

Appendix Test Data

Report No:	182513C400031102	Test Sample NO:	1-2-2
Start Test Date:	2024.6.24	Finish Test Date:	2024.6.26
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	26.3℃	Relative Humidity:	45%
Pressure:	101 kPa		

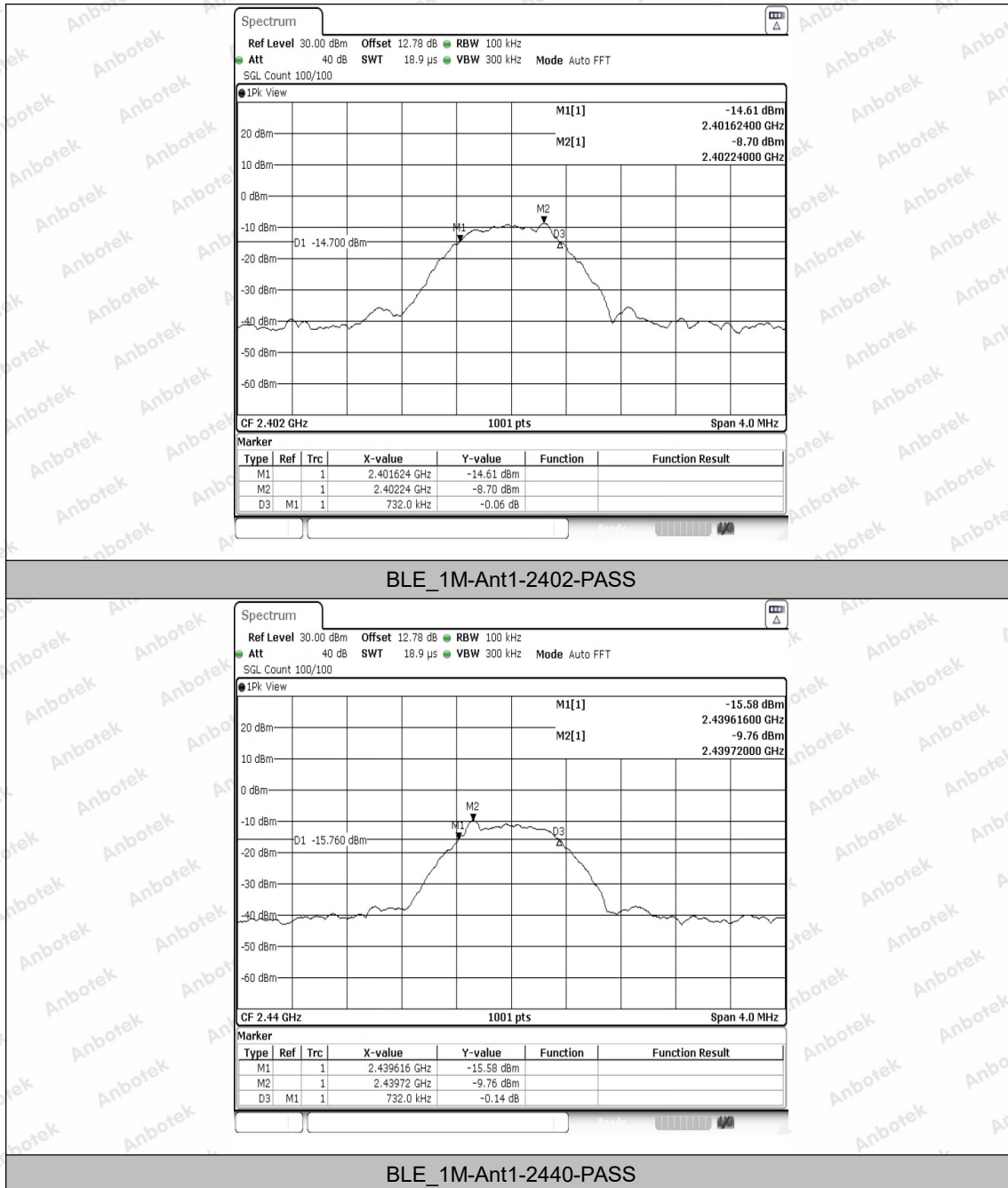
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.73	2401.62	2402.36	0.5	PASS
BLE_1M	Ant1	2440	0.73	2439.62	2440.35	0.5	PASS
BLE_1M	Ant1	2480	0.77	2479.60	2480.37	0.5	PASS
BLE_2M	Ant1	2402	1.46	2401.24	2402.71	0.5	PASS
BLE_2M	Ant1	2440	1.36	2439.27	2440.63	0.5	PASS
BLE_2M	Ant1	2480	1.50	2479.22	2480.72	0.5	PASS



Test Graphs



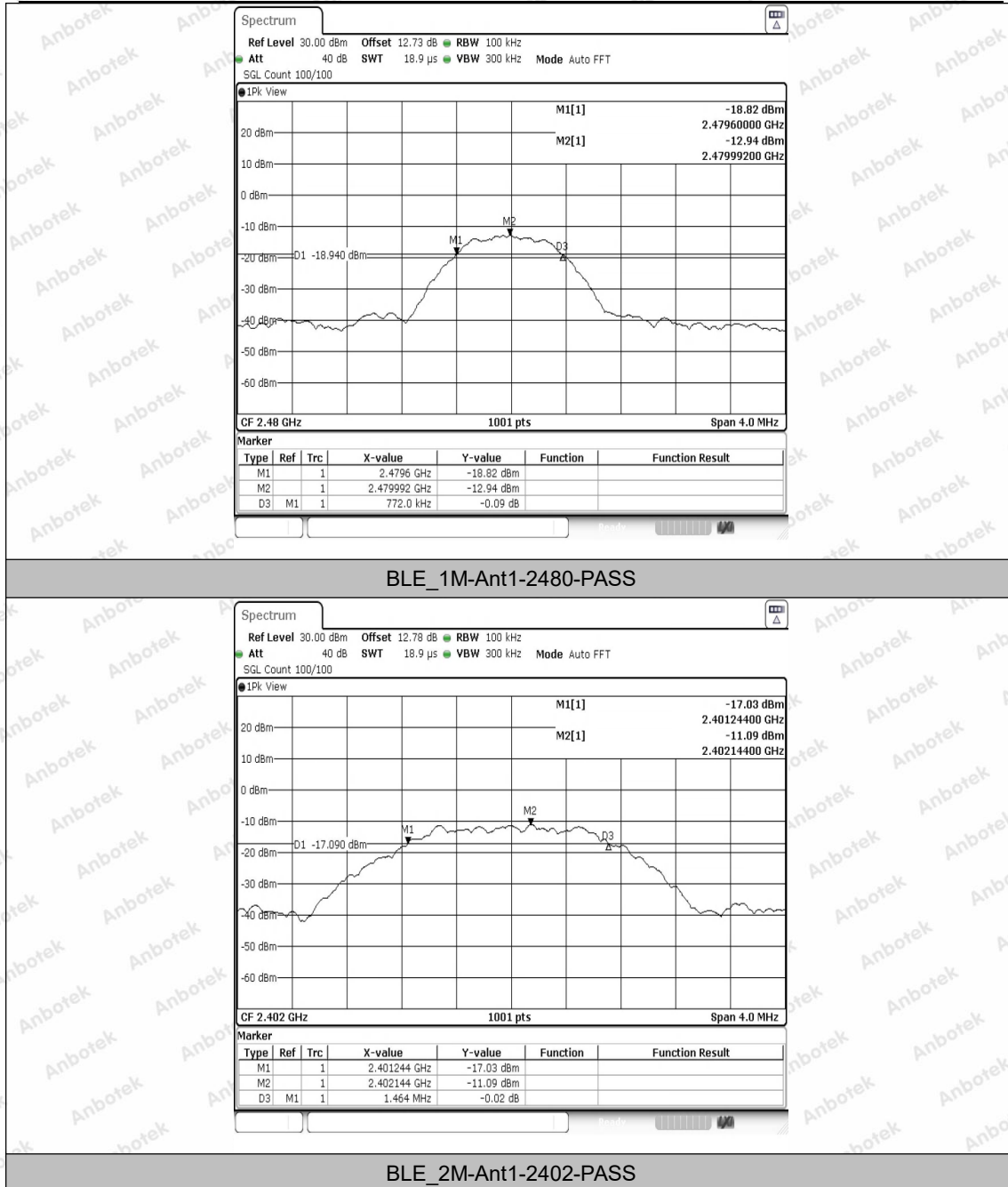
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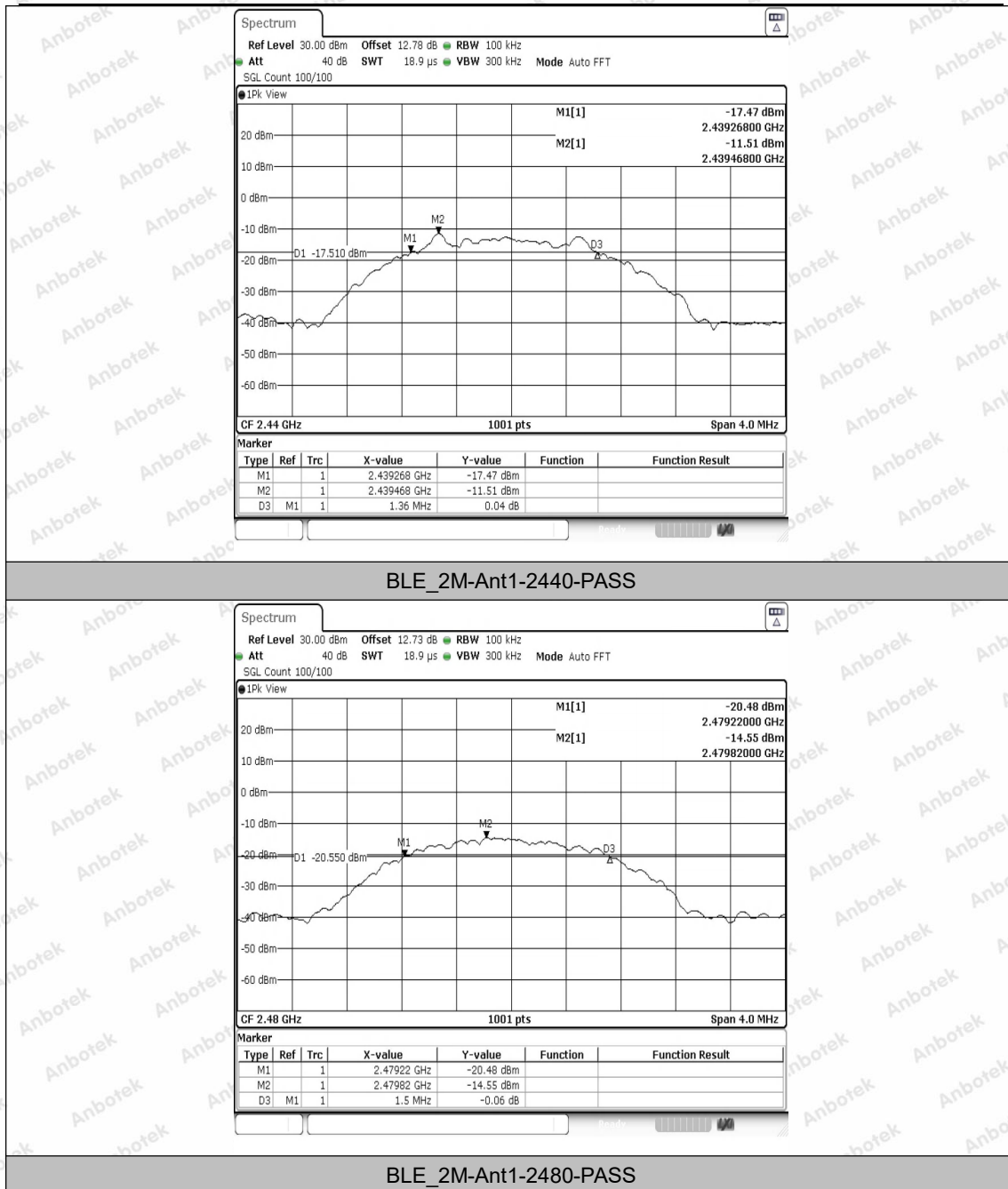
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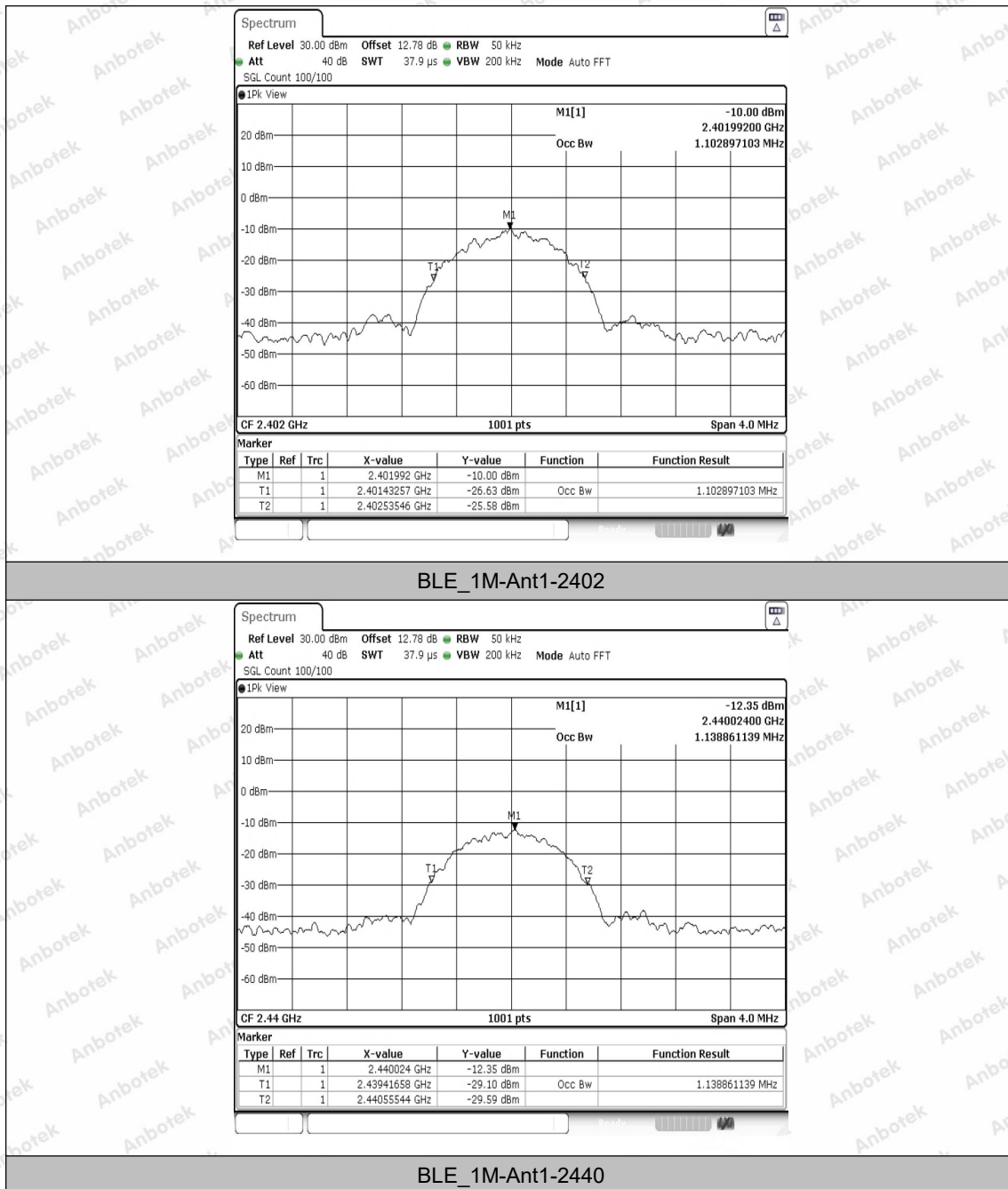
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.103	2401.4326	2402.5355	---	---
BLE_1M	Ant1	2440	1.139	2439.4166	2440.5554	---	---
BLE_1M	Ant1	2480	1.155	2479.4006	2480.5554	---	---
BLE_2M	Ant1	2402	2.13	2400.9091	2403.0390	---	---
BLE_2M	Ant1	2440	2.142	2438.9211	2441.0629	---	---
BLE_2M	Ant1	2480	2.162	2478.8931	2481.0549	---	---



