

Appendix Test Data

Report No.:	1814C40138312501	Test Sample No.:	1-2-2
Start Test Date:	2024.11.19	Finish Test Date:	2024.11.25
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.6°C	Relative Humidity:	56.5%
Pressure:	101kPa		

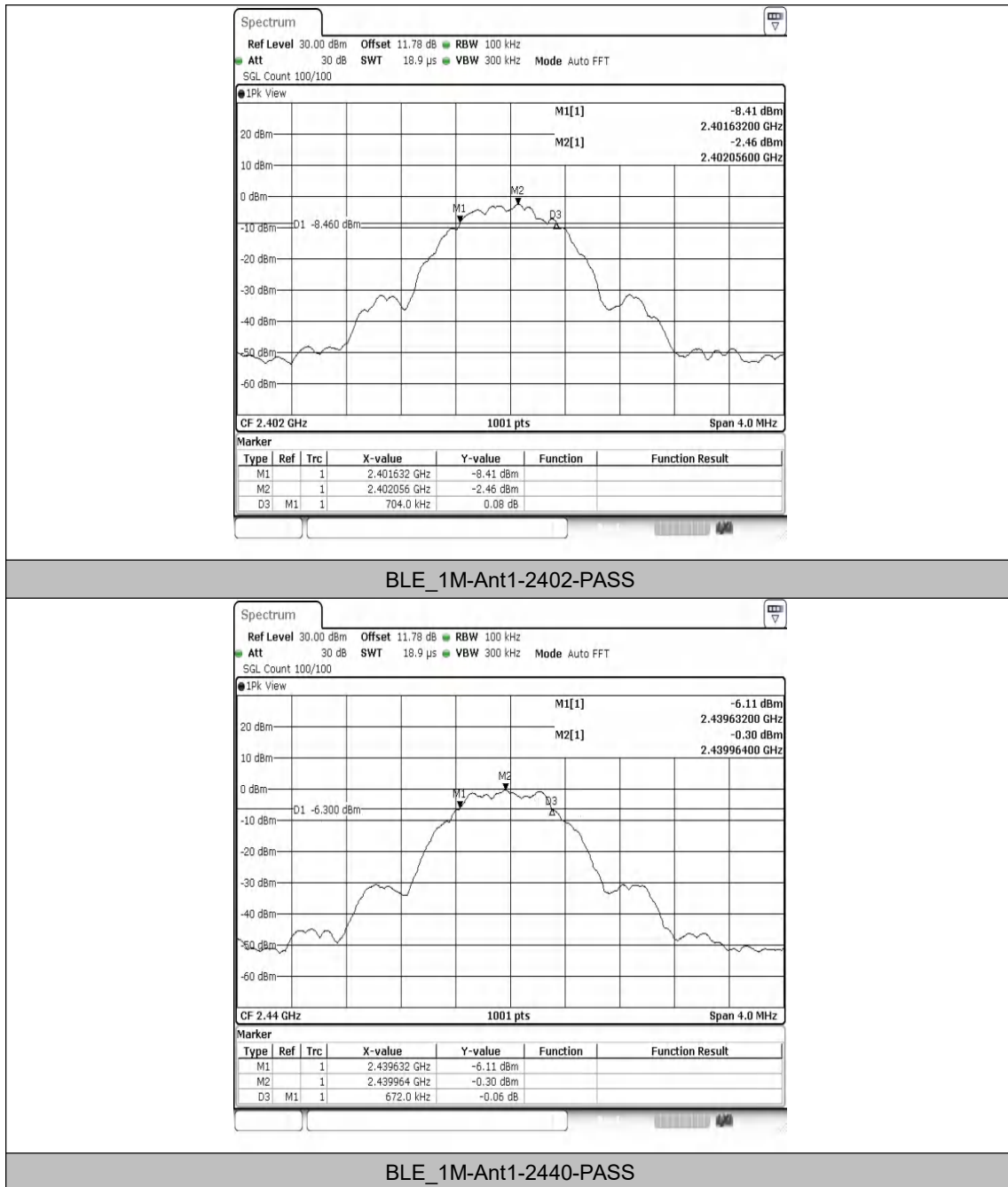
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.70	2401.63	2402.34	0.5	PASS
BLE_1M	Ant1	2440	0.67	2439.63	2440.30	0.5	PASS
BLE_1M	Ant1	2480	0.67	2479.63	2480.30	0.5	PASS



Test Graphs





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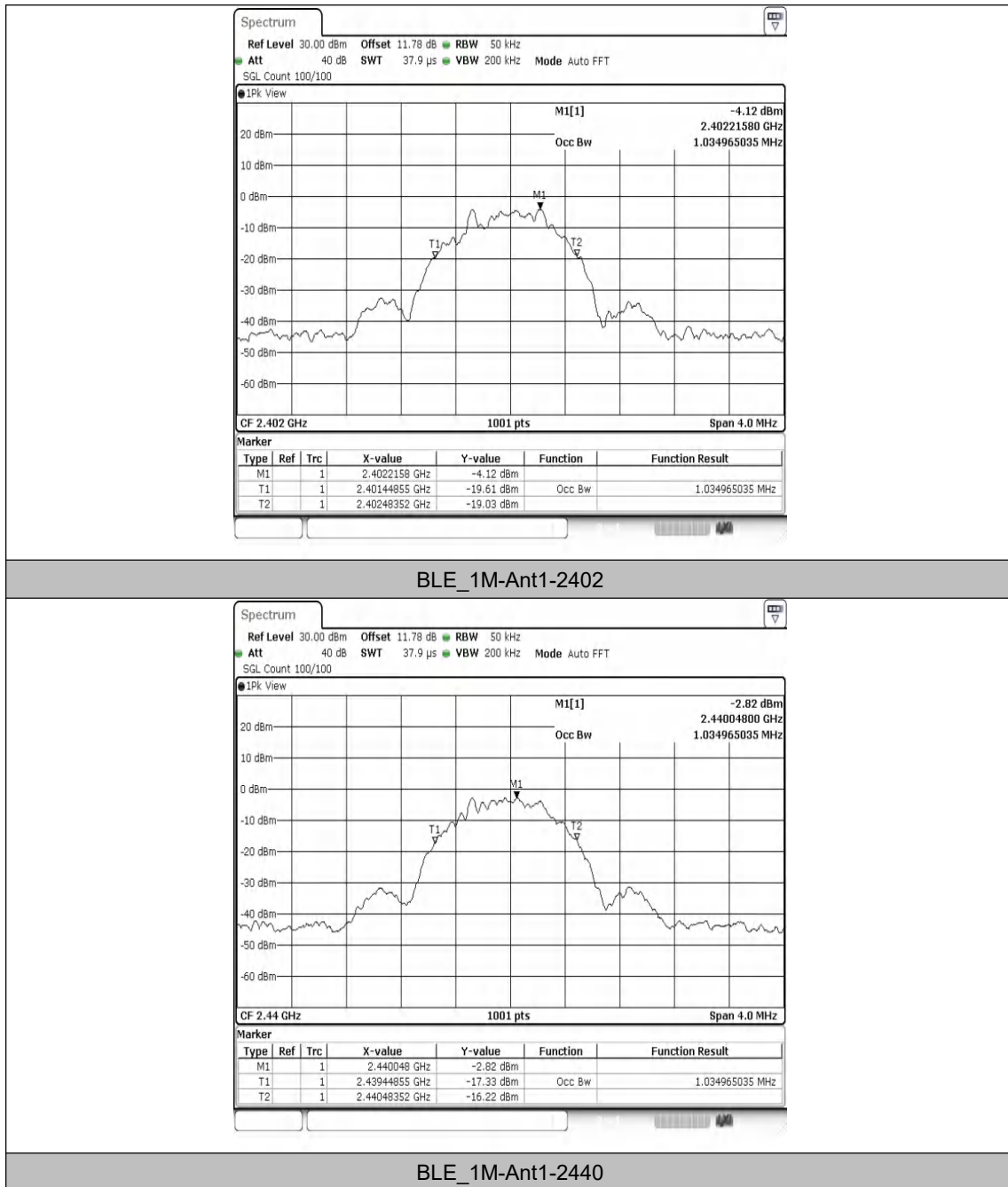
Appendix B: 99% Occupied Bandwidth

