



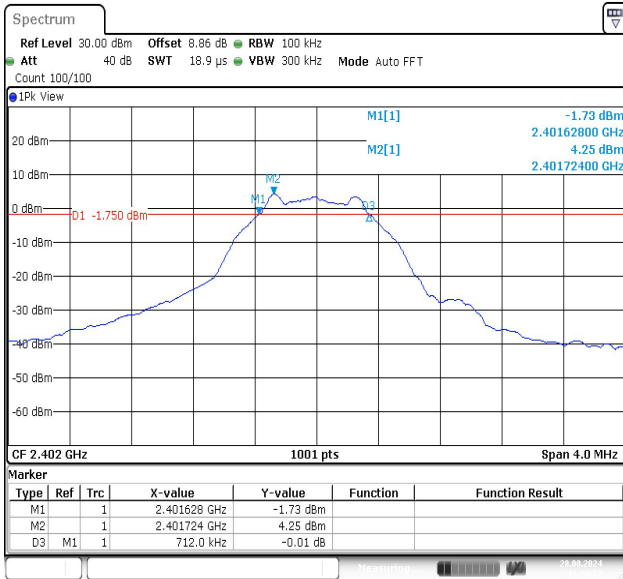
## Appendix A: DTS Bandwidth

### Test Result

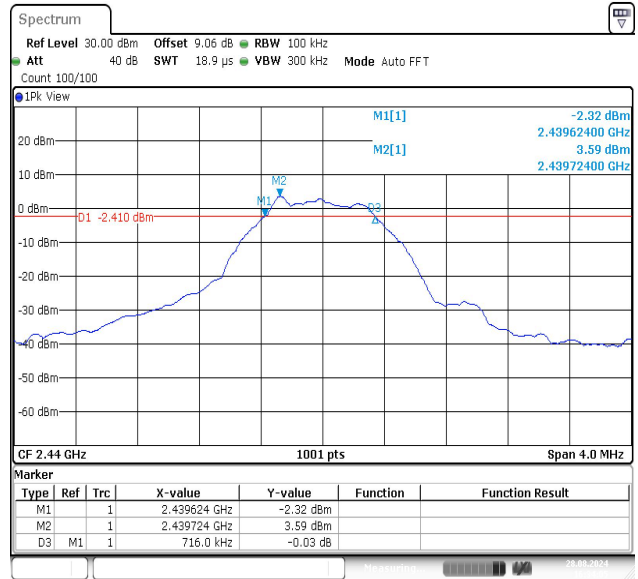
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.71	2401.63	2402.34	0.5	PASS
BLE_1M	Ant1	2440	0.72	2439.62	2440.34	0.5	PASS
BLE_1M	Ant1	2480	0.73	2479.62	2480.34	0.5	PASS



