

Appendix Test Data

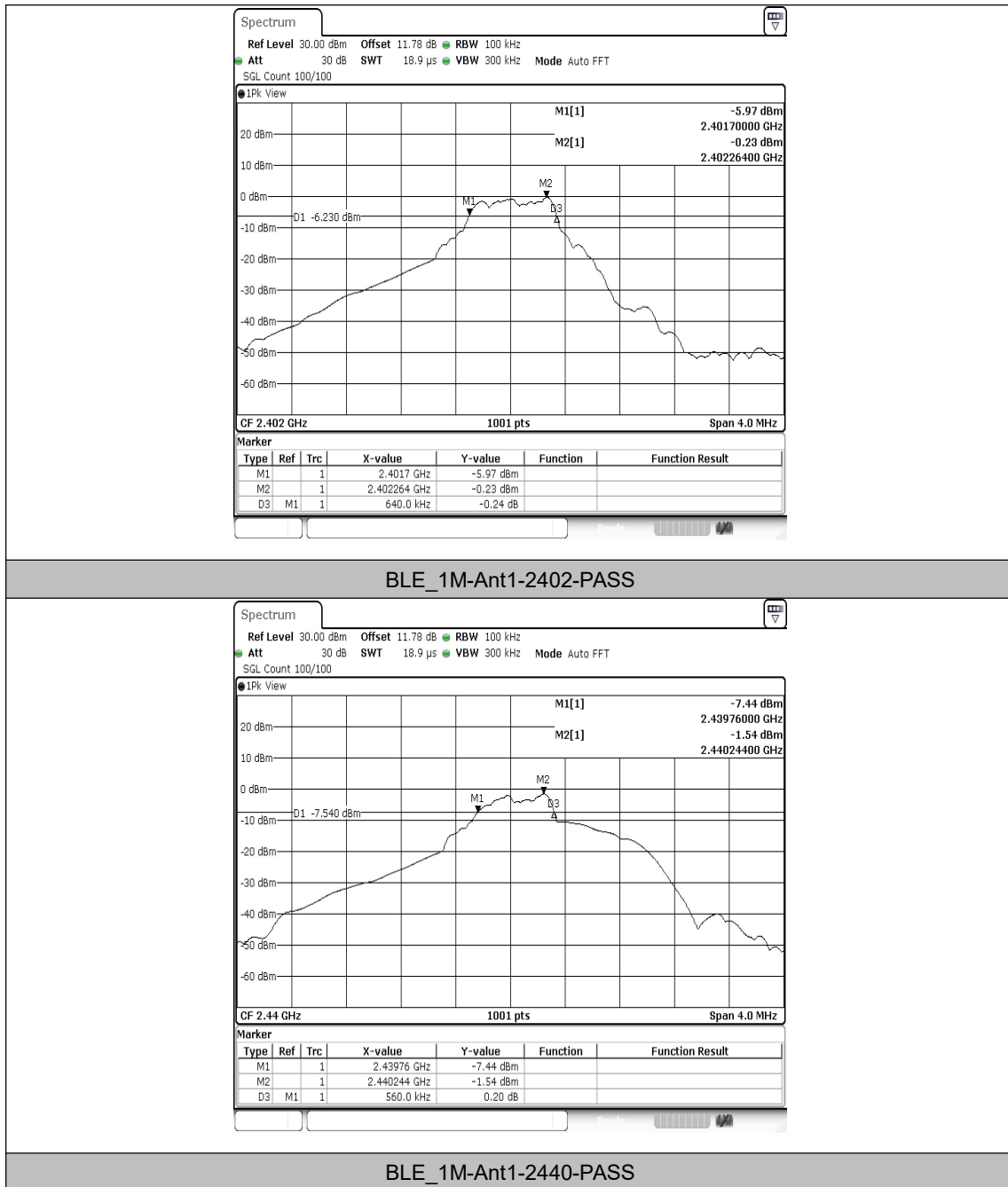
Report No.:	1812C50018012501	Test Sample No.:	1-2-2
Start Test Date:	2025-1-15	Finish Test Date:	2025-1-21
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	22.3°C	Relative Humidity:	40%
Pressure:	101kPa		

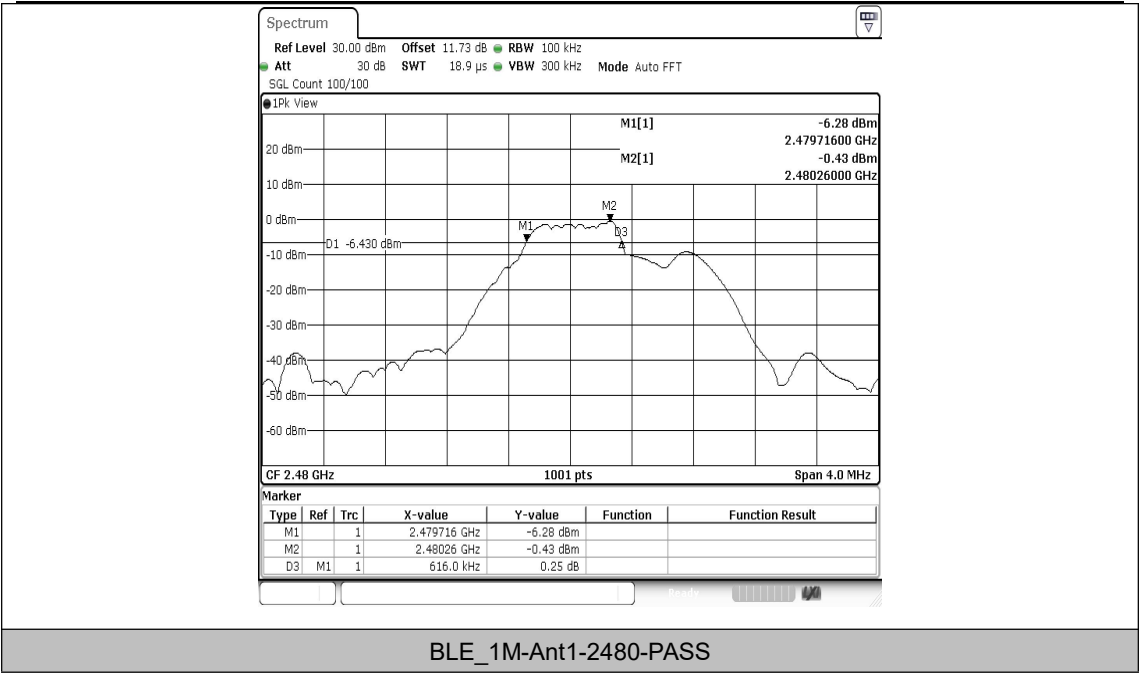
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.64	2401.70	2402.34	0.5	PASS
BLE_1M	Ant1	2440	0.56	2439.76	2440.32	0.5	PASS
BLE_1M	Ant1	2480	0.62	2479.72	2480.33	0.5	PASS

Test Graphs





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Appendix B: 99% Occupied Bandwidth