Test Graphs



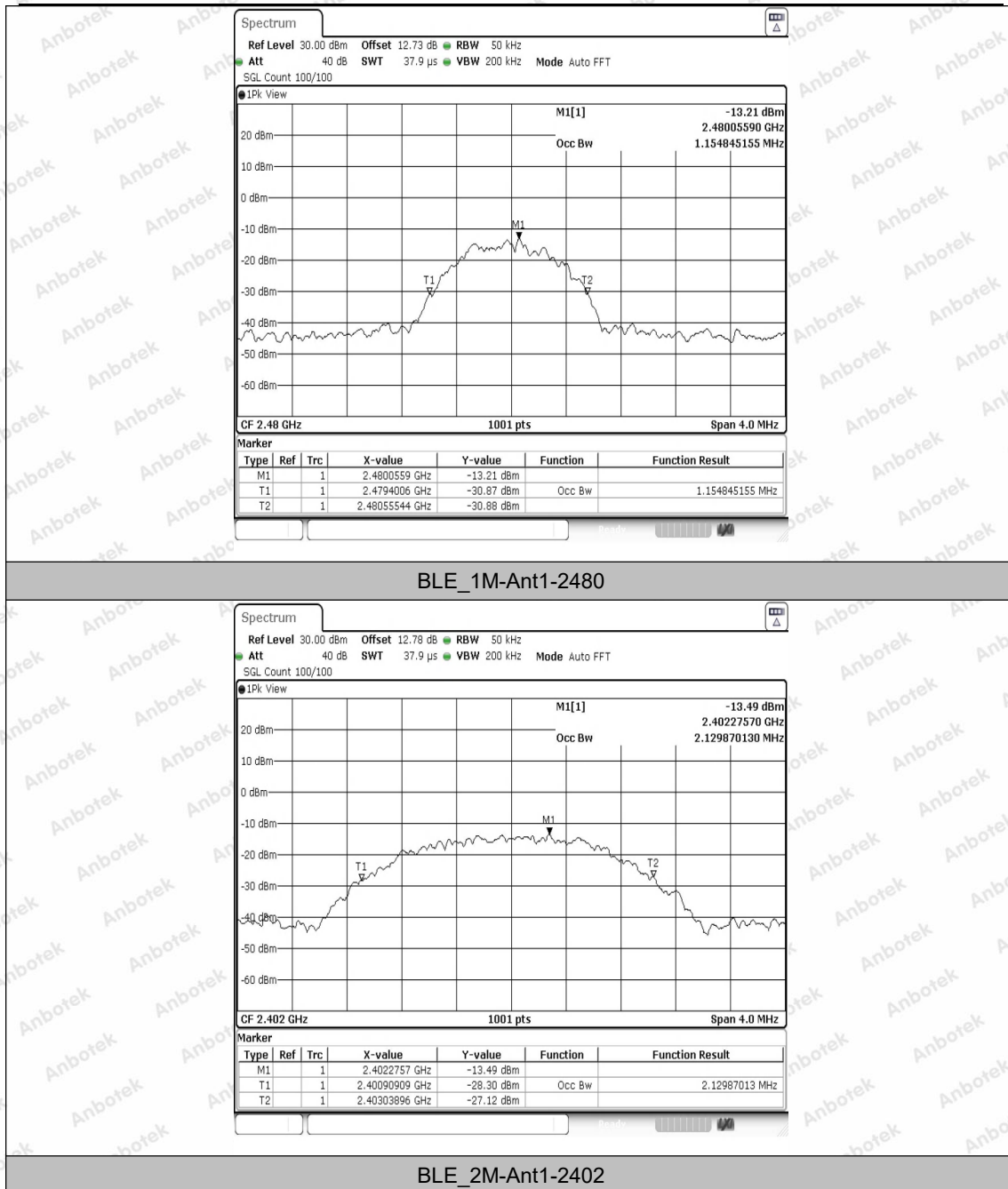
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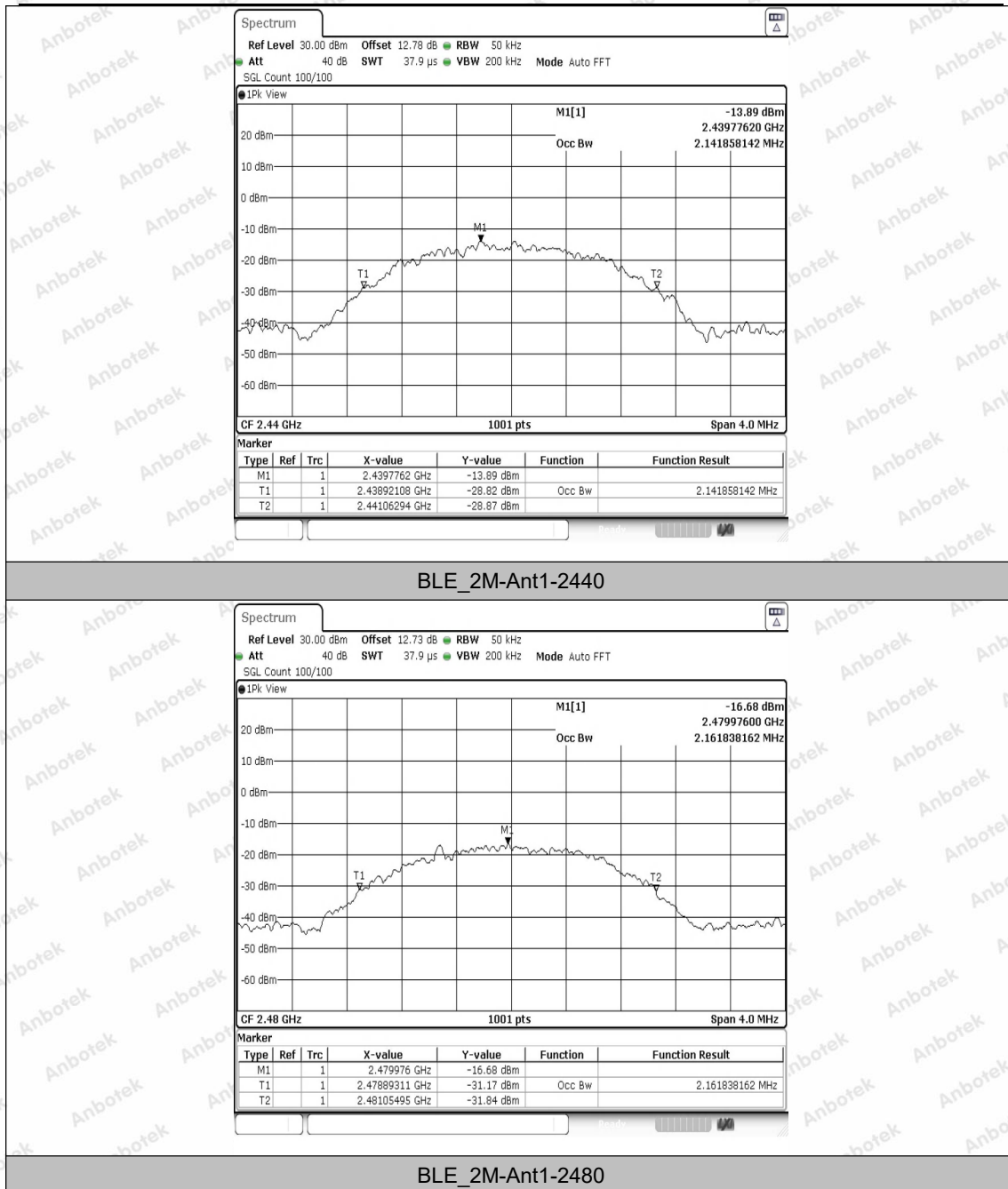
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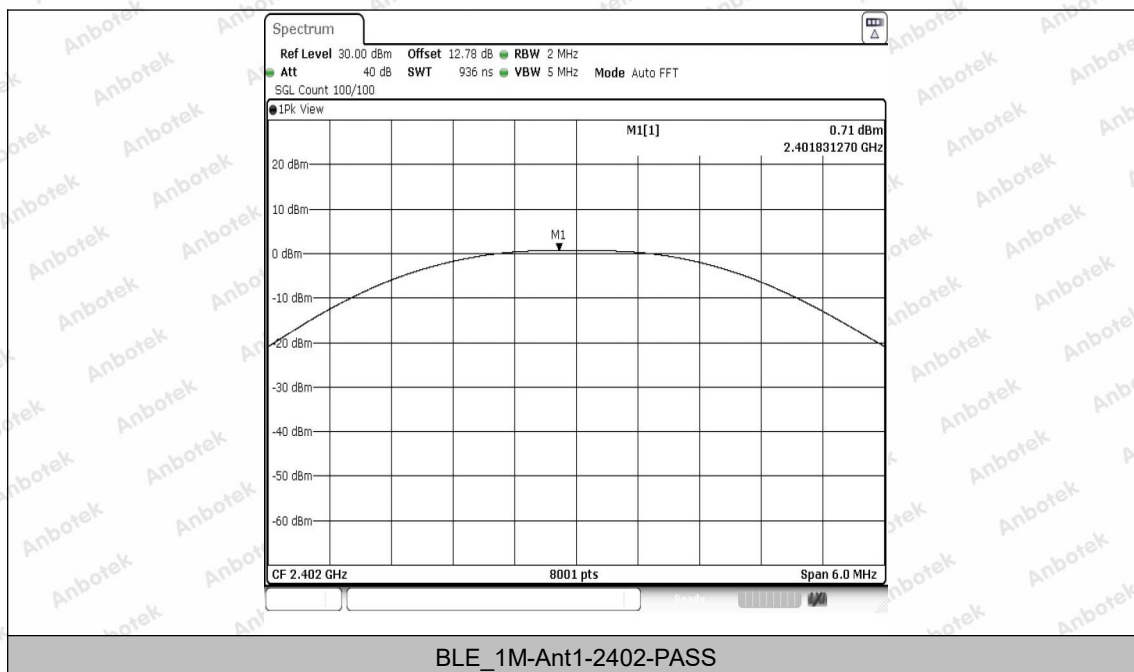


