

Appendix Test Data

Report No:	1812C40004212501	Test Sample NO:	1-2-2
Start Test Date:	2024.8.12	Finish Test Date:	2024.8.12
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	26.3℃	Relative Humidity:	45%
Pressure:	101 kPa		

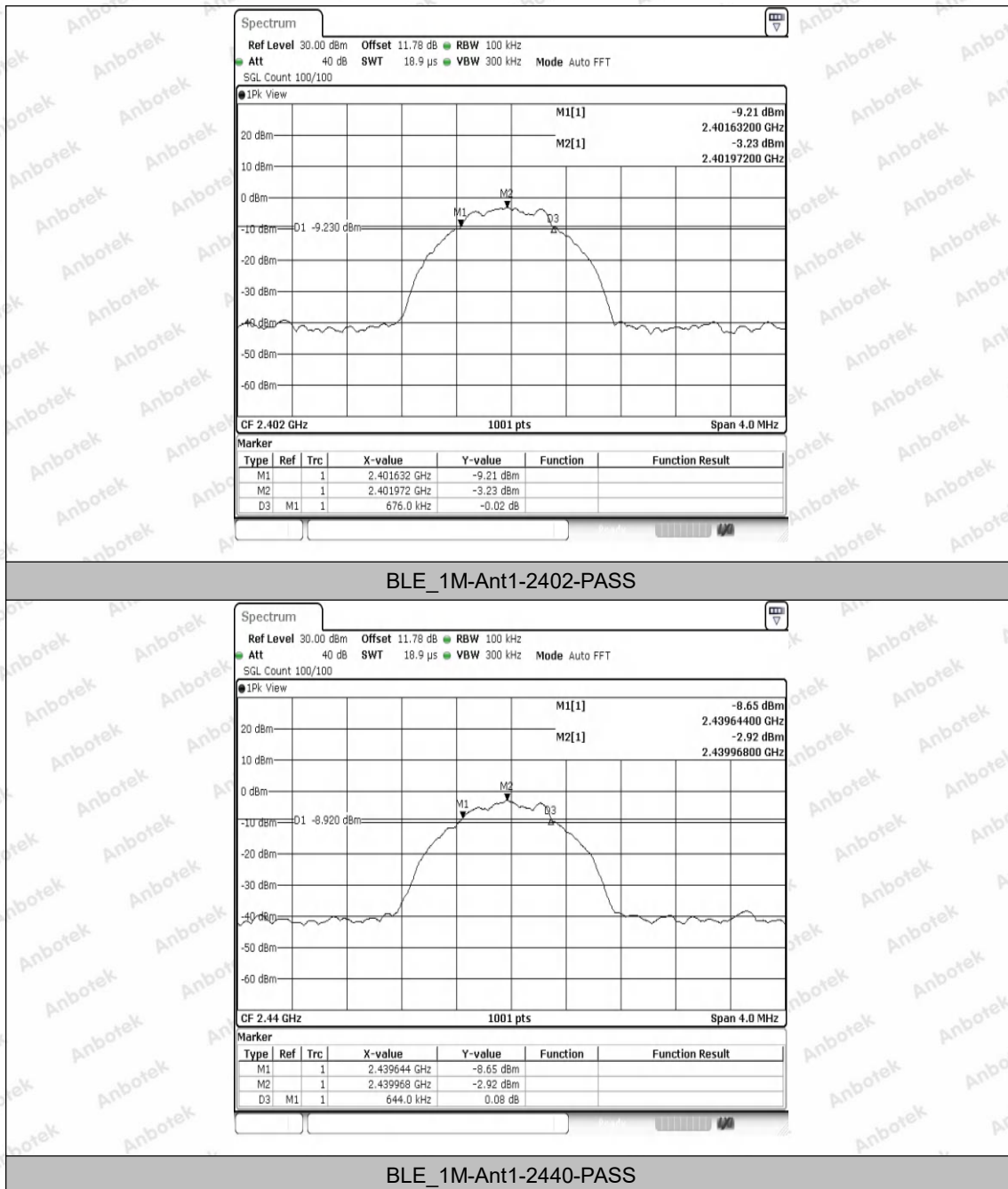
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.68	2401.63	2402.31	0.5	PASS
BLE_1M	Ant1	2440	0.64	2439.64	2440.29	0.5	PASS
BLE_1M	Ant1	2480	0.70	2479.62	2480.32	0.5	PASS
BLE_2M	Ant1	2402	1.34	2401.30	2402.64	0.5	PASS
BLE_2M	Ant1	2440	1.31	2439.30	2440.62	0.5	PASS
BLE_2M	Ant1	2480	1.28	2479.30	2480.58	0.5	PASS



Test Graphs



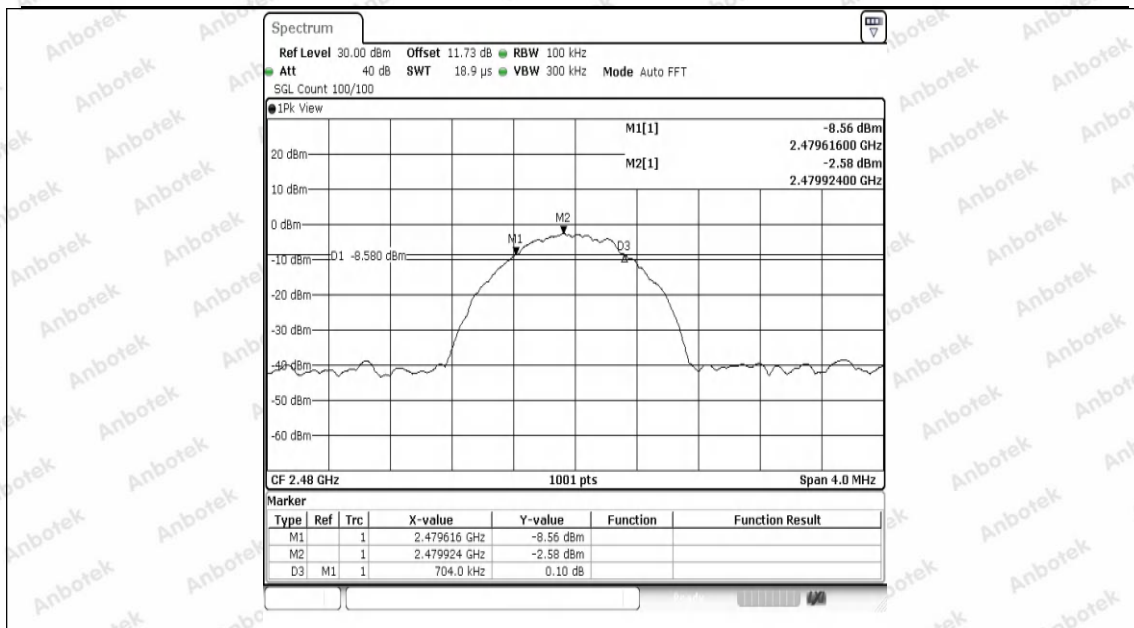
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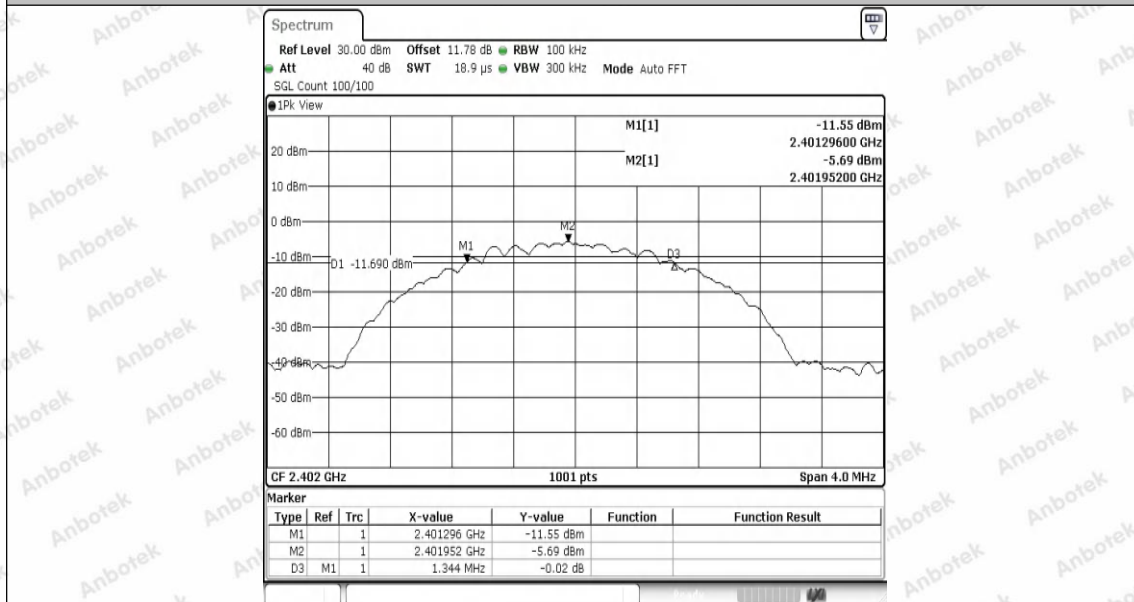