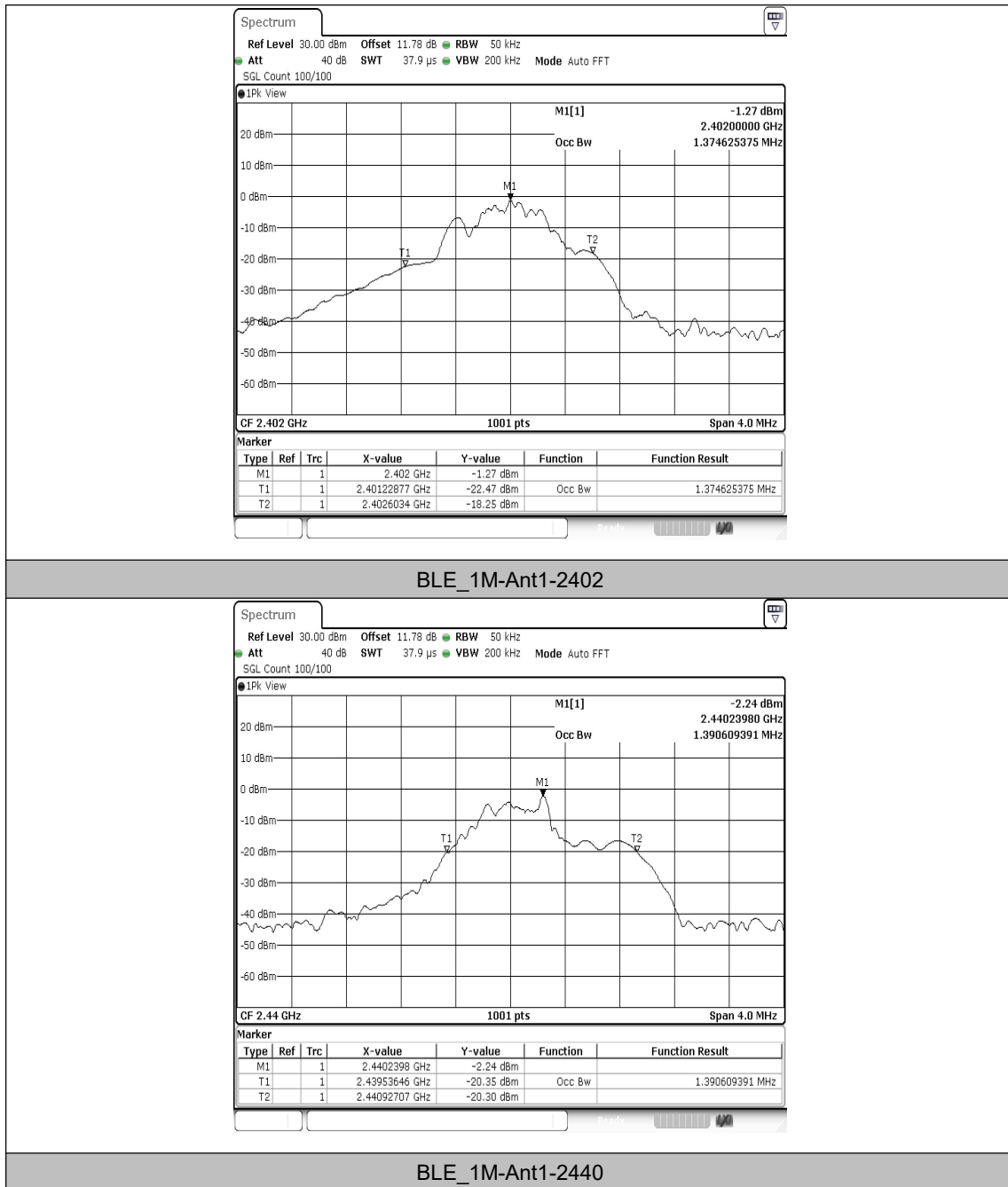
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.375	2401.2288	2402.6034	---	---
BLE_1M	Ant1	2440	1.391	2439.5365	2440.9271	---	---
BLE_1M	Ant1	2480	1.327	2479.5564	2480.8831	---	---

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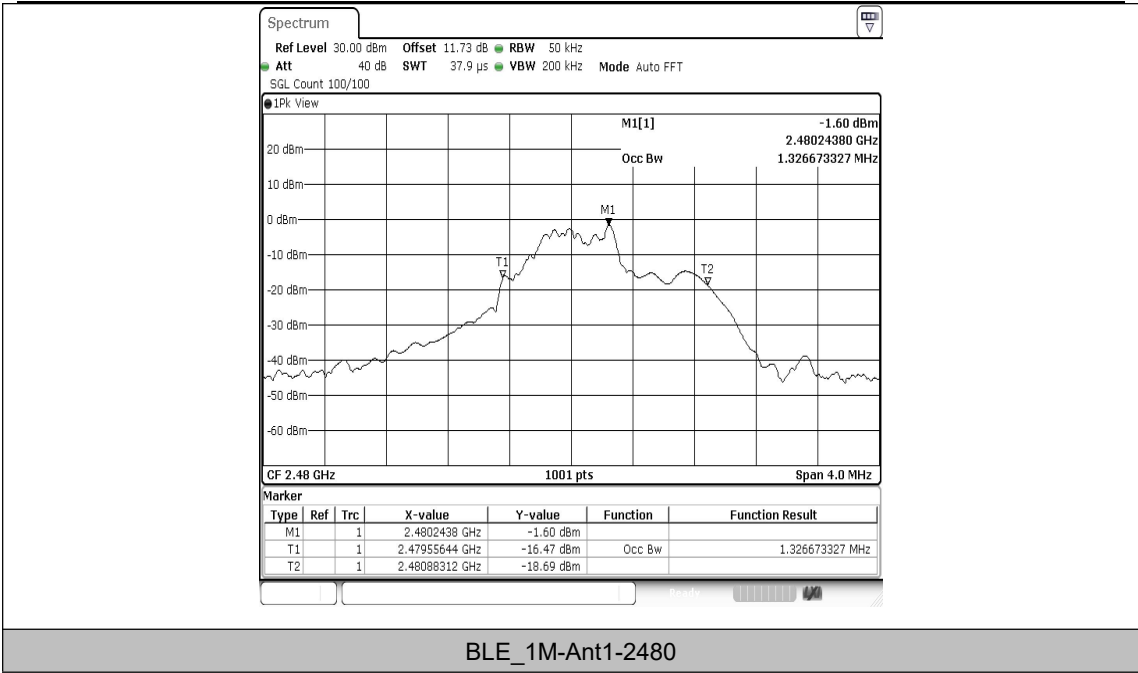
Test Graphs



