

Appendix Test Data

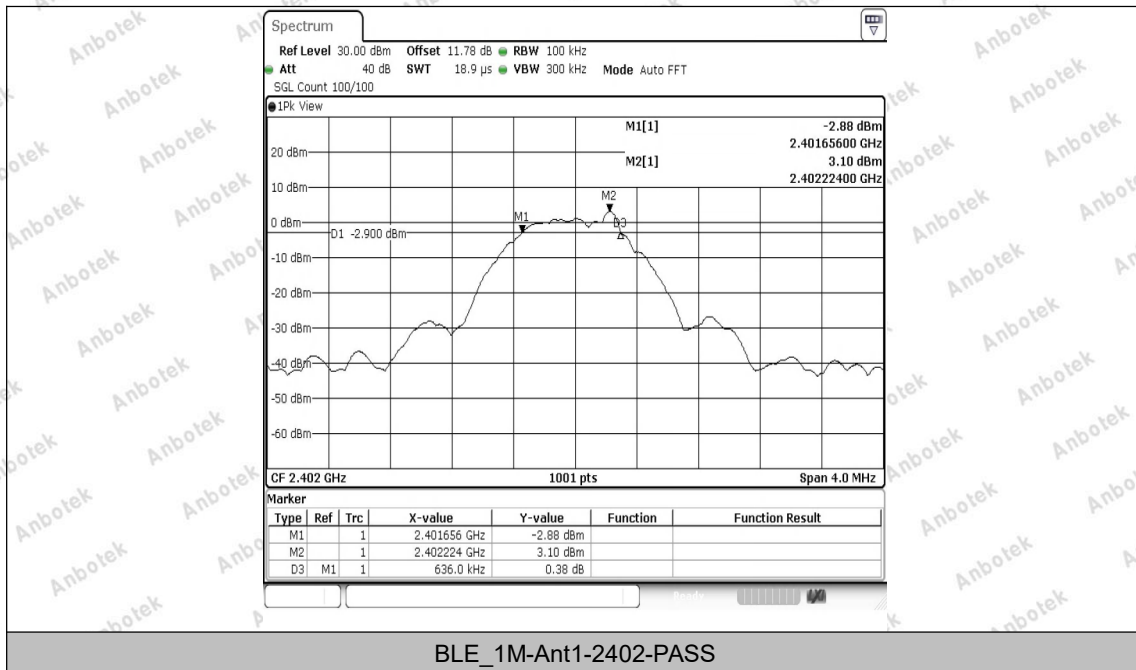
Report No:	1812C40019912501	Test Sample NO:	1-2-2
Start Test Date:	2024.08.20	Finish Test Date:	2024.08.20
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.3°C	Relative Humidity:	45%
Pressure:	101 kPa		

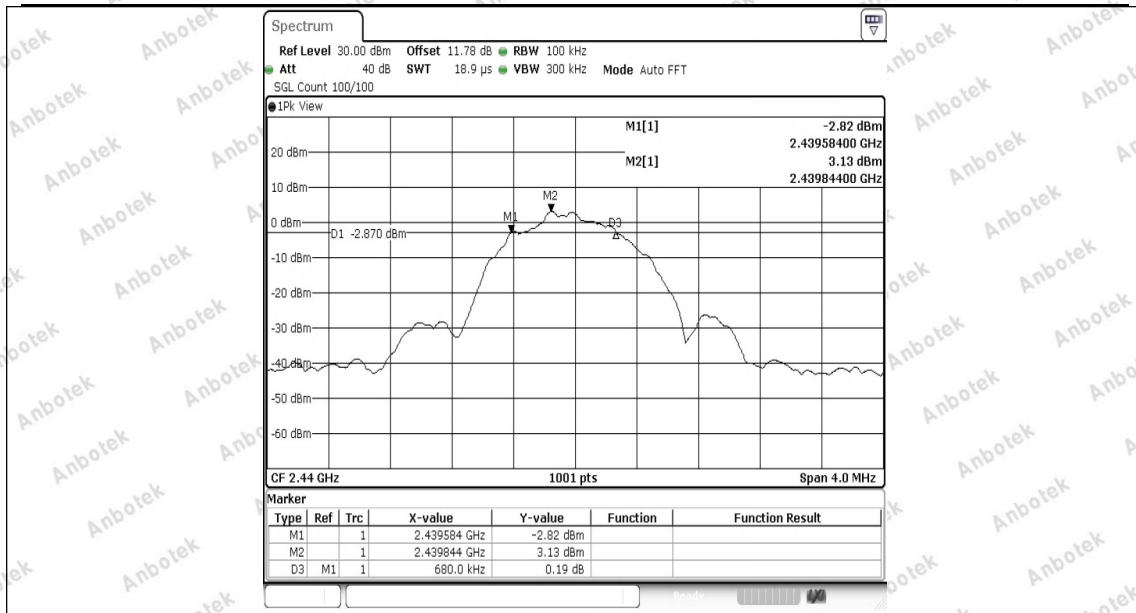
Appendix A: DTS Bandwidth

Test Result

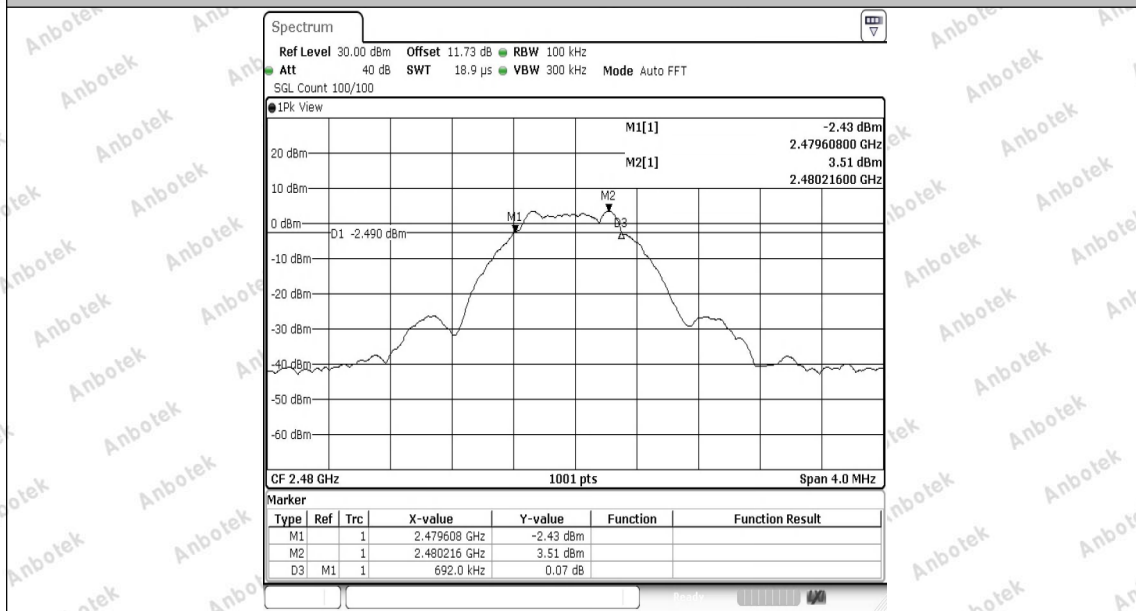
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.64	2401.66	2402.29	0.5	PASS
BLE_1M	Ant1	2440	0.68	2439.58	2440.26	0.5	PASS
BLE_1M	Ant1	2480	0.69	2479.61	2480.30	0.5	PASS