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BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS

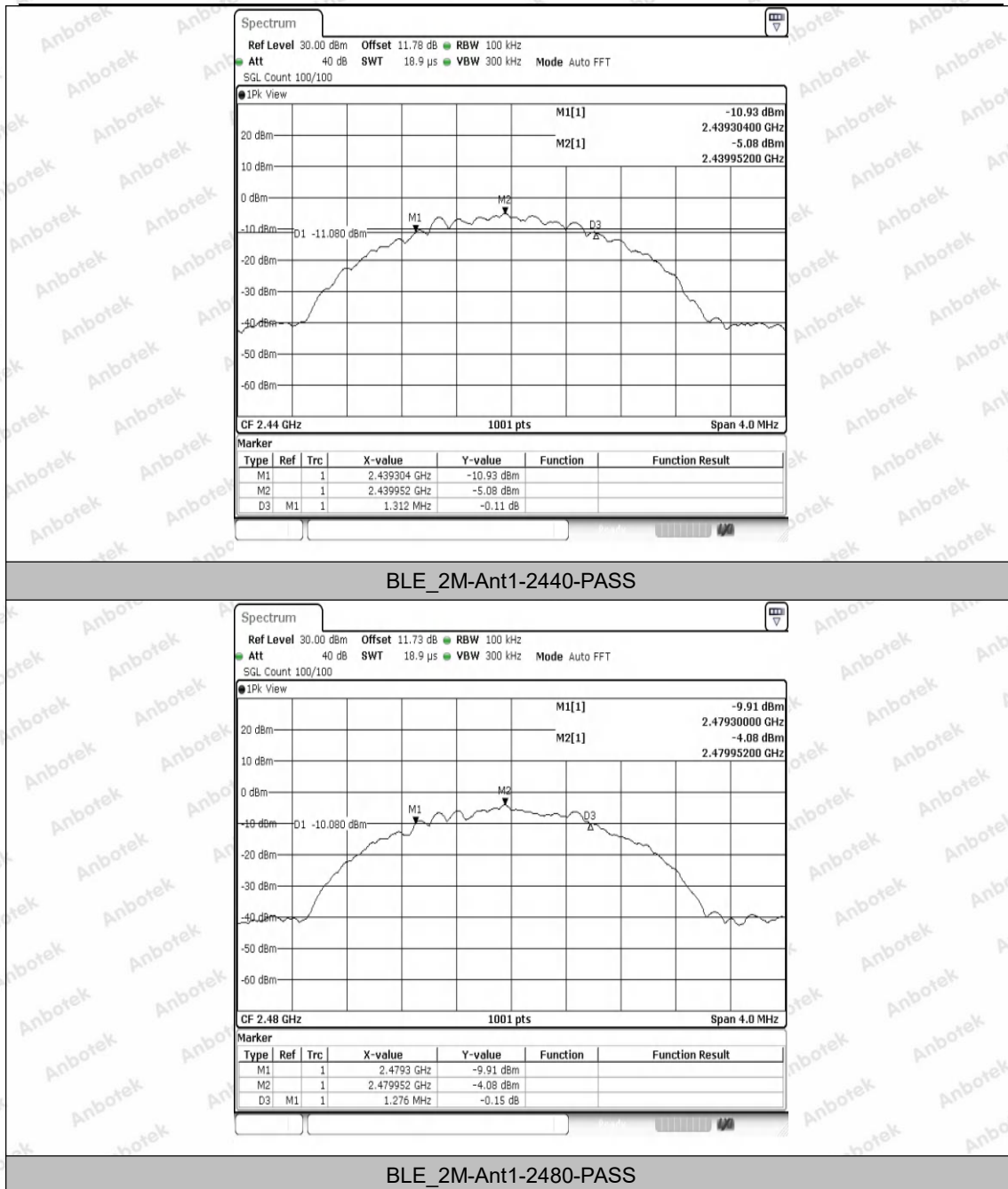
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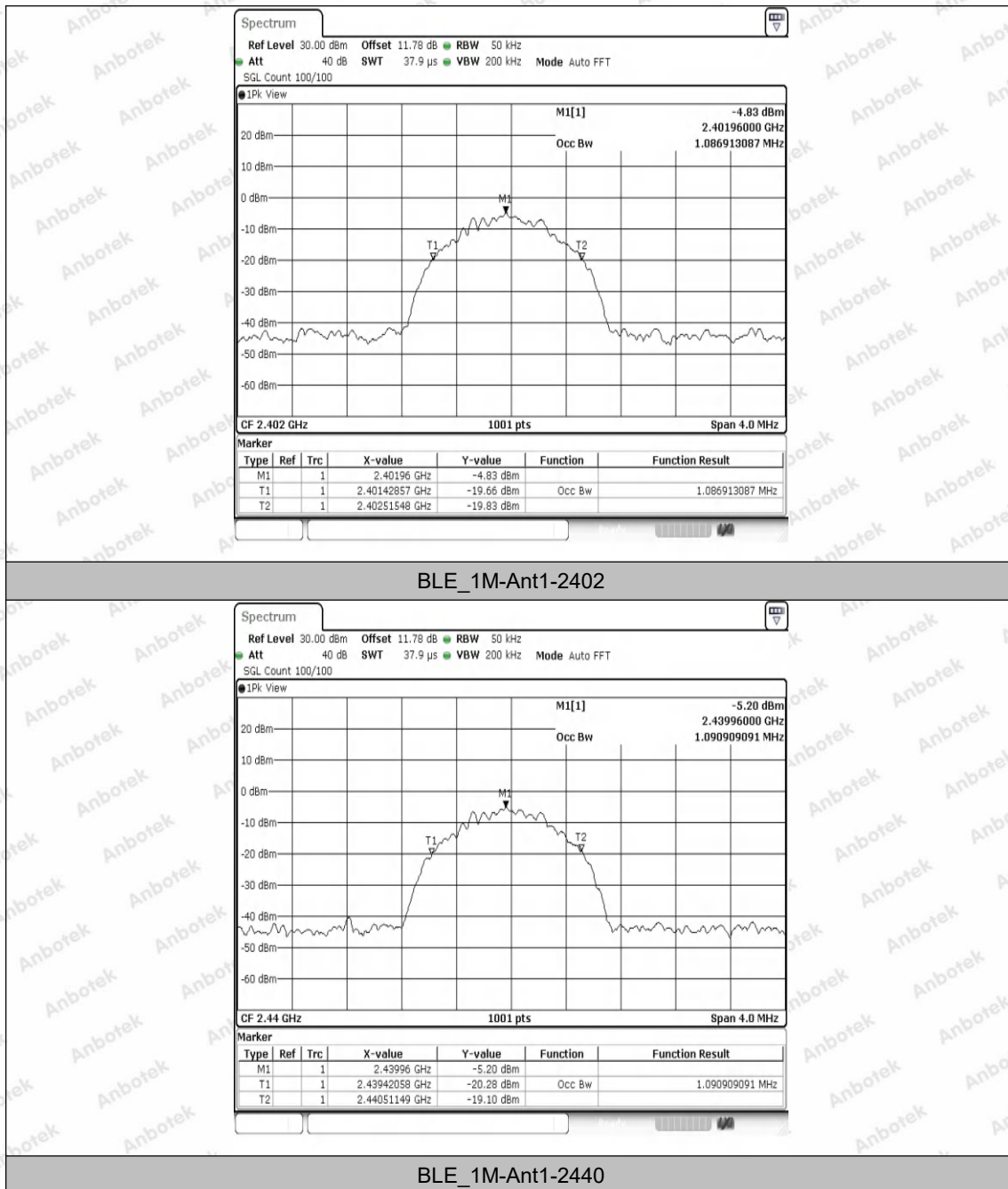
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.087	2401.4286	2402.5155	---	---
BLE_1M	Ant1	2440	1.091	2439.4206	2440.5115	---	---
BLE_1M	Ant1	2480	1.087	2479.4246	2480.5115	---	---
BLE_2M	Ant1	2402	2.126	2400.9211	2403.0470	---	---
BLE_2M	Ant1	2440	2.122	2438.9171	2441.0390	---	---
BLE_2M	Ant1	2480	2.122	2478.9131	2481.0350	---	---



