

Appendix Test Data

Report No.:	1818C50004412501	Test Sample No.:	1-2-2
Start Test Date:	2025.1.10	Finish Test Date:	2025.1.11
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.7°C	Relative Humidity:	53%
Pressure:	101kPa		

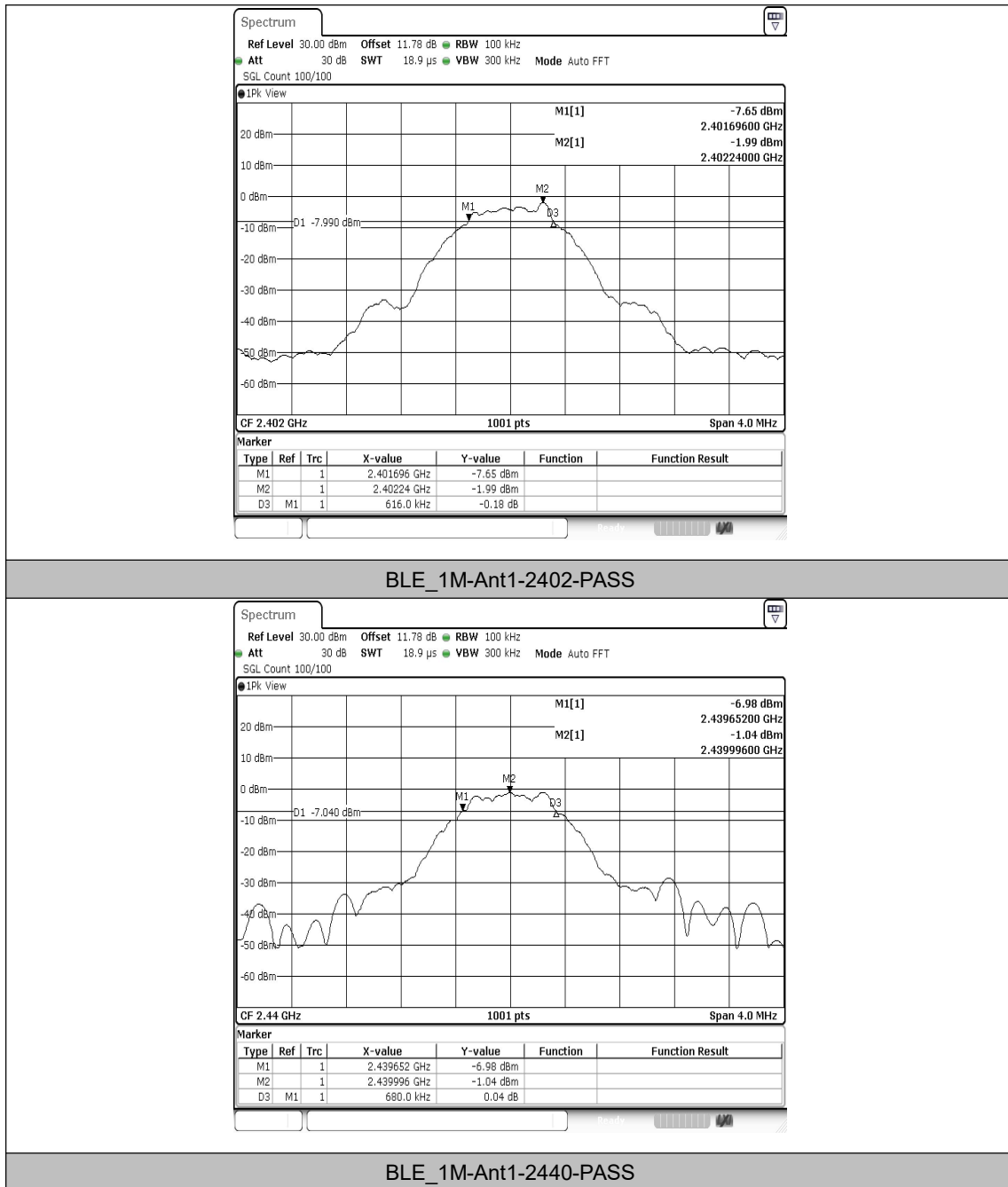
Appendix A: 6dB Bandwidth

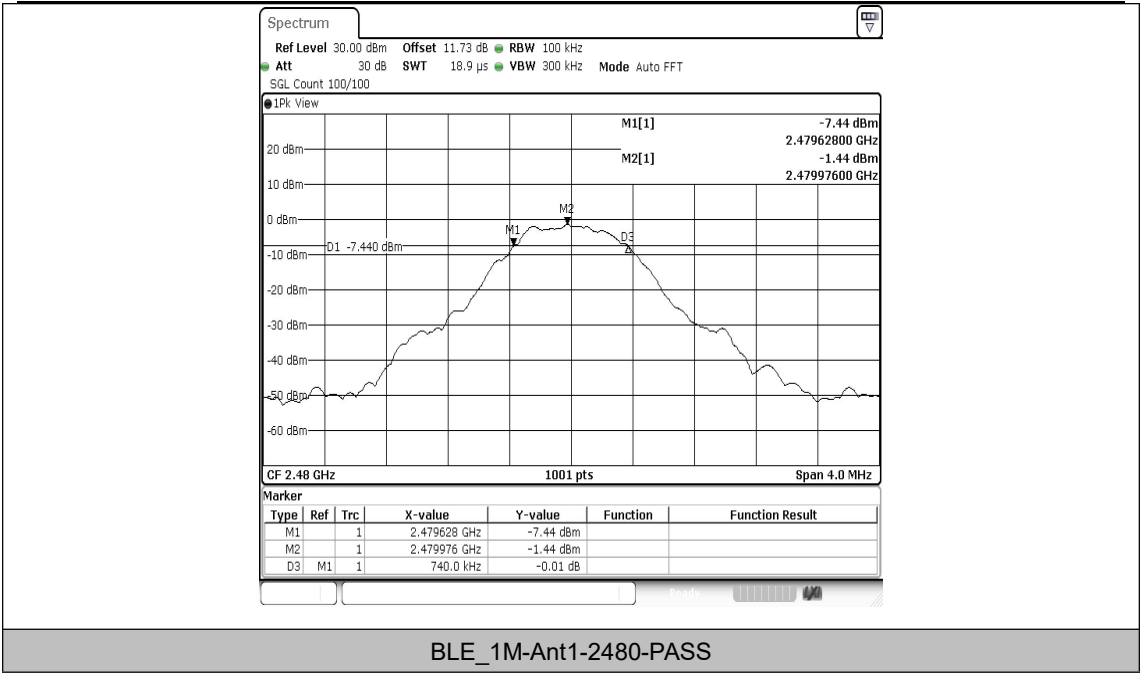
Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.62	2401.70	2402.31	0.5	PASS
BLE_1M	Ant1	2440	0.68	2439.65	2440.33	0.5	PASS
BLE_1M	Ant1	2480	0.74	2479.63	2480.37	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	1.047	2401.4725	2402.5195	---	---
BLE_1M	Ant1	2440	1.075	2439.4645	2440.5395	---	---
BLE_1M	Ant1	2480	1.063	2479.4685	2480.5315	---	---

