

Appendix Test Data

Report No.:	1812C40194612502	Test Sample No.:	1-2-2
Start Test Date:	2024.12.25	Finish Test Date:	2025.1.2
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.2°C	Relative Humidity:	52%
Pressure:	101kPa		

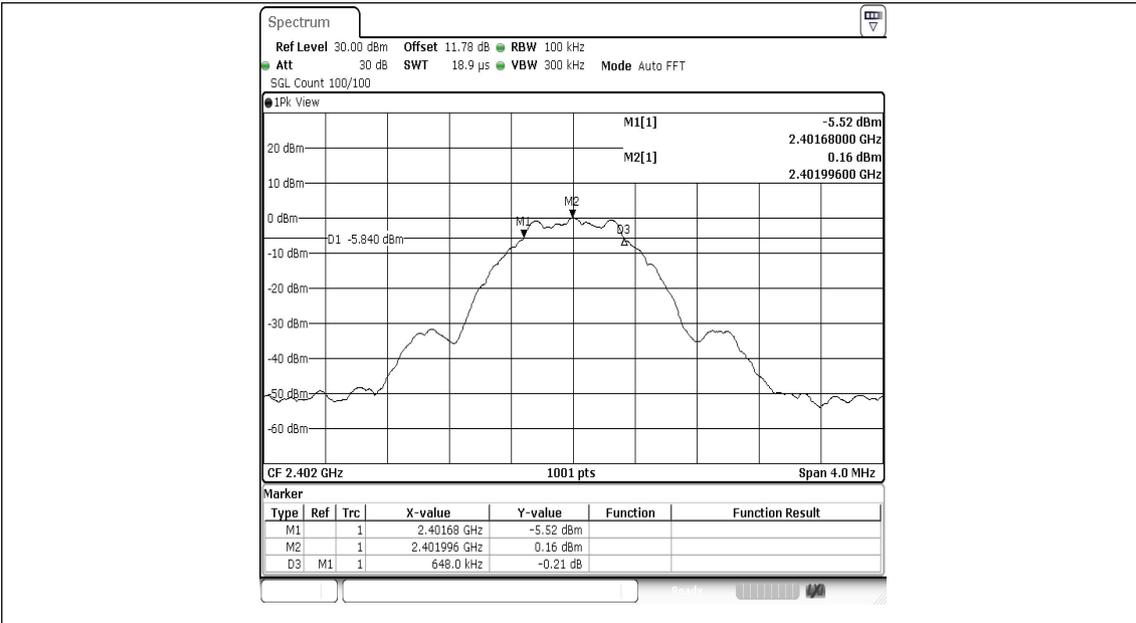
Appendix A: 6dB Bandwidth

Test Result

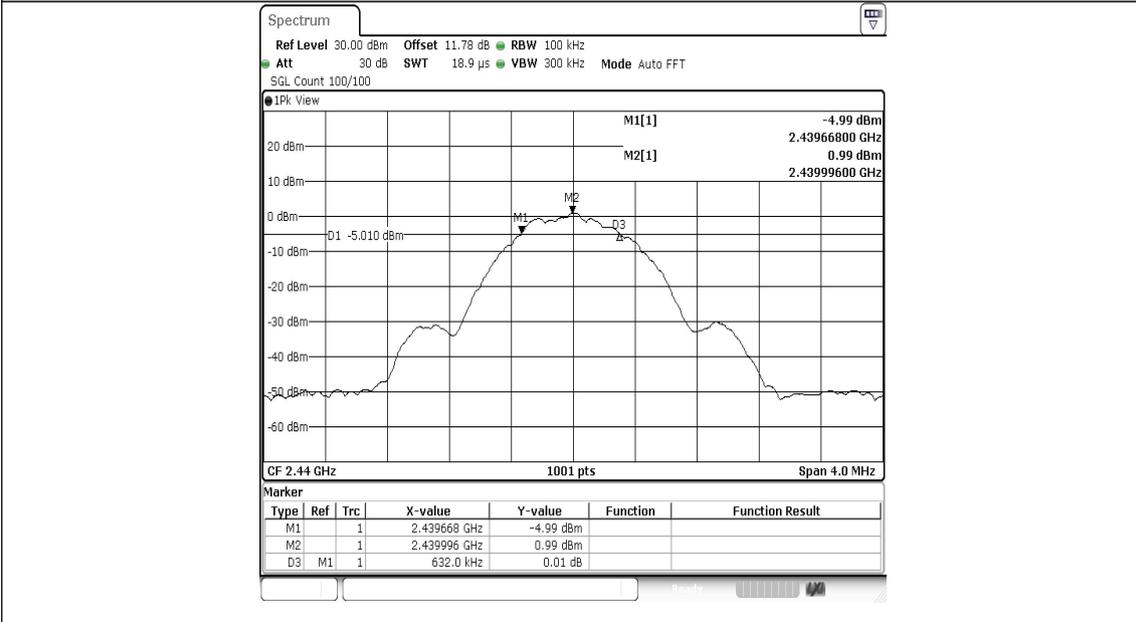
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.65	2401.68	2402.33	0.5	PASS
BLE_1M	Ant1	2440	0.63	2439.67	2440.30	0.5	PASS
BLE_1M	Ant1	2480	0.64	2479.68	2480.32	0.5	PASS



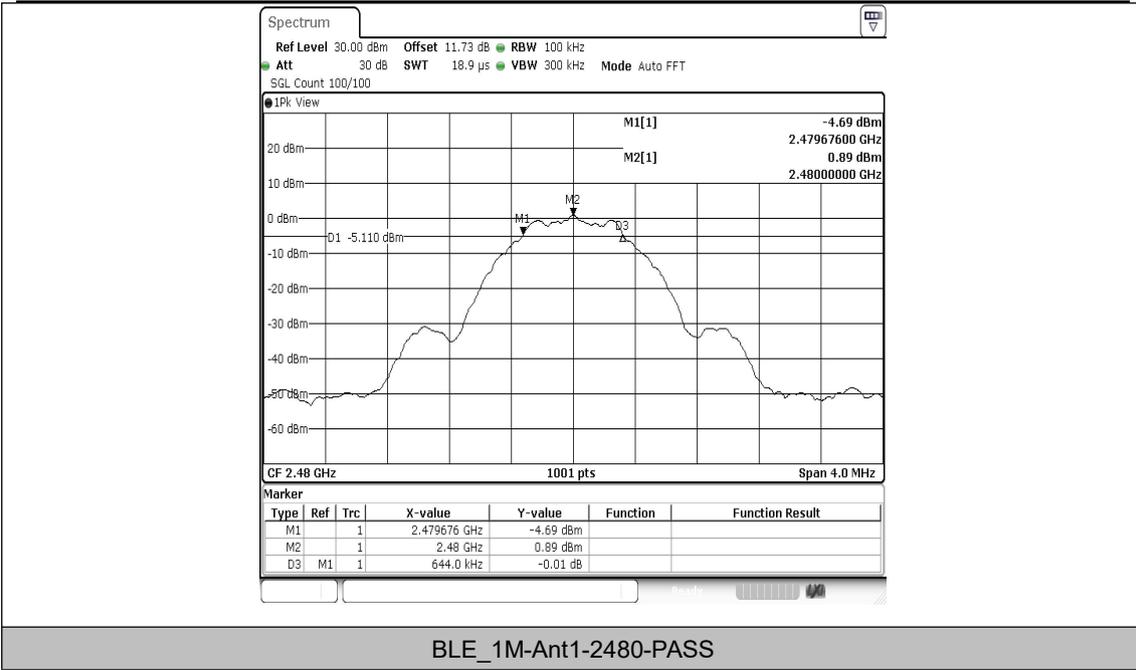
Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