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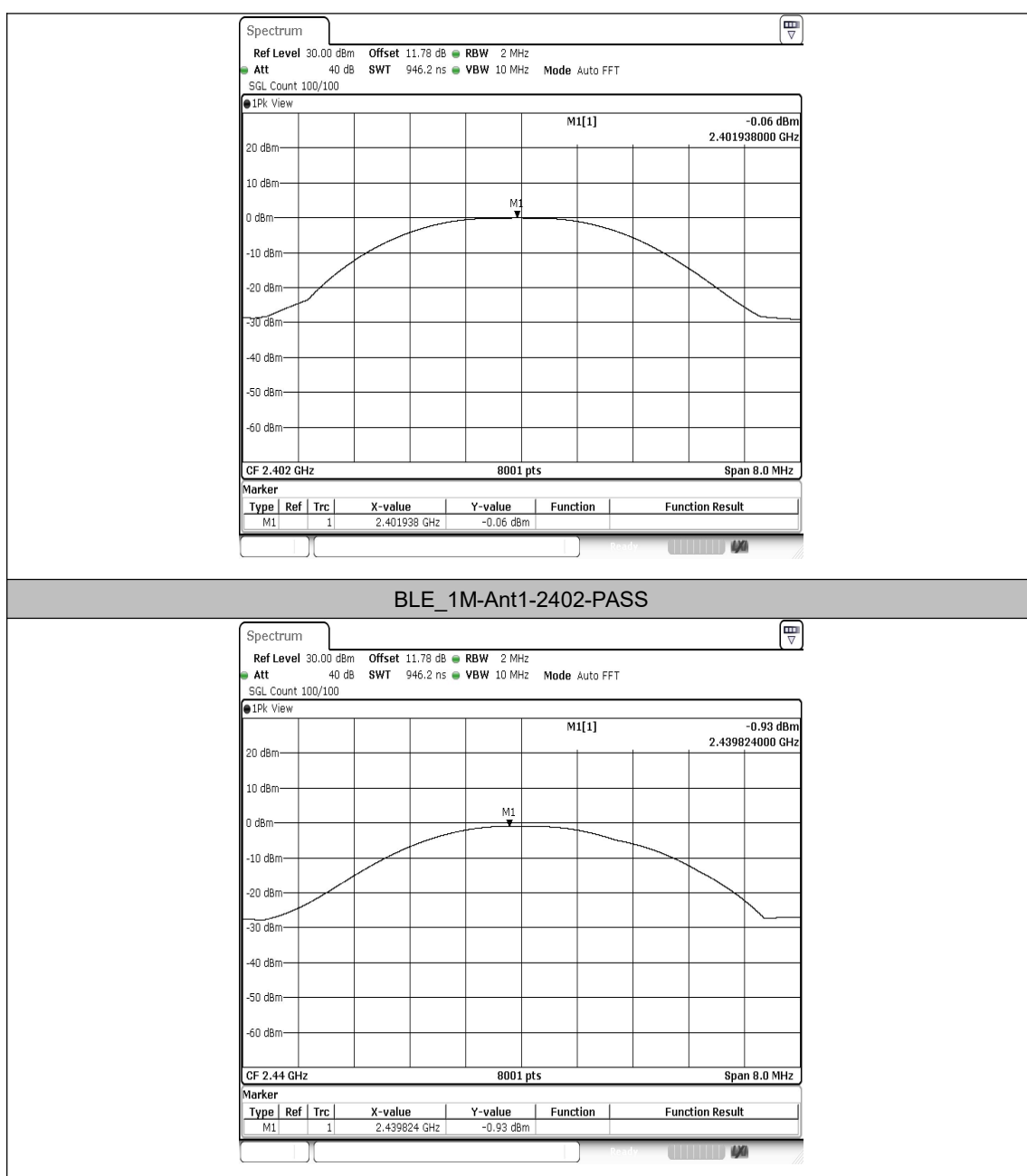
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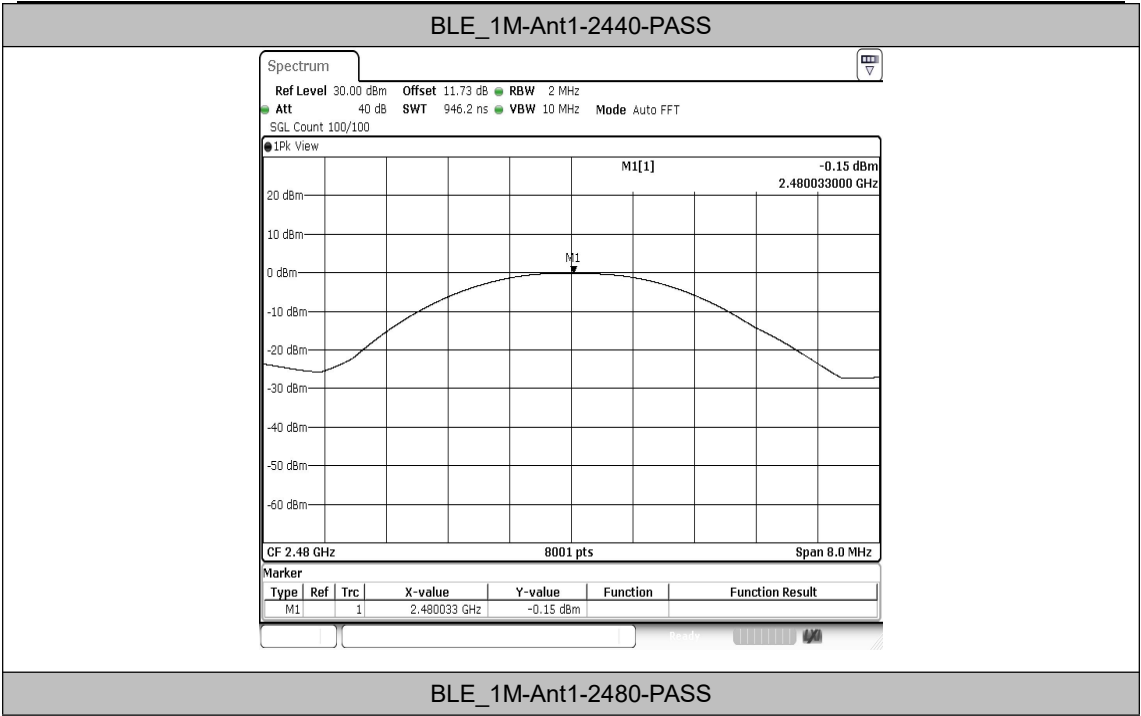
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.06	≤30	PASS
BLE_1M	Ant1	2440	-0.93	≤30	PASS
BLE_1M	Ant1	2480	-0.15	≤30	PASS

