

## Appendix Test Data for BLE (Conducted Measurement)

Product Name: Alloy Engineering Remote Control Series

Trade Mark: N/A

Test Model: BC1043

FCC ID: 2BKZ5-BC1043

### Environmental Conditions

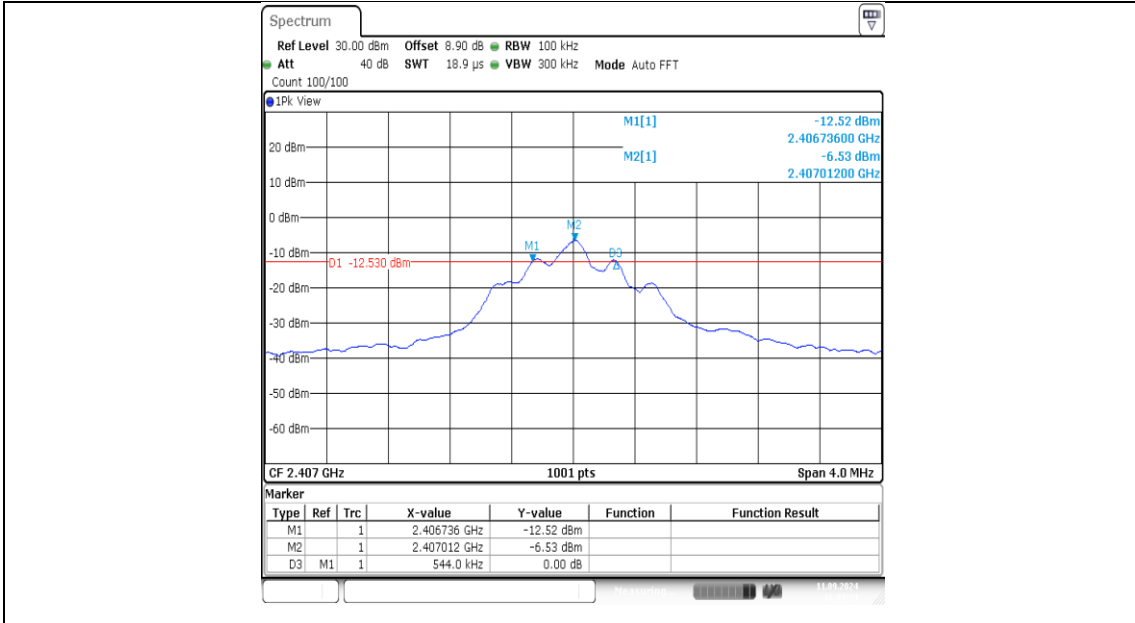
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

## Appendix A: DTS Bandwidth

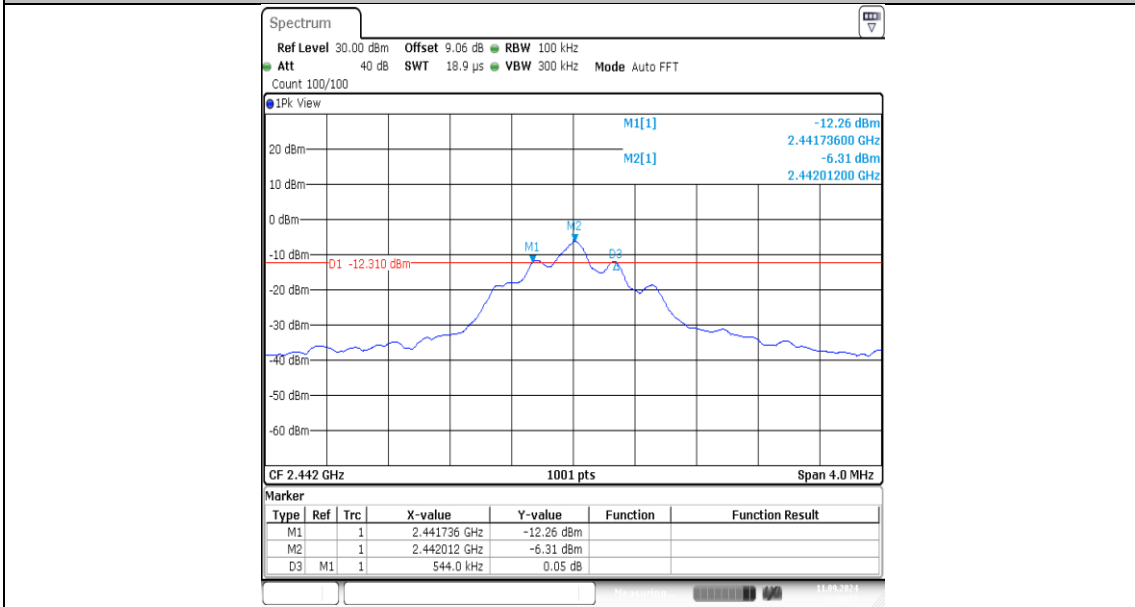
### Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2407	0.54	2406.74	2407.28	0.5	PASS
SRD	Ant1	2442	0.54	2441.74	2442.28	0.5	PASS
SRD	Ant1	2477	0.54	2476.74	2477.28	0.5	PASS

