

Appendix Test Data

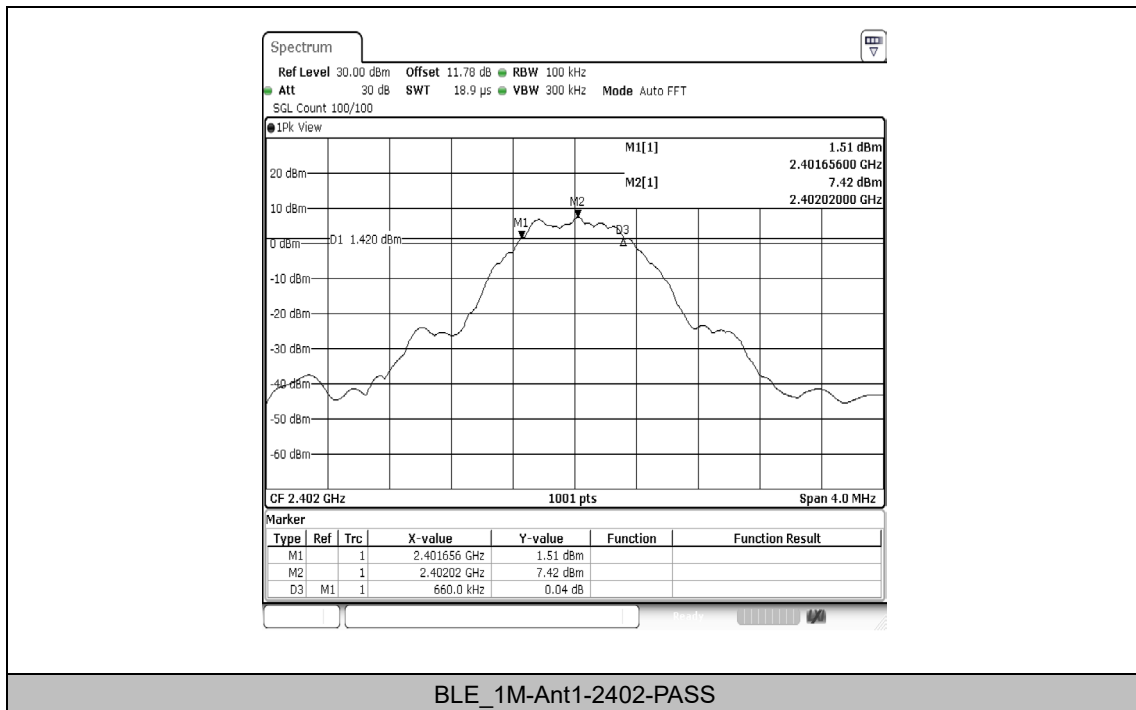
Report No:	1813C40143812501	Test Sample NO:	1-2-2
Start Test Date:	2024.11.5	Finish Test Date:	2024.11.5
Test Engineer:	<i>Joker Wong</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.6°C	Relative Humidity:	56%
Pressure:	101 kPa		

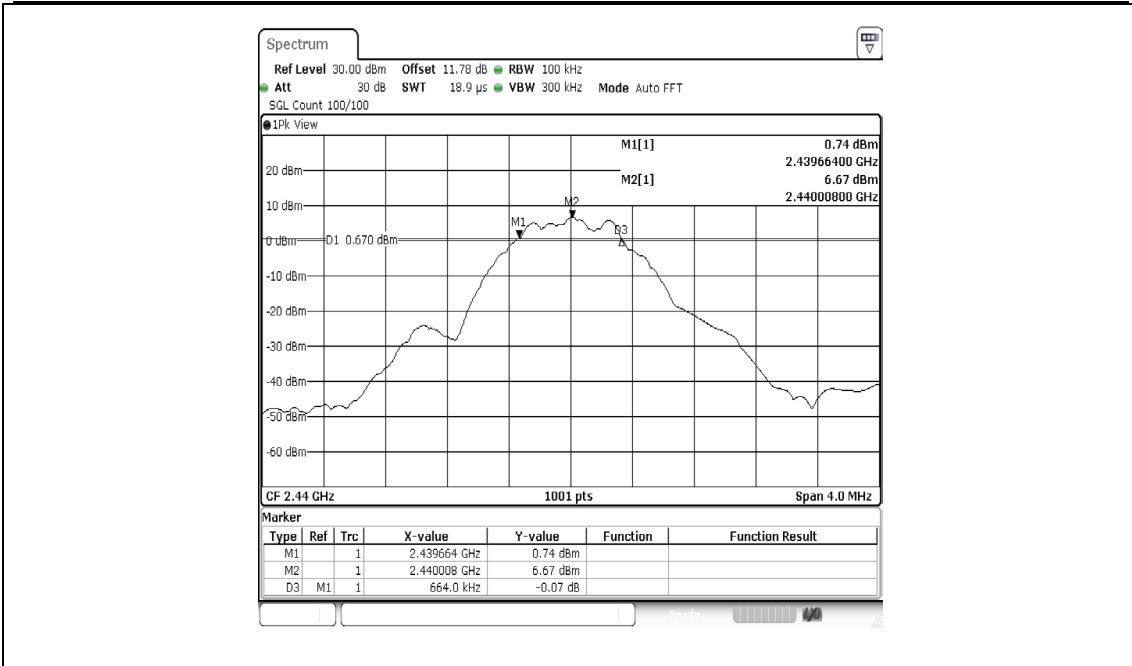
Appendix A: DTS Bandwidth

Test Result

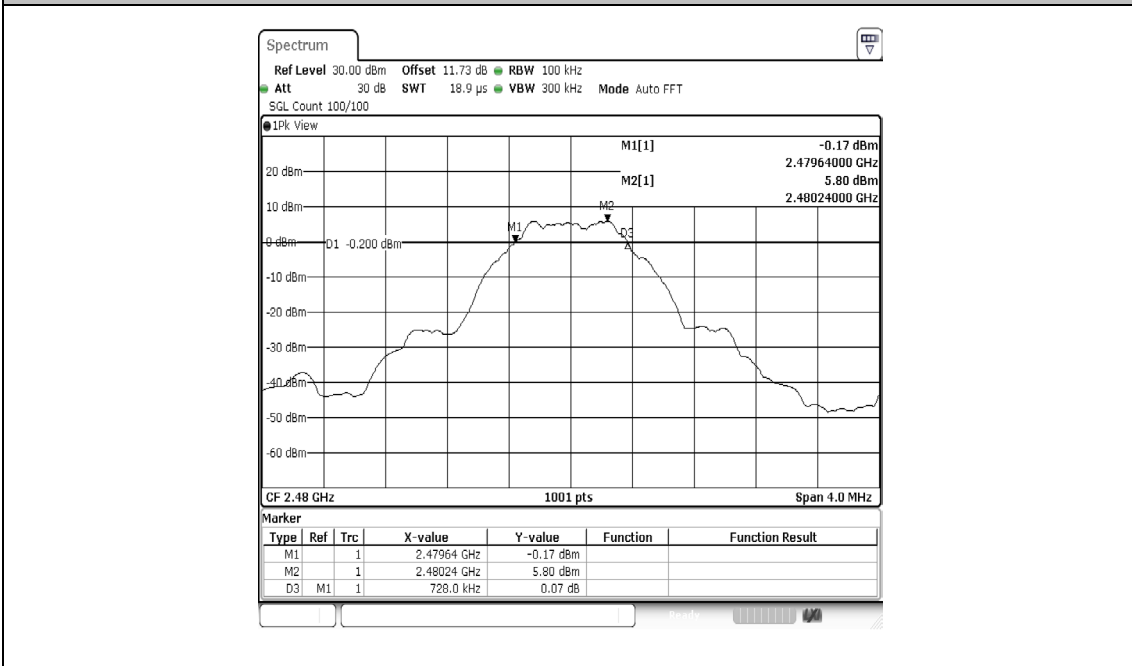
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.66	2401.66	2402.32	0.5	PASS
BLE_1M	Ant1	2440	0.66	2439.66	2440.33	0.5	PASS
BLE_1M	Ant1	2480	0.73	2479.64	2480.37	0.5	PASS