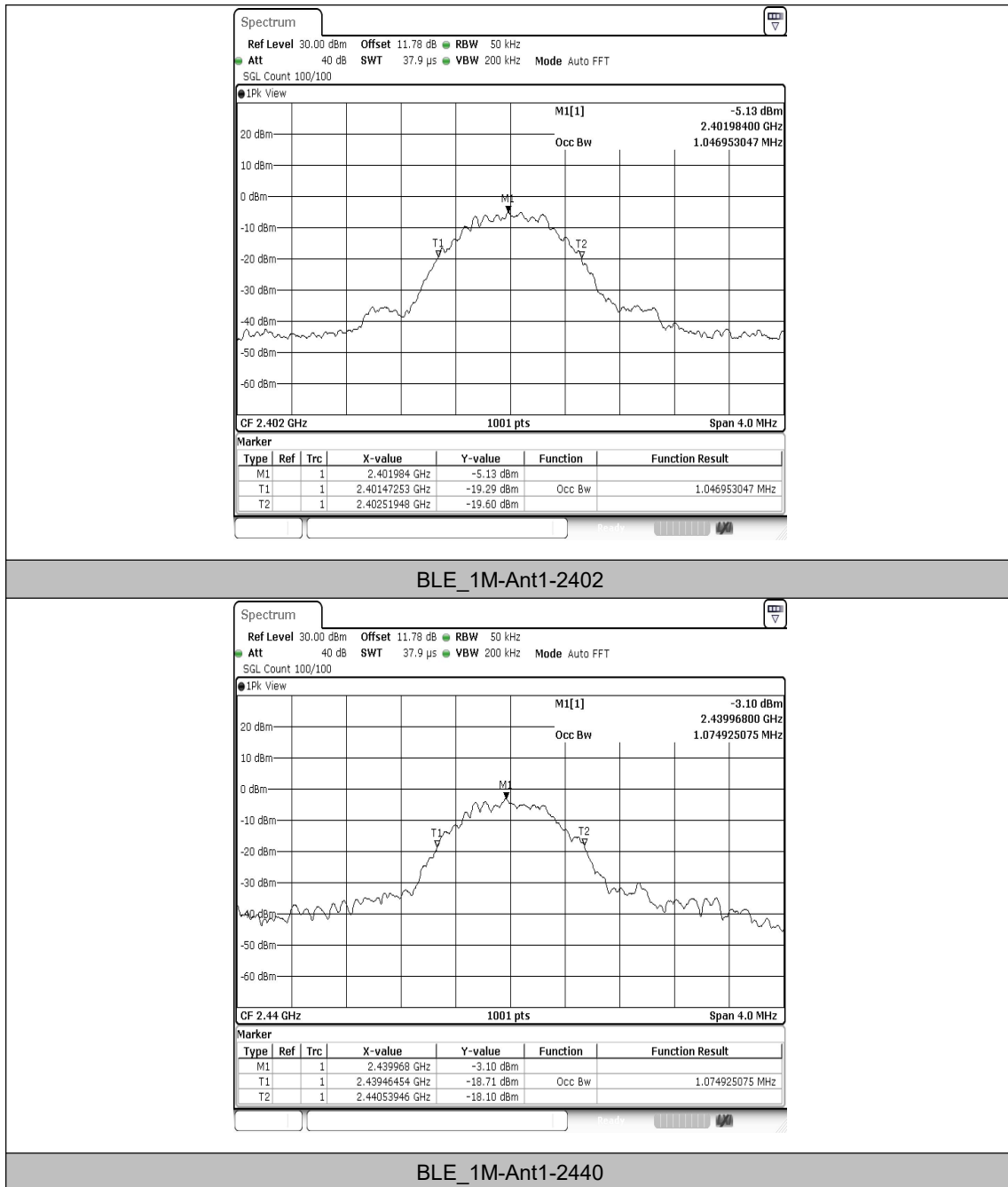
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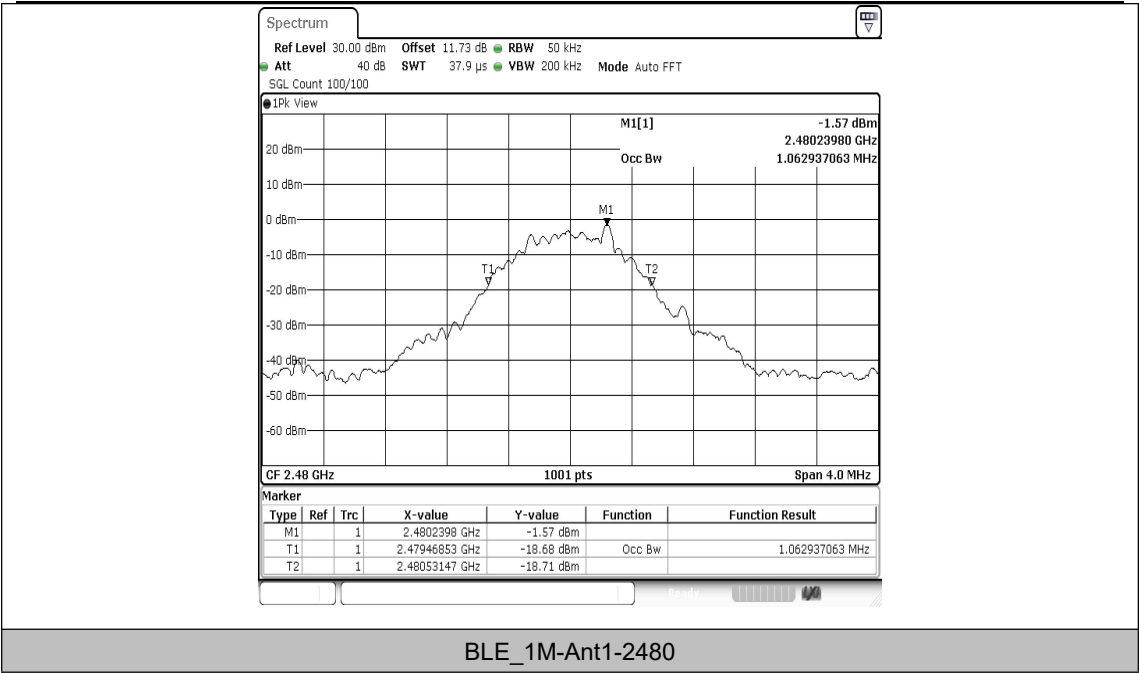
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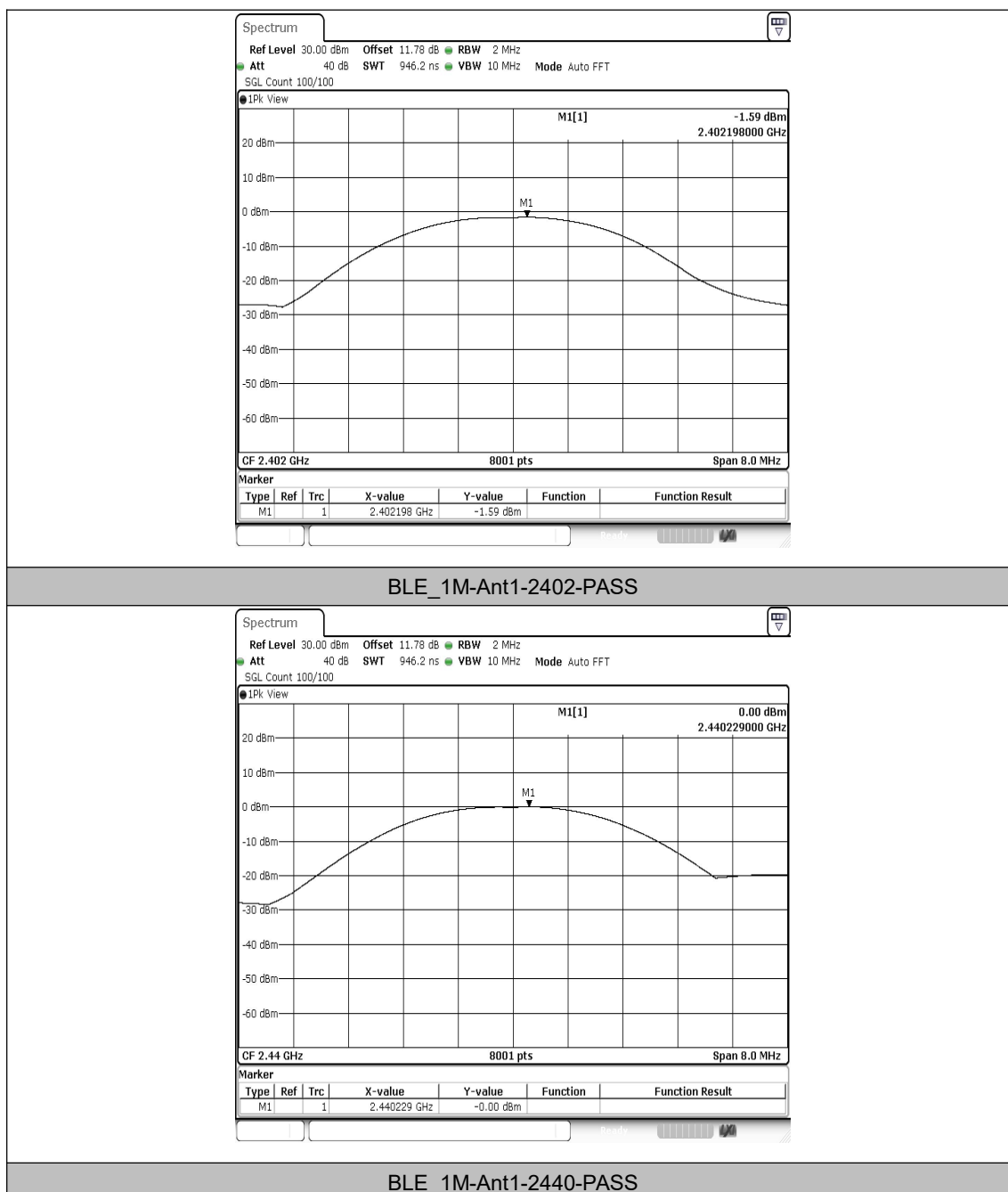