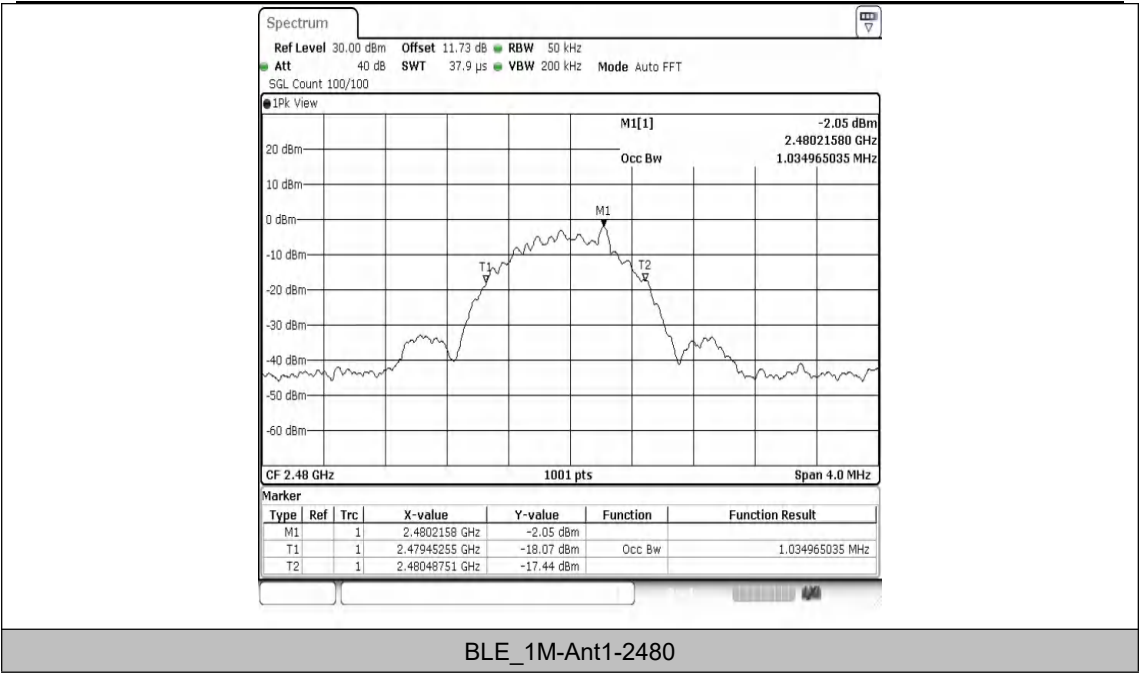
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.035	2401.4486	2402.4835	---	---
BLE_1M	Ant1	2440	1.035	2439.4486	2440.4835	---	---
BLE_1M	Ant1	2480	1.035	2479.4525	2480.4875	---	---



Test Graphs





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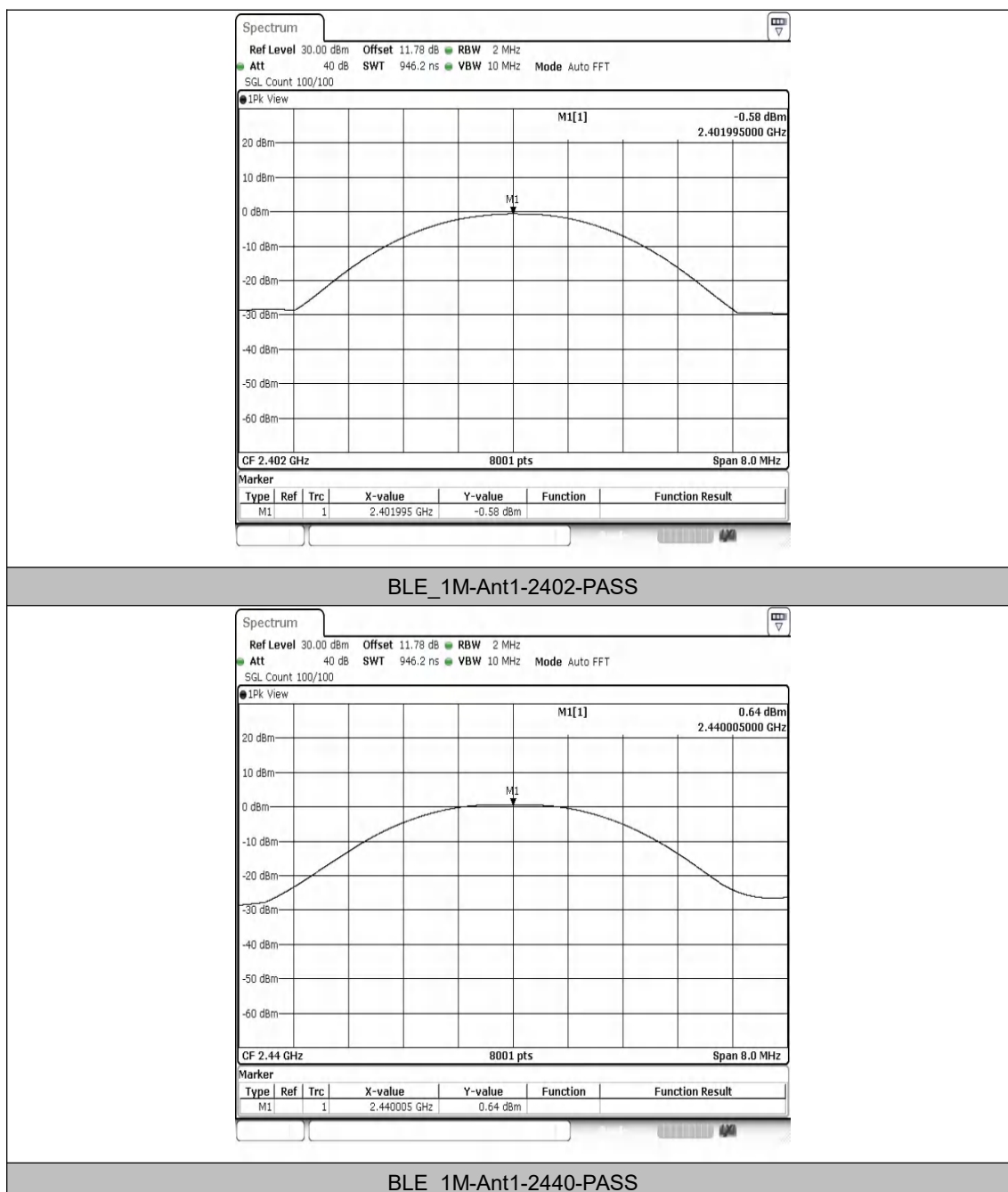