Test Graphs





BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

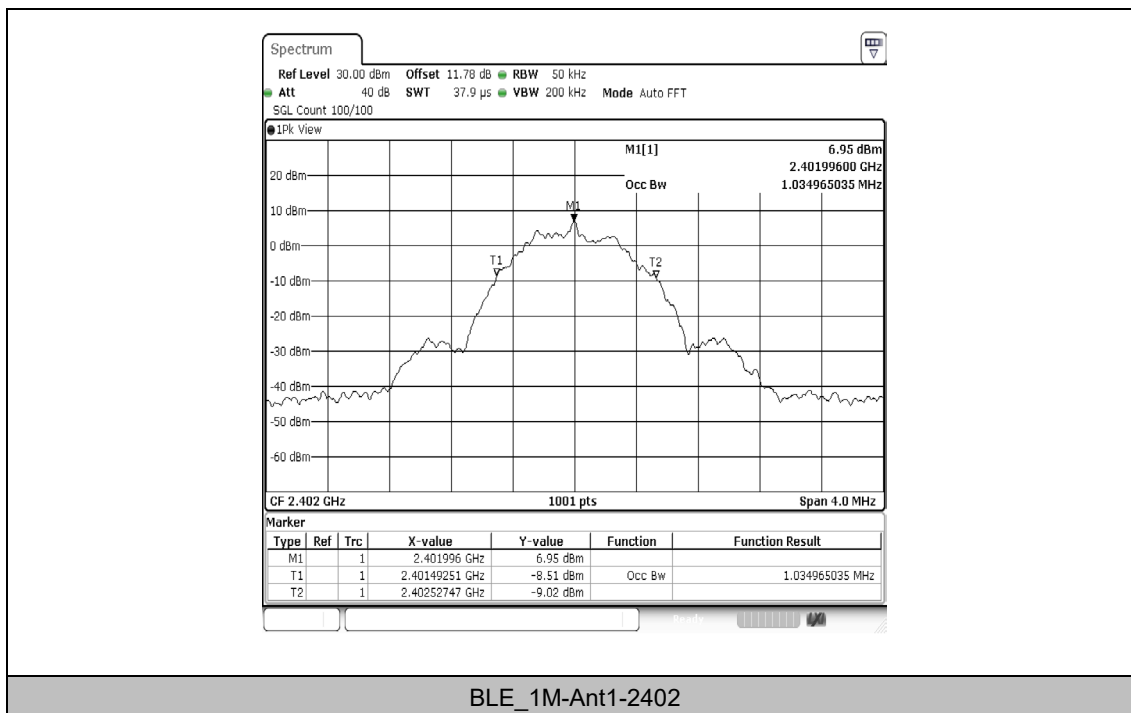


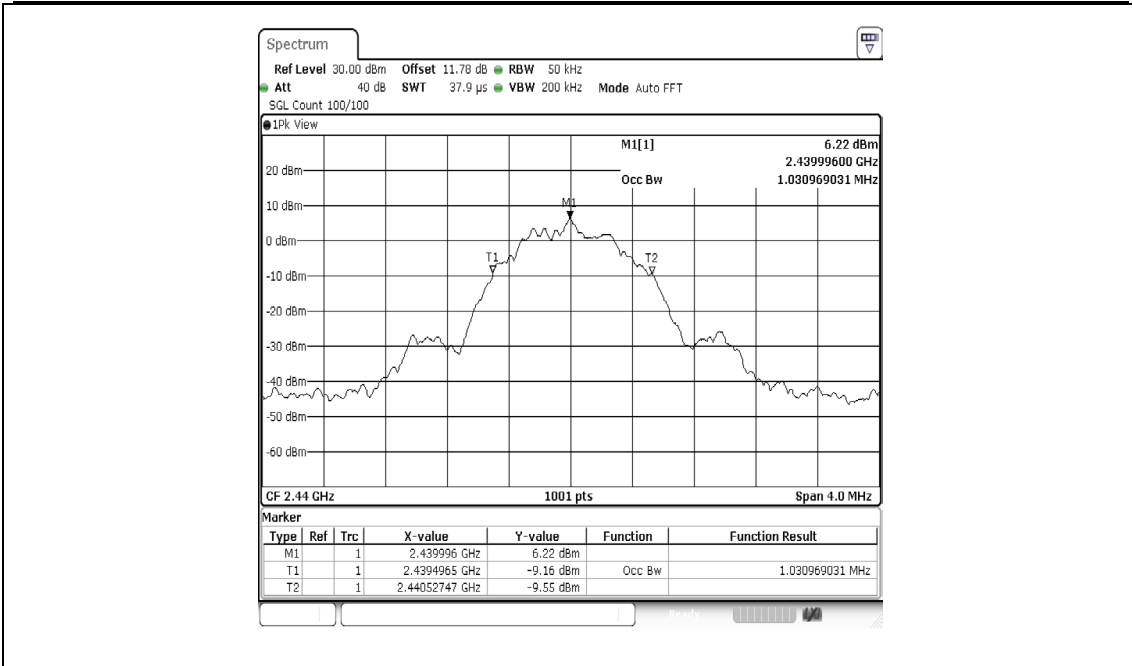
Appendix B: Occupied Channel Bandwidth

Test Result

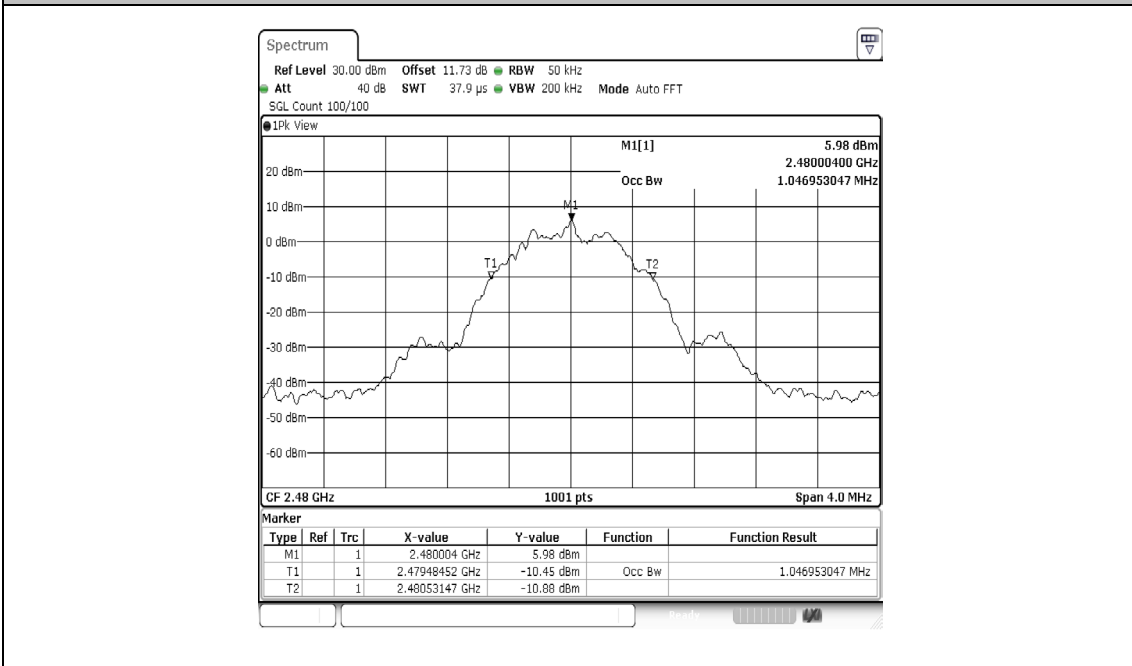
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.035	2401.4925	2402.5275	---	---
BLE_1M	Ant1	2440	1.031	2439.4965	2440.5275	---	---
BLE_1M	Ant1	2480	1.047	2479.4845	2480.5315	---	---