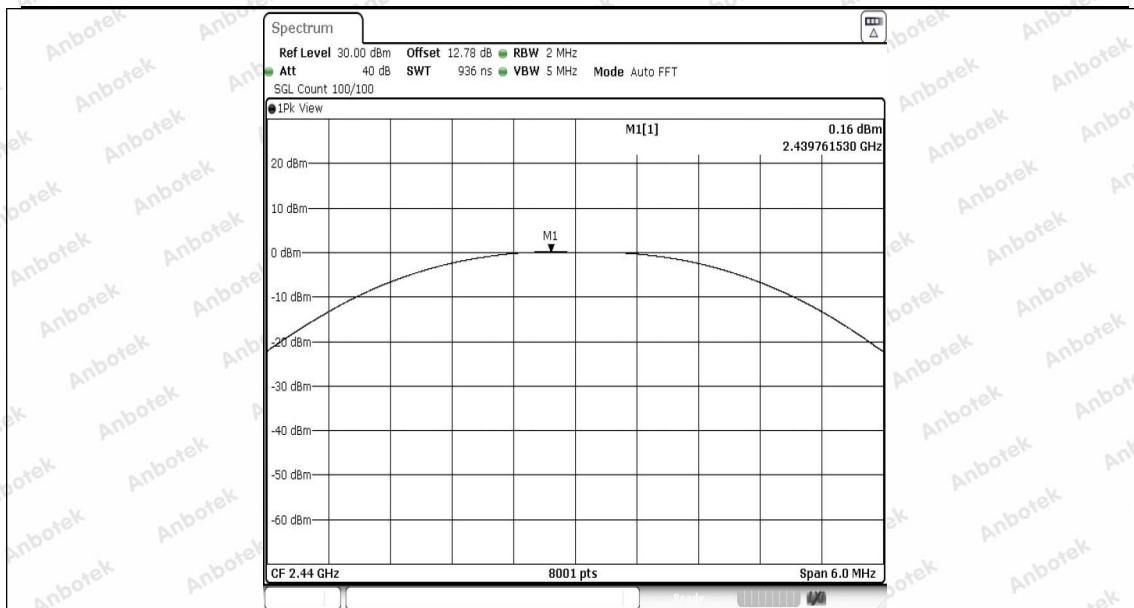
Appendix C: Maximum conducted output power

Test Result Peak

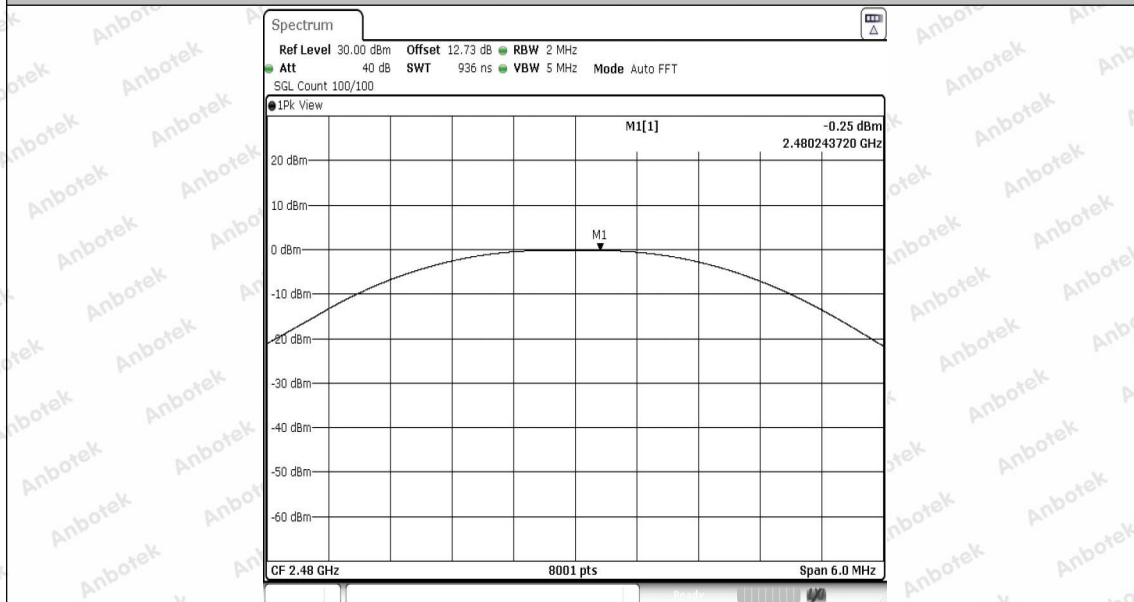
TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.71	≤30	PASS
BLE_1M	Ant1	2440	0.16	≤30	PASS
BLE_1M	Ant1	2480	-0.25	≤30	PASS
BLE_2M	Ant1	2402	0.71	≤30	PASS
BLE_2M	Ant1	2440	0.00	≤30	PASS
BLE_2M	Ant1	2480	-0.25	≤30	PASS

Test Graphs Peak





BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

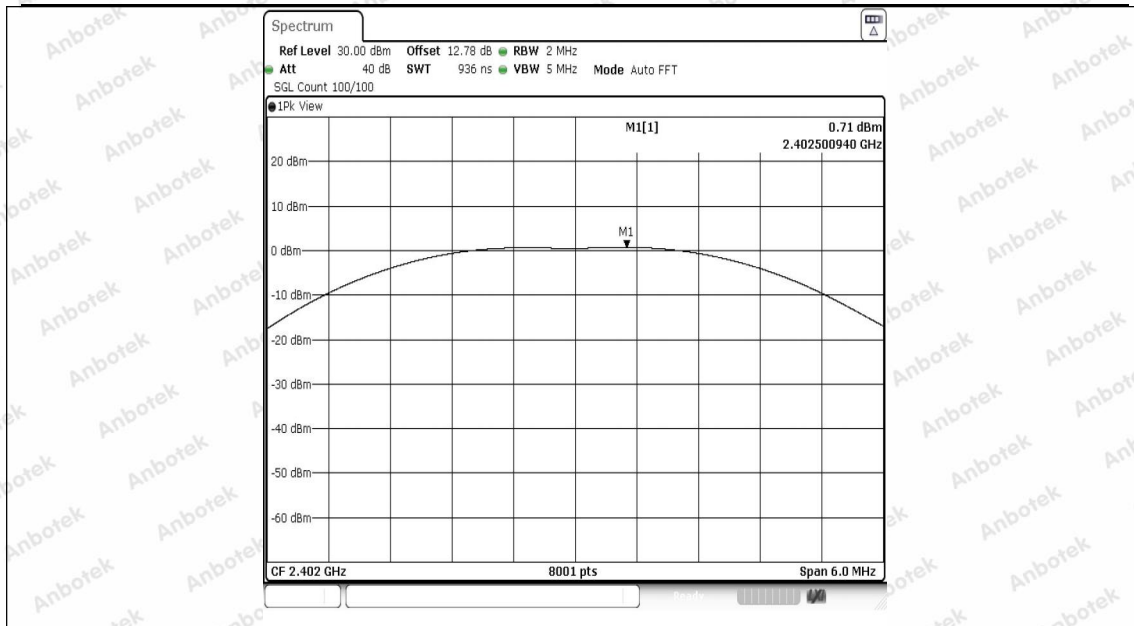
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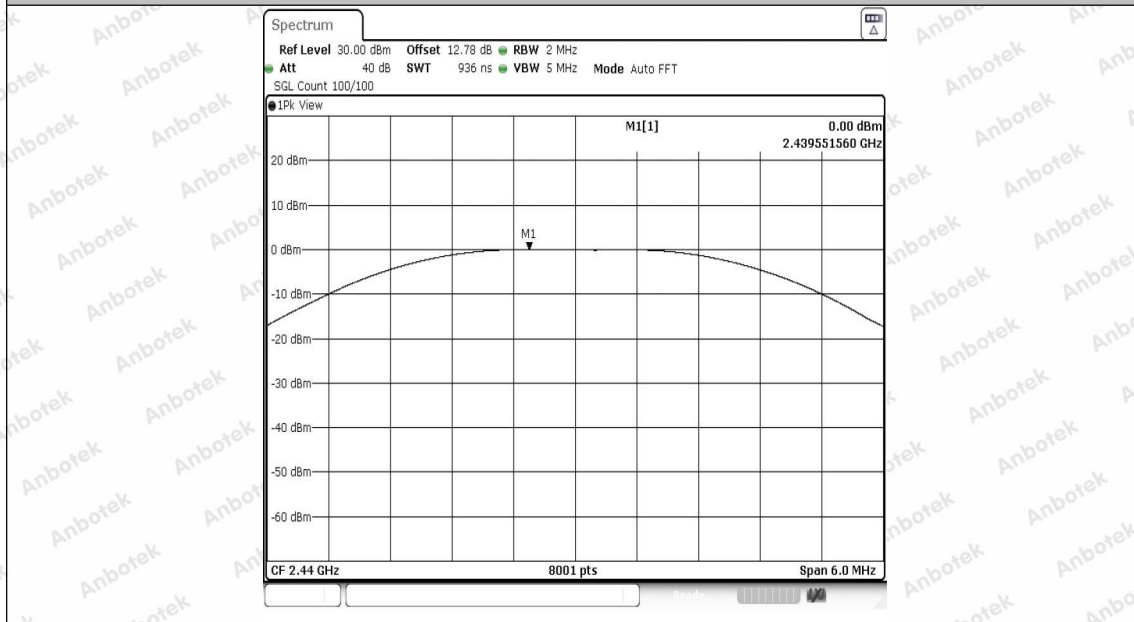


