

Appendix Test Data

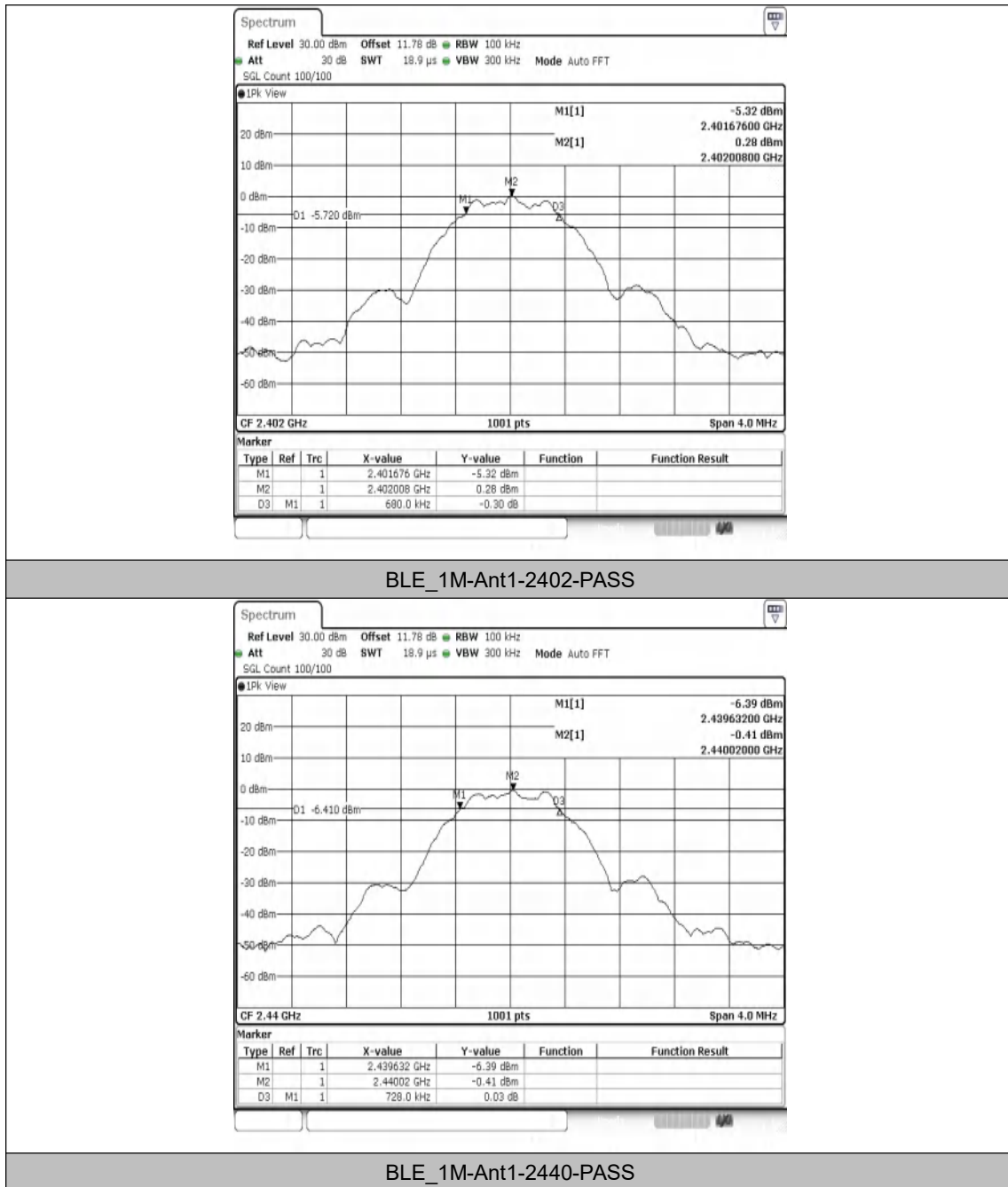
Report No.:	1812C50060212501	Test Sample No.:	1-2-2
Start Test Date:	2025.2.26	Finish Test Date:	2025.2.27
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	20.3°C	Relative Humidity:	50%
Pressure:	101kPa		

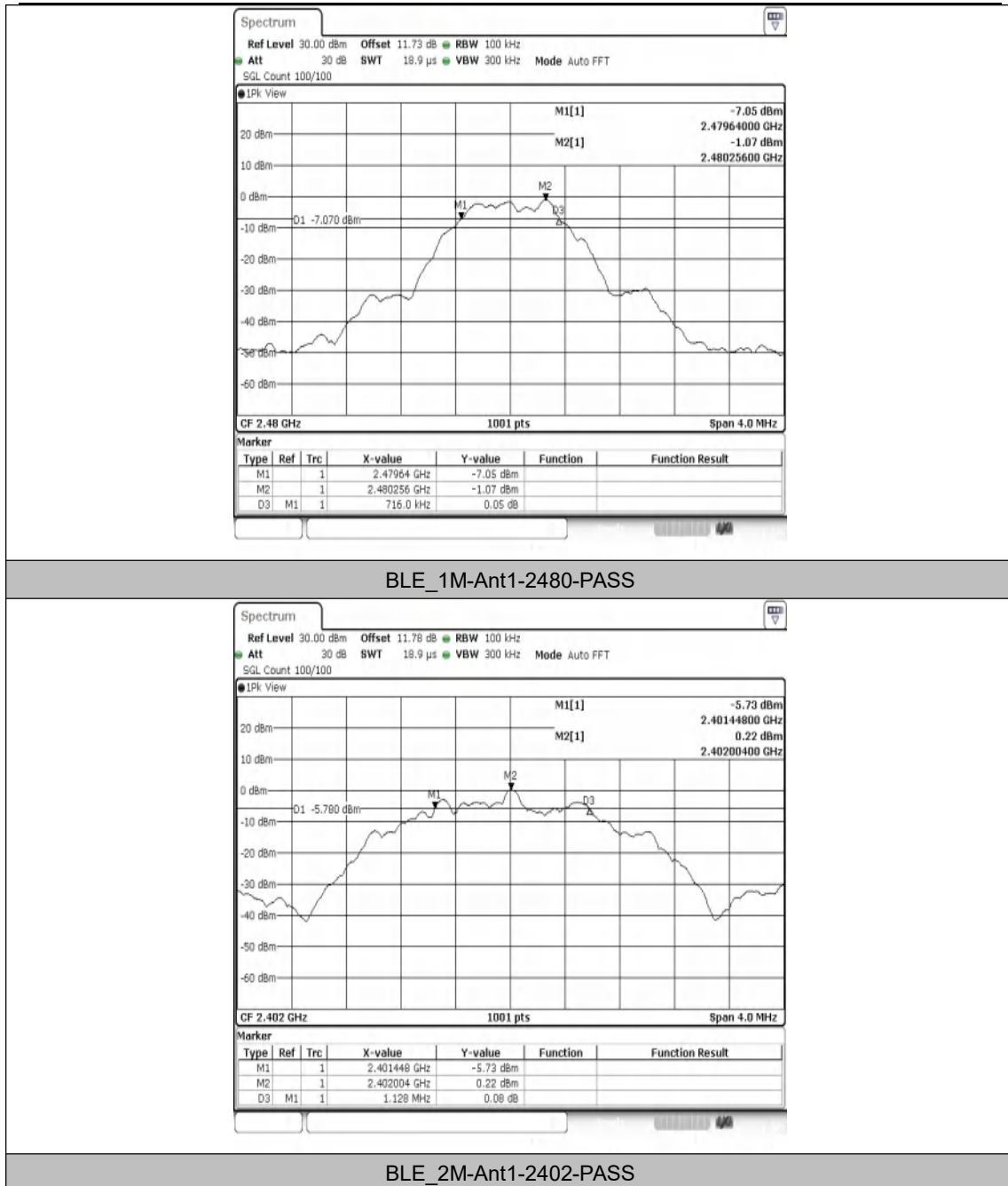
Appendix A: 6dB Bandwidth

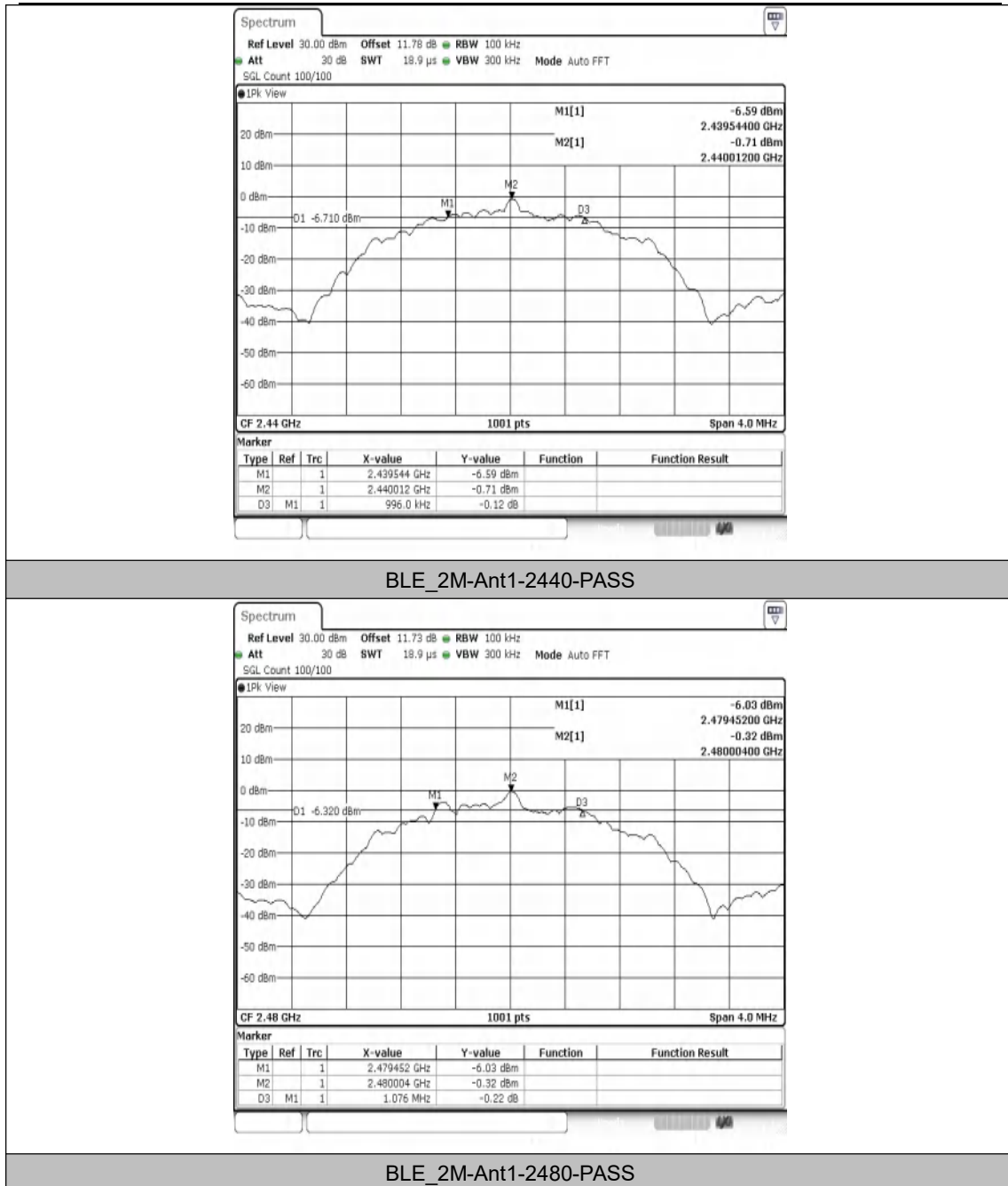
Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.68	2401.68	2402.36	0.5	PASS
BLE_1M	Ant1	2440	0.73	2439.63	2440.36	0.5	PASS
BLE_1M	Ant1	2480	0.72	2479.64	2480.36	0.5	PASS
BLE_2M	Ant1	2402	1.13	2401.45	2402.58	0.5	PASS
BLE_2M	Ant1	2440	1.00	2439.54	2440.54	0.5	PASS
BLE_2M	Ant1	2480	1.08	2479.45	2480.53	0.5	PASS