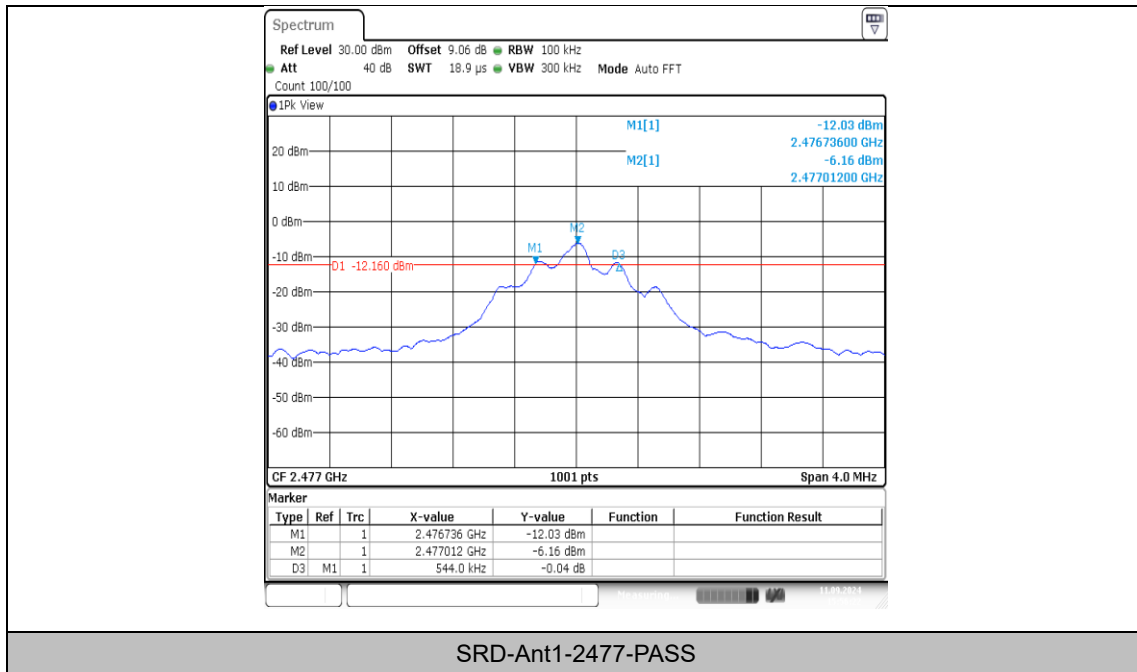
### Test Graphs



SRD-Ant1-2407-PASS



SRD-Ant1-2442-PASS

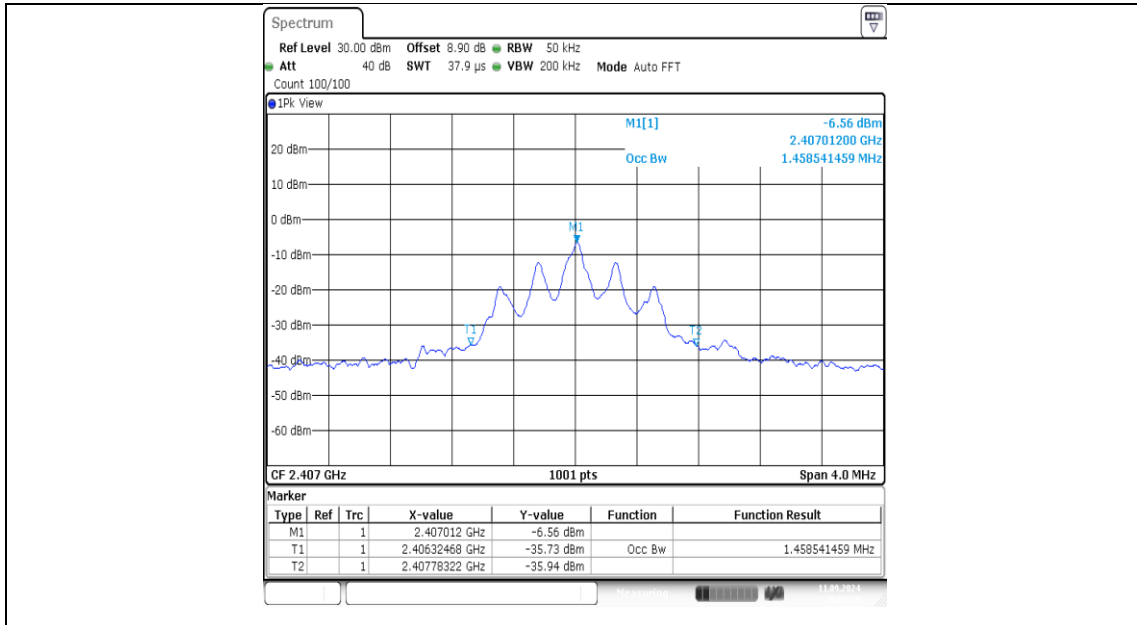


## Appendix B: Occupied Channel Bandwidth

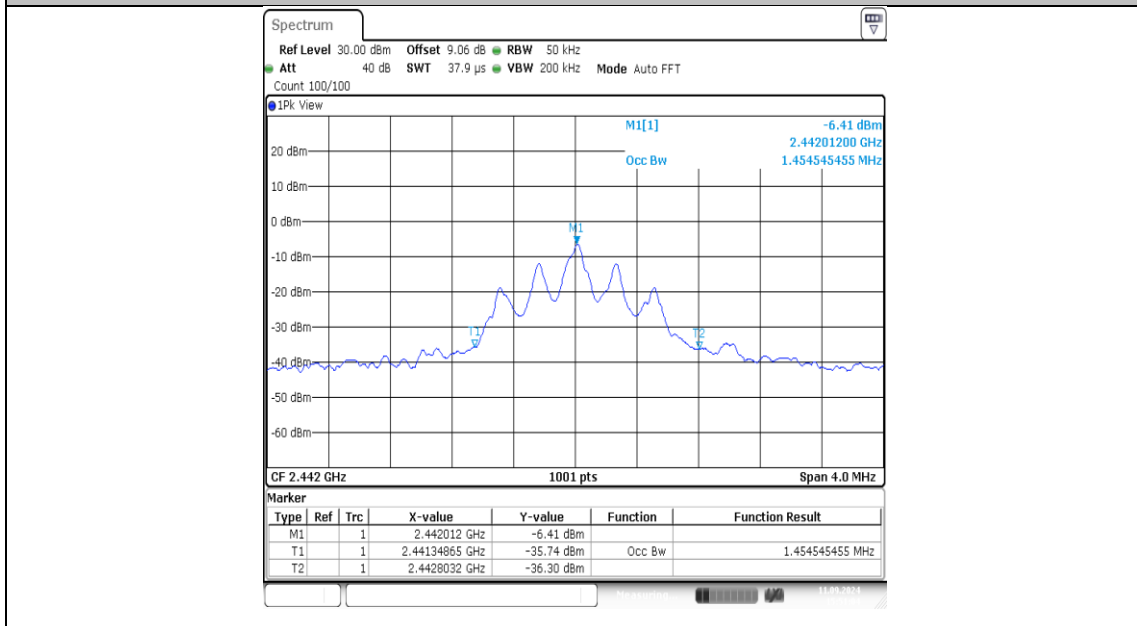
### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2407	1.459	2406.3247	2407.7832	---	---
SRD	Ant1	2442	1.455	2441.3487	2442.8032	---	---
SRD	Ant1	2477	1.427	2476.3806	2477.8072	---	---