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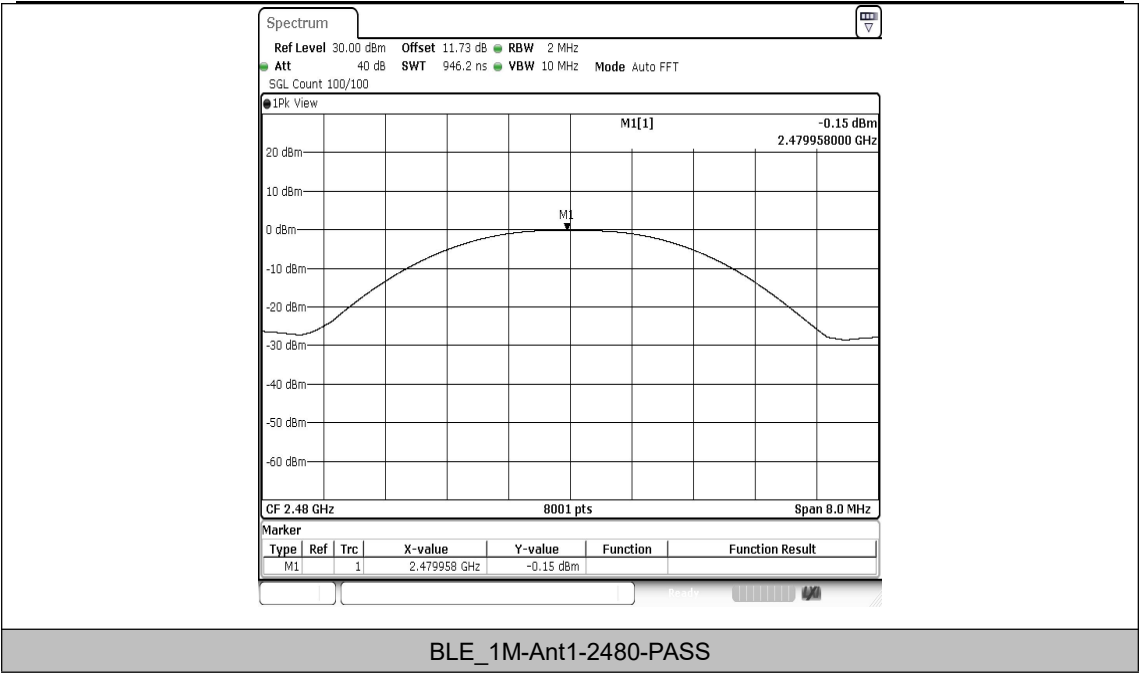
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.59	≤30	PASS
BLE_1M	Ant1	2440	0.00	≤30	PASS
BLE_1M	Ant1	2480	-0.15	≤30	PASS