Test Graphs



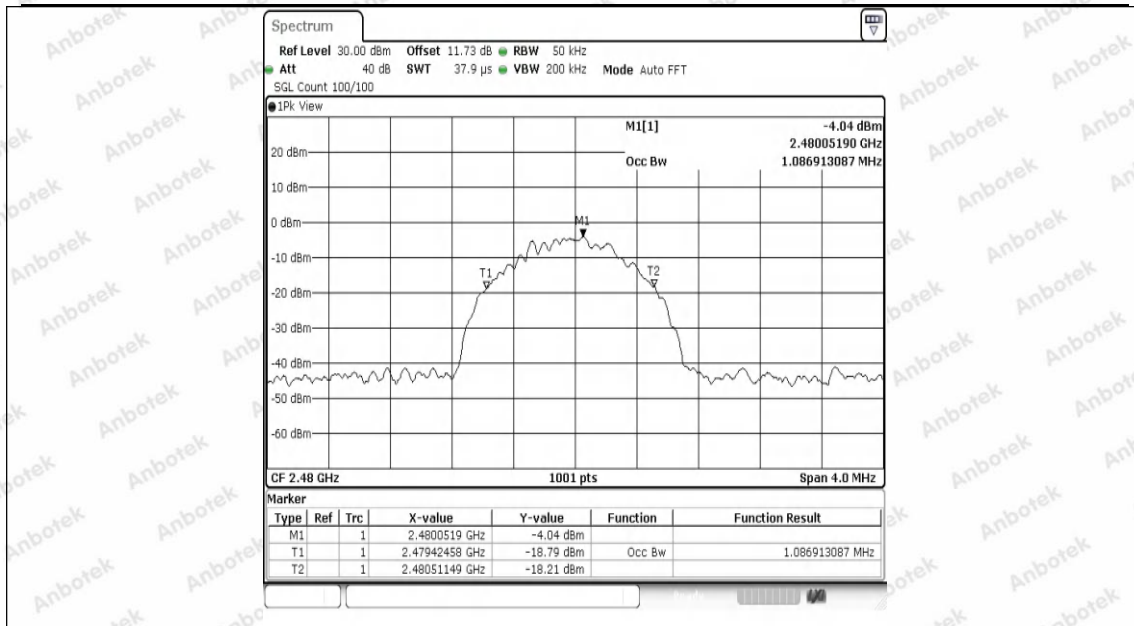
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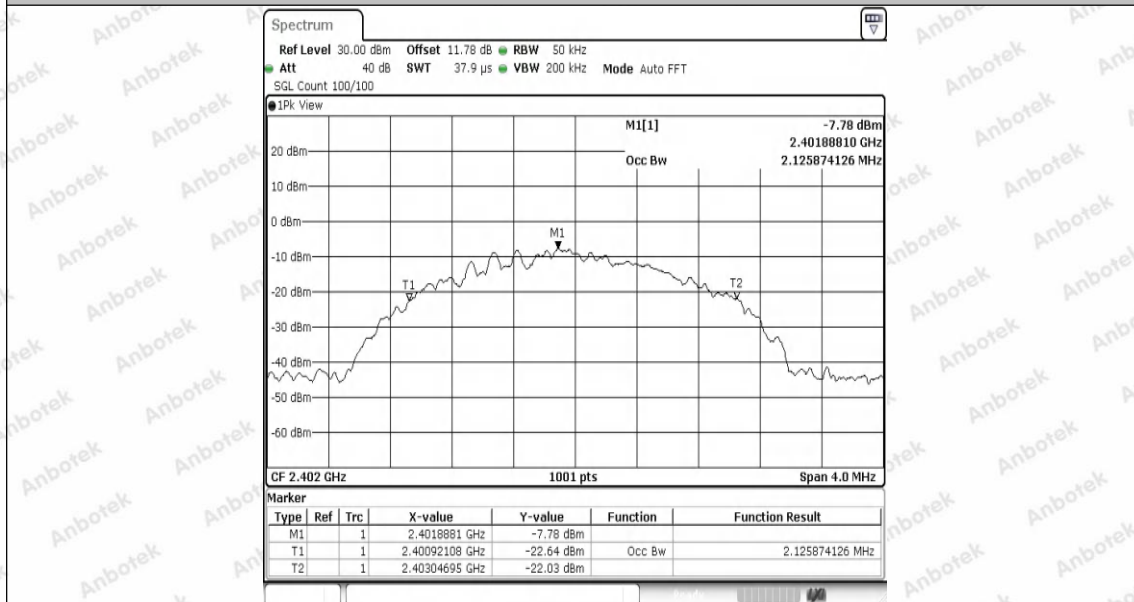


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BLE_1M-Ant1-2480



BLE_2M-Ant1-2402

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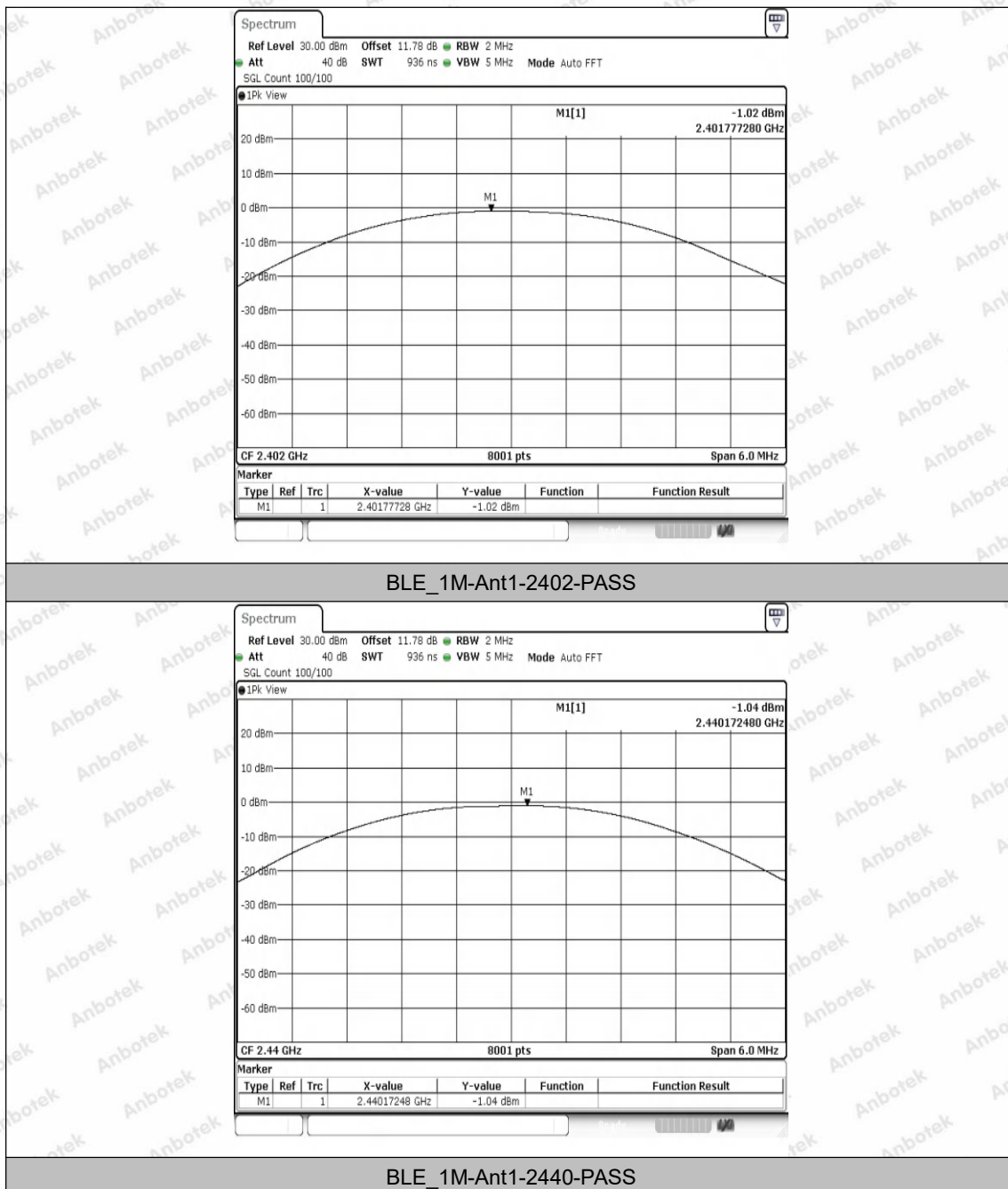
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.02	≤30	PASS
BLE_1M	Ant1	2440	-1.04	≤30	PASS
BLE_1M	Ant1	2480	-0.16	≤30	PASS
BLE_2M	Ant1	2402	-1.53	≤30	PASS
BLE_2M	Ant1	2440	-1.67	≤30	PASS
BLE_2M	Ant1	2480	-0.72	≤30	PASS