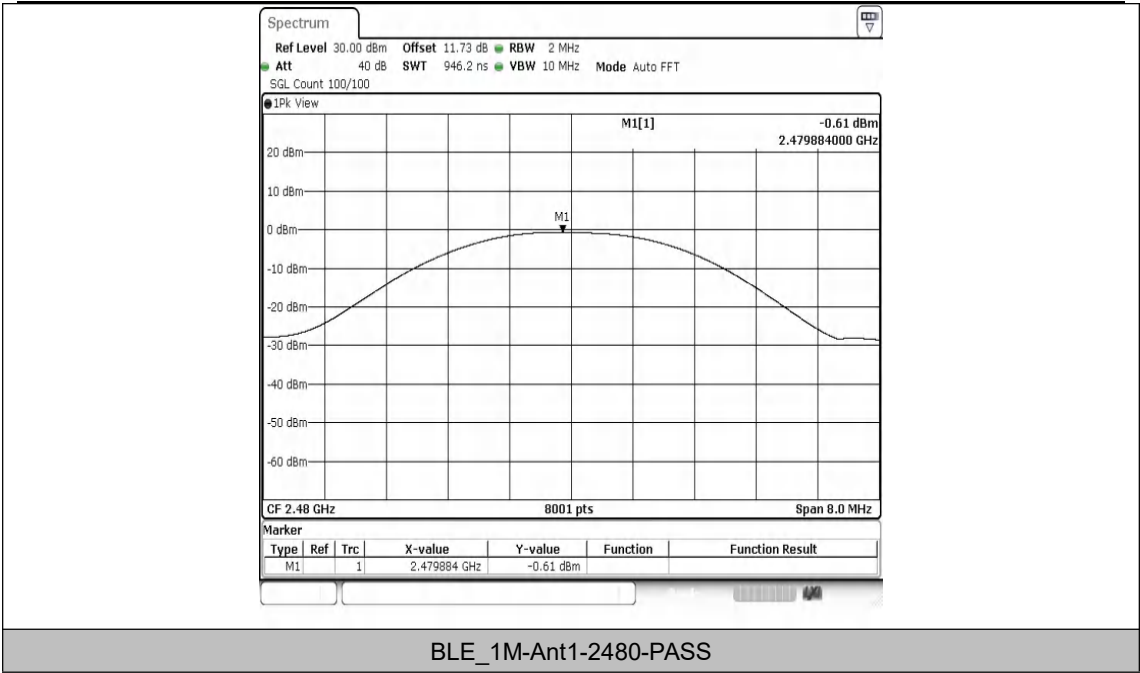
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.58	≤30	PASS
BLE_1M	Ant1	2440	0.64	≤30	PASS
BLE_1M	Ant1	2480	-0.61	≤30	PASS

Test Graphs Peak





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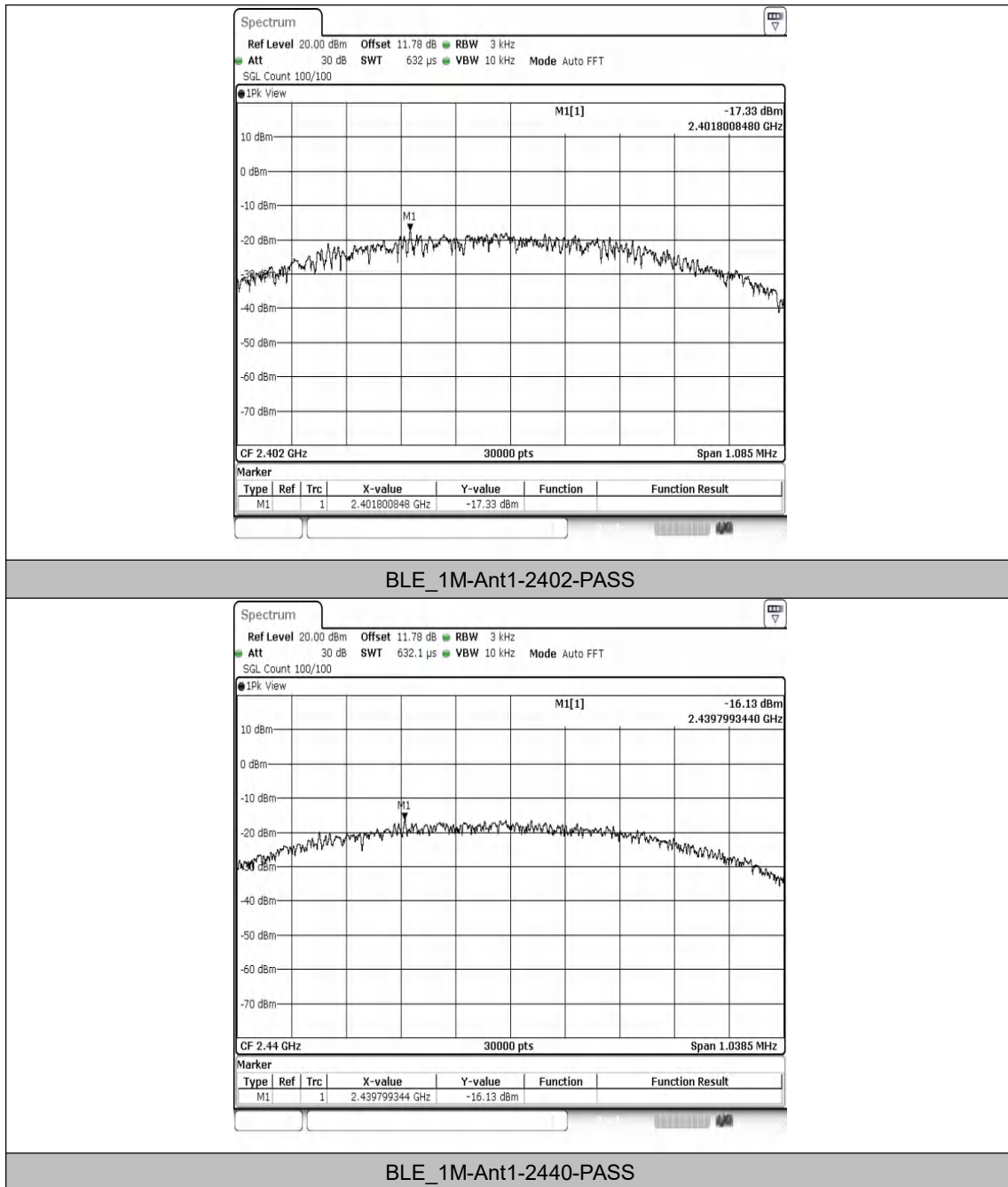
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.33	≤8.00	PASS
BLE_1M	Ant1	2440	-16.13	≤8.00	PASS
BLE_1M	Ant1	2480	-17.51	≤8.00	PASS