Test Graphs Peak





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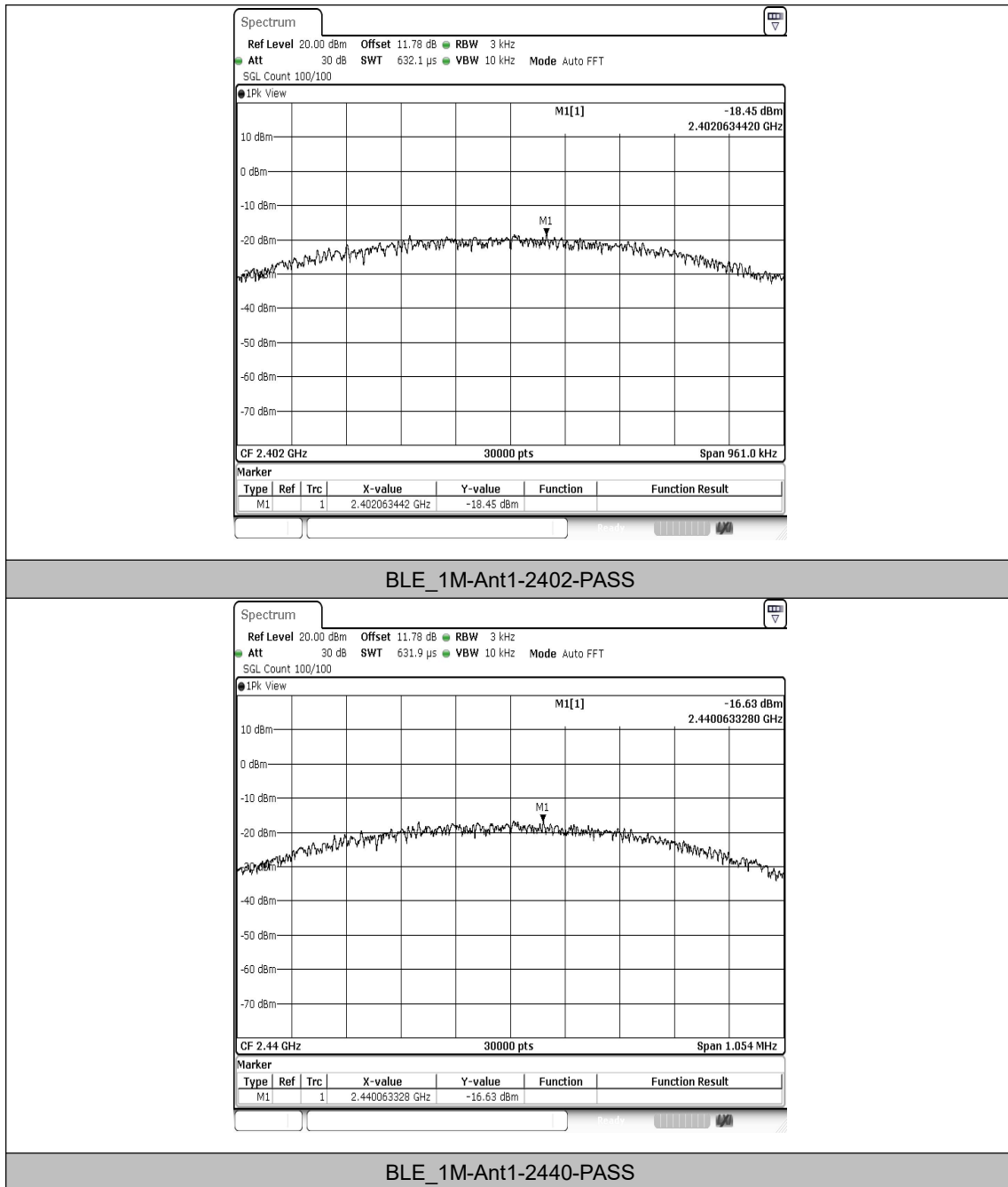
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.45	≤8.00	PASS
BLE_1M	Ant1	2440	-16.63	≤8.00	PASS
BLE_1M	Ant1	2480	-16.83	≤8.00	PASS



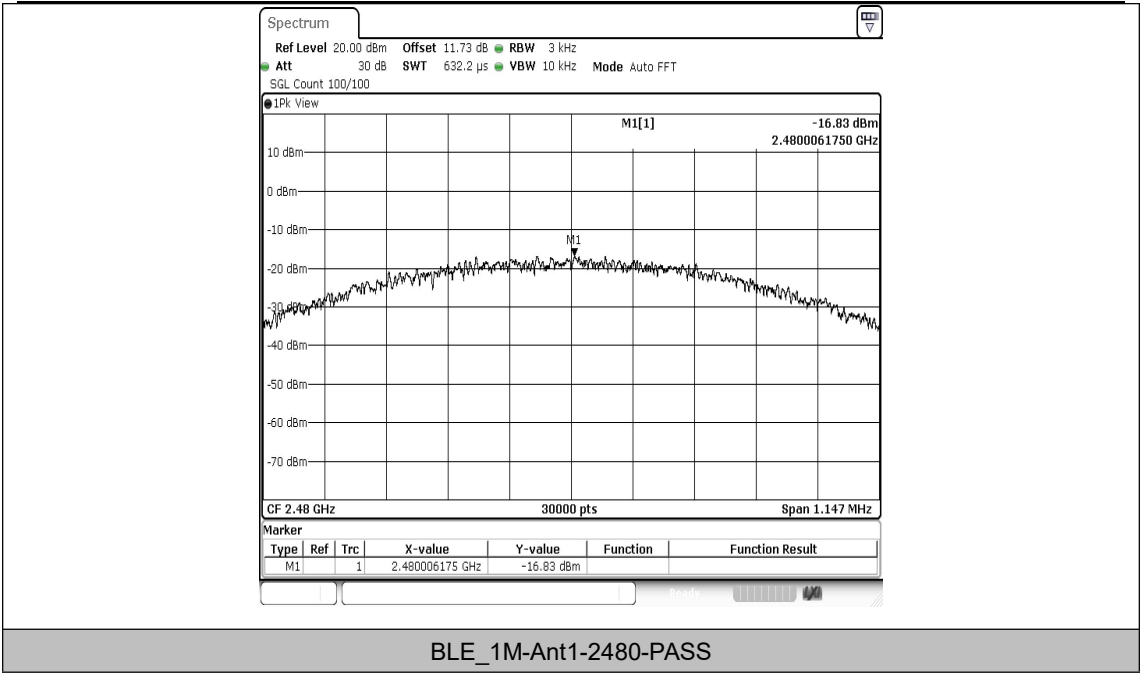
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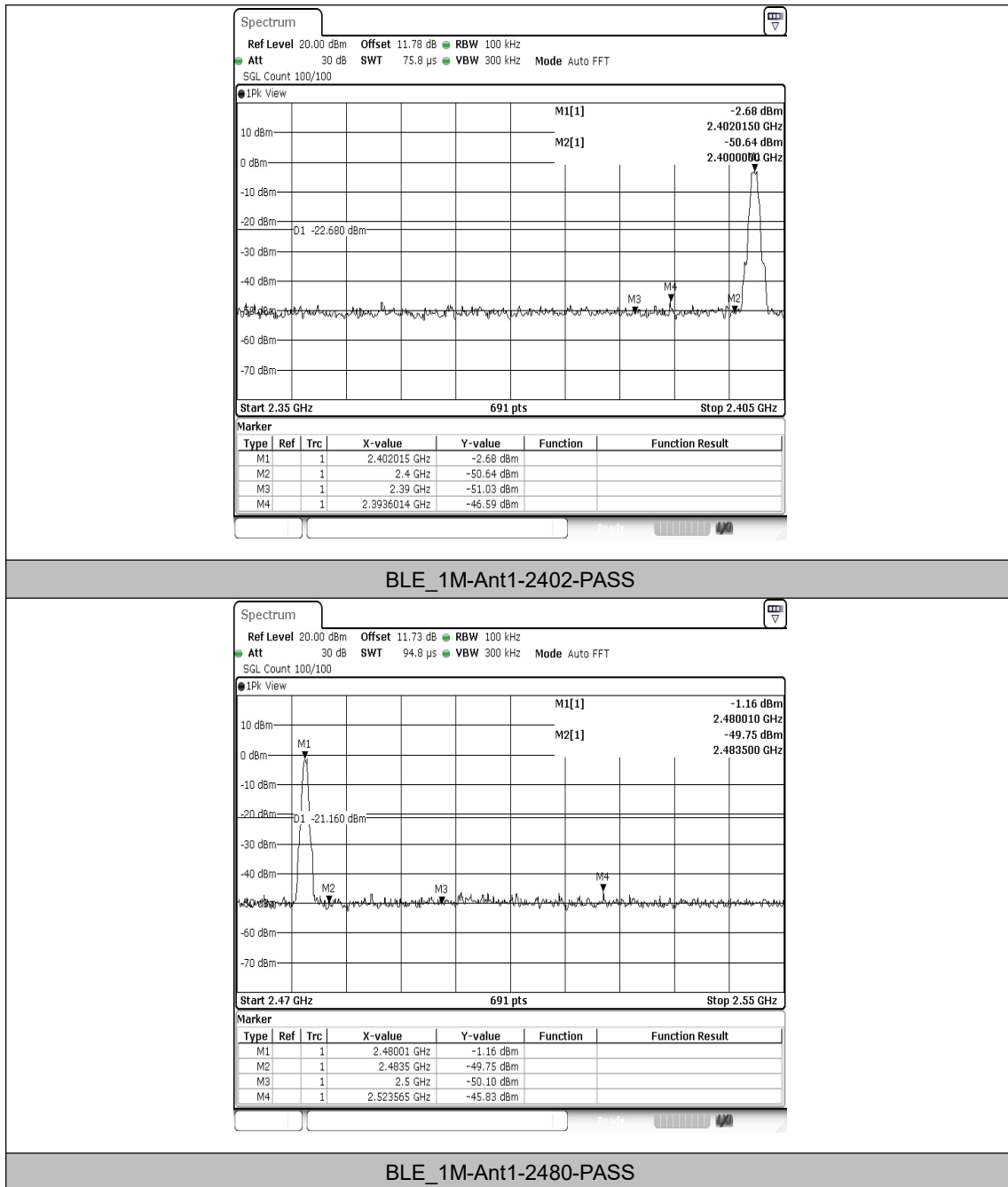
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.68	-46.59	≤-22.68	PASS
BLE_1M	Ant1	High	2480	-1.16	-45.83	≤-21.16	PASS