Test Graphs





BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

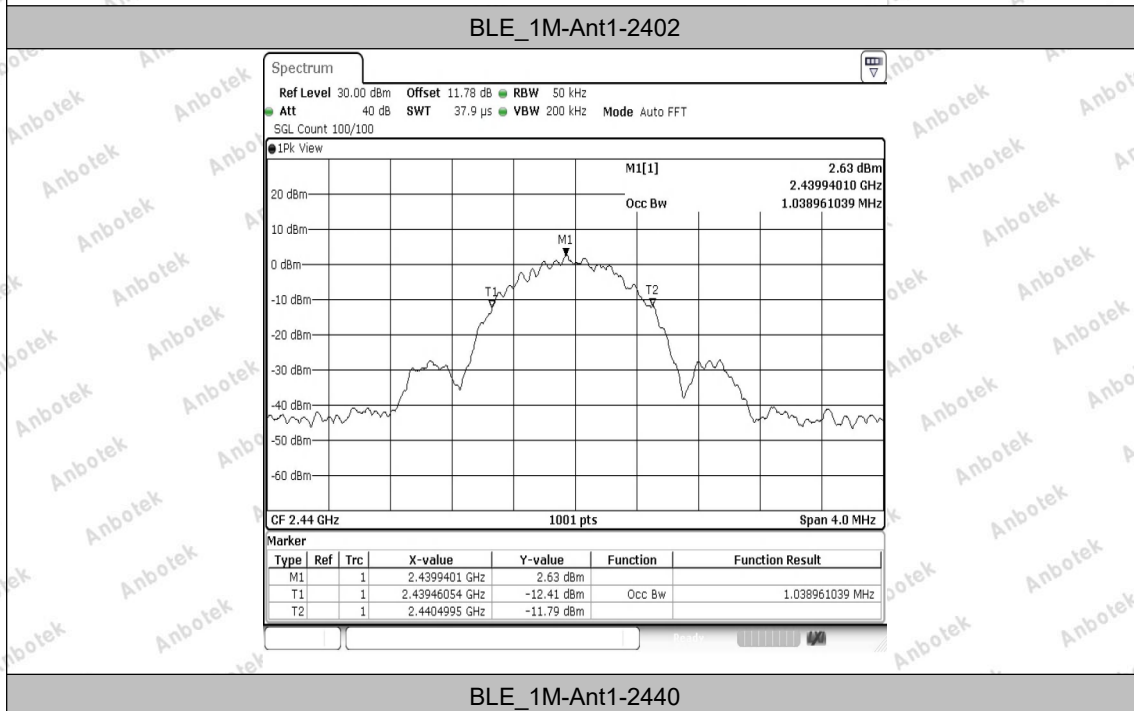
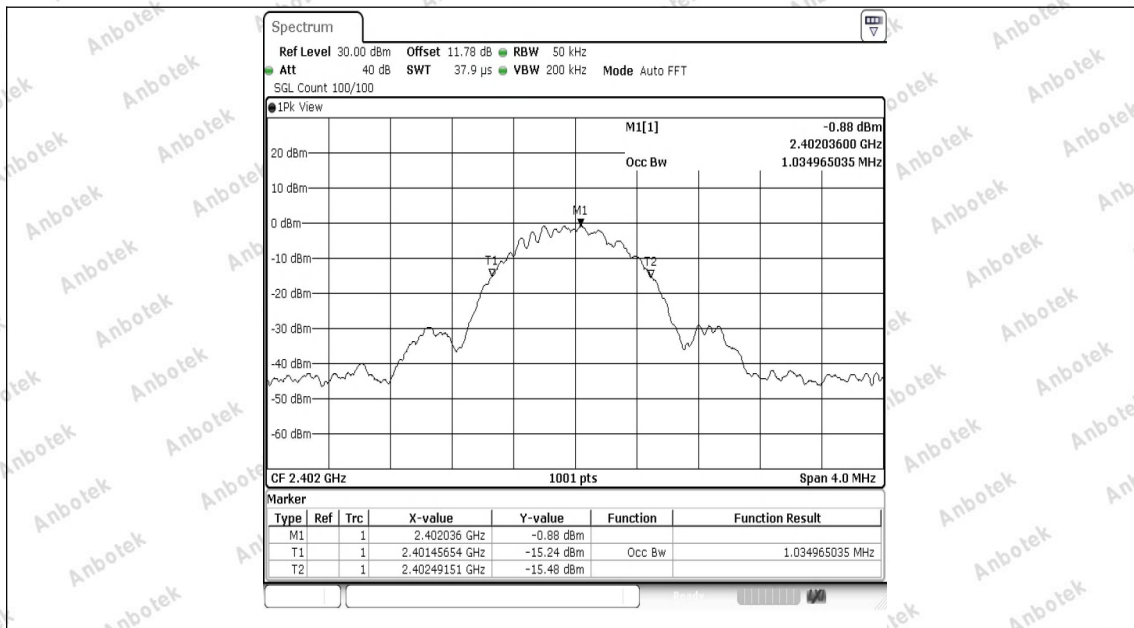


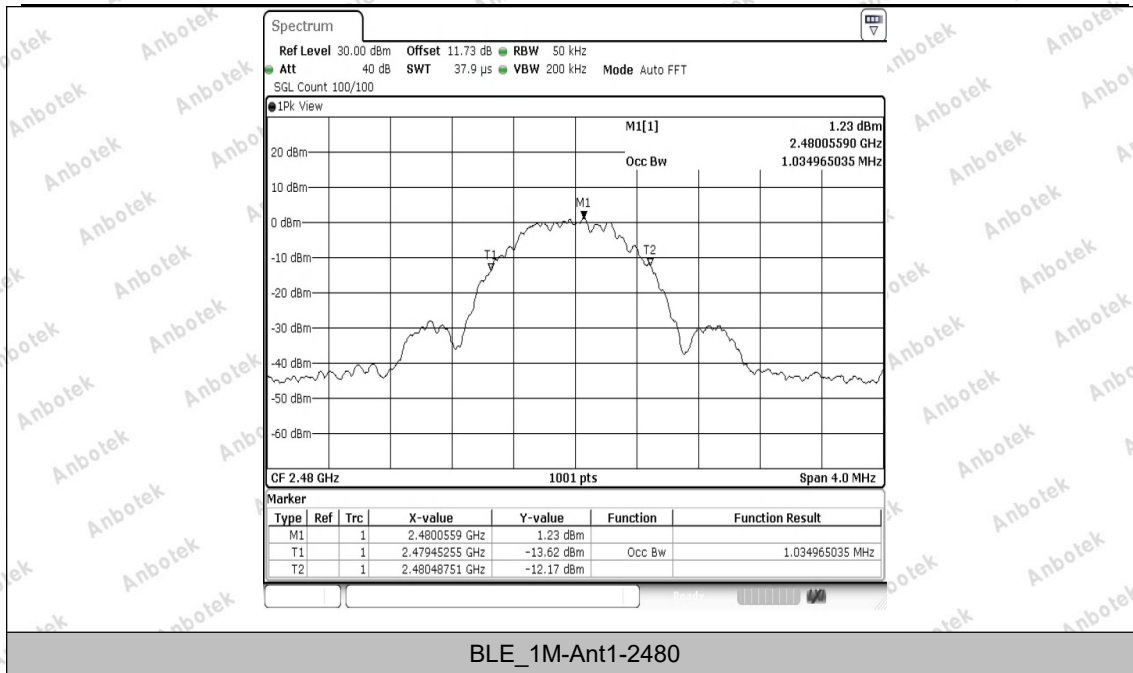
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.035	2401.4565	2402.4915	---	---
BLE_1M	Ant1	2440	1.039	2439.4605	2440.4995	---	---
BLE_1M	Ant1	2480	1.035	2479.4525	2480.4875	---	---