Test Graphs Peak





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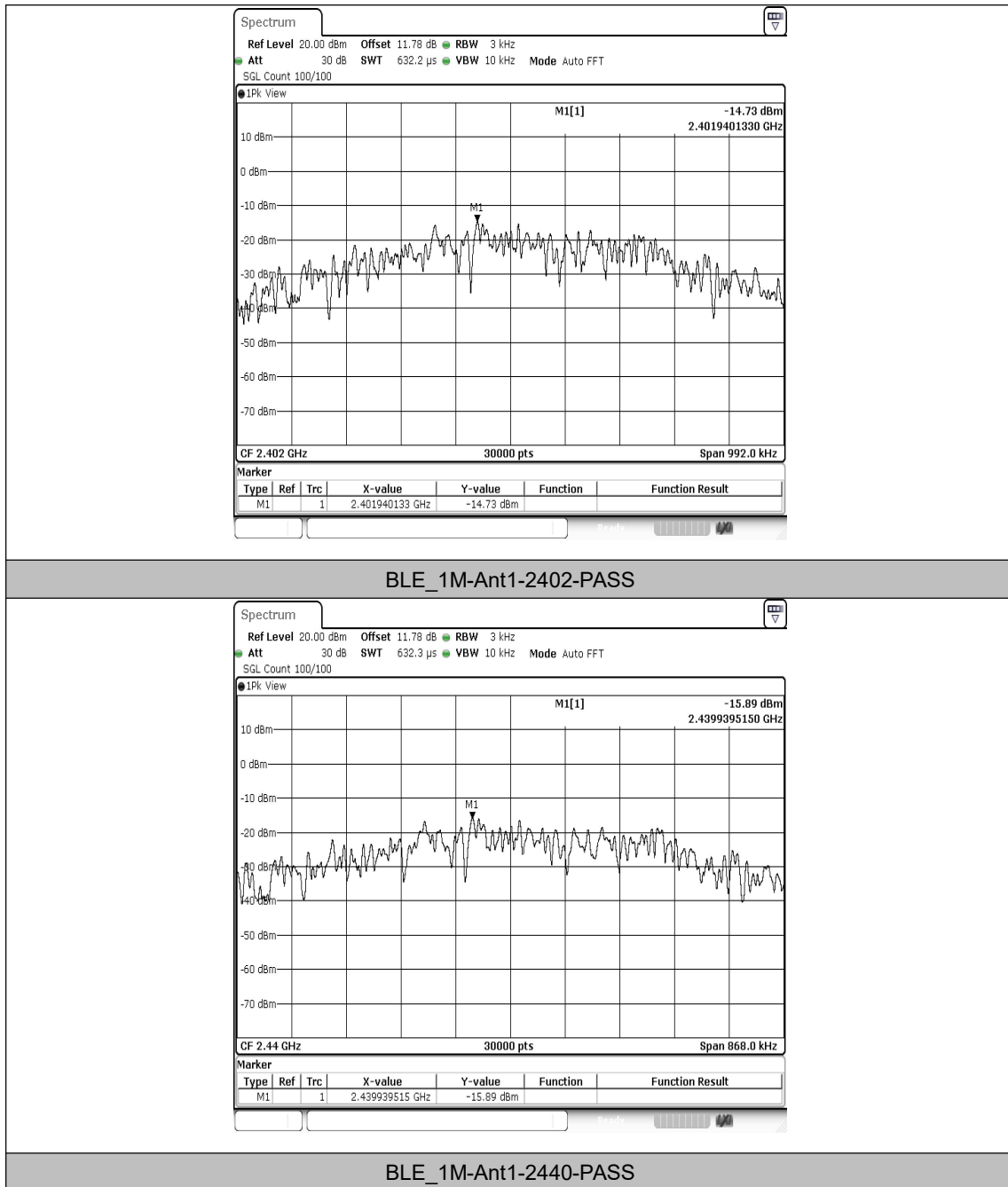
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.73	≤8.00	PASS
BLE_1M	Ant1	2440	-15.89	≤8.00	PASS
BLE_1M	Ant1	2480	-15.26	≤8.00	PASS



