

Appendix Test Data

Report No.:	182514C400033101	Test Sample No.:	1-2-2
Start Test Date:	2024.5.31	Finish Test Date:	2024.6.17
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.3℃	Relative Humidity:	48%
Pressure:	101kPa		

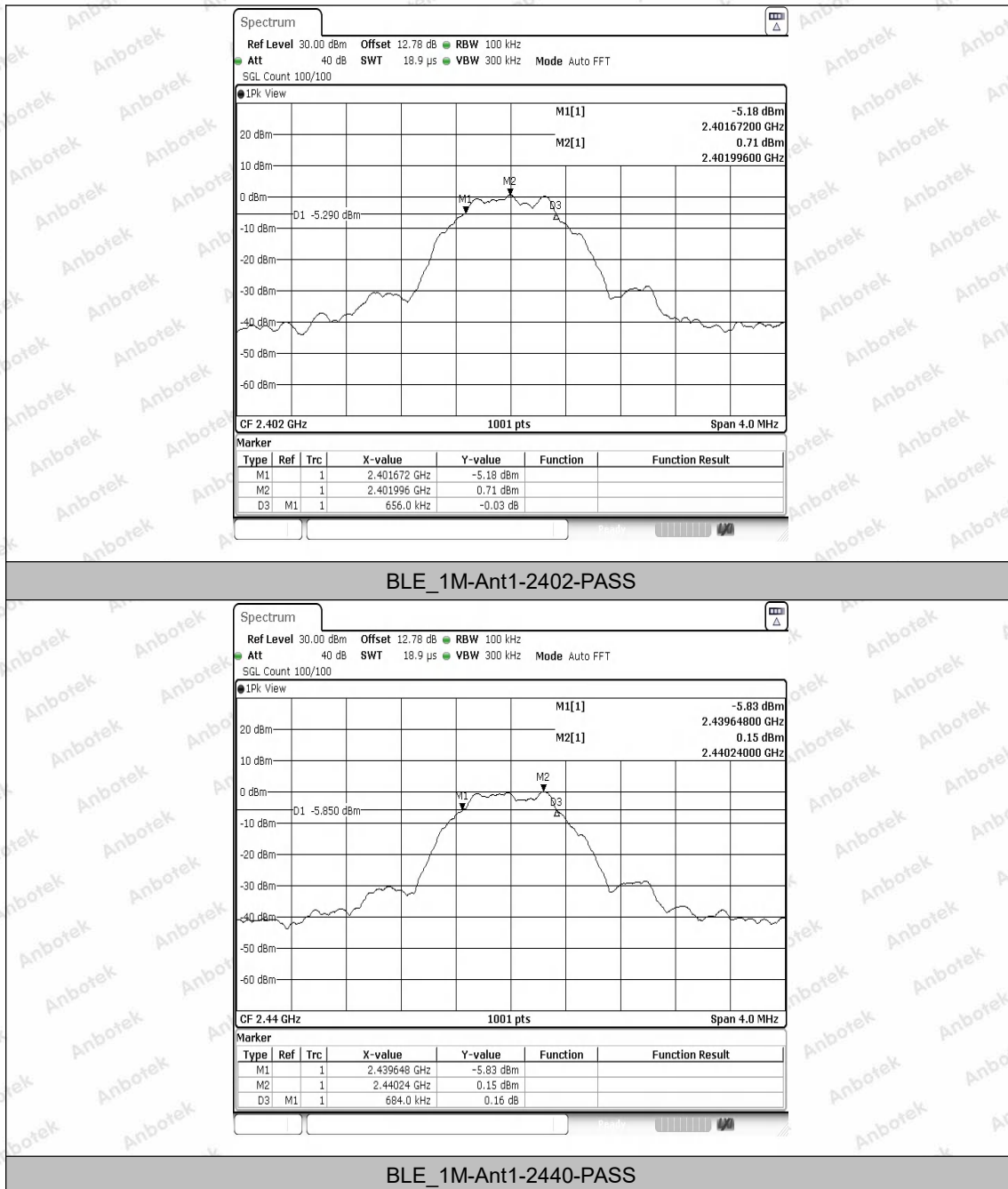
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.66	2401.67	2402.33	0.5	PASS
BLE_1M	Ant1	2440	0.68	2439.65	2440.33	0.5	PASS
BLE_1M	Ant1	2480	0.70	2479.63	2480.32	0.5	PASS



