

Appendix Test Data

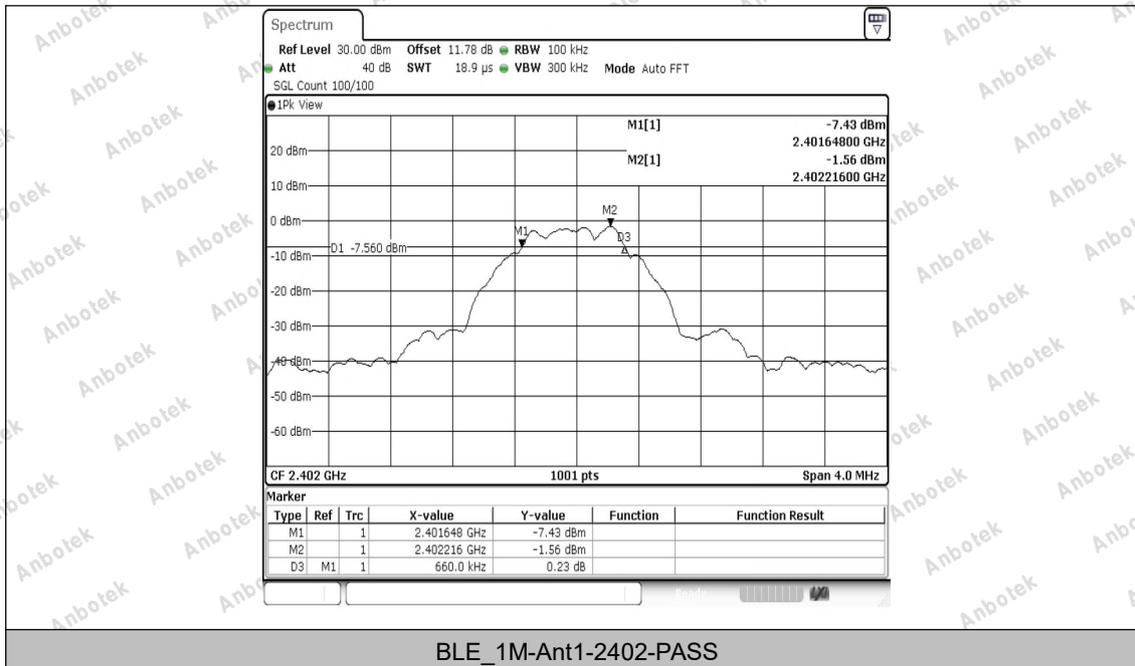
Report No:	1812C40065512501	Test Sample NO:	1-2-2
Start Test Date:	2024.9.10	Finish Test Date:	2024.9.10
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.1°C	Relative Humidity:	50%
Pressure:	101 kPa		

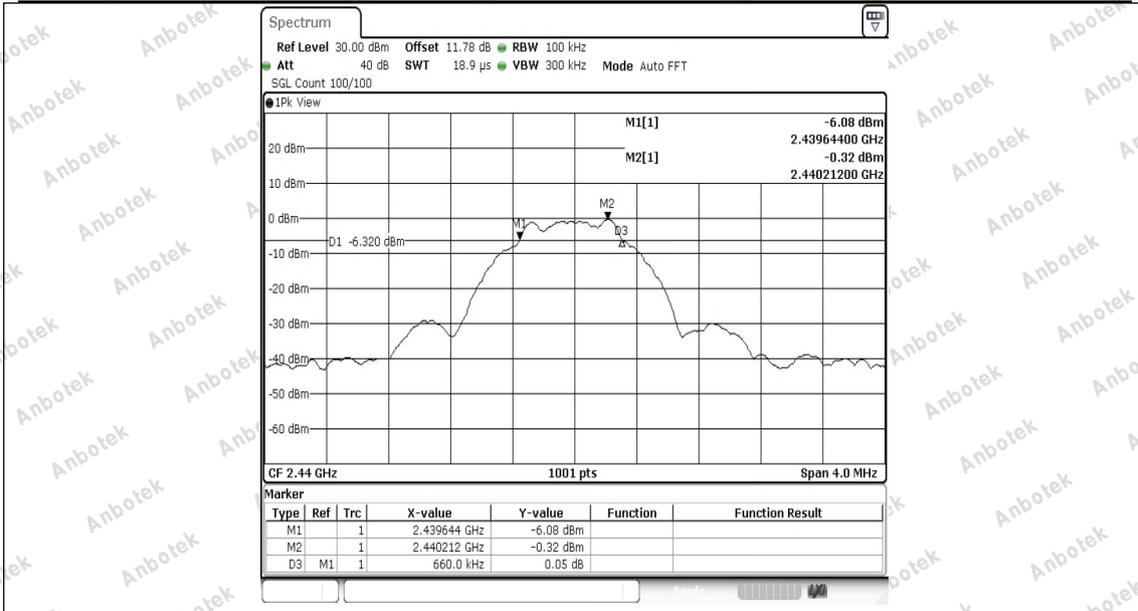
Appendix A: DTS Bandwidth

Test Result

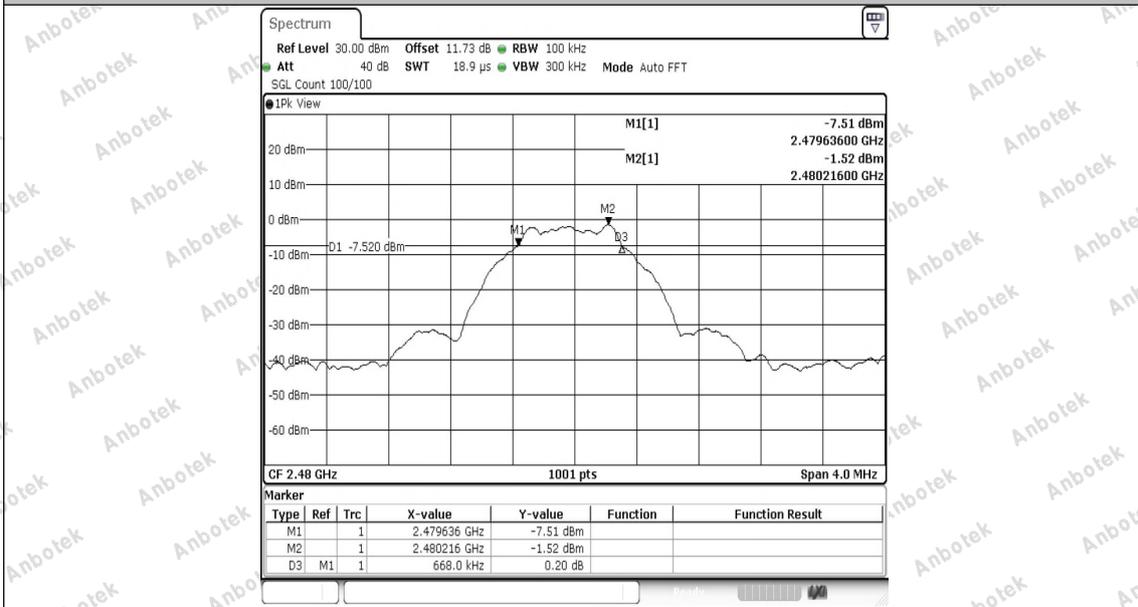
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.66	2401.65	2402.31	0.5	PASS
BLE_1M	Ant1	2440	0.66	2439.64	2440.30	0.5	PASS
BLE_1M	Ant1	2480	0.67	2479.64	2480.30	0.5	PASS

