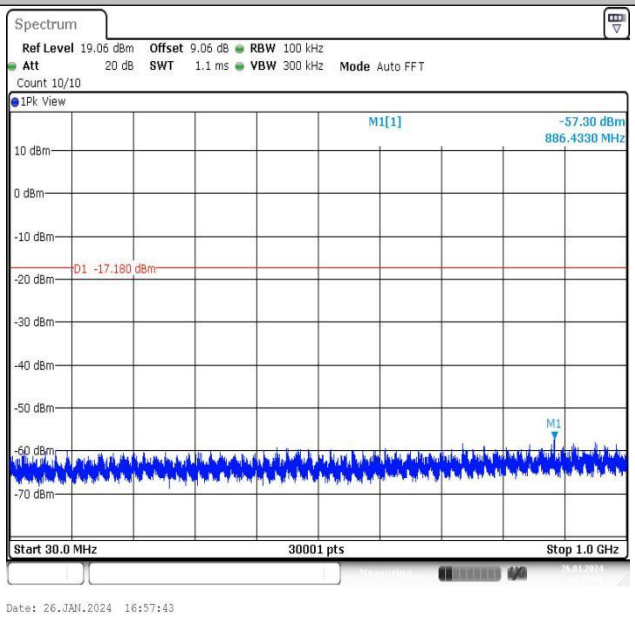


BLE_1M-Ant1-2440-30~1000

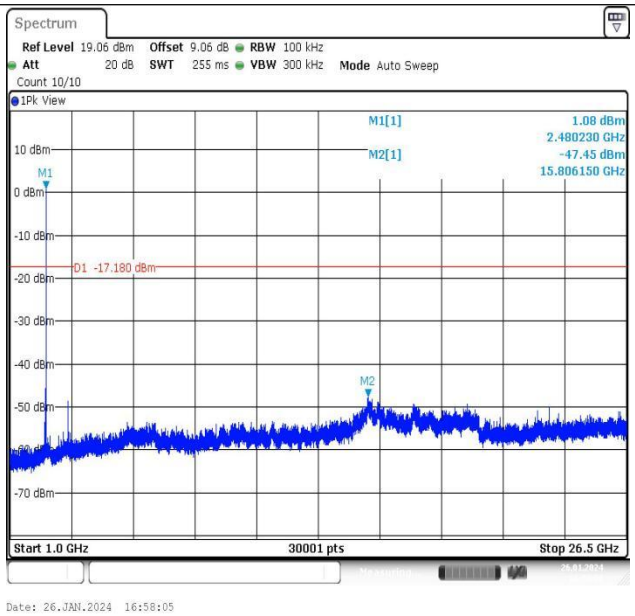


BLE_1M-Ant1-2440-1000~26500

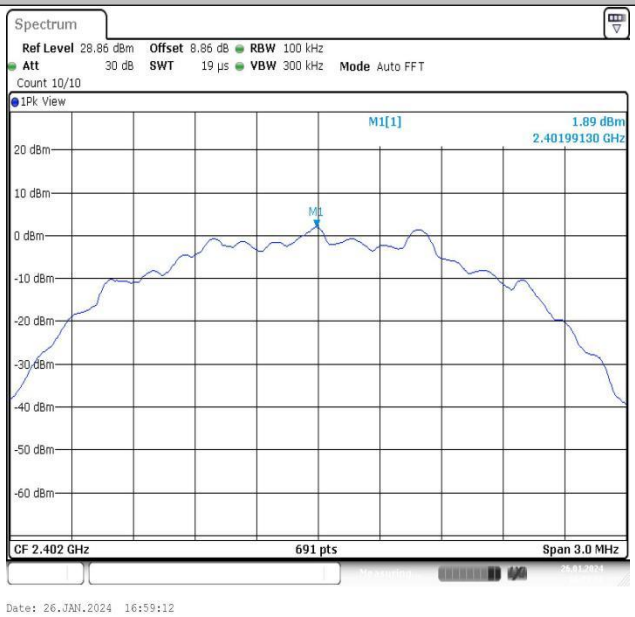
BLE_1M-Ant1-2480-0~Reference



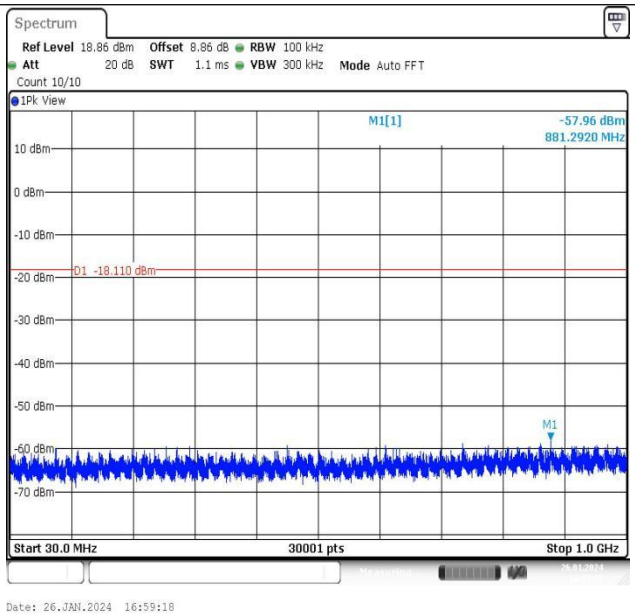