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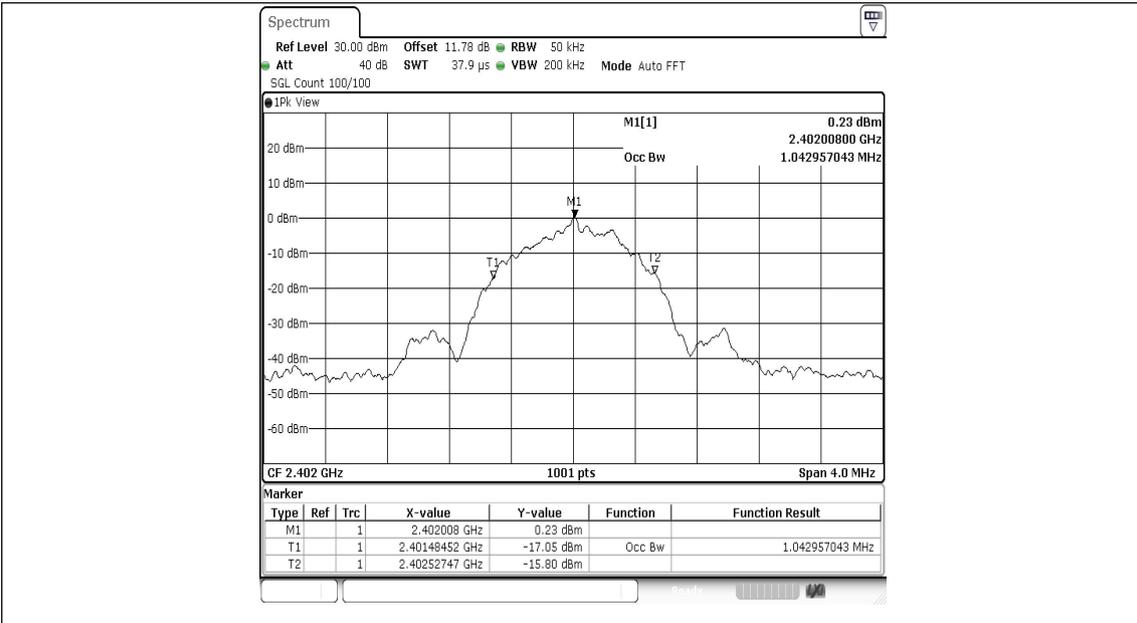
Appendix B: 99% Occupied Bandwidth

Test Result

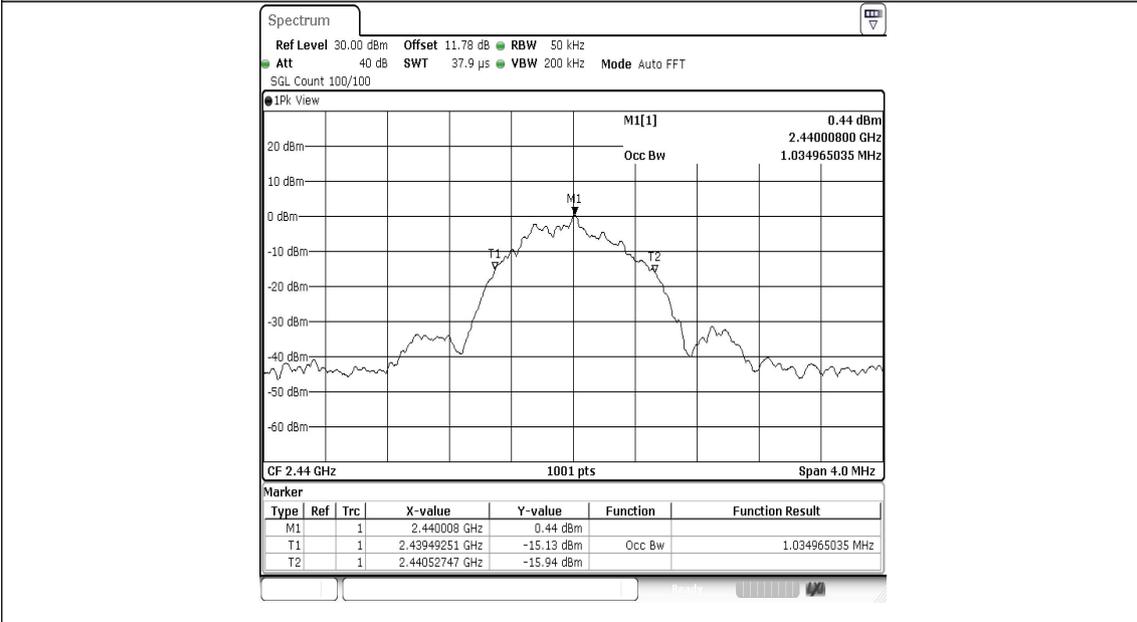
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.043	2401.4845	2402.5275	---	---
BLE_1M	Ant1	2440	1.035	2439.4925	2440.5275	---	---
BLE_1M	Ant1	2480	1.035	2479.4925	2480.5275	---	---