Test Graphs

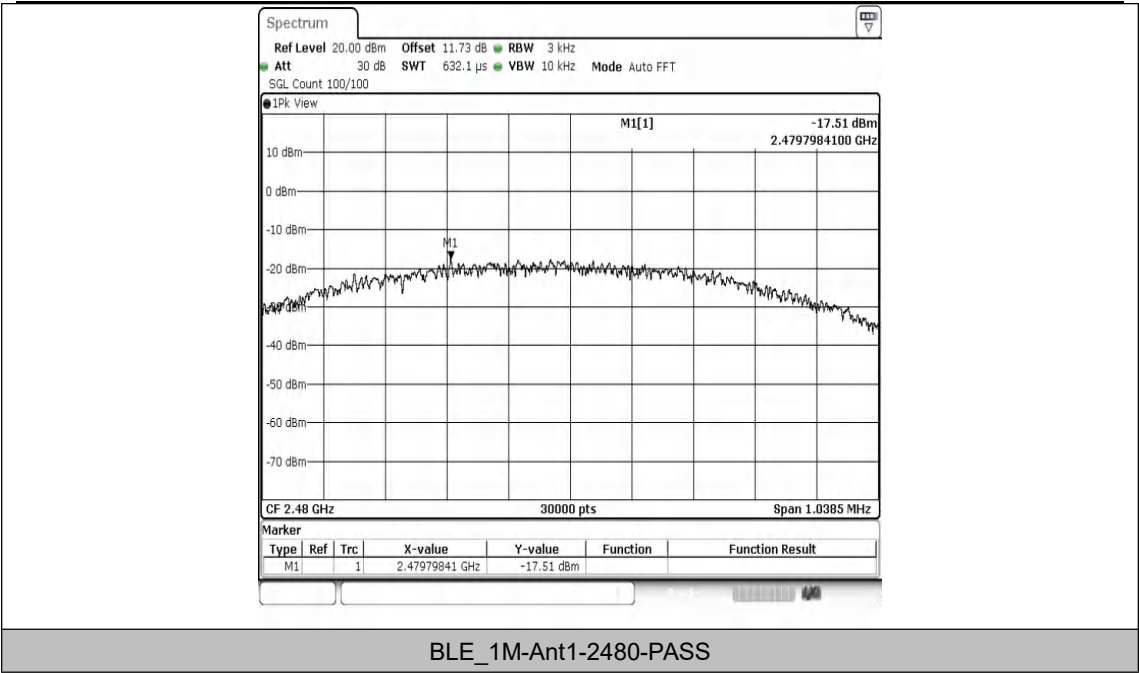


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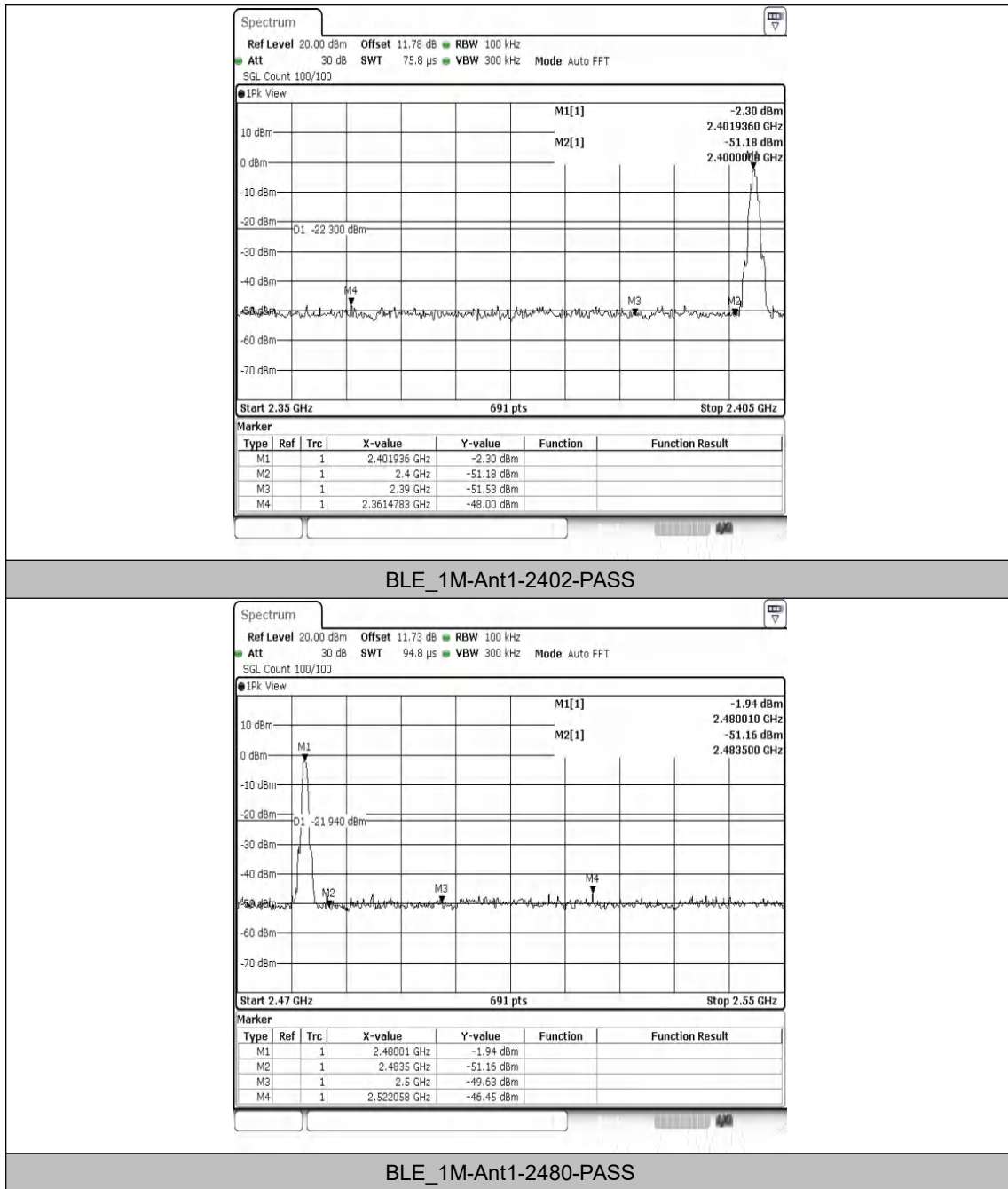
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.30	-48	≤ -22.3	PASS
BLE_1M	Ant1	High	2480	-1.94	-46.45	≤ -21.94	PASS