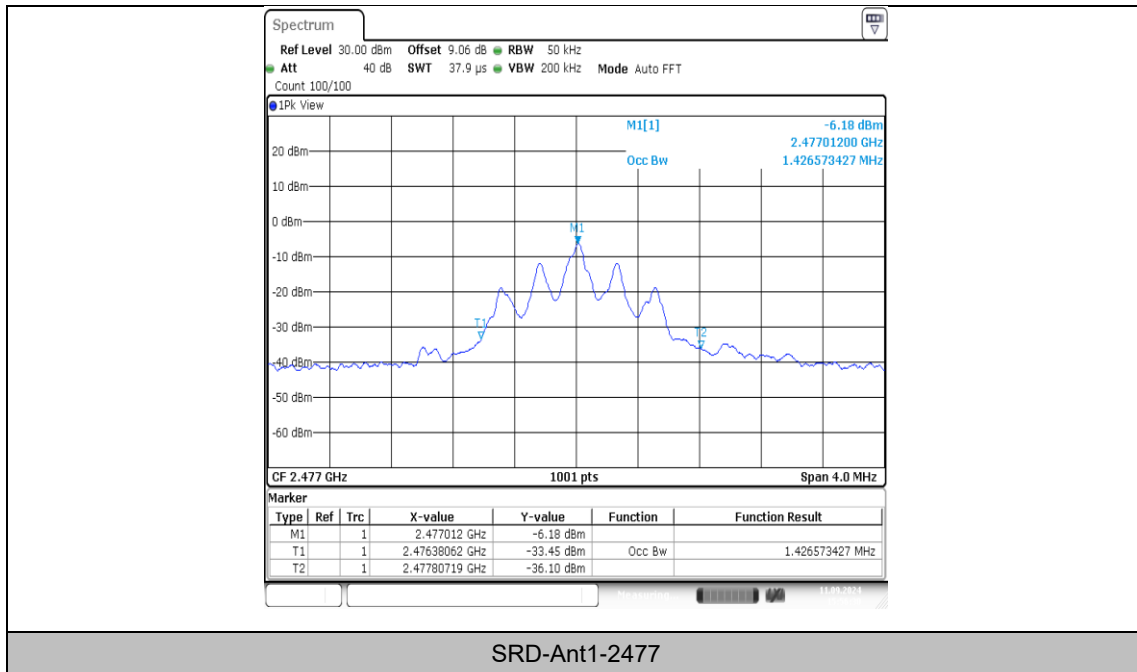
### Test Graphs



SRD-Ant1-2407



SRD-Ant1-2442

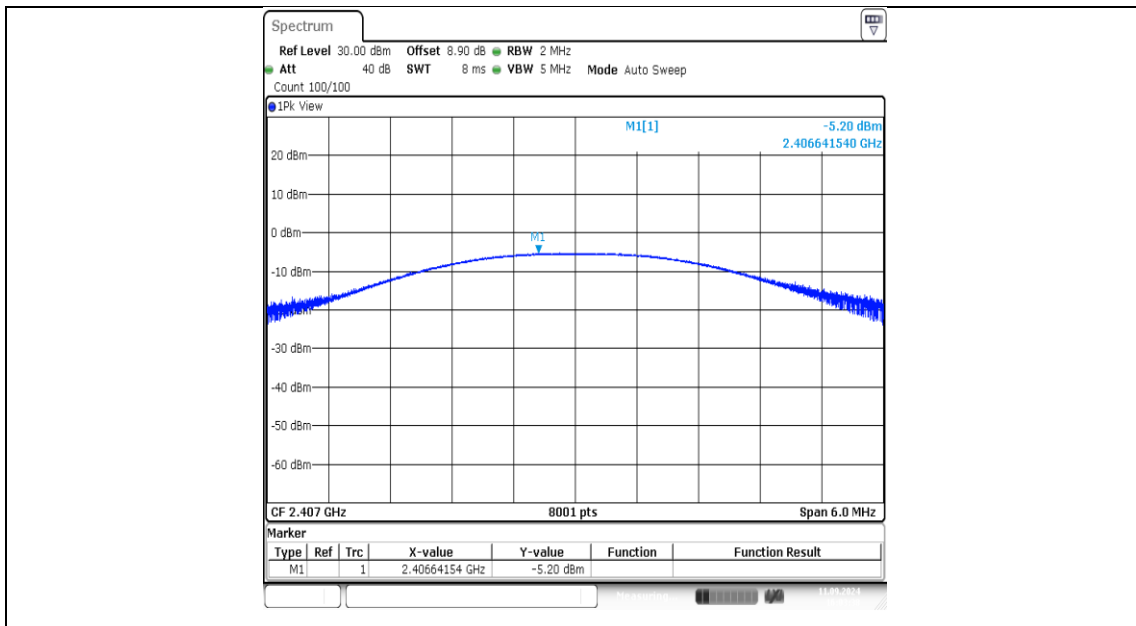


## Appendix C: Maximum peak conducted output power

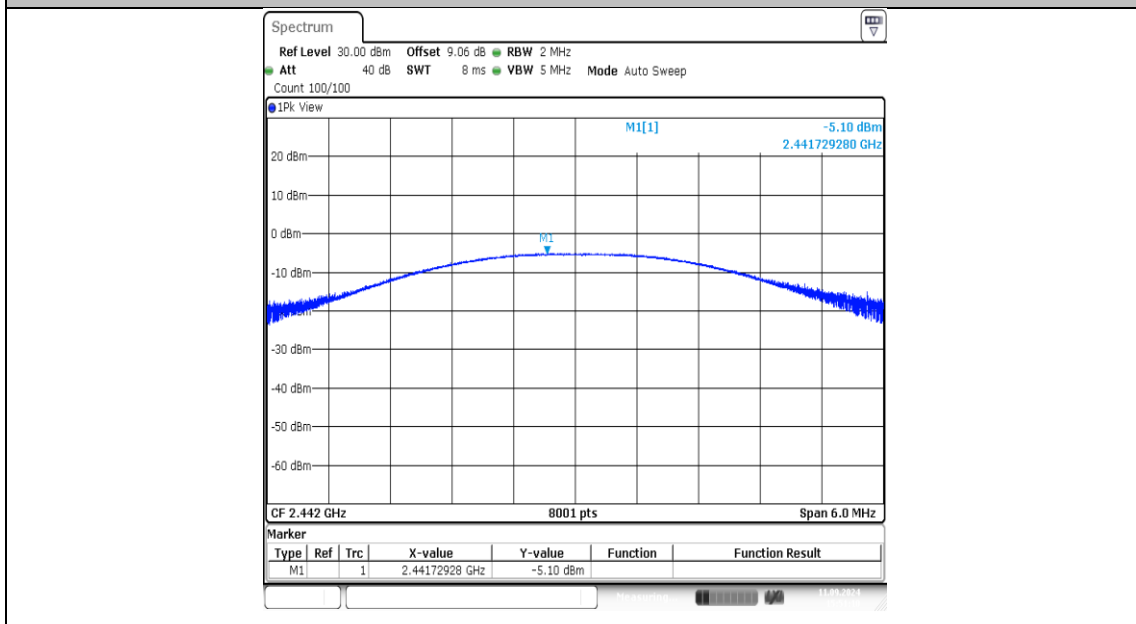
### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
SRD	Ant1	2407	-5.20	≤30	PASS
SRD	Ant1	2442	-5.10	≤30	PASS
SRD	Ant1	2477	-4.96	≤30	PASS