## Test Graphs

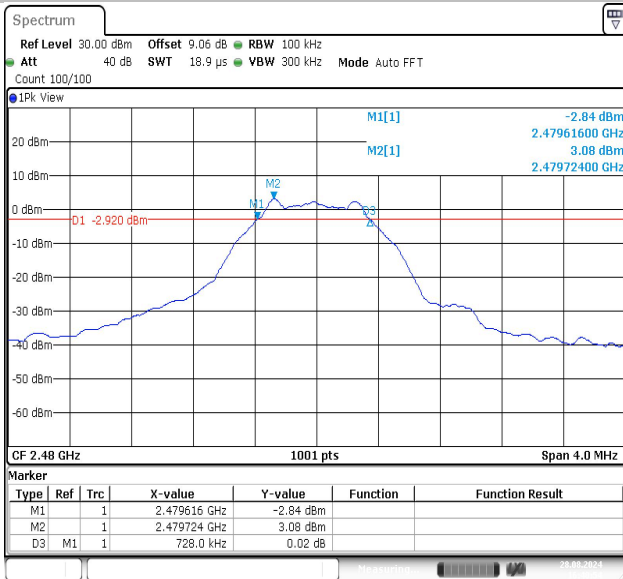


Date: 28.AUG.2024 16:30:37



Date: 28.AUG.2024 16:34:06

### BLE\_1M-Ant1-2402-PASS



Date: 28.AUG.2024 16:40:54

### BLE\_1M-Ant1-2440-PASS

### BLE\_1M-Ant1-2480-PASS



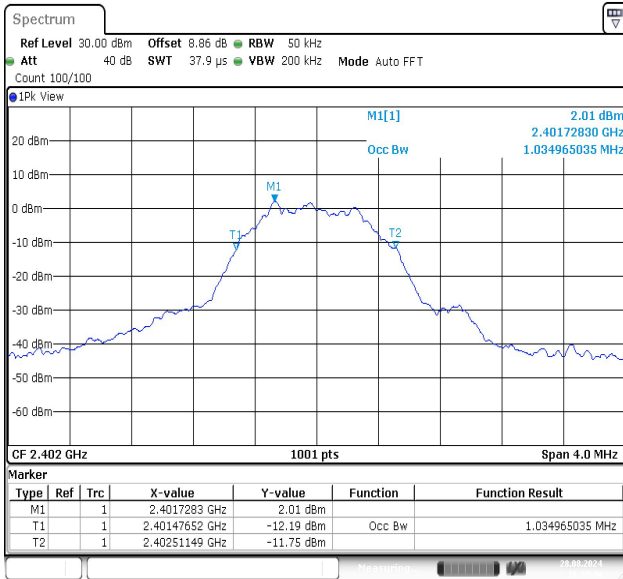
## Appendix B: Occupied Channel Bandwidth

### Test Result

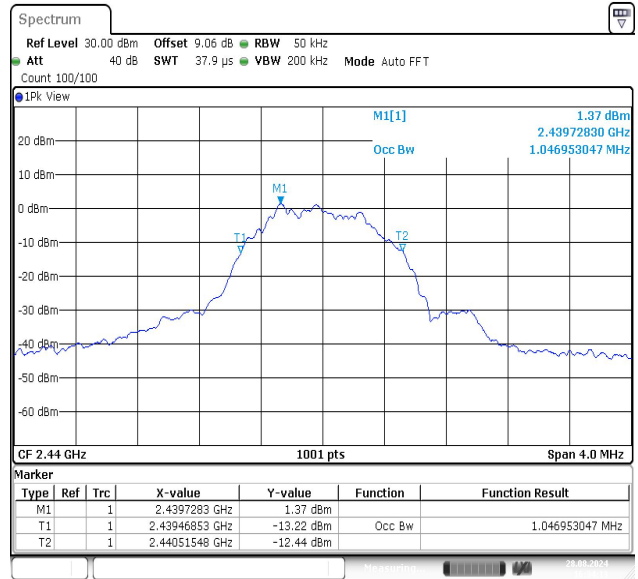
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.035	2401.4765	2402.5115	---	---
BLE_1M	Ant1	2440	1.047	2439.4685	2440.5155	---	---
BLE_1M	Ant1	2480	1.039	2479.4725	2480.5115	---	---