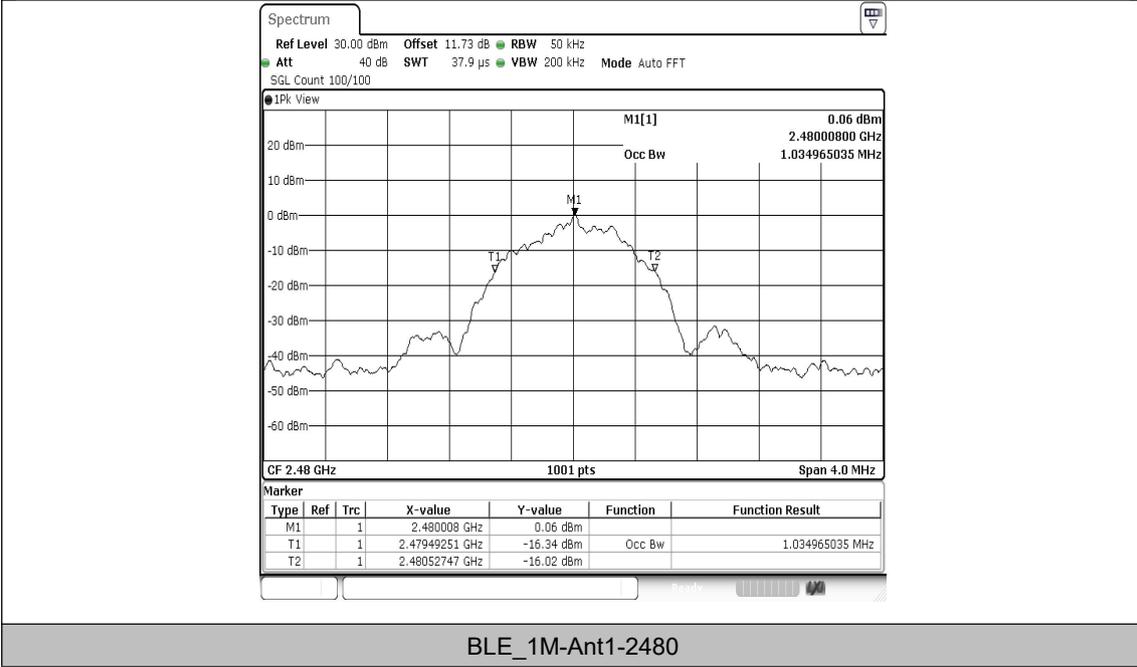
Test Graphs



BLE_1M-Ant1-2402



BLE_1M-Ant1-2440



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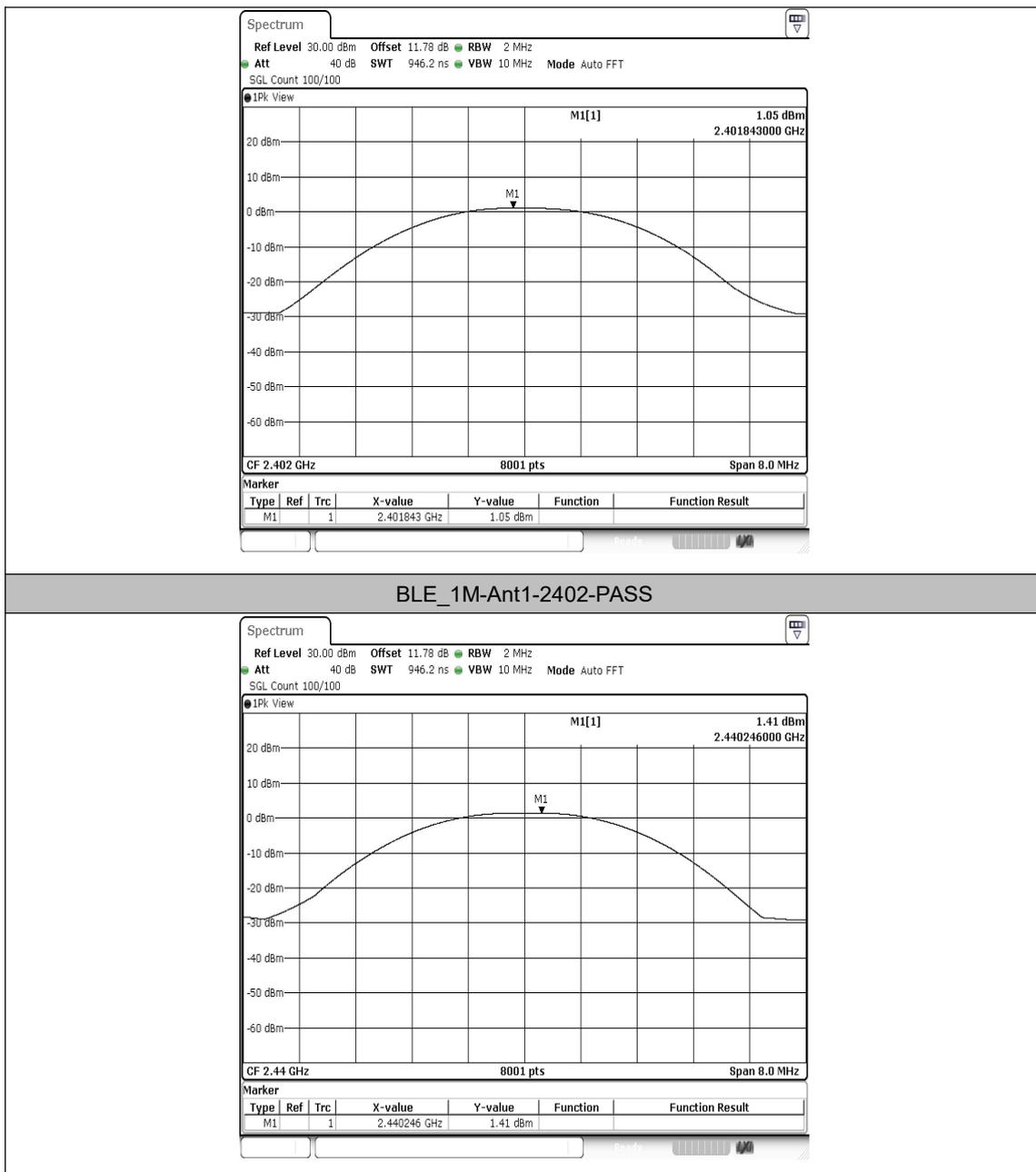
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Appendix C: Maximum conducted output power

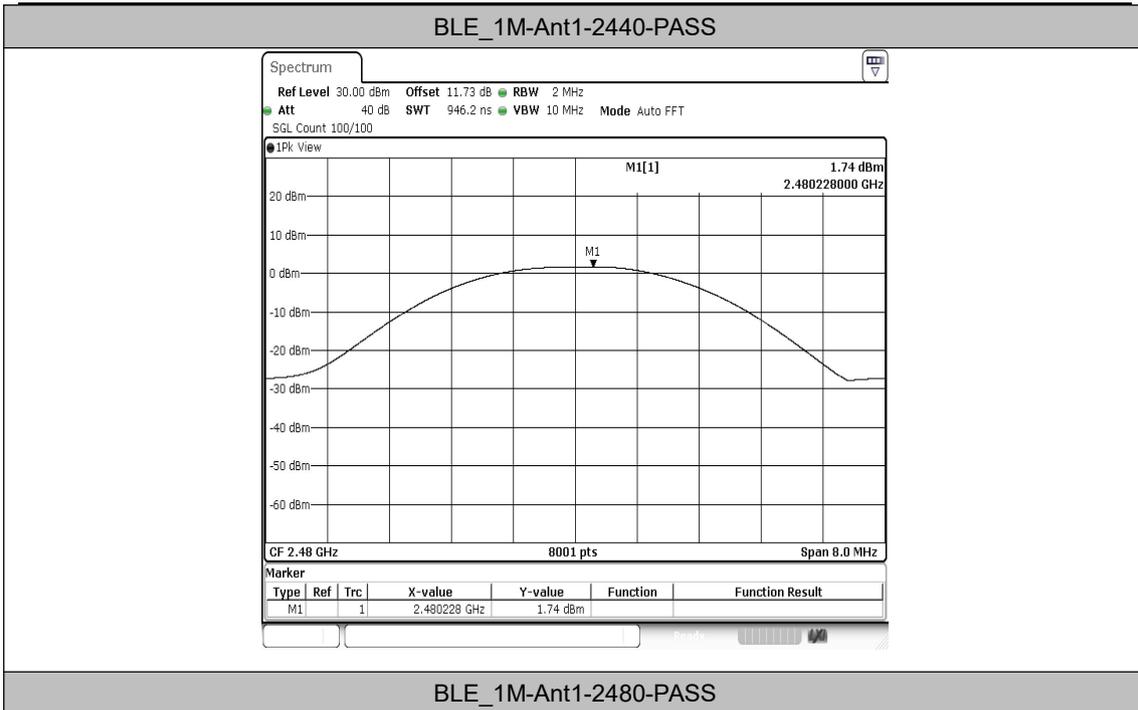
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.05	≤30	PASS
BLE_1M	Ant1	2440	1.41	≤30	PASS
BLE_1M	Ant1	2480	1.74	≤30	PASS

Test Graphs Peak



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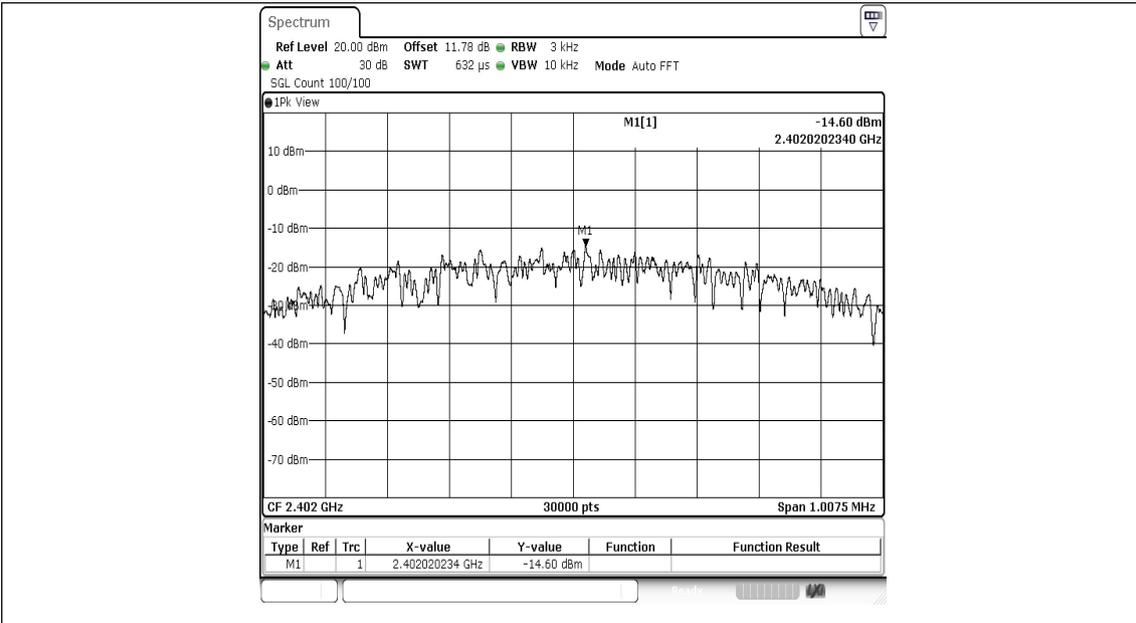
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Appendix D: Maximum power spectral density