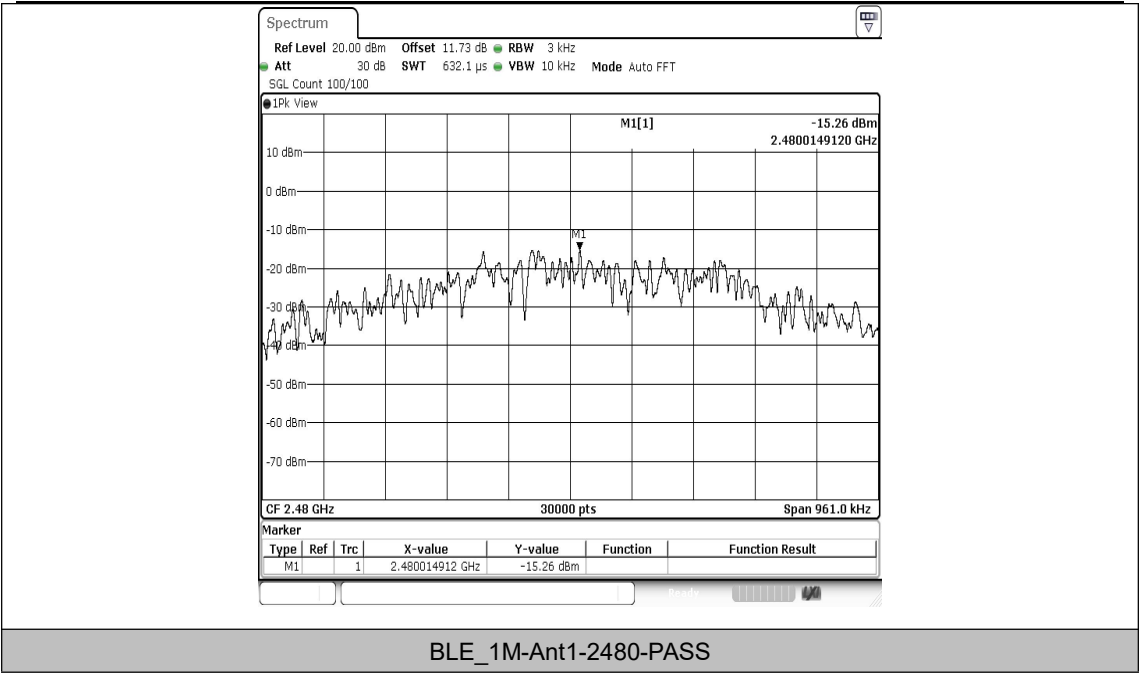
Test Graphs



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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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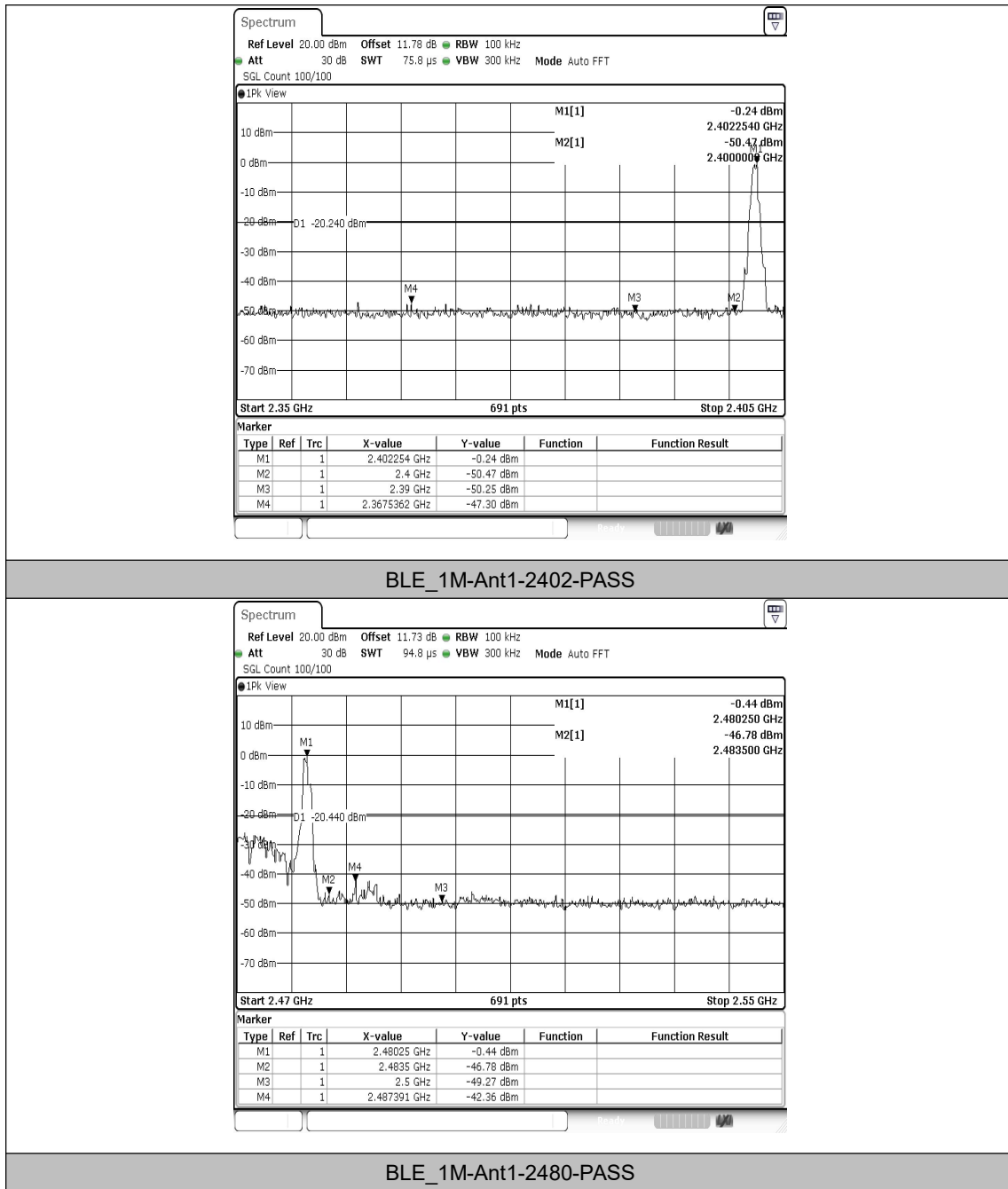
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.24	-47.3	≤-20.24	PASS
BLE_1M	Ant1	High	2480	-0.44	-42.36	≤-20.44	PASS

Test Graphs

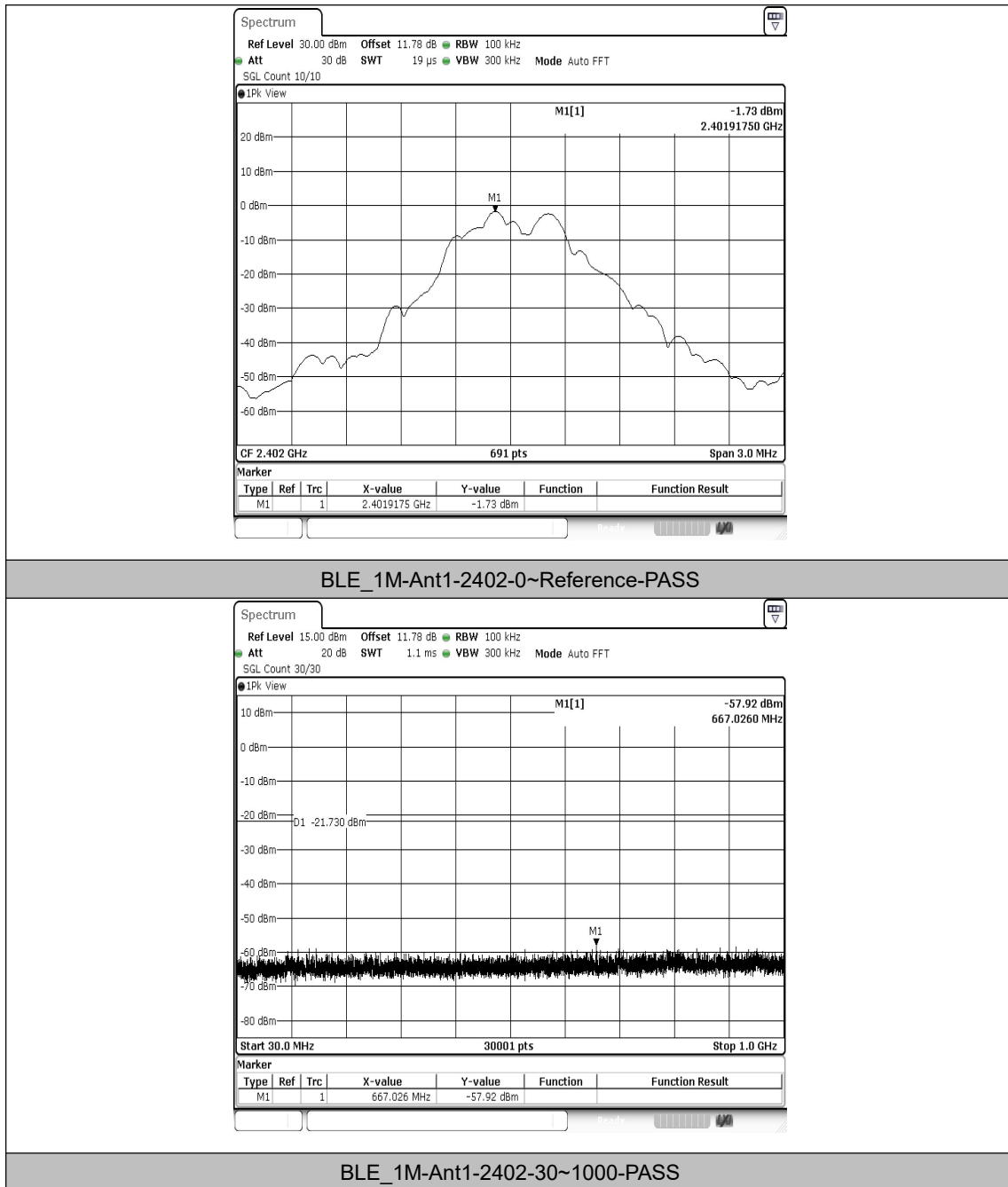


Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-1.73	-1.73	---	PASS
BLE_1M	Ant1	2402	30~1000	-1.73	-57.92	≤-21.73	PASS
BLE_1M	Ant1	2402	1000~26500	-1.73	-42.4	≤-21.73	PASS
BLE_1M	Ant1	2440	0~Reference	-2.54	-2.54	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.54	-57.56	≤-22.54	PASS
BLE_1M	Ant1	2440	1000~26500	-2.54	-33.77	≤-22.54	PASS
BLE_1M	Ant1	2480	0~Reference	-1.29	-1.29	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.29	-57.83	≤-21.29	PASS
BLE_1M	Ant1	2480	1000~26500	-1.29	-44.09	≤-21.29	PASS