Test Graphs Peak



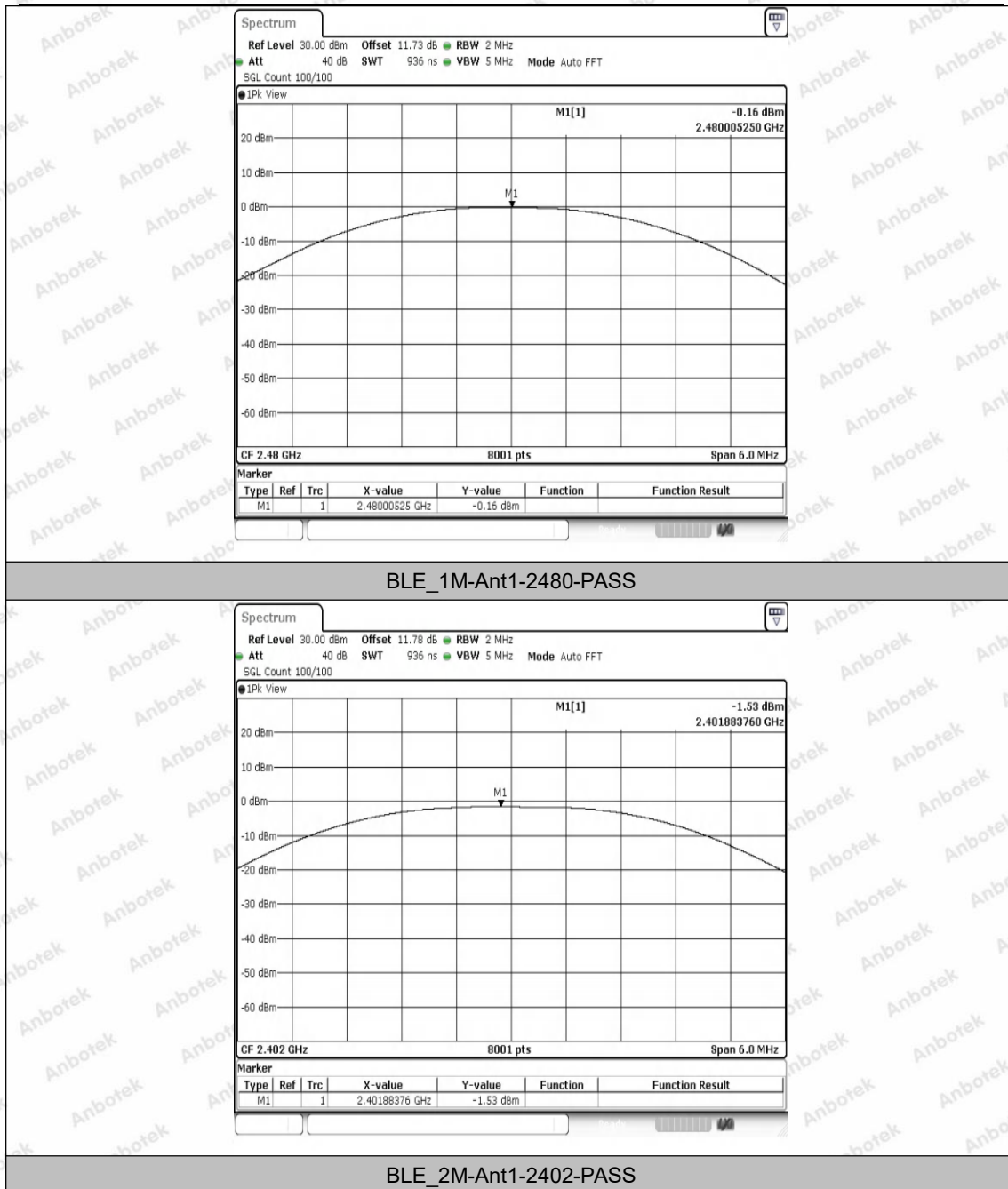
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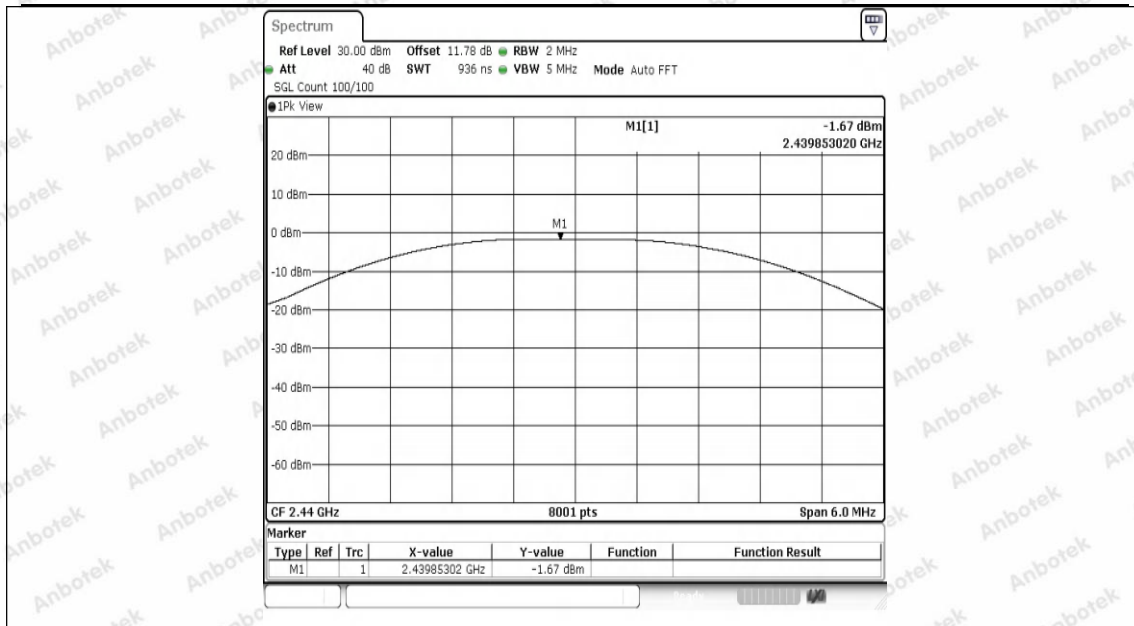
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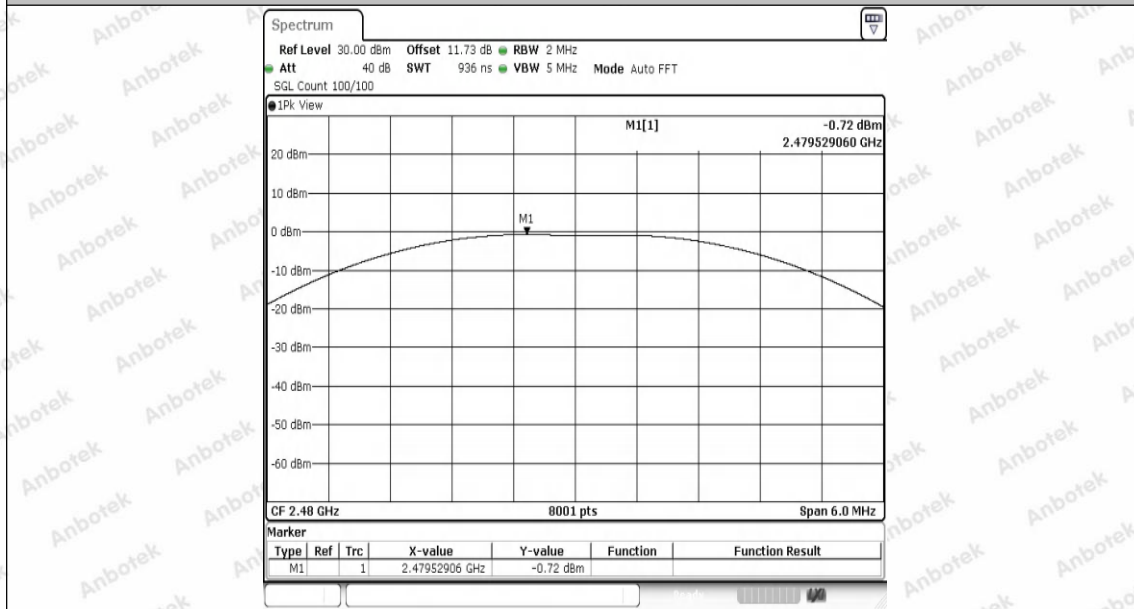