Test Graphs



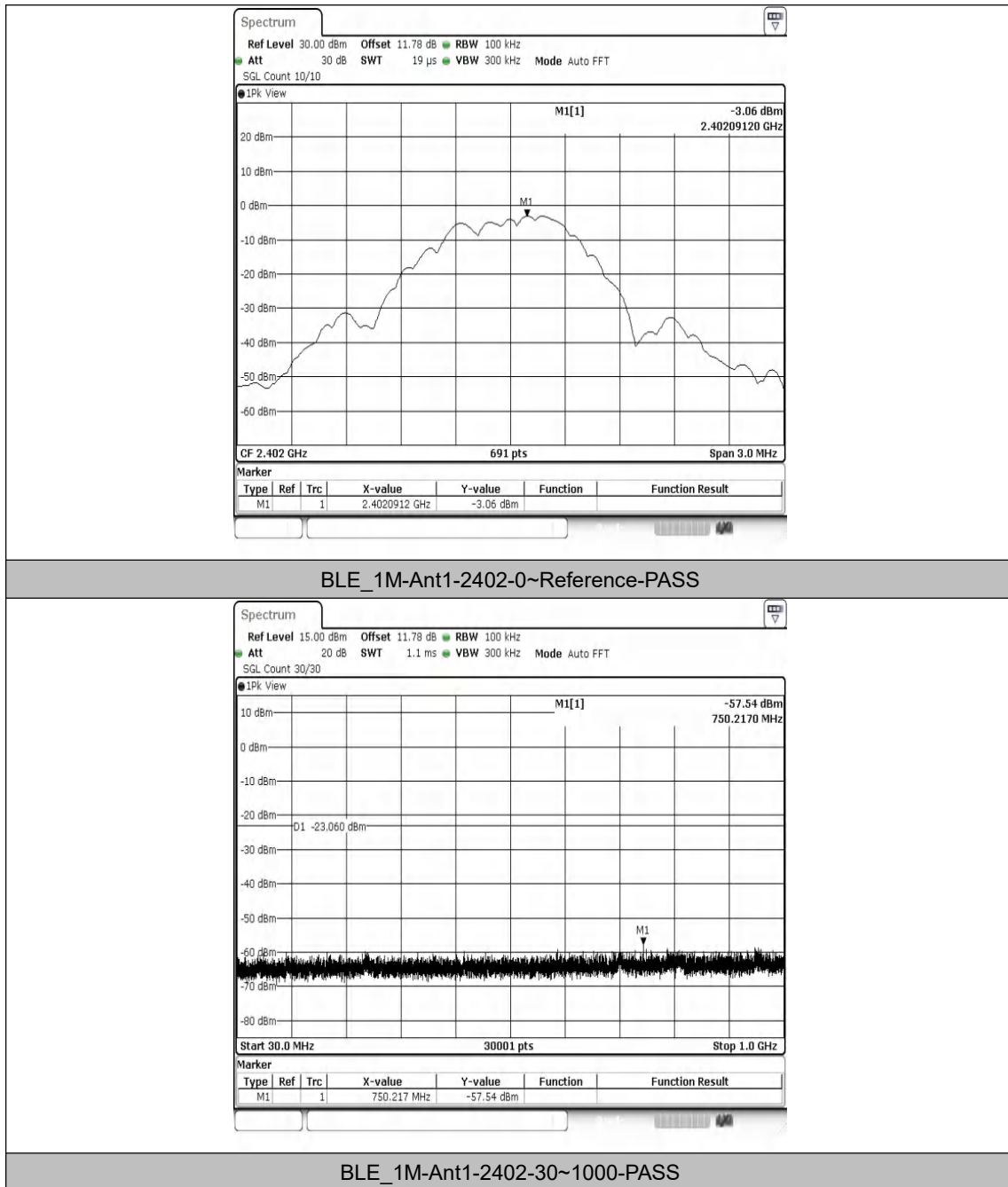
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-3.06	-3.06	---	PASS
BLE_1M	Ant1	2402	30~1000	-3.06	-57.54	≤-23.06	PASS
BLE_1M	Ant1	2402	1000~26500	-3.06	-43.6	≤-23.06	PASS
BLE_1M	Ant1	2440	0~Reference	-1.98	-1.98	---	PASS
BLE_1M	Ant1	2440	30~1000	-1.98	-58.28	≤-21.98	PASS
BLE_1M	Ant1	2440	1000~26500	-1.98	-44.23	≤-21.98	PASS
BLE_1M	Ant1	2480	0~Reference	-3.64	-3.64	---	PASS
BLE_1M	Ant1	2480	30~1000	-3.64	-57.85	≤-23.64	PASS
BLE_1M	Ant1	2480	1000~26500	-3.64	-44.1	≤-23.64	PASS