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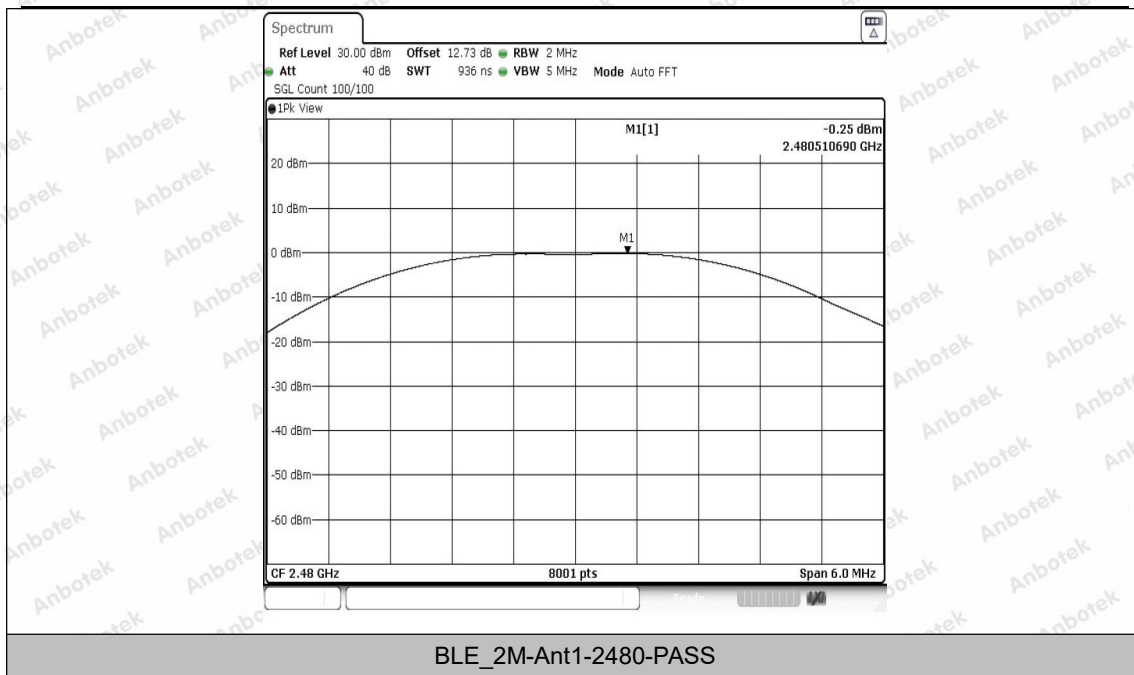


BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



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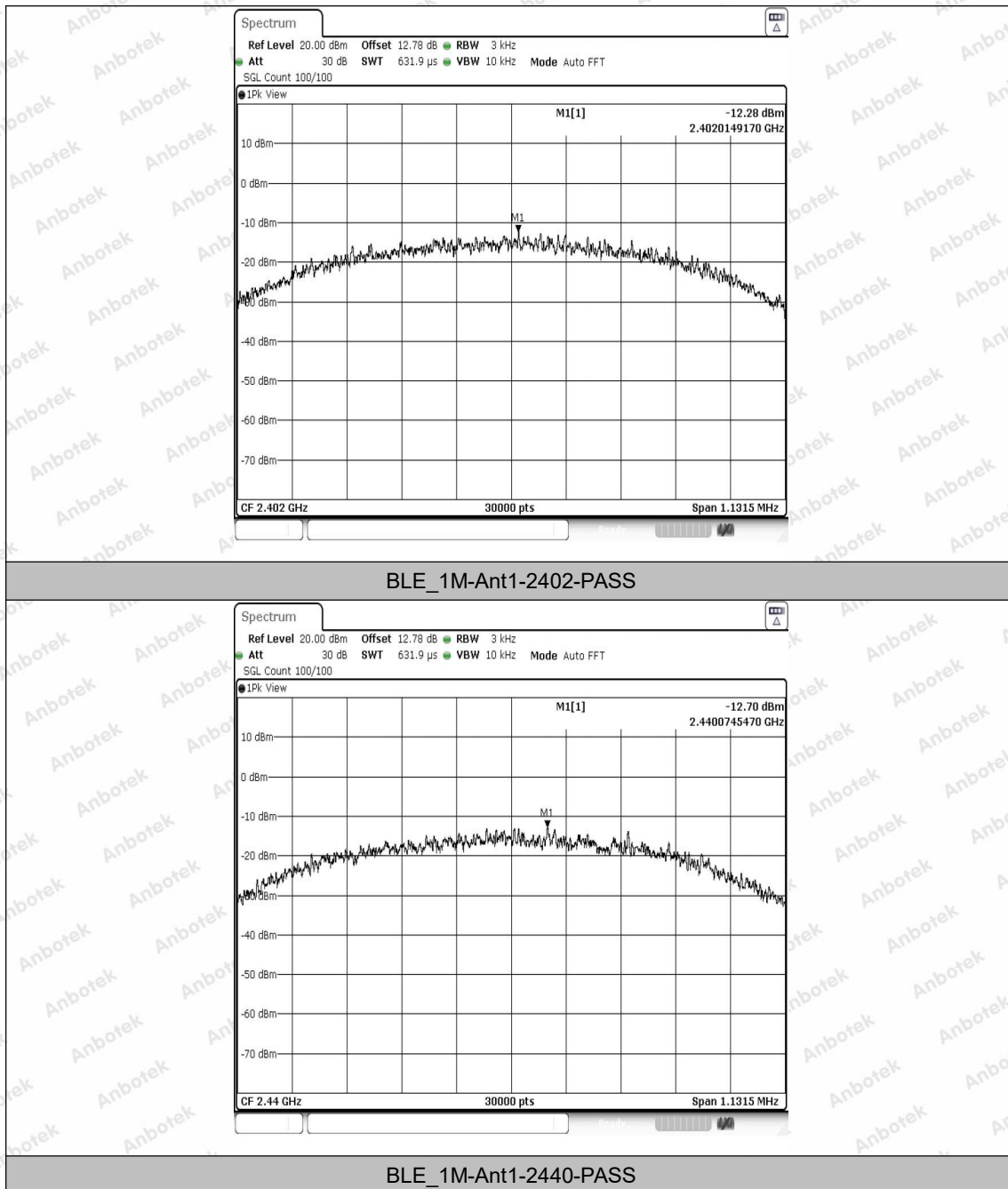
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.28	≤8.00	PASS
BLE_1M	Ant1	2440	-12.70	≤8.00	PASS
BLE_1M	Ant1	2480	-13.53	≤8.00	PASS
BLE_2M	Ant1	2402	-15.63	≤8.00	PASS
BLE_2M	Ant1	2440	-15.63	≤8.00	PASS
BLE_2M	Ant1	2480	-16.06	≤8.00	PASS



Test Graphs



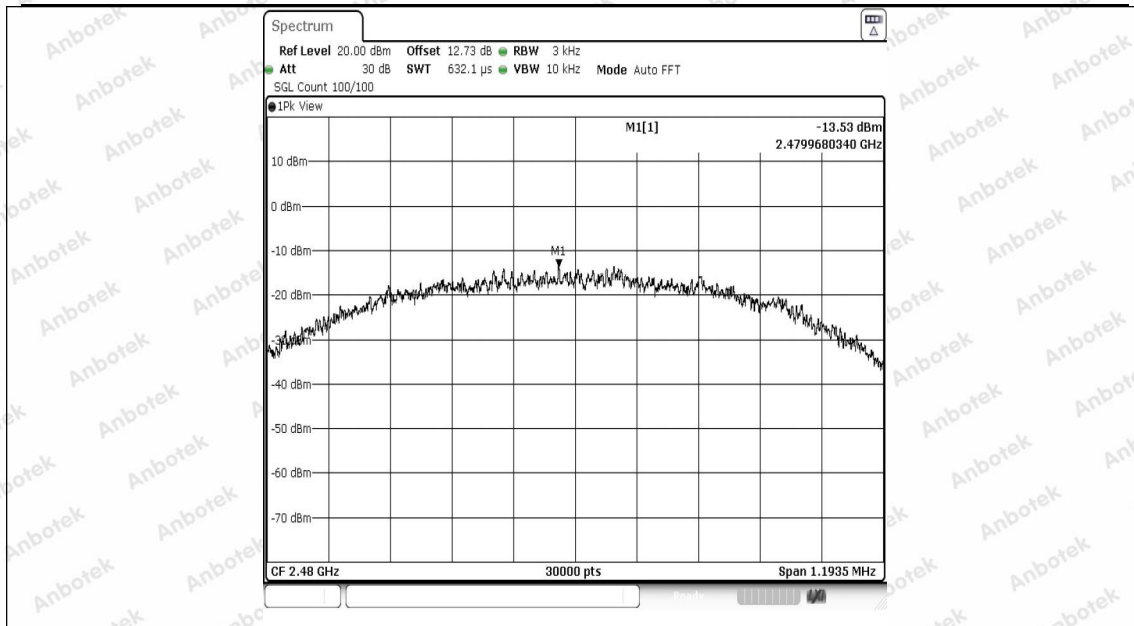
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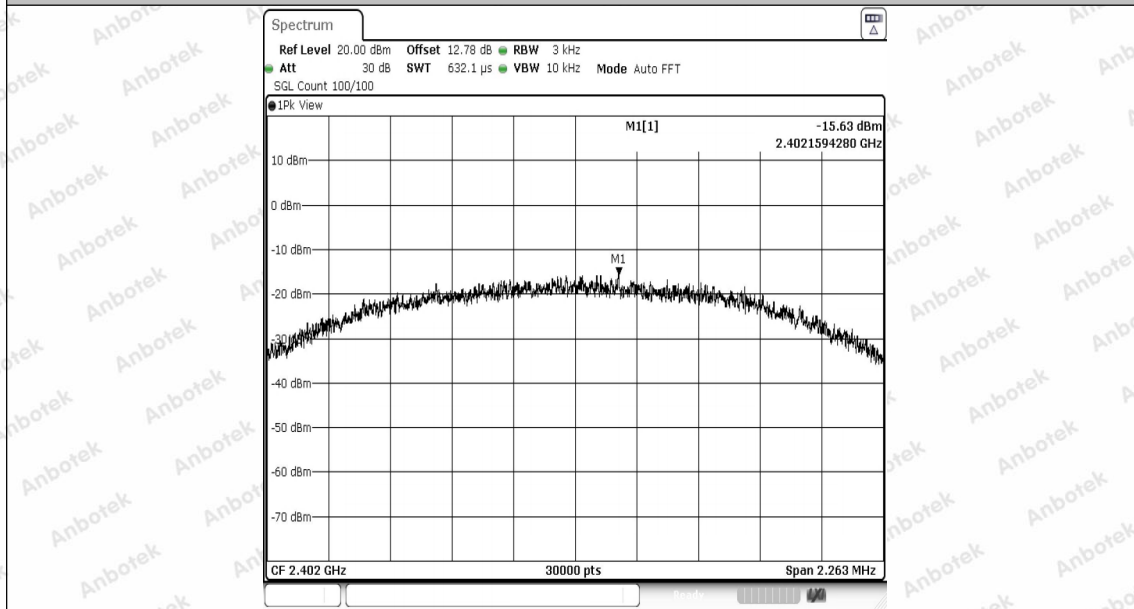


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BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS

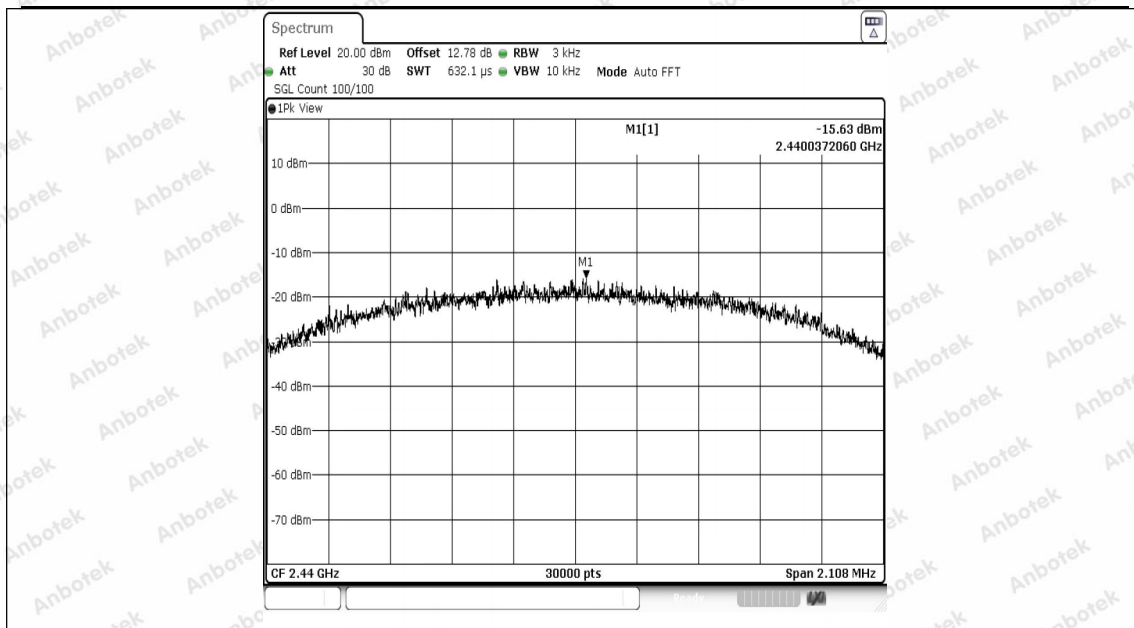
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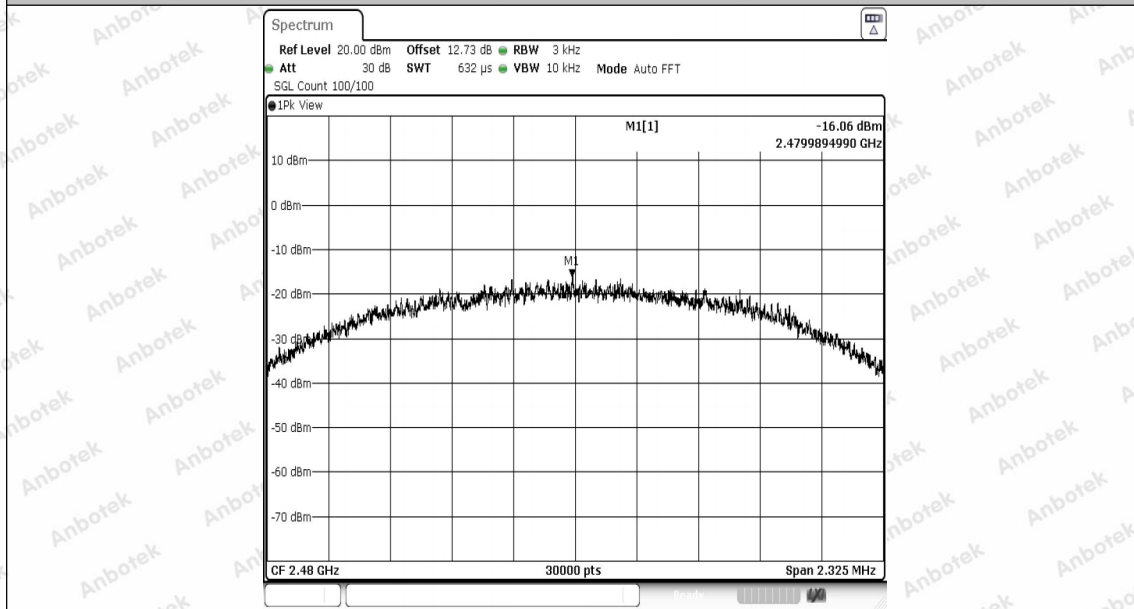


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BLE_2M-Ant1-2440-PASS



BLE_2M-Ant1-2480-PASS

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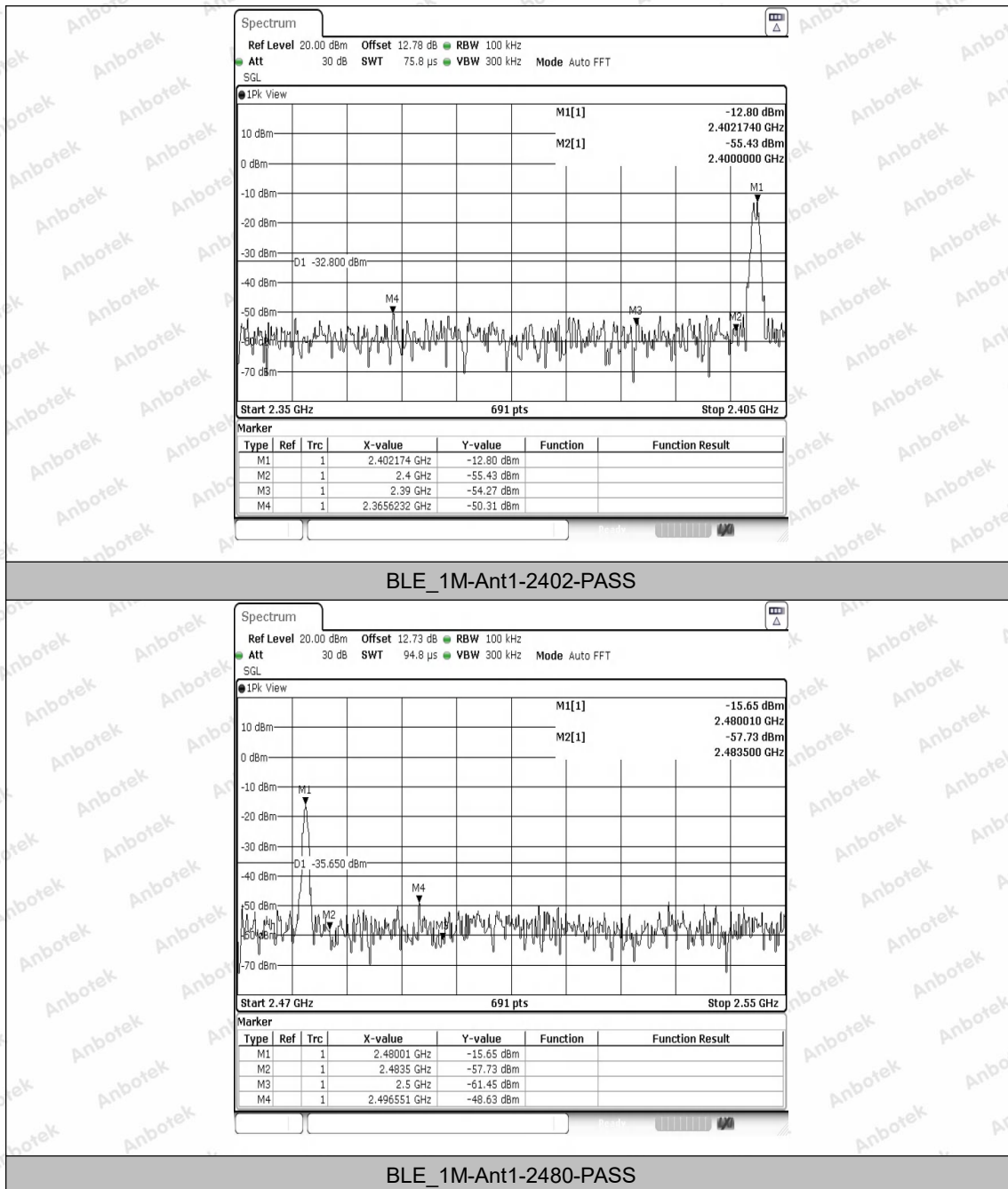
Appendix F: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-12.80	-50.31	≤-32.8	PASS
BLE_1M	Ant1	High	2480	-15.65	-48.63	≤-35.65	PASS
BLE_2M	Ant1	Low	2402	-13.34	-45.15	≤-33.34	PASS
BLE_2M	Ant1	High	2480	-19.14	-48.62	≤-39.14	PASS