Test Graphs





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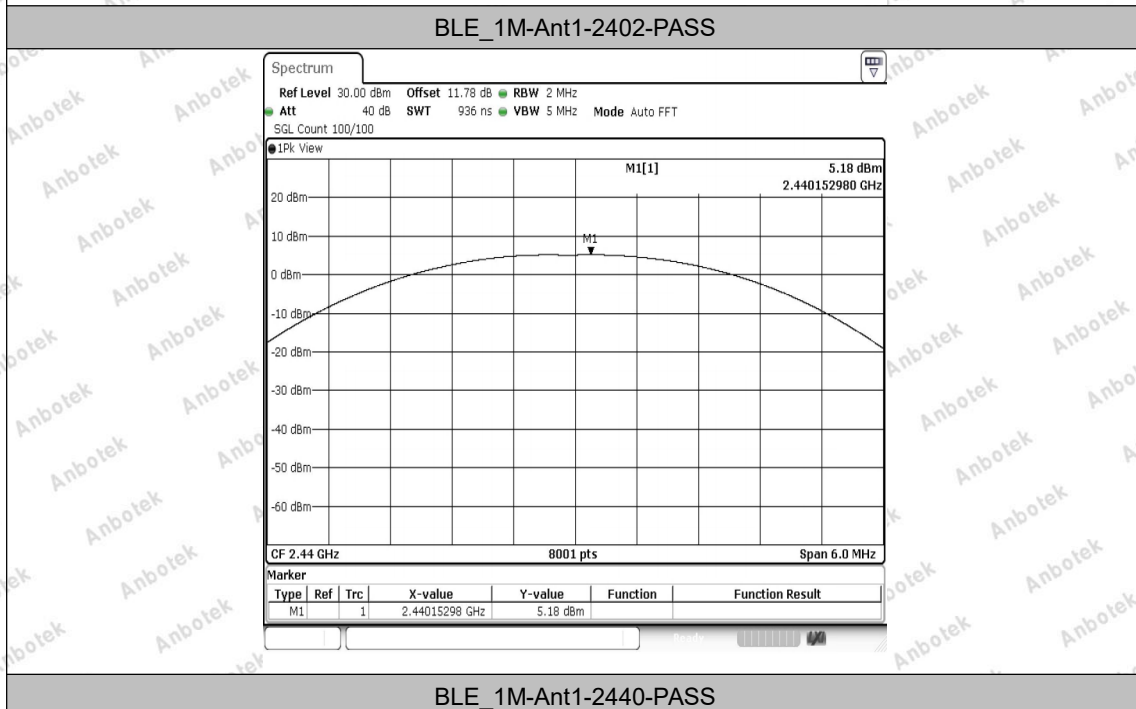
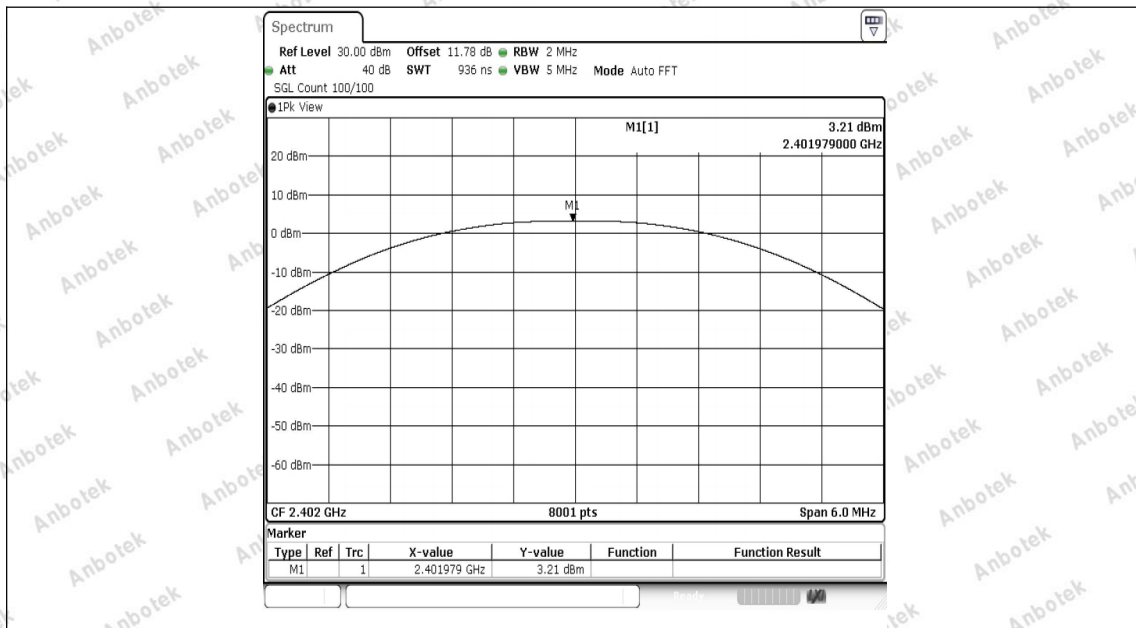


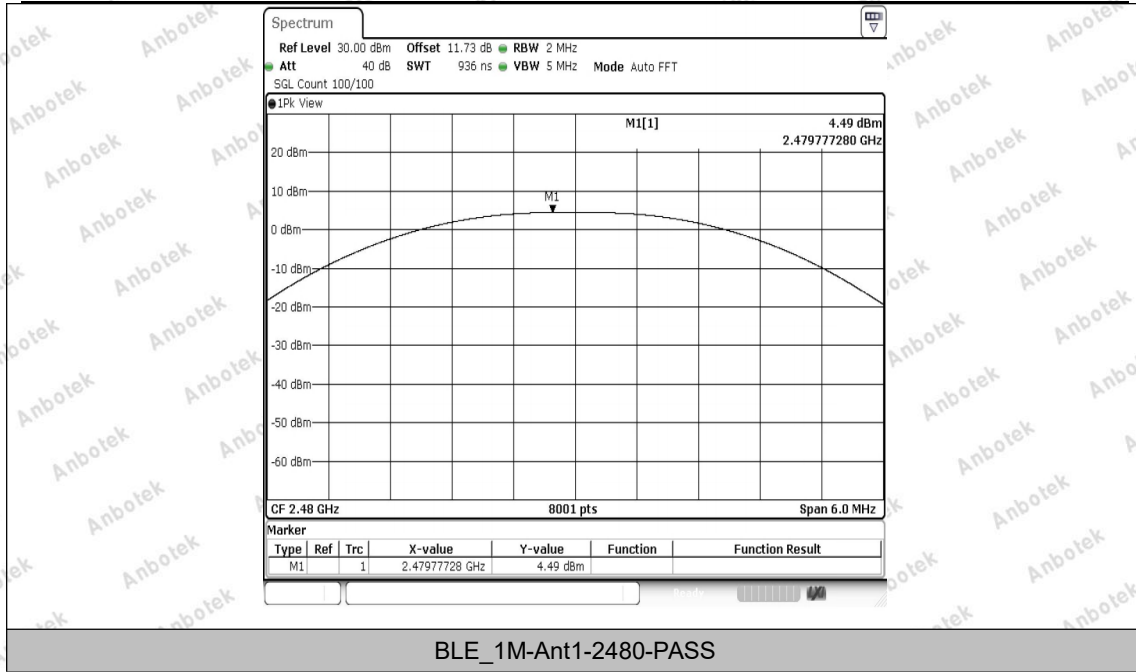
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.21	≤30	PASS
BLE_1M	Ant1	2440	5.18	≤30	PASS
BLE_1M	Ant1	2480	4.49	≤30	PASS