Test Graphs





BLE_1M-Ant1-2440



BLE_1M-Ant1-2480

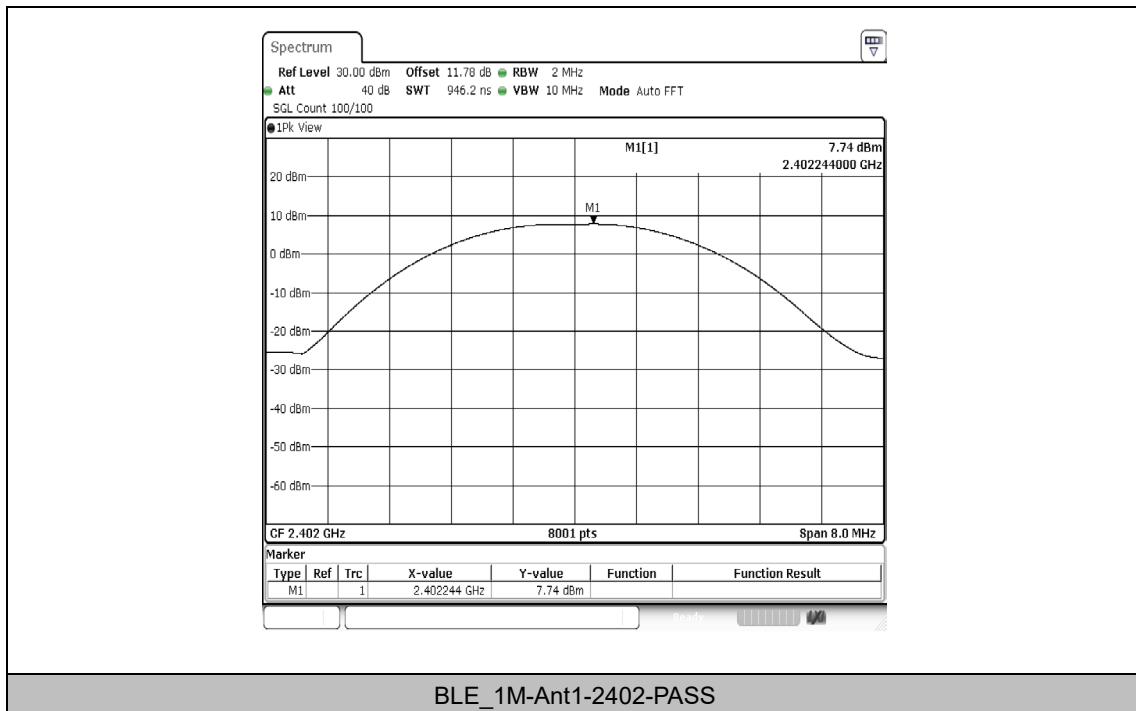


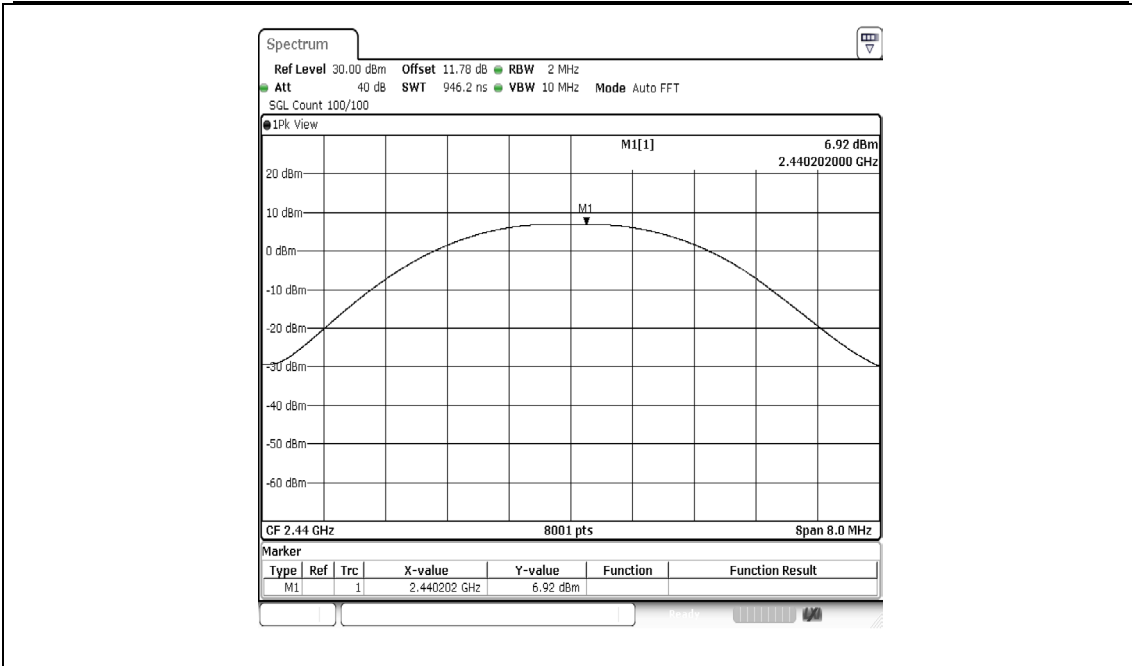
Appendix C: Maximum conducted output power

Test Result Peak

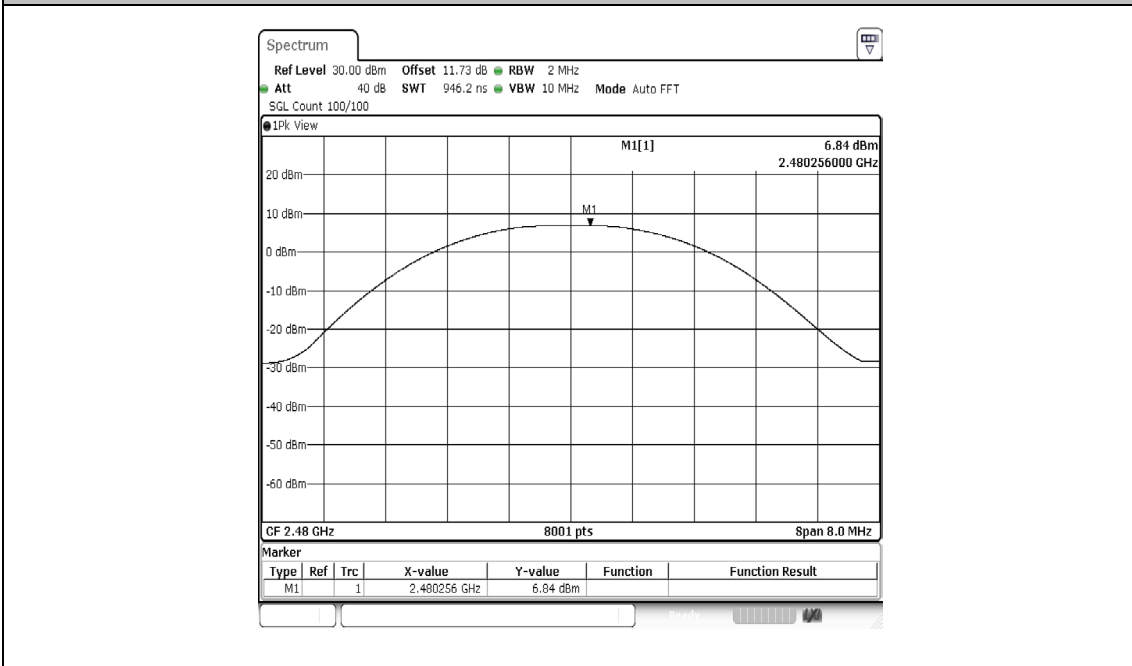
TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	7.74	≤30	PASS
BLE_1M	Ant1	2440	6.92	≤30	PASS
BLE_1M	Ant1	2480	6.84	≤30	PASS