Test Graphs





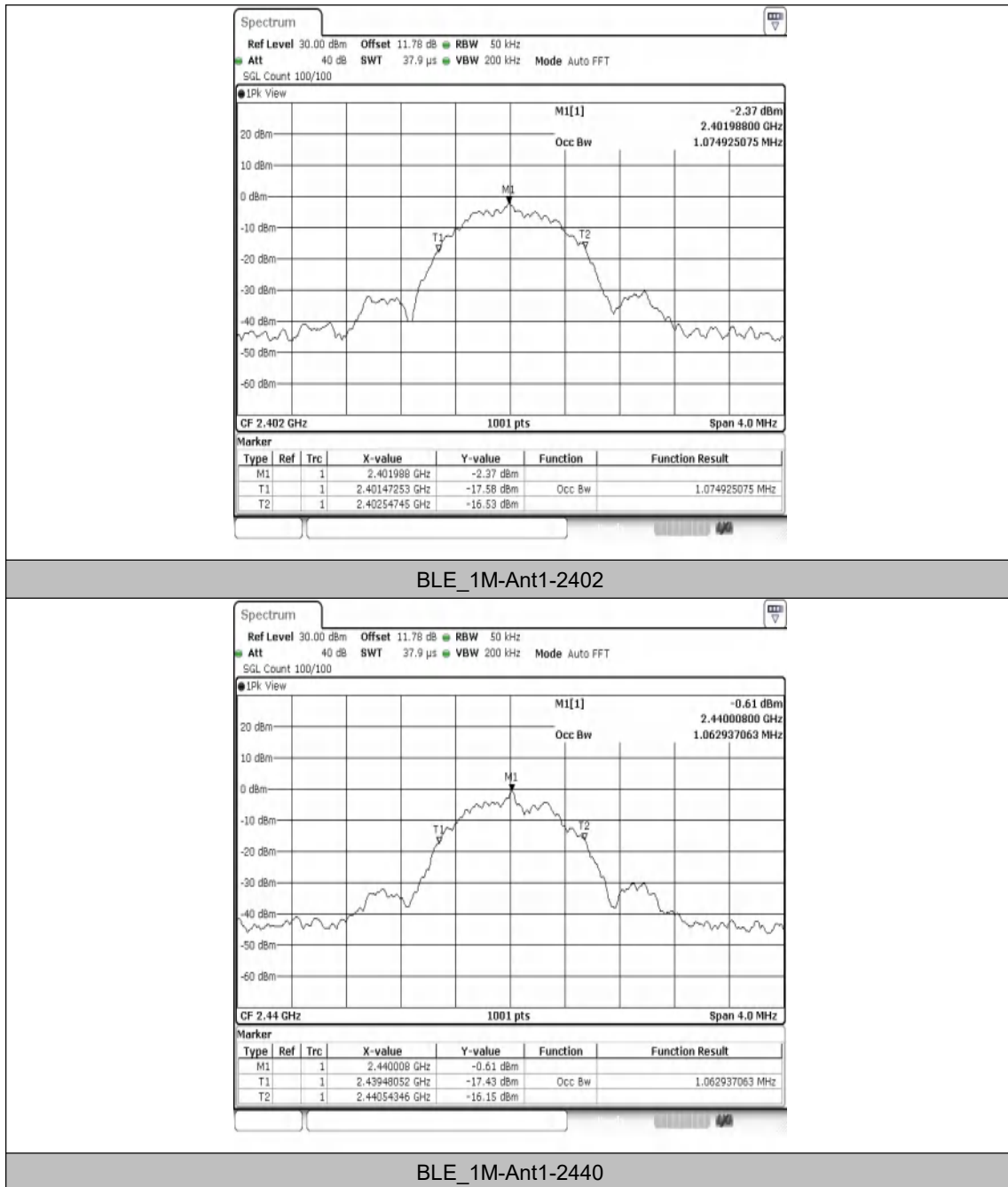


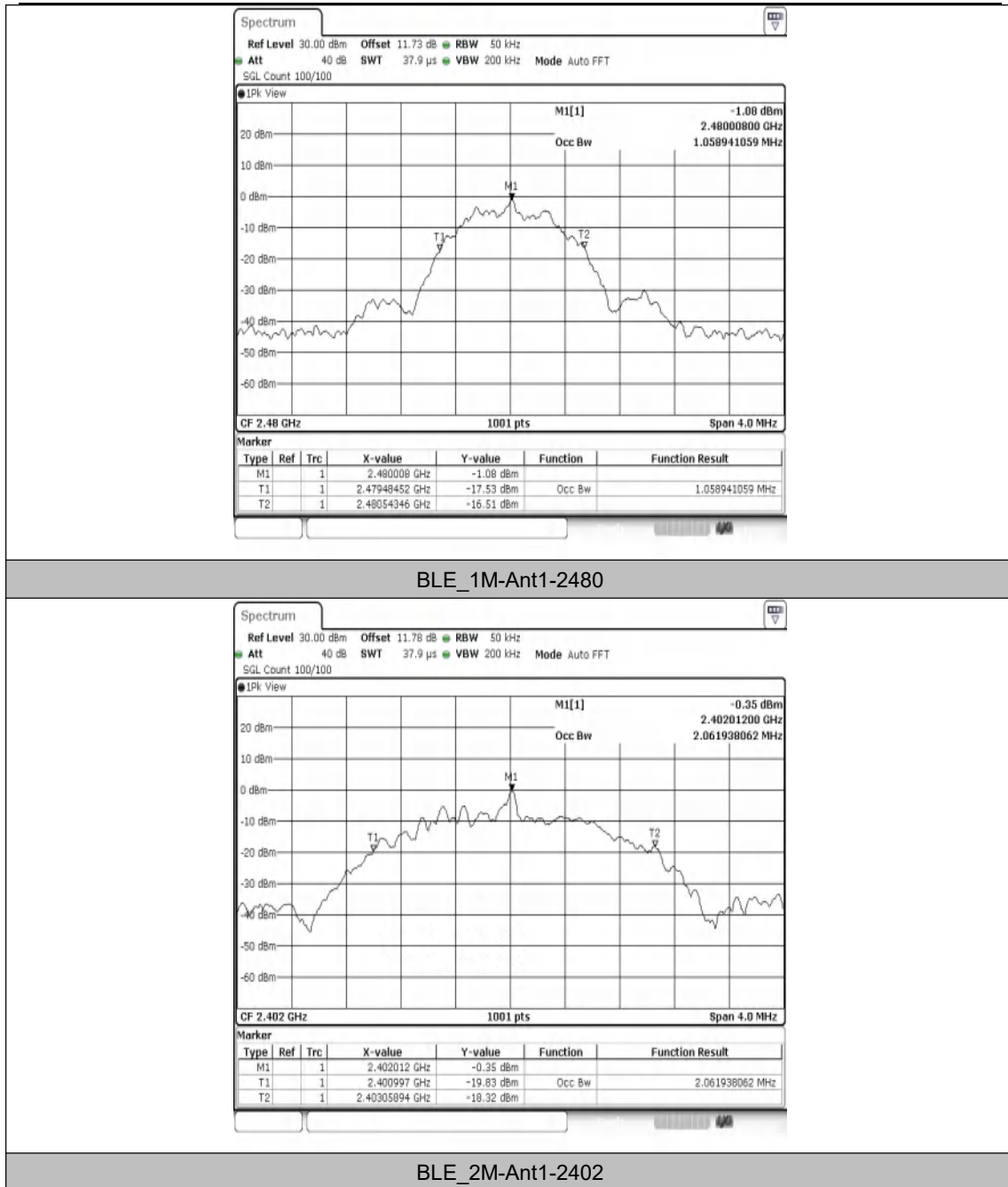
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.075	2401.4725	2402.5475	---	---
BLE_1M	Ant1	2440	1.063	2439.4805	2440.5435	---	---
BLE_1M	Ant1	2480	1.059	2479.4845	2480.5435	---	---
BLE_2M	Ant1	2402	2.062	2400.9970	2403.0589	---	---
BLE_2M	Ant1	2440	2.078	2438.9930	2441.0709	---	---
BLE_2M	Ant1	2480	2.07	2478.9890	2481.0589	---	---

Test Graphs

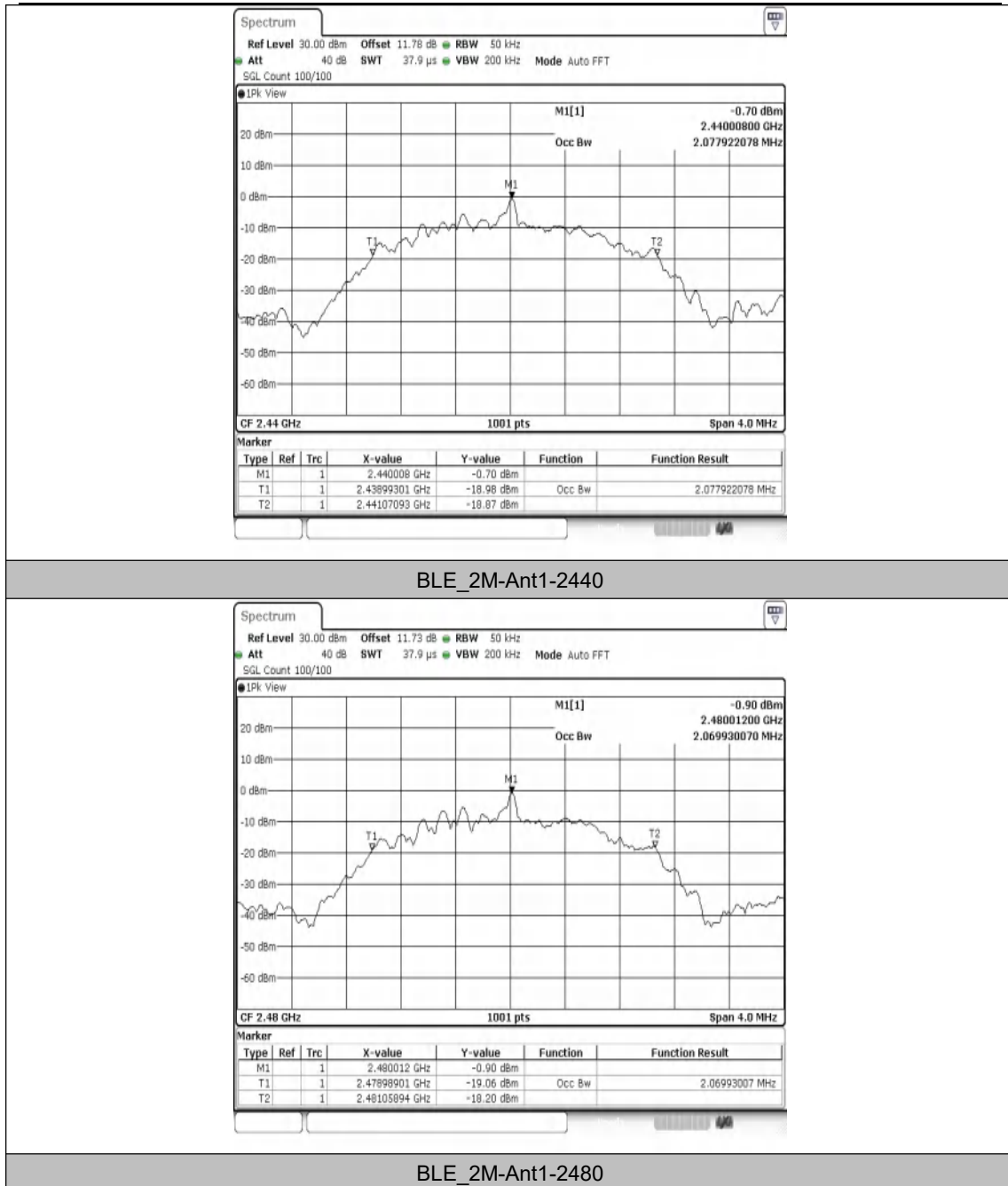




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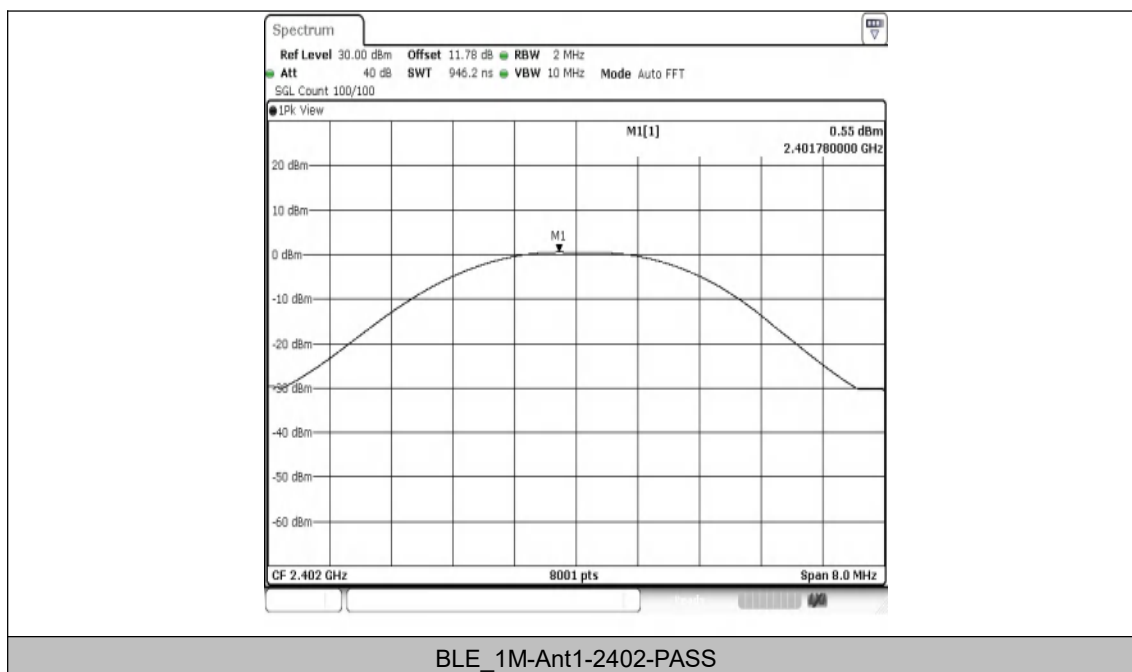