Test Graphs



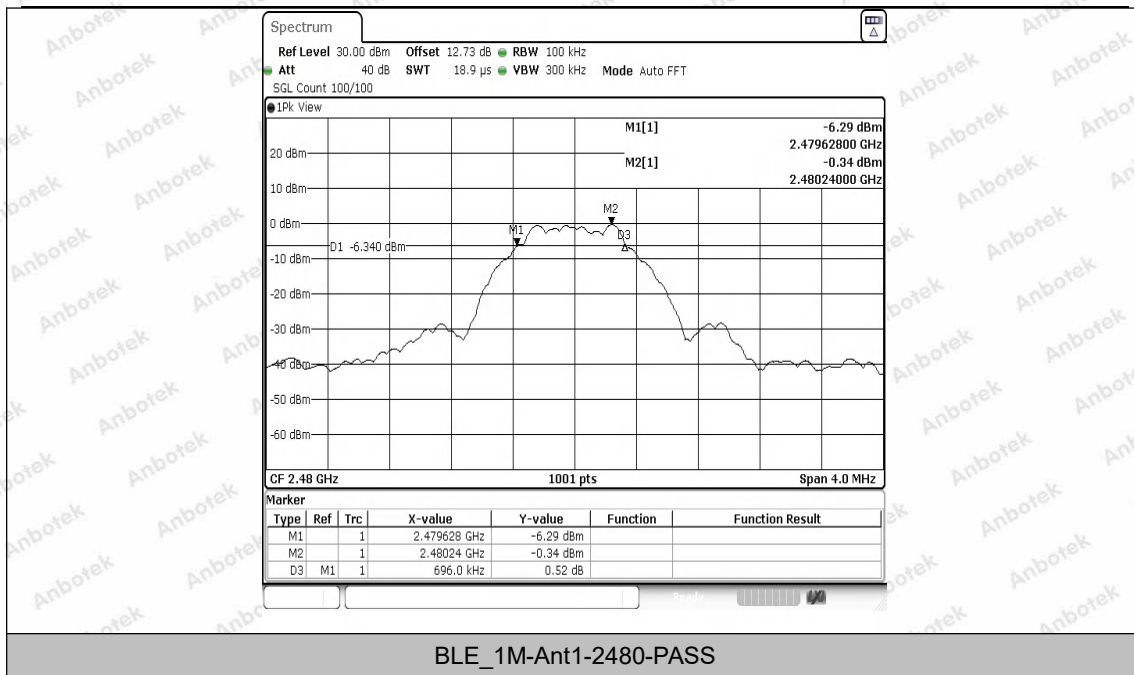
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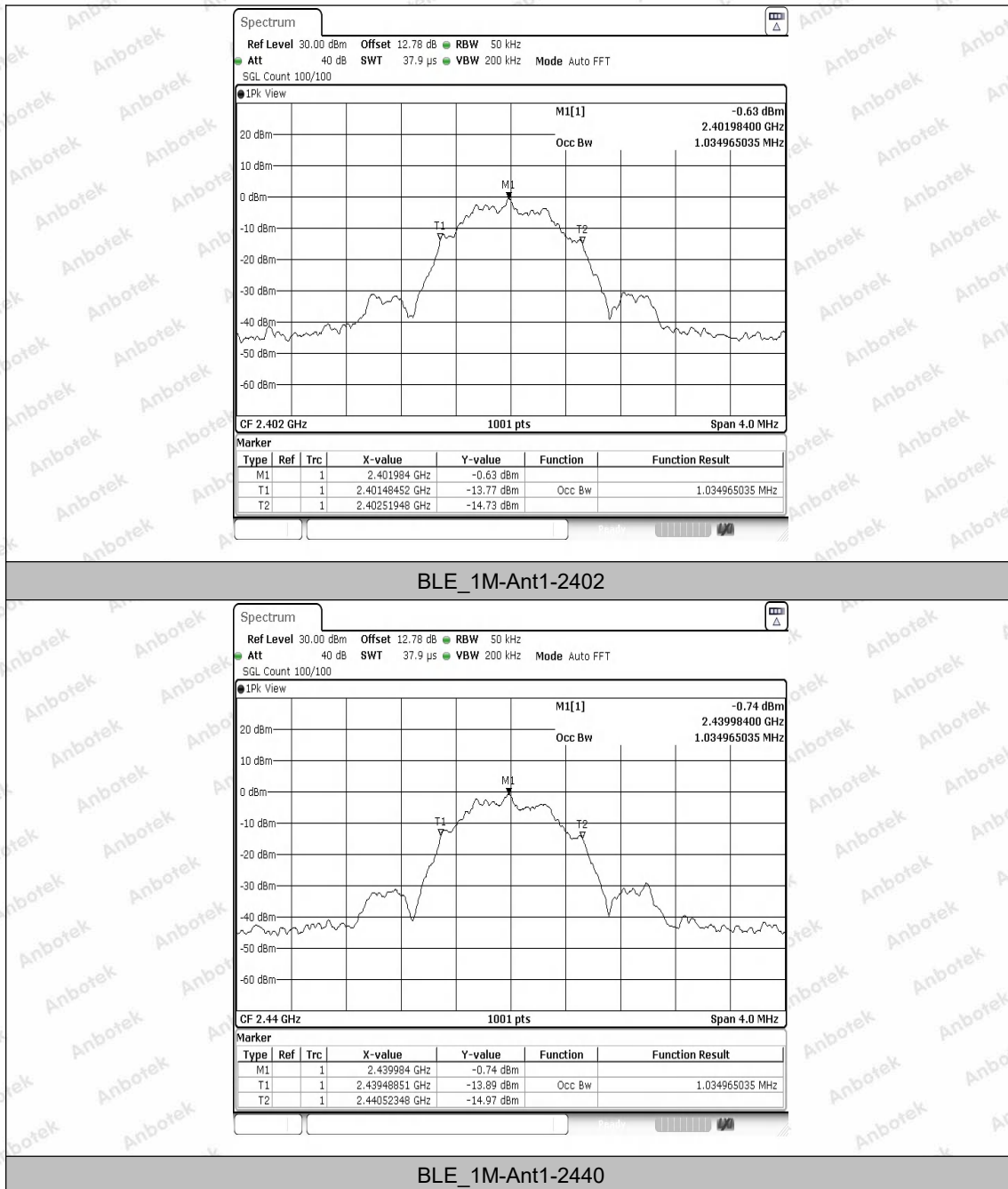
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.035	2401.4845	2402.5195	---	---
BLE_1M	Ant1	2440	1.035	2439.4885	2440.5235	---	---
BLE_1M	Ant1	2480	1.019	2479.4965	2480.5155	---	---



Test Graphs



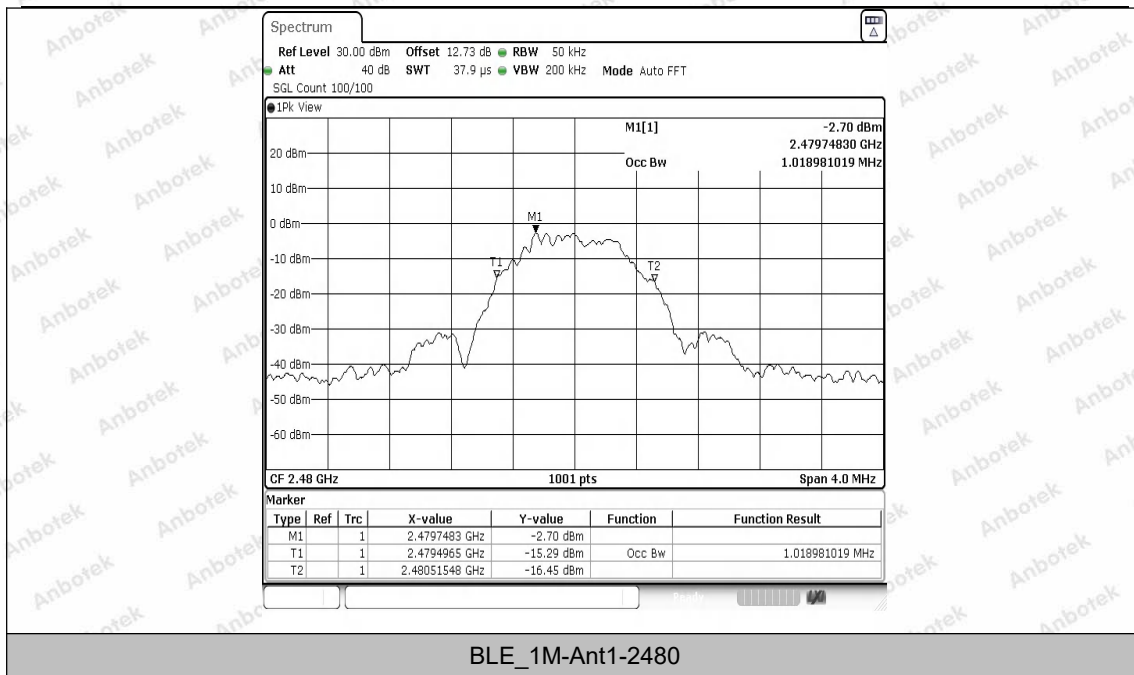
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Appendix C: Maximum output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.40	≤30	PASS
BLE_1M	Ant1	2440	1.25	≤30	PASS
BLE_1M	Ant1	2480	0.97	≤30	PASS