Test Graphs Peak





BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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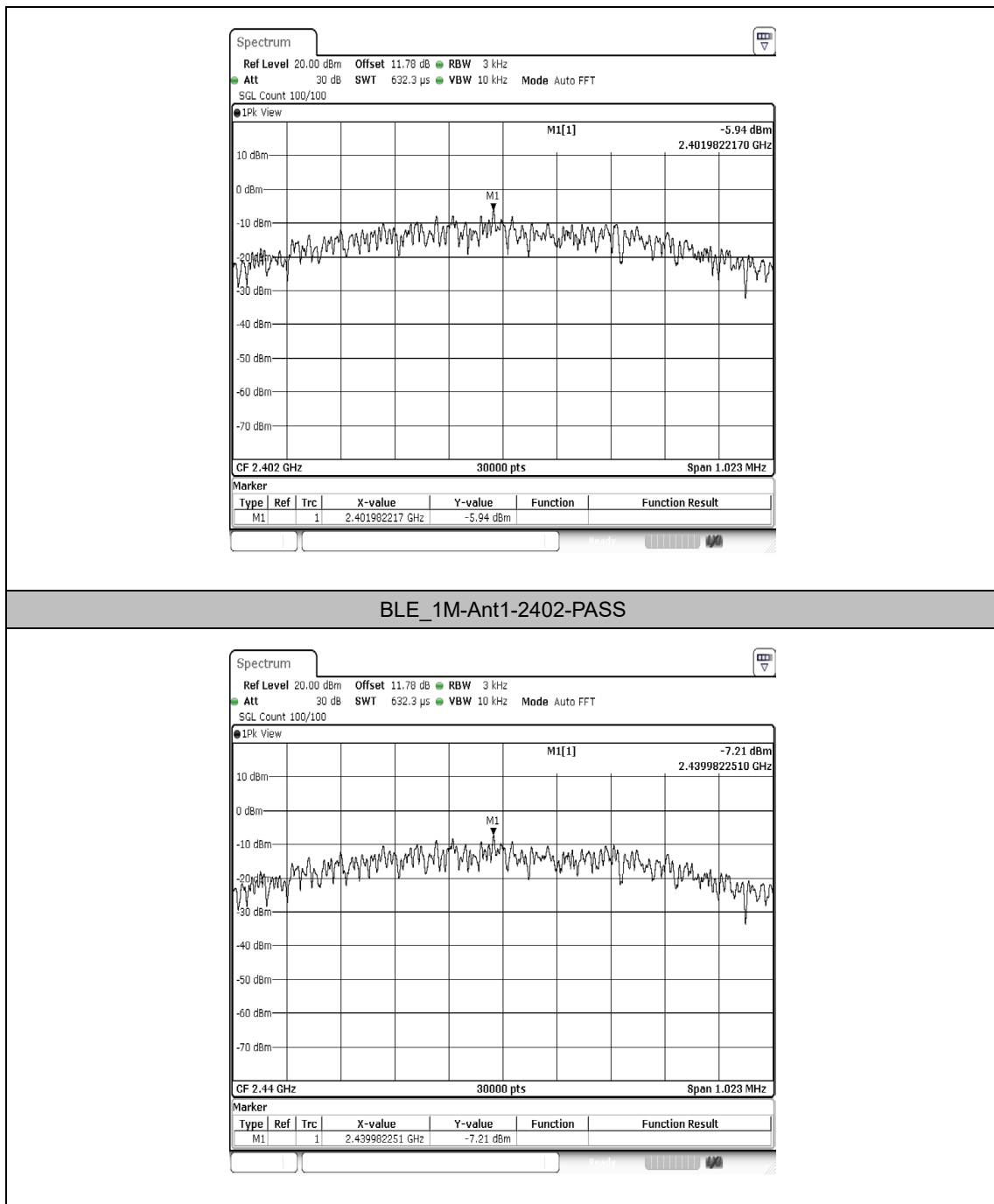


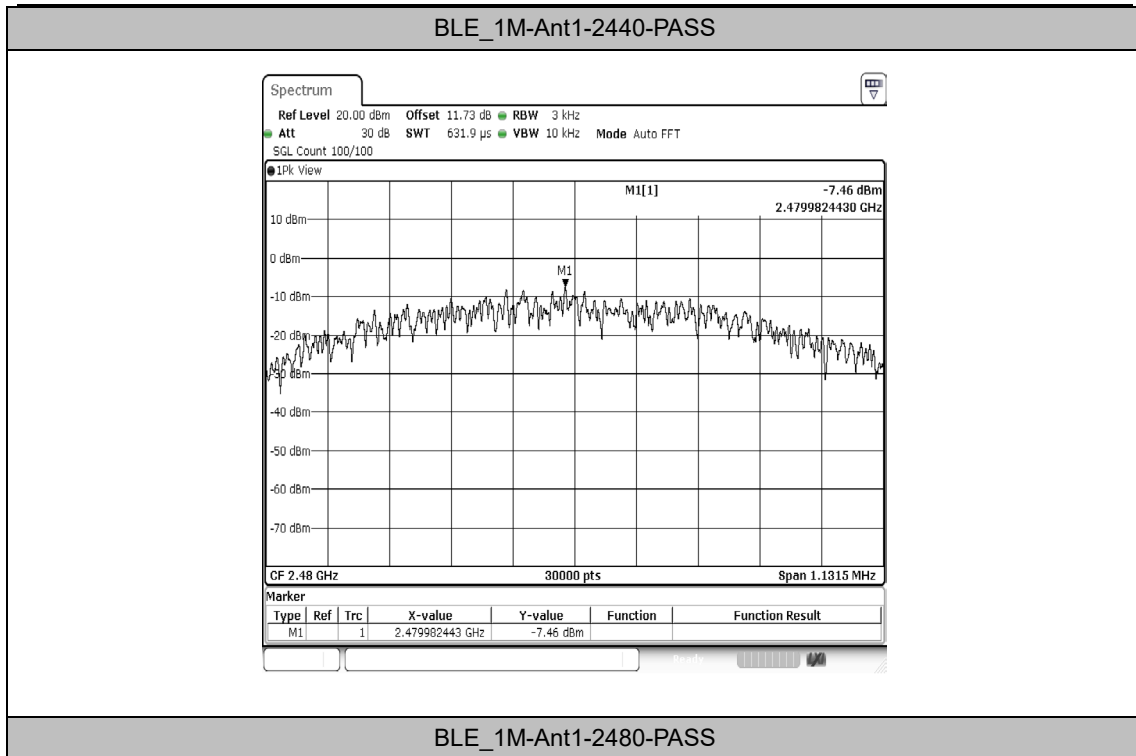
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-5.94	≤8.00	PASS
BLE_1M	Ant1	2440	-7.21	≤8.00	PASS
BLE_1M	Ant1	2480	-7.46	≤8.00	PASS

Test Graphs





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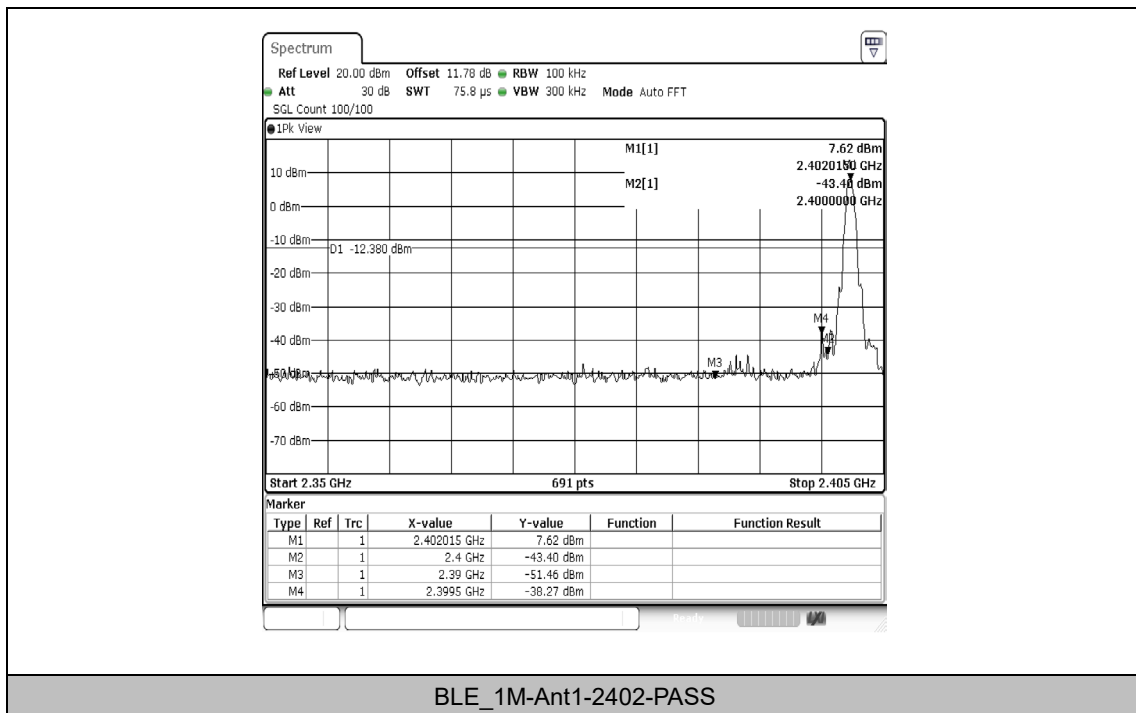