### Test Graphs Peak

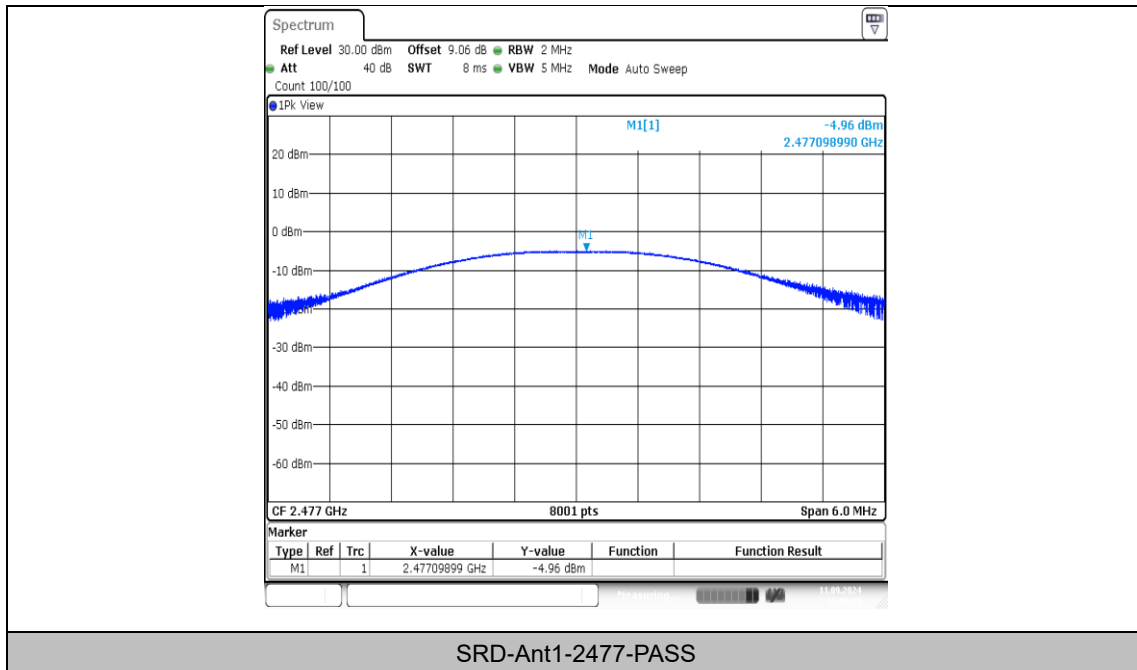


SRD-Ant1-2407-PASS



SRD-Ant1-2442-PASS



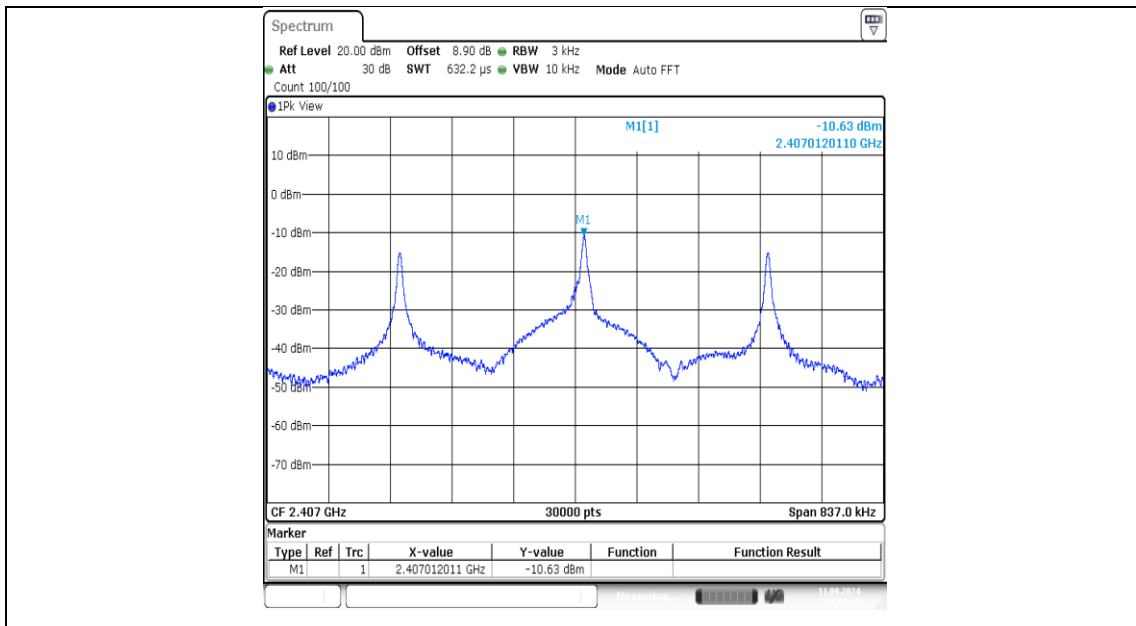


## Appendix D: Maximum peak power spectral density

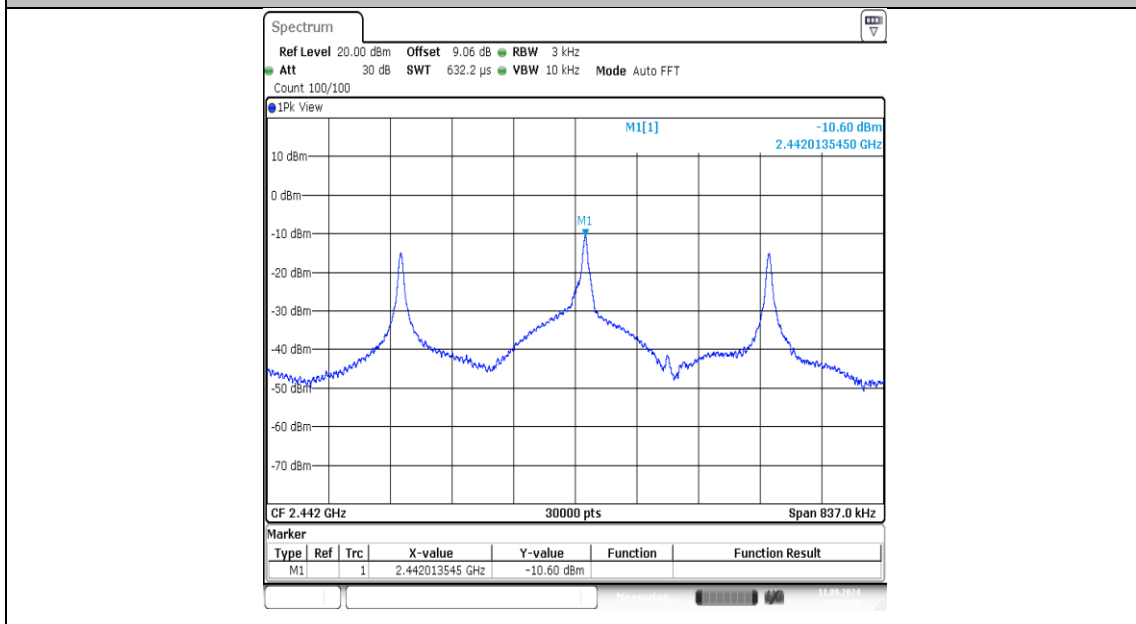
### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
SRD	Ant1	2407	-10.63	≤8.00	PASS
SRD	Ant1	2442	-10.60	≤8.00	PASS
SRD	Ant1	2477	-10.41	≤8.00	PASS