Test Graphs





BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

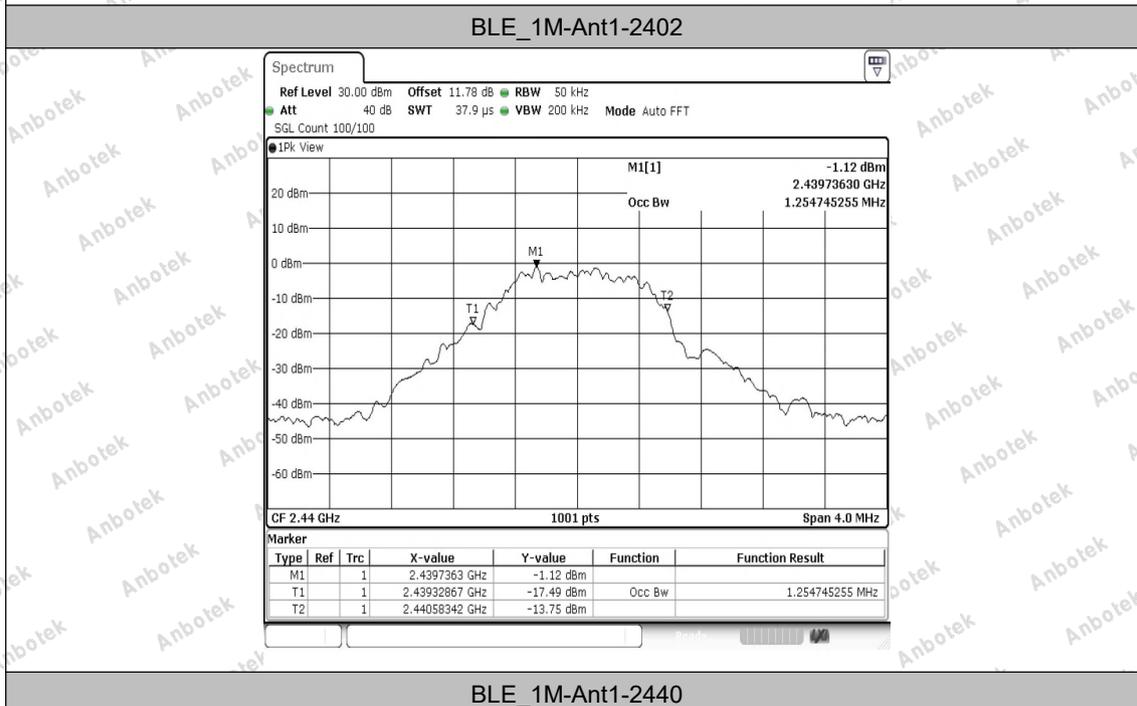
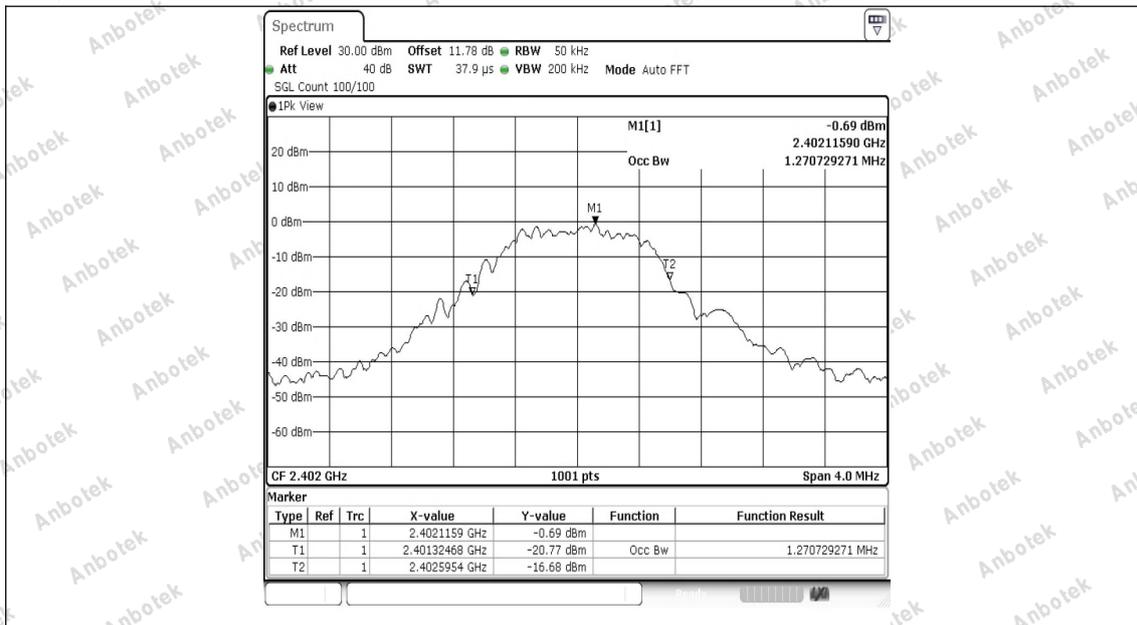


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.271	2401.3247	2402.5954	---	---
BLE_1M	Ant1	2440	1.255	2439.3287	2440.5834	---	---
BLE_1M	Ant1	2480	1.227	2479.3526	2480.5794	---	---