Test Graphs

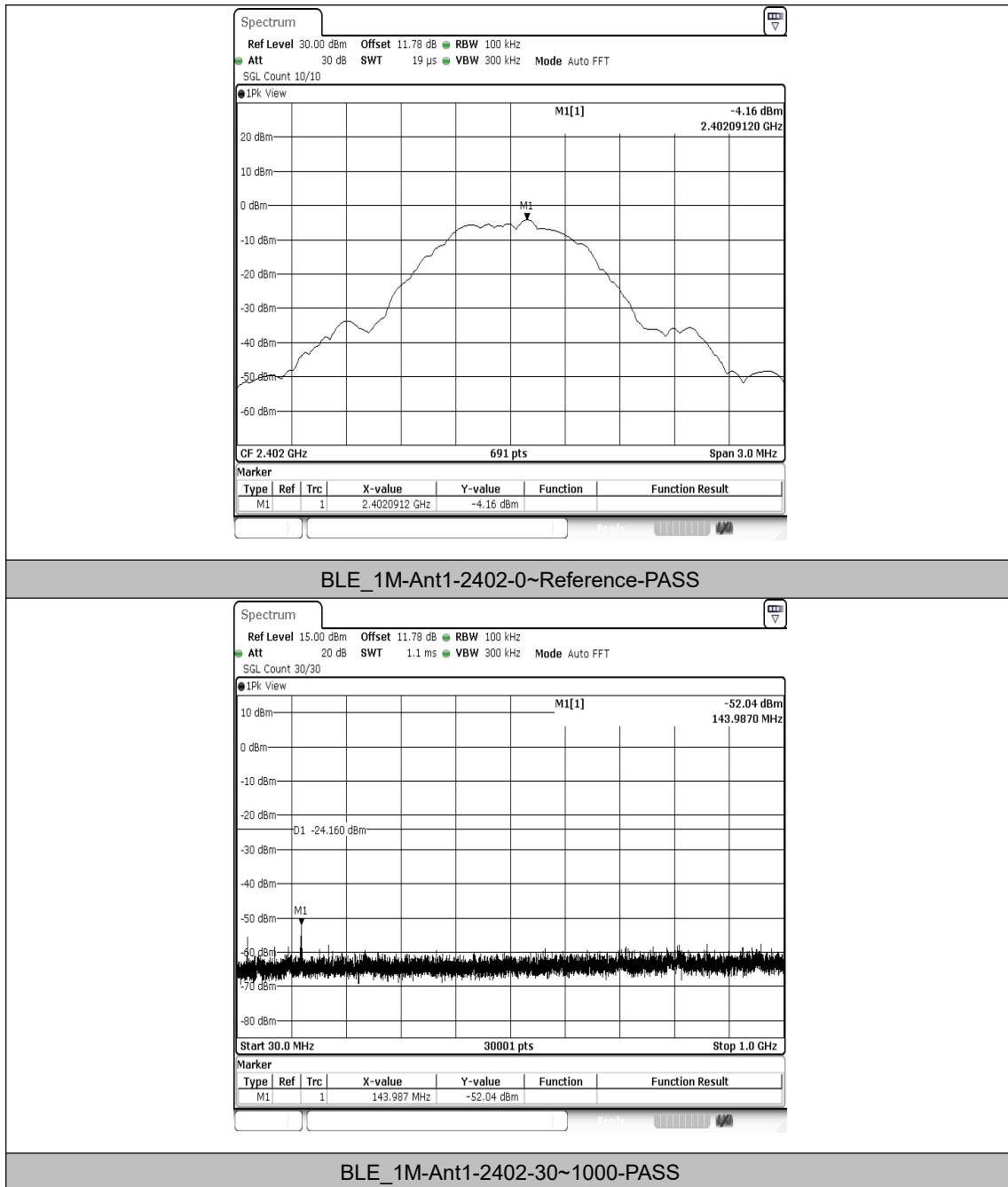


Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-4.16	-4.16	---	PASS
BLE_1M	Ant1	2402	30~1000	-4.16	-52.04	≤-24.16	PASS
BLE_1M	Ant1	2402	1000~26500	-4.16	-44.06	≤-24.16	PASS
BLE_1M	Ant1	2440	0~Reference	-1.70	-1.70	---	PASS
BLE_1M	Ant1	2440	30~1000	-1.70	-53.5	≤-21.7	PASS
BLE_1M	Ant1	2440	1000~26500	-1.70	-43.13	≤-21.7	PASS
BLE_1M	Ant1	2480	0~Reference	-1.69	-1.69	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.69	-51.91	≤-21.69	PASS
BLE_1M	Ant1	2480	1000~26500	-1.69	-42.23	≤-21.69	PASS