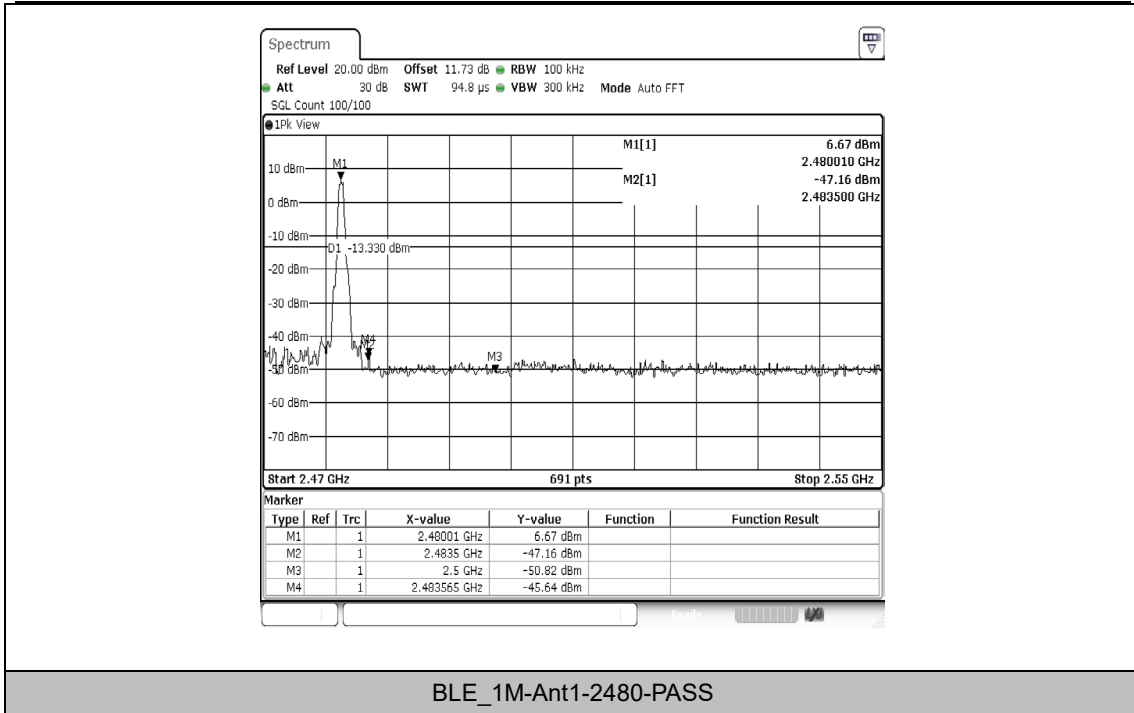
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	7.62	-38.27	≤-12.38	PASS
BLE_1M	Ant1	High	2480	6.67	-45.64	≤-13.33	PASS

Test Graphs





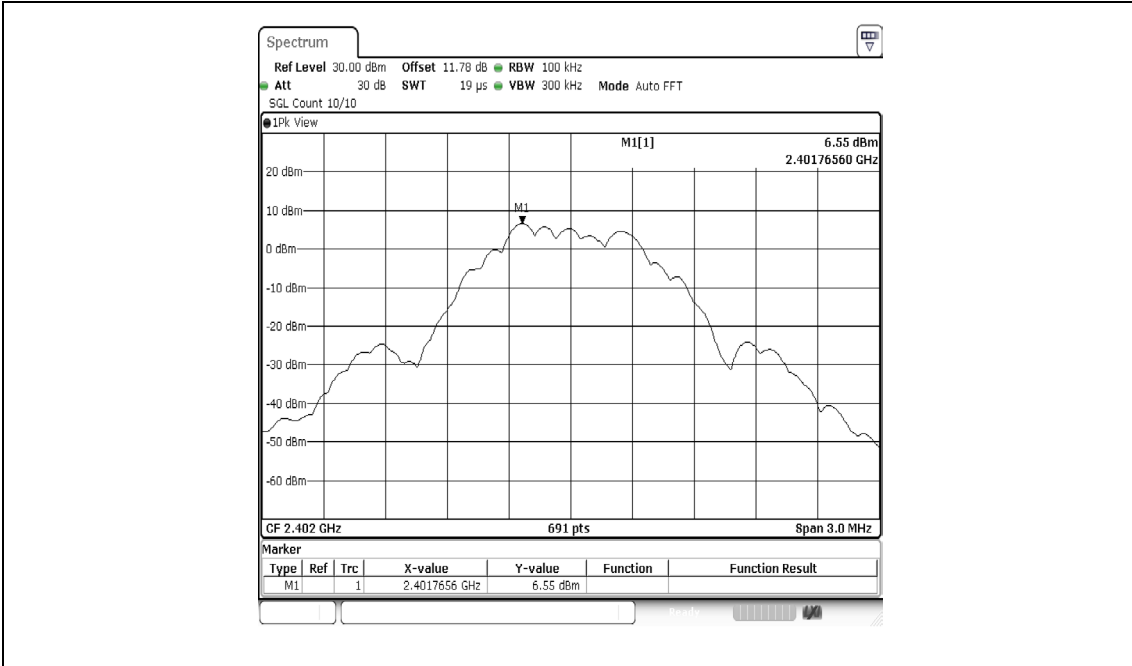
Appendix F: Conducted Spurious Emission

Test Result

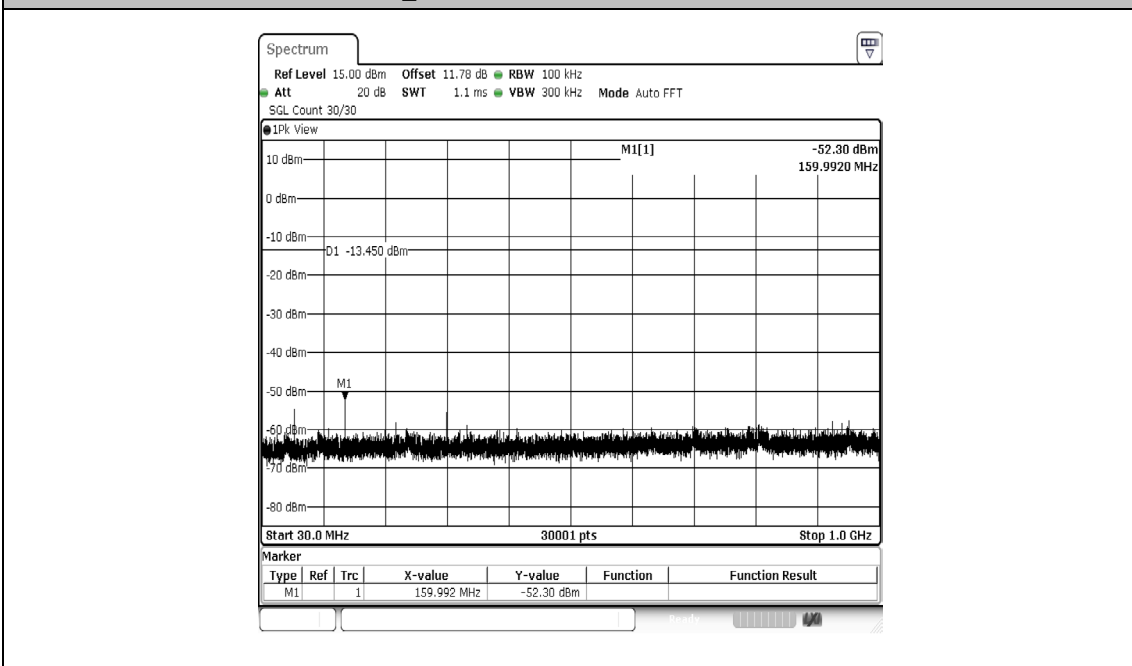
TestMod e	Antenn a	Frequency[MHz]	FreqRange [MHz]	RefLeve l [dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	2402	0~Referenc e	6.55	6.55	---	PASS
BLE_1M	Ant1	2402	30~1000	6.55	-52.3	≤-13.45	PASS
BLE_1M	Ant1	2402	1000~26500	6.55	-40.04	≤-13.45	PASS
BLE_1M	Ant1	2440	0~Referenc e	5.35	5.35	---	PASS
BLE_1M	Ant1	2440	30~1000	5.35	-52.46	≤-14.65	PASS
BLE_1M	Ant1	2440	1000~26500	5.35	-39.44	≤-14.65	PASS
BLE_1M	Ant1	2480	0~Referenc e	6.40	6.40	---	PASS
BLE_1M	Ant1	2480	30~1000	6.40	-52.24	≤-13.6	PASS
BLE_1M	Ant1	2480	1000~26500	6.40	-40.8	≤-13.6	PASS