Test Graphs



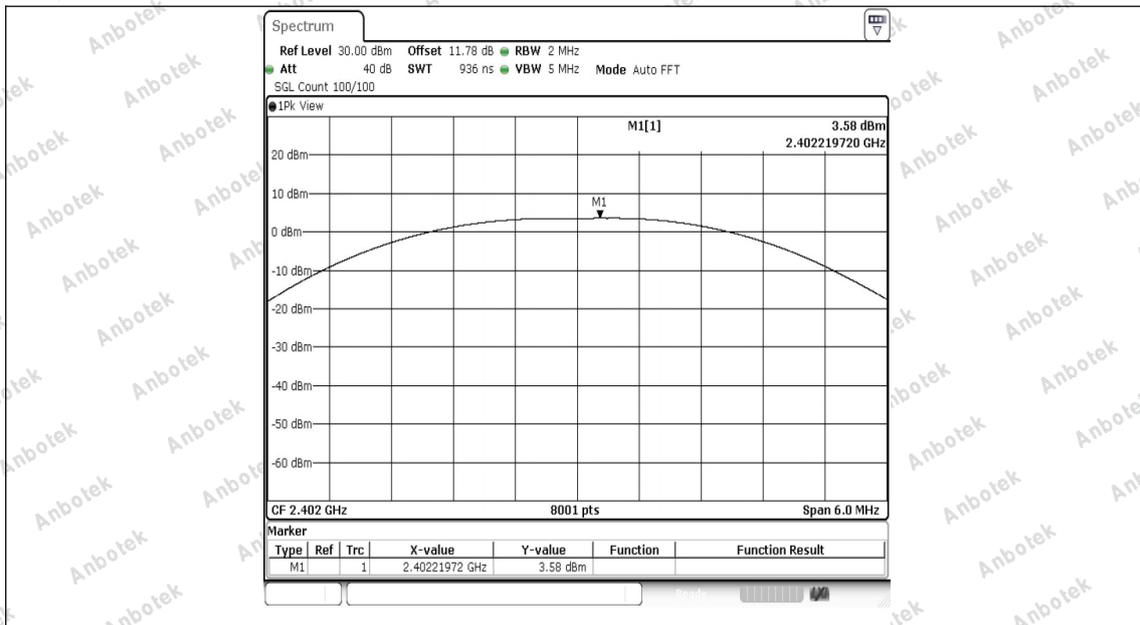


Appendix C: Maximum conducted output power

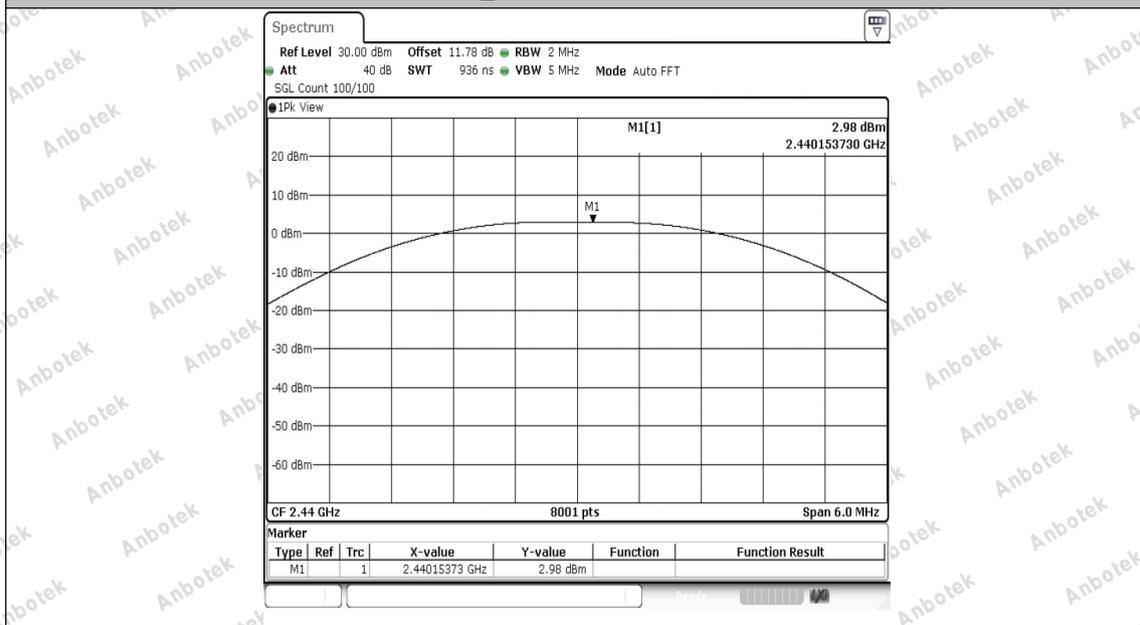
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.58	≤30	PASS
BLE_1M	Ant1	2440	2.98	≤30	PASS
BLE_1M	Ant1	2480	2.15	≤30	PASS

Test Graphs Peak

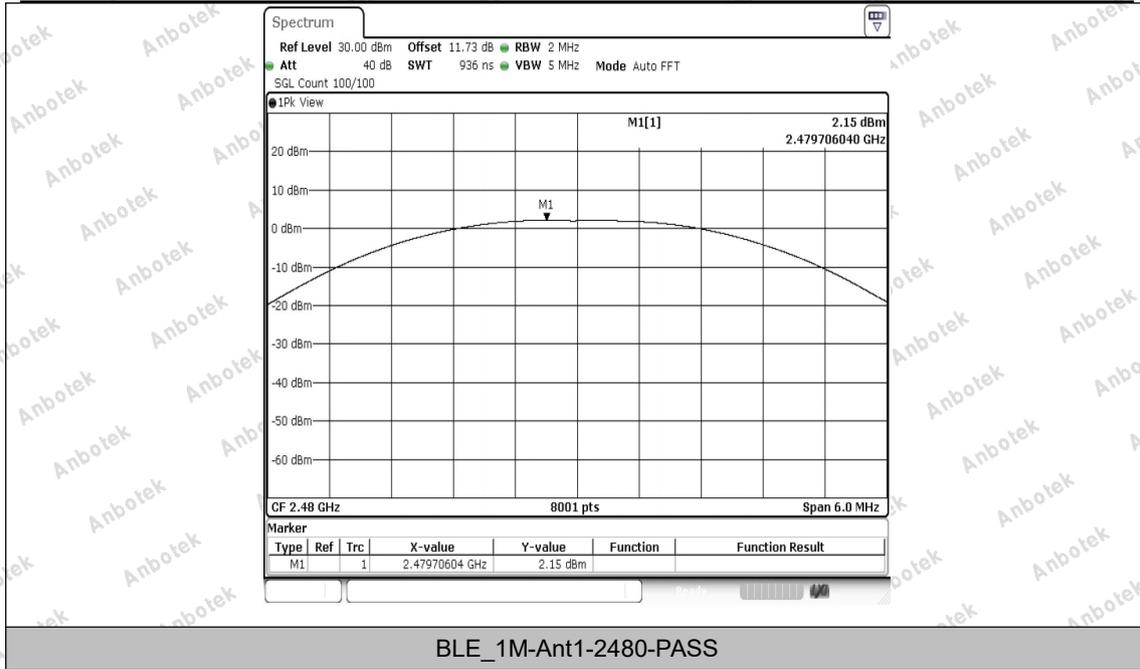


BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS





Shenzhen Anbotek Compliance Laboratory Limited

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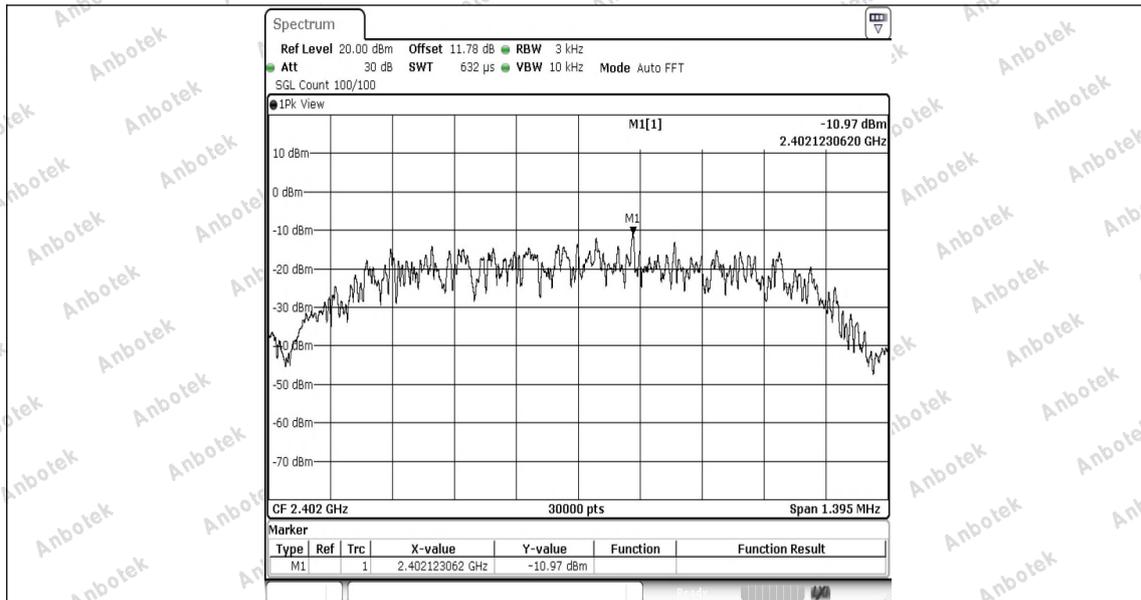