Test Graphs



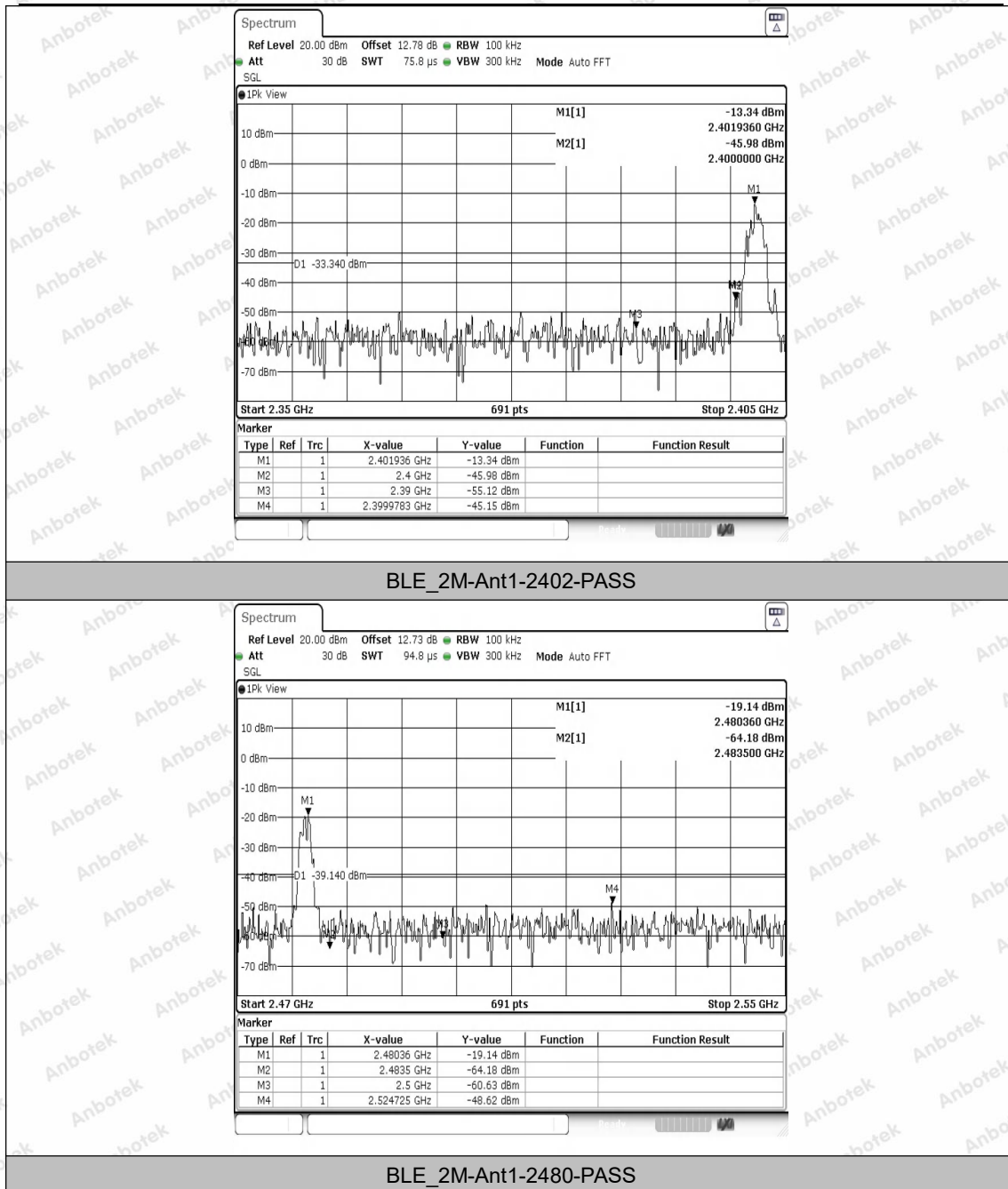
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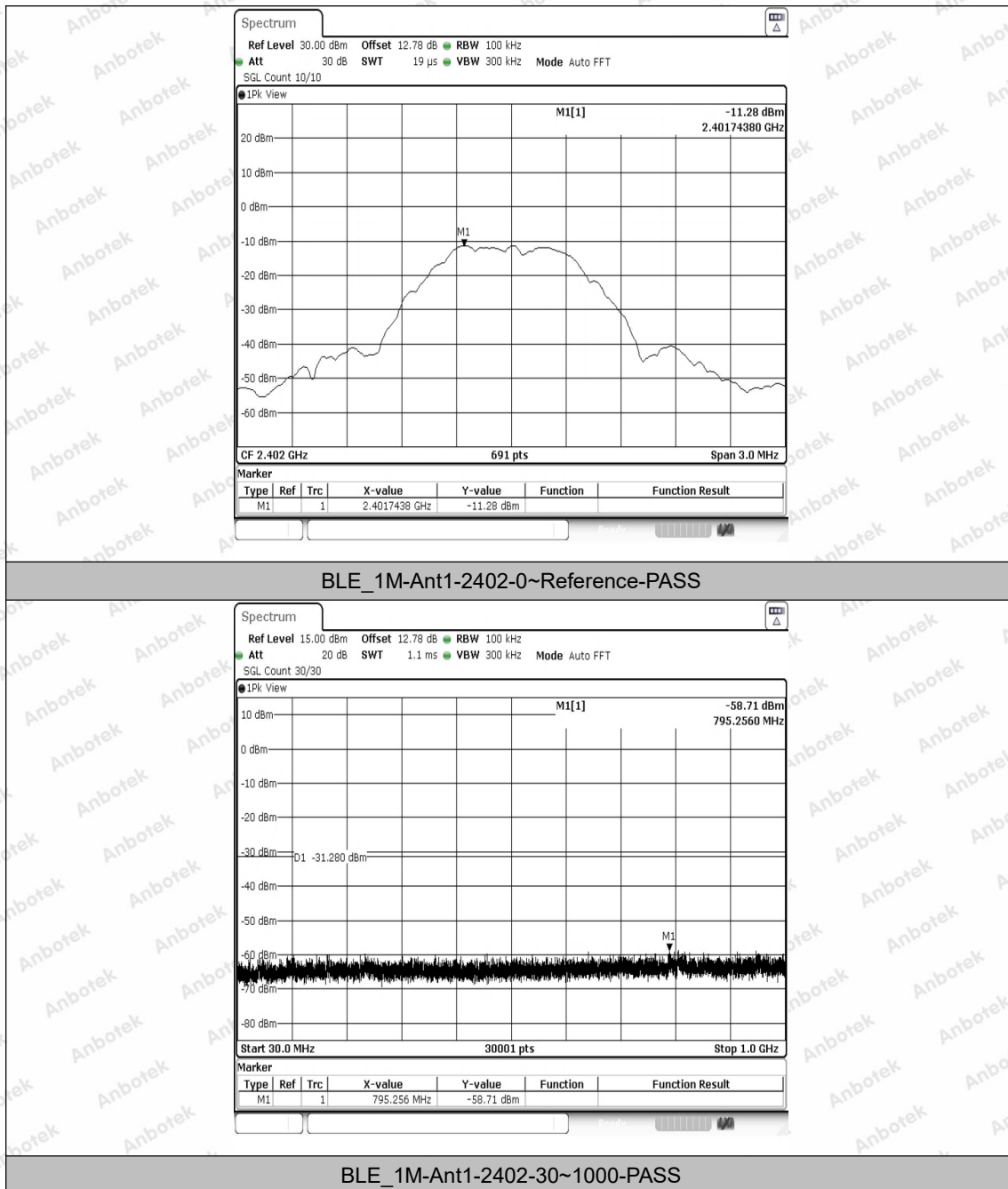
Appendix G: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-11.28	-11.28	---	PASS
BLE_1M	Ant1	2402	30~1000	-11.28	-58.71	≤-31.28	PASS
BLE_1M	Ant1	2402	1000~26500	-11.28	-50.4	≤-31.28	PASS
BLE_1M	Ant1	2440	0~Reference	-11.43	-11.43	---	PASS
BLE_1M	Ant1	2440	30~1000	-11.43	-57.5	≤-31.43	PASS
BLE_1M	Ant1	2440	1000~26500	-11.43	-50.21	≤-31.43	PASS
BLE_1M	Ant1	2480	0~Reference	-12.98	-12.98	---	PASS
BLE_1M	Ant1	2480	30~1000	-12.98	-57.98	≤-32.98	PASS
BLE_1M	Ant1	2480	1000~26500	-12.98	-51.14	≤-32.98	PASS
BLE_2M	Ant1	2402	0~Reference	-11.38	-11.38	---	PASS
BLE_2M	Ant1	2402	30~1000	-11.38	-58.34	≤-31.38	PASS
BLE_2M	Ant1	2402	1000~26500	-11.38	-50.05	≤-31.38	PASS
BLE_2M	Ant1	2440	0~Reference	-14.41	-14.41	---	PASS
BLE_2M	Ant1	2440	30~1000	-14.41	-57.25	≤-34.41	PASS
BLE_2M	Ant1	2440	1000~26500	-14.41	-50.08	≤-34.41	PASS
BLE_2M	Ant1	2480	0~Reference	-14.49	-14.49	---	PASS
BLE_2M	Ant1	2480	30~1000	-14.49	-58.16	≤-34.49	PASS
BLE_2M	Ant1	2480	1000~26500	-14.49	-50.61	≤-34.49	PASS