Test Graphs



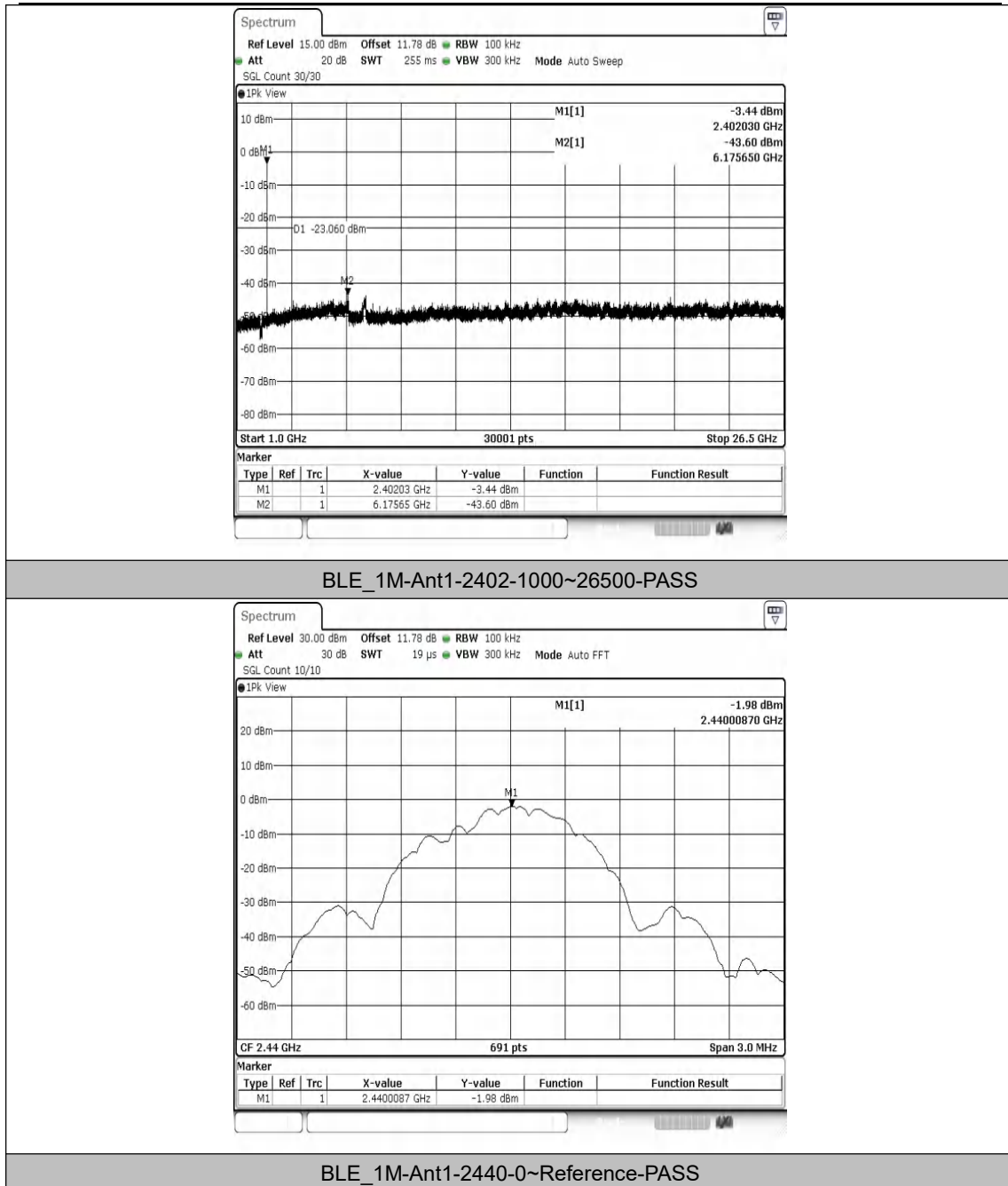
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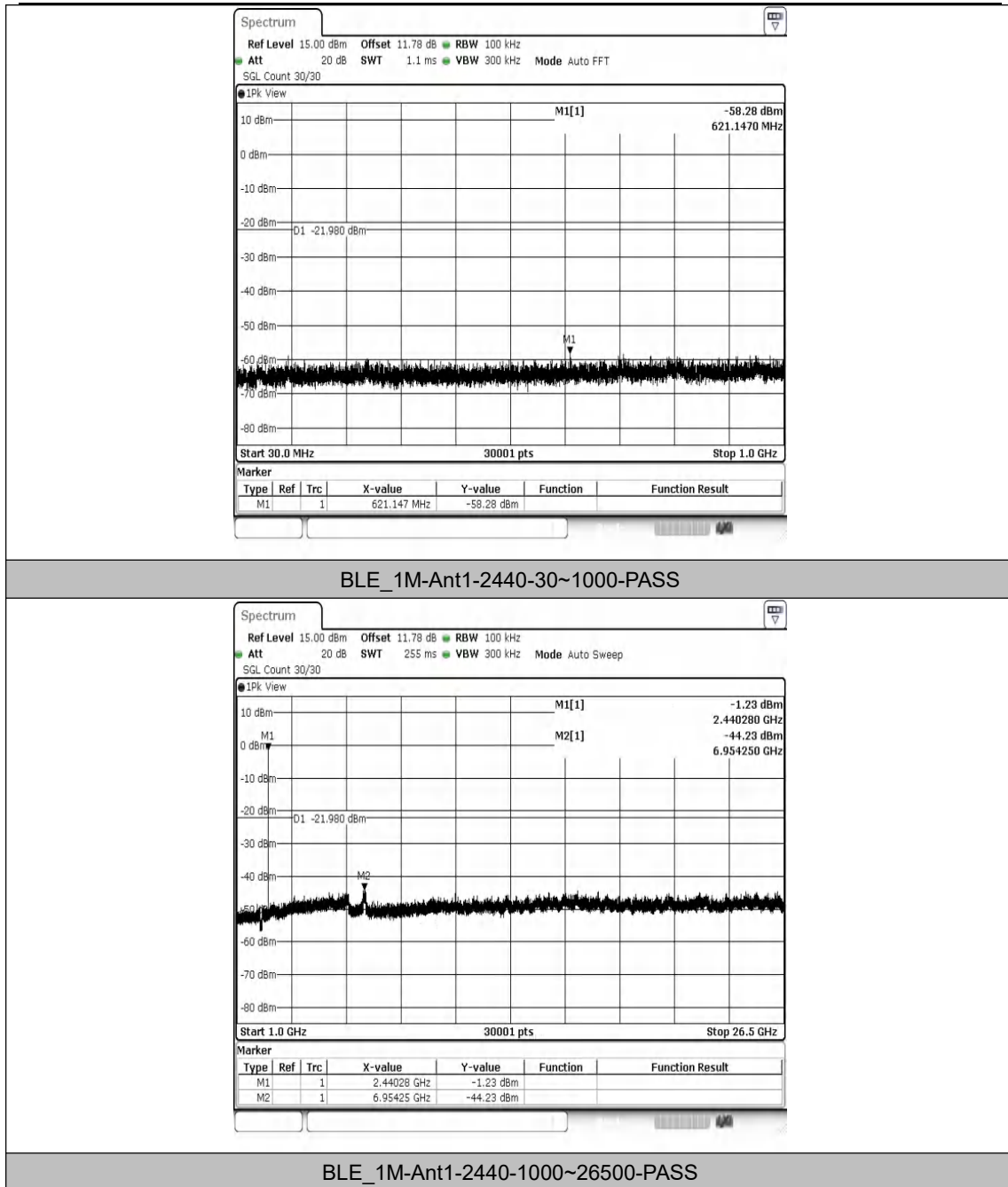