Test Graphs

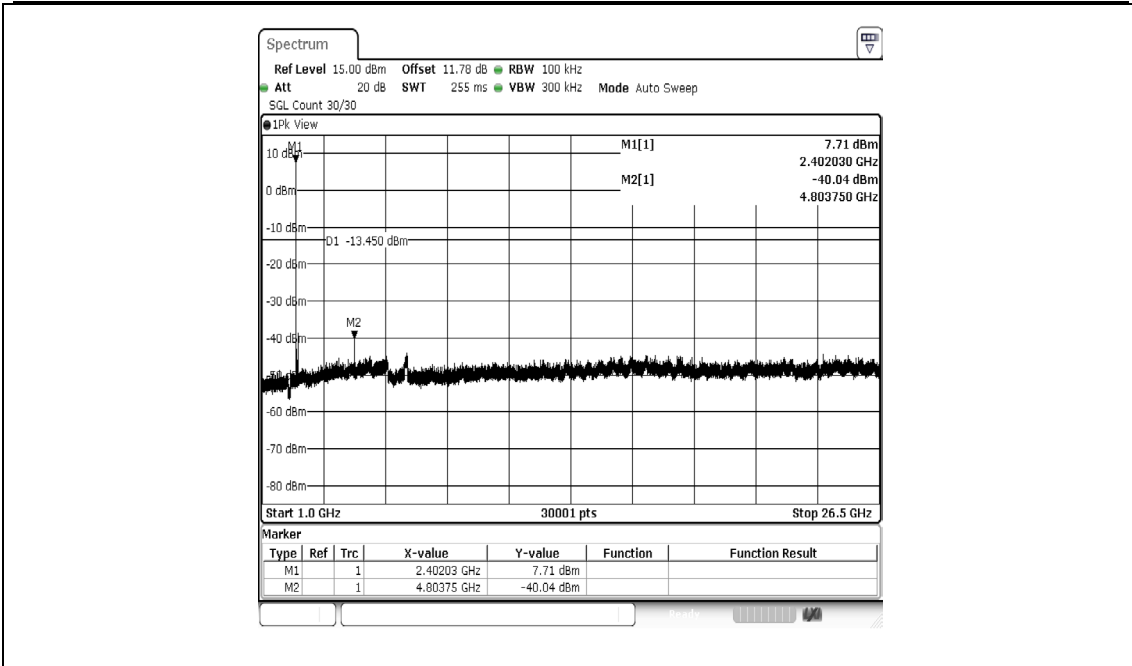


BLE_1M-Ant1-2402-0~Reference-PASS

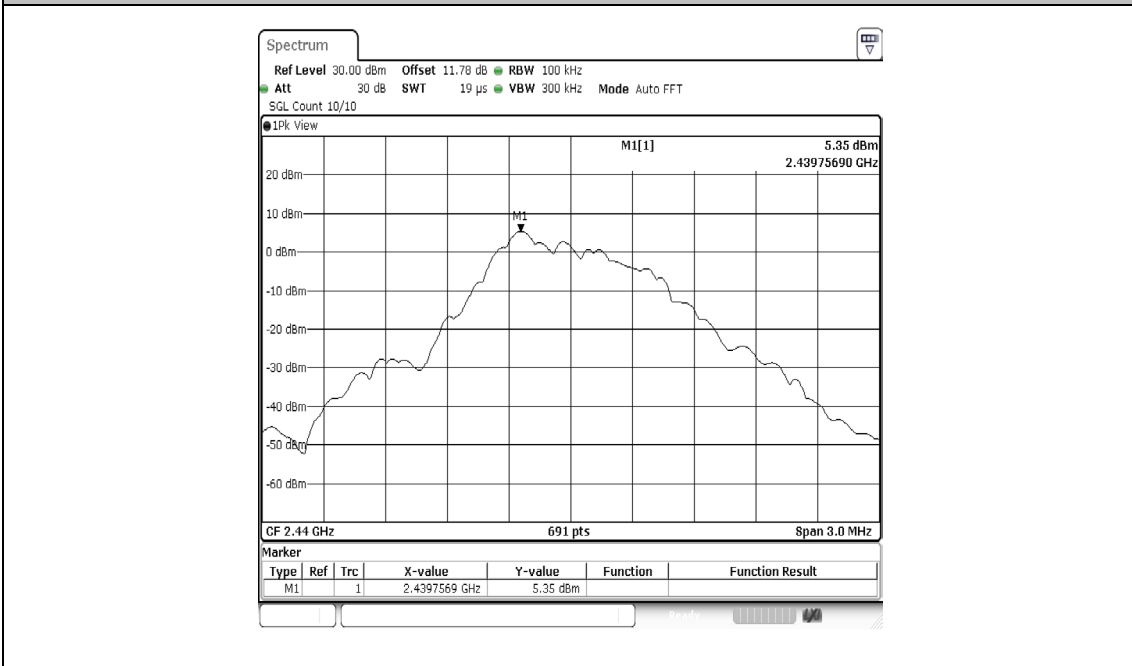


BLE_1M-Ant1-2402-30~1000-PASS



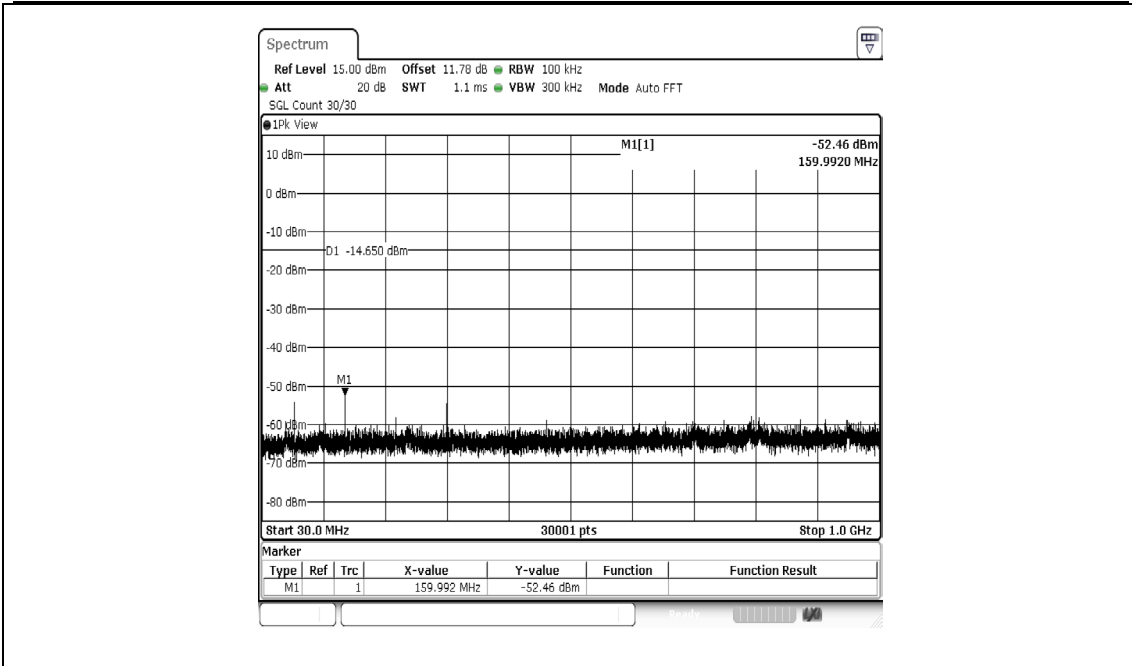


BLE_1M-Ant1-2402-1000~26500-PASS

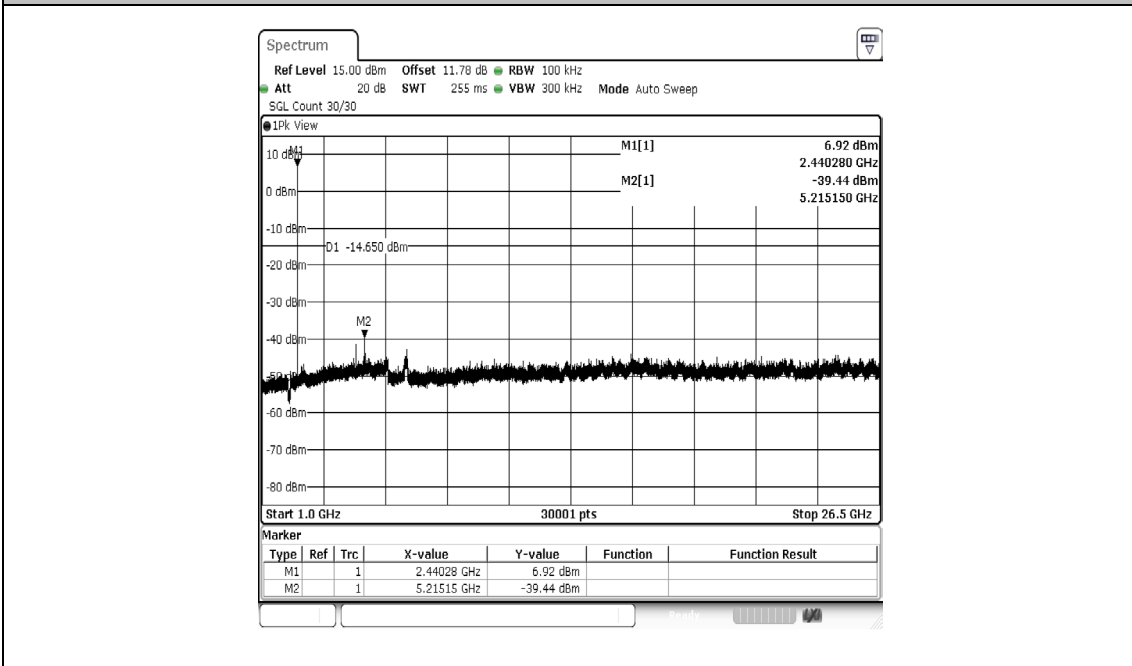


BLE_1M-Ant1-2440-0~Reference-PASS