Appendix D: Maximum power spectral density

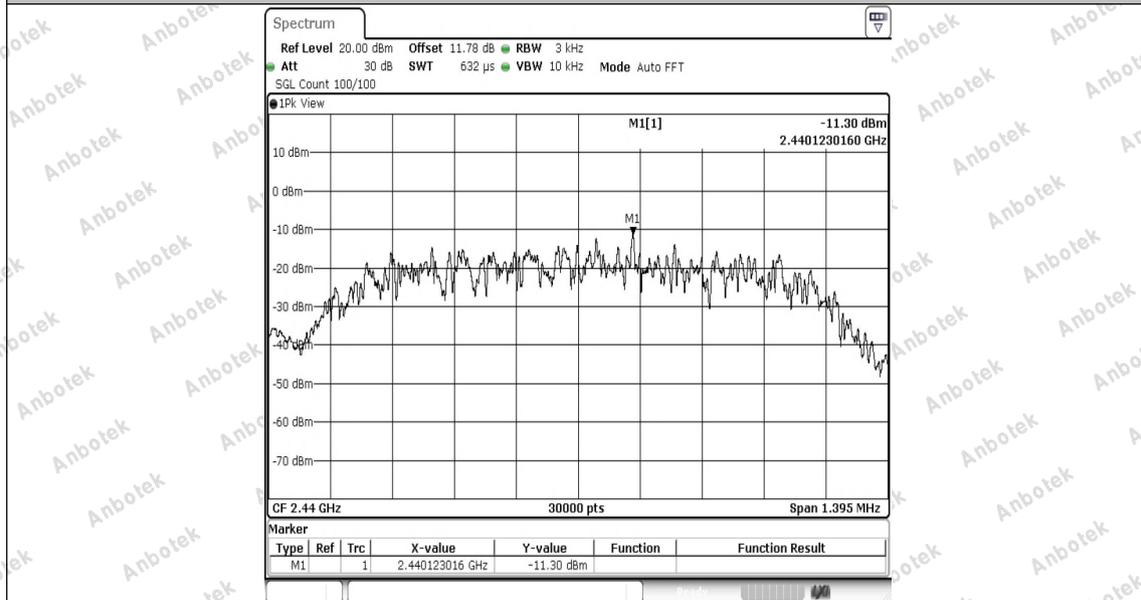
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.97	≤8.00	PASS
BLE_1M	Ant1	2440	-11.30	≤8.00	PASS
BLE_1M	Ant1	2480	-12.41	≤8.00	PASS

Test Graphs

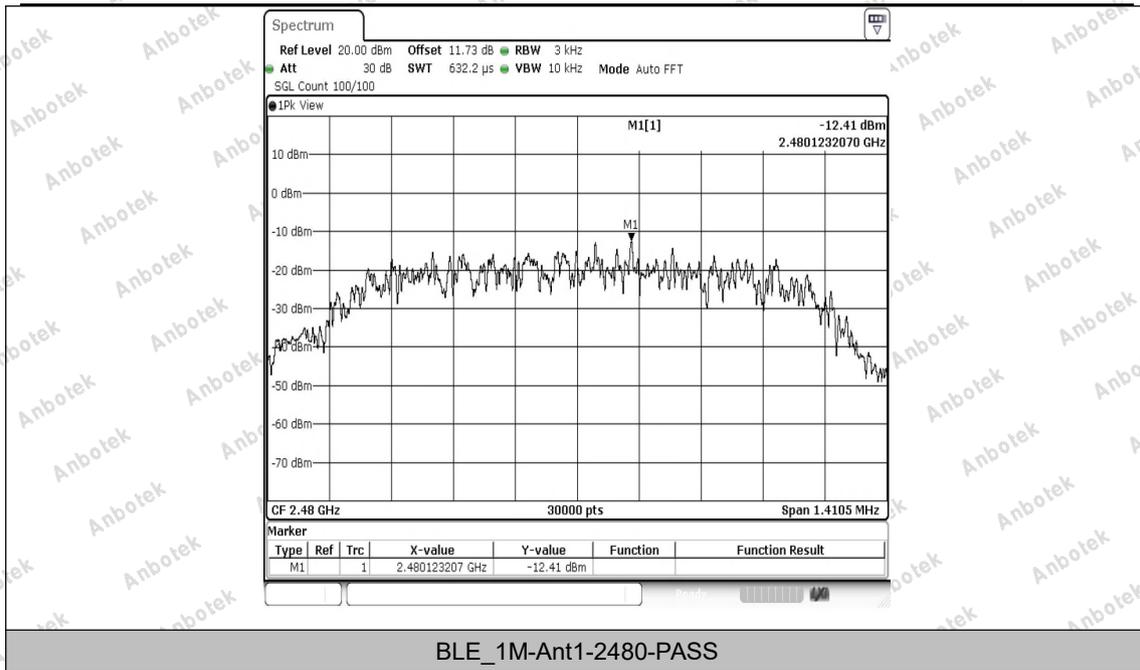


BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS





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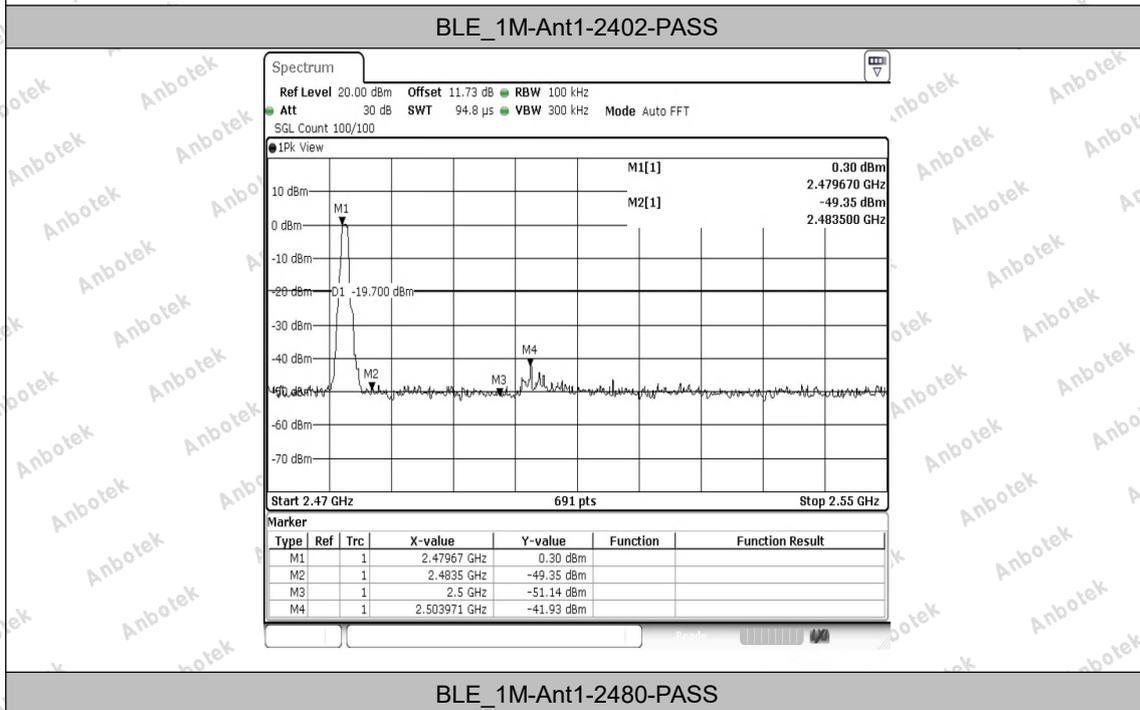
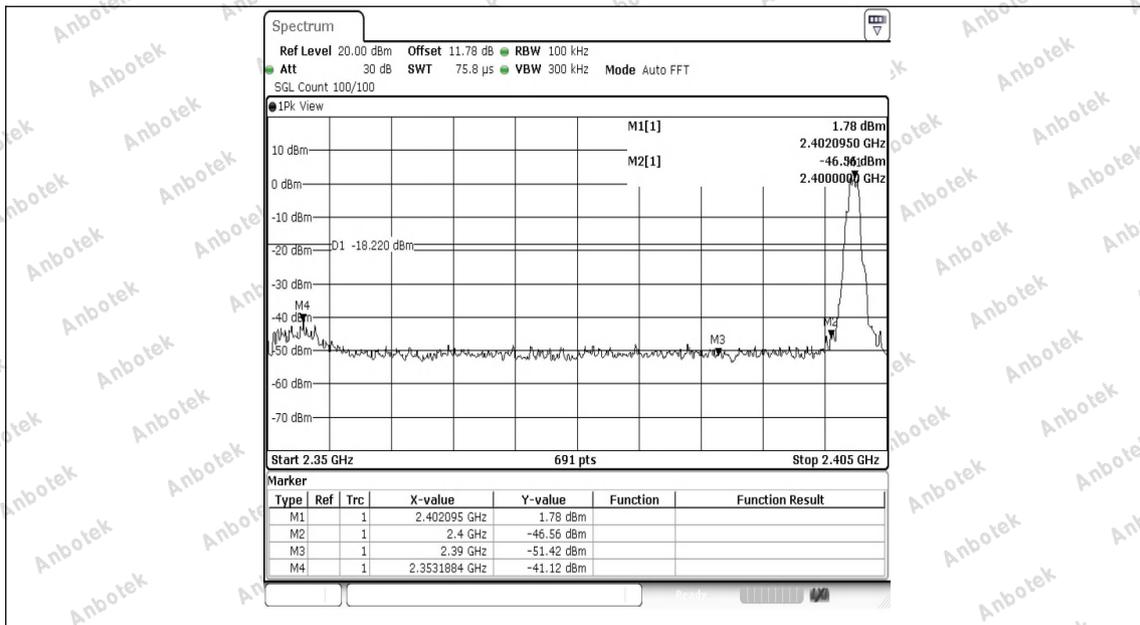