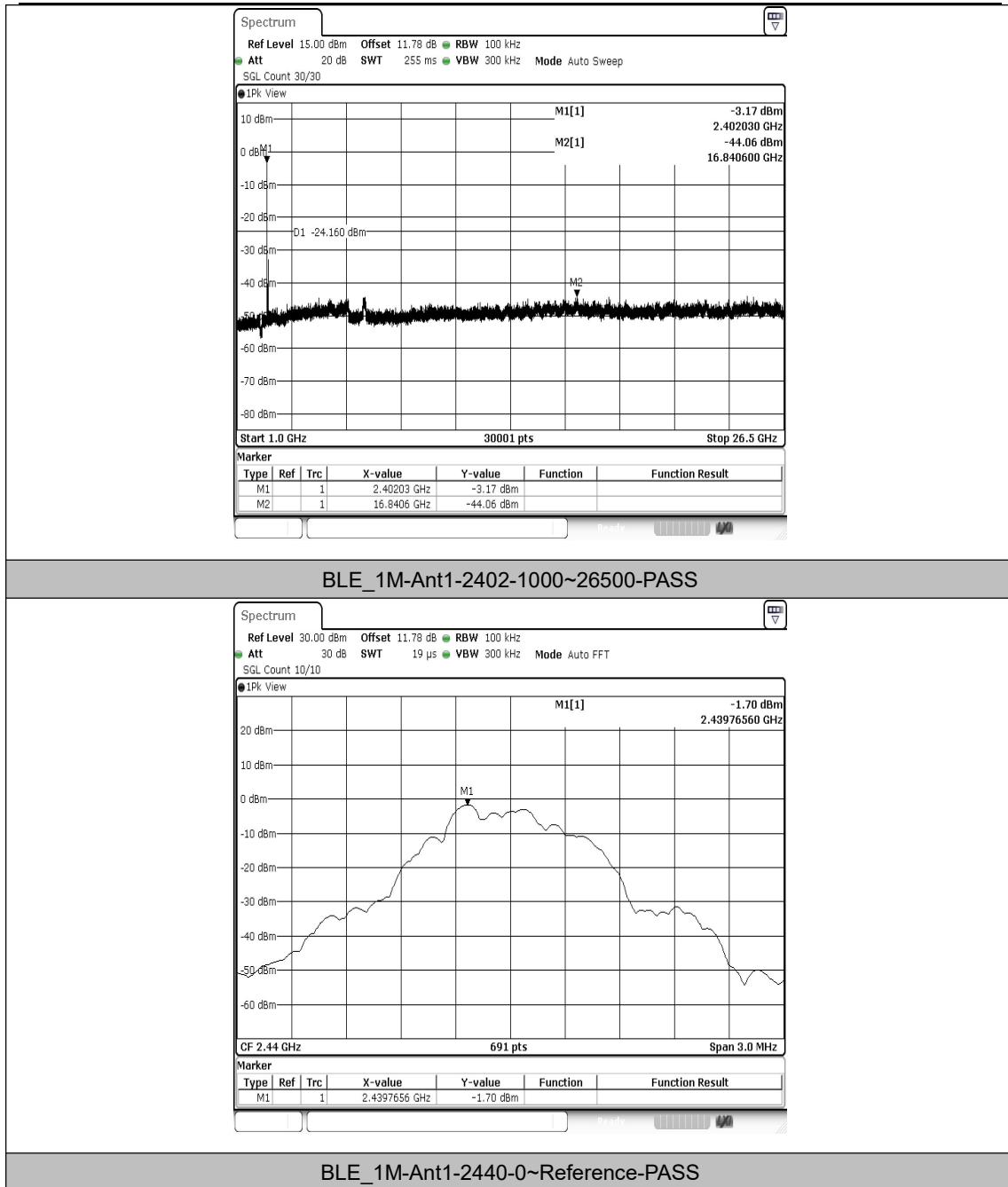
Test Graphs

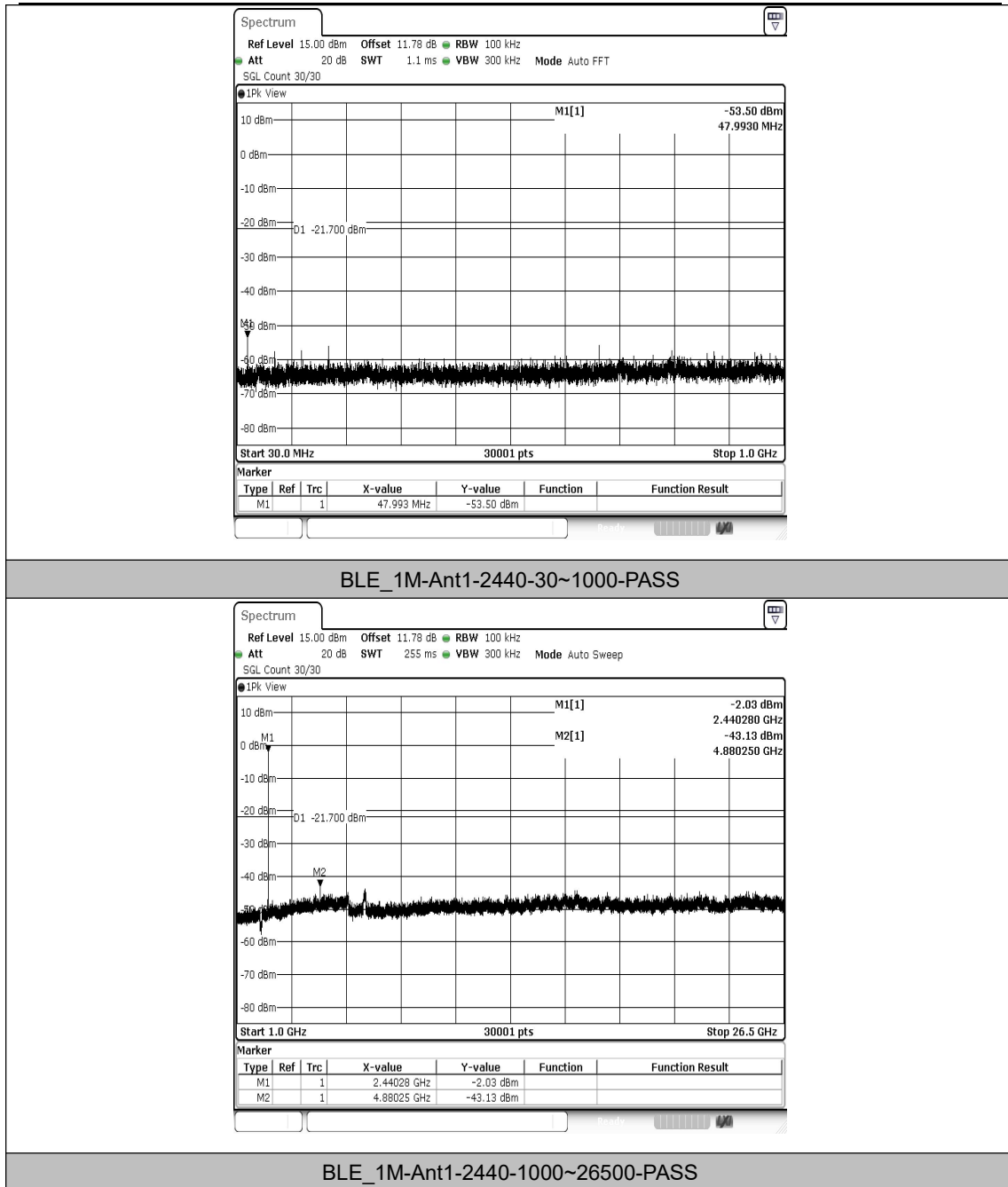