BLE_1M-Ant1-2480-30~1000



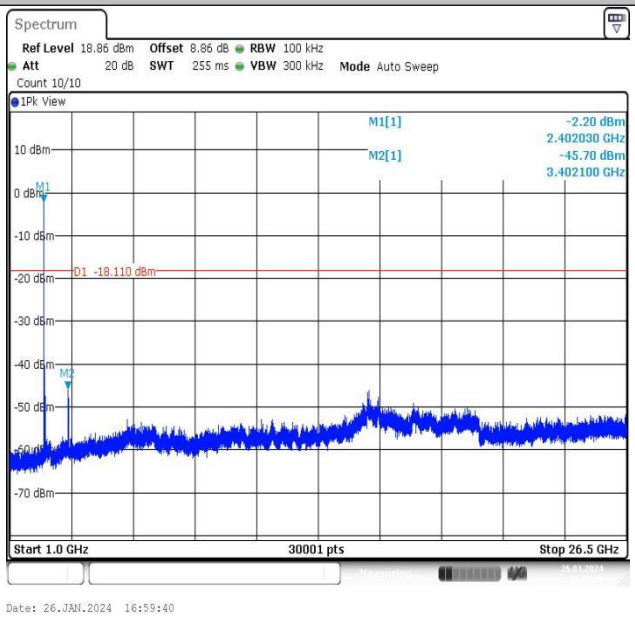
BLE_1M-Ant1-2480-1000~26500



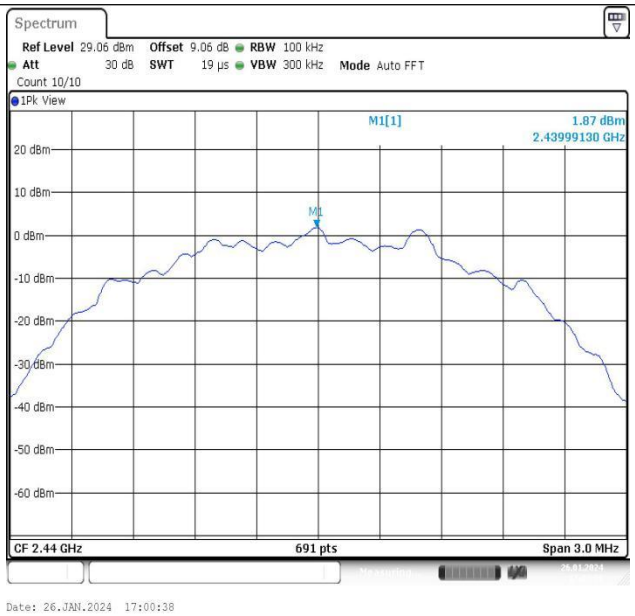
BLE_2M-Ant1-2402-0~Reference



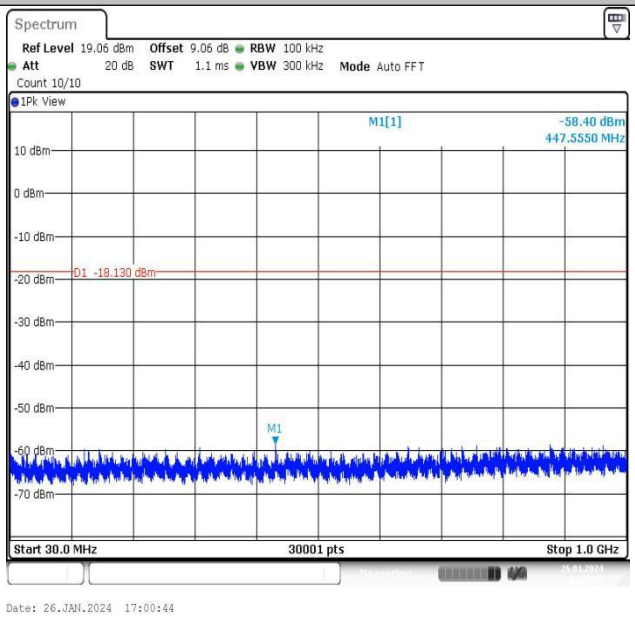
BLE_2M-Ant1-2402-30~1000