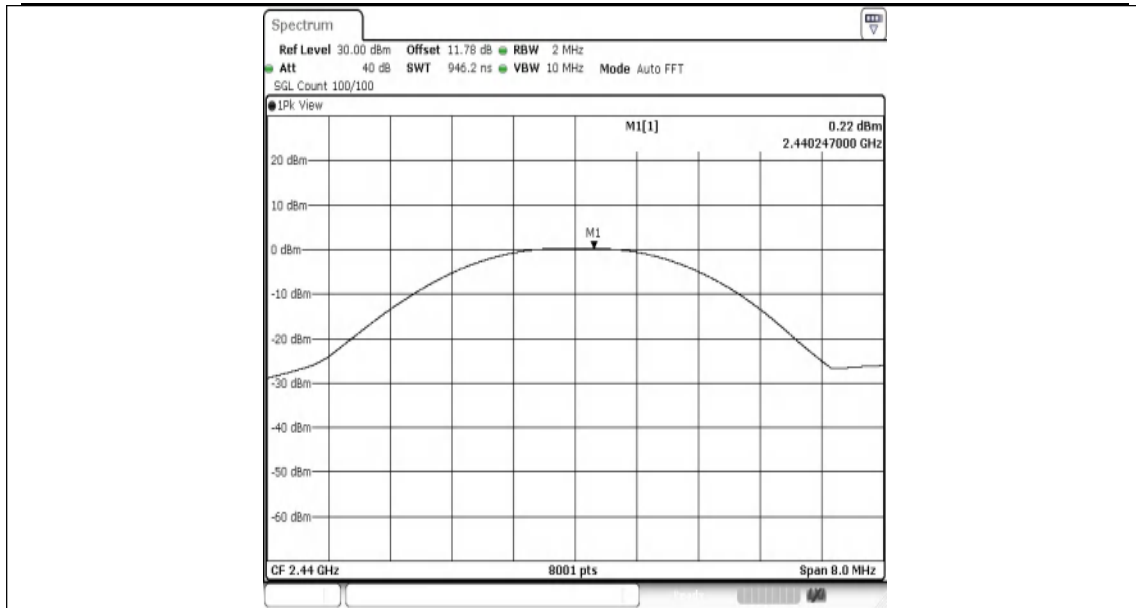
Appendix C: Maximum conducted output power

Test Result Peak

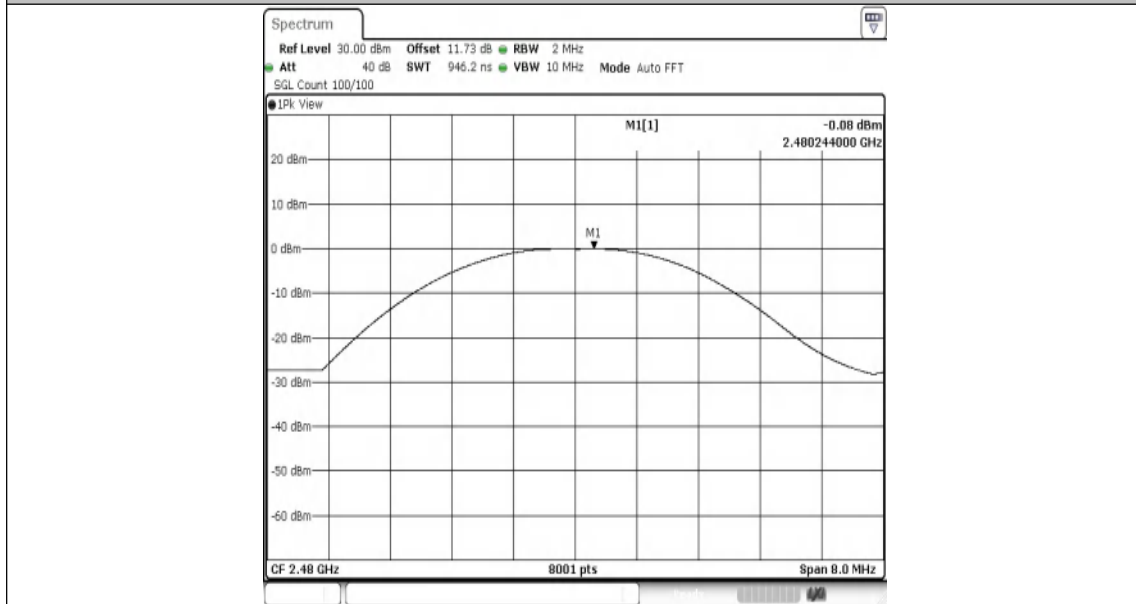
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.55	≤30	PASS
BLE_1M	Ant1	2440	0.22	≤30	PASS
BLE_1M	Ant1	2480	-0.08	≤30	PASS
BLE_2M	Ant1	2402	0.46	≤30	PASS
BLE_2M	Ant1	2440	0.20	≤30	PASS
BLE_2M	Ant1	2480	-0.14	≤30	PASS

Test Graphs Peak

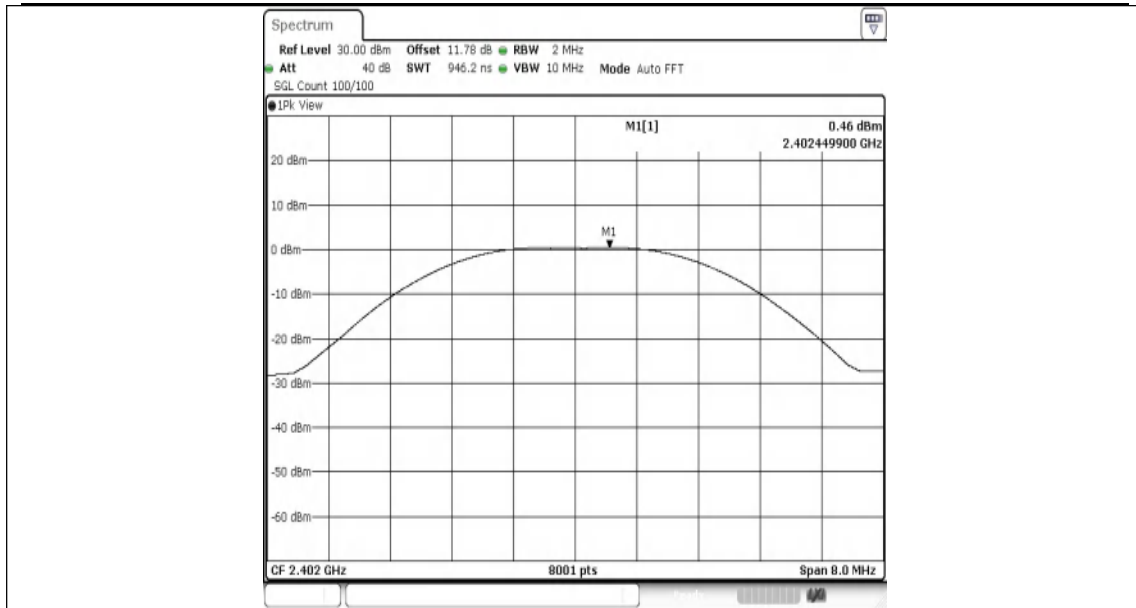




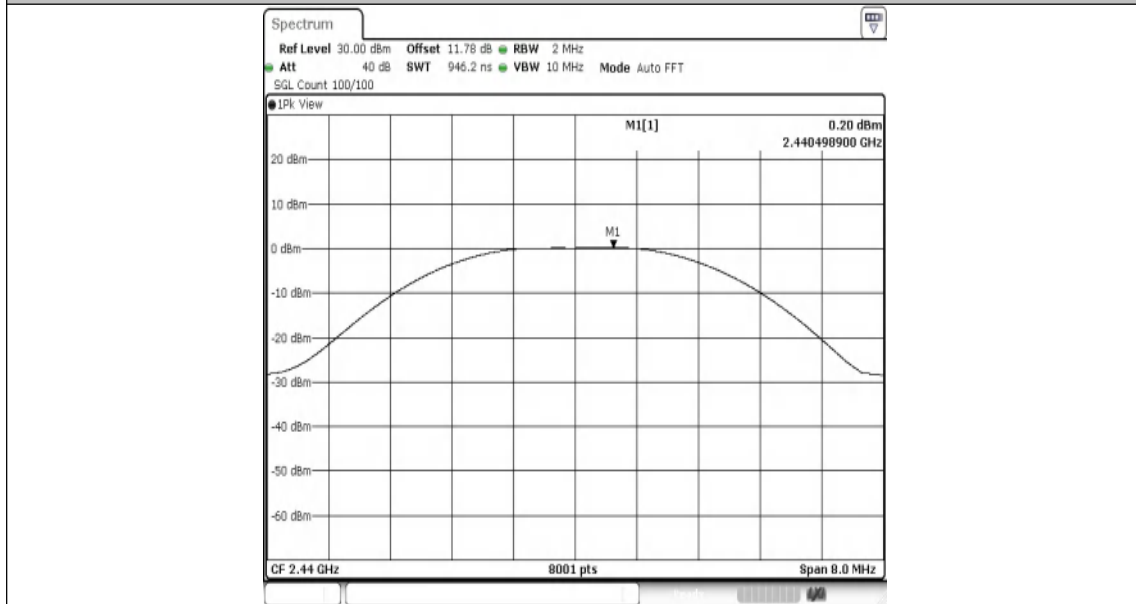
BLE_1M-Ant1-2440-PASS



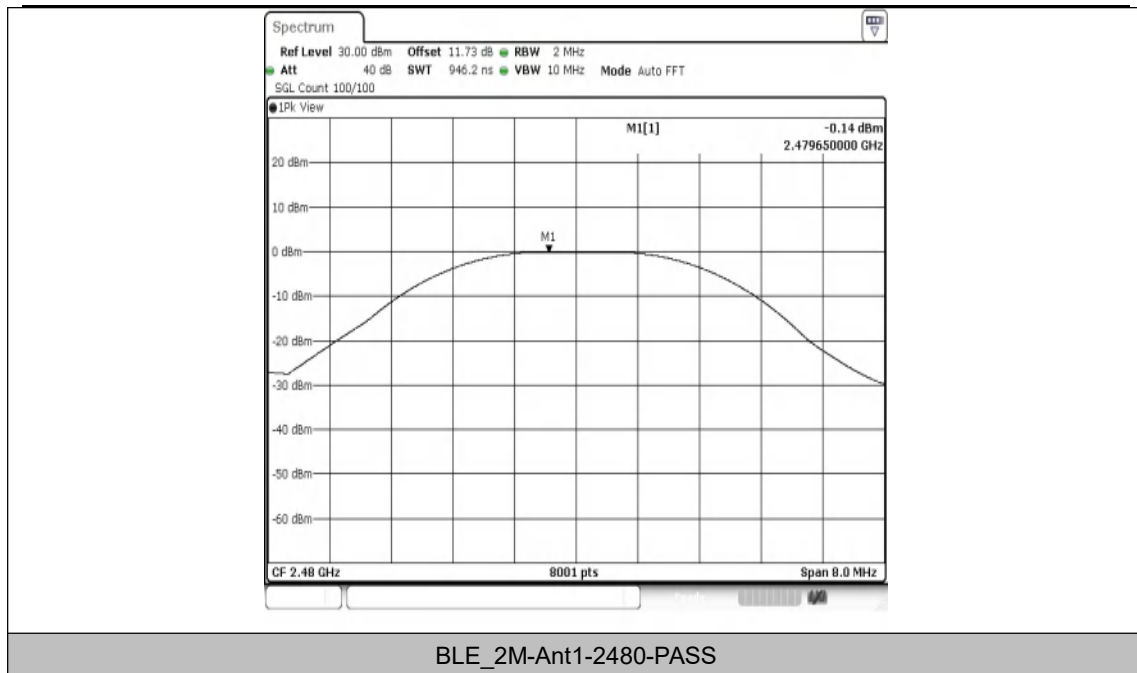
BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



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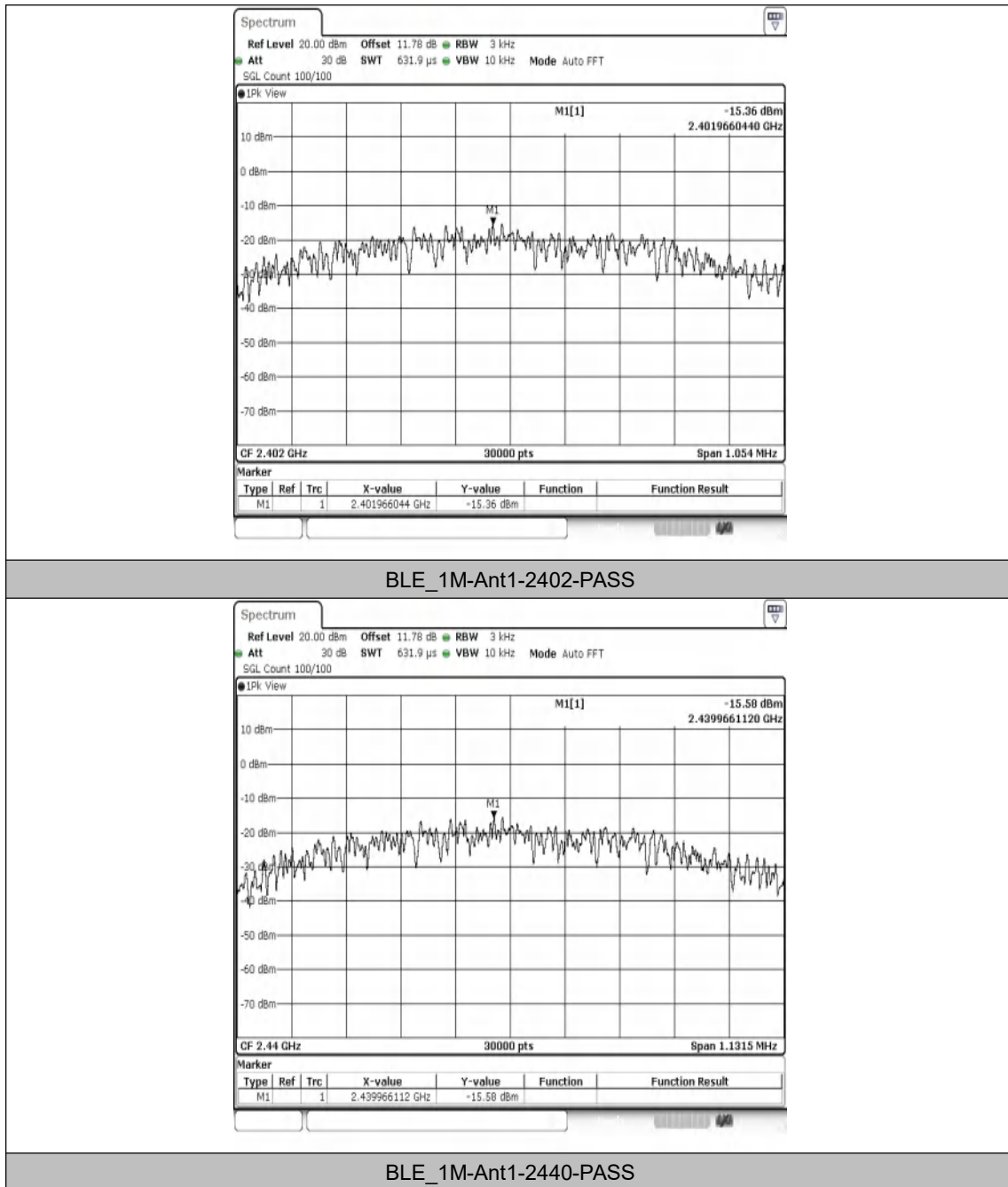
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.36	≤8.00	PASS
BLE_1M	Ant1	2440	-15.58	≤8.00	PASS
BLE_1M	Ant1	2480	-15.88	≤8.00	PASS
BLE_2M	Ant1	2402	-17.36	≤8.00	PASS
BLE_2M	Ant1	2440	-17.73	≤8.00	PASS
BLE_2M	Ant1	2480	-18.04	≤8.00	PASS