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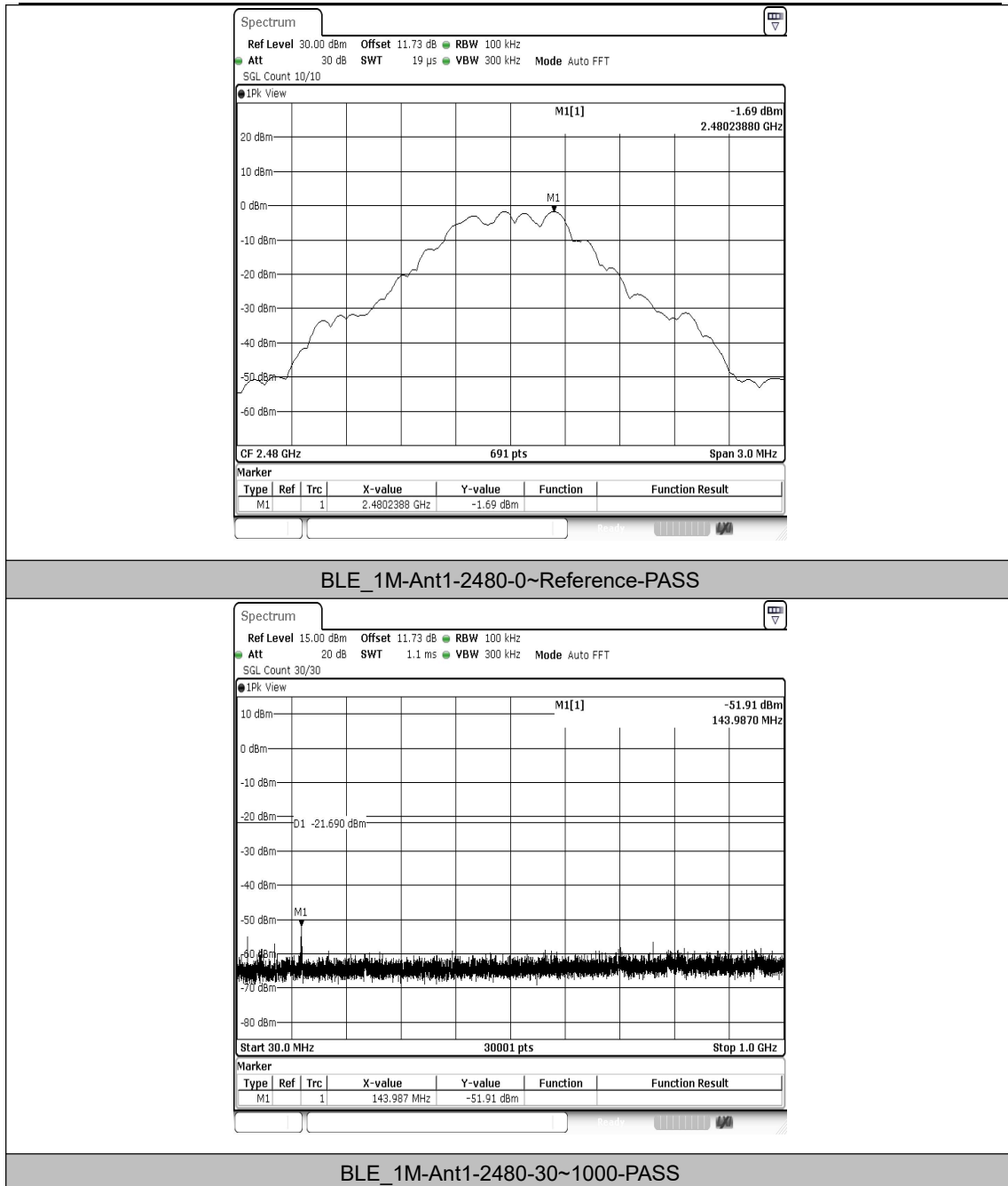