## Test Graphs

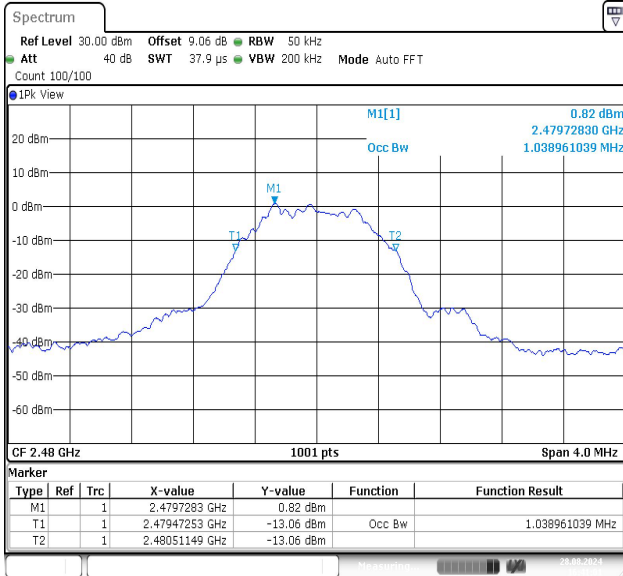


Date: 28.AUG.2024 16:30:44



Date: 28.AUG.2024 16:34:13

### BLE\_1M-Ant1-2402



Date: 28.AUG.2024 16:41:01

### BLE\_1M-Ant1-2480

### BLE\_1M-Ant1-2440



### 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	4.66	≤30.00	1.41	6.07	≤36	PASS
BLE_1M	Ant1	2440	4.62	≤30.00	1.41	6.03	≤36	PASS
BLE_1M	Ant1	2480	4.16	≤30.00	1.41	5.57	≤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	4.60	≤30	1.41	6.01	≤36.00	PASS
BLE_1M	Ant1	2440	3.93	≤30	1.41	5.34	≤36.00	PASS
BLE_1M	Ant1	2480	3.47	≤30	1.41	4.88	≤36.00	PASS



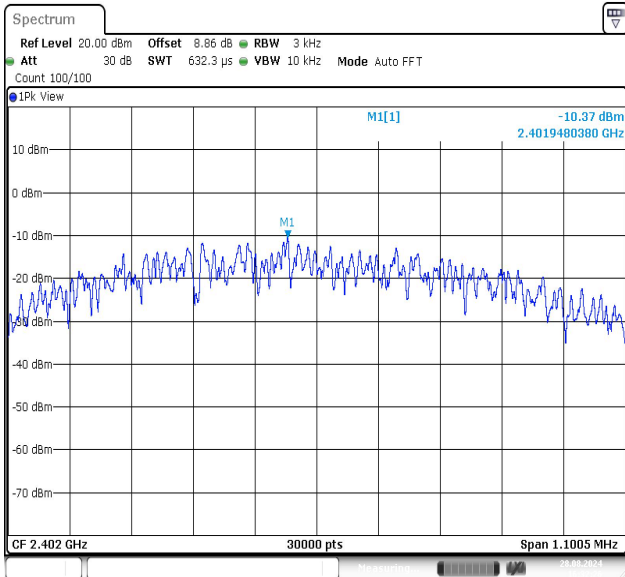
**Appendix D: Maximum power spectral density**

**Test Result**

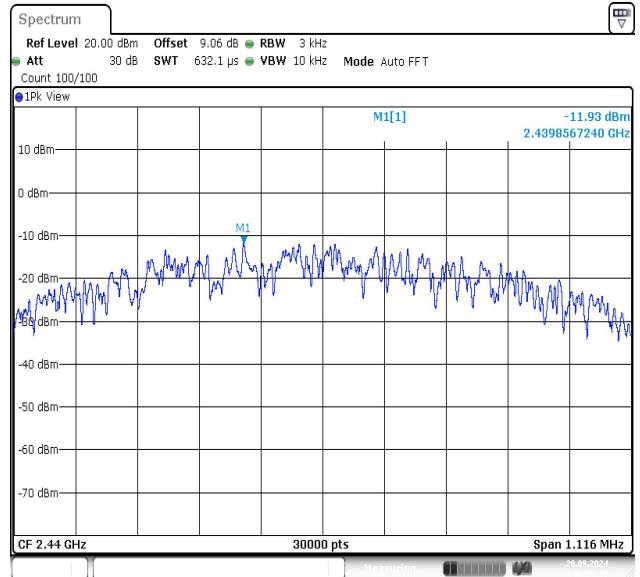
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.37	≤8.00	PASS
BLE_1M	Ant1	2440	-11.93	≤8.00	PASS
BLE_1M	Ant1	2480	-12.42	≤8.00	PASS