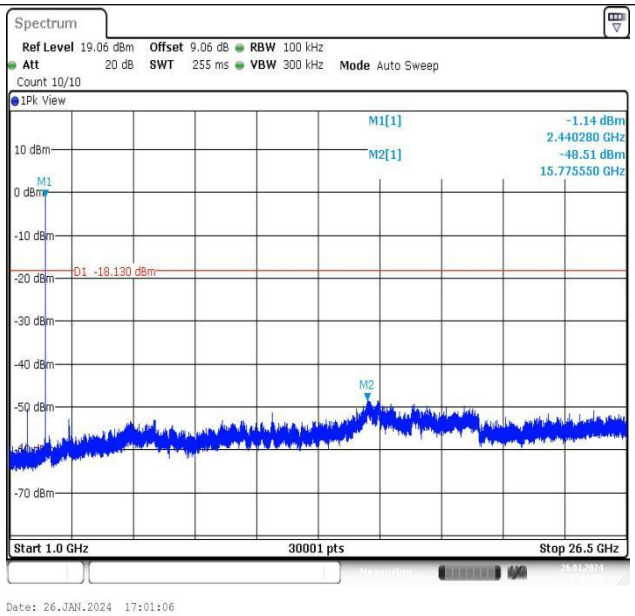
BLE_2M-Ant1-2402-1000~26500



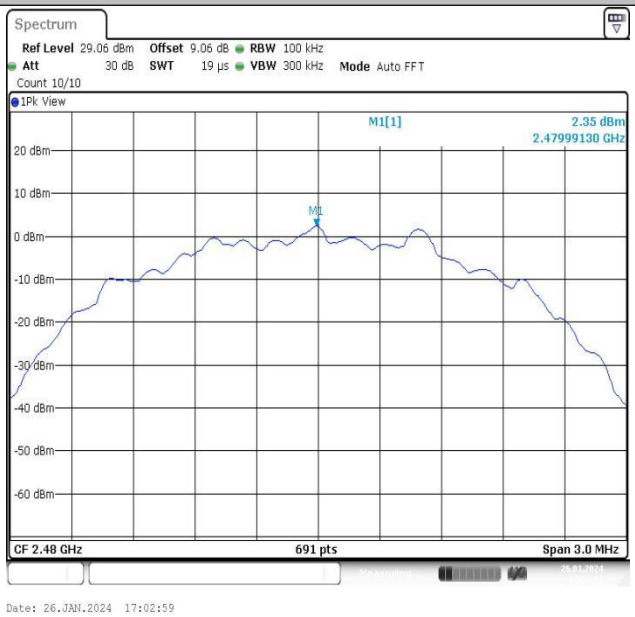
BLE_2M-Ant1-2440-0~Reference



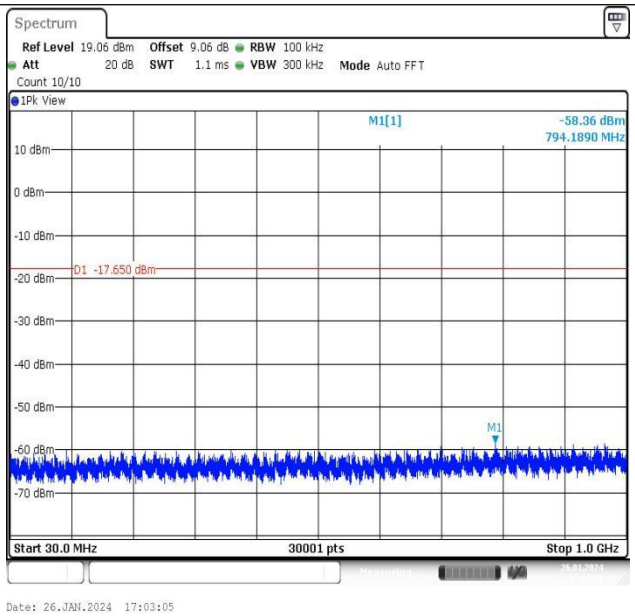
BLE_2M-Ant1-2440-30~1000



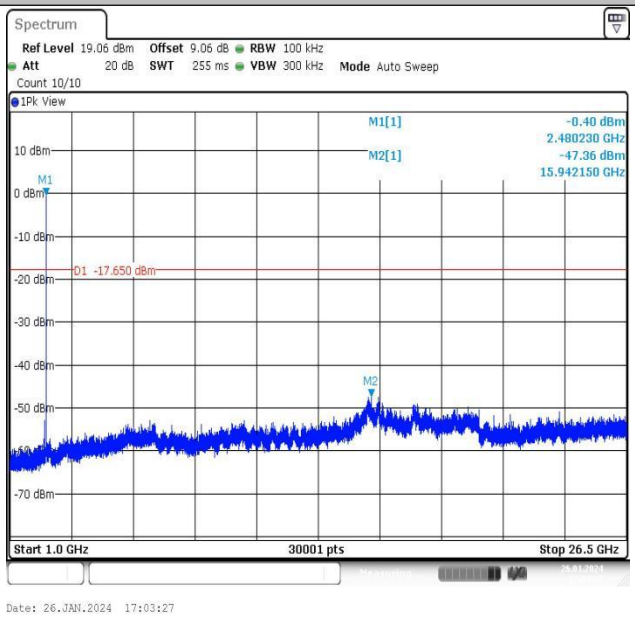