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.78	-41.12	≤-18.22	PASS
BLE_1M	Ant1	High	2480	0.30	-41.93	≤-19.7	PASS

Test Graphs

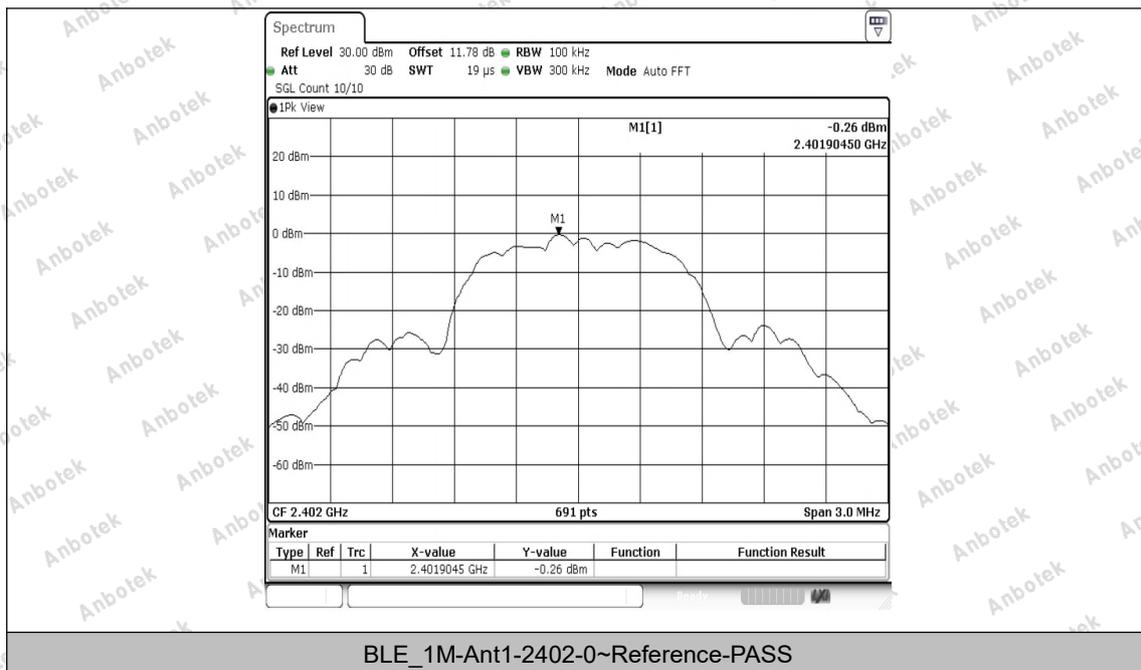


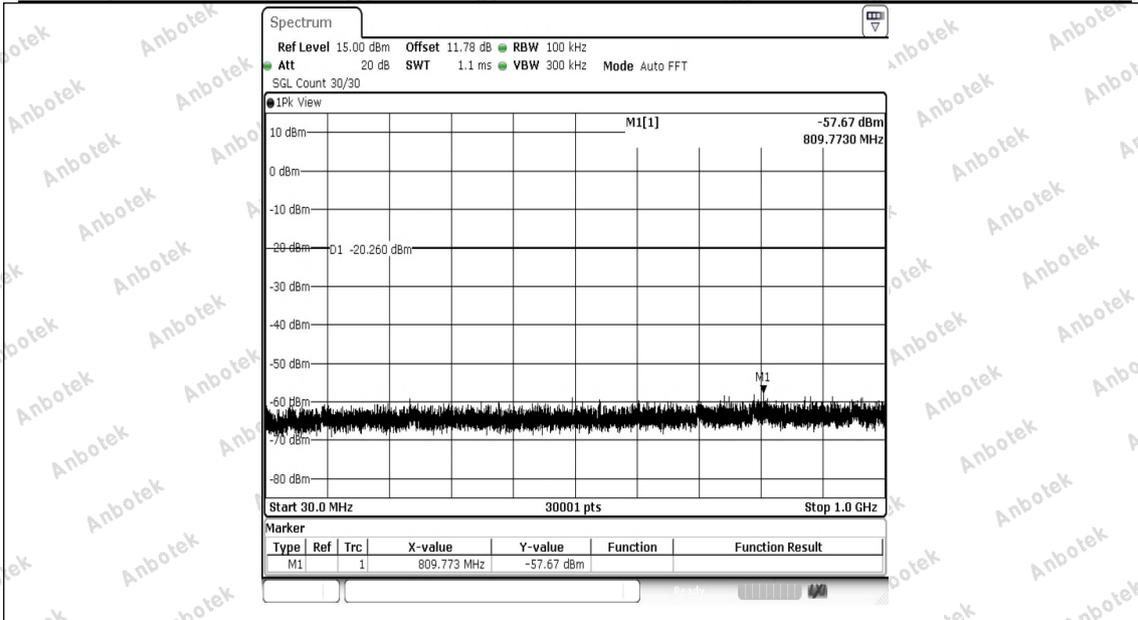
Appendix F: Conducted Spurious Emission

Test Result

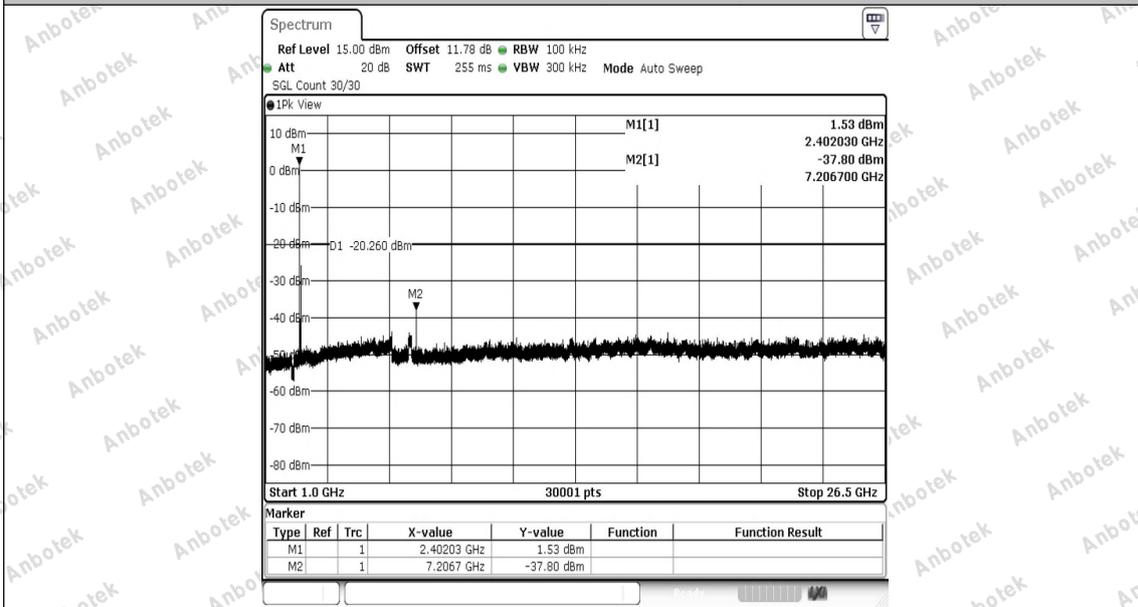
TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.26	-0.26	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.26	-57.67	≤-20.26	PASS
BLE_1M	Ant1	2402	1000~26500	-0.26	-37.8	≤-20.26	PASS
BLE_1M	Ant1	2440	0~Reference	0.32	0.32	---	PASS
BLE_1M	Ant1	2440	30~1000	0.32	-56.96	≤-19.68	PASS
BLE_1M	Ant1	2440	1000~26500	0.32	-39.59	≤-19.68	PASS
BLE_1M	Ant1	2480	0~Reference	-1.76	-1.76	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.76	-57.45	≤-21.76	PASS
BLE_1M	Ant1	2480	1000~26500	-1.76	-43.48	≤-21.76	PASS