## Test Graphs

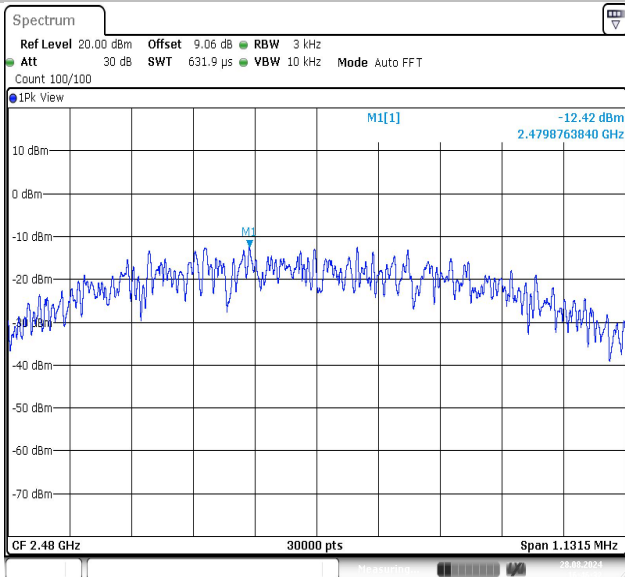


Date: 28.AUG.2024 16:32:26



Date: 28.AUG.2024 16:39:30

### BLE\_1M-Ant1-2402-PASS



Date: 28.AUG.2024 16:46:32

### BLE\_1M-Ant1-2440-PASS

### BLE\_1M-Ant1-2480-PASS



## Appendix E: Conducted Spurious Emission

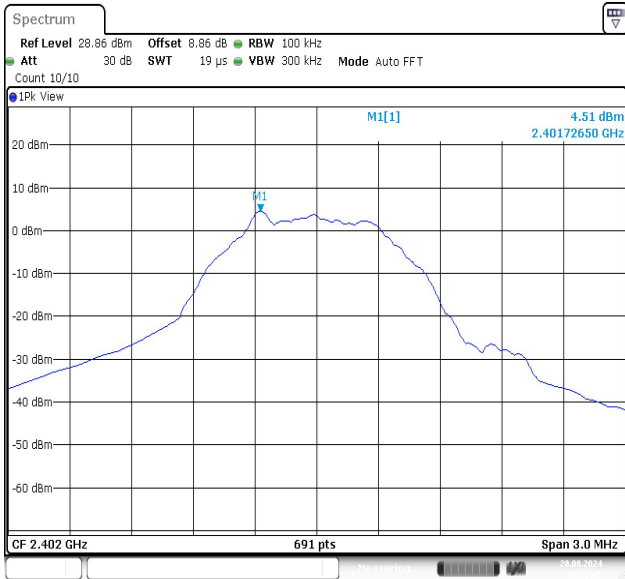
### Test Result

TestMode	Antenna	Frequency[MHz]	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	4.51	4.51	---	PASS
BLE_1M	Ant1	2402	30~1000	4.51	-57.28	≤-15.49	PASS
BLE_1M	Ant1	2402	1000~26500	4.51	-47	≤-15.49	PASS
BLE_1M	Ant1	2440	0~Reference	3.86	3.86	---	PASS
BLE_1M	Ant1	2440	30~1000	3.86	-55.4	≤-16.14	PASS
BLE_1M	Ant1	2440	1000~26500	3.86	-46.5	≤-16.14	PASS
BLE_1M	Ant1	2480	0~Reference	3.29	3.29	---	PASS
BLE_1M	Ant1	2480	30~1000	3.29	-57.72	≤-16.71	PASS
BLE_1M	Ant1	2480	1000~26500	3.29	-47.01	≤-16.71	PASS

