

Appendix Test Data for BLE (Conducted Measurement)

Product Name: GravaStar Wireless 8K Receiver

Trade Mark: GravaStar

Test Model: GravaStar 8K

FCC ID: 2ASXF-8K

Environmental Conditions

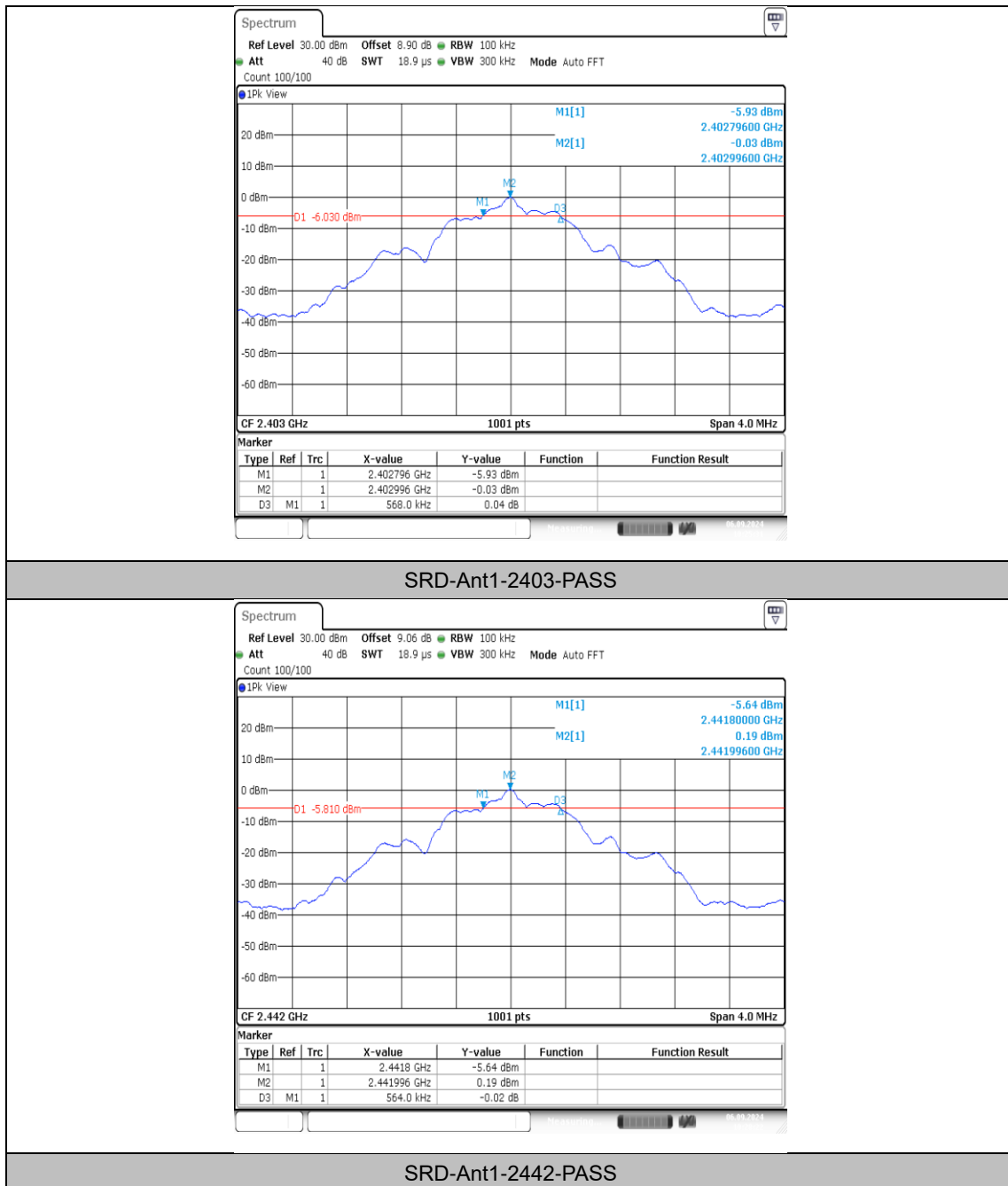
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

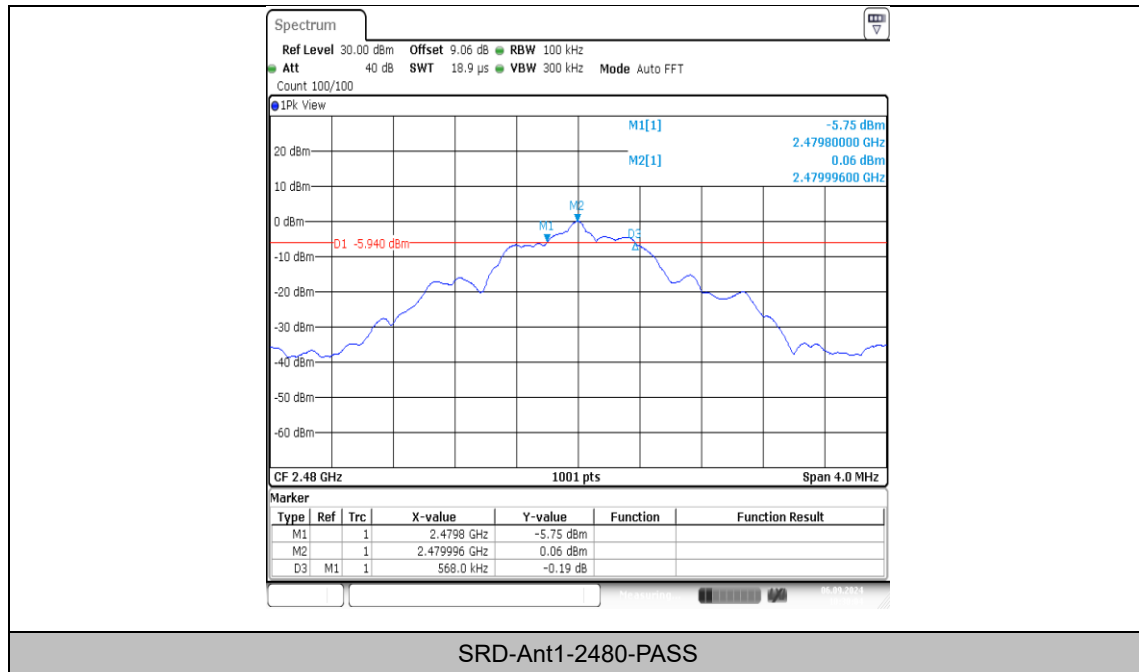
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2403	0.57	2402.80	2403.36	0.5	PASS
SRD	Ant1	2442	0.56	2441.80	2442.36	0.5	PASS
SRD	Ant1	2480	0.57	2479.80	2480.37	0.5	PASS