Test Graphs



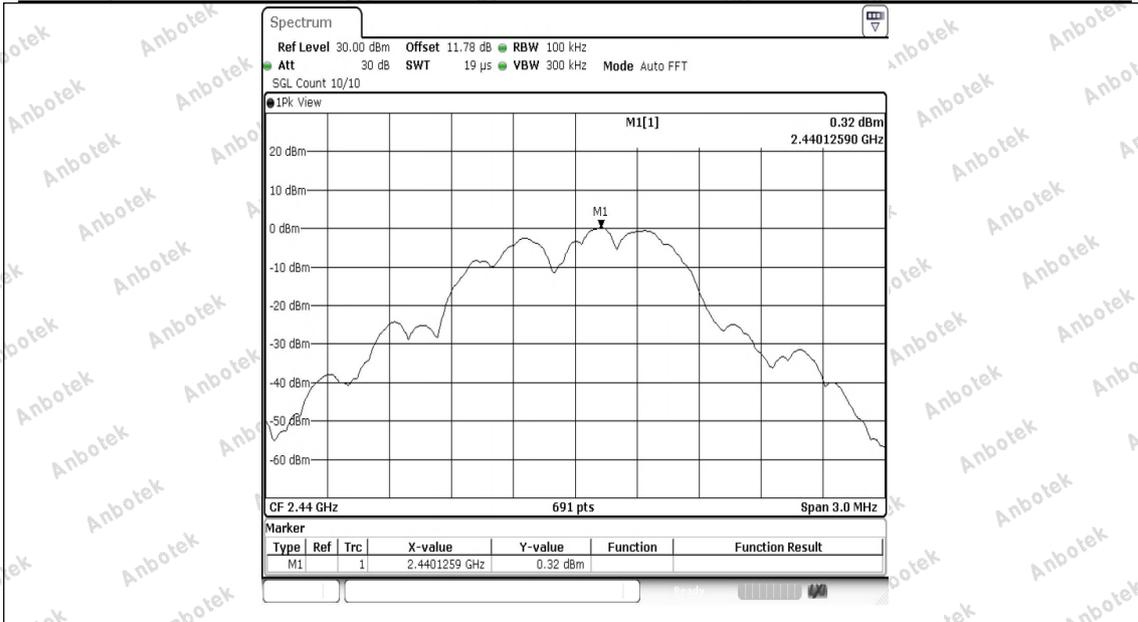


BLE_1M-Ant1-2402-30~1000-PASS

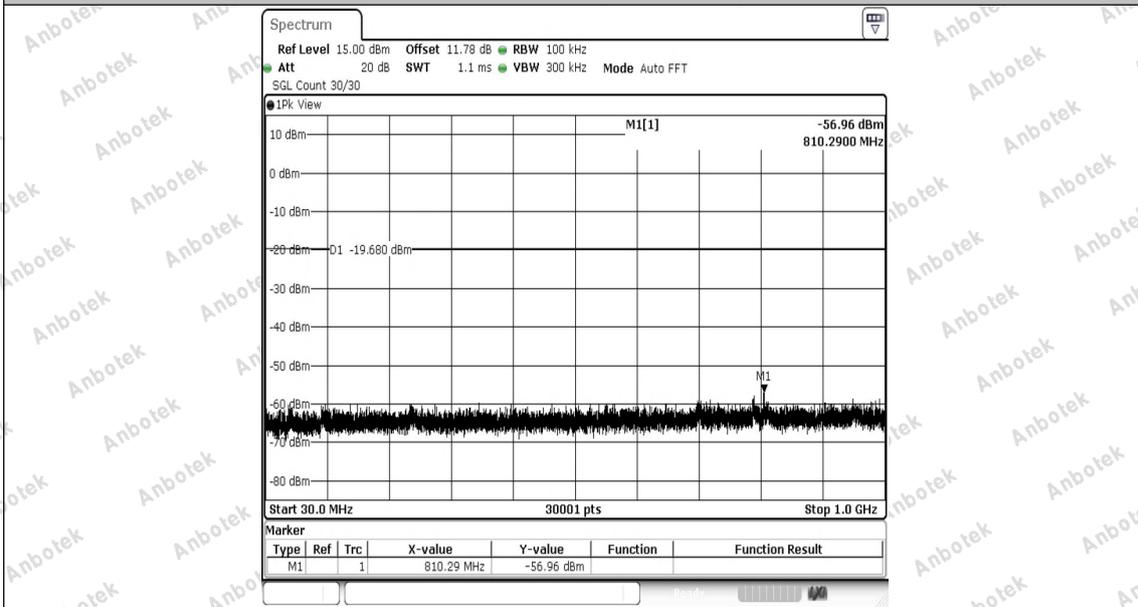


BLE_1M-Ant1-2402-1000~26500-PASS



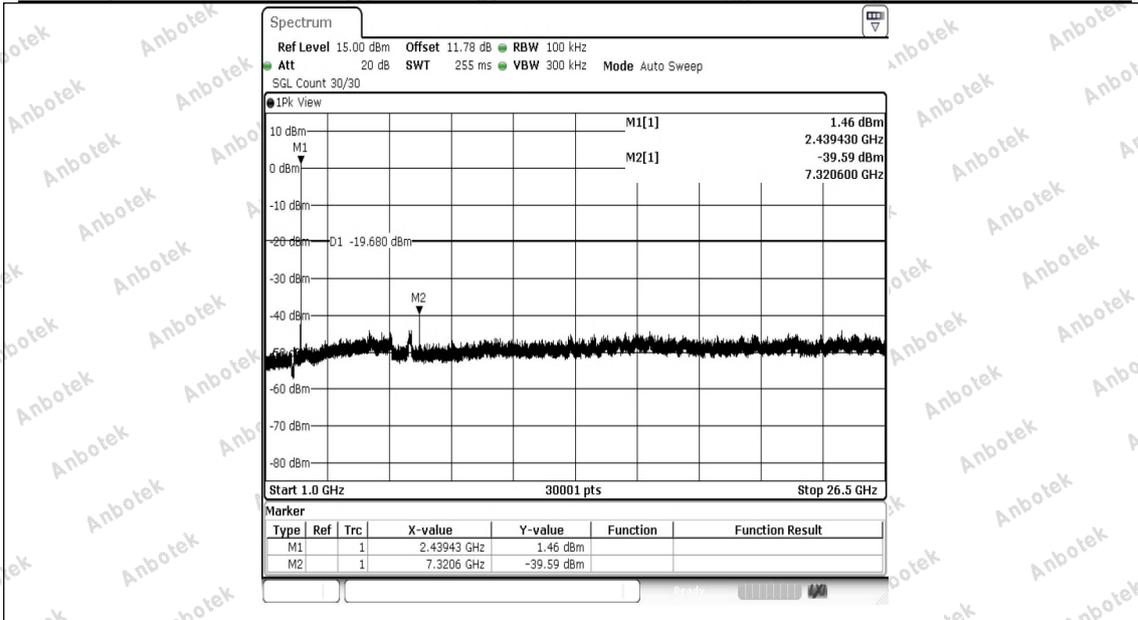


BLE_1M-Ant1-2440-0~Reference-PASS