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BLE_2M-Ant1-2440-PASS



BLE_2M-Ant1-2480-PASS



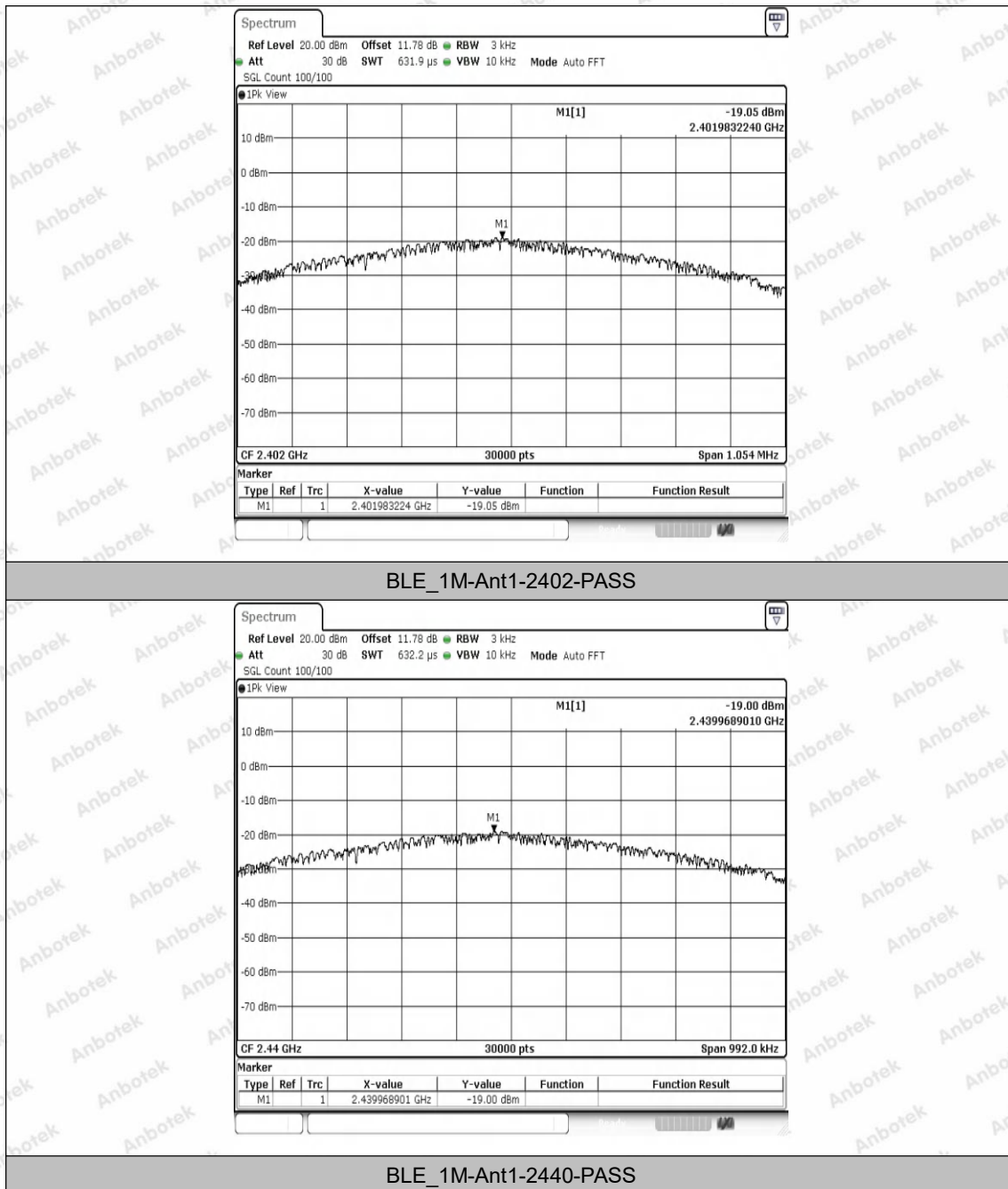
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-19.05	≤8.00	PASS
BLE_1M	Ant1	2440	-19.00	≤8.00	PASS
BLE_1M	Ant1	2480	-17.93	≤8.00	PASS
BLE_2M	Ant1	2402	-23.50	≤8.00	PASS
BLE_2M	Ant1	2440	-23.80	≤8.00	PASS
BLE_2M	Ant1	2480	-23.08	≤8.00	PASS