Test Graphs



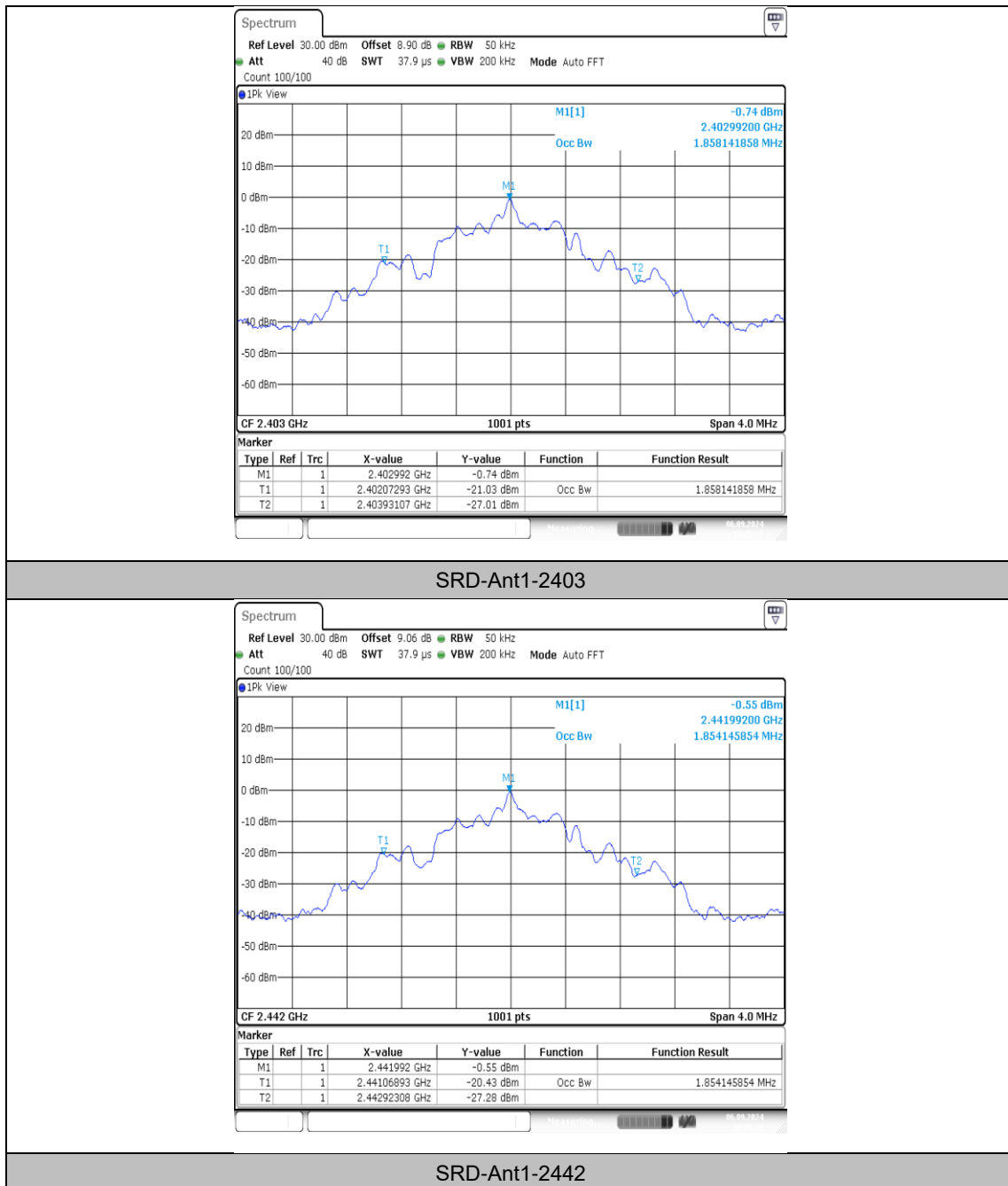


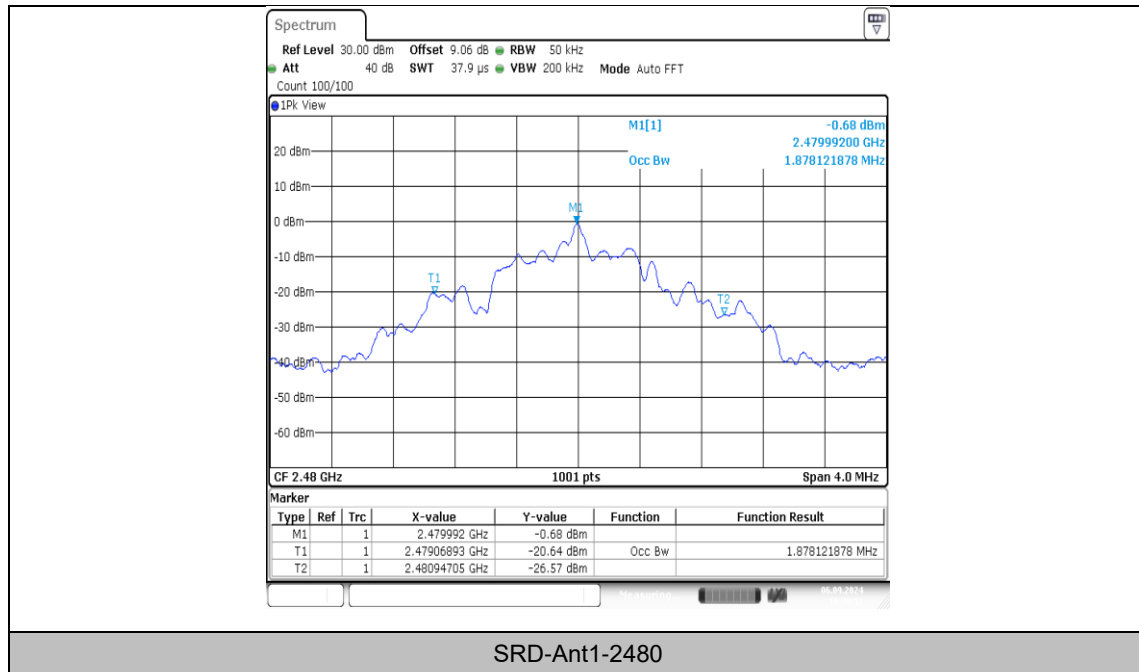
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2403	1.858	2402.0729	2403.9311	---	---
SRD	Ant1	2442	1.854	2441.0689	2442.9231	---	---
SRD	Ant1	2480	1.878	2479.0689	2480.9471	---	---