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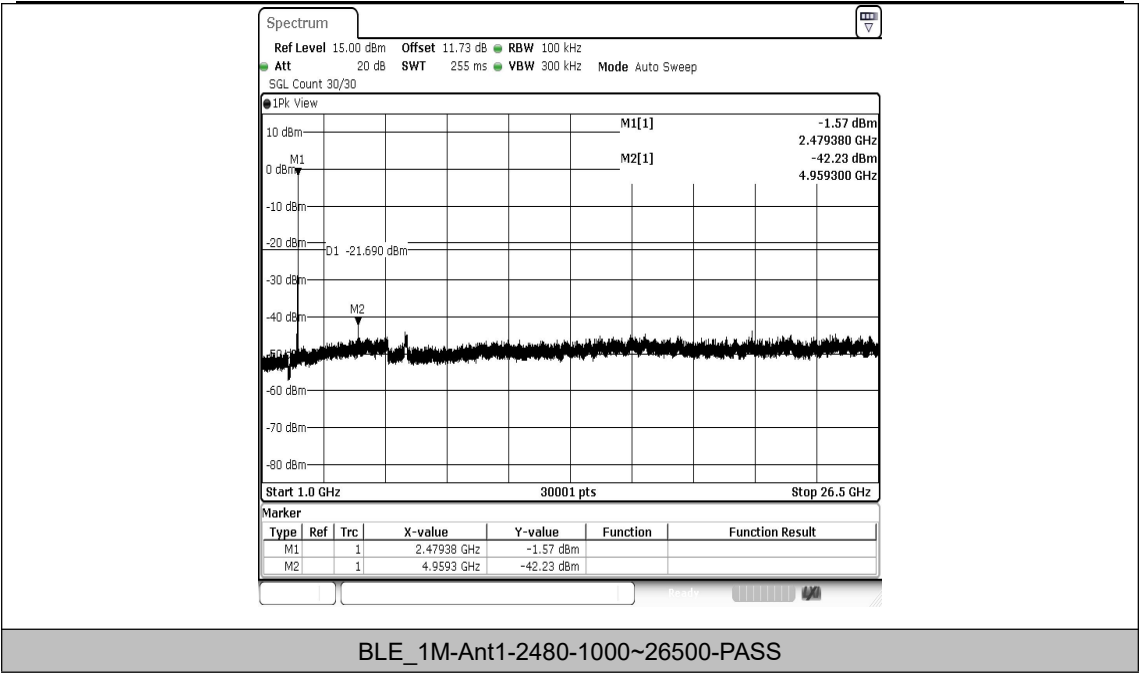
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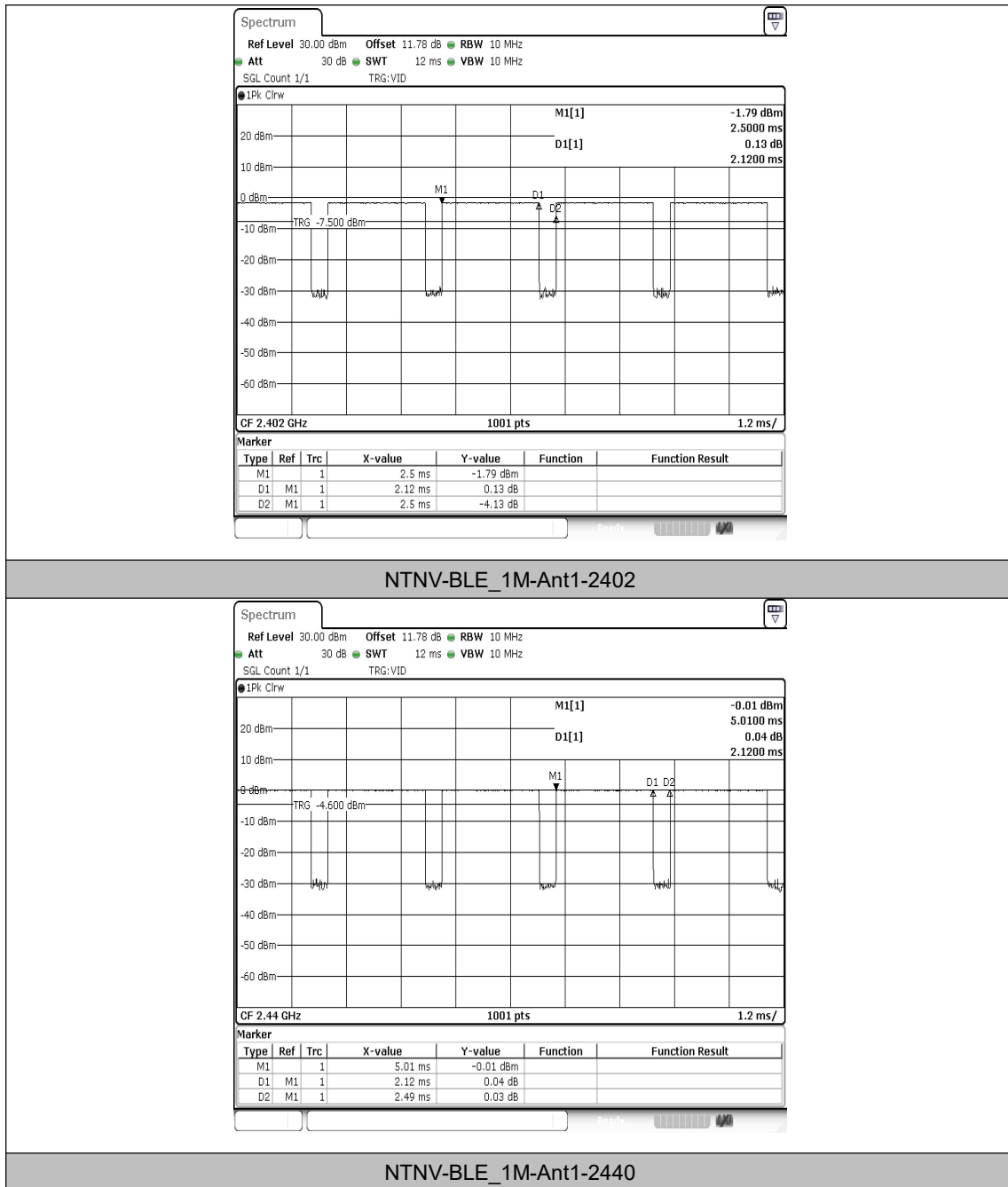
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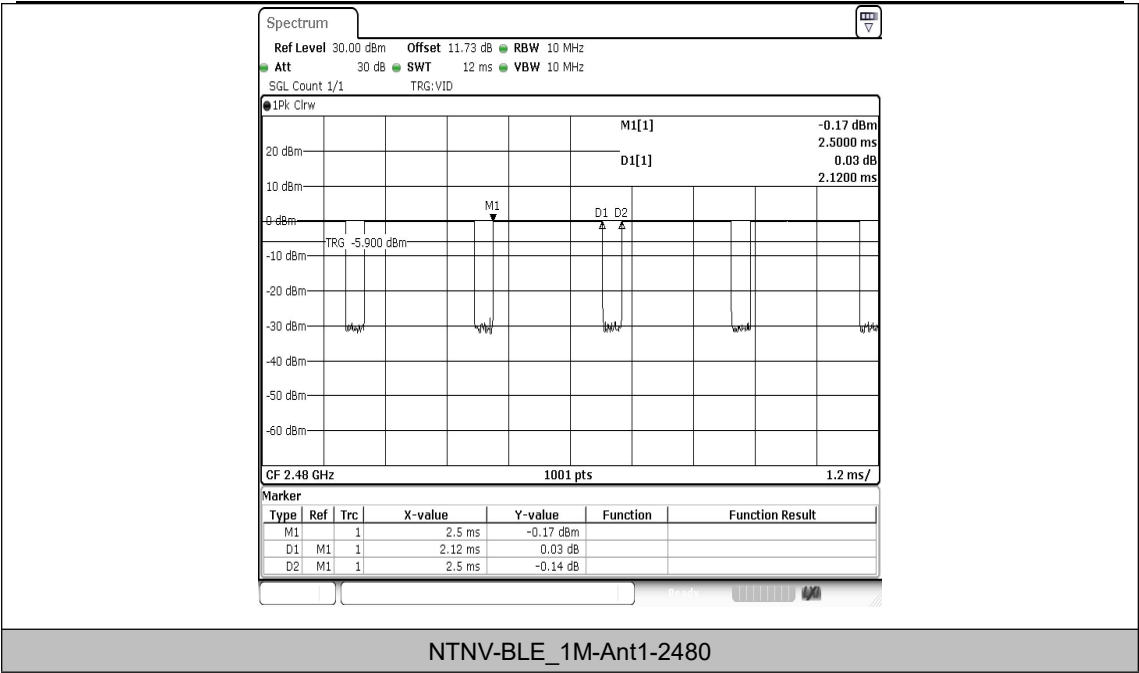
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.12	2.50	84.80	0.72
BLE_1M	Ant1	2440	2.12	2.49	85.14	0.70
BLE_1M	Ant1	2480	2.12	2.50	84.80	0.72

Test Graphs





---End---