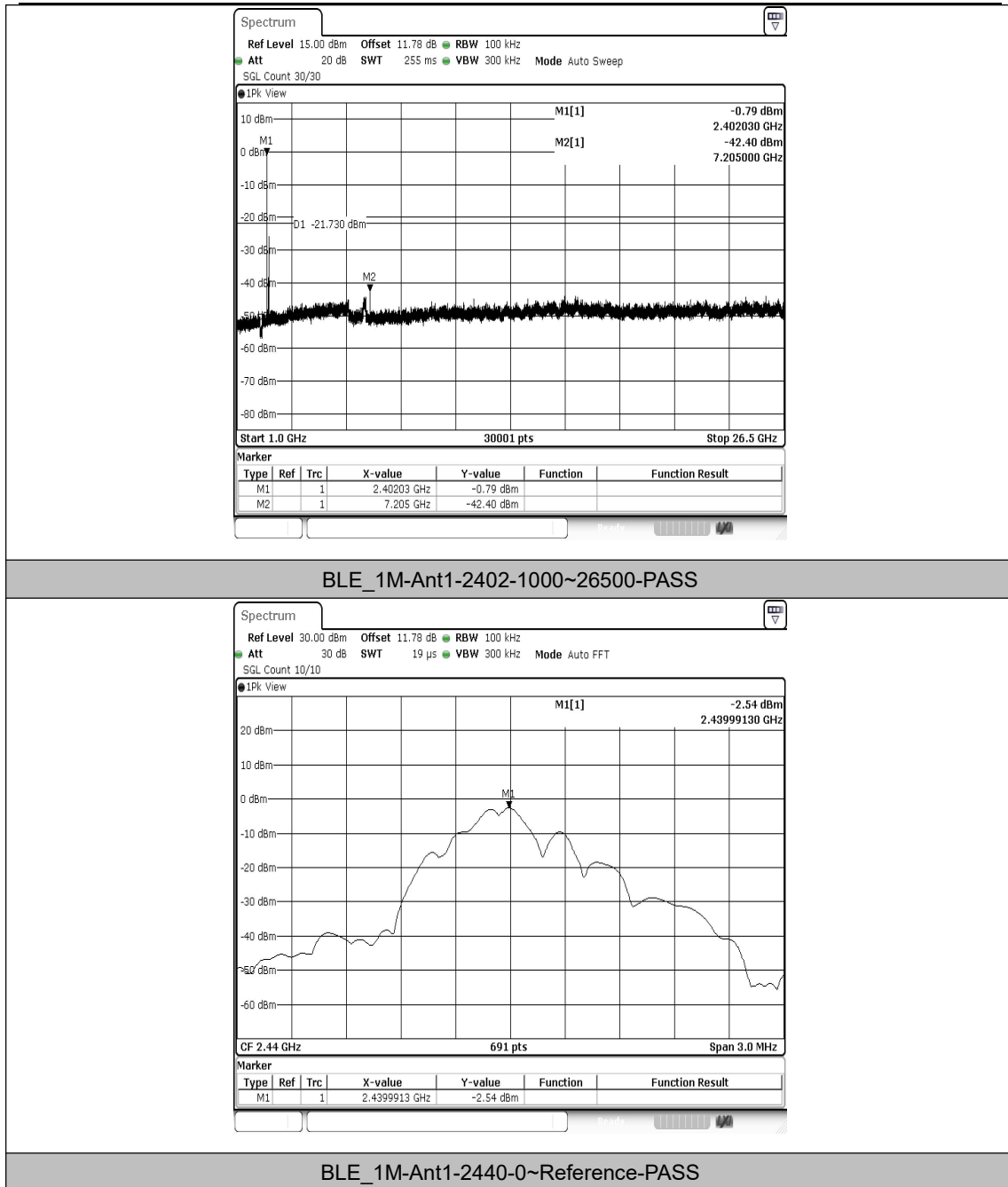
Test Graphs



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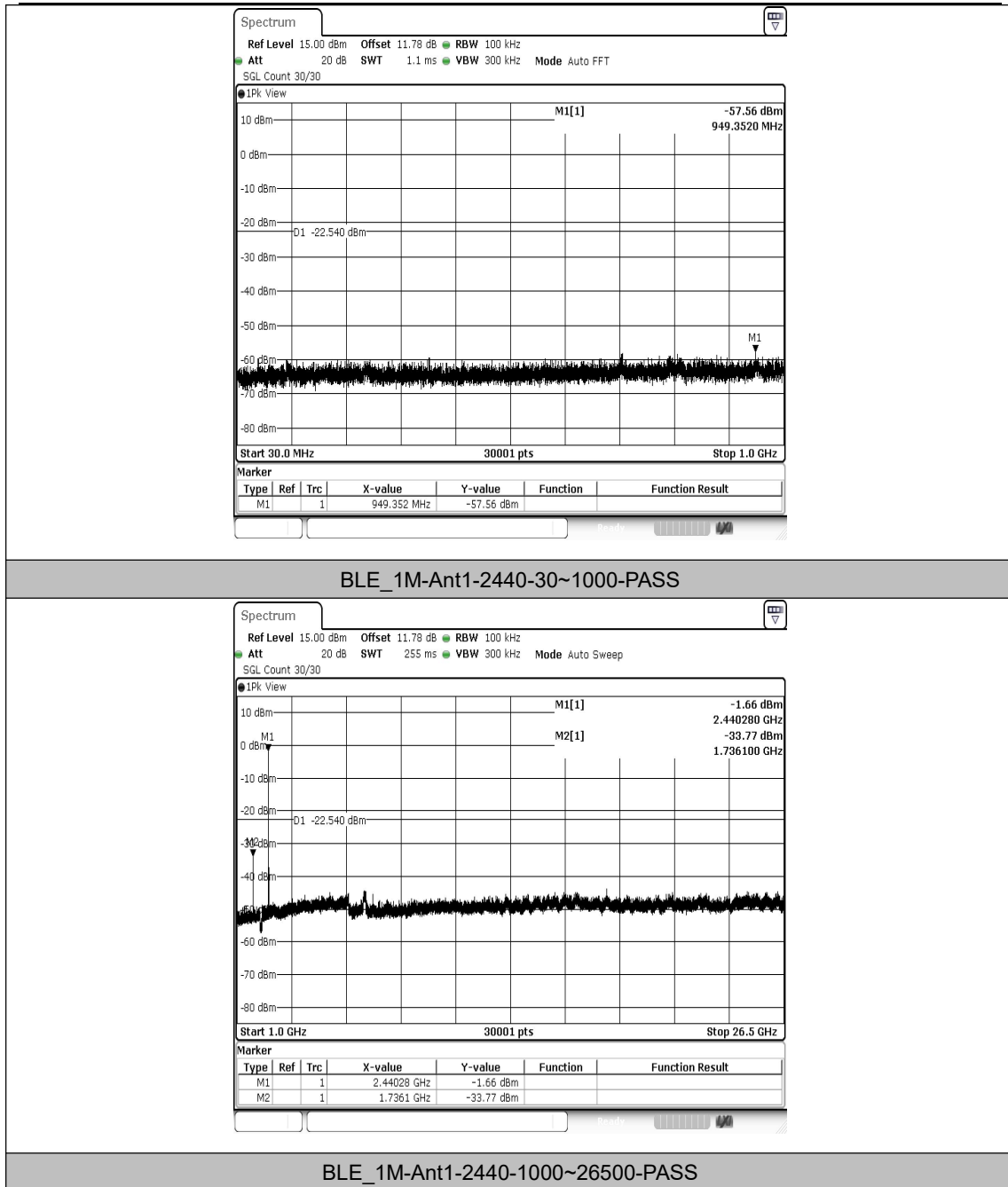