Test Graphs



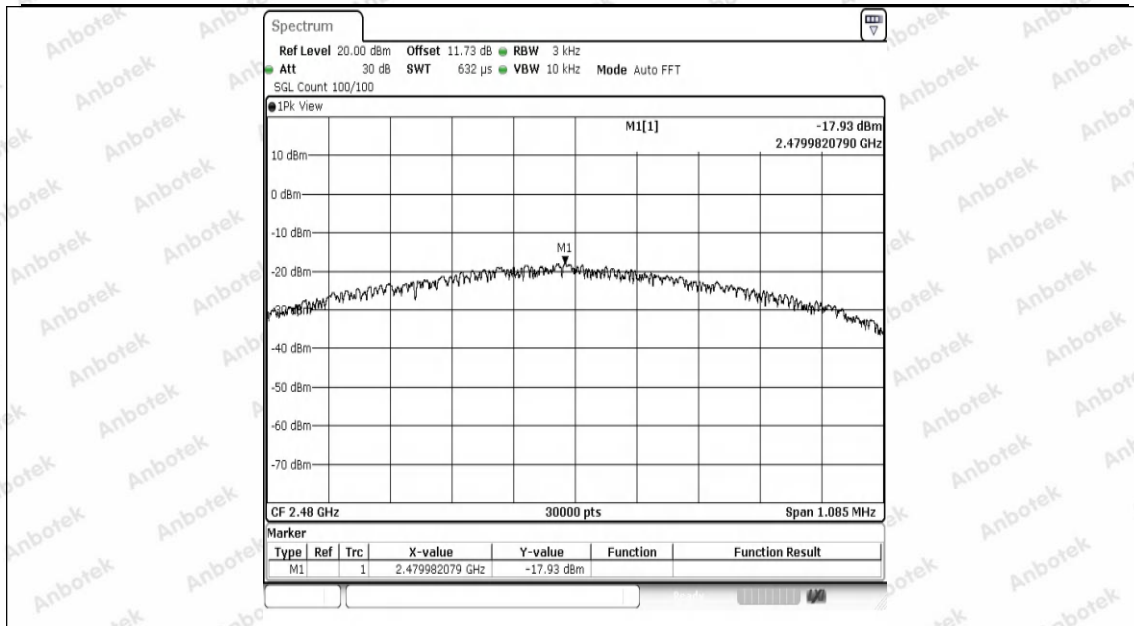
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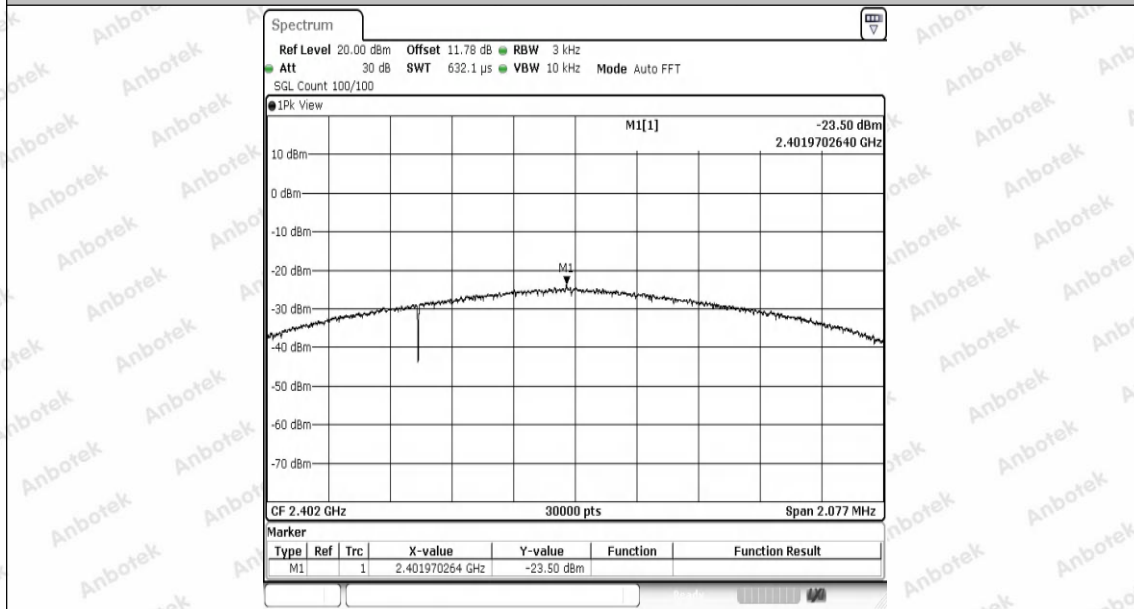


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BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS

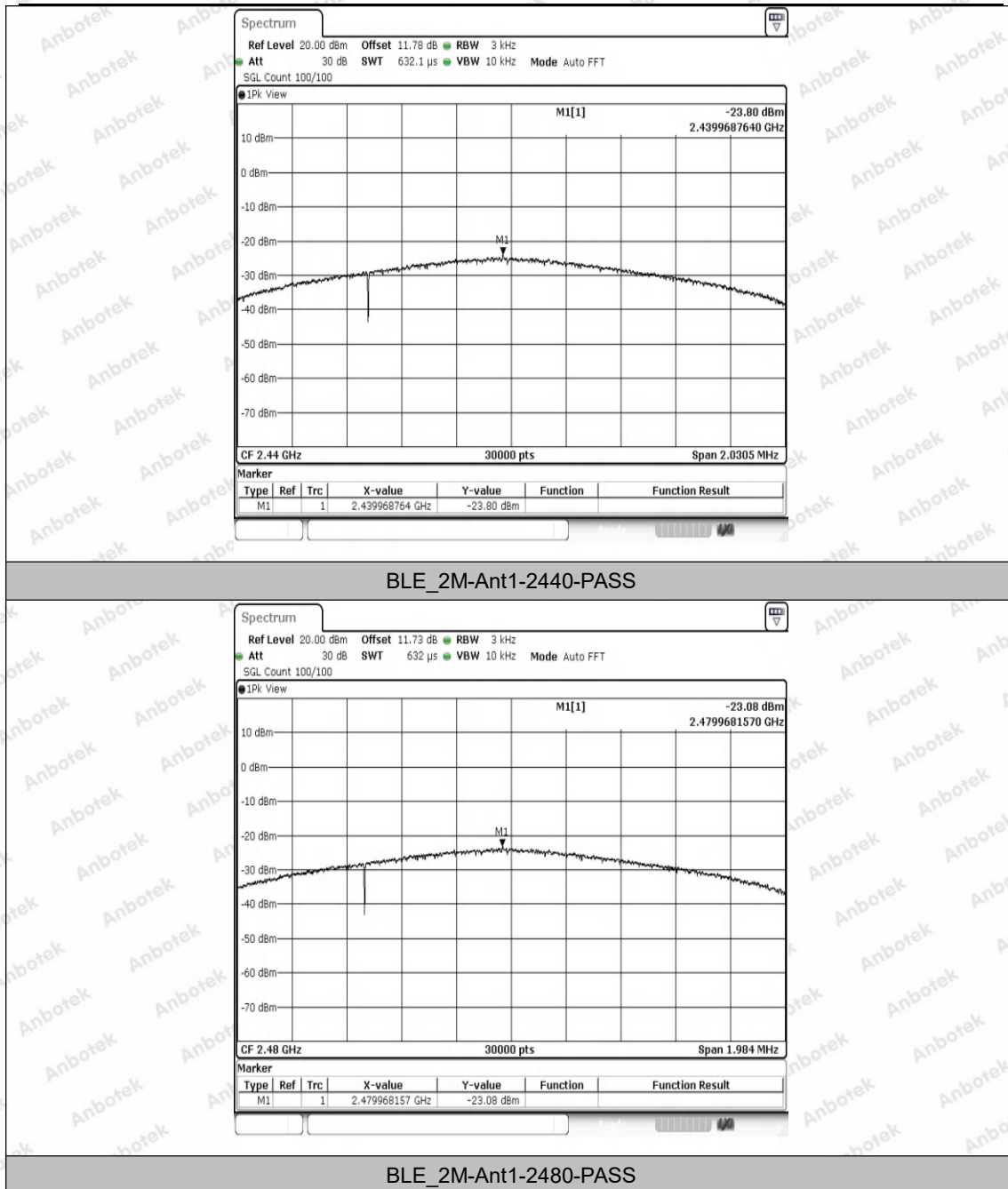
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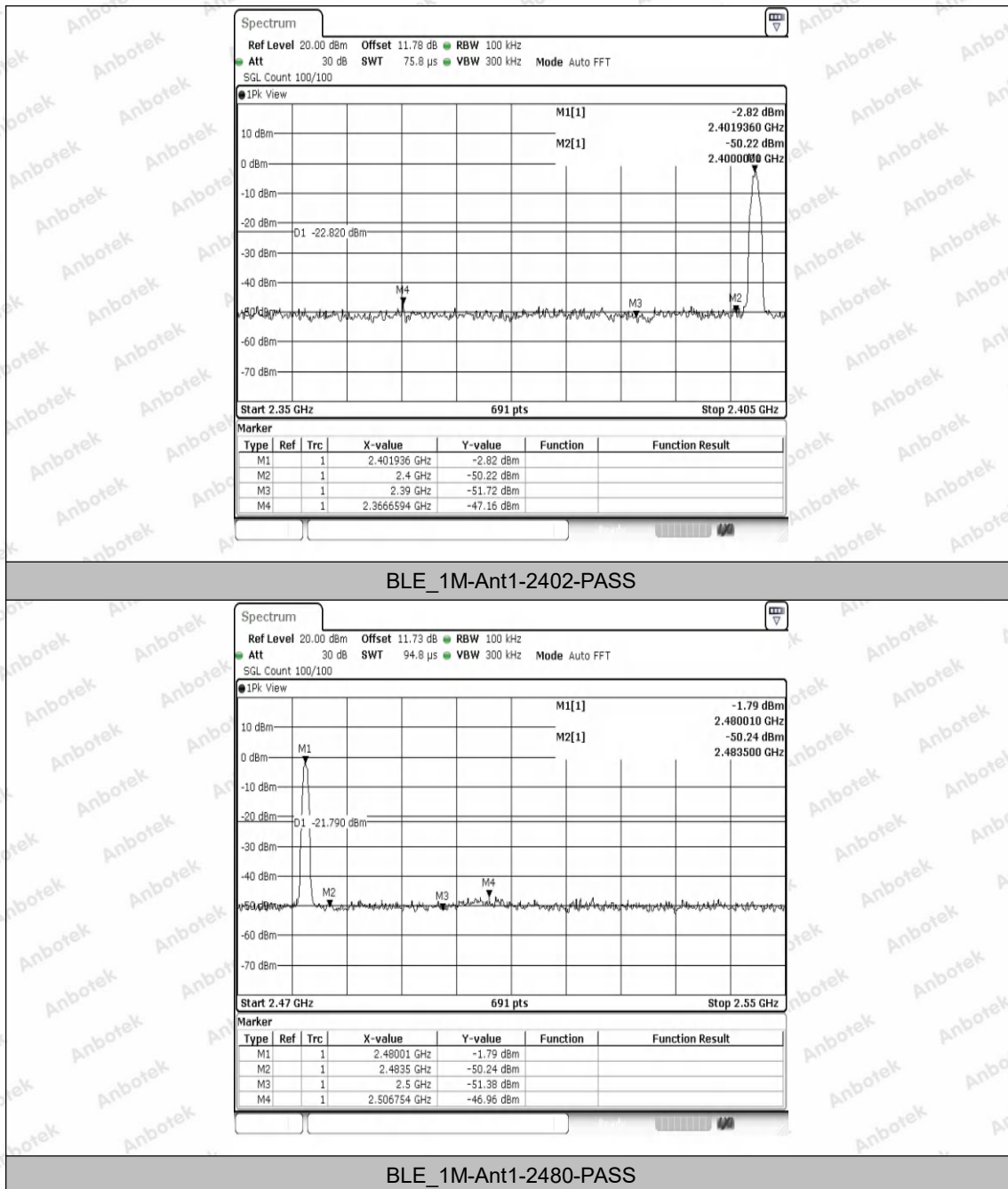
Appendix F: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.82	-47.16	≤-22.82	PASS
BLE_1M	Ant1	High	2480	-1.79	-46.96	≤-21.79	PASS
BLE_2M	Ant1	Low	2402	-4.89	-47.91	≤-24.89	PASS
BLE_2M	Ant1	High	2480	-4.43	-46.26	≤-24.43	PASS