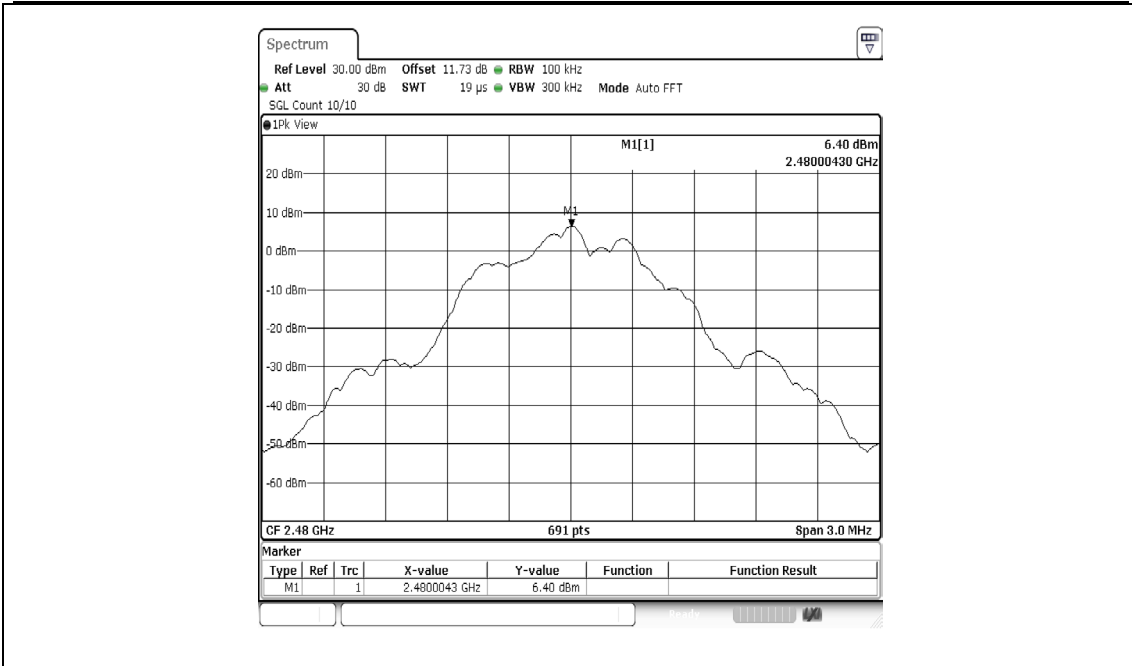


BLE_1M-Ant1-2440-30~1000-PASS

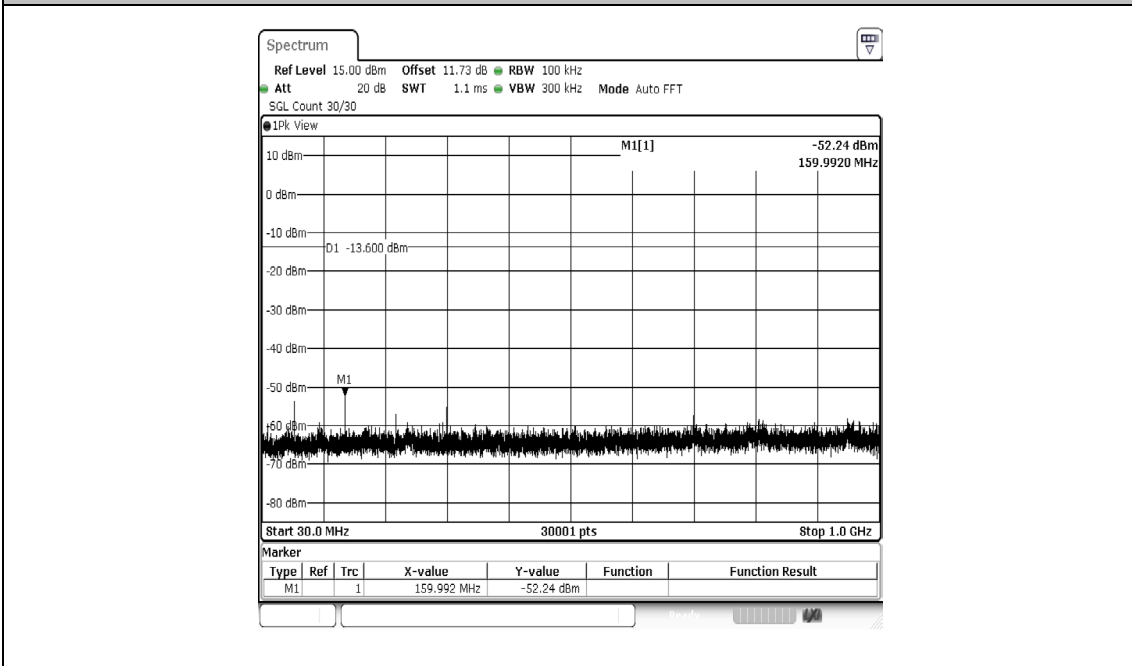


BLE_1M-Ant1-2440-1000~26500-PASS



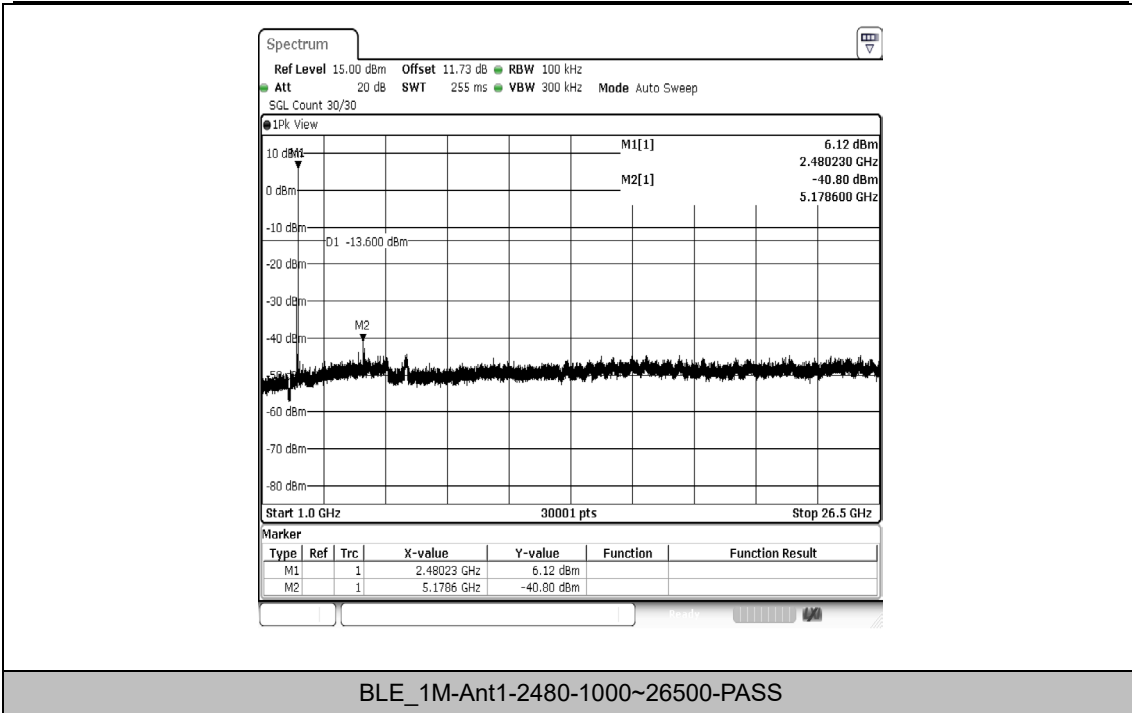


BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS





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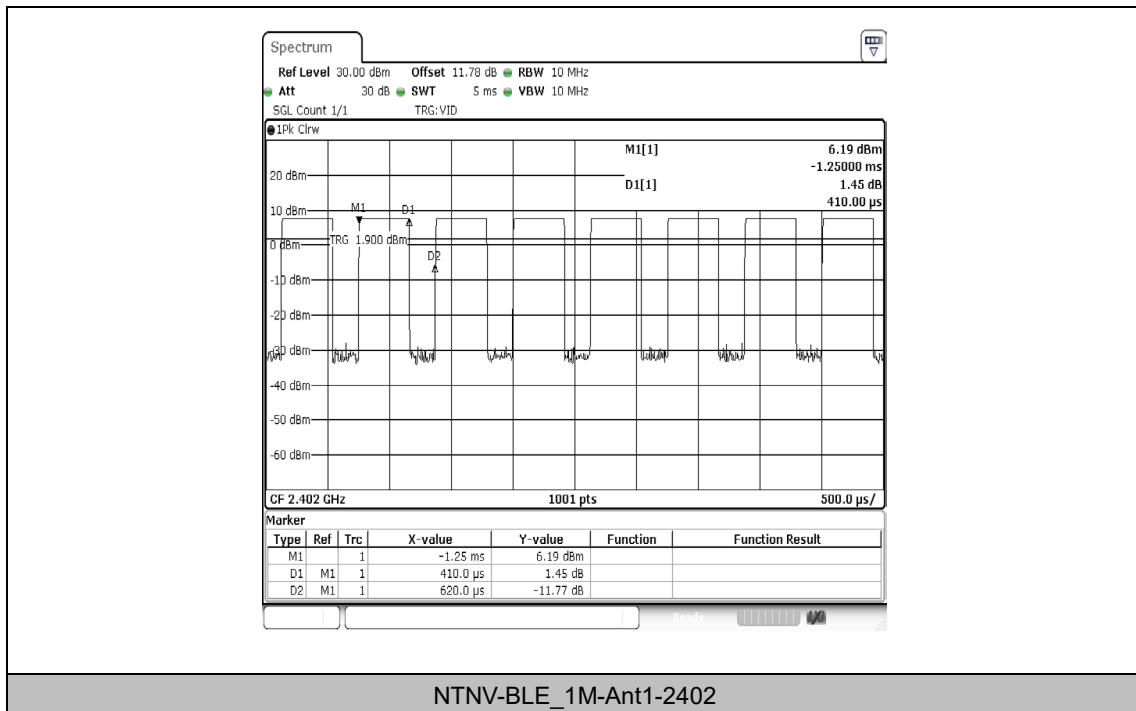