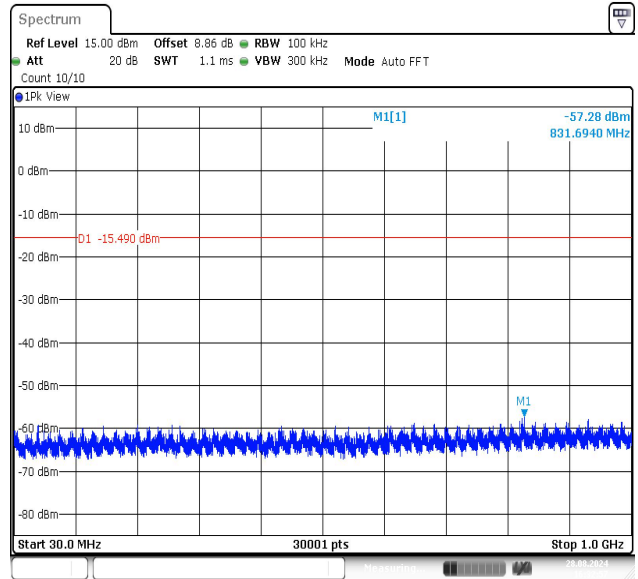




Test Graphs

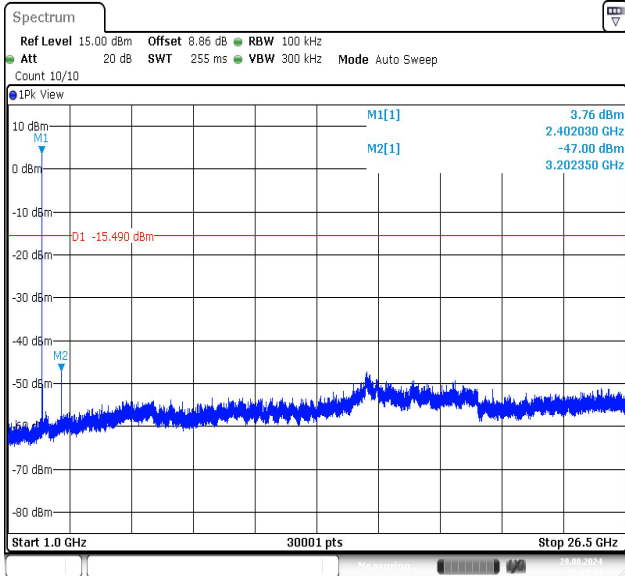


Date: 28.AUG.2024 16:32:45



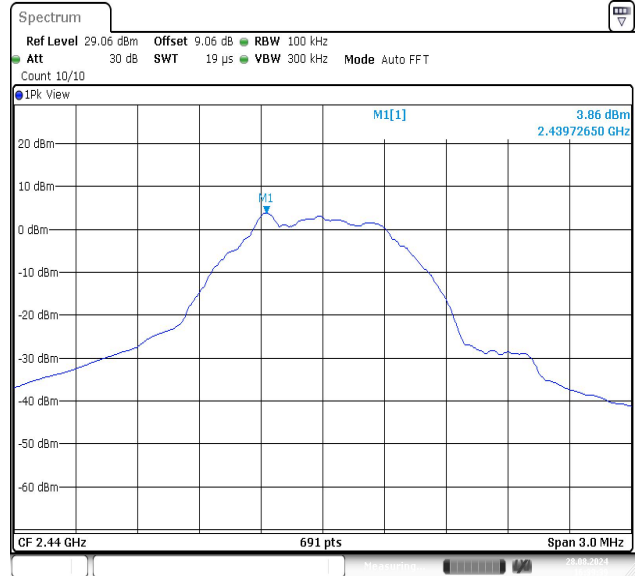
Date: 28.AUG.2024 16:32:57

BLE\_1M-Ant1-2402-0~Reference-PASS



Date: 28.AUG.2024 16:33:34

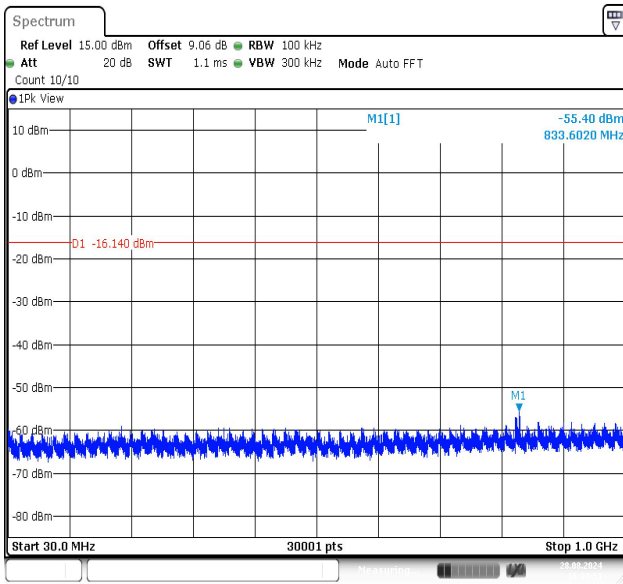
BLE\_1M-Ant1-2402-30~1000-PASS



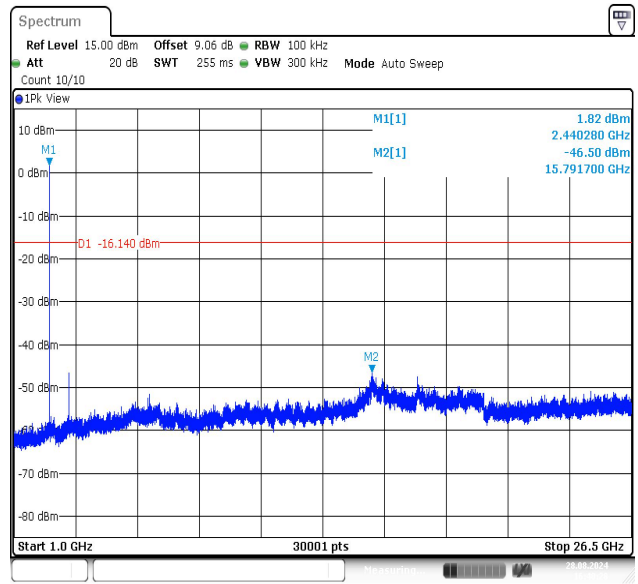
Date: 28.AUG.2024 16:39:39