Test Graphs



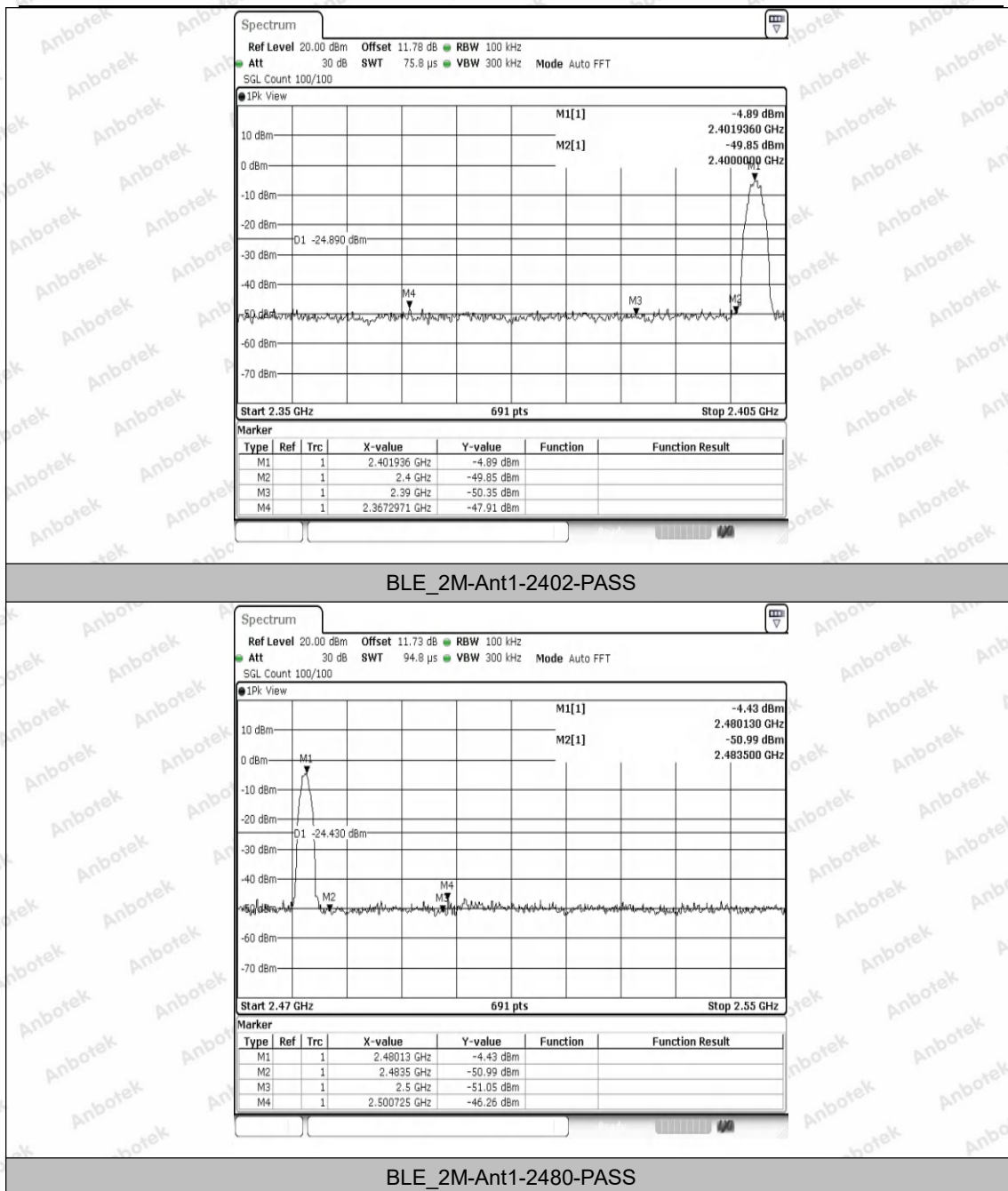
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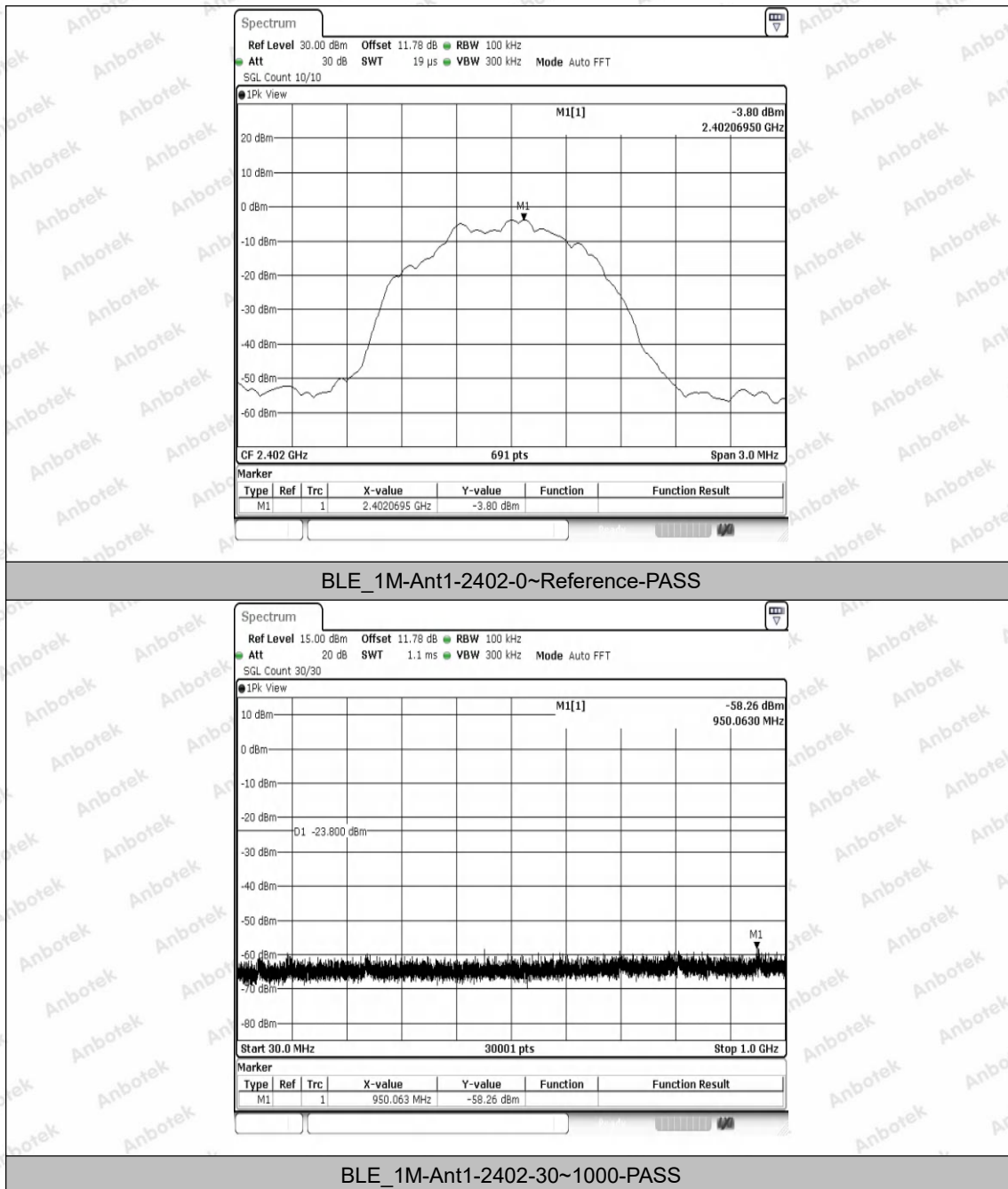
Appendix G: Conducted Spurious Emission