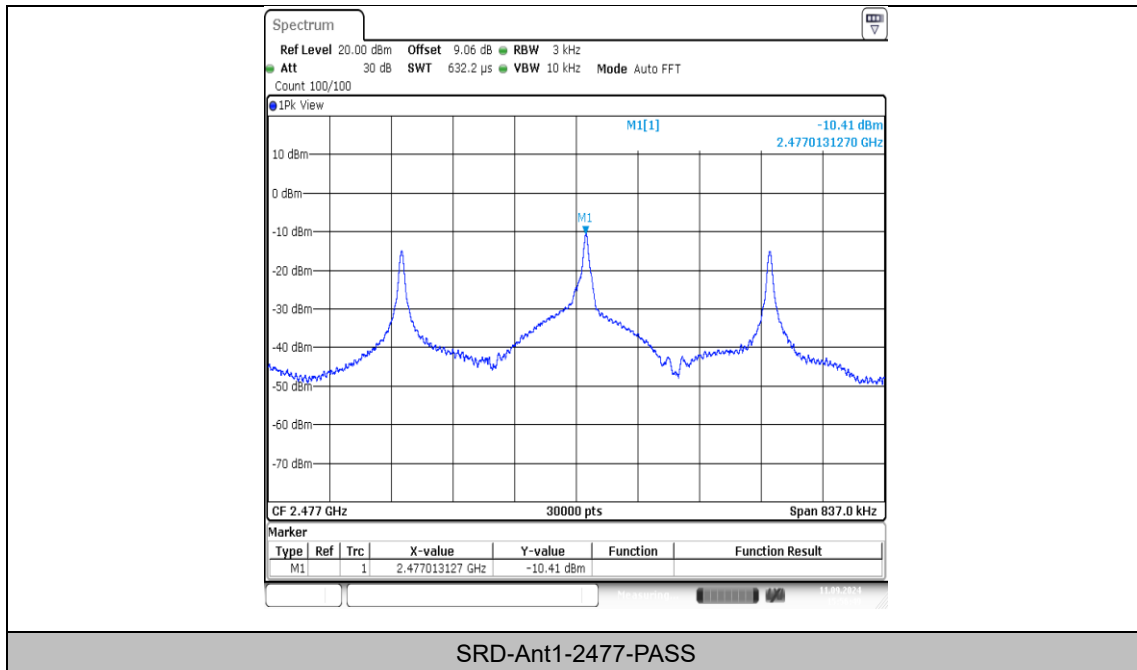
### Test Graphs



SRD-Ant1-2407-PASS



SRD-Ant1-2442-PASS



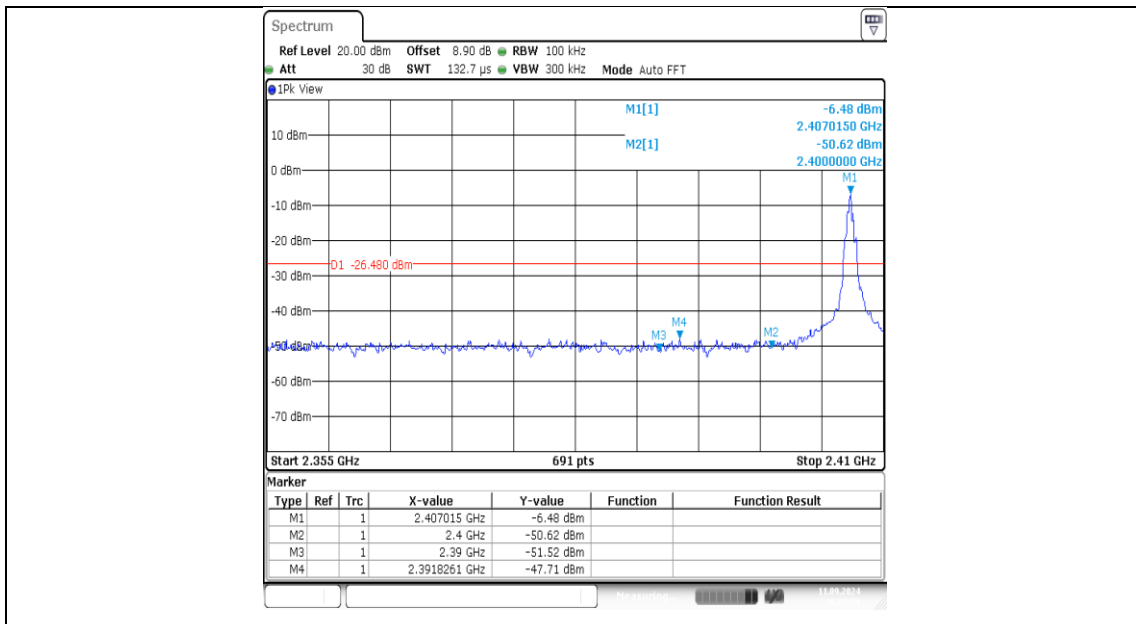
SRD-Ant1-2477-PASS

## Appendix E: Band edge measurements

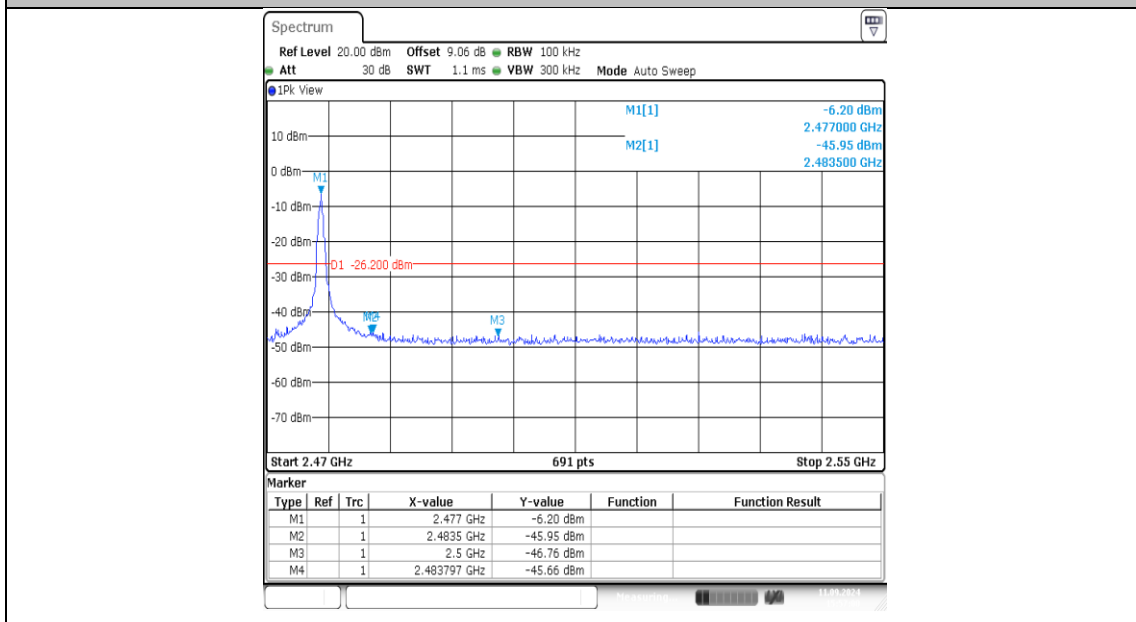
### Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	Low	2407	-6.48	-47.71	≤-26.48	PASS
SRD	Ant1	High	2477	-6.20	-45.66	≤-26.2	PASS

### Test Graphs



SRD-Ant1-2407-PASS



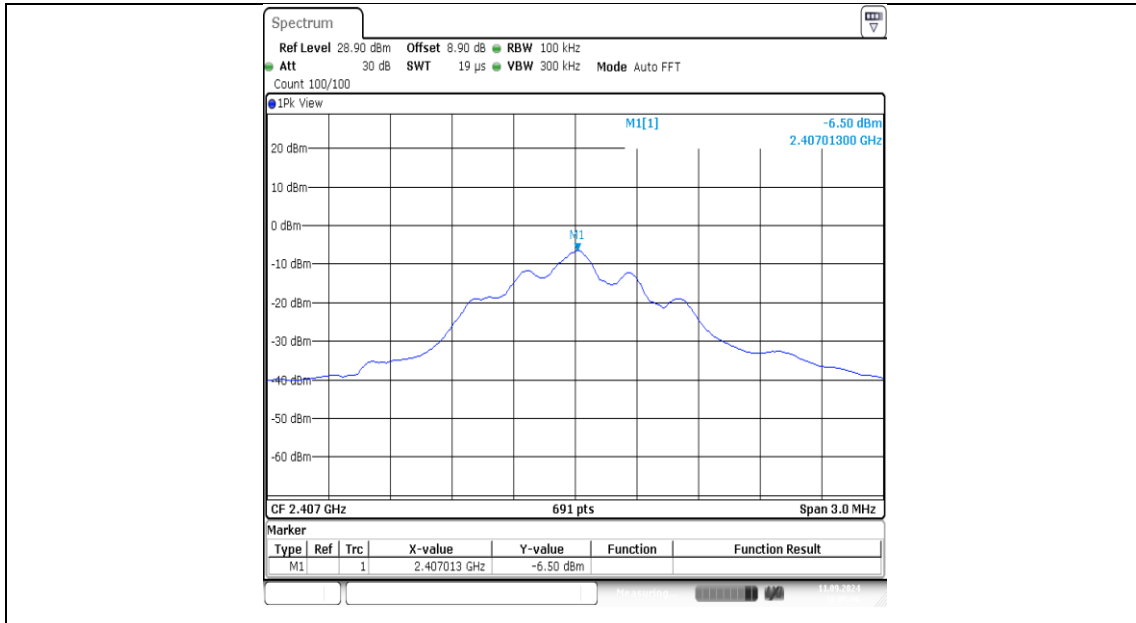
SRD-Ant1-2477-PASS

## Appendix F: Conducted Spurious Emission

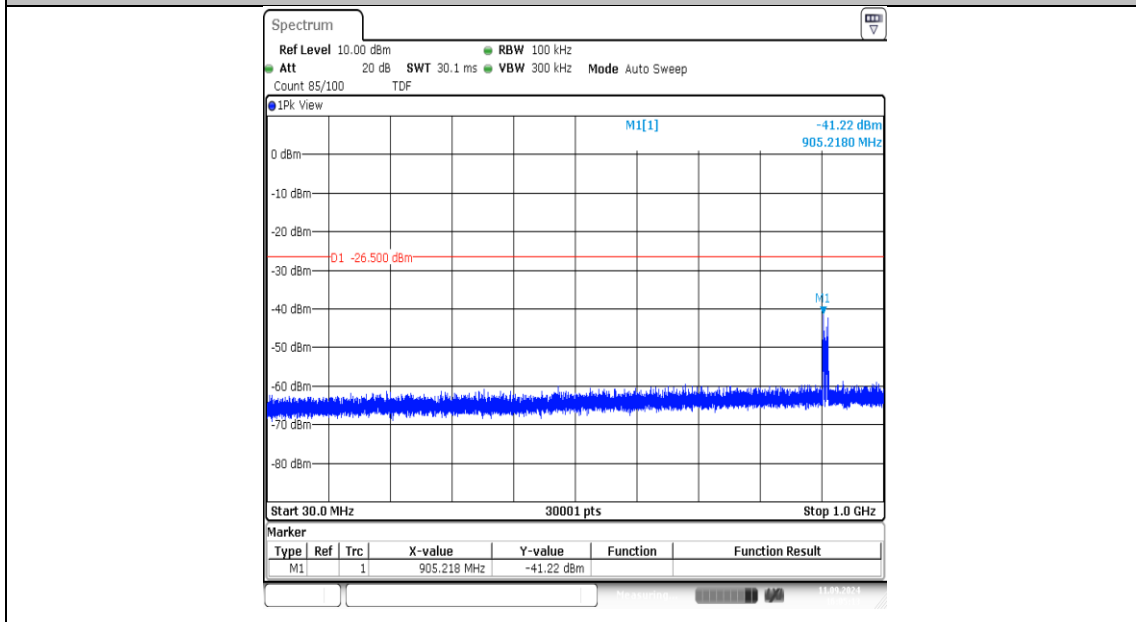
### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	2407	0~Reference	-6.50	-6.50	---	PASS
SRD	Ant1	2407	30~1000	-6.50	-41.22	≤-26.5	PASS
SRD	Ant1	2407	1000~26500	-6.50	-50.3	≤-26.5	PASS
SRD	Ant1	2442	0~Reference	-6.30	-6.30	---	PASS
SRD	Ant1	2442	30~1000	-6.30	-58.72	≤-26.3	PASS
SRD	Ant1	2442	1000~26500	-6.30	-42.2	≤-26.3	PASS
SRD	Ant1	2477	0~Reference	-6.16	-6.16	---	PASS
SRD	Ant1	2477	30~1000	-6.16	-58.97	≤-26.16	PASS
SRD	Ant1	2477	1000~26500	-6.16	-50.6	≤-26.16	PASS