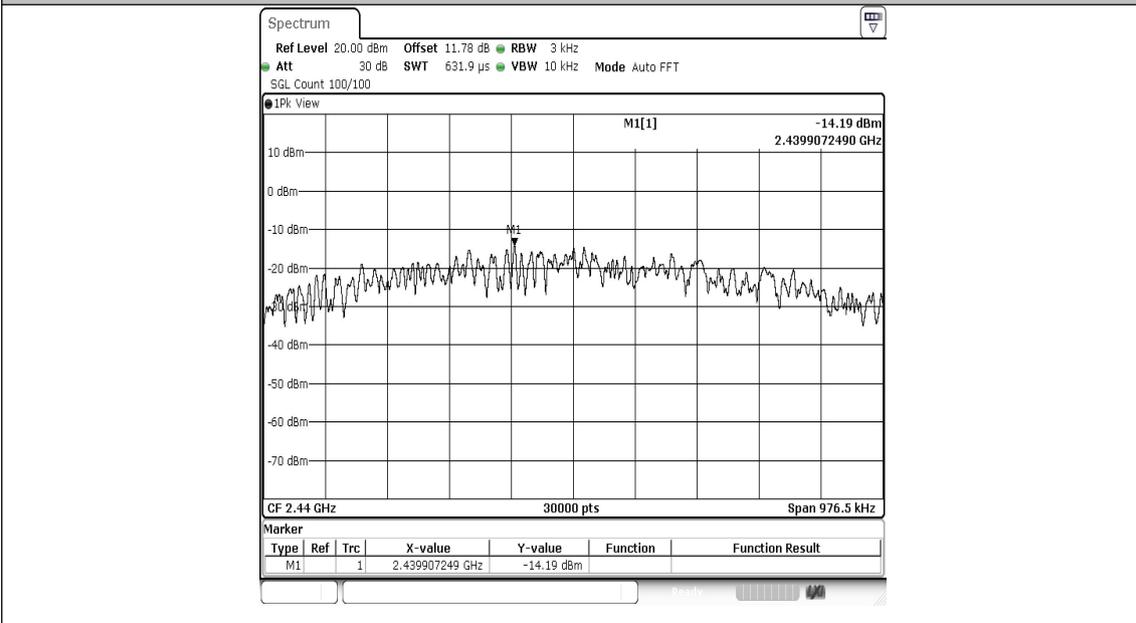
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.60	≤8.00	PASS
BLE_1M	Ant1	2440	-14.19	≤8.00	PASS
BLE_1M	Ant1	2480	-14.05	≤8.00	PASS

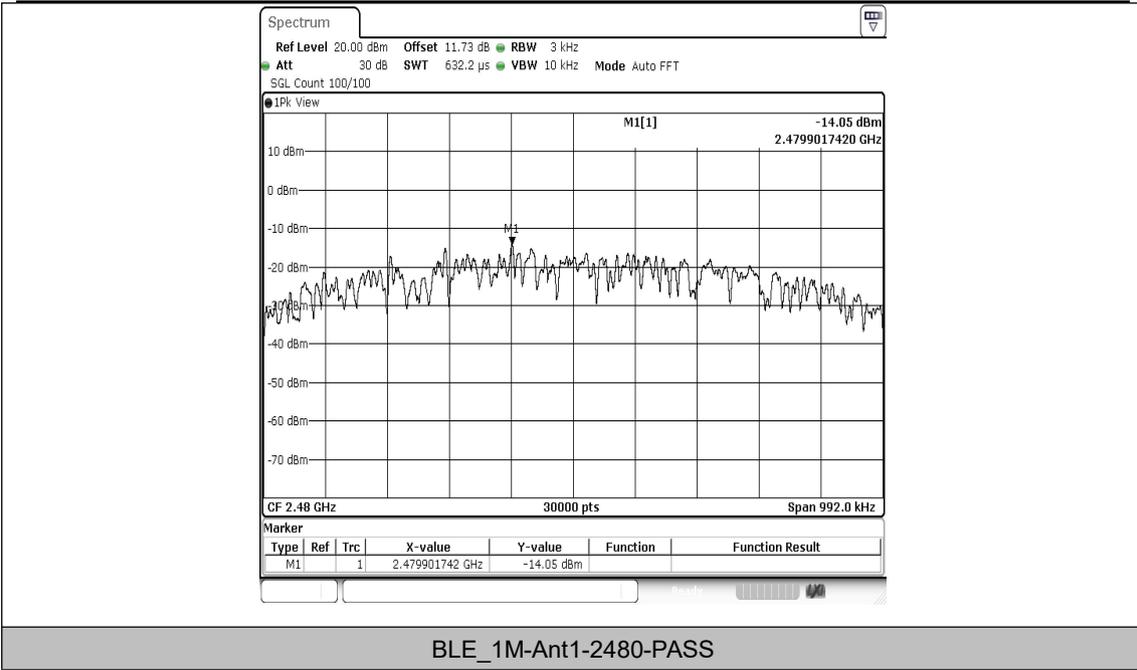
Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



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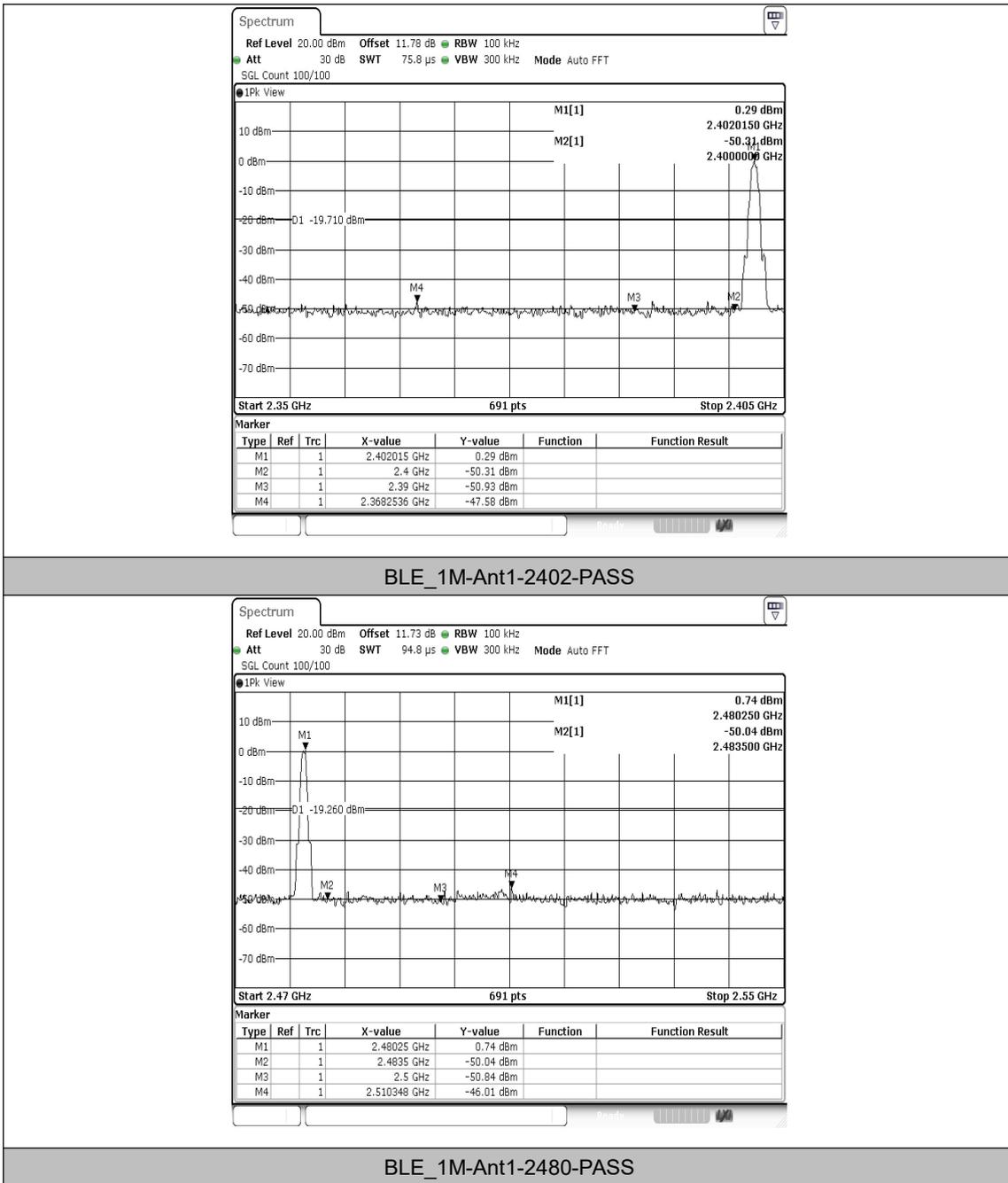
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.29	-47.58	≤-19.71	PASS
BLE_1M	Ant1	High	2480	0.74	-46.01	≤-19.26	PASS