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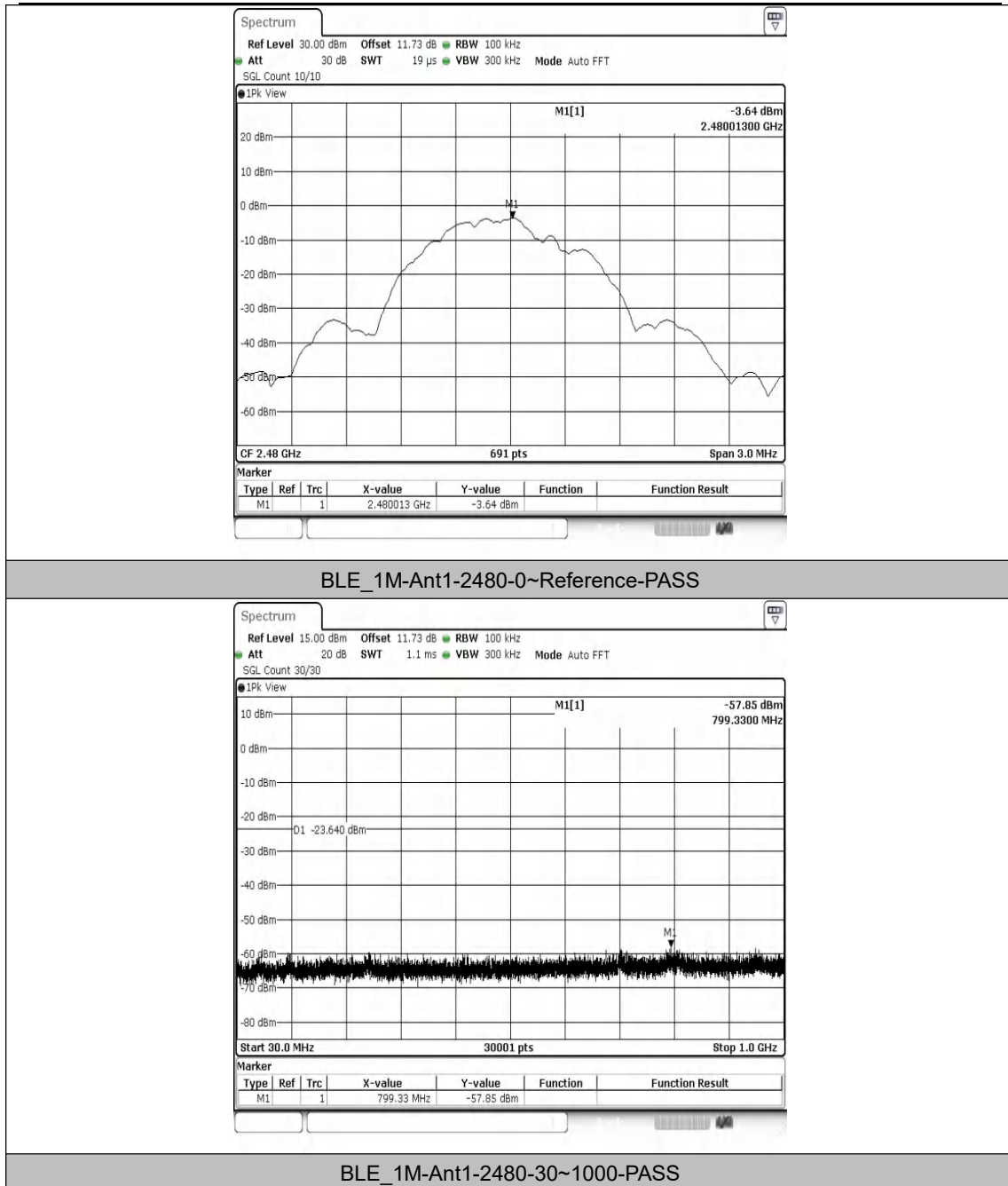
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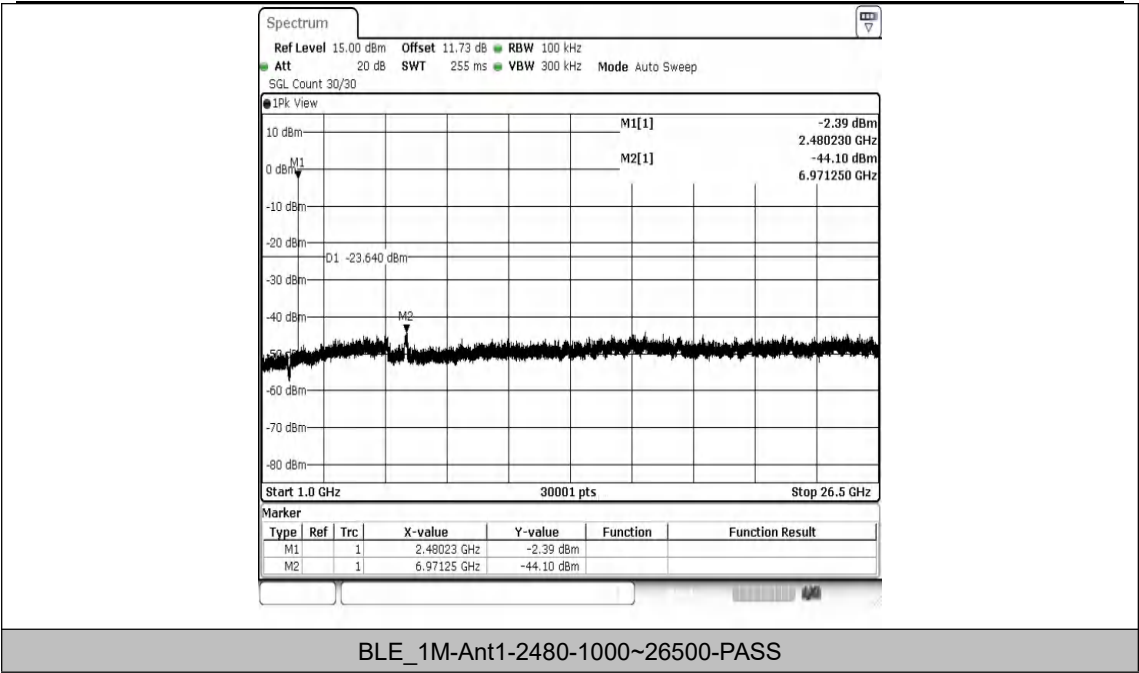