Test Graphs



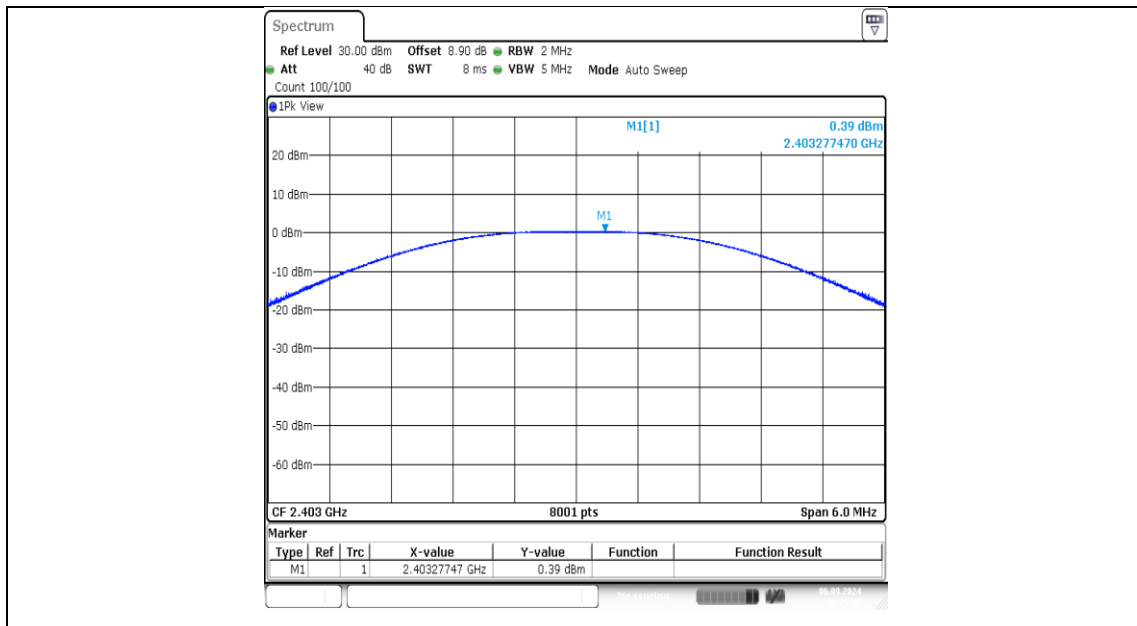


Appendix C: Maximum peak conducted output power

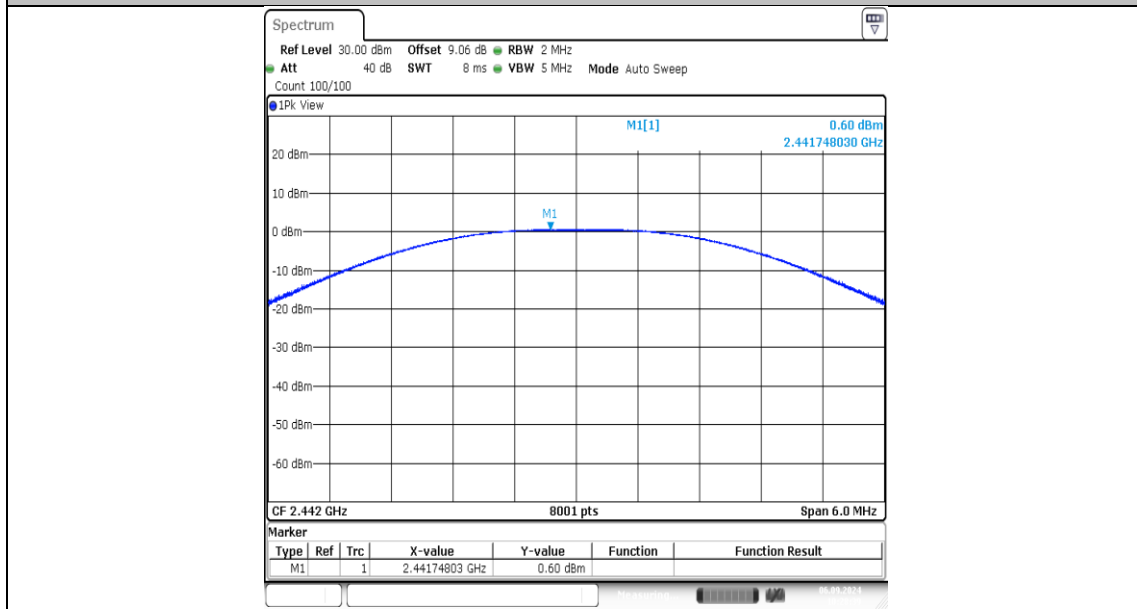
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
SRD	Ant1	2403	0.39	≤30	PASS
SRD	Ant1	2442	0.60	≤30	PASS
SRD	Ant1	2480	0.54	≤30	PASS