Test Graphs



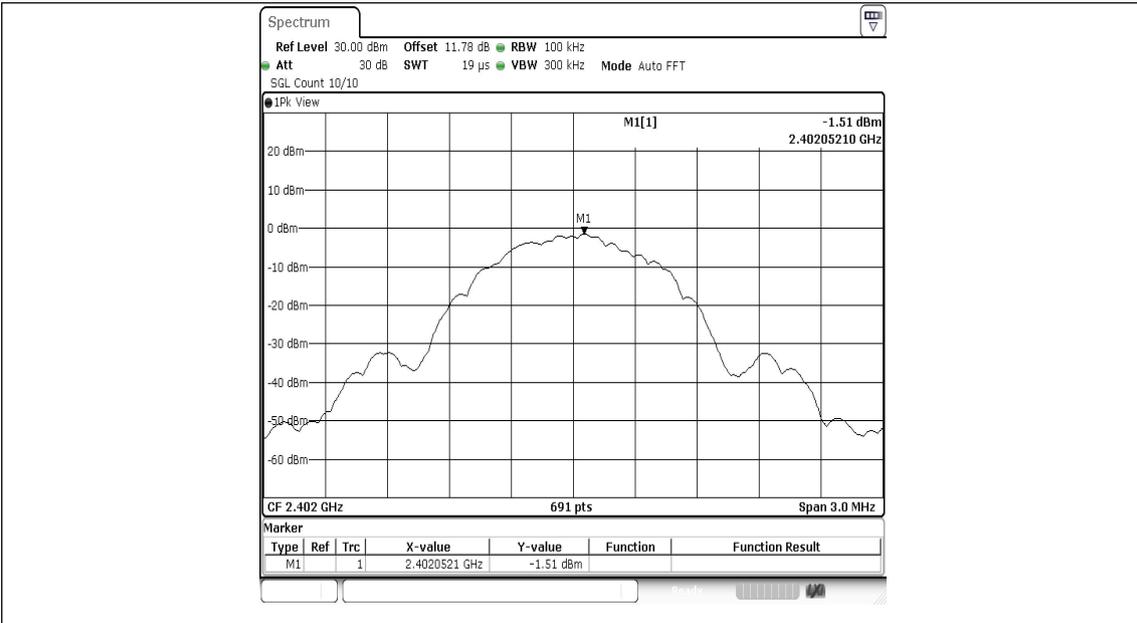
Appendix F: Conducted Spurious Emission

Test Result

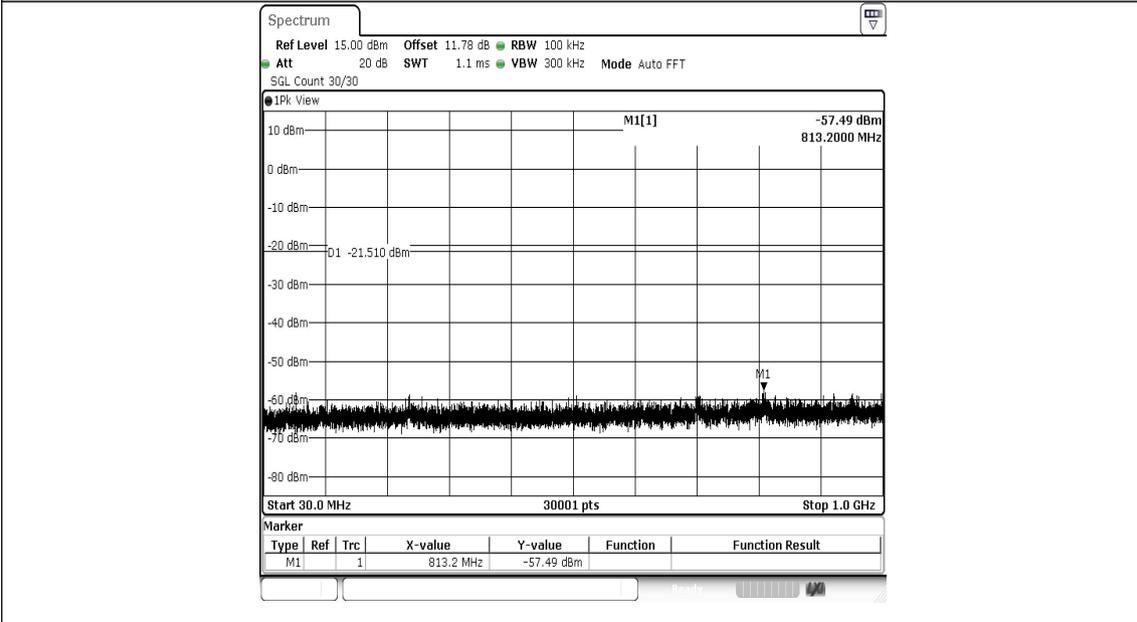
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-1.51	-1.51	---	PASS
BLE_1M	Ant1	2402	30~1000	-1.51	-57.49	≤-21.51	PASS
BLE_1M	Ant1	2402	1000~26500	-1.51	-43.08	≤-21.51	PASS
BLE_1M	Ant1	2440	0~Reference	-1.33	-1.33	---	PASS
BLE_1M	Ant1	2440	30~1000	-1.33	-57.81	≤-21.33	PASS
BLE_1M	Ant1	2440	1000~26500	-1.33	-43.9	≤-21.33	PASS
BLE_1M	Ant1	2480	0~Reference	-1.91	-1.91	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.91	-58.14	≤-21.91	PASS
BLE_1M	Ant1	2480	1000~26500	-1.91	-44.29	≤-21.91	PASS