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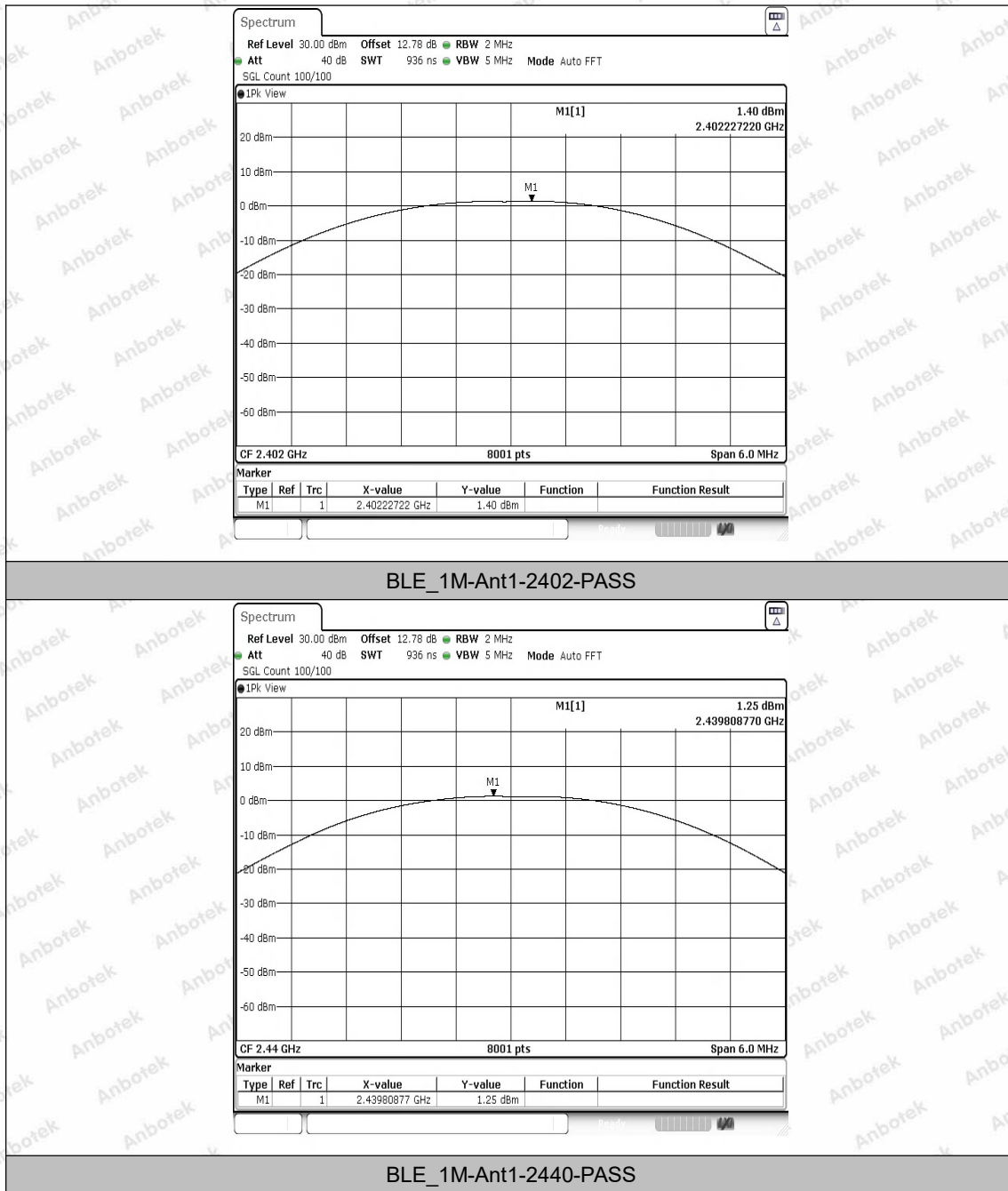
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Test Graphs Peak



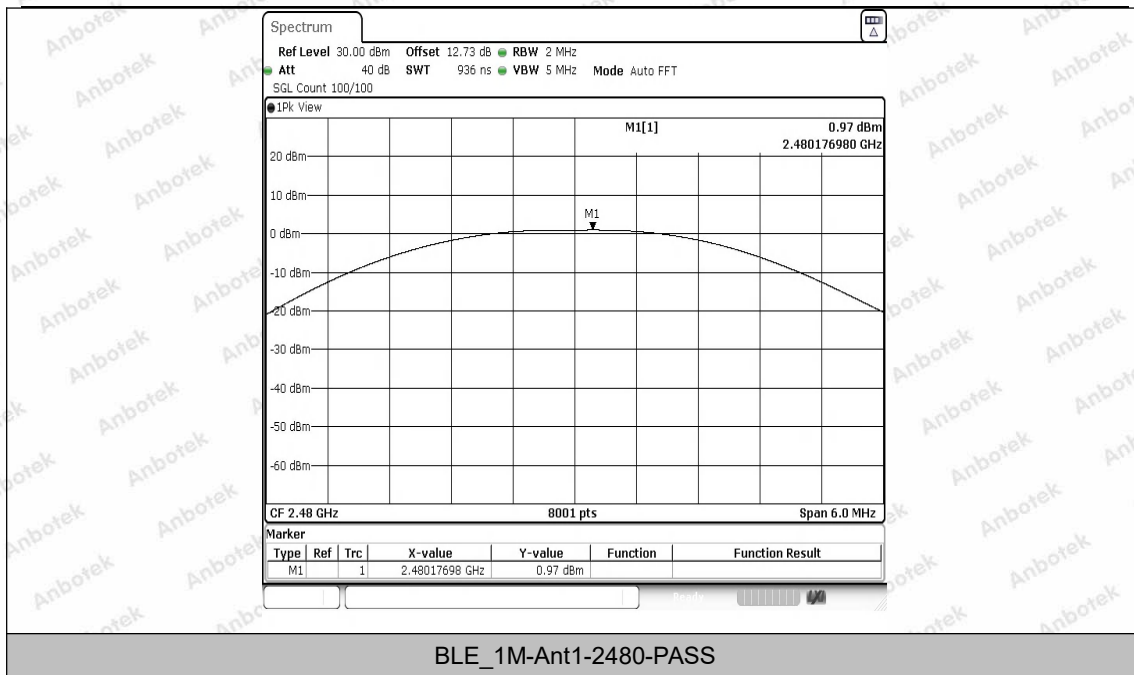
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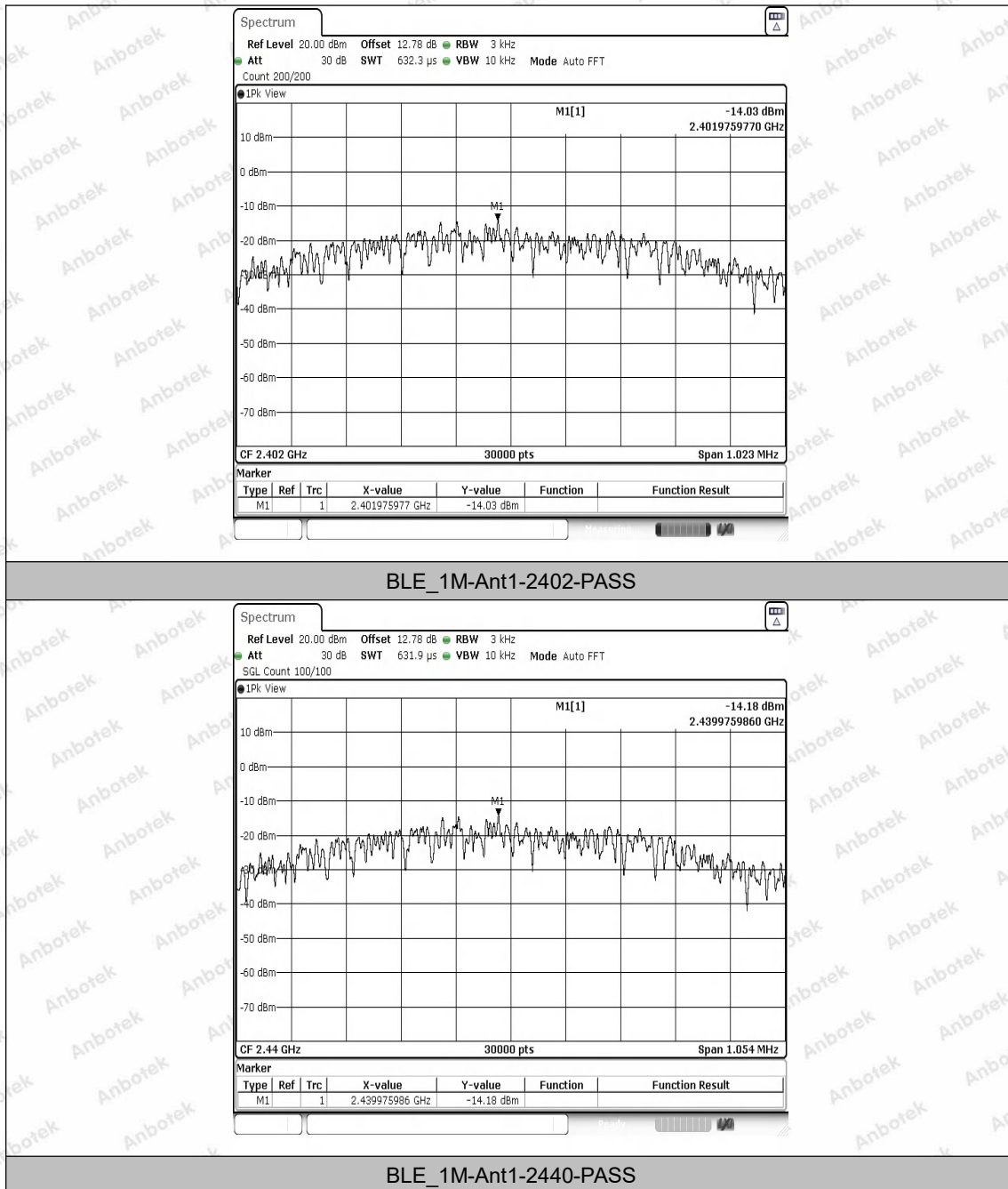
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.03	≤8.00	PASS
BLE_1M	Ant1	2440	-14.18	≤8.00	PASS
BLE_1M	Ant1	2480	-14.45	≤8.00	PASS