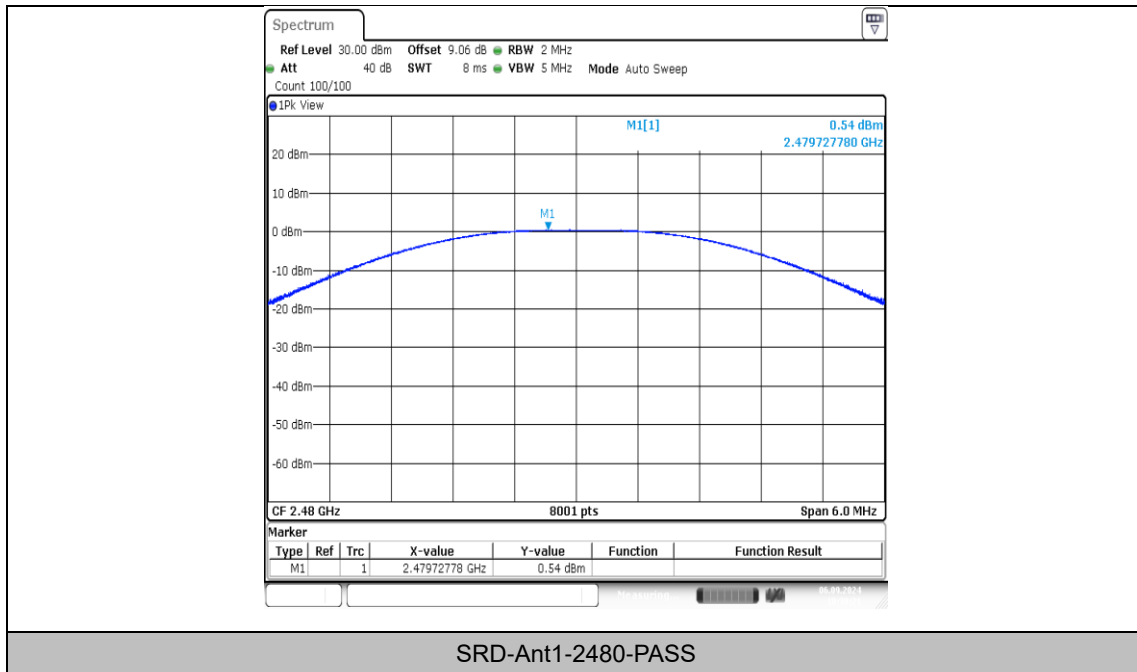
Test Graphs Peak



SRD-Ant1-2403-PASS



SRD-Ant1-2442-PASS

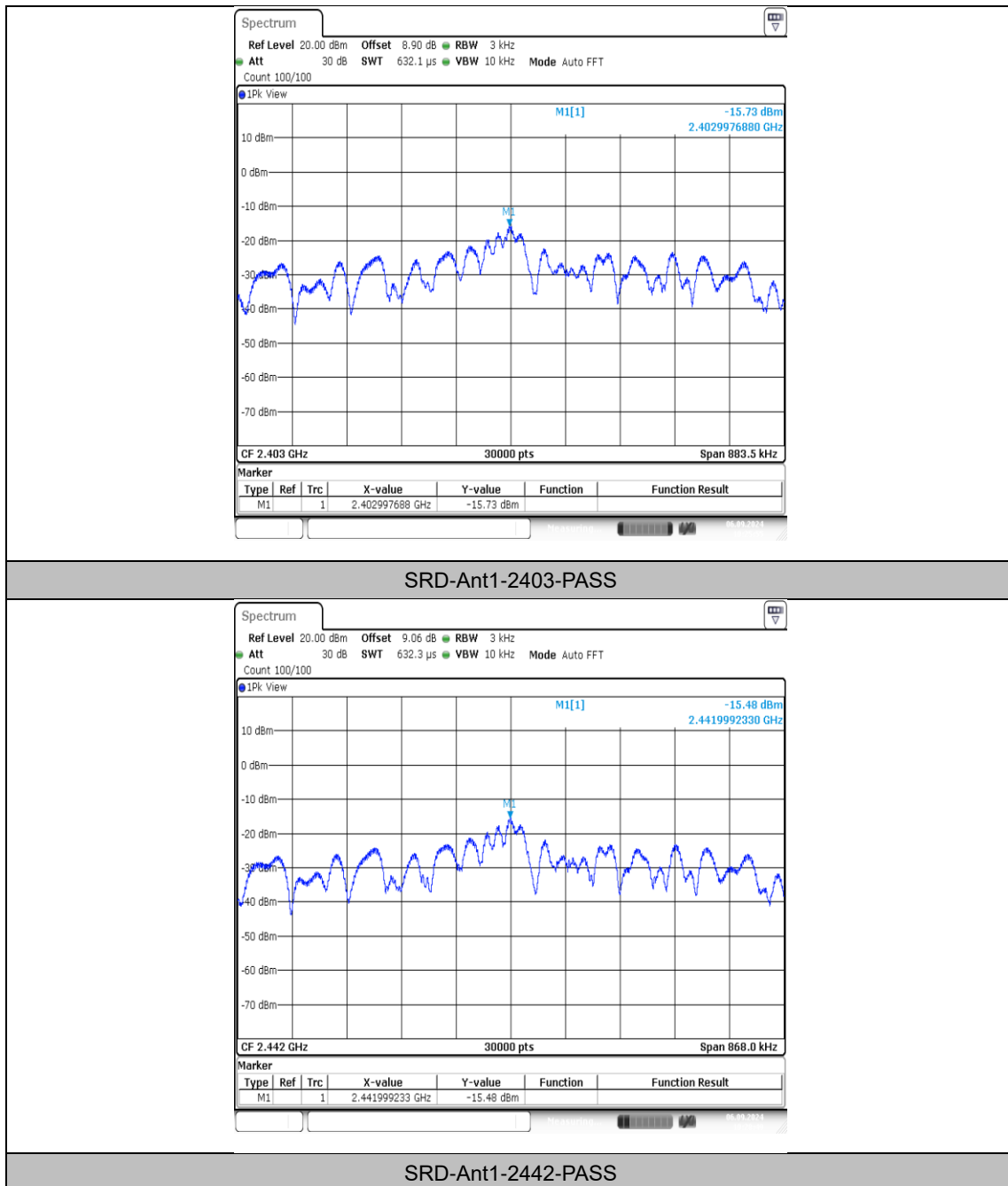


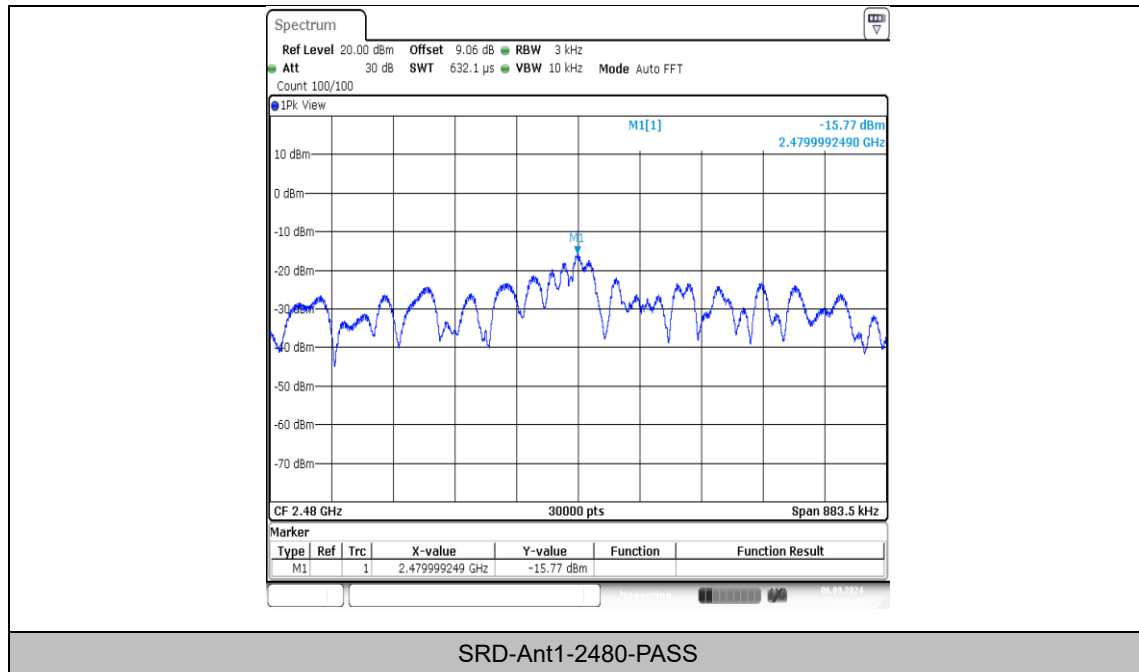
Appendix D: Maximum peak power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
SRD	Ant1	2403	-15.73	≤8.00	PASS
SRD	Ant1	2442	-15.48	≤8.00	PASS
SRD	Ant1	2480	-15.77	≤8.00	PASS