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	-3.80	-3.80	---	PASS
BLE_1M	Ant1	2402	30~1000	-3.80	-58.26	≤-23.8	PASS
BLE_1M	Ant1	2402	1000~26500	-3.80	-44.17	≤-23.8	PASS
BLE_1M	Ant1	2440	0~Referenc e	-4.56	-4.56	---	PASS
BLE_1M	Ant1	2440	30~1000	-4.56	-57.9	≤-24.56	PASS
BLE_1M	Ant1	2440	1000~26500	-4.56	-42.9	≤-24.56	PASS
BLE_1M	Ant1	2480	0~Referenc e	-2.84	-2.84	---	PASS
BLE_1M	Ant1	2480	30~1000	-2.84	-58.78	≤-22.84	PASS
BLE_1M	Ant1	2480	1000~26500	-2.84	-44.2	≤-22.84	PASS
BLE_2M	Ant1	2402	0~Referenc e	-5.36	-5.36	---	PASS
BLE_2M	Ant1	2402	30~1000	-5.36	-58.14	≤-25.36	PASS
BLE_2M	Ant1	2402	1000~26500	-5.36	-44.51	≤-25.36	PASS
BLE_2M	Ant1	2440	0~Referenc e	-6.20	-6.20	---	PASS
BLE_2M	Ant1	2440	30~1000	-6.20	-57.79	≤-26.2	PASS
BLE_2M	Ant1	2440	1000~26500	-6.20	-43.95	≤-26.2	PASS
BLE_2M	Ant1	2480	0~Referenc e	-5.58	-5.58	---	PASS
BLE_2M	Ant1	2480	30~1000	-5.58	-58.61	≤-25.58	PASS
BLE_2M	Ant1	2480	1000~26500	-5.58	-43.72	≤-25.58	PASS



Test Graphs



BLE_1M-Ant1-2402-30~1000-PASS

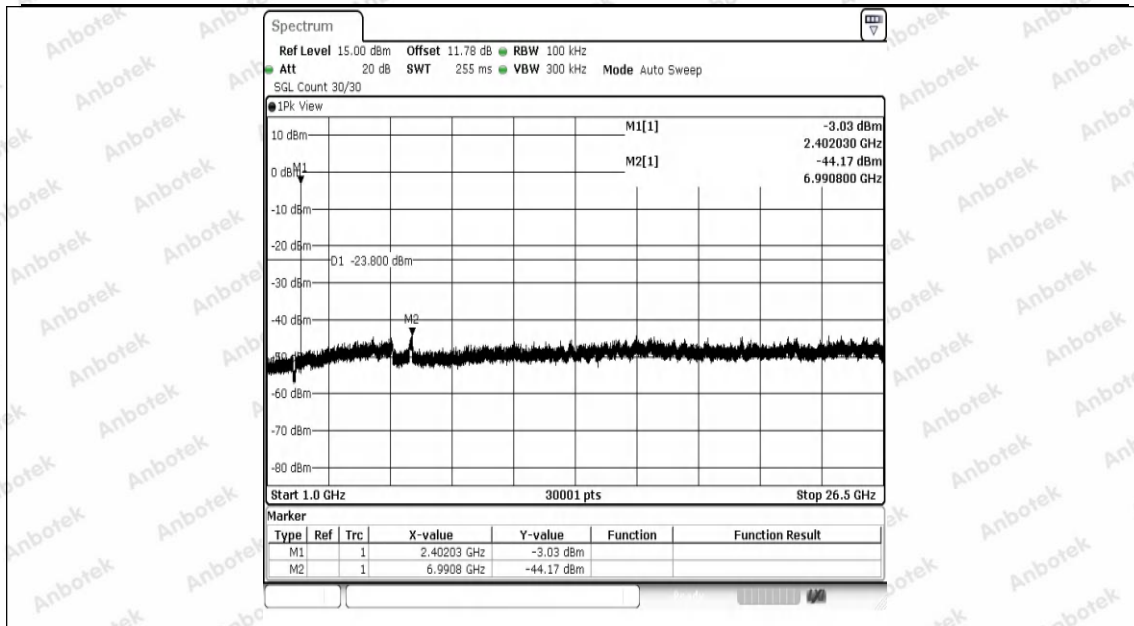
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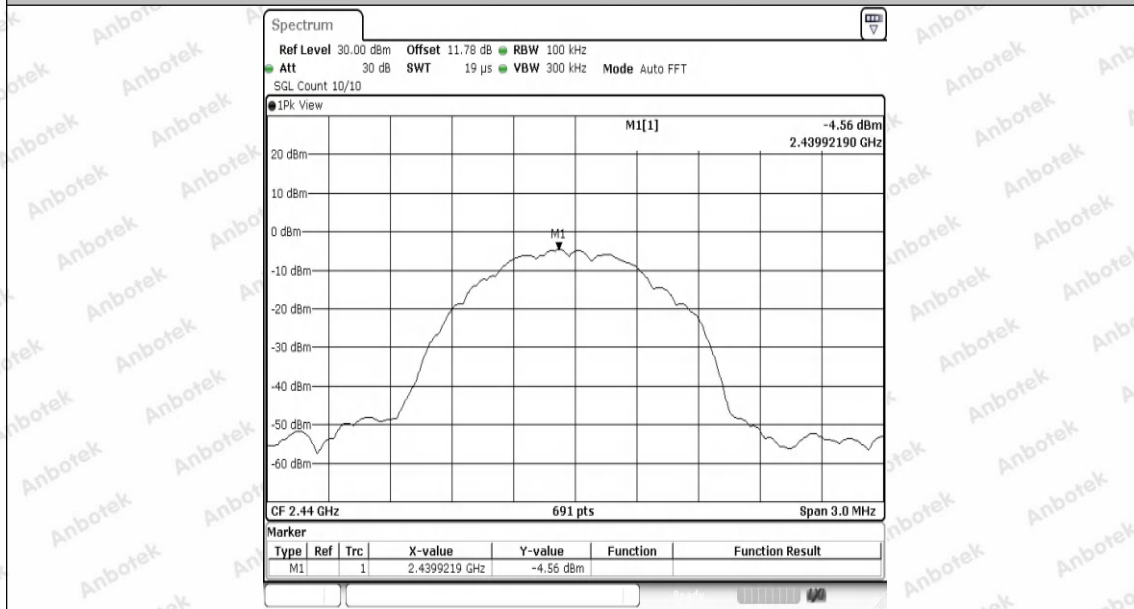


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