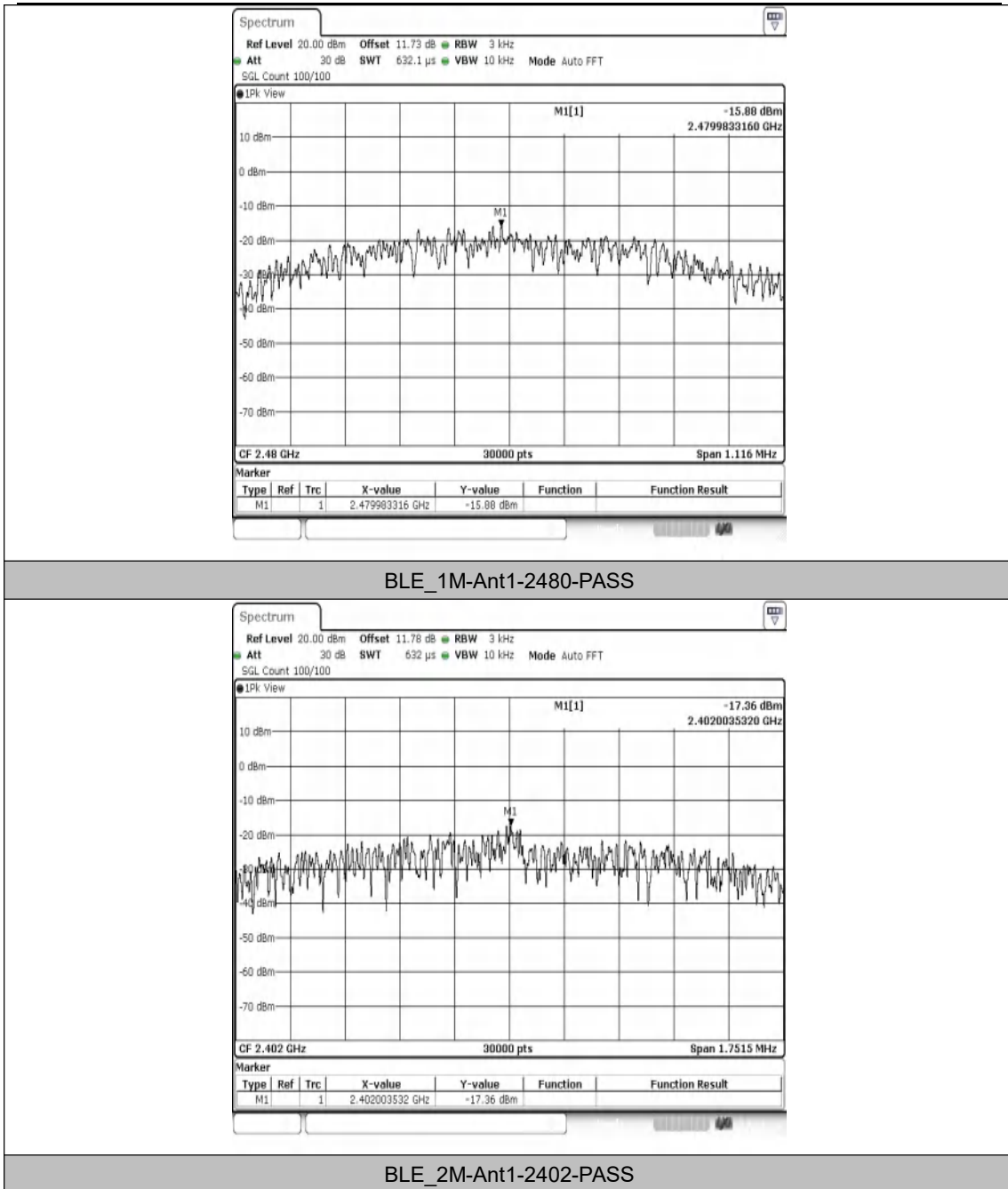
Test Graphs

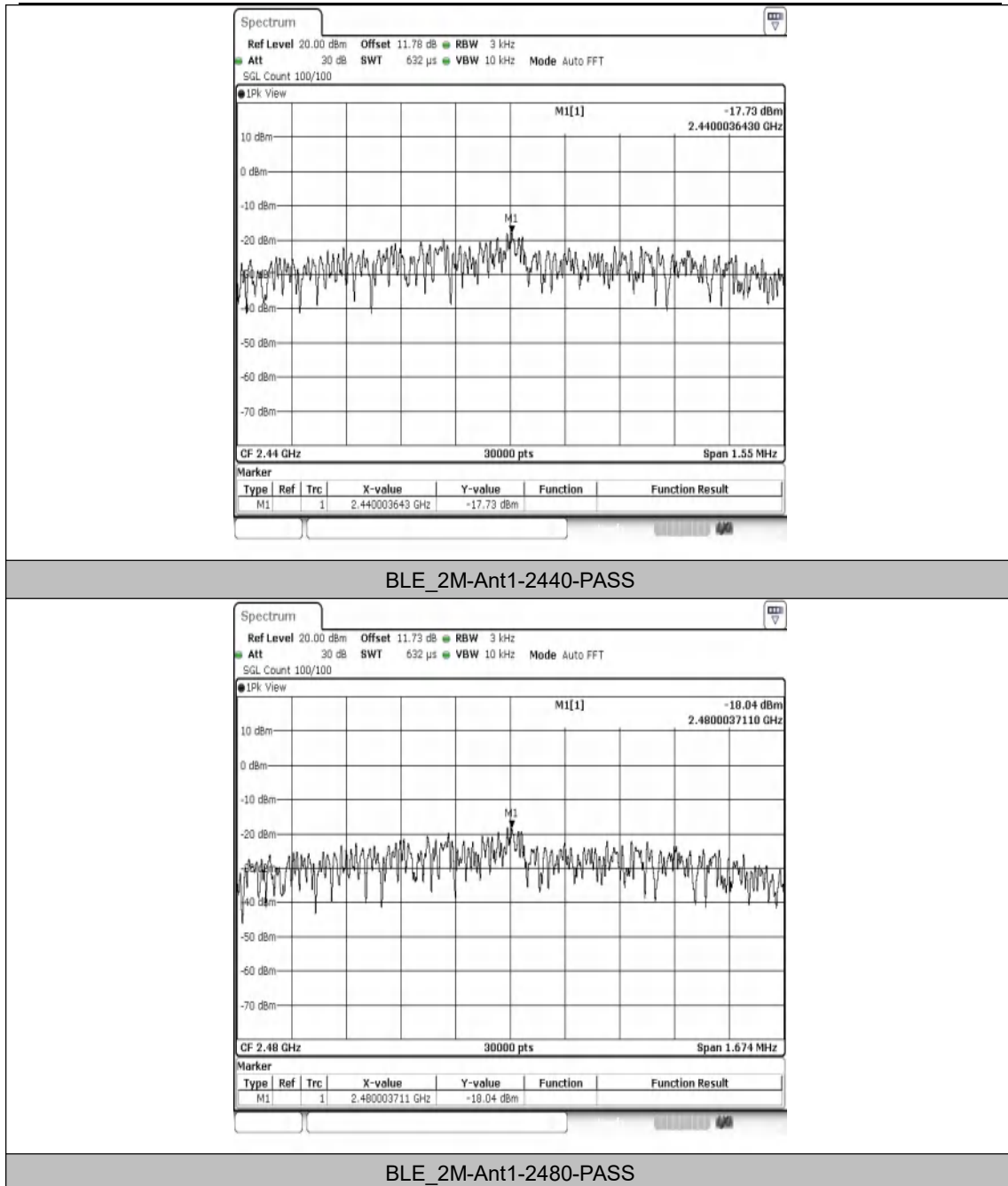


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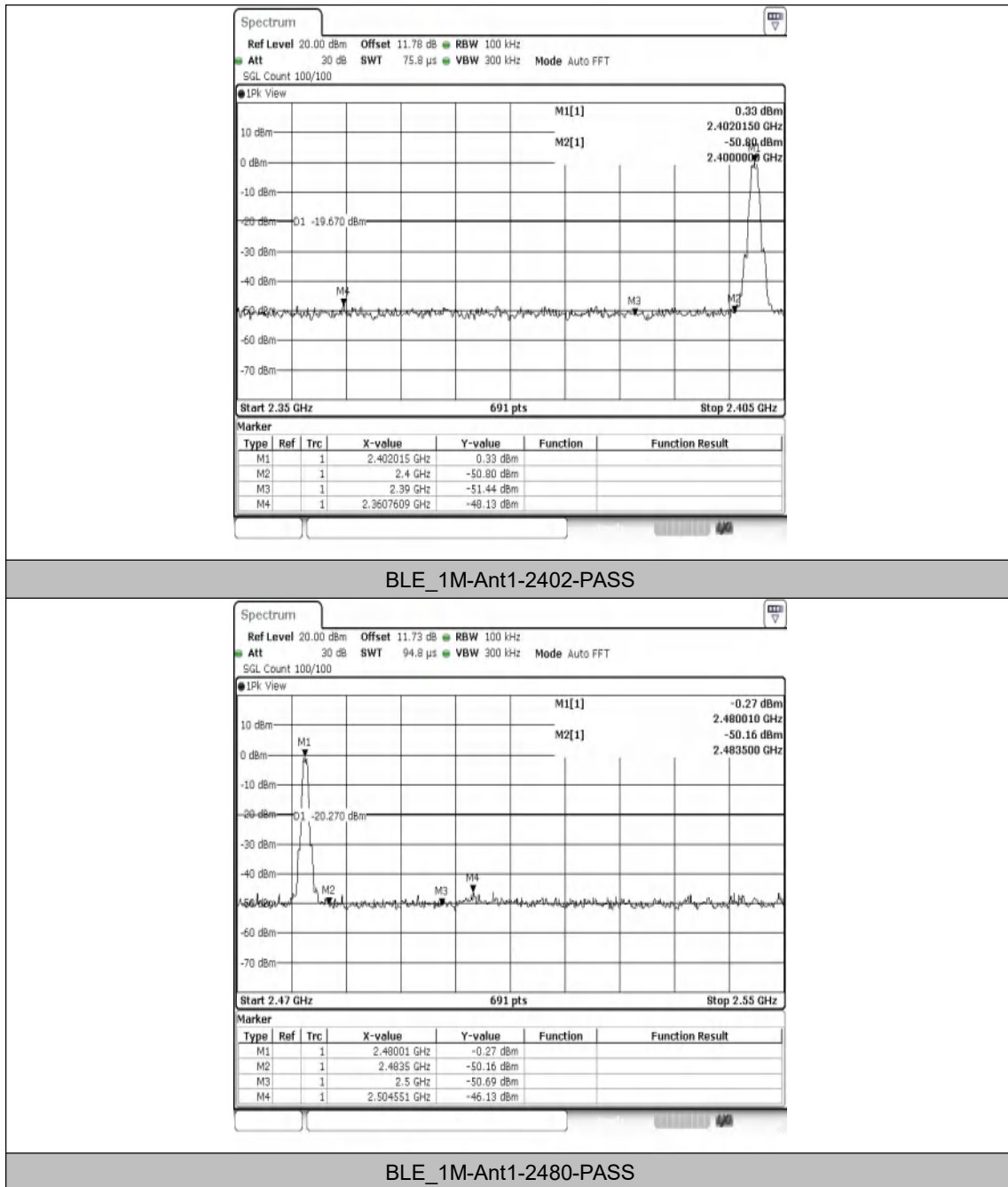