Test Graphs



BLE_1M-Ant1-2402-30~1000-PASS

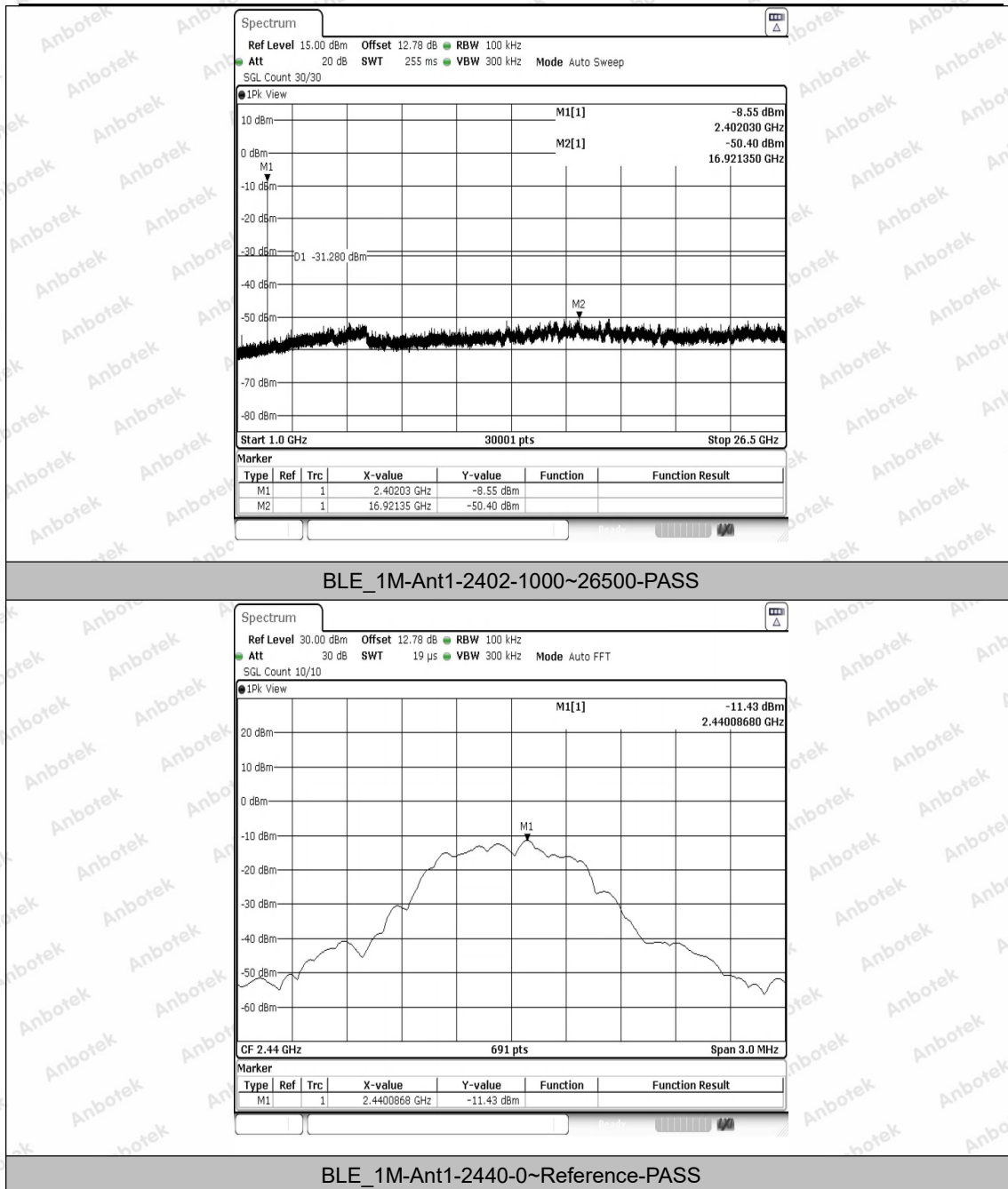
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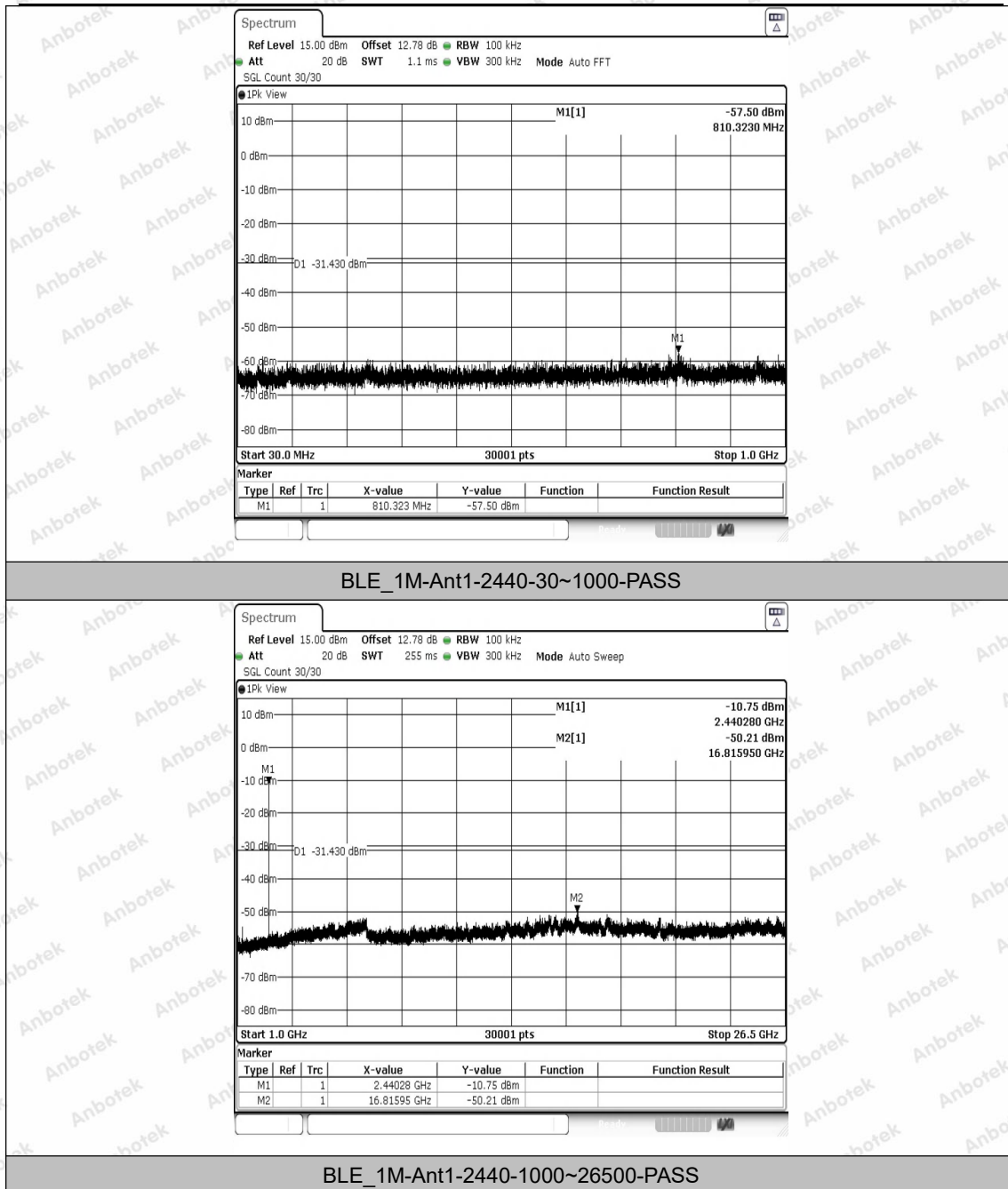
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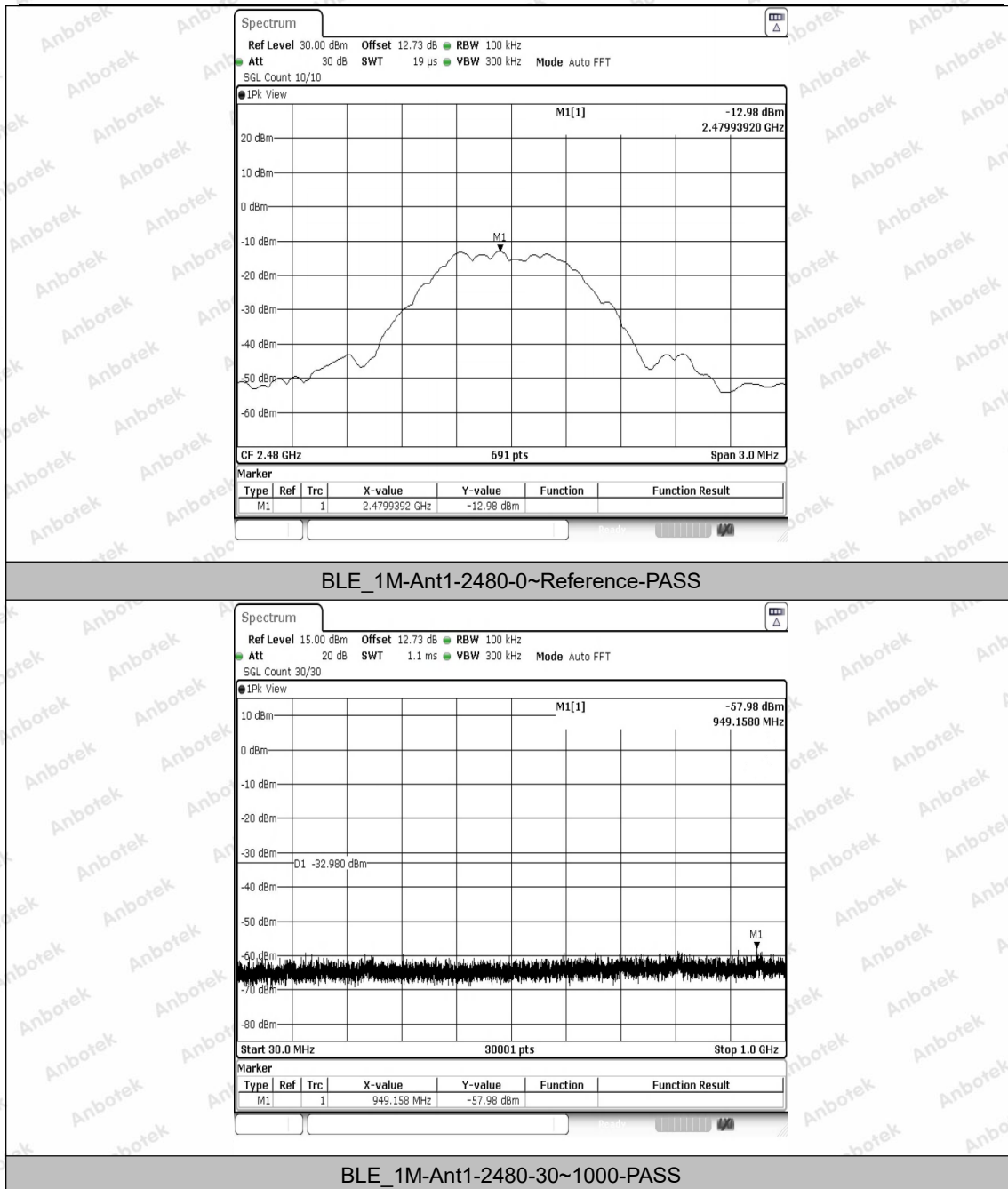
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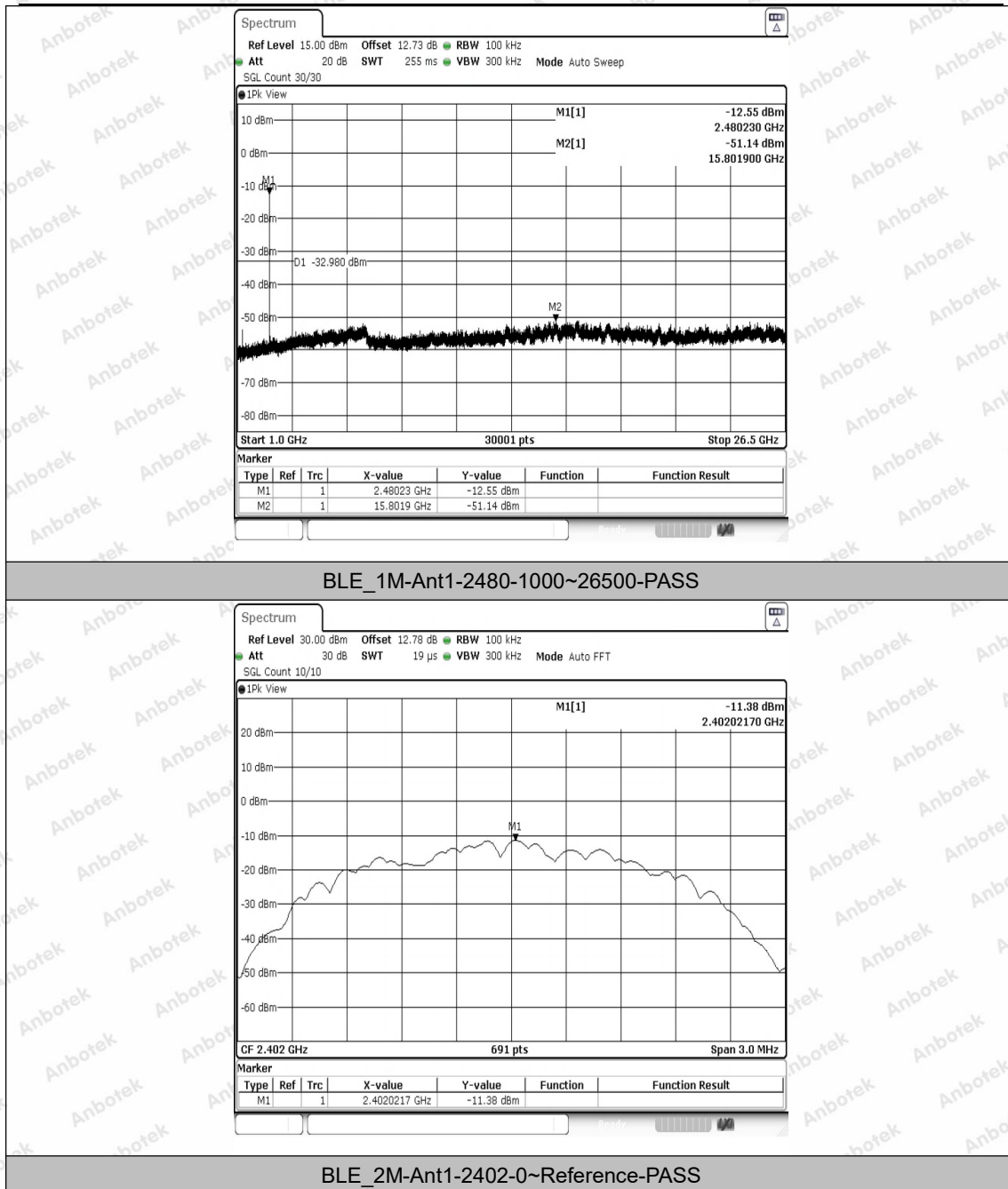