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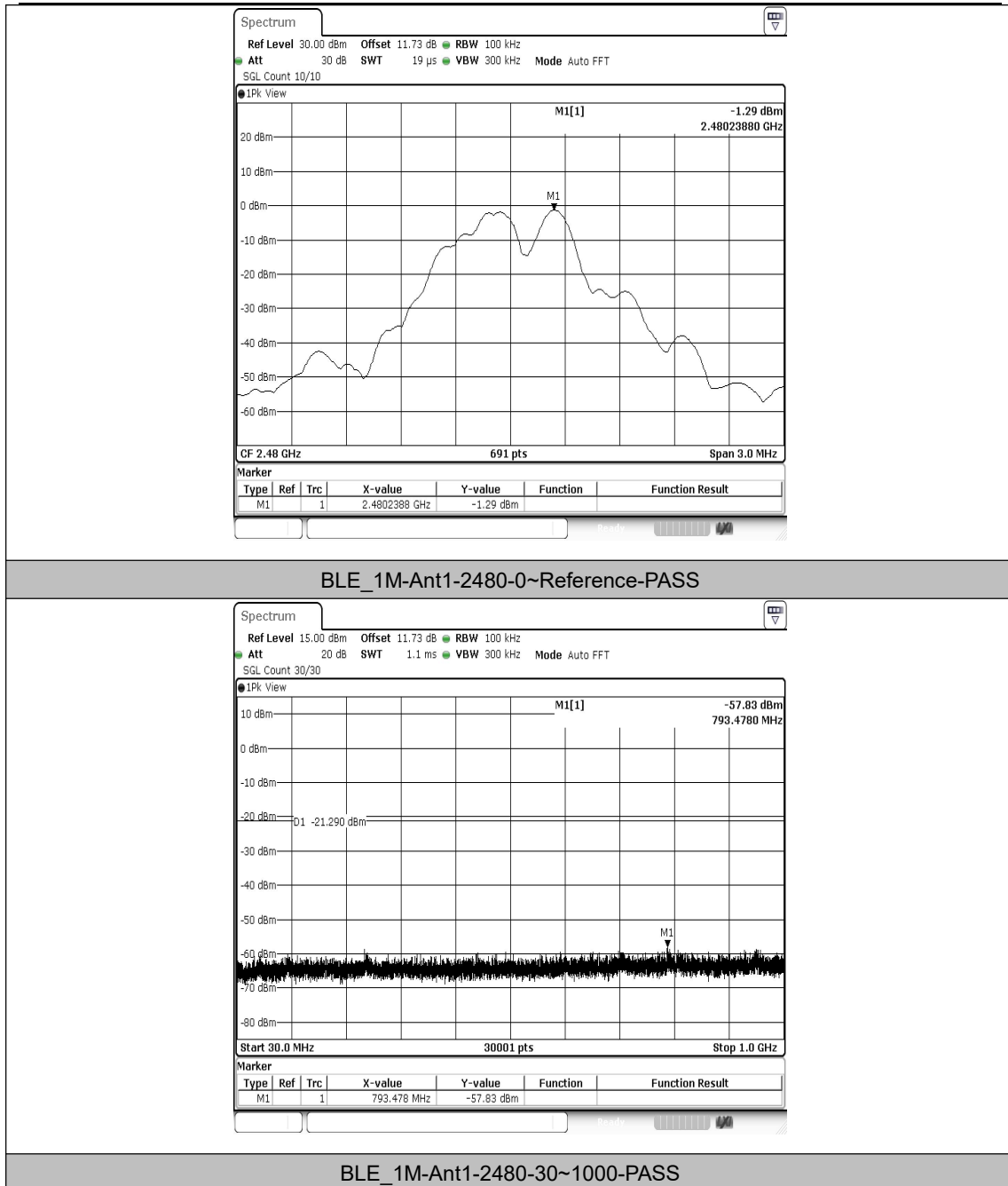


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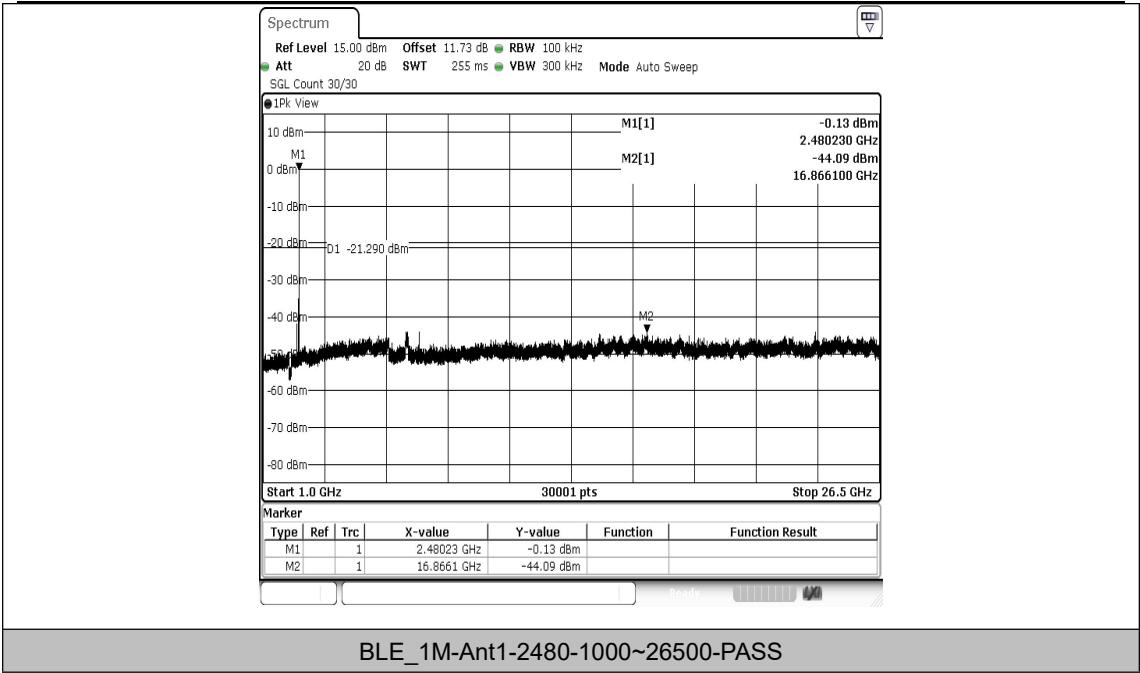