Test Graphs



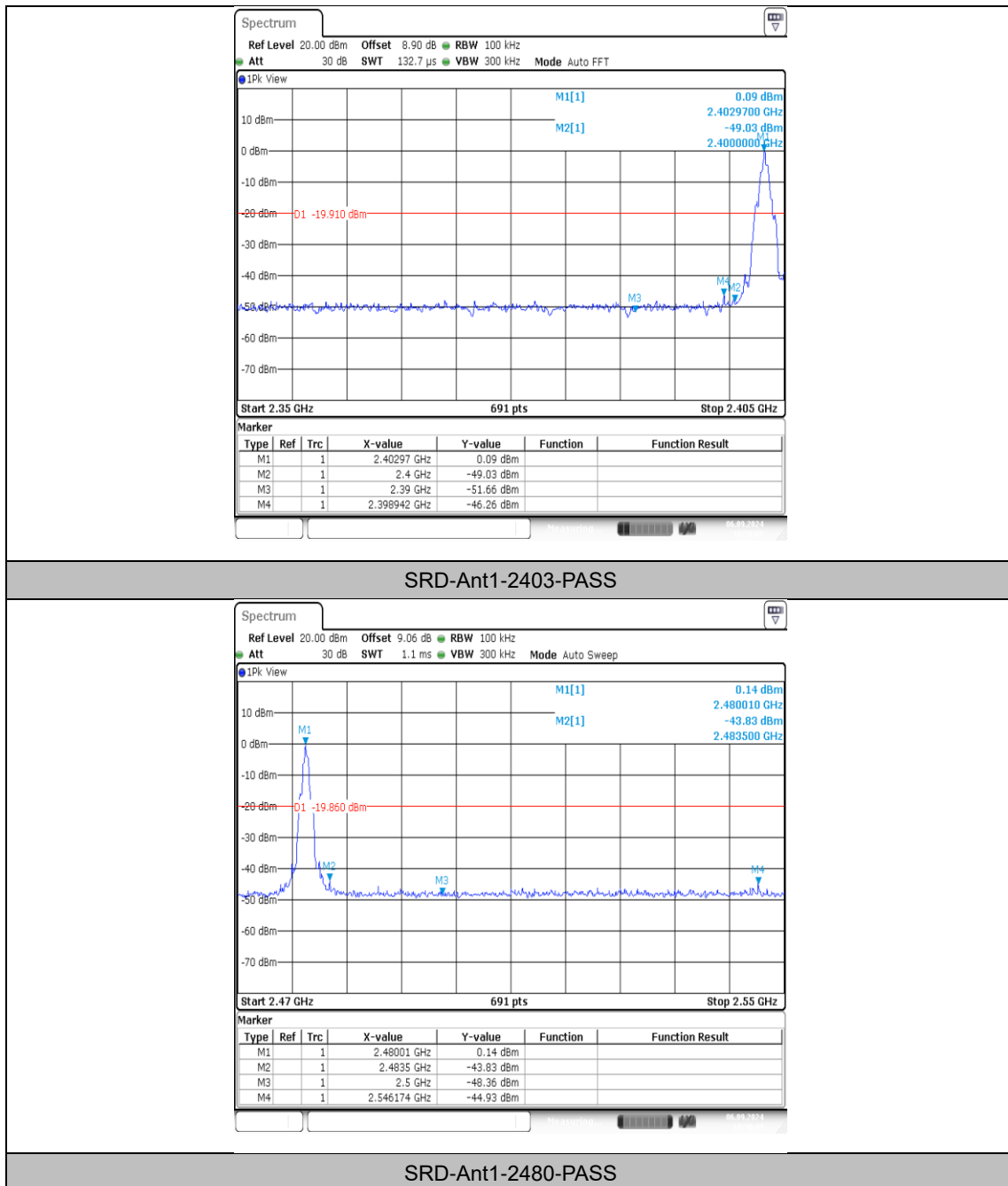


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	Low	2403	0.09	-46.26	≤-19.91	PASS
SRD	Ant1	High	2480	0.14	-44.93	≤-19.86	PASS

Test Graphs

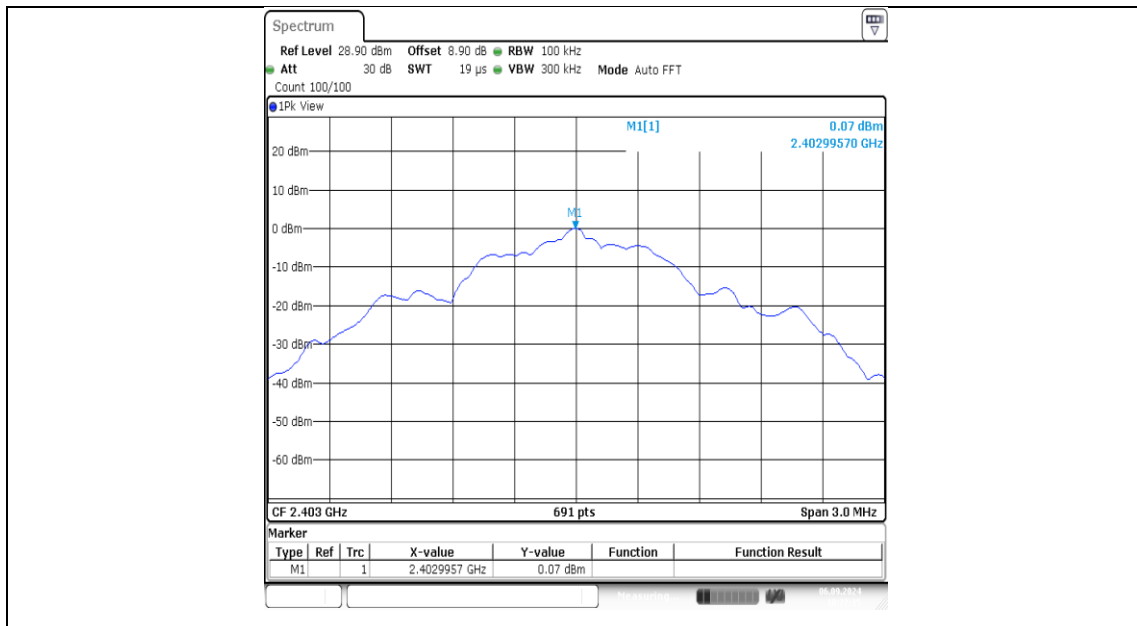


Appendix F: Conducted Spurious Emission

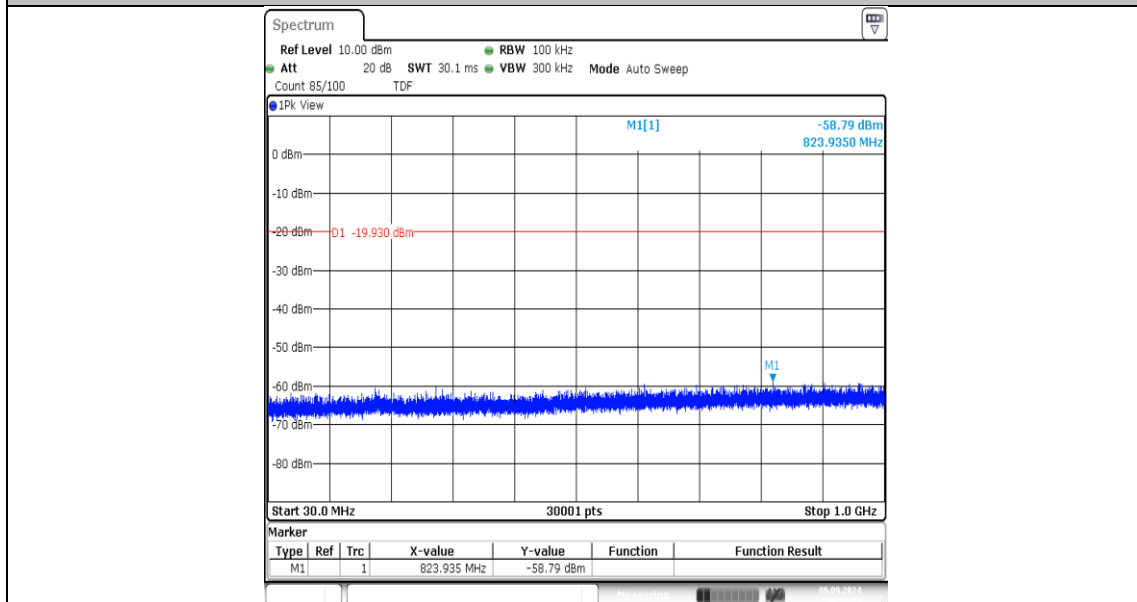
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	2403	0~Reference	0.07	0.07	---	PASS
SRD	Ant1	2403	30~1000	0.07	-58.79	≤-19.93	PASS
SRD	Ant1	2403	1000~26500	0.07	-47.26	≤-19.93	PASS
SRD	Ant1	2442	0~Reference	0.27	0.27	---	PASS
SRD	Ant1	2442	30~1000	0.27	-59	≤-19.73	PASS
SRD	Ant1	2442	1000~26500	0.27	-47.46	≤-19.73	PASS
SRD	Ant1	2480	0~Reference	0.11	0.11	---	PASS
SRD	Ant1	2480	30~1000	0.11	-59.02	≤-19.89	PASS
SRD	Ant1	2480	1000~26500	0.11	-47.96	≤-19.89	PASS