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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	0.62	61.29	2.13
BLE_1M	Ant1	2440	0.38	0.62	61.29	2.13
BLE_1M	Ant1	2480	0.38	0.62	61.29	2.13

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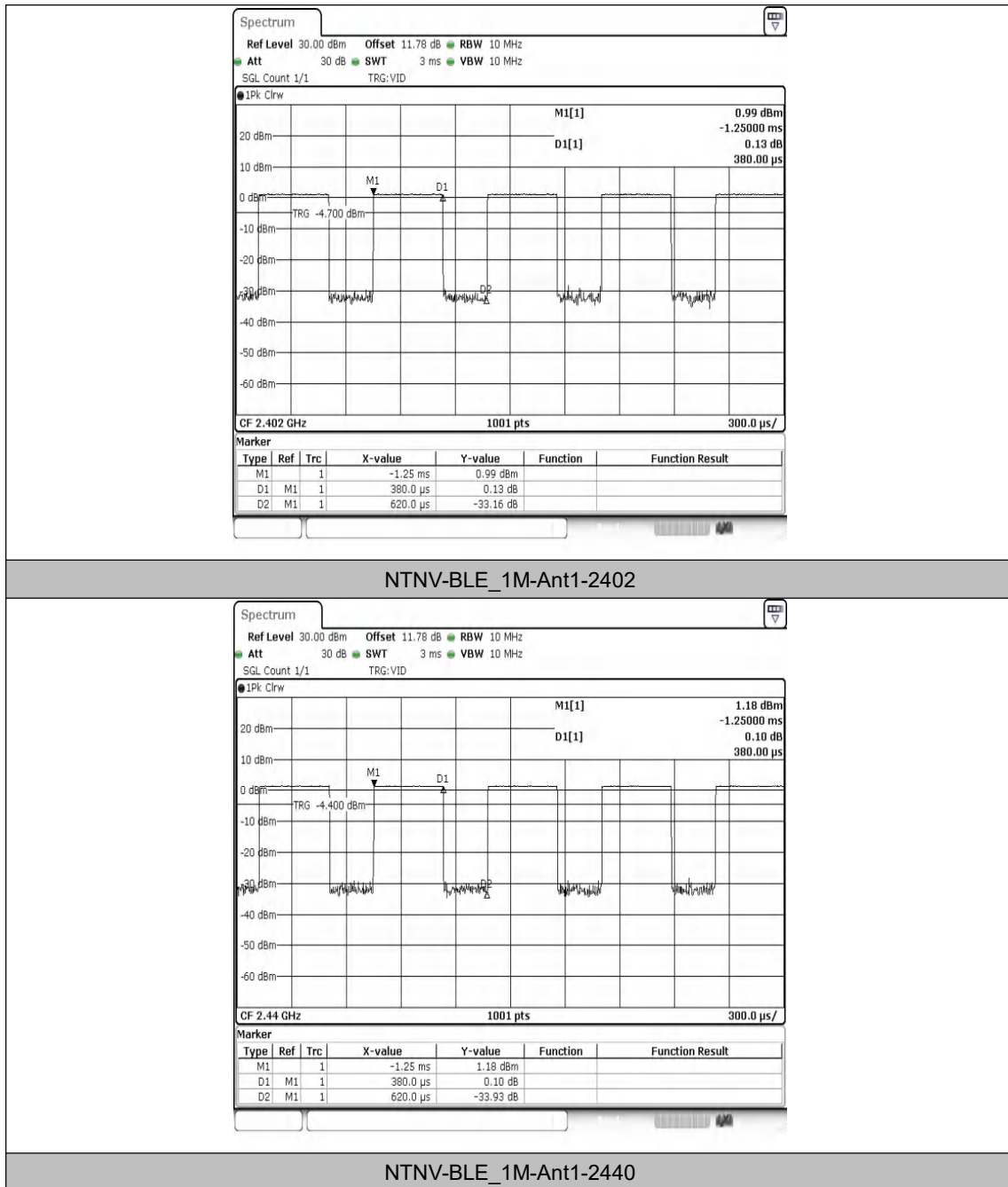
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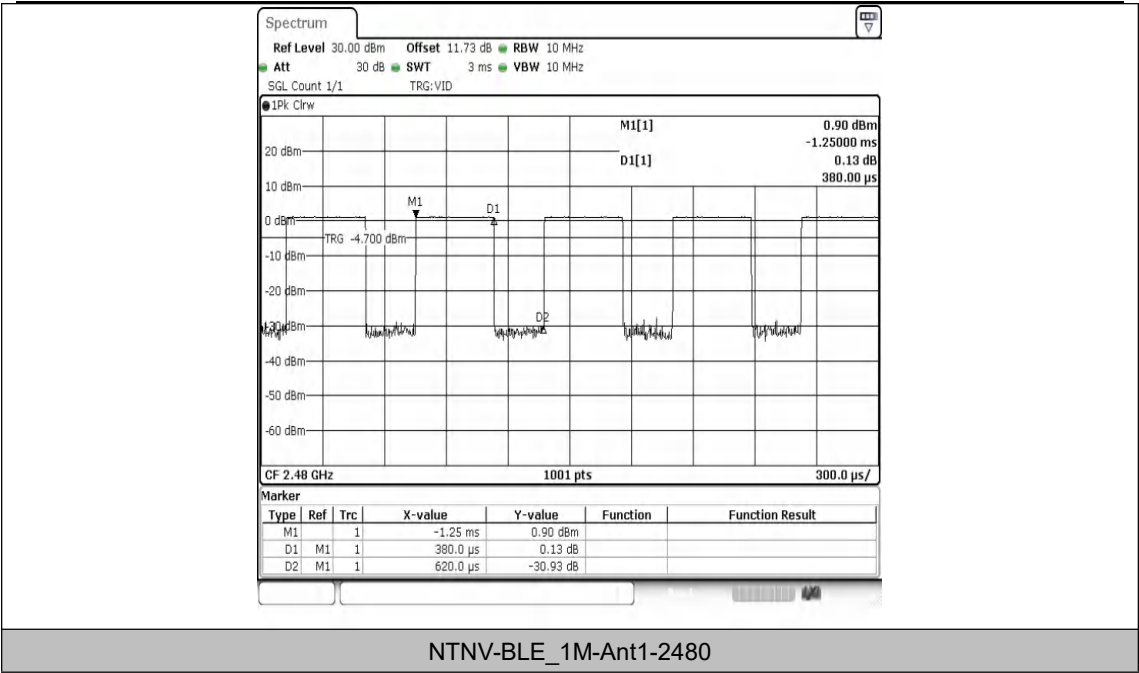


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Test Graphs





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