BLE\_1M-Ant1-2402-1000~26500-PASS

BLE\_1M-Ant1-2440-0~Reference-PASS



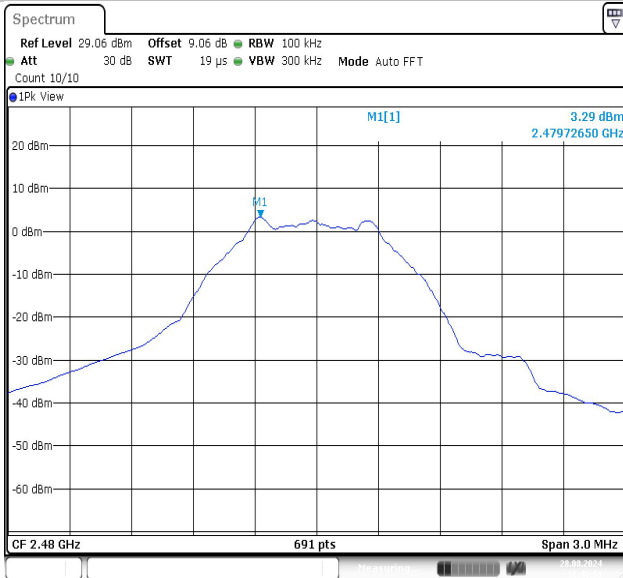
Date: 28.AUG.2024 16:39:51



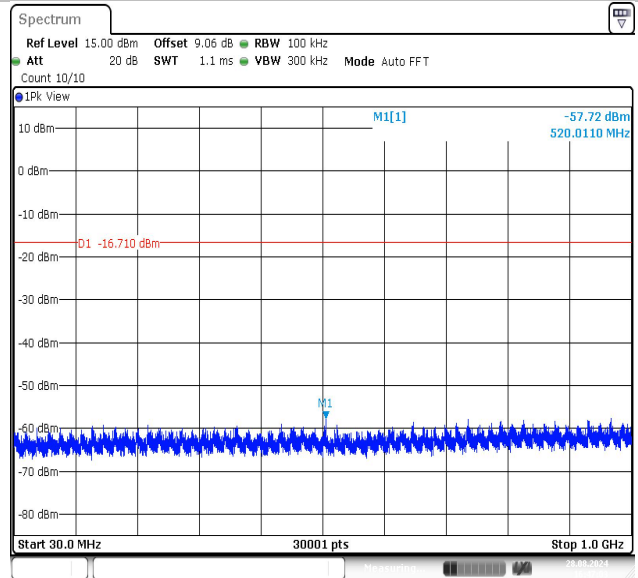
Date: 28.AUG.2024 16:40:28

### BLE\_1M-Ant1-2440-30~1000-PASS

### BLE\_1M-Ant1-2440-1000~26500-PASS



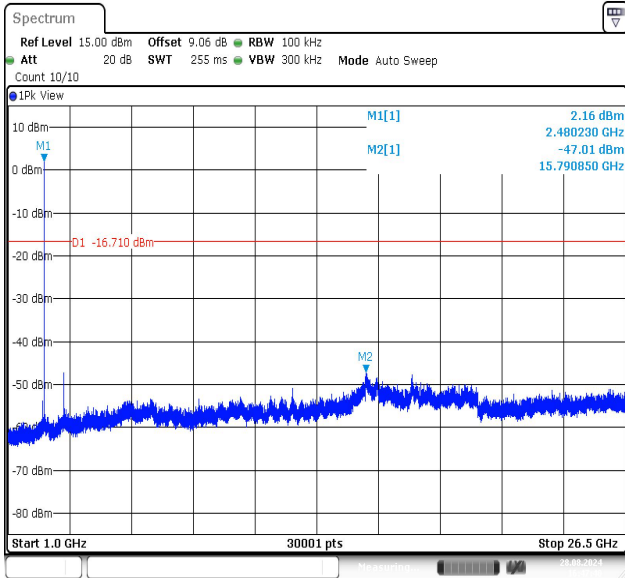
Date: 28.AUG.2024 16:46:51



Date: 28.AUG.2024 16:47:03