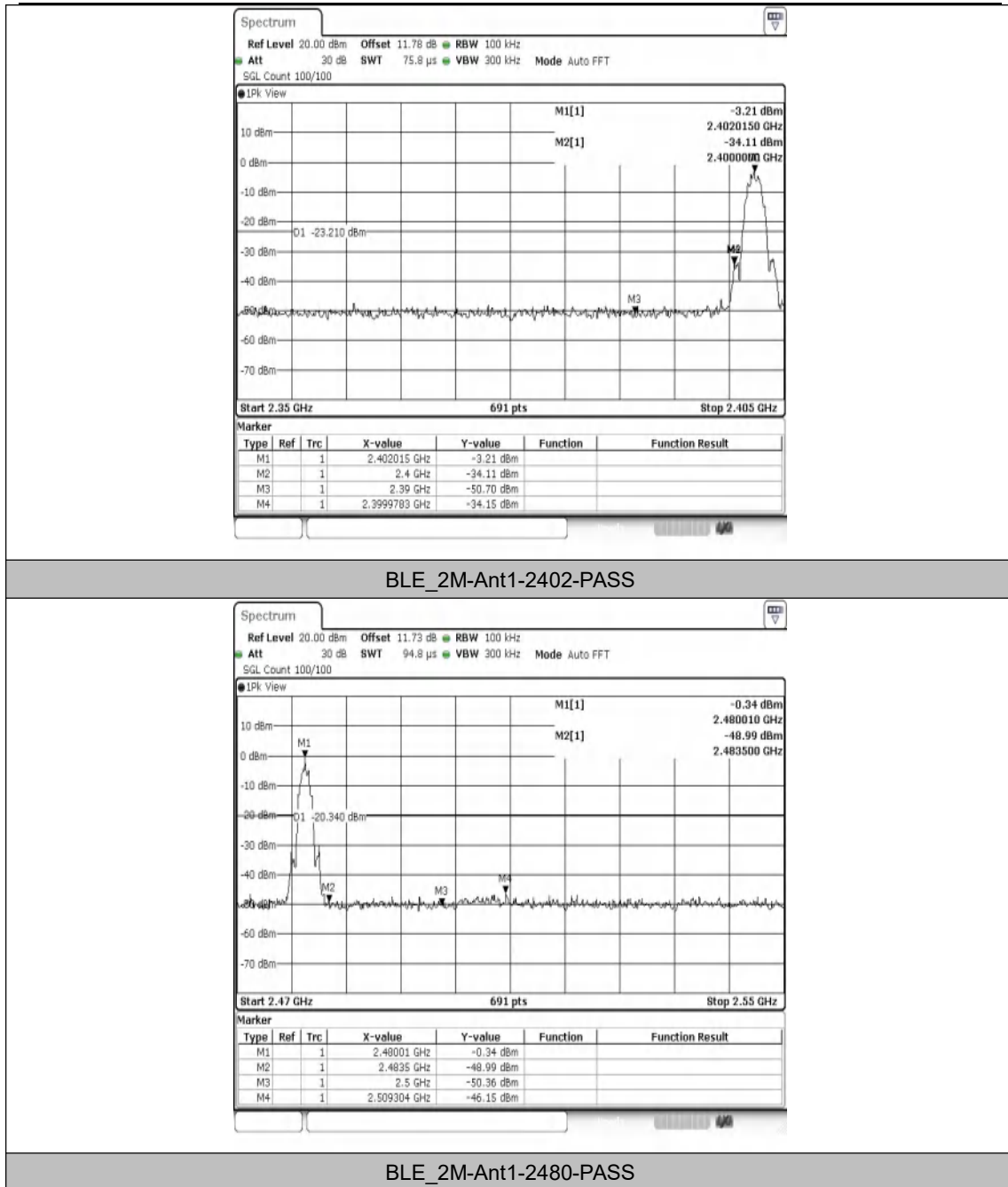
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.33	-48.13	≤-19.67	PASS
BLE_1M	Ant1	High	2480	-0.27	-46.13	≤-20.27	PASS
BLE_2M	Ant1	Low	2402	-3.21	-34.15	≤-23.21	PASS
BLE_2M	Ant1	High	2480	-0.34	-46.15	≤-20.34	PASS

Test Graphs



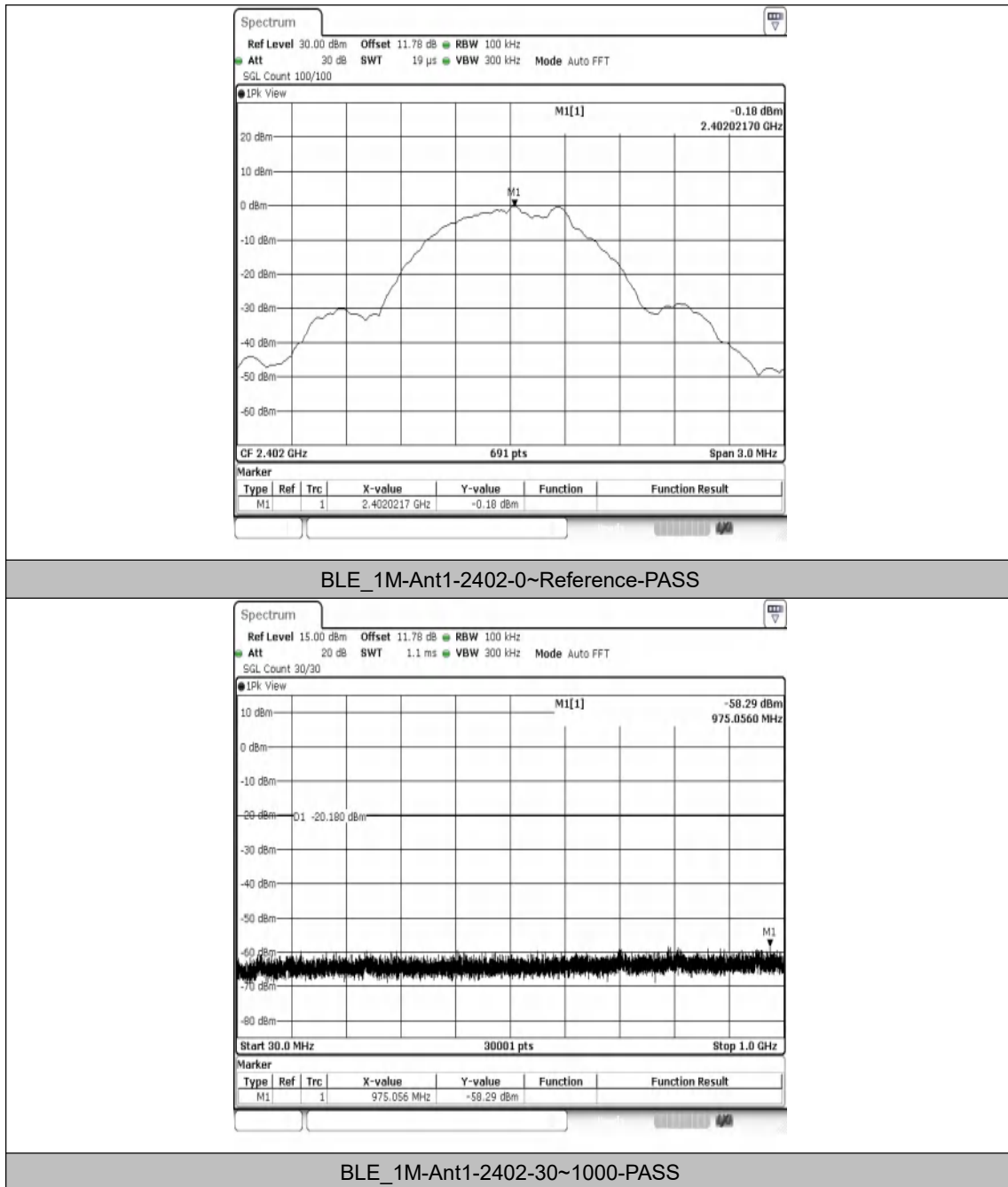


Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.18	-0.18	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.18	-58.29	≤-20.18	PASS
BLE_1M	Ant1	2402	1000~26500	-0.18	-43.93	≤-20.18	PASS
BLE_1M	Ant1	2440	0~Reference	-0.07	-0.07	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.07	-57.75	≤-20.07	PASS
BLE_1M	Ant1	2440	1000~26500	-0.07	-43.71	≤-20.07	PASS
BLE_1M	Ant1	2480	0~Reference	-0.33	-0.33	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.33	-58.36	≤-20.33	PASS
BLE_1M	Ant1	2480	1000~26500	-0.33	-43.93	≤-20.33	PASS
BLE_2M	Ant1	2402	0~Reference	0.24	0.24	---	PASS
BLE_2M	Ant1	2402	30~1000	0.24	-58.87	≤-19.76	PASS
BLE_2M	Ant1	2402	1000~26500	0.24	-42.5	≤-19.76	PASS
BLE_2M	Ant1	2440	0~Reference	-0.04	-0.04	---	PASS
BLE_2M	Ant1	2440	30~1000	-0.04	-57.77	≤-20.04	PASS
BLE_2M	Ant1	2440	1000~26500	-0.04	-43.94	≤-20.04	PASS
BLE_2M	Ant1	2480	0~Reference	-0.36	-0.36	---	PASS
BLE_2M	Ant1	2480	30~1000	-0.36	-57.27	≤-20.36	PASS
BLE_2M	Ant1	2480	1000~26500	-0.36	-40.63	≤-20.36	PASS