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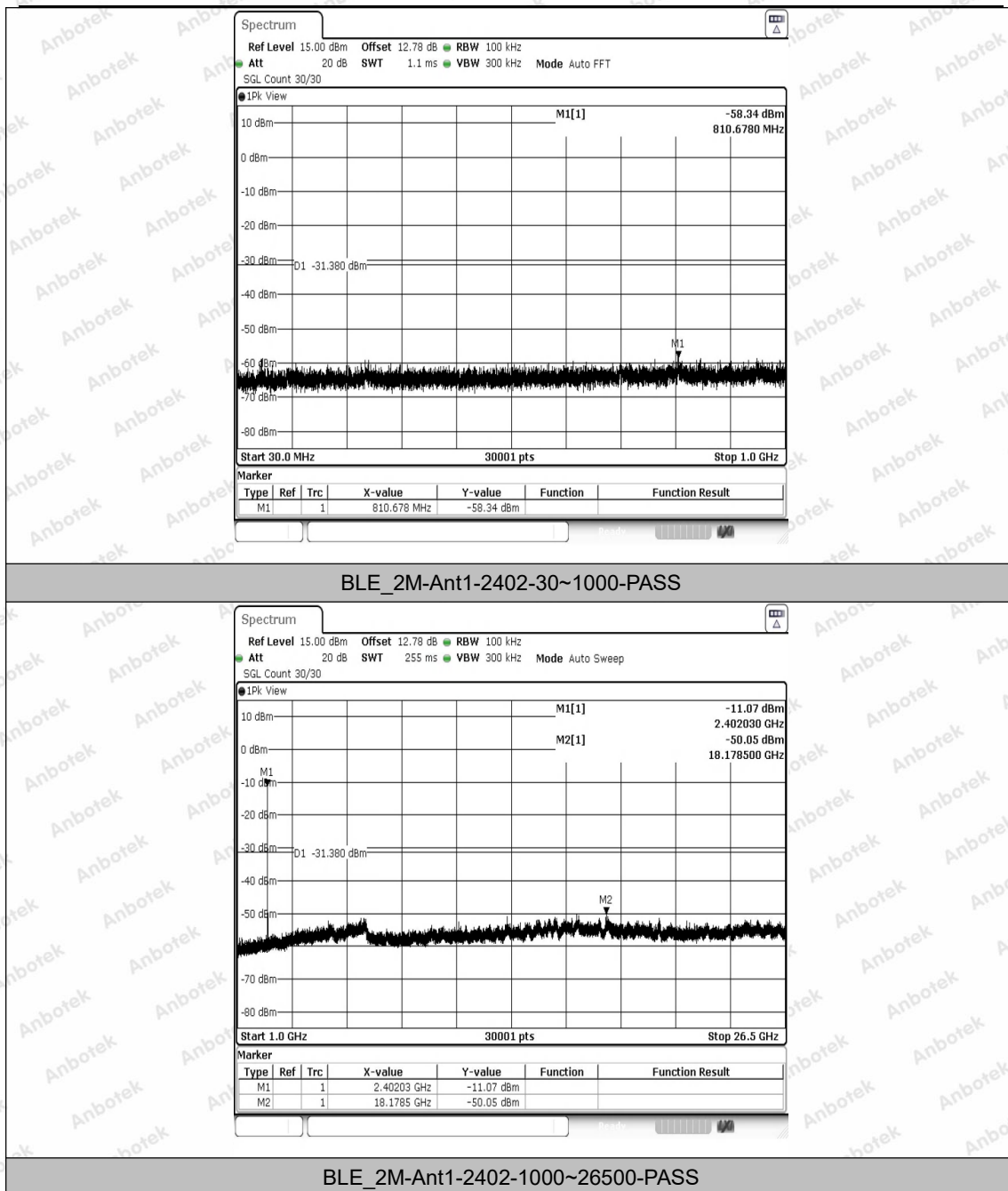
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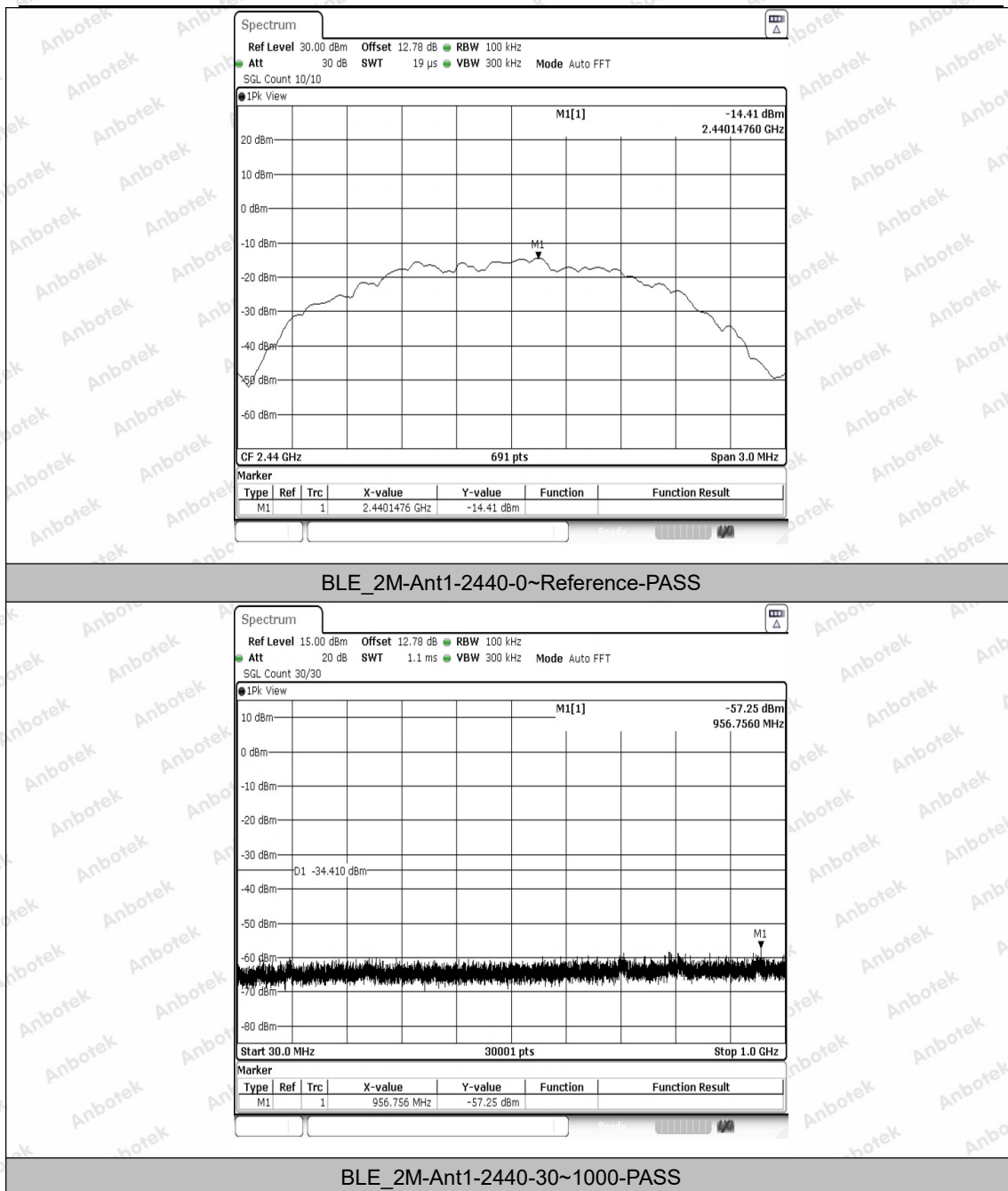
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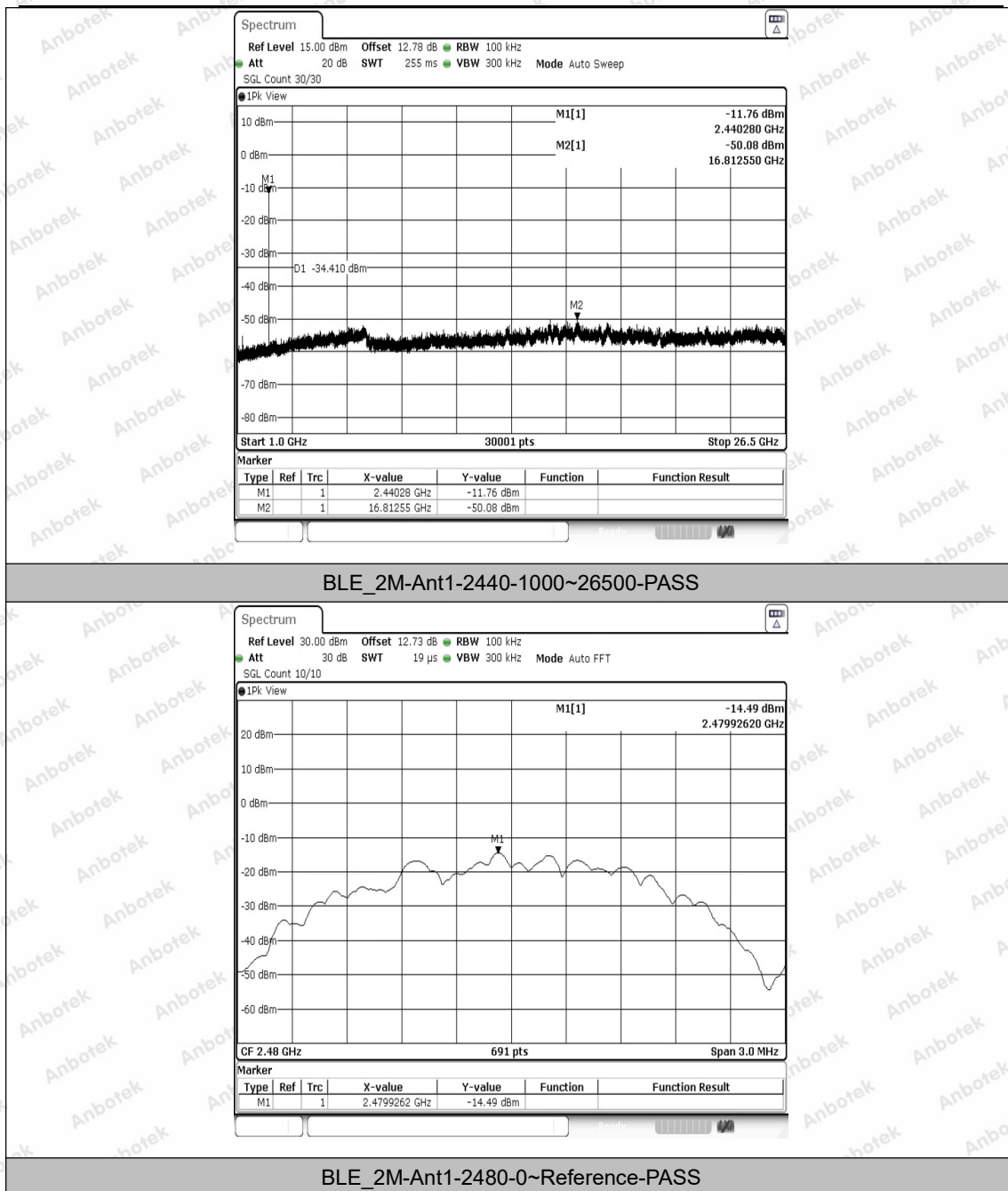
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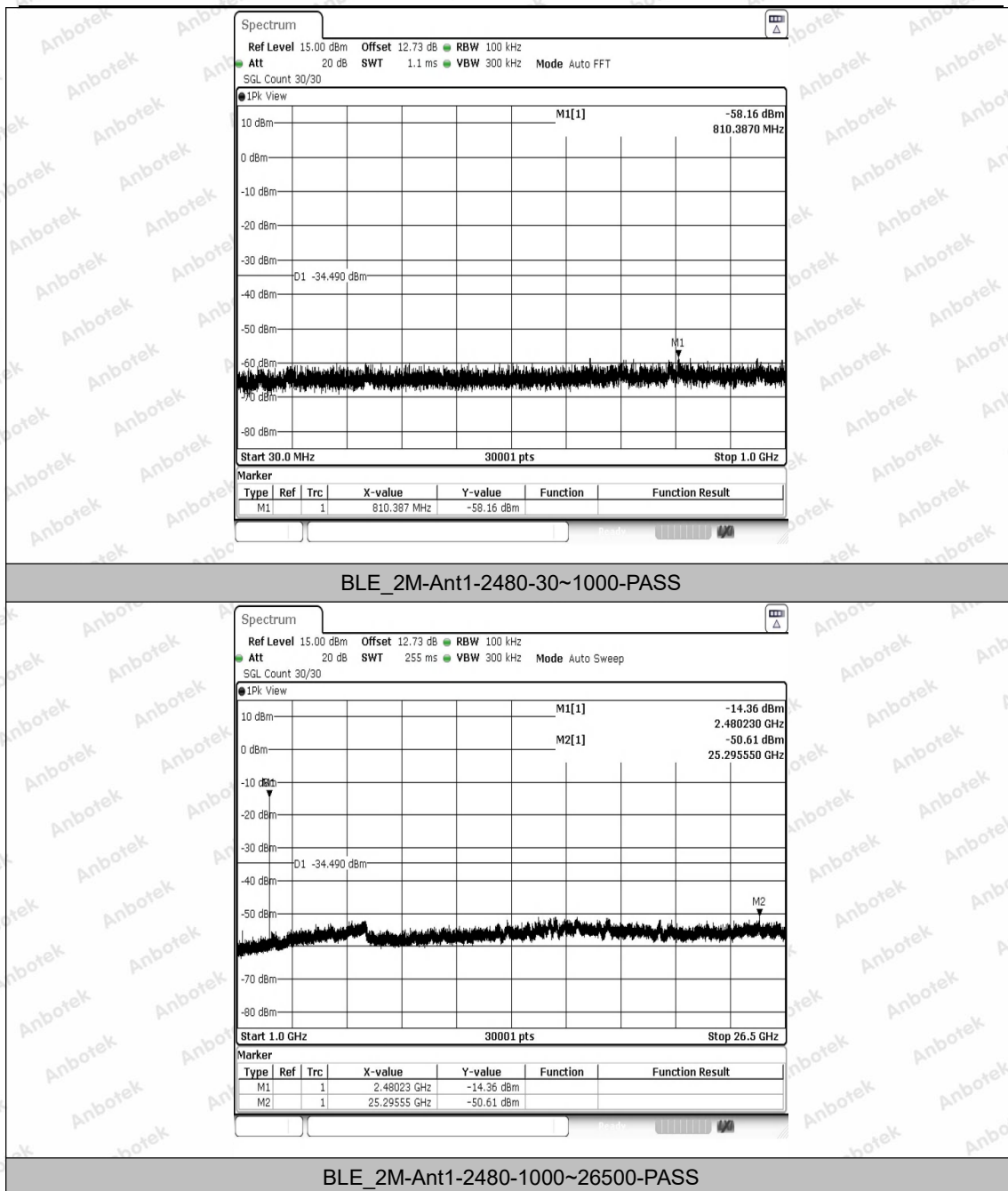
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