Test Graphs



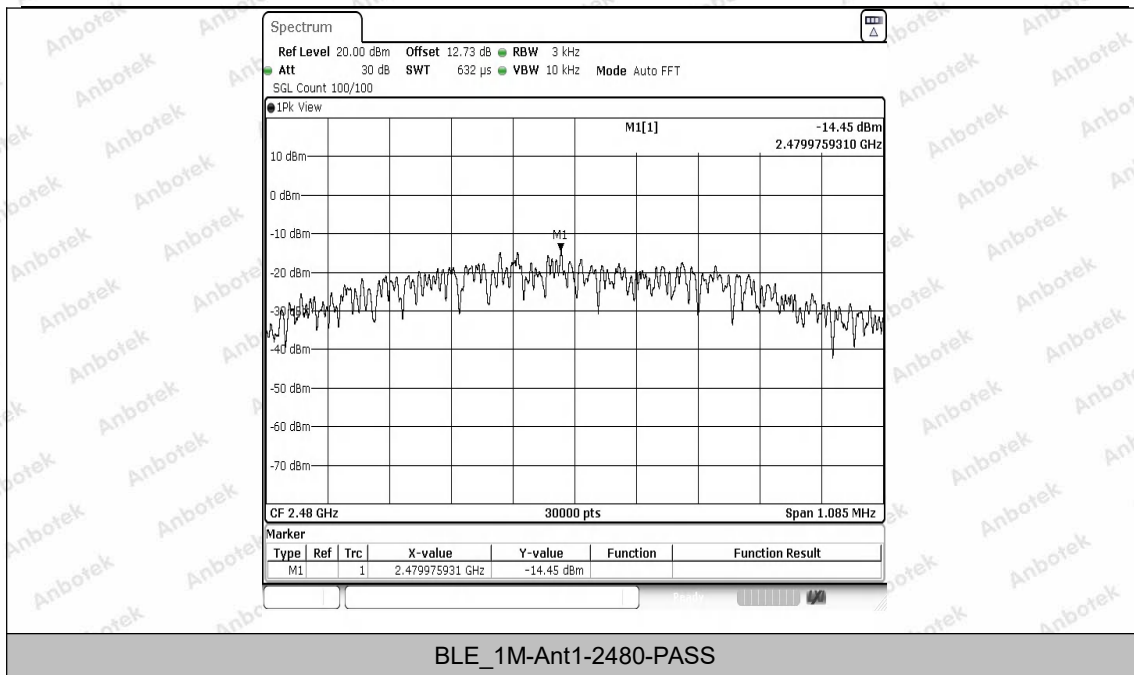
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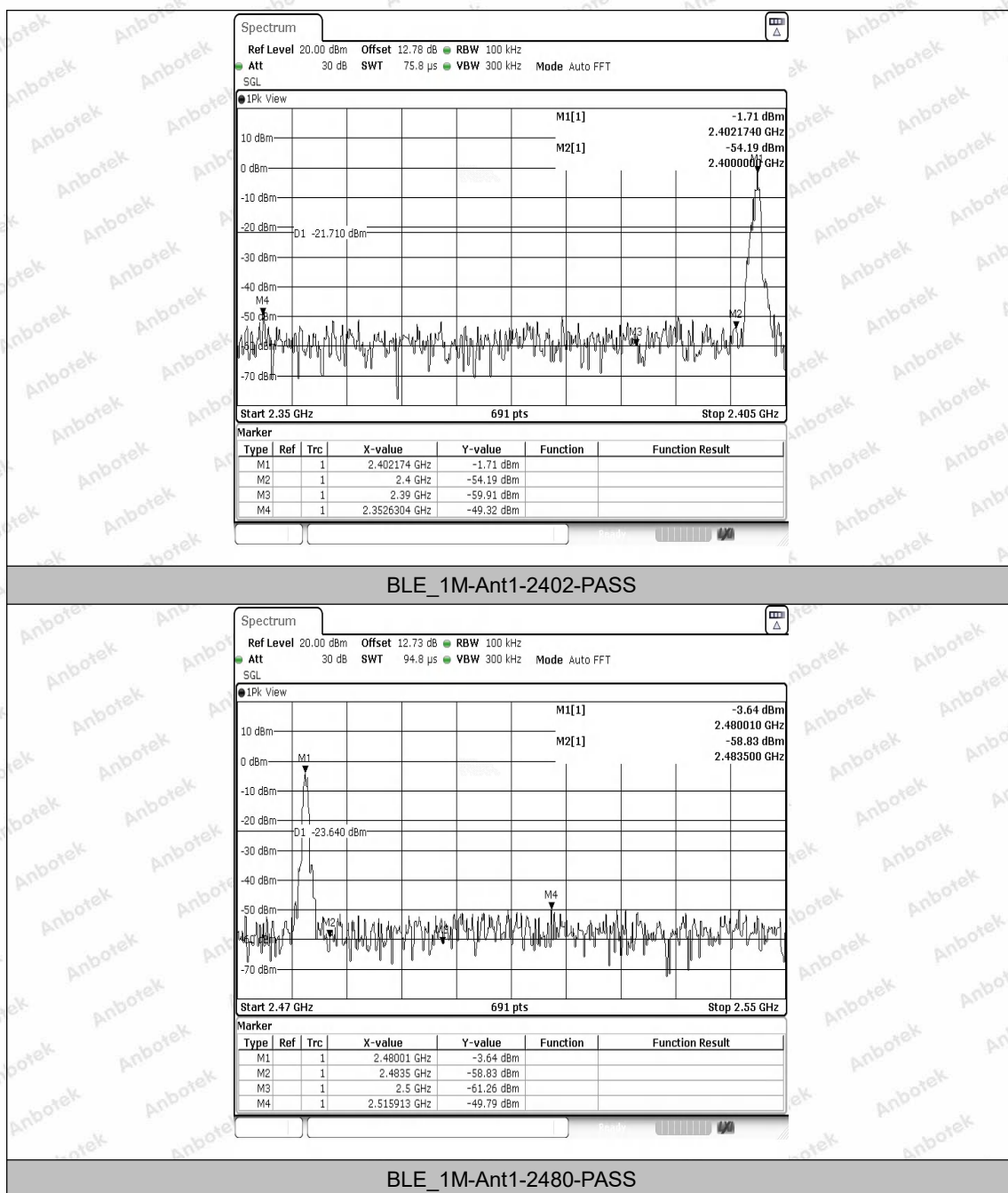