### Test Graphs

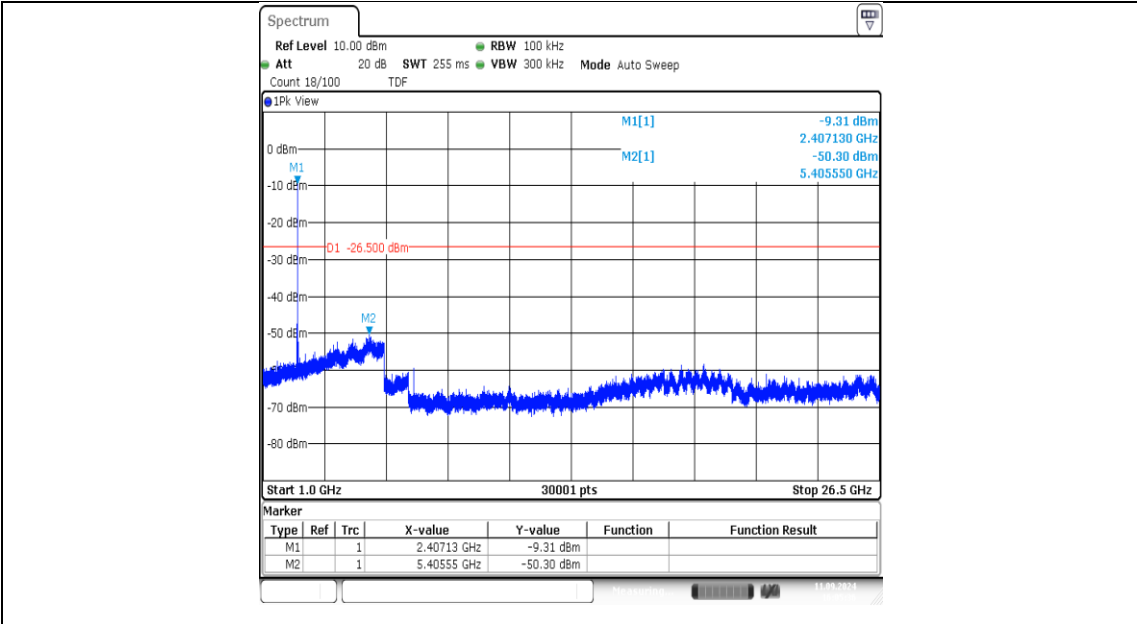


SRD-Ant1-2407-0~Reference-PASS

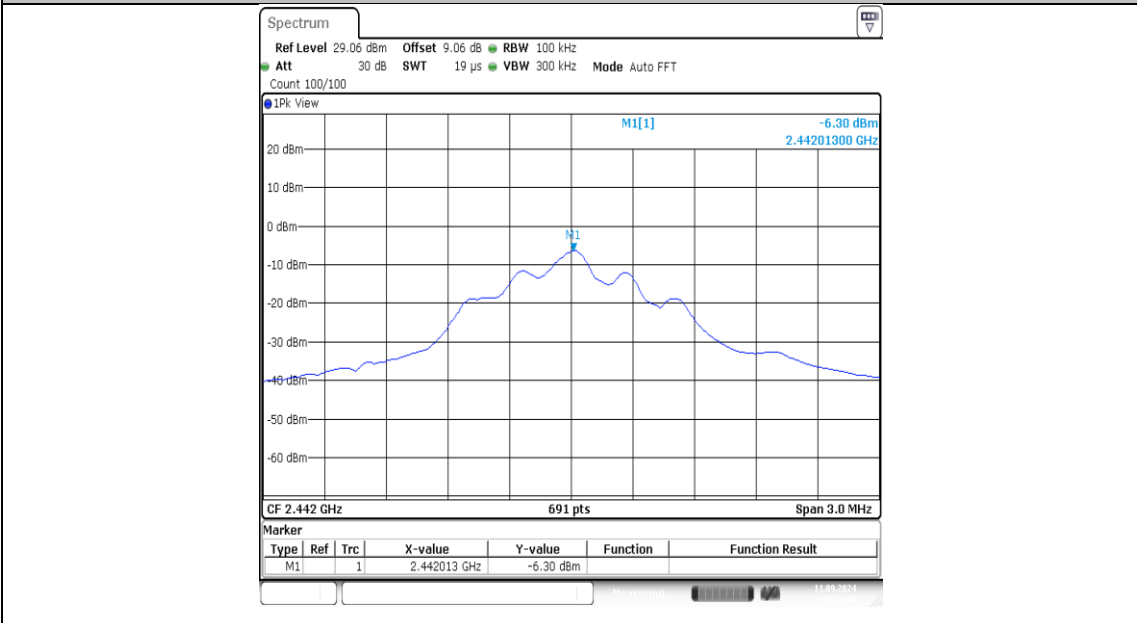


SRD-Ant1-2407-30~1000-PASS

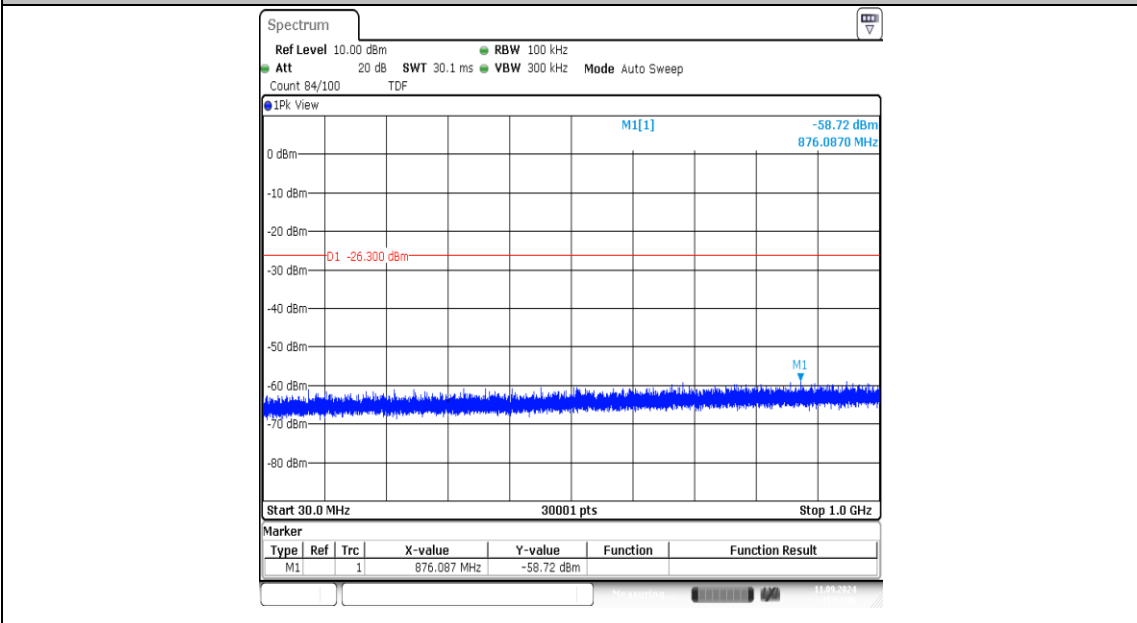




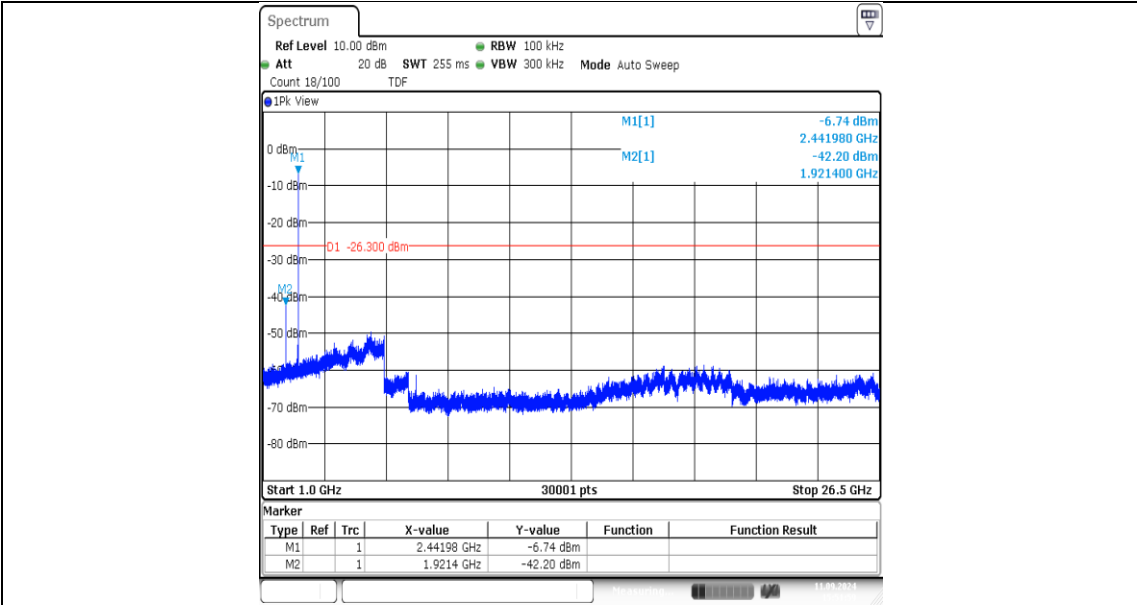
SRD-Ant1-2407-1000~26500-PASS