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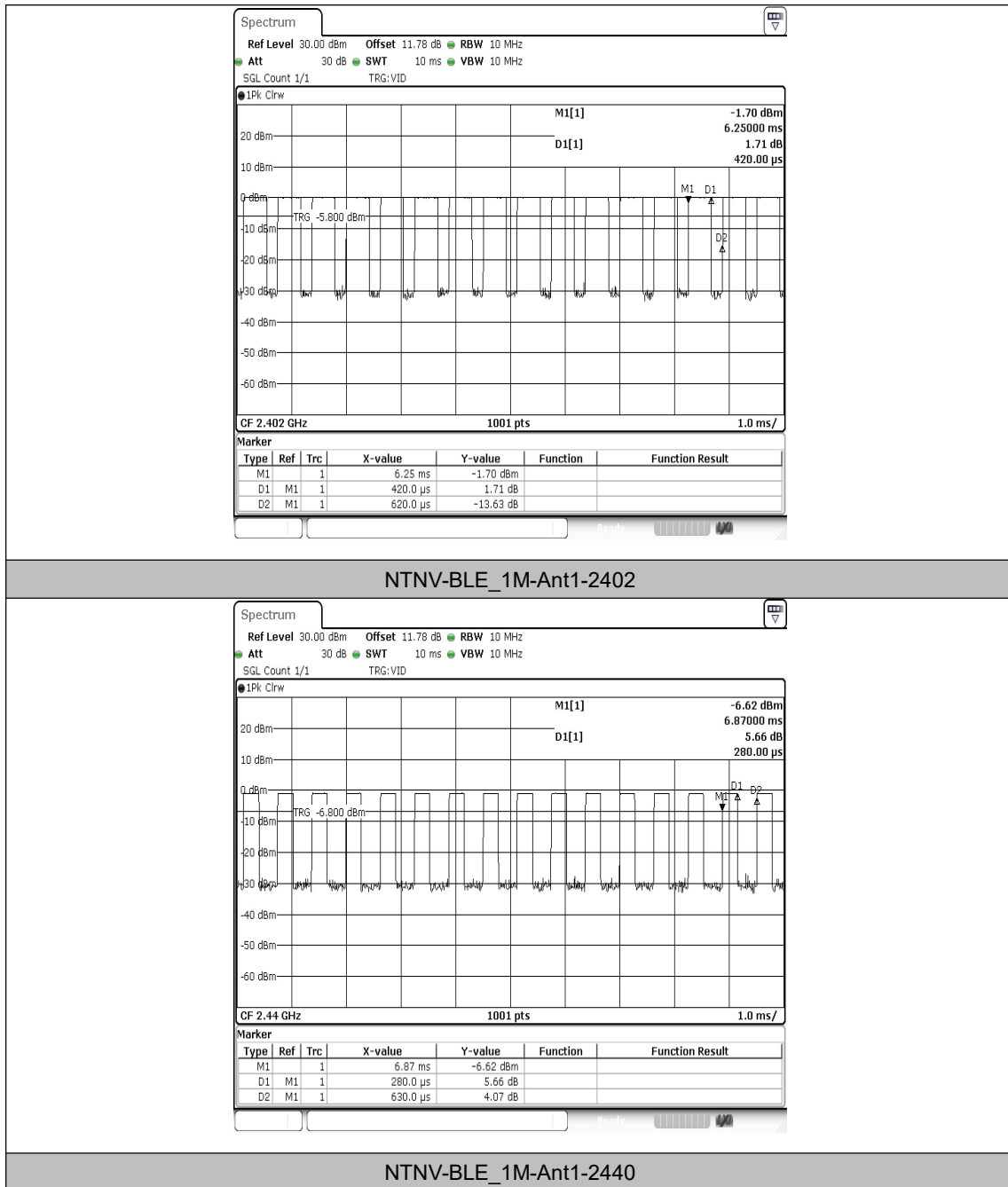
Appendix G: Duty Cycle

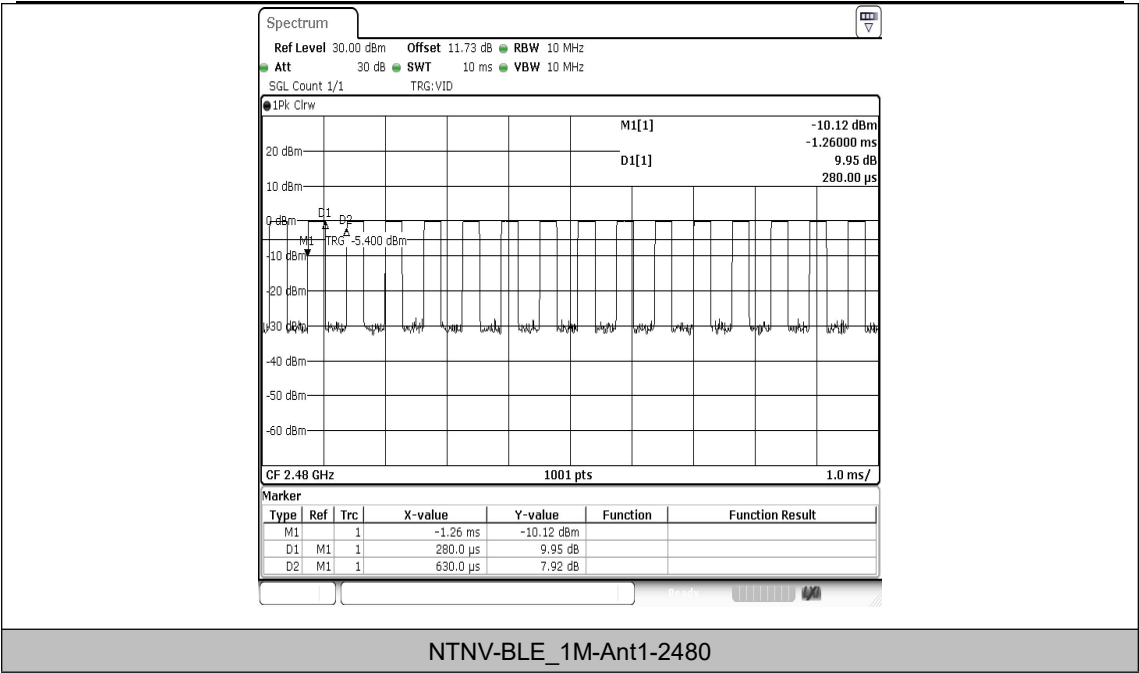
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.42	0.62	67.74	1.69
BLE_1M	Ant1	2440	0.28	0.63	44.44	3.52
BLE_1M	Ant1	2480	0.28	0.63	44.44	3.52



Test Graphs





---End---