Test Graphs

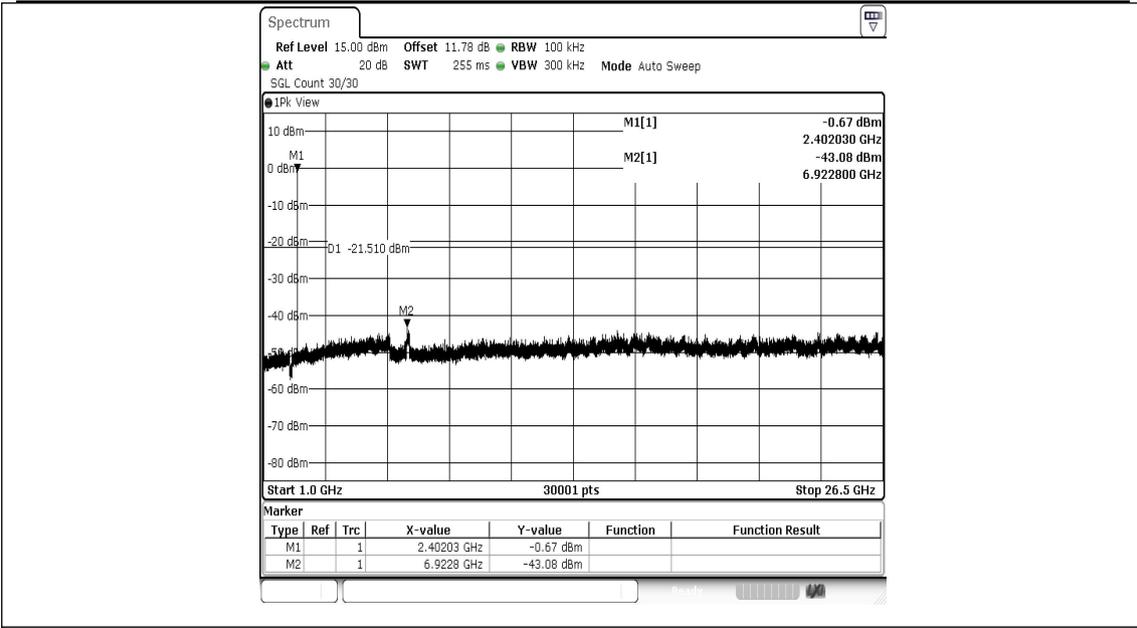


BLE_1M-Ant1-2402-0~Reference-PASS

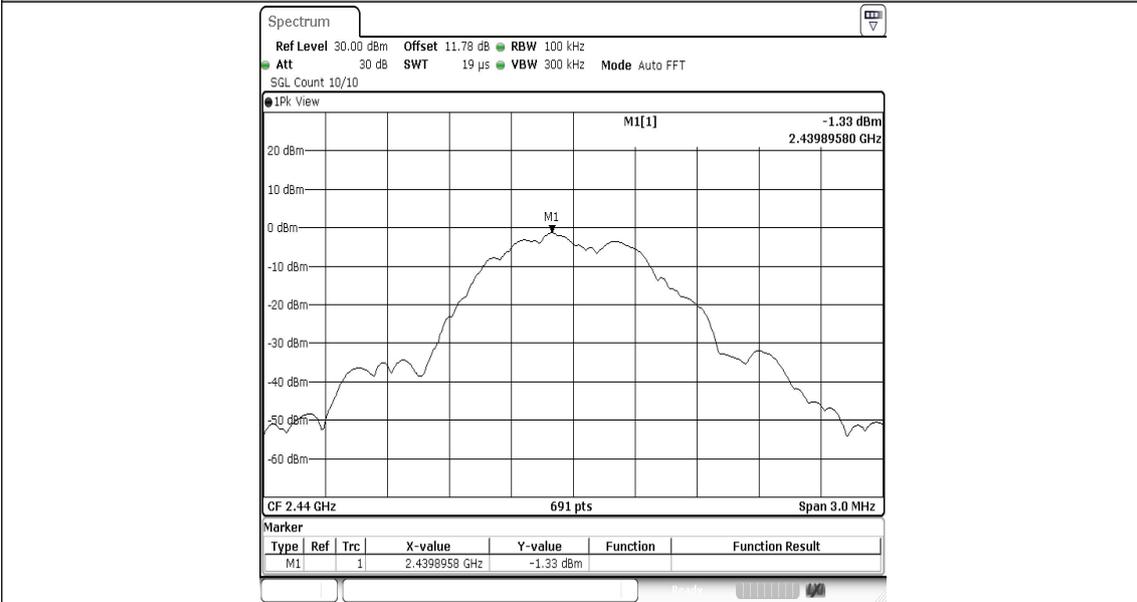


BLE_1M-Ant1-2402-30~1000-PASS

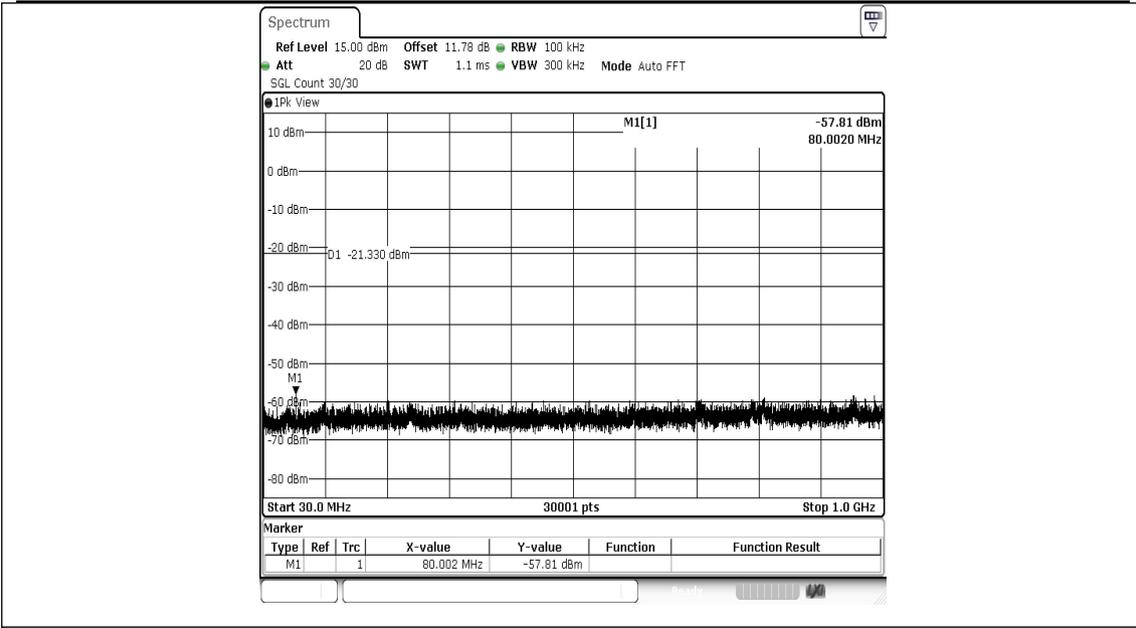
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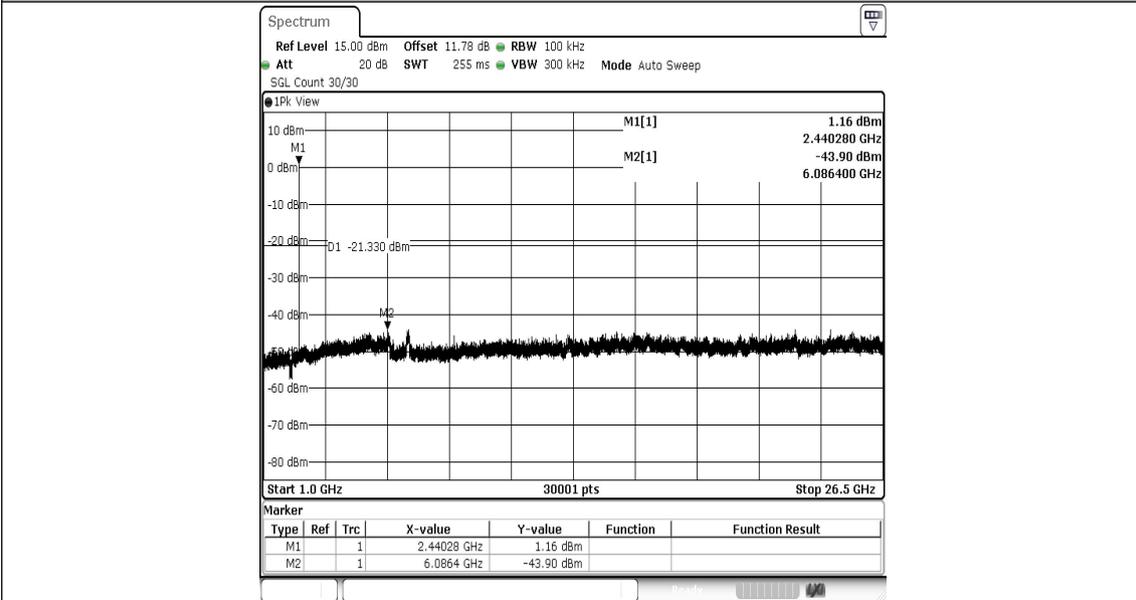
BLE_1M-Ant1-2402-1000~26500-PASS