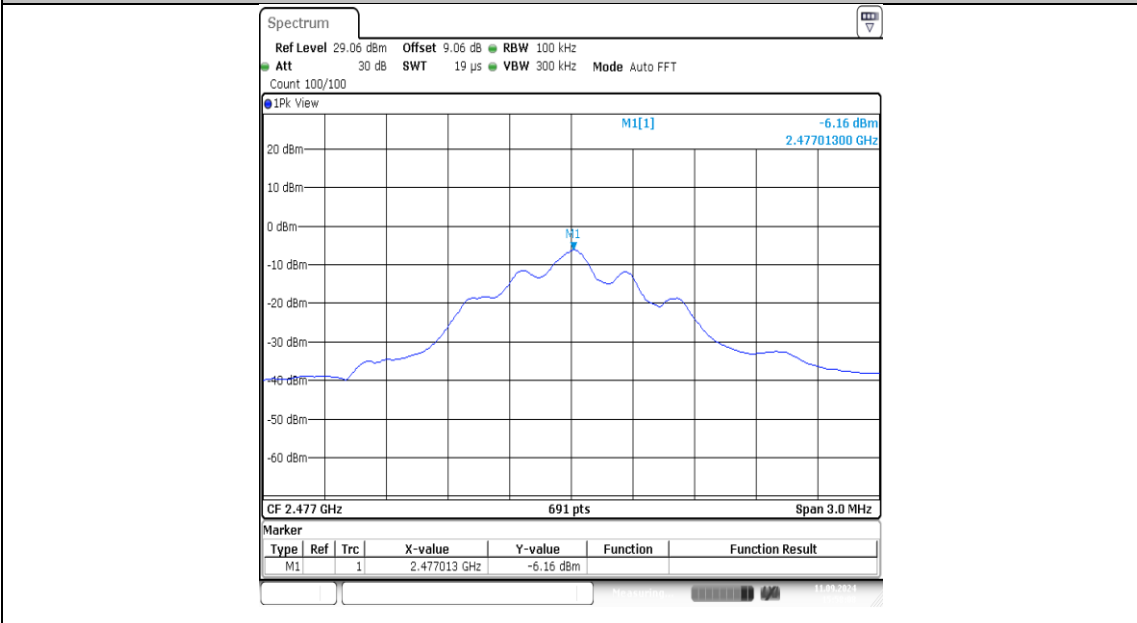
SRD-Ant1-2442-0~Reference-PASS



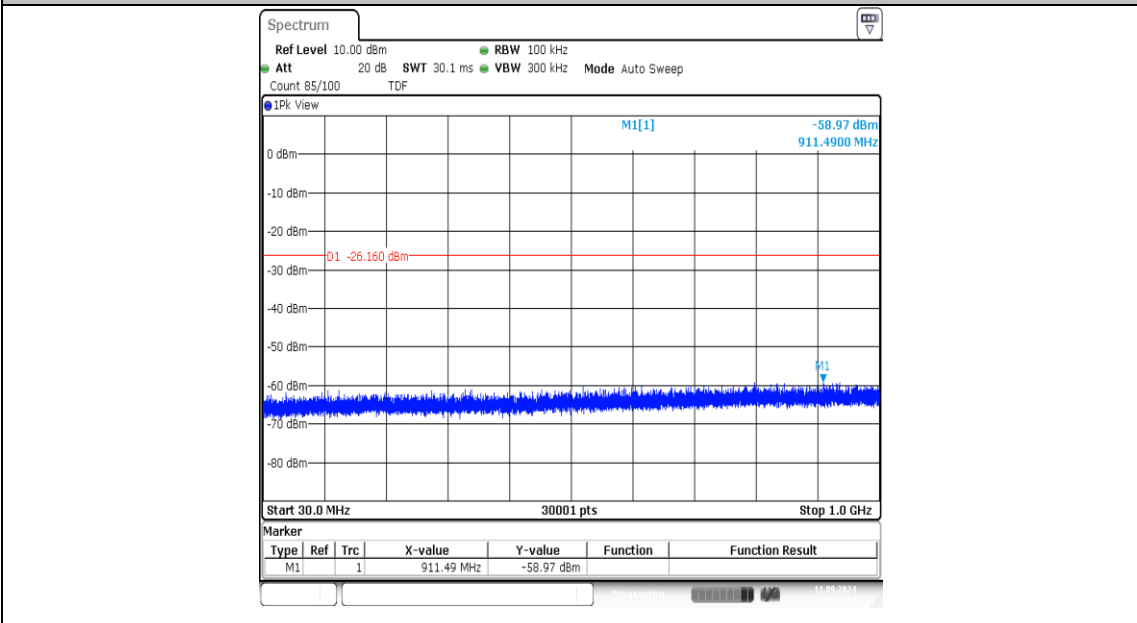
SRD-Ant1-2442-30~1000-PASS



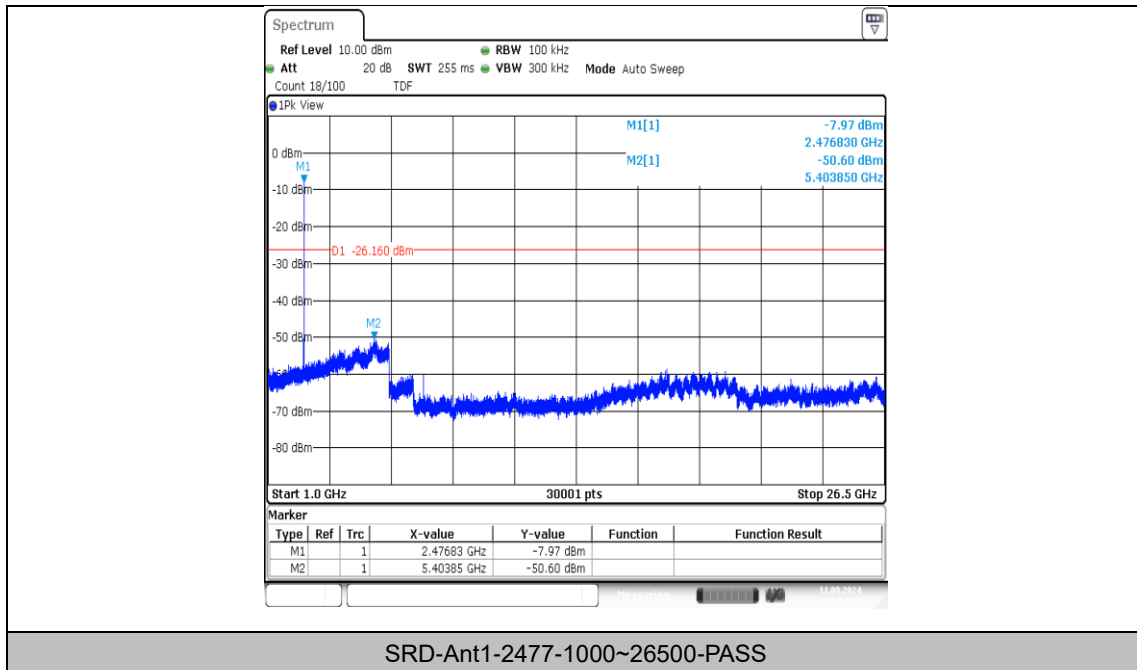
SRD-Ant1-2442-1000~26500-PASS



SRD-Ant1-2477-0~Reference-PASS



SRD-Ant1-2477-30~1000-PASS

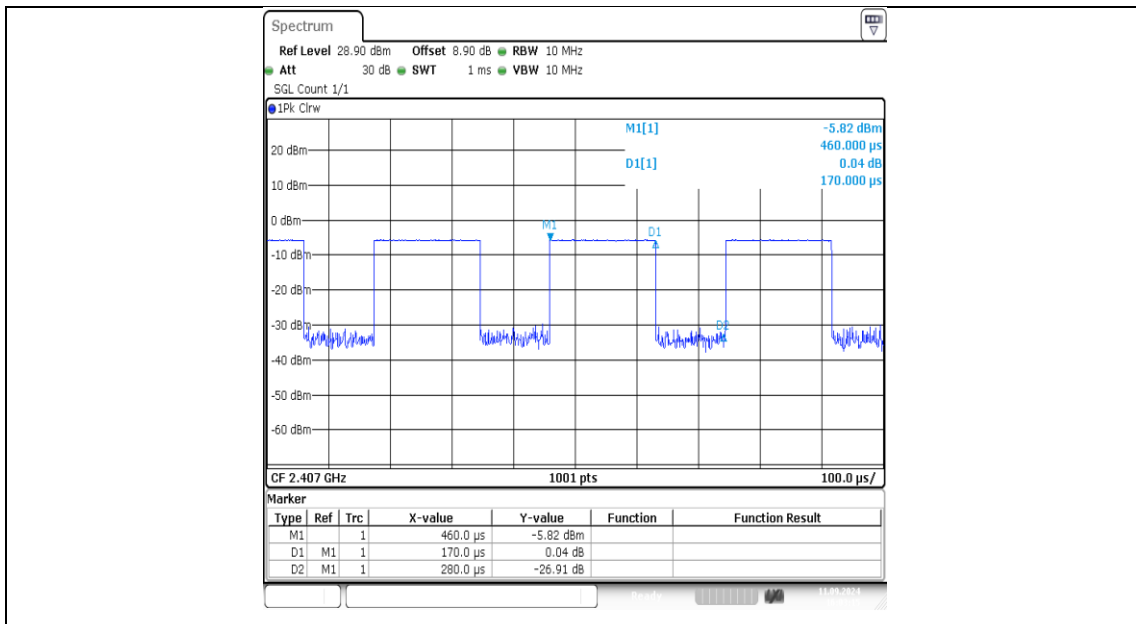