BLE_2M-Ant1-2440-1000~26500



BLE_2M-Ant1-2480-0~Reference



BLE_2M-Ant1-2480-30~1000



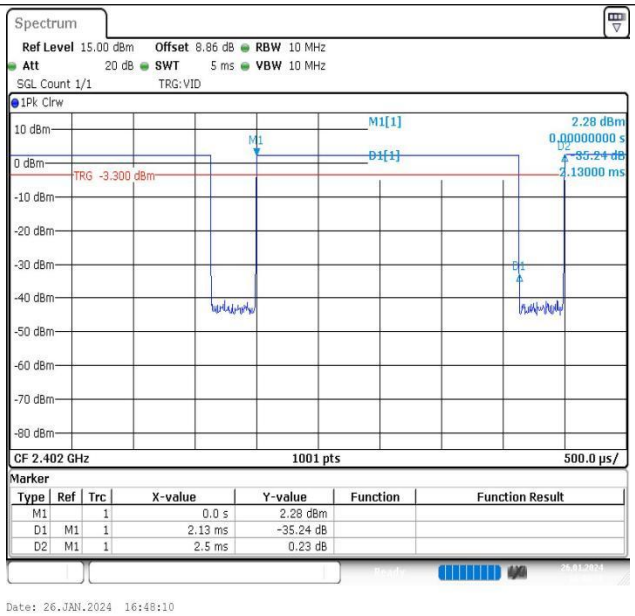
BLE_2M-Ant1-2480-1000~26500

Appendix G: Duty Cycle

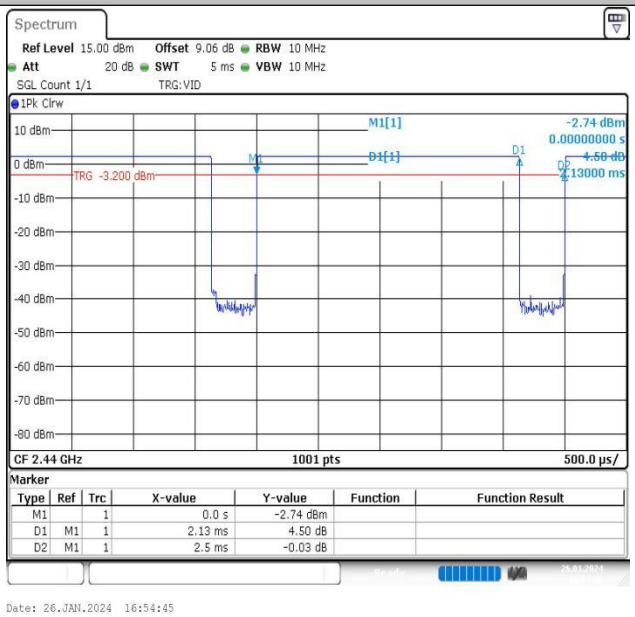
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2440	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2480	2.13	2.50	85.20	0.70
BLE_2M	Ant1	2402	1.07	1.88	56.91	2.45
BLE_2M	Ant1	2440	1.07	1.88	56.91	2.45
BLE_2M	Ant1	2480	1.07	1.88	56.91	2.45