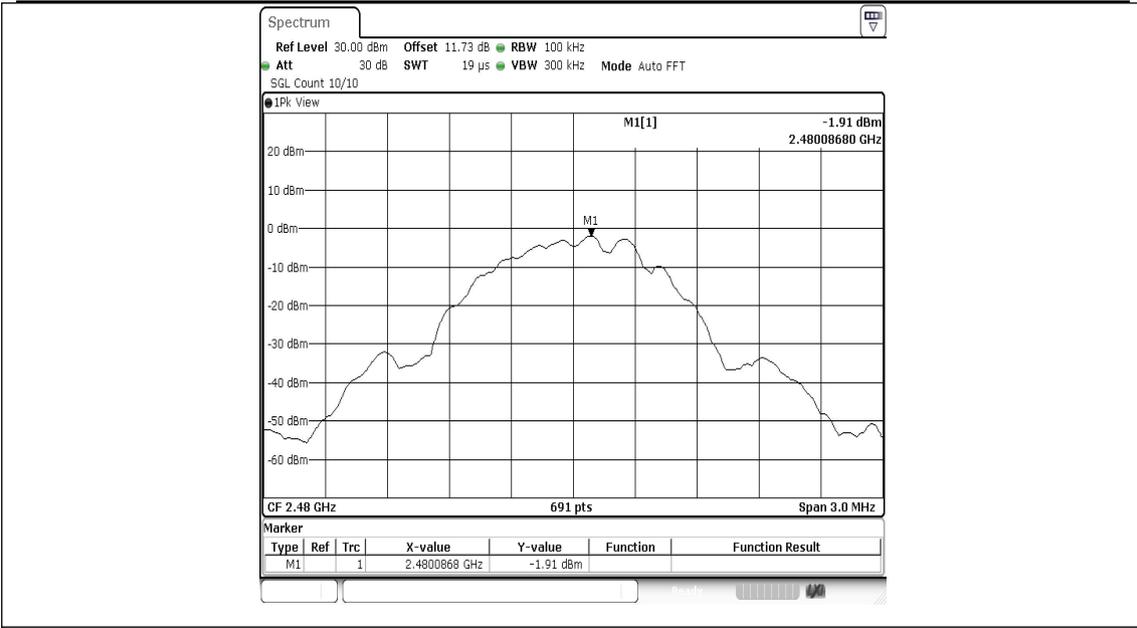
BLE_1M-Ant1-2440-0~Reference-PASS



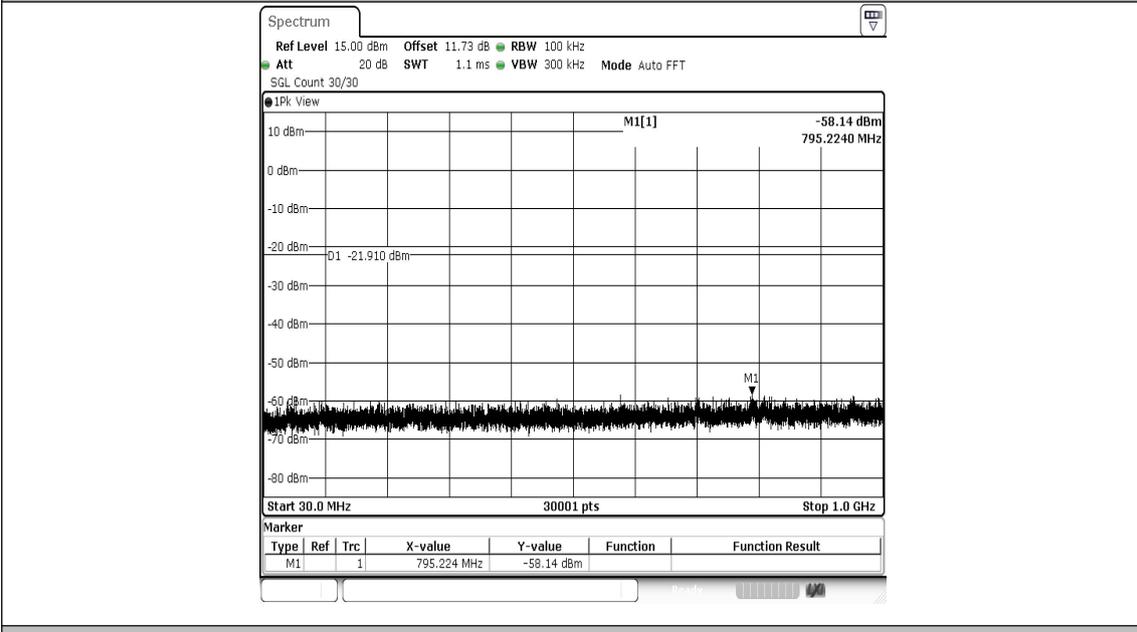
BLE_1M-Ant1-2440-30~1000-PASS



BLE_1M-Ant1-2440-1000~26500-PASS



BLE_1M-Ant1-2480-0~Reference-PASS

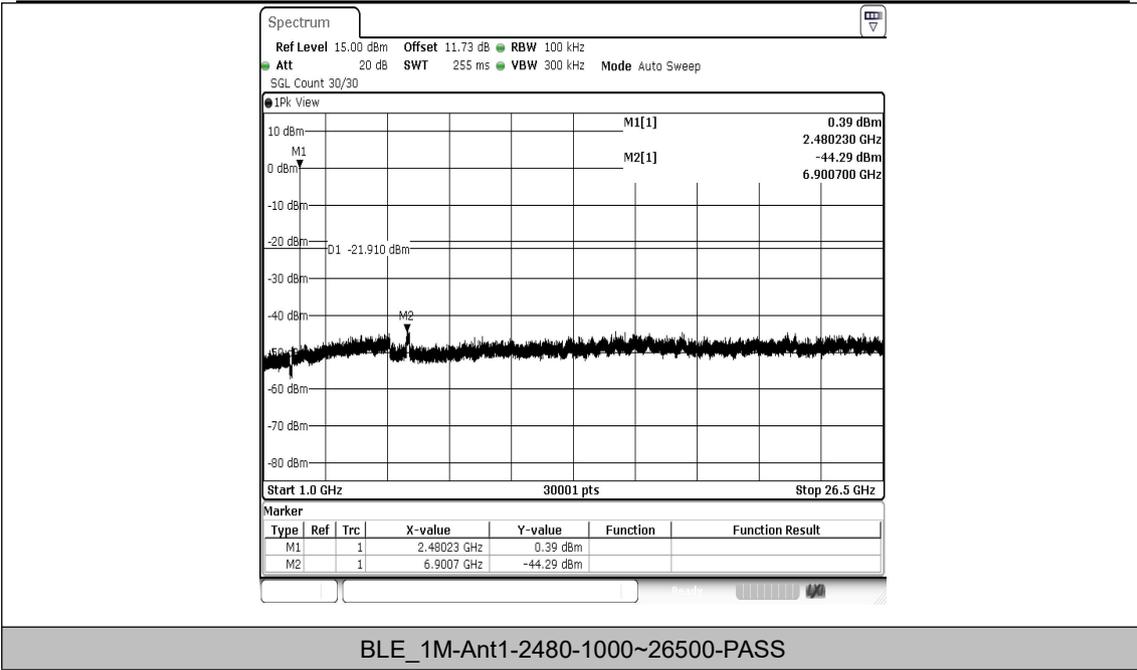


BLE_1M-Ant1-2480-30~1000-PASS

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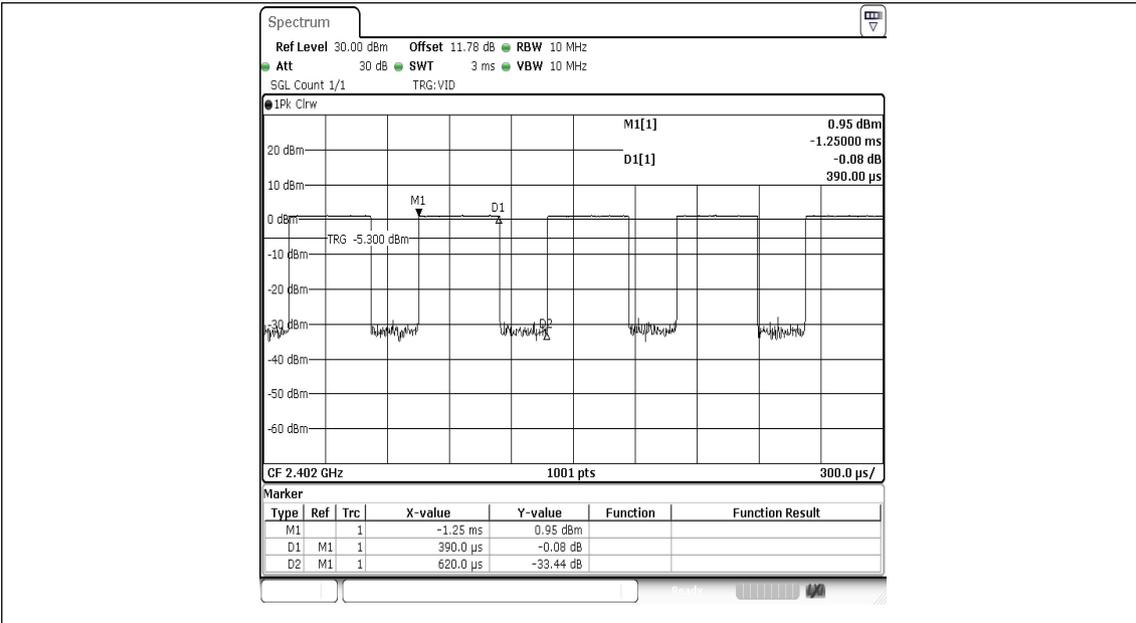