## Appendix G: Duty Cycle

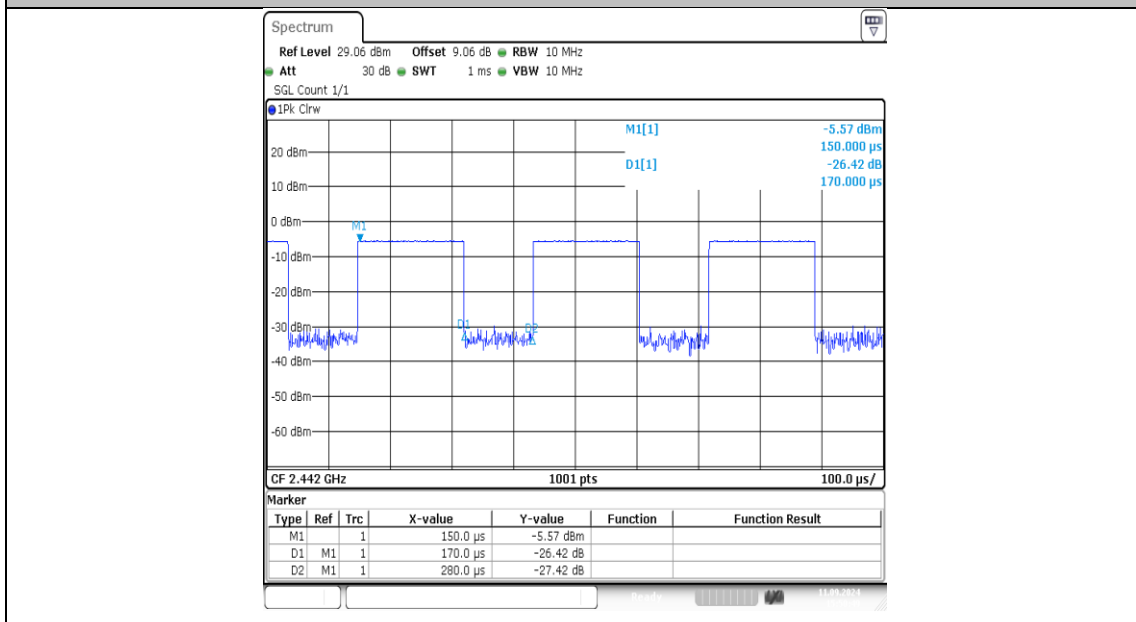
### Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
SRD	Ant1	2407	0.17	0.28	60.71	2.17
SRD	Ant1	2442	0.17	0.28	60.71	2.17
SRD	Ant1	2477	0.17	0.28	60.71	2.17

### Test Graphs



NTNV-SRD-Ant1-2407



NTNV-SRD-Ant1-2442