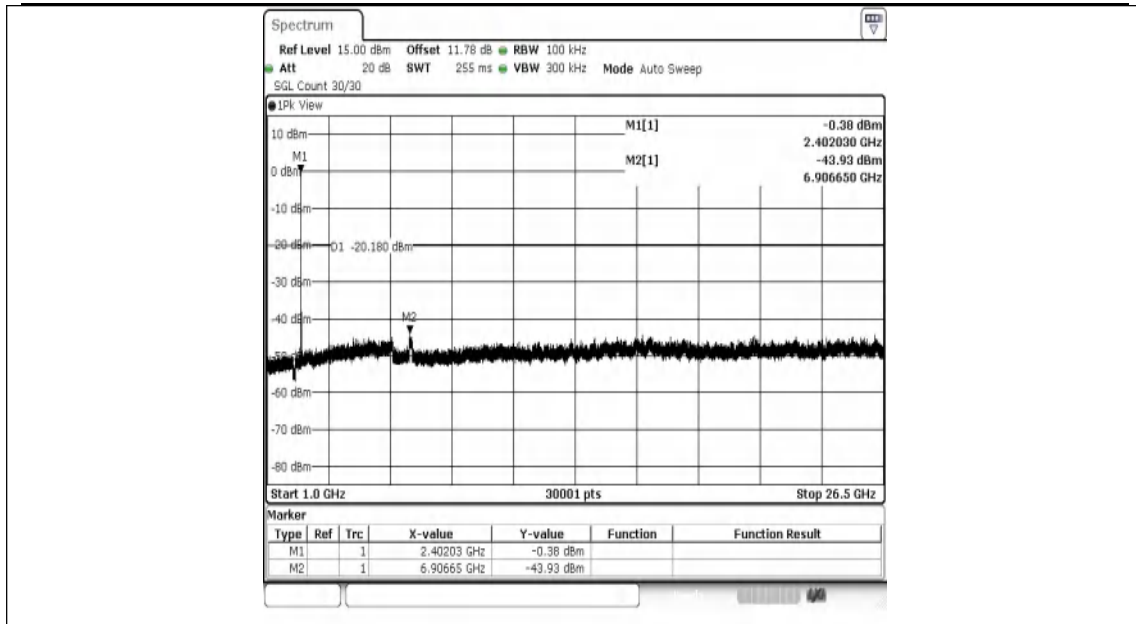
Test Graphs



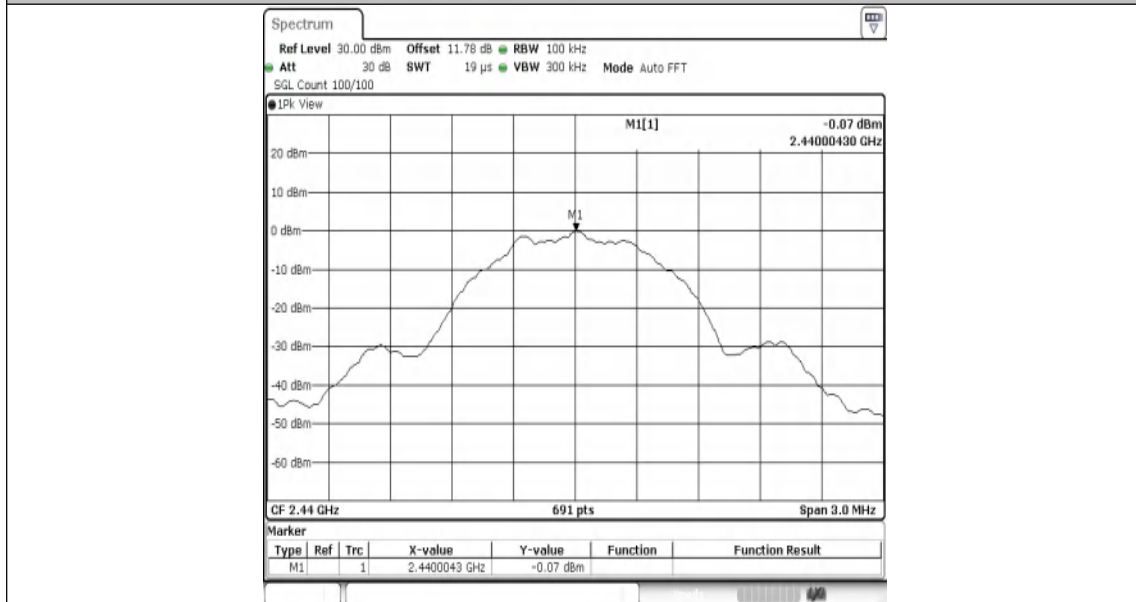
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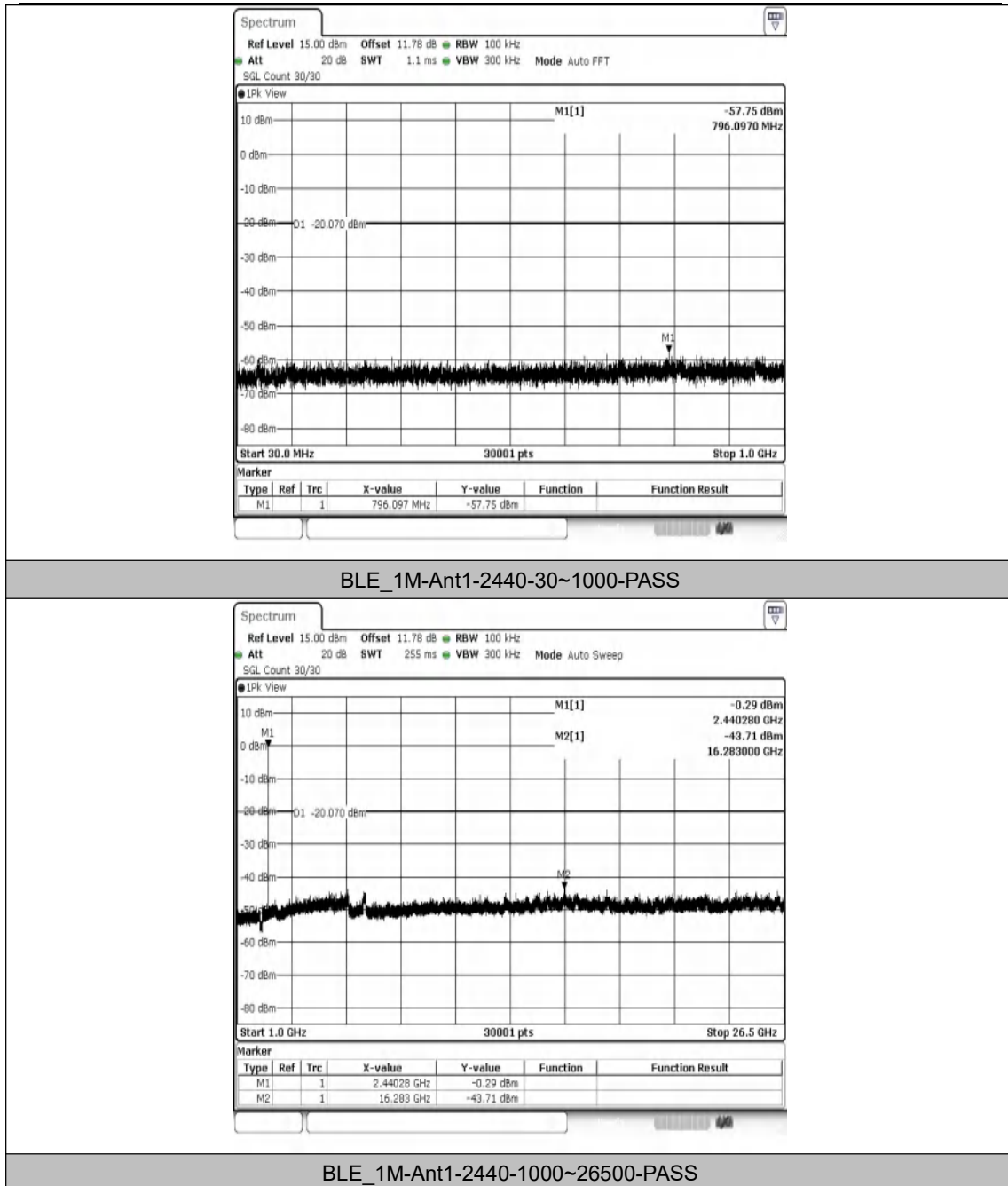
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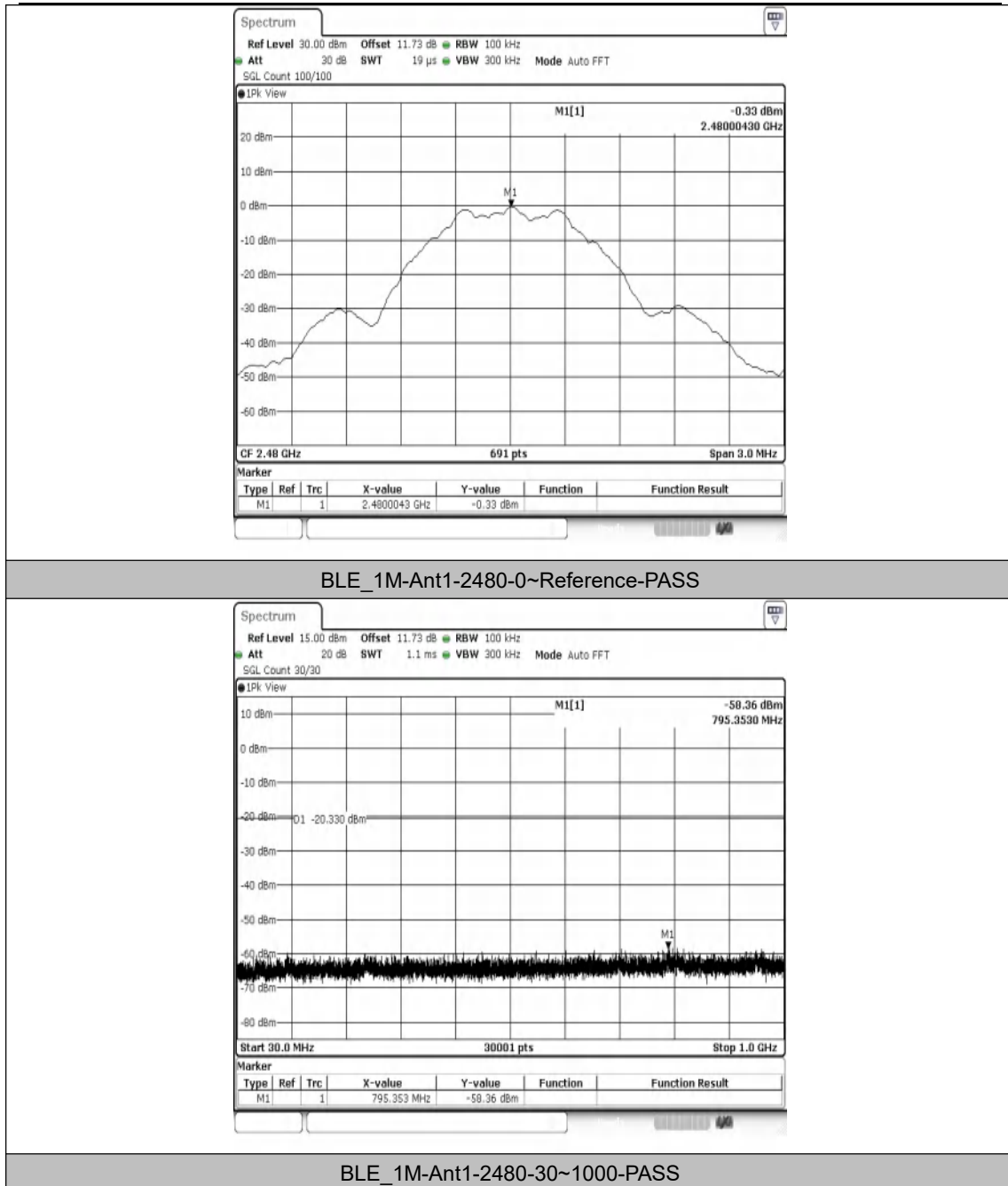