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.71	-49.32	≤-21.71	PASS
BLE_1M	Ant1	High	2480	-3.64	-49.79	≤-23.64	PASS

Test Graphs



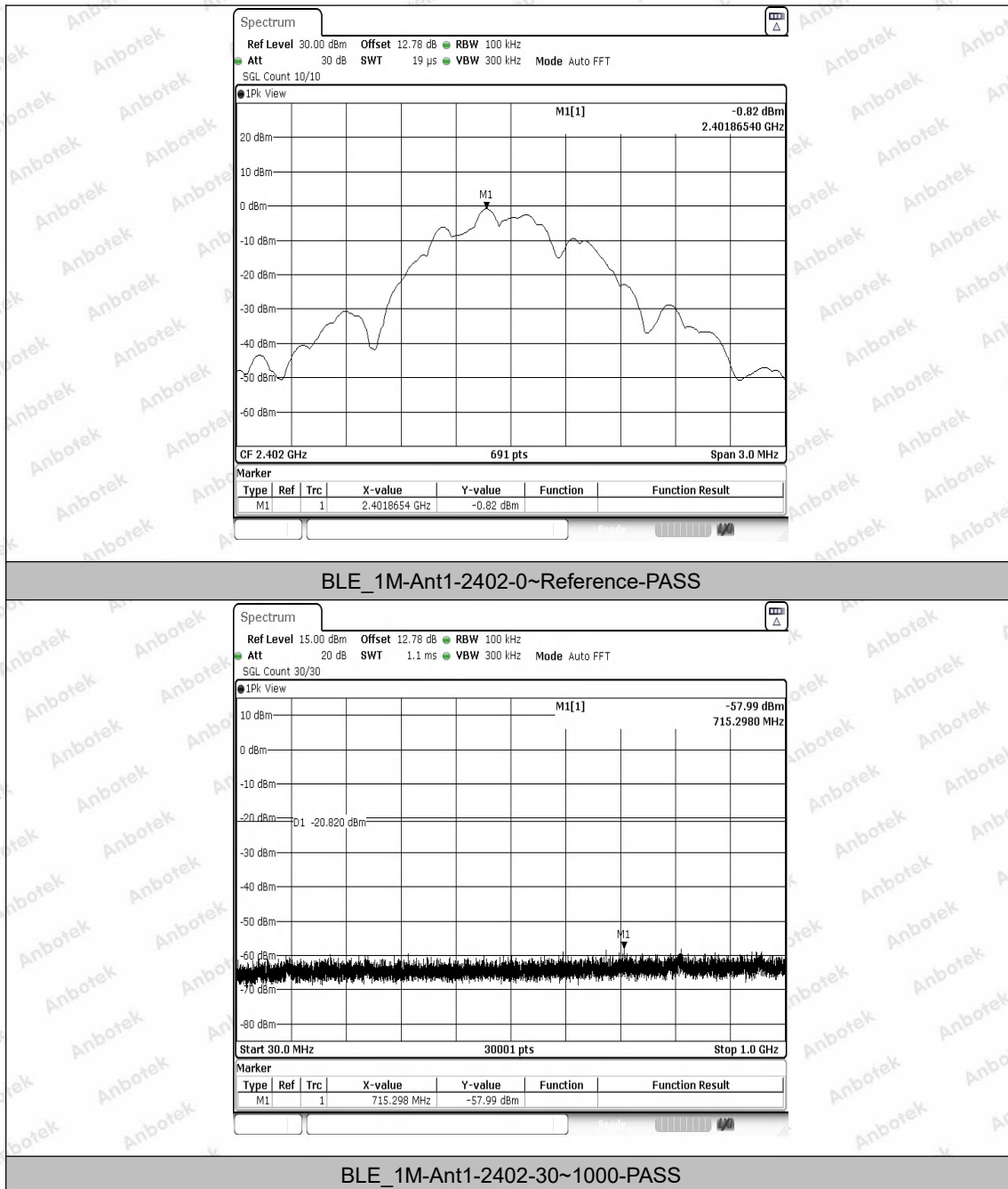
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.82	-0.82	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.82	-57.99	≤-20.82	PASS
BLE_1M	Ant1	2402	1000~26500	-0.82	-50.68	≤-20.82	PASS
BLE_1M	Ant1	2440	0~Reference	-1.42	-1.42	---	PASS
BLE_1M	Ant1	2440	30~1000	-1.42	-57.4	≤-21.42	PASS
BLE_1M	Ant1	2440	1000~26500	-1.42	-48.88	≤-21.42	PASS
BLE_1M	Ant1	2480	0~Reference	0.26	0.26	---	PASS
BLE_1M	Ant1	2480	30~1000	0.26	-57.85	≤-19.74	PASS
BLE_1M	Ant1	2480	1000~26500	0.26	-50.08	≤-19.74	PASS