### BLE\_1M-Ant1-2480-0~Reference-PASS

### BLE\_1M-Ant1-2480-30~1000-PASS



Date: 28.AUG.2024 16:47:40

BLE\_1M-Ant1-2480-1000~26500-PASS



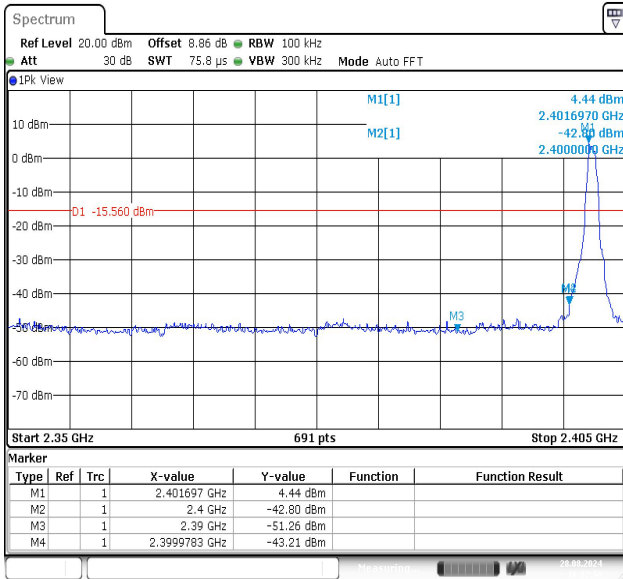
## Appendix F: Band edge measurements

### Test Result

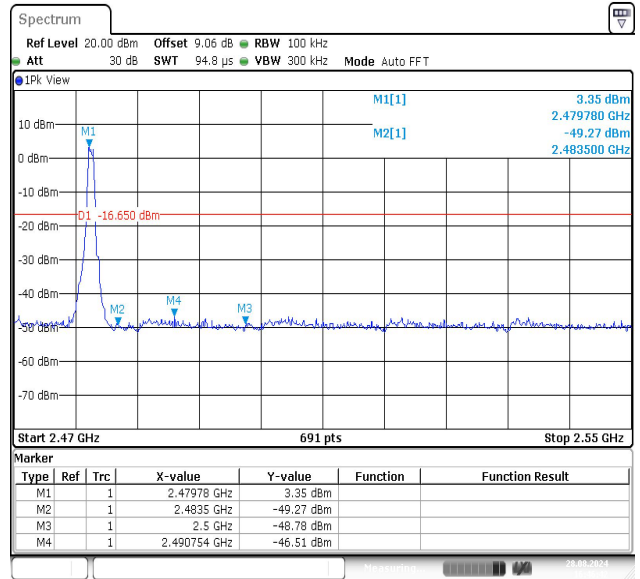
TestMode	Antenna	ChName	Frequency[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.44	-43.21	≤-15.56	PASS
BLE_1M	Ant1	High	2480	3.35	-46.51	≤-16.65	PASS