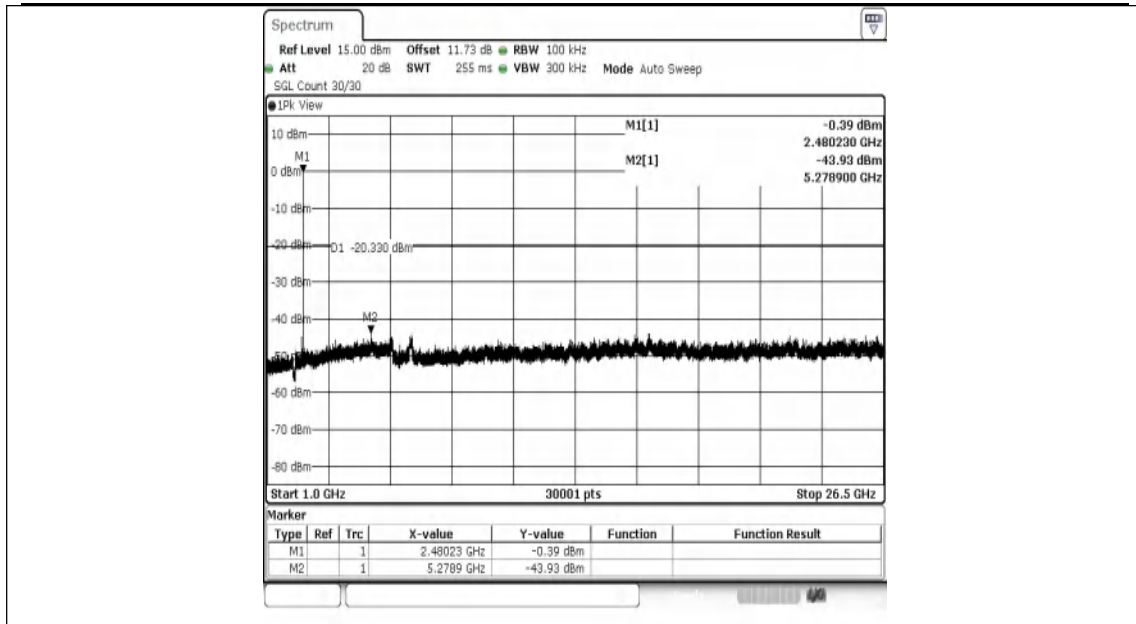
BLE_1M-Ant1-2402-1000~26500-PASS



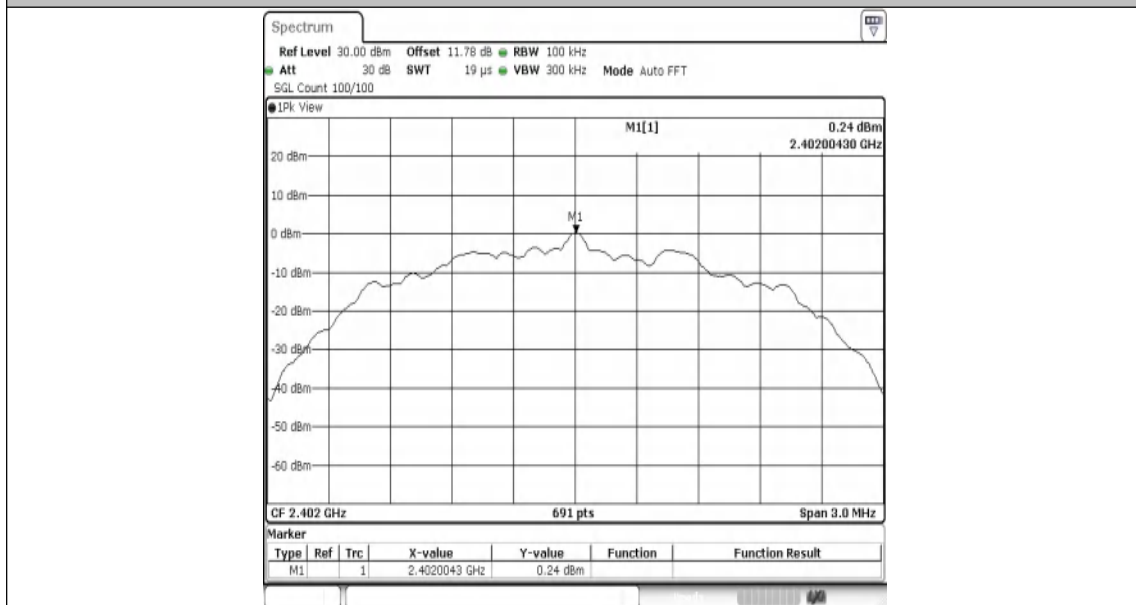
BLE_1M-Ant1-2440-0~Reference-PASS



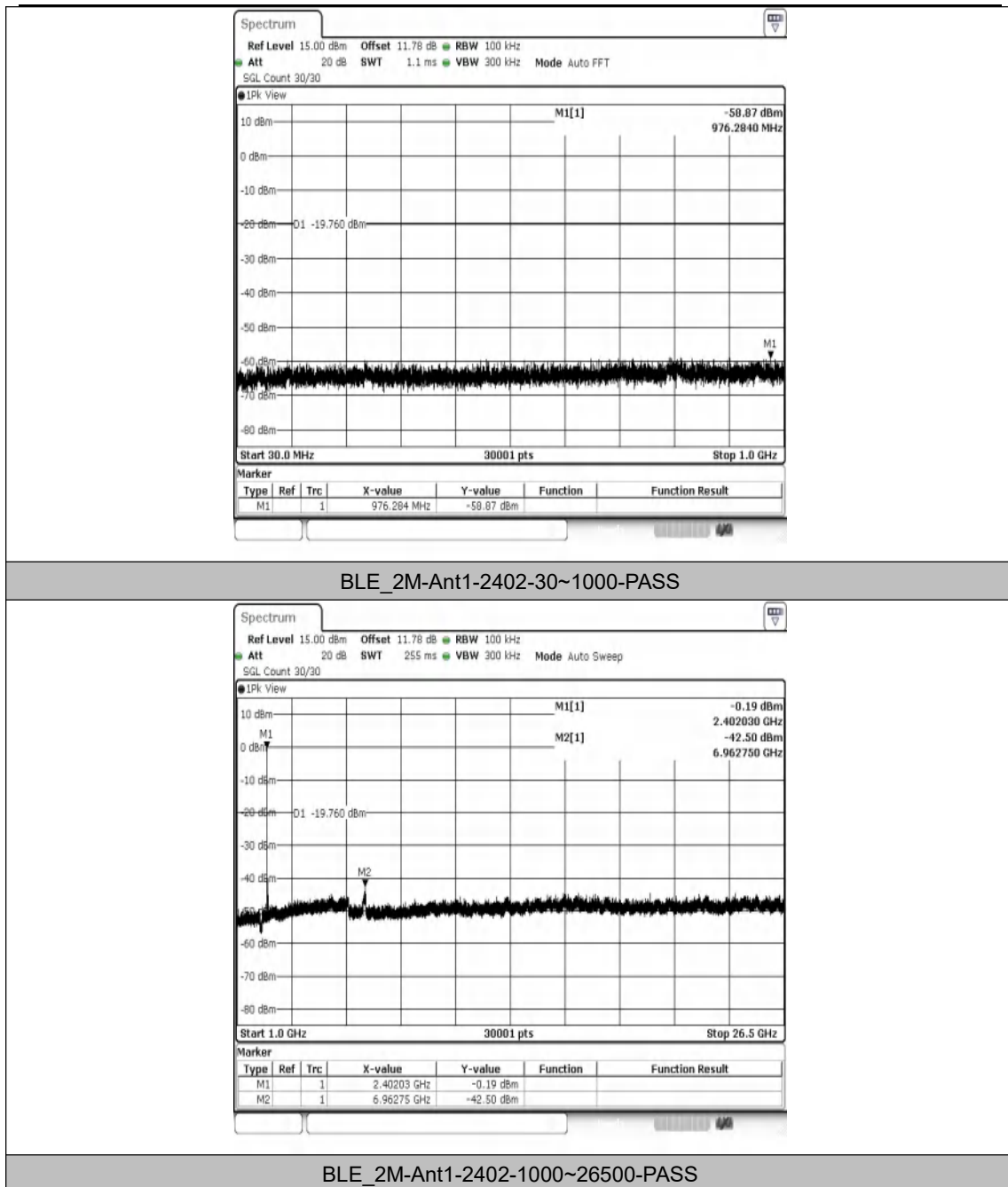


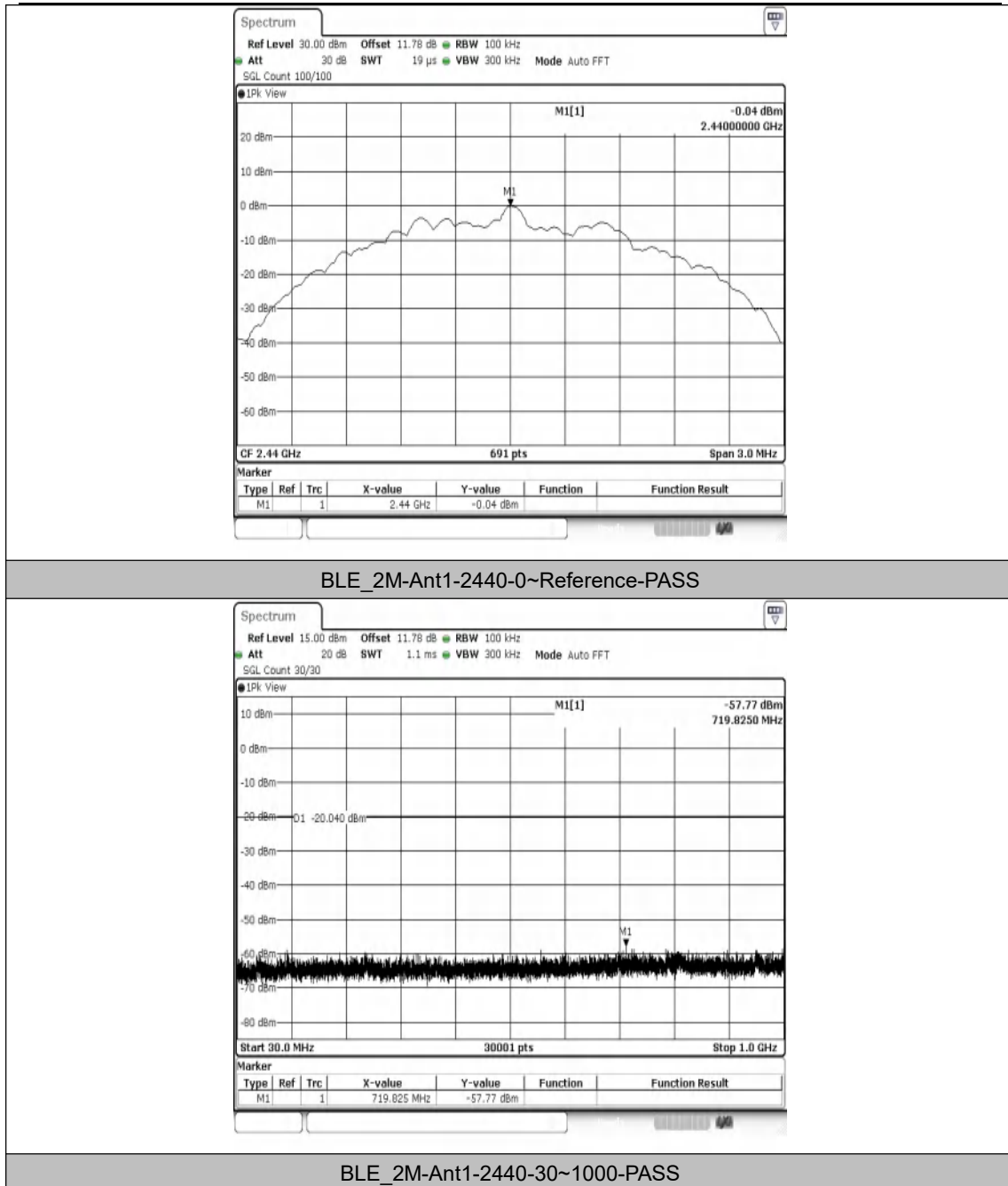


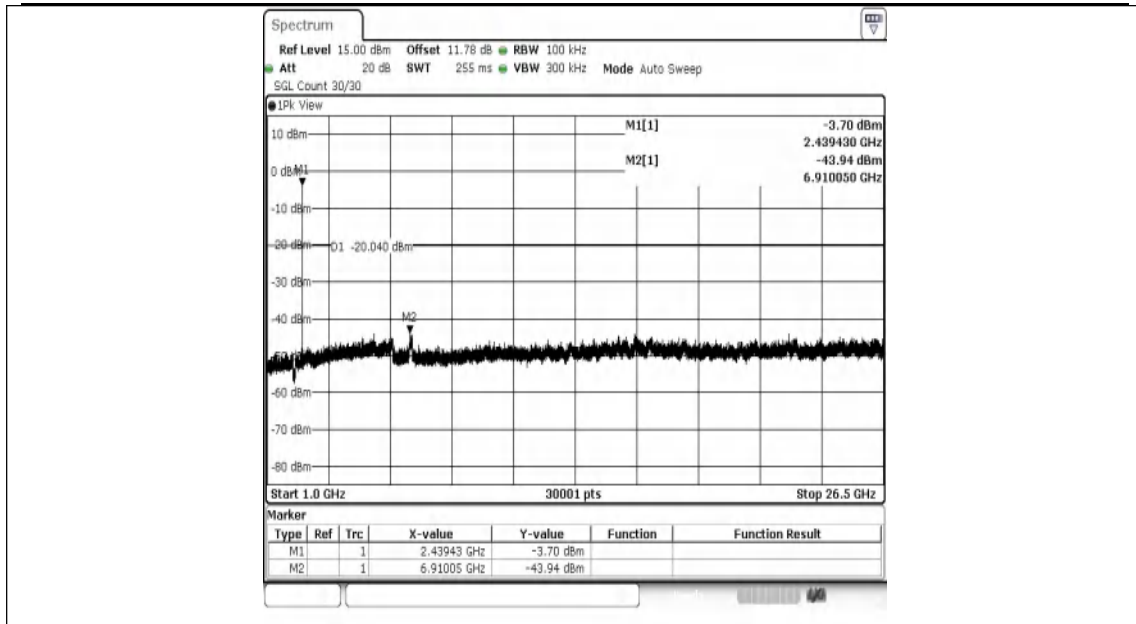
BLE_1M-Ant1-2480-1000~26500-PASS



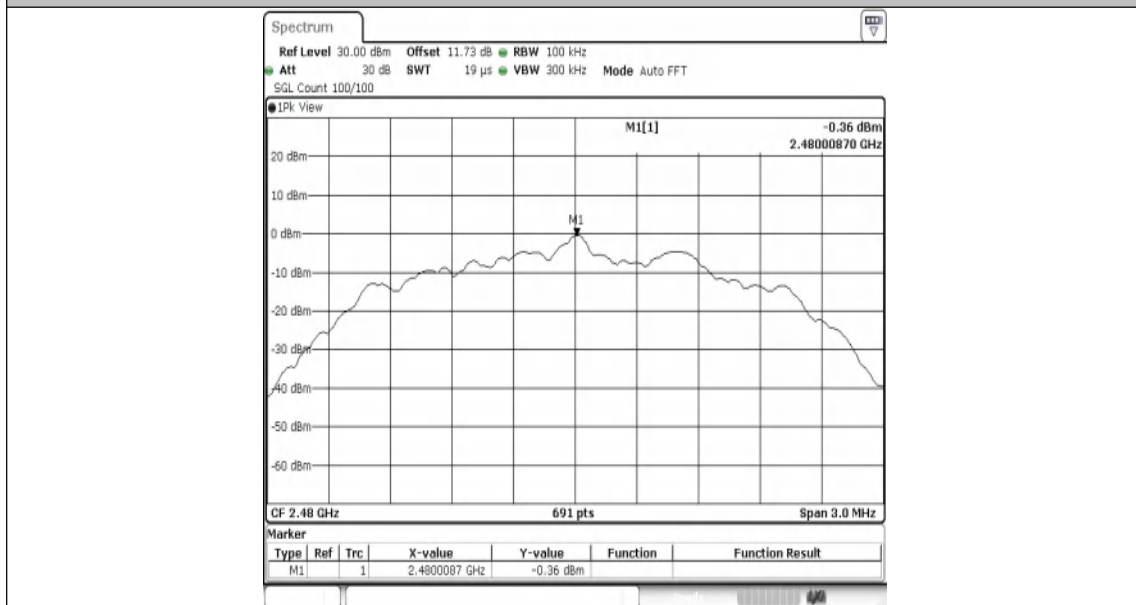
BLE_2M-Ant1-2402-0~Reference-PASS



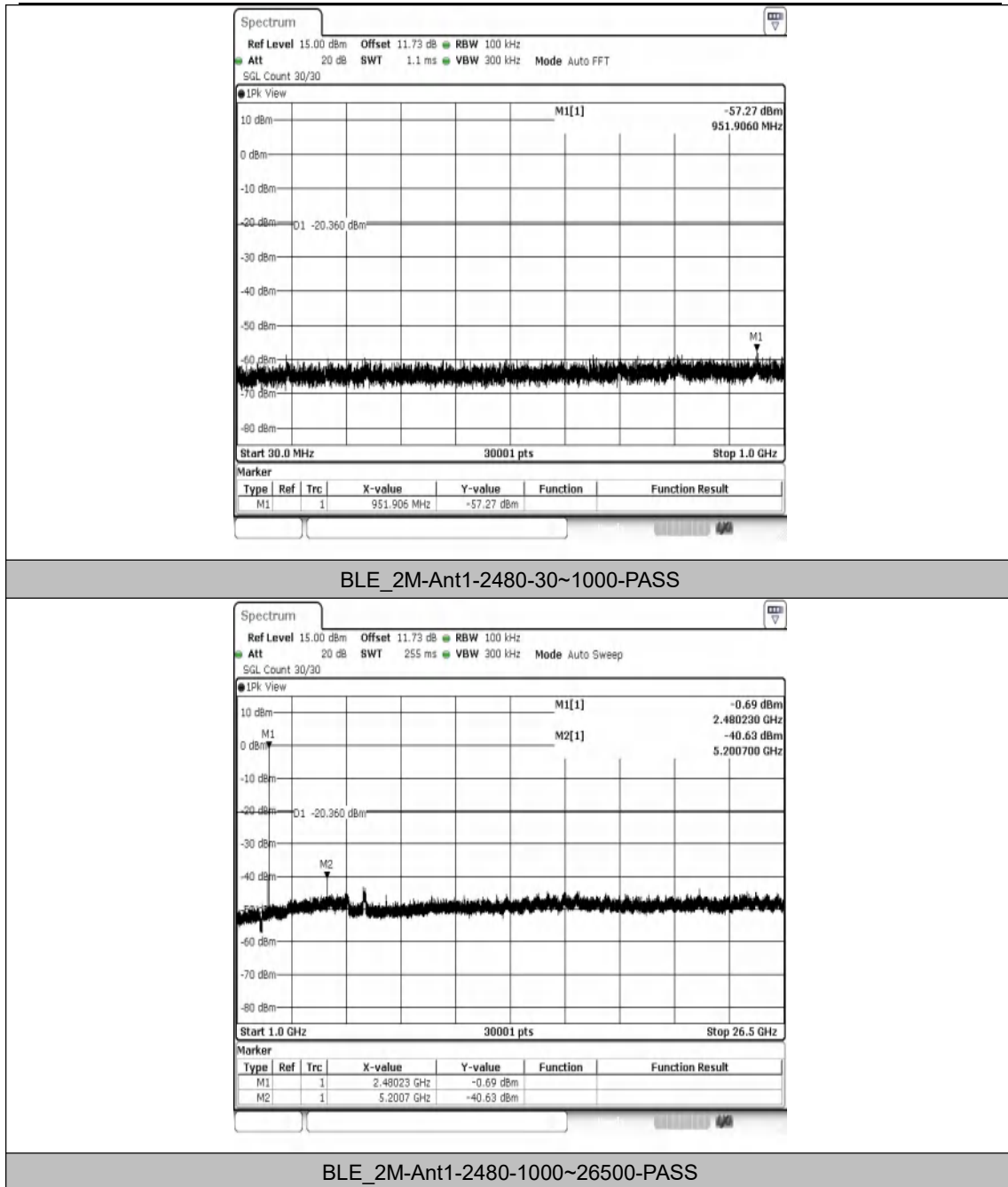




BLE_2M-Ant1-2440-1000~26500-PASS