Test Graphs



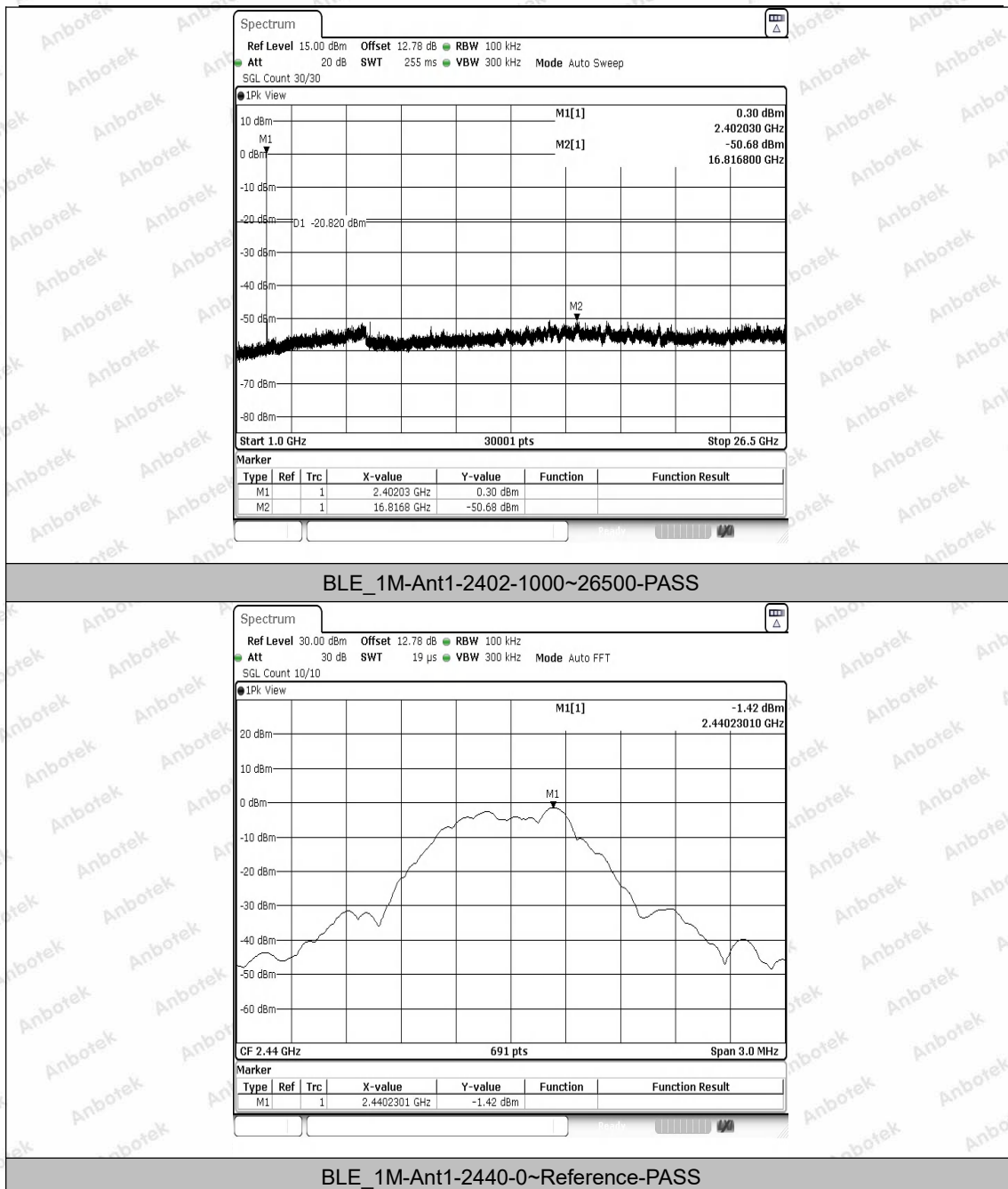
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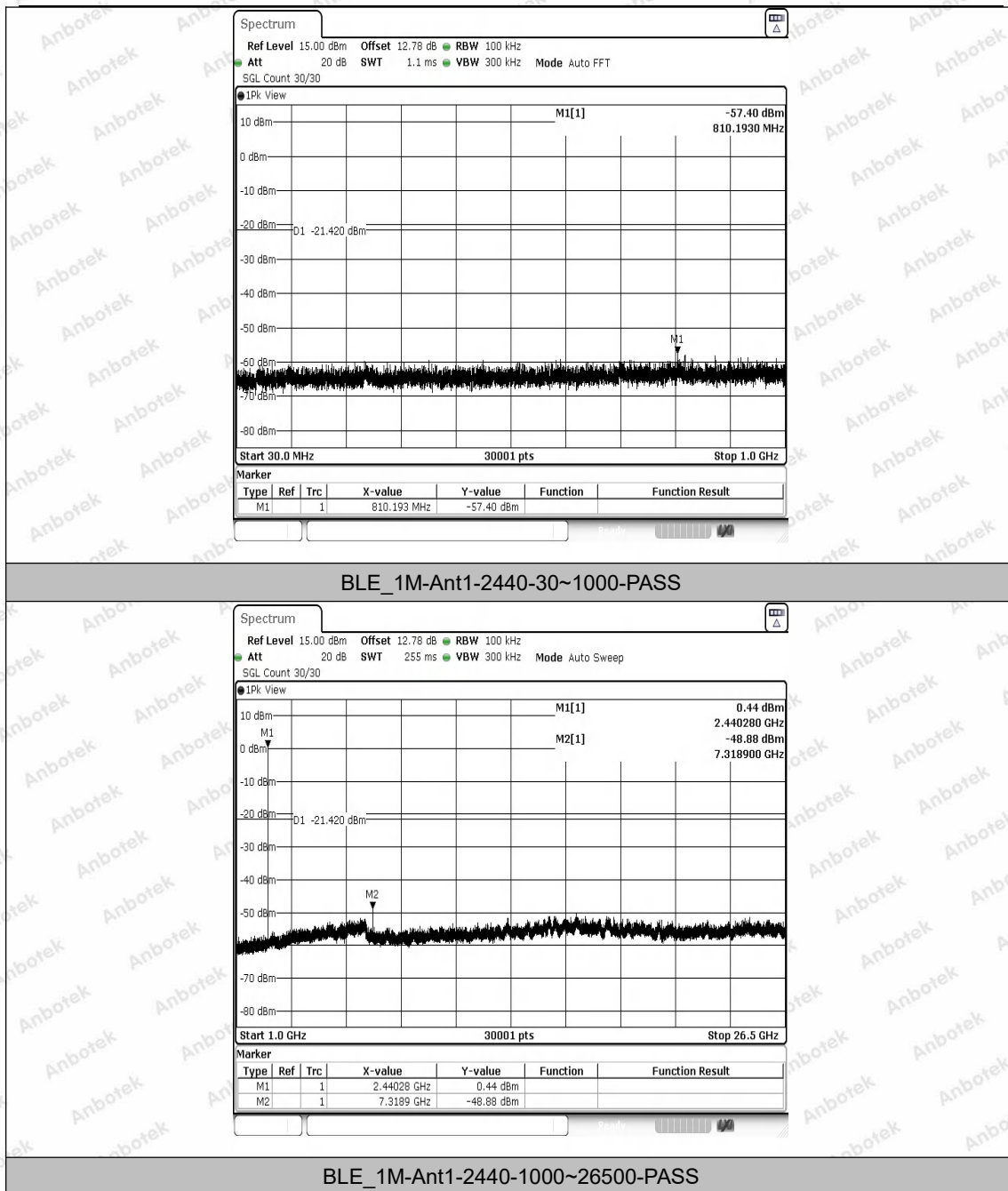
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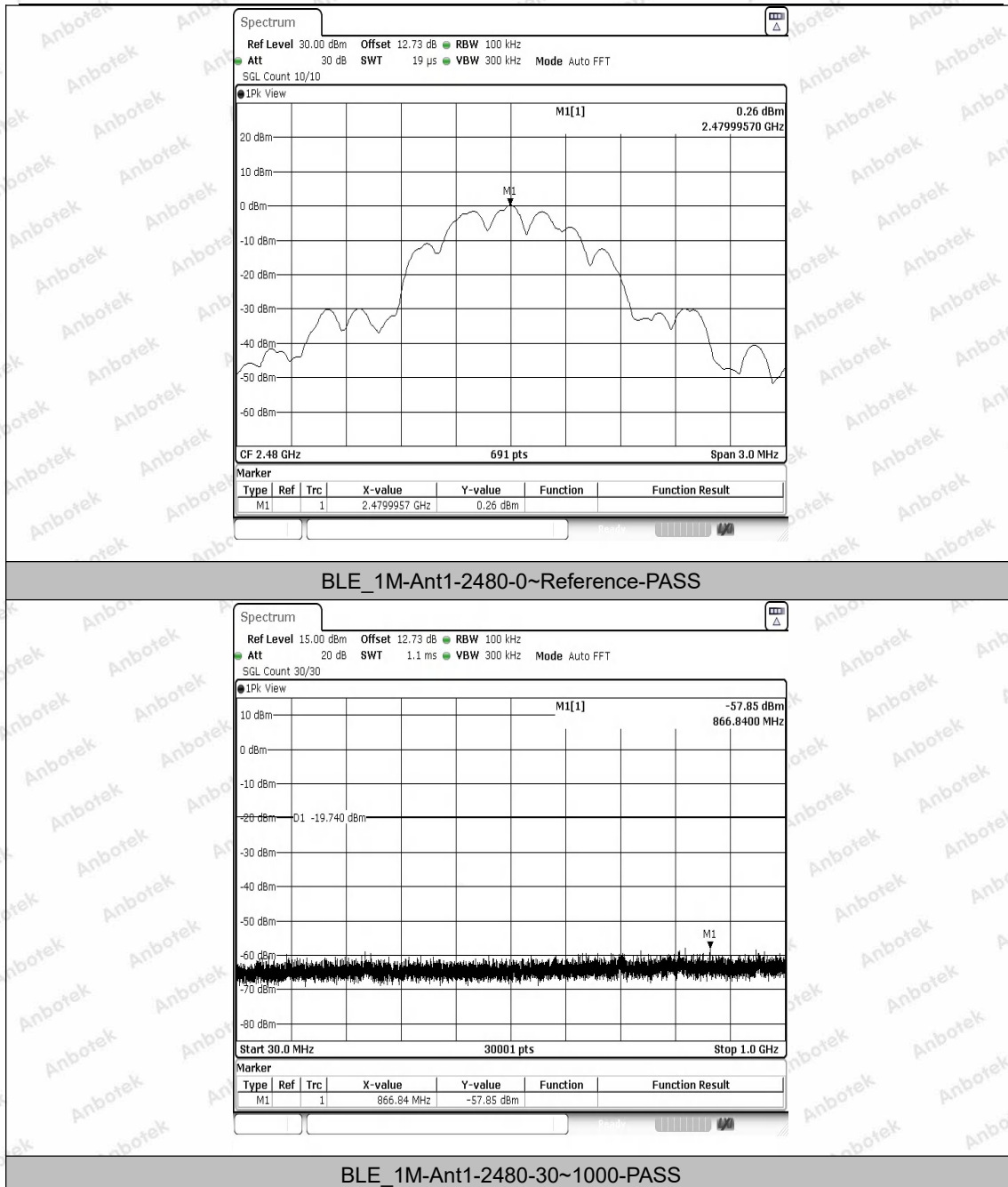