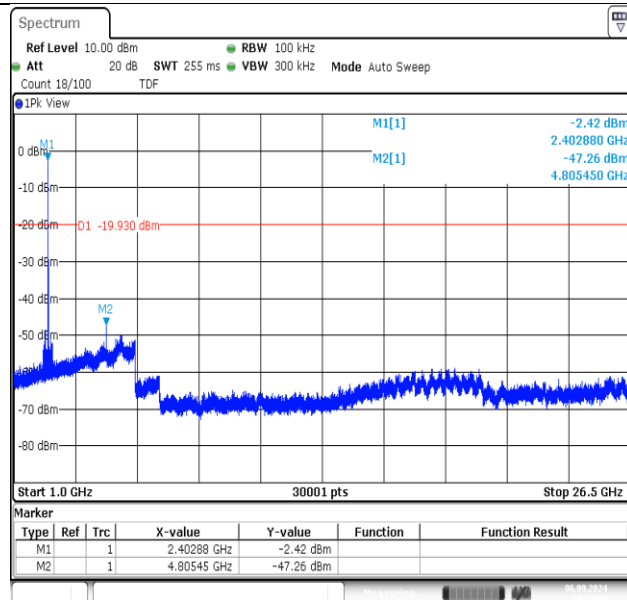
Test Graphs



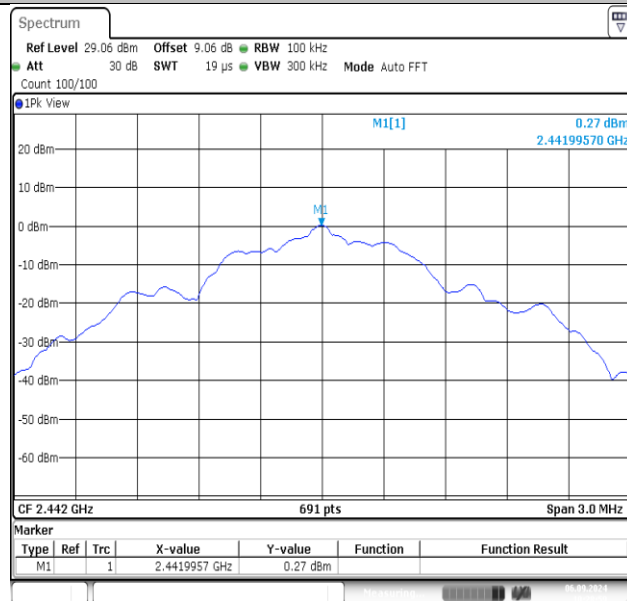
SRD-Ant1-2403-0~Reference-PASS



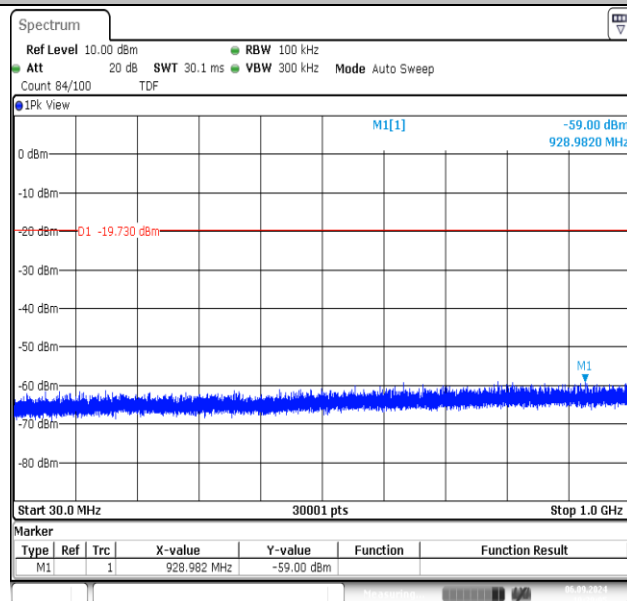
SRD-Ant1-2403-30~1000-PASS



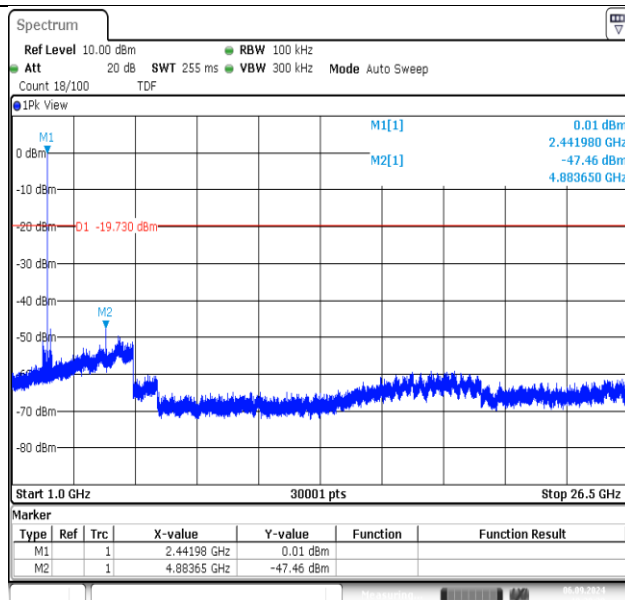
SRD-Ant1-2403-1000~26500-PASS



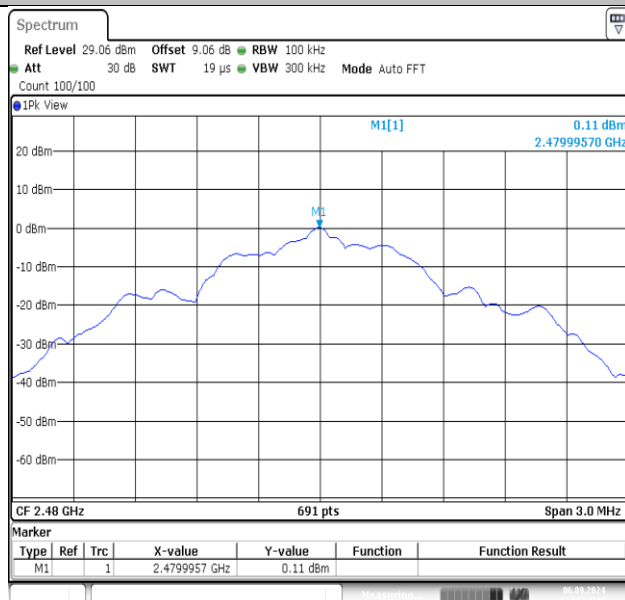
SRD-Ant1-2442-0~Reference-PASS