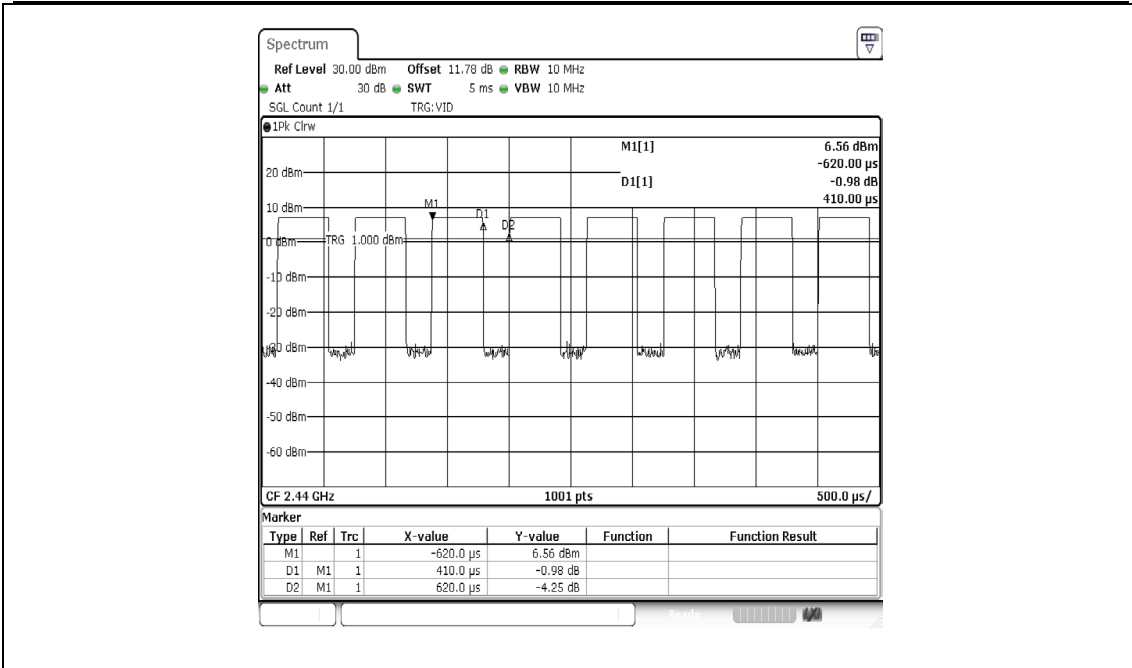
Appendix G: Duty Cycle

Test Result

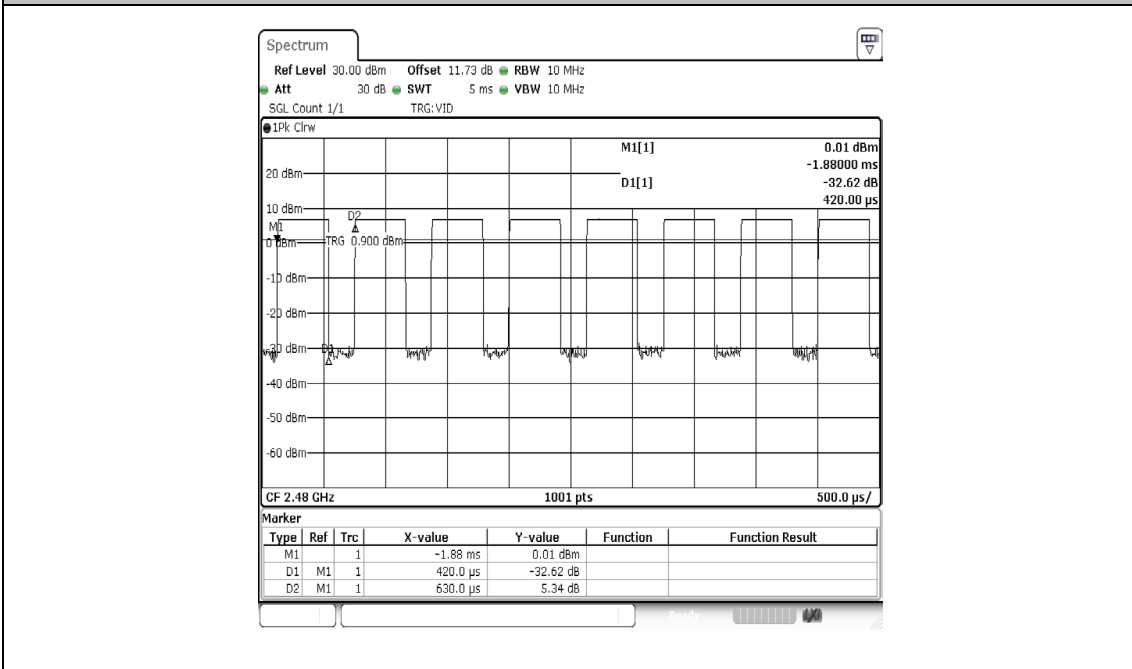
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.41	0.62	66.13	1.80
BLE_1M	Ant1	2440	0.41	0.62	66.13	1.80
BLE_1M	Ant1	2480	0.42	0.63	66.67	1.76

Test Graphs





NTNV-BLE_1M-Ant1-2440



NTNV-BLE_1M-Ant1-2480

---END---