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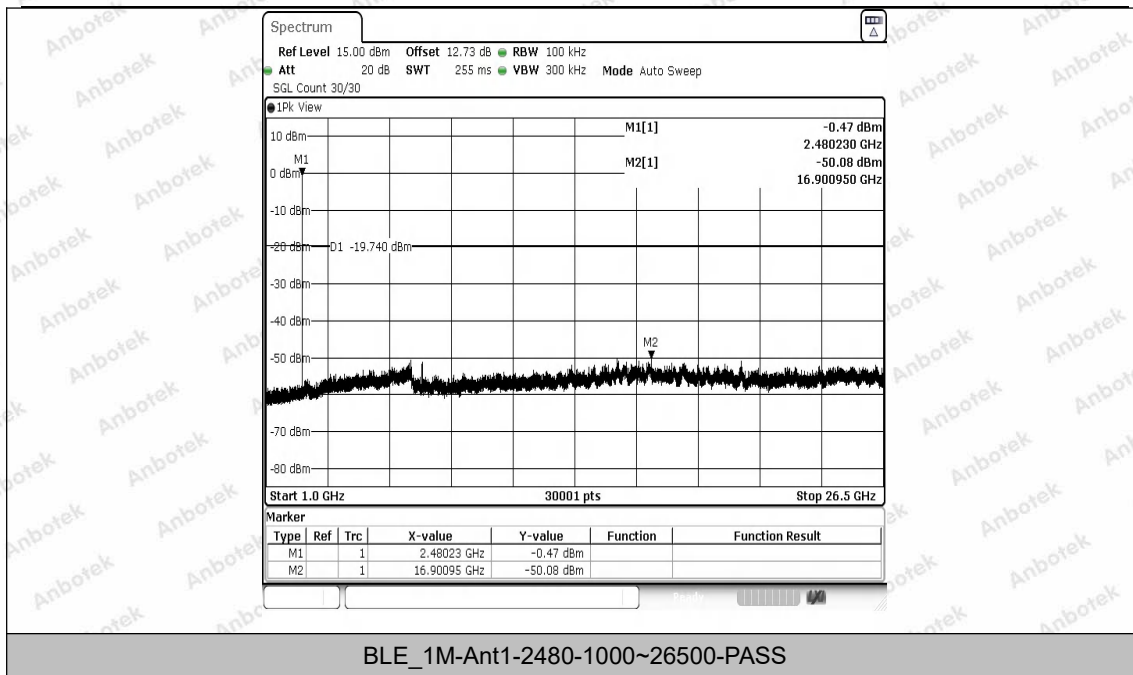
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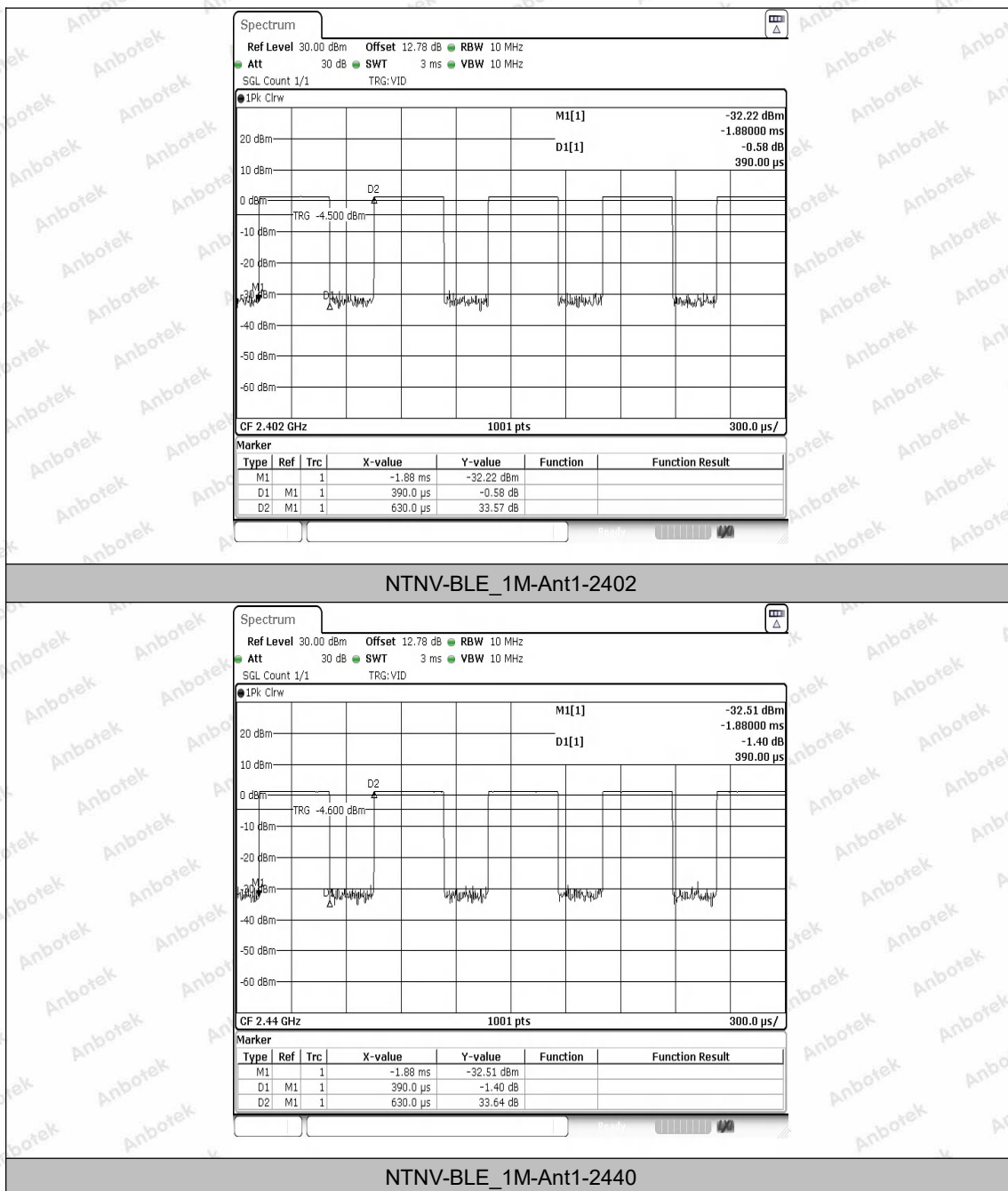
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2440	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2480	0.39	0.63	61.90	2.08