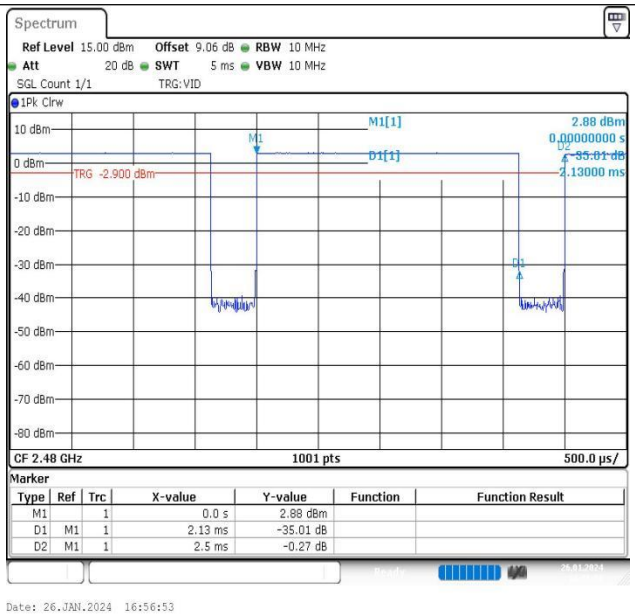
Test Graphs



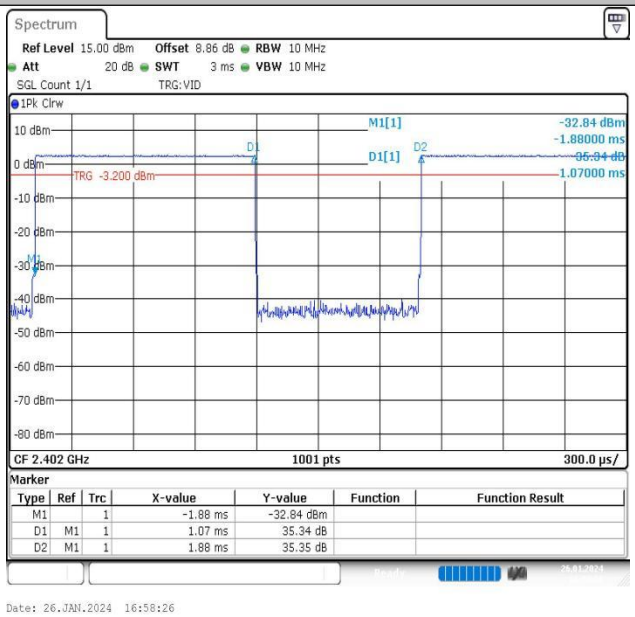
NTNV-BLE_1M-Ant1-2402



NTNV-BLE_1M-Ant1-2440



NTNV-BLE_1M-Ant1-2480



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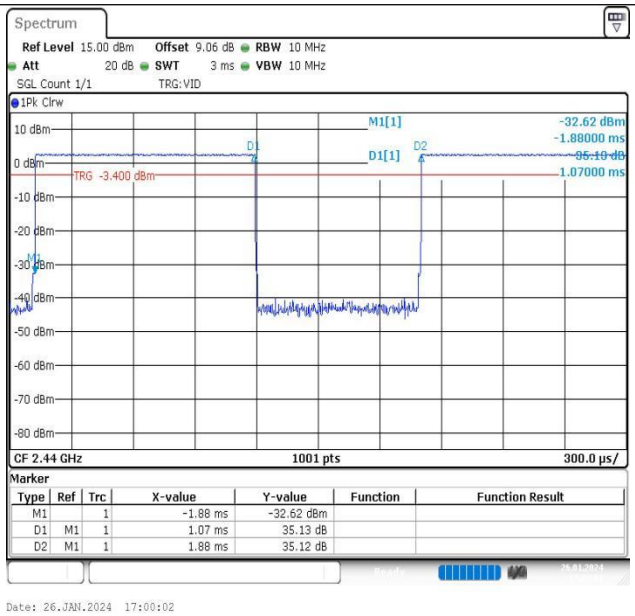

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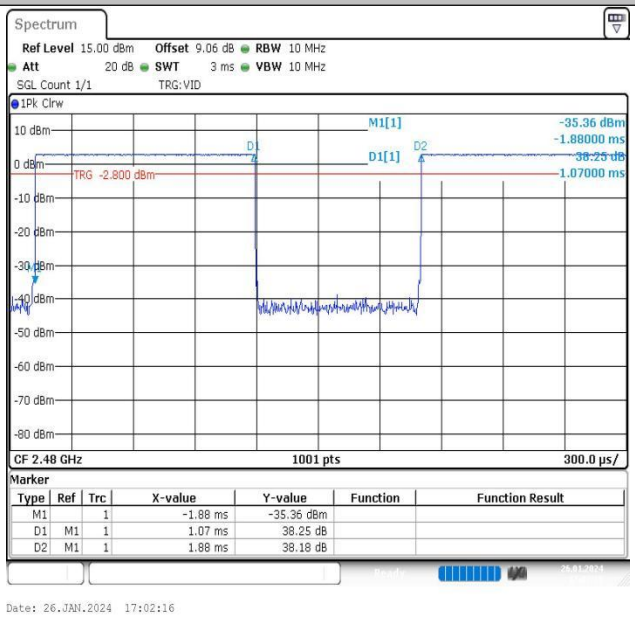

NTNV-BLE_2M-Ant1-2480