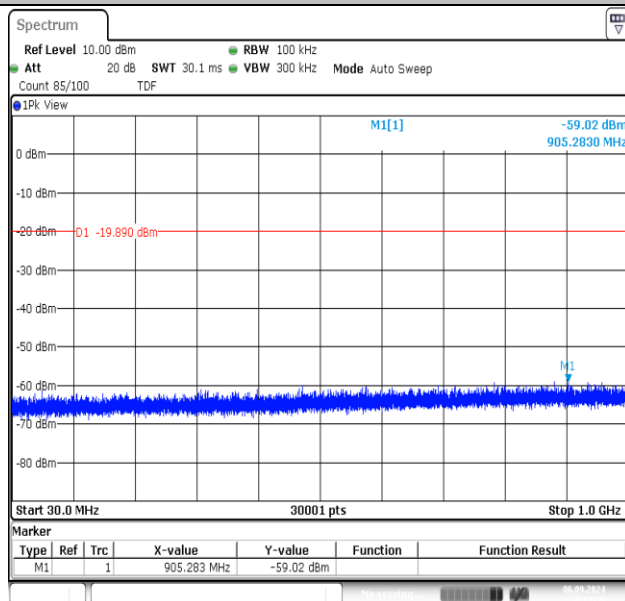
SRD-Ant1-2442-30~1000-PASS



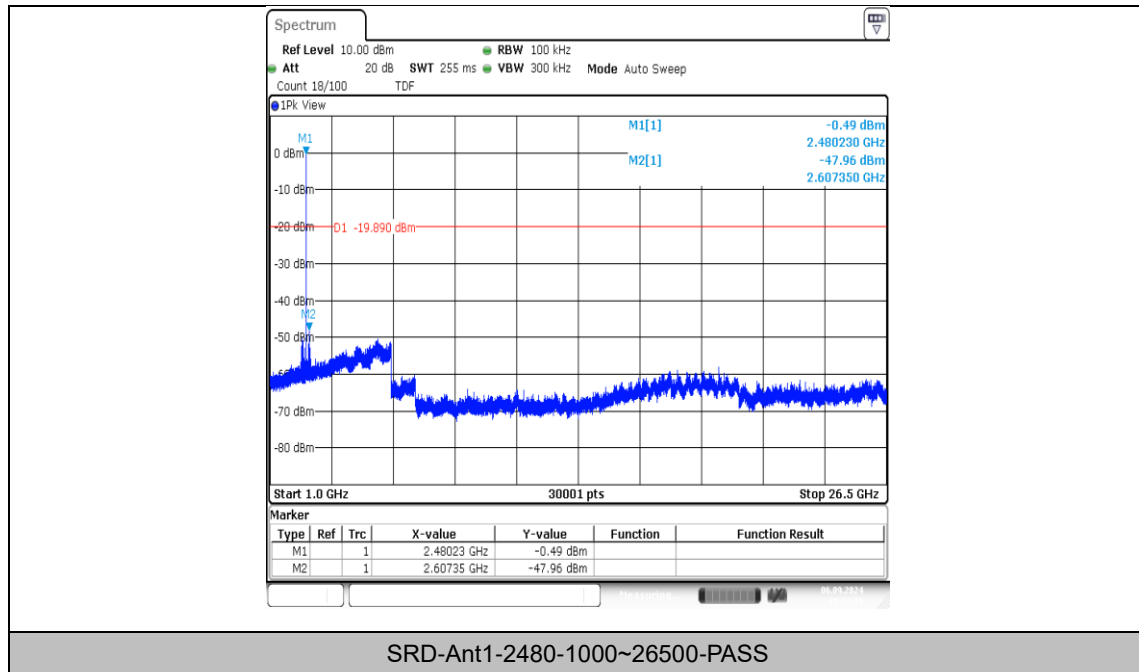
SRD-Ant1-2442-1000~26500-PASS



SRD-Ant1-2480-0~Reference-PASS



SRD-Ant1-2480-30~1000-PASS



Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2403	0.07	0.19	36.84	4.34
BLE_1M	Ant1	2442	0.07	0.19	36.84	4.34
BLE_1M	Ant1	2480	0.08	0.19	42.11	3.76

Test Graphs