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Appendix G: Duty Cycle

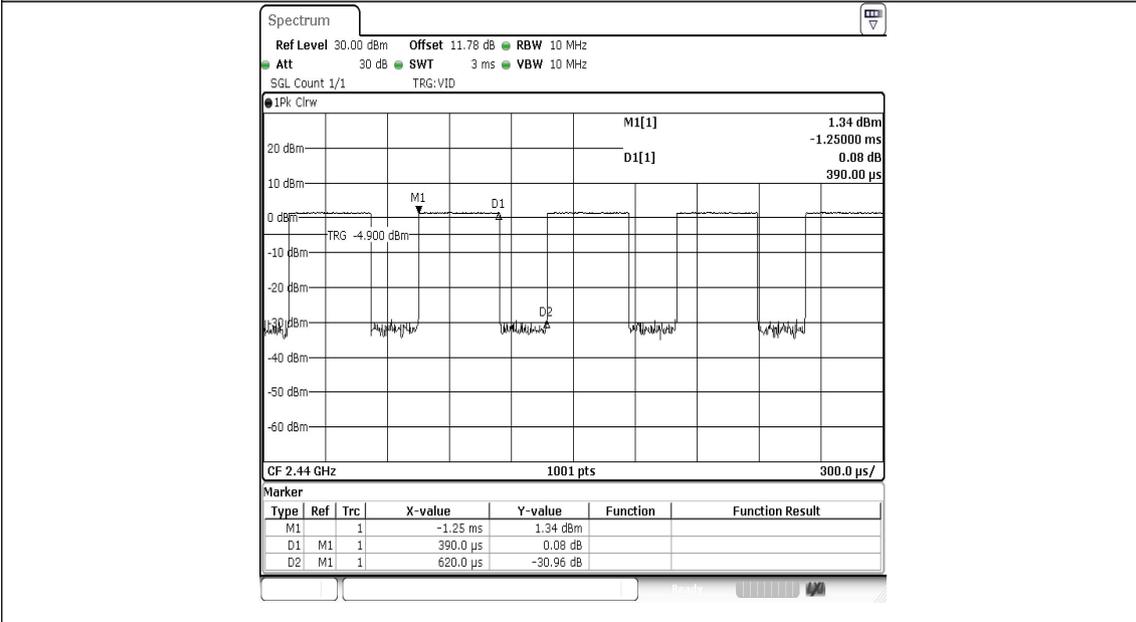
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.62	62.90	2.01
BLE_1M	Ant1	2440	0.39	0.62	62.90	2.01
BLE_1M	Ant1	2480	0.39	0.62	62.90	2.01

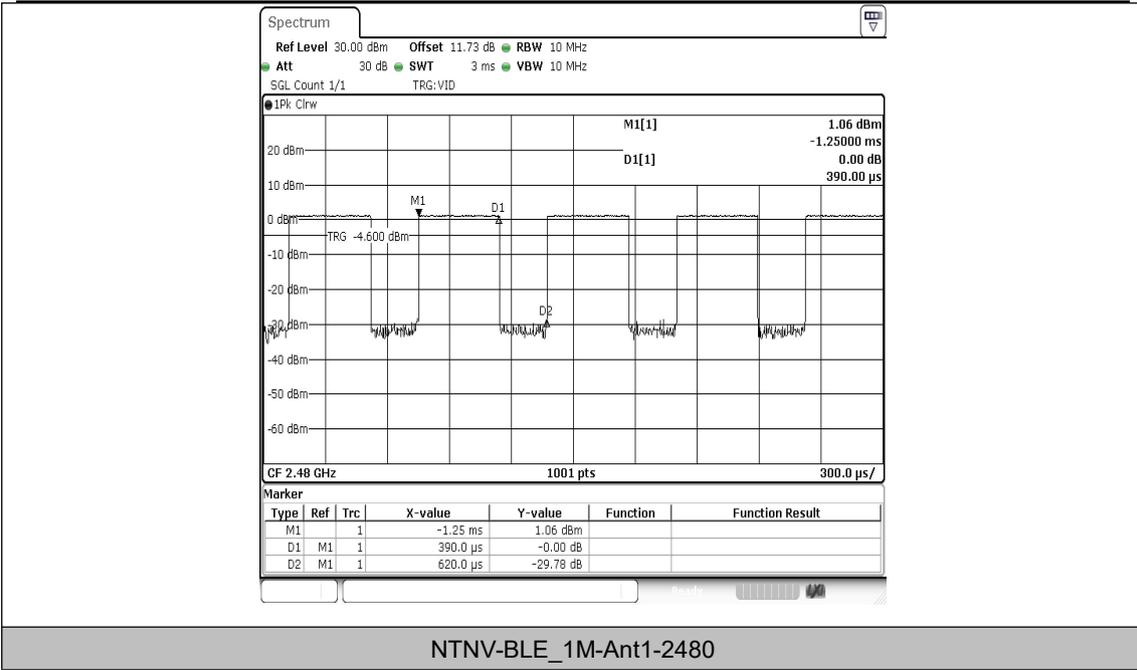
Test Graphs



NTNV-BLE_1M-Ant1-2402



NTNV-BLE_1M-Ant1-2440



---End---