Test Graphs



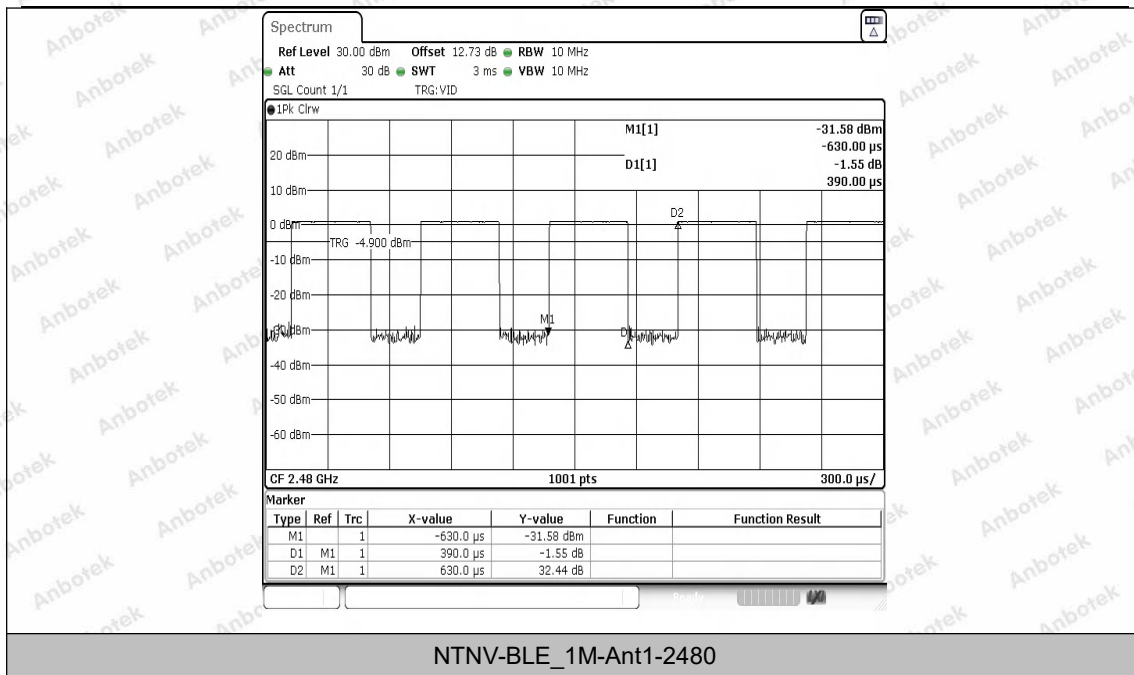
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