BLE_2M-Ant1-2480-0~Reference-PASS



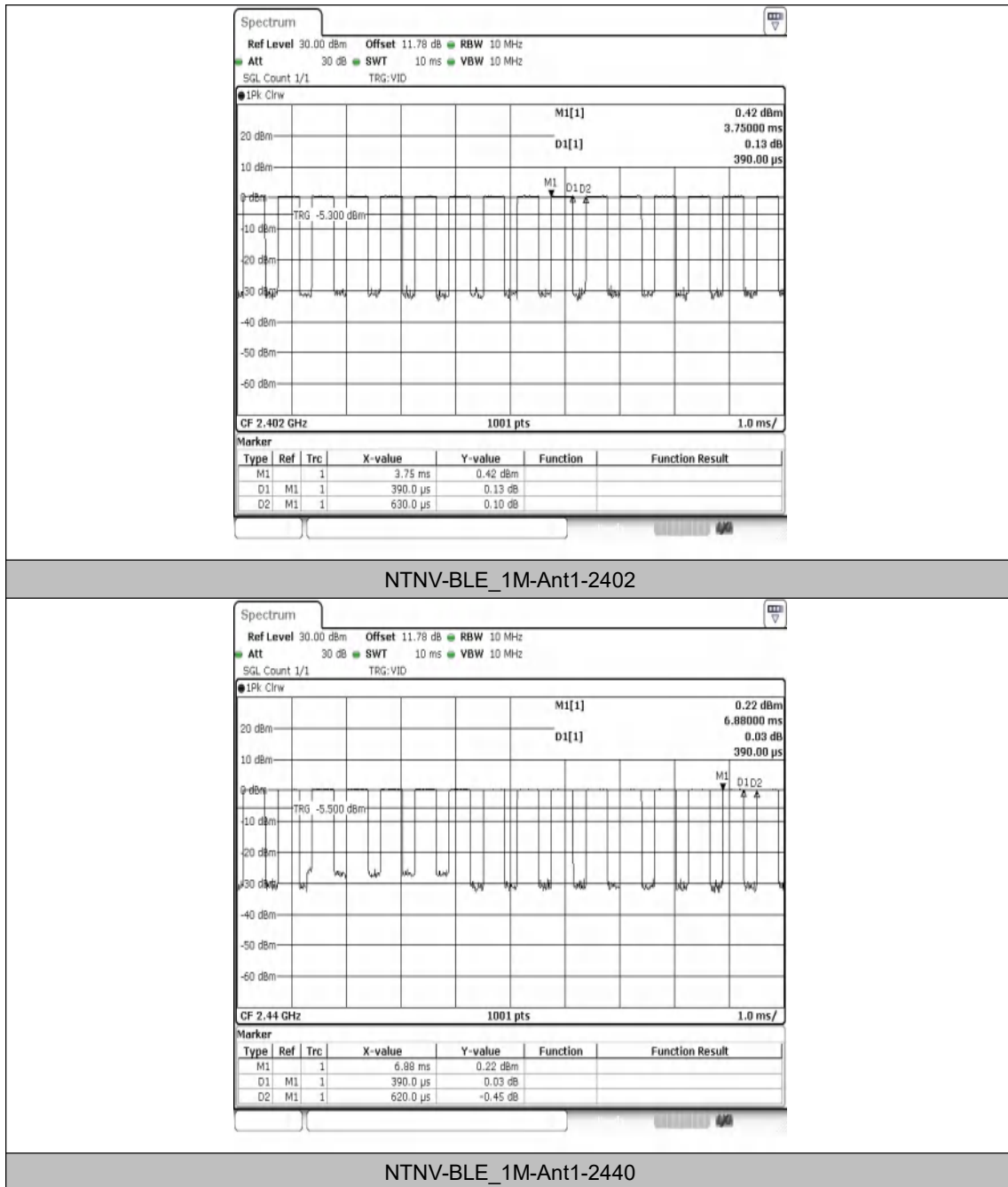
Appendix G: Duty Cycle

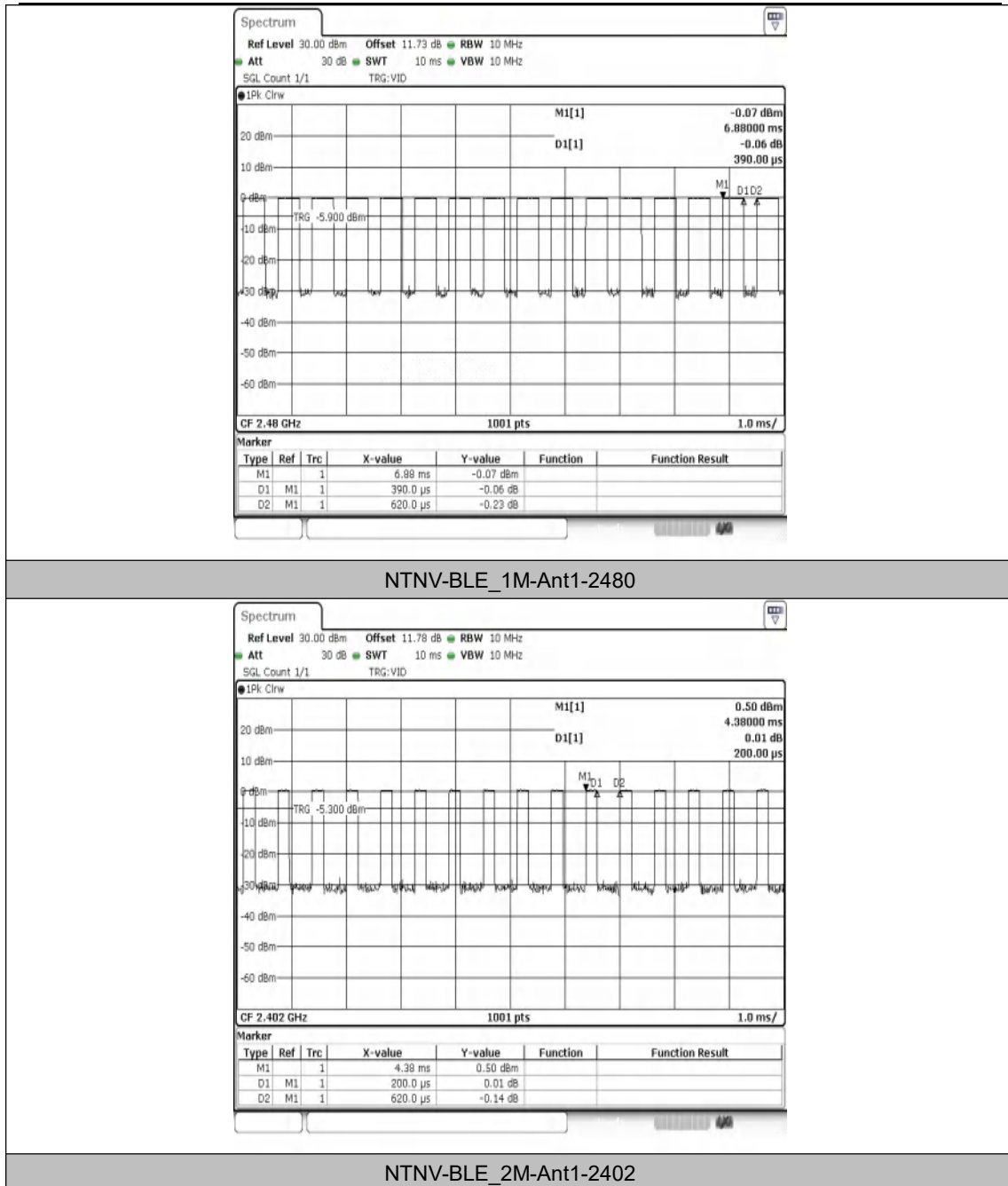
Test Result

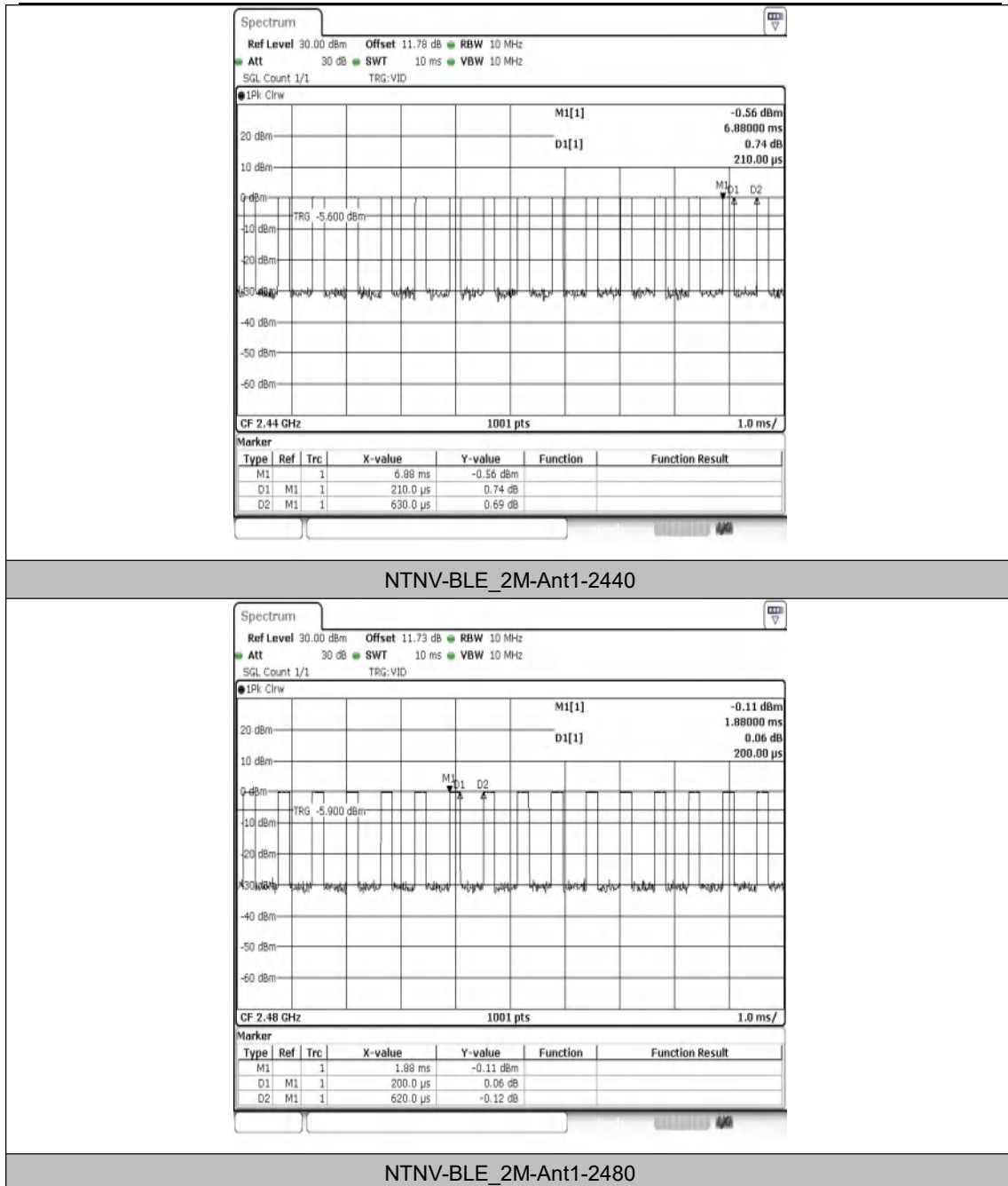
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2440	0.39	0.62	62.90	2.01
BLE_1M	Ant1	2480	0.39	0.62	62.90	2.01
BLE_2M	Ant1	2402	0.20	0.62	32.26	4.91
BLE_2M	Ant1	2440	0.21	0.63	33.33	4.77
BLE_2M	Ant1	2480	0.20	0.62	32.26	4.91



Test Graphs







---End---