Test Graphs Peak





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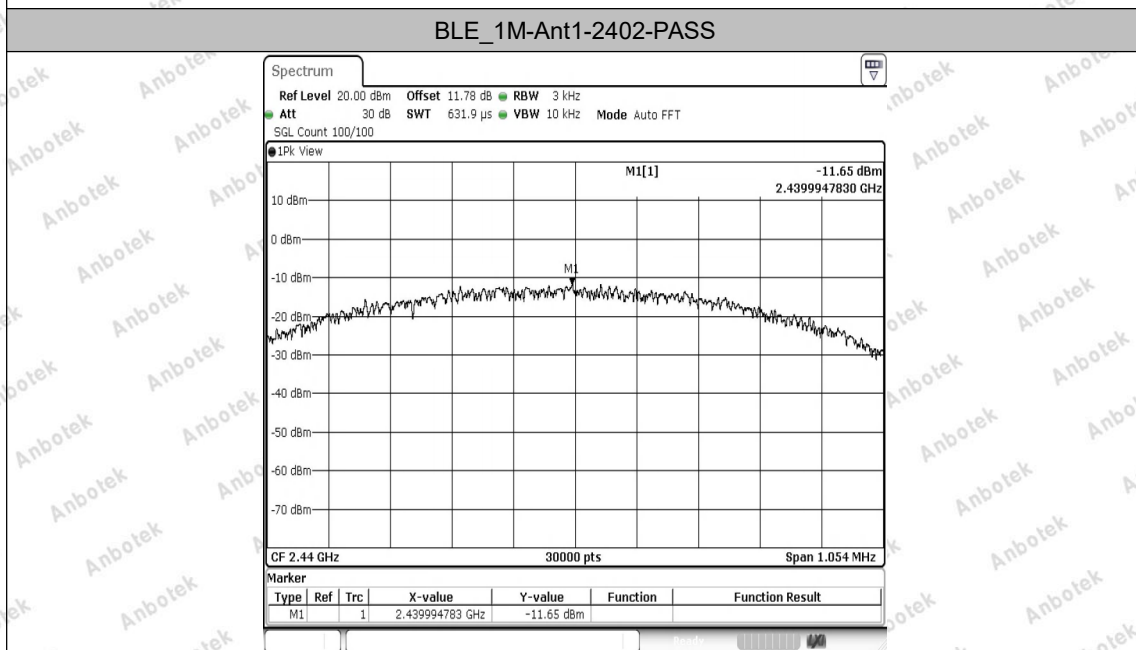
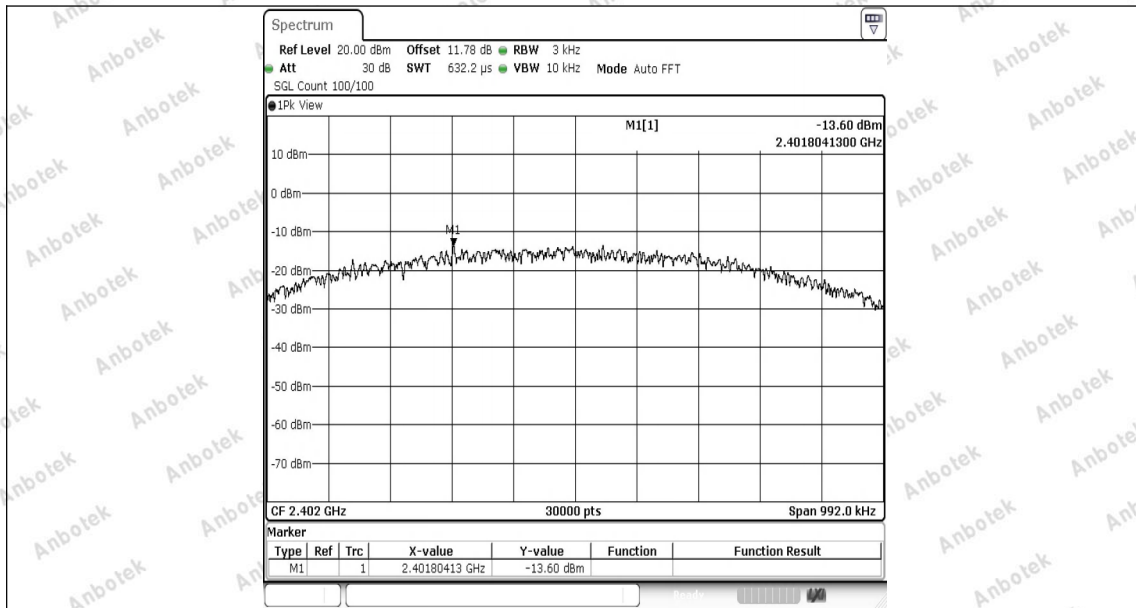


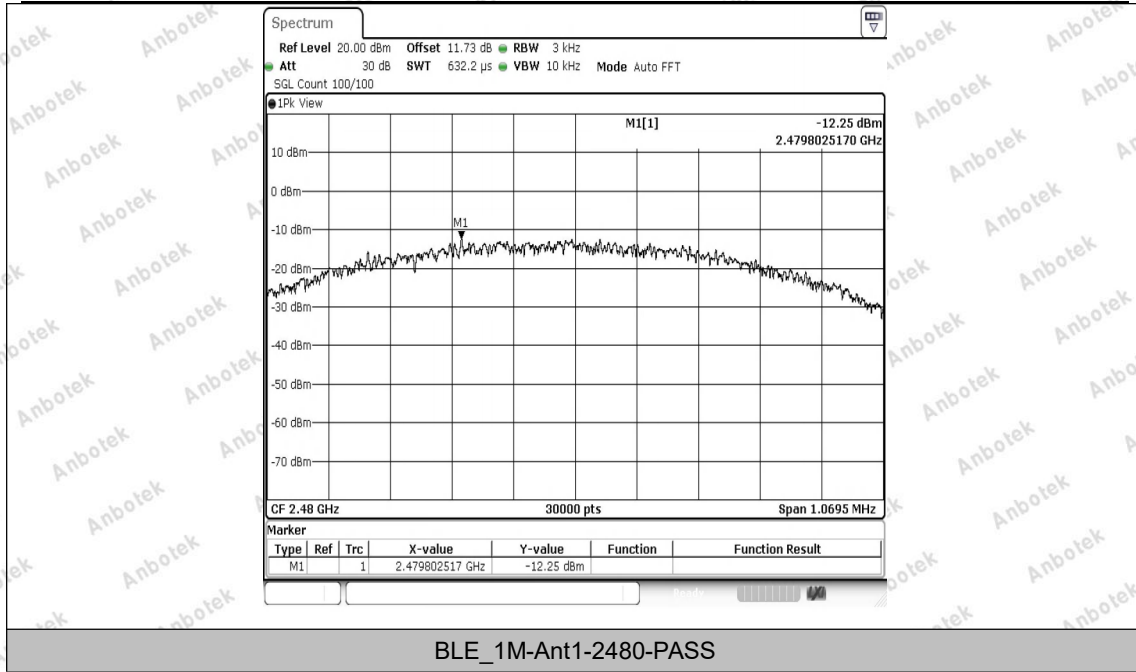
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.60	≤8.00	PASS
BLE_1M	Ant1	2440	-11.65	≤8.00	PASS
BLE_1M	Ant1	2480	-12.25	≤8.00	PASS

Test Graphs





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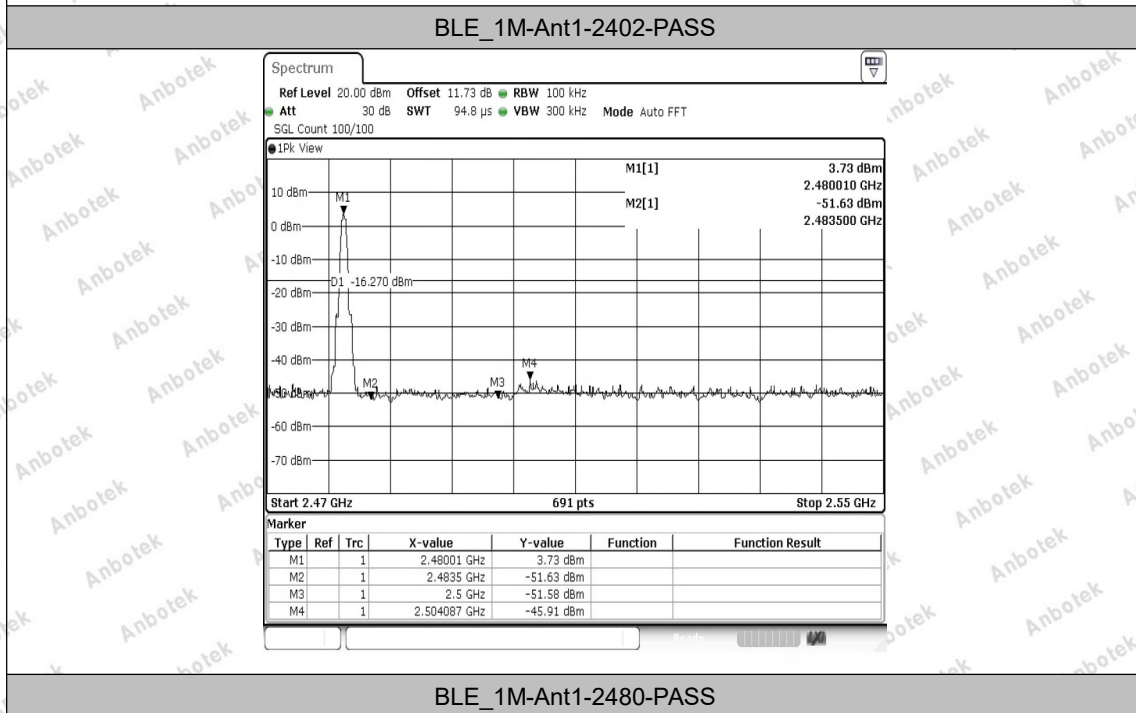
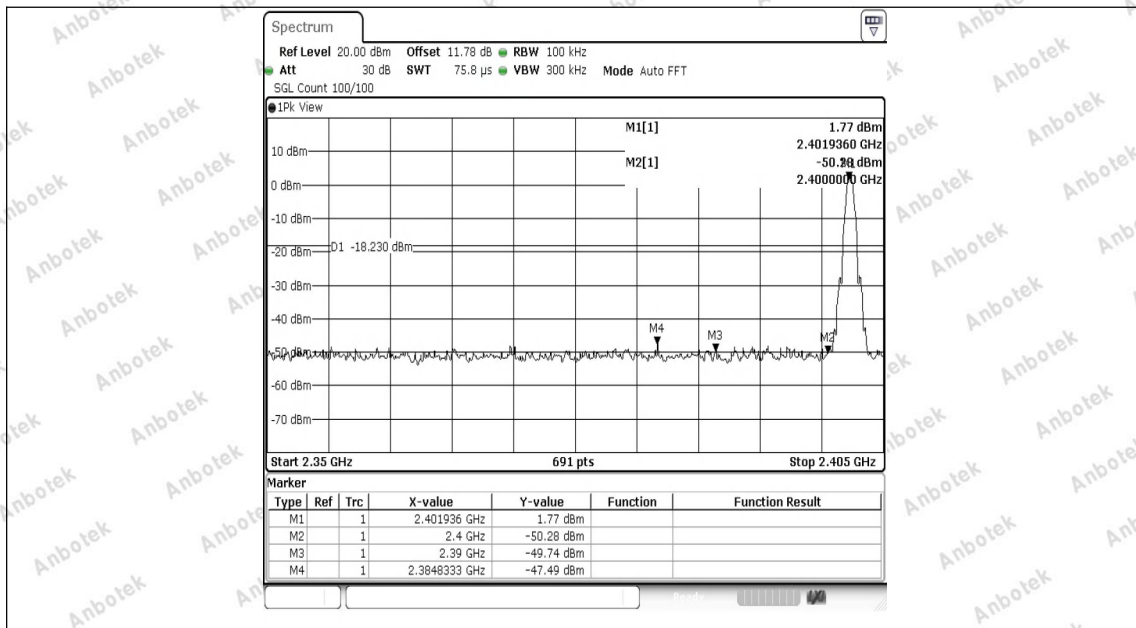


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.77	-47.49	≤-18.23	PASS
BLE_1M	Ant1	High	2480	3.73	-45.91	≤-16.27	PASS

Test Graphs

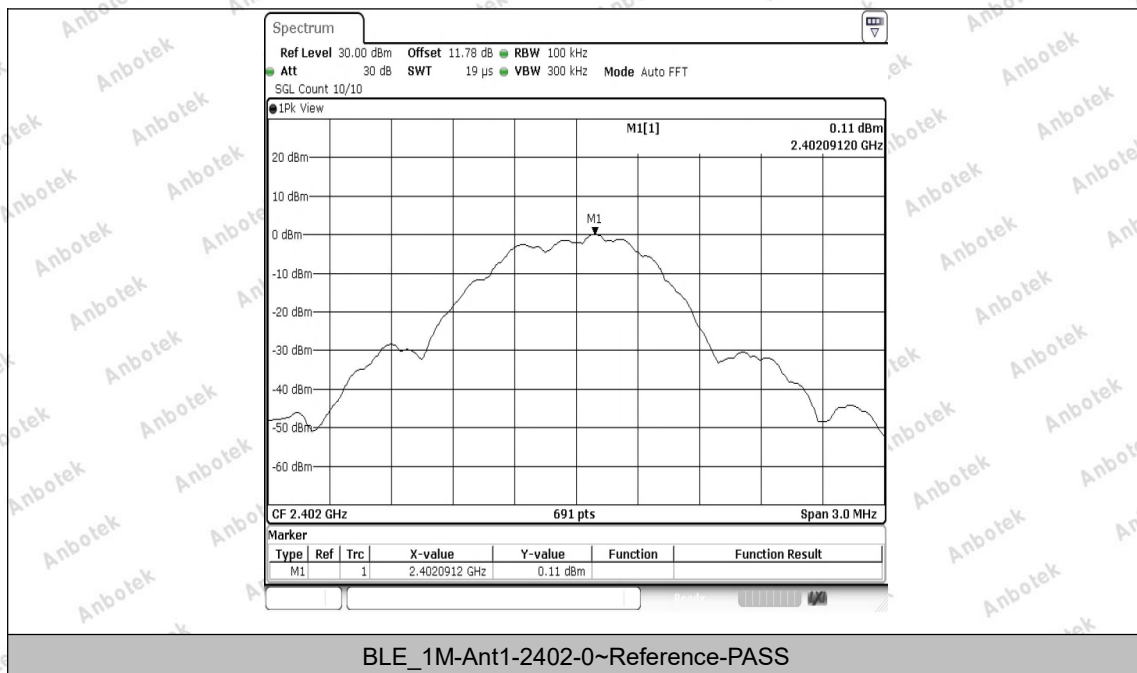


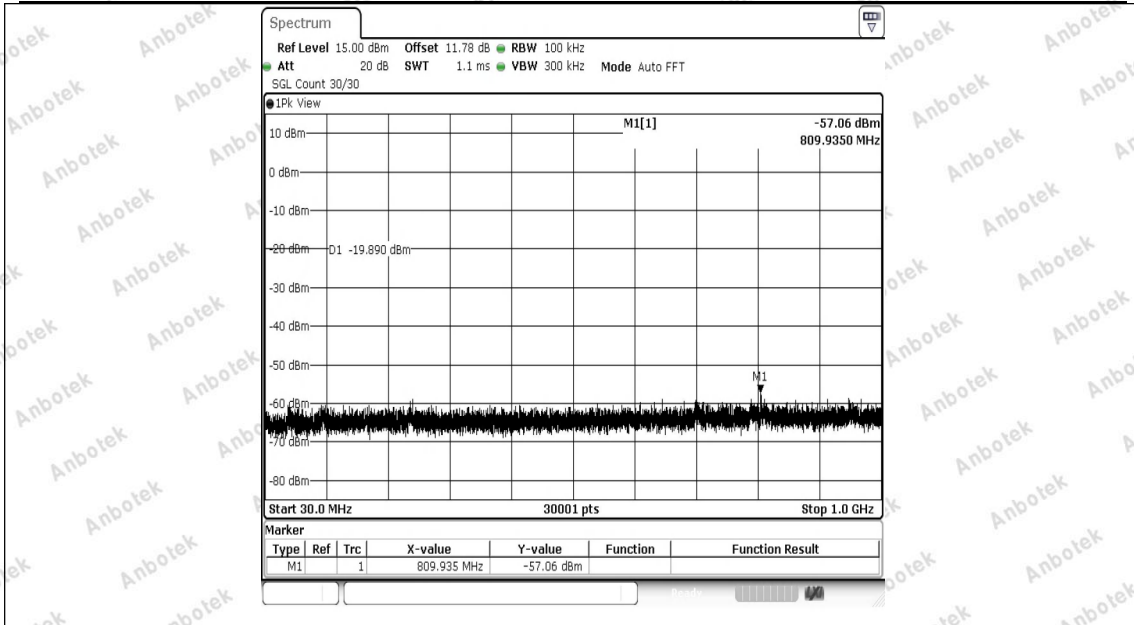
Appendix F: Conducted Spurious Emission

Test Result

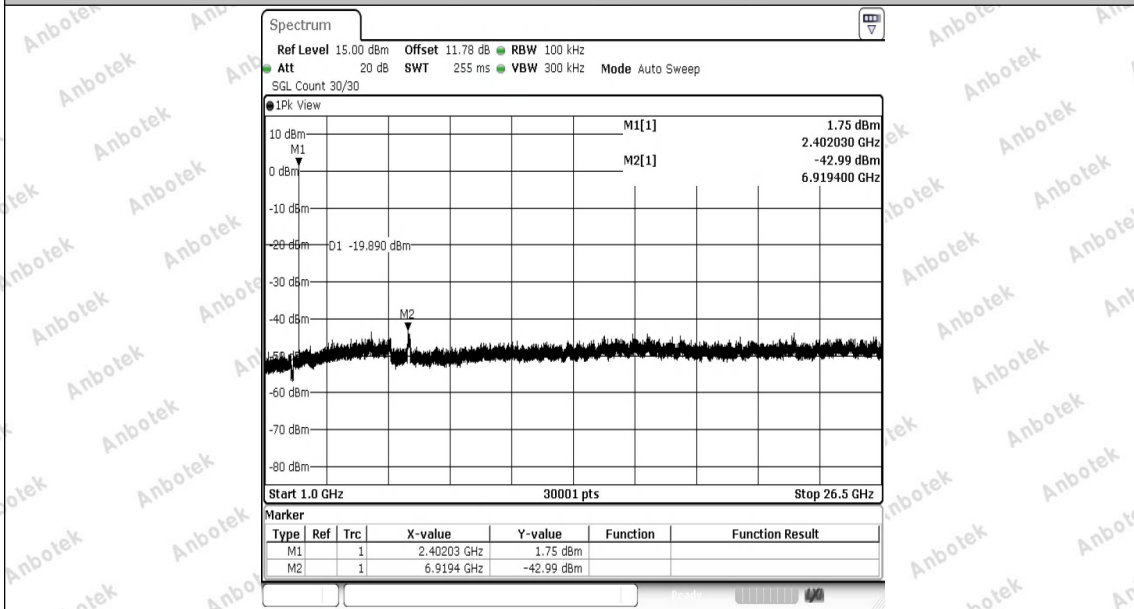
TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.11	0.11	---	PASS
BLE_1M	Ant1	2402	30~1000	0.11	-57.06	≤-19.89	PASS
BLE_1M	Ant1	2402	1000~26500	0.11	-42.99	≤-19.89	PASS
BLE_1M	Ant1	2440	0~Reference	3.15	3.15	---	PASS
BLE_1M	Ant1	2440	30~1000	3.15	-57.78	≤-16.85	PASS
BLE_1M	Ant1	2440	1000~26500	3.15	-43.33	≤-16.85	PASS
BLE_1M	Ant1	2480	0~Reference	2.83	2.83	---	PASS
BLE_1M	Ant1	2480	30~1000	2.83	-57.62	≤-17.17	PASS
BLE_1M	Ant1	2480	1000~26500	2.83	-44.1	≤-17.17	PASS

Test Graphs



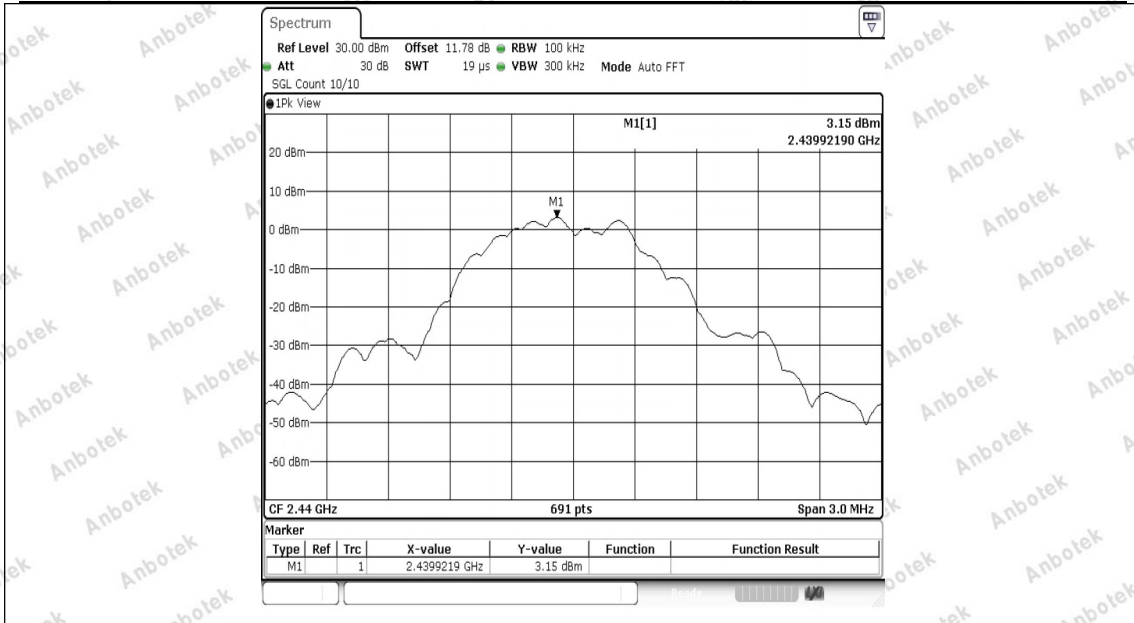


BLE_1M-Ant1-2402-30~1000-PASS

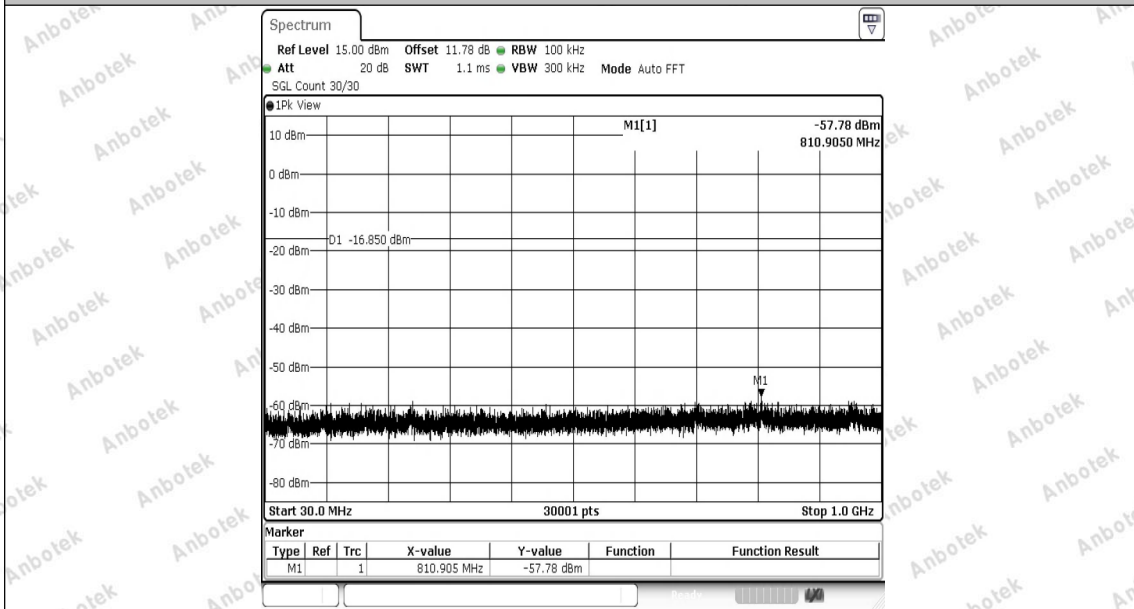


BLE_1M-Ant1-2402-1000~26500-PASS



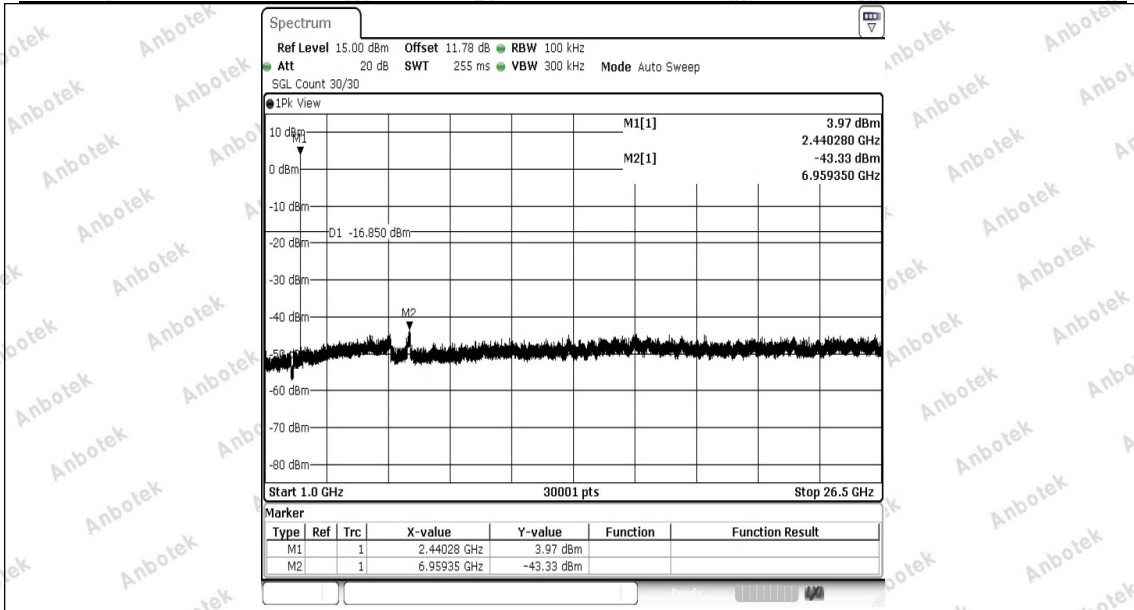


BLE_1M-Ant1-2440-0~Reference-PASS

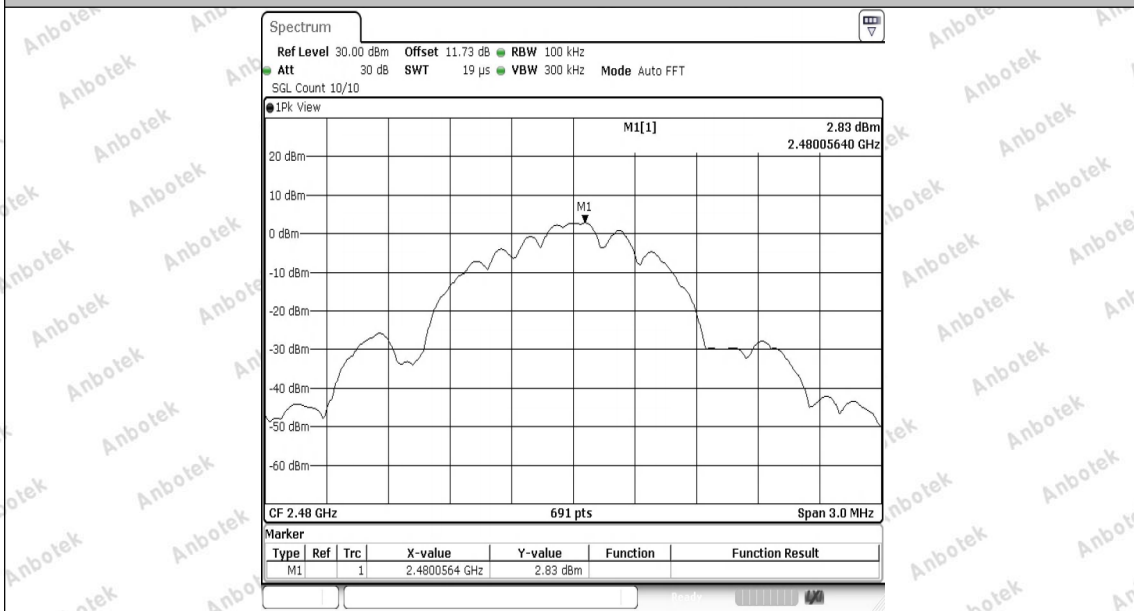


BLE_1M-Ant1-2440-30~1000-PASS



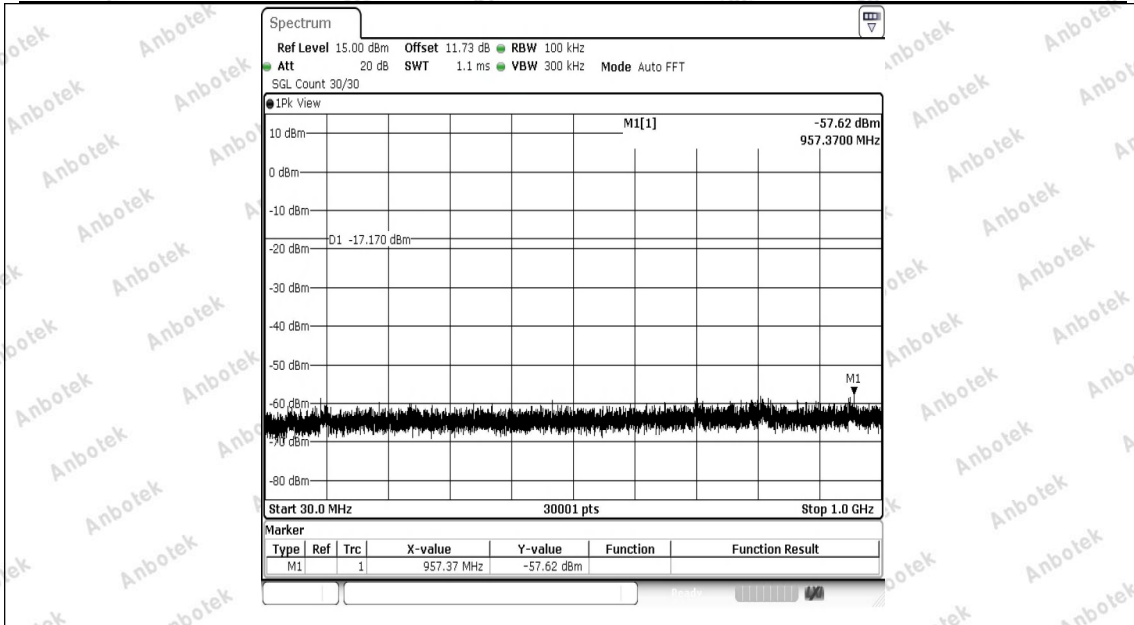


BLE_1M-Ant1-2440-1000~26500-PASS

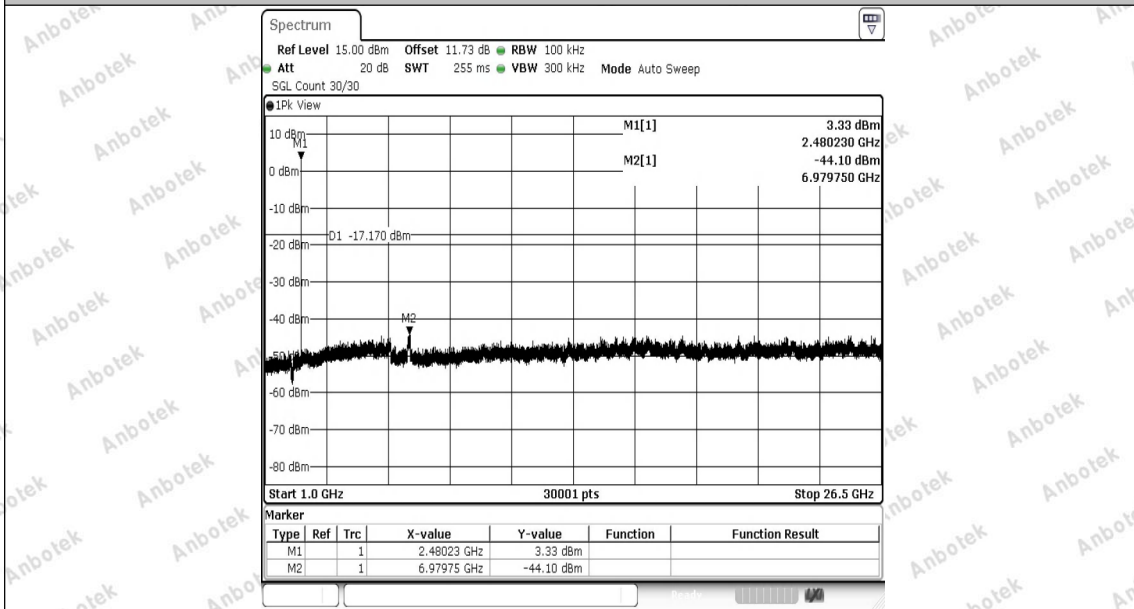


BLE_1M-Ant1-2480-0~Reference-PASS





BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS

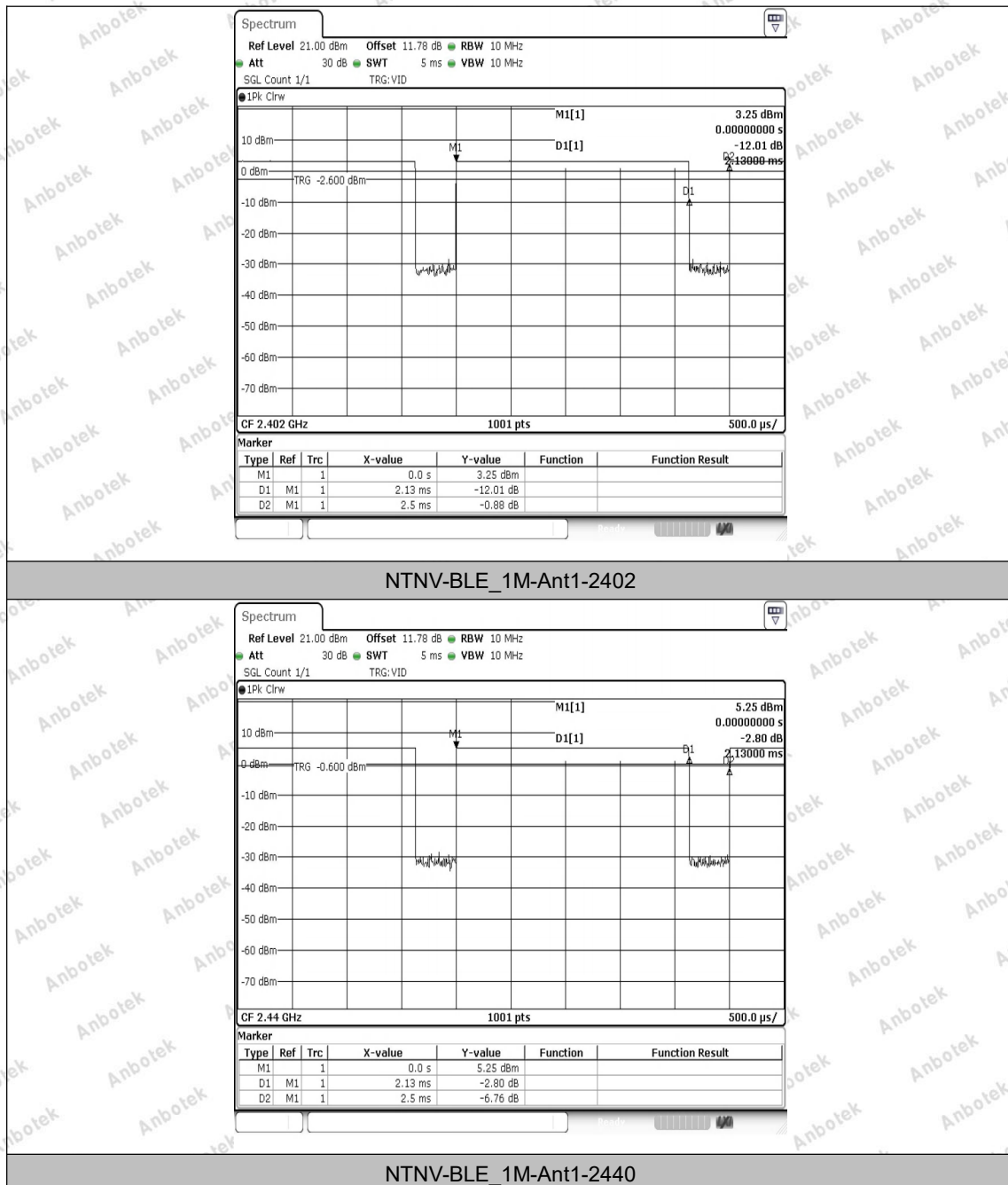


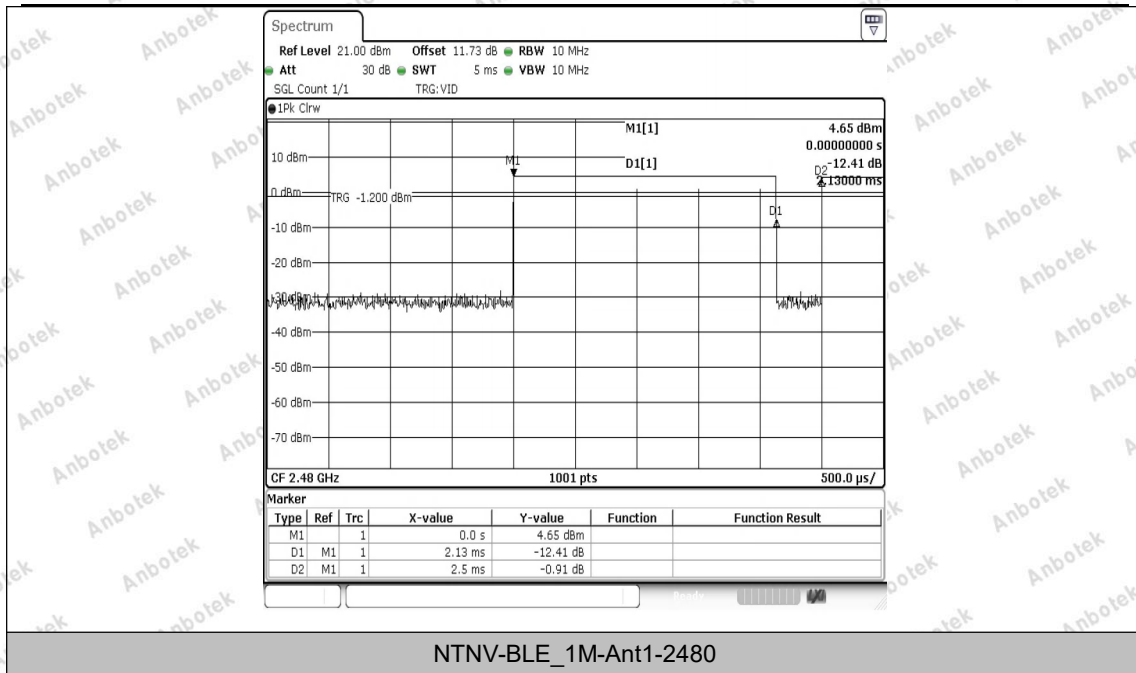
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2440	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2480	2.13	2.50	85.20	0.70

Test Graphs





---END---