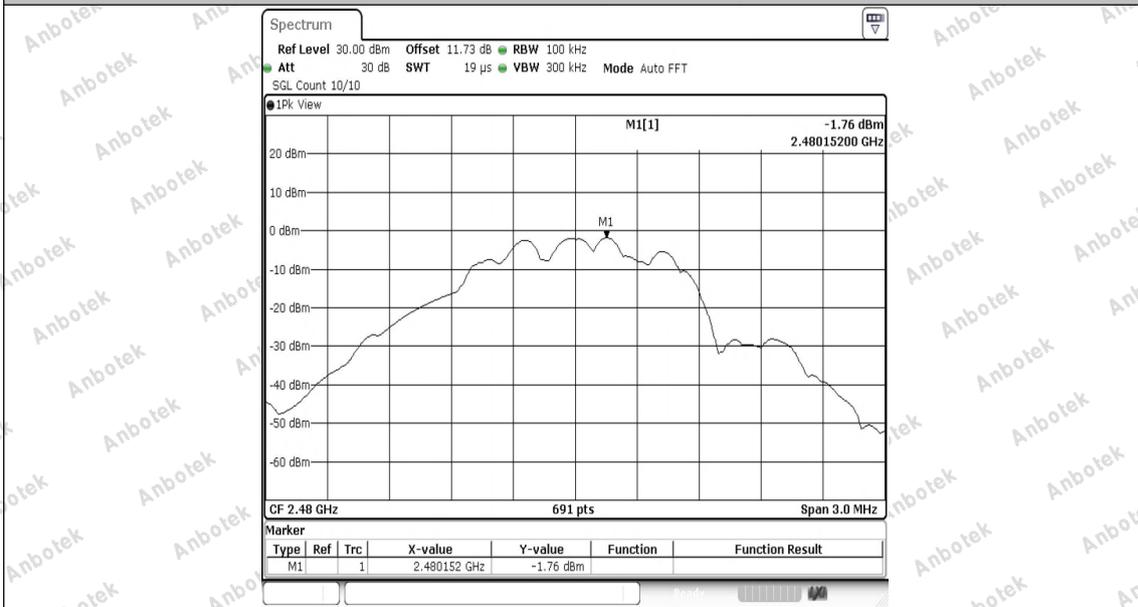


BLE_1M-Ant1-2440-30~1000-PASS



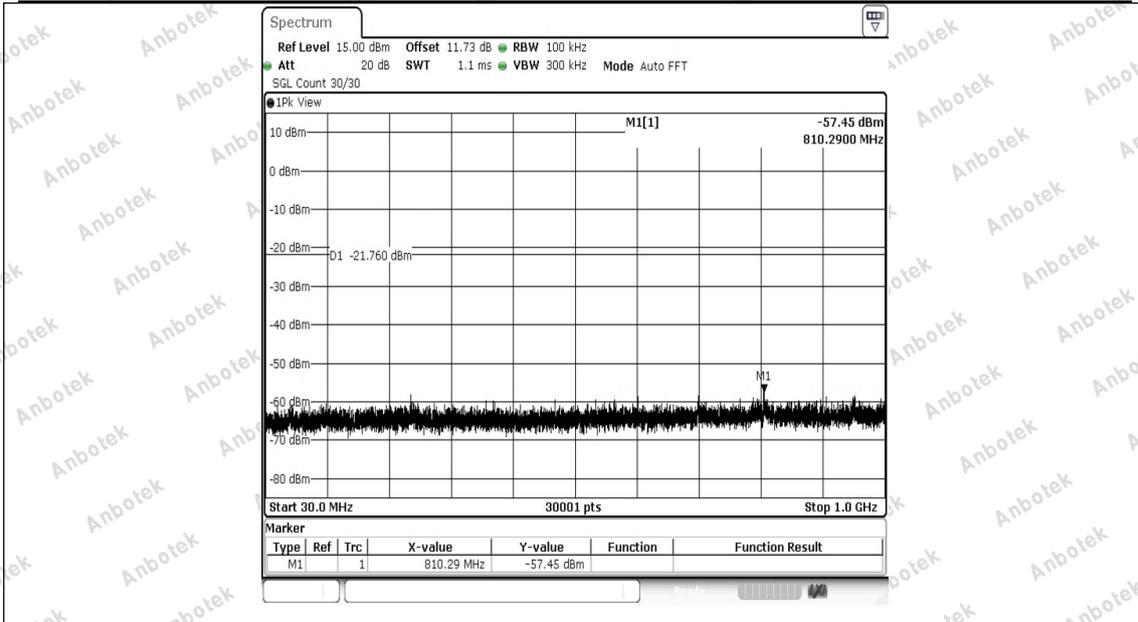


BLE_1M-Ant1-2440-1000~26500-PASS

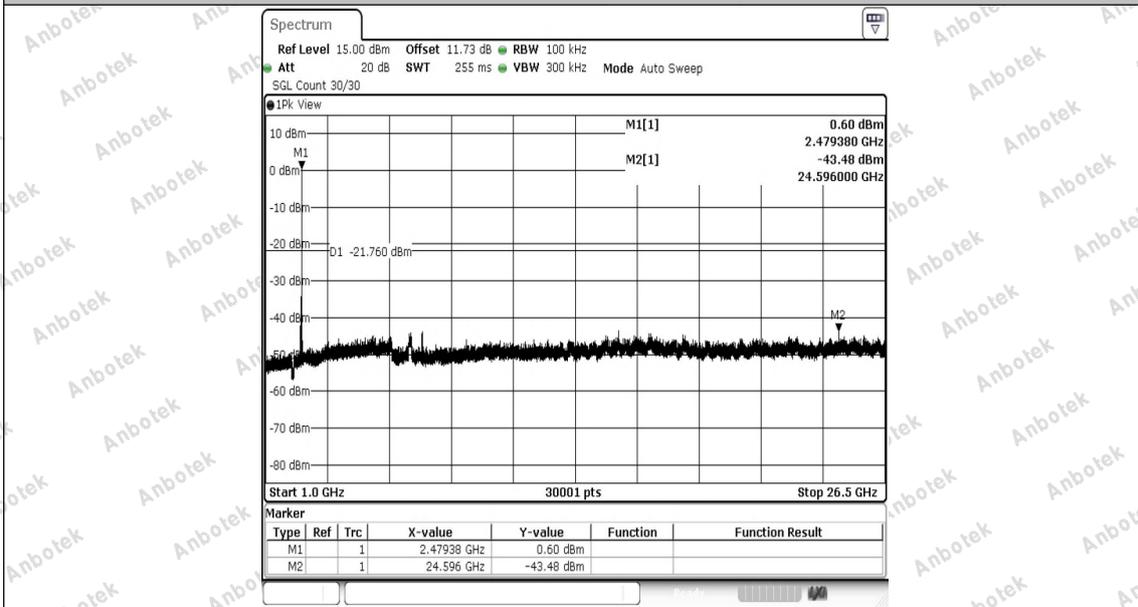


BLE_1M-Ant1-2480-0~Reference-PASS





BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS

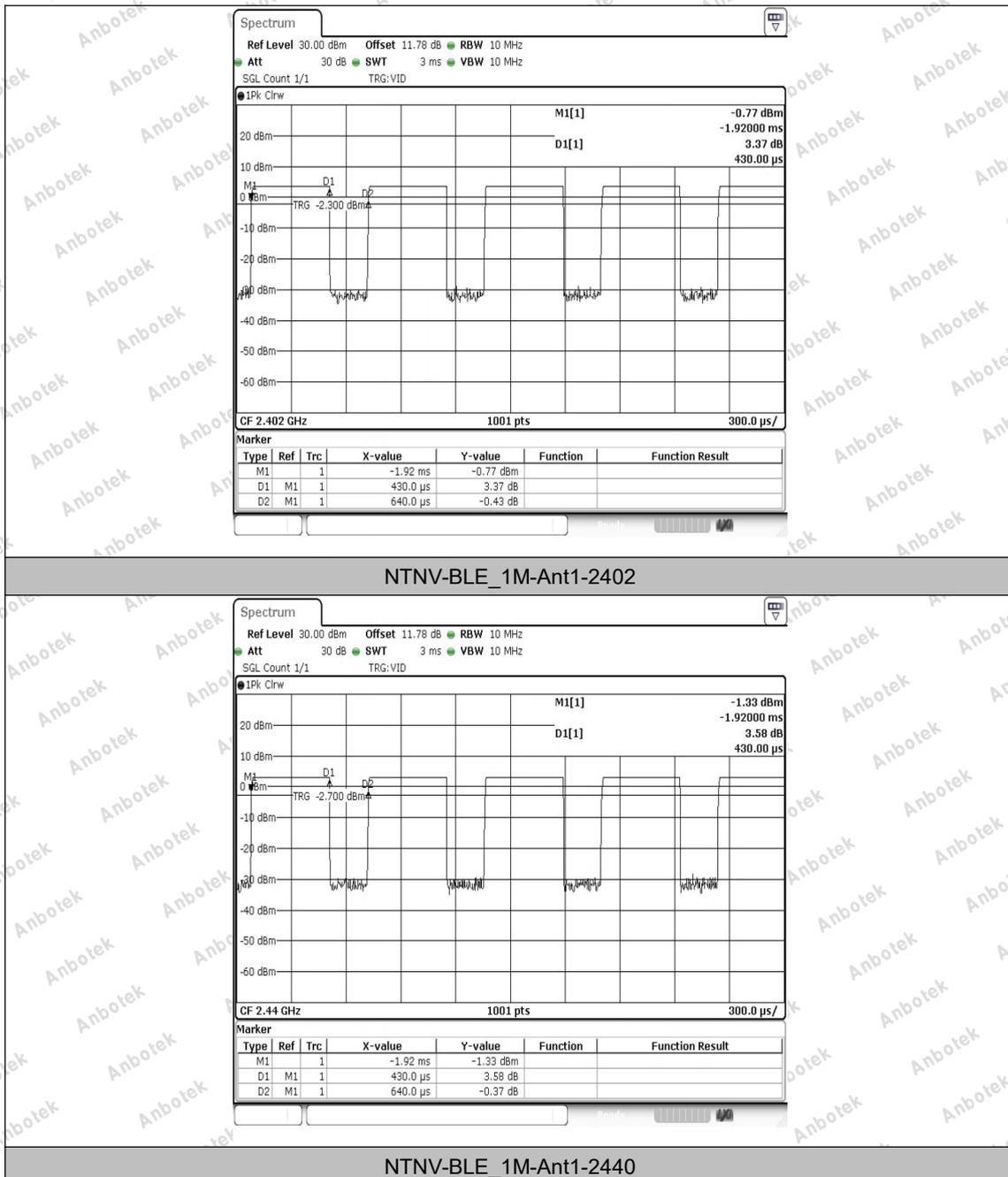


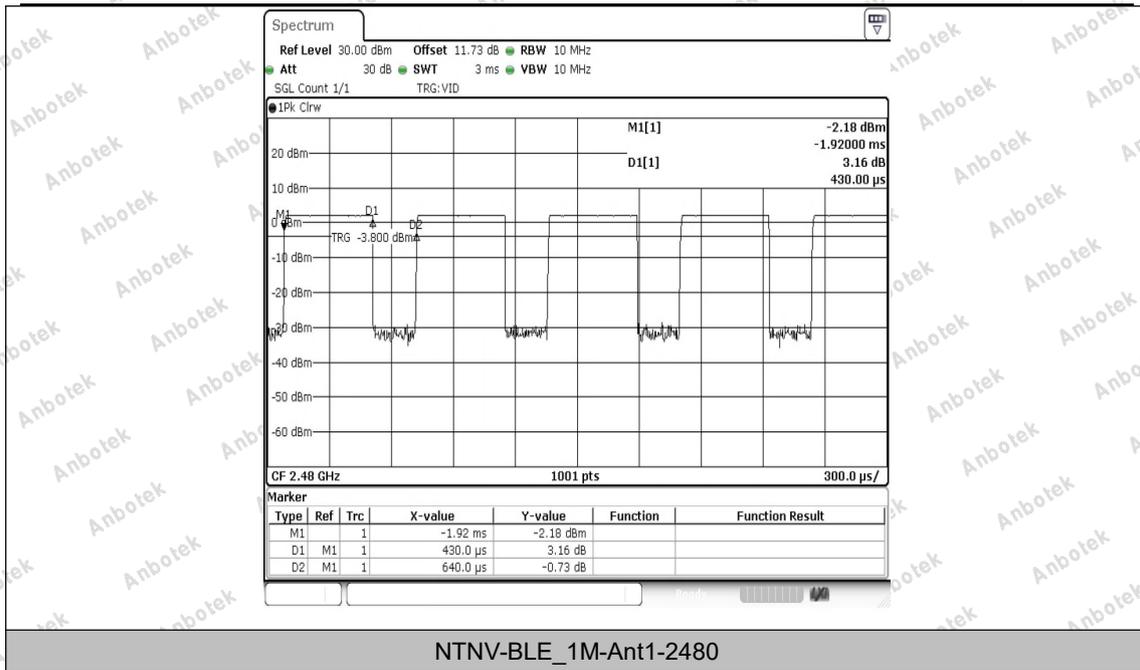
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.43	0.64	67.19	1.73
BLE_1M	Ant1	2440	0.43	0.64	67.19	1.73
BLE_1M	Ant1	2480	0.43	0.64	67.19	1.73

Test Graphs





---END---