Test Graphs



Date: 28.AUG.2024 16:32:36



Date: 28.AUG.2024 16:46:42



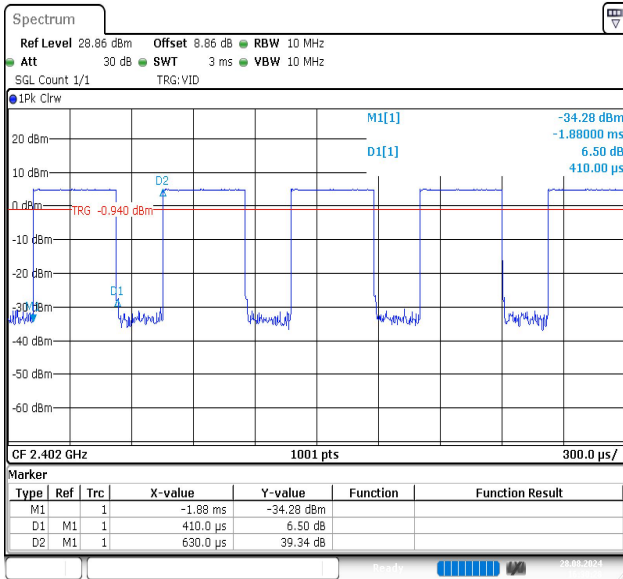
## Appendix G: Duty Cycle

### Test Result

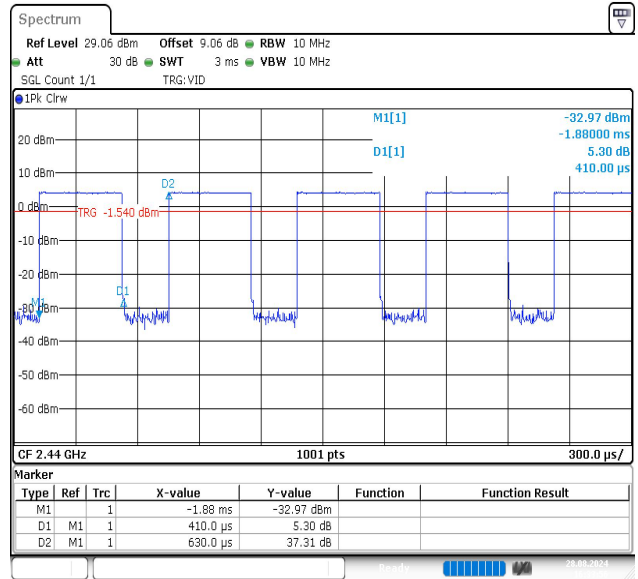
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
BLE_1M	Ant1	2402	0.41	0.63	65.08
BLE_1M	Ant1	2440	0.41	0.63	65.08
BLE_1M	Ant1	2480	0.41	0.63	65.08



## Test Graphs

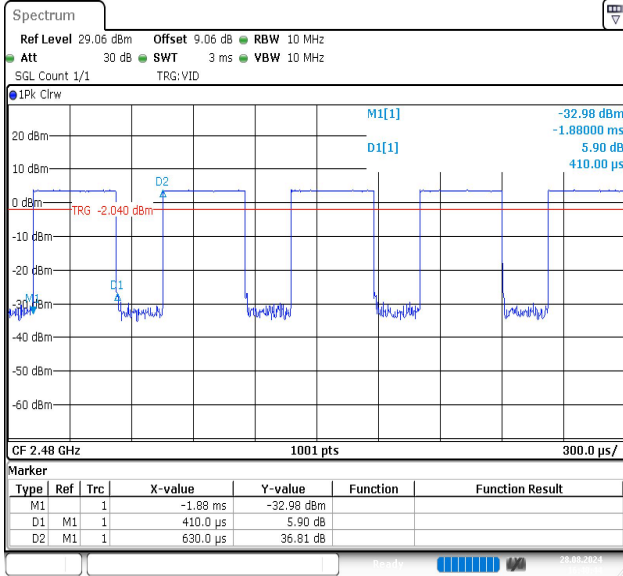


Date: 28.AUG.2024 16:30:28



Date: 28.AUG.2024 16:33:56

### NTNV-BLE\_1M-Ant1-2402



Date: 28.AUG.2024 16:40:45

### NTNV-BLE\_1M-Ant1-2440

### NTNV-BLE\_1M-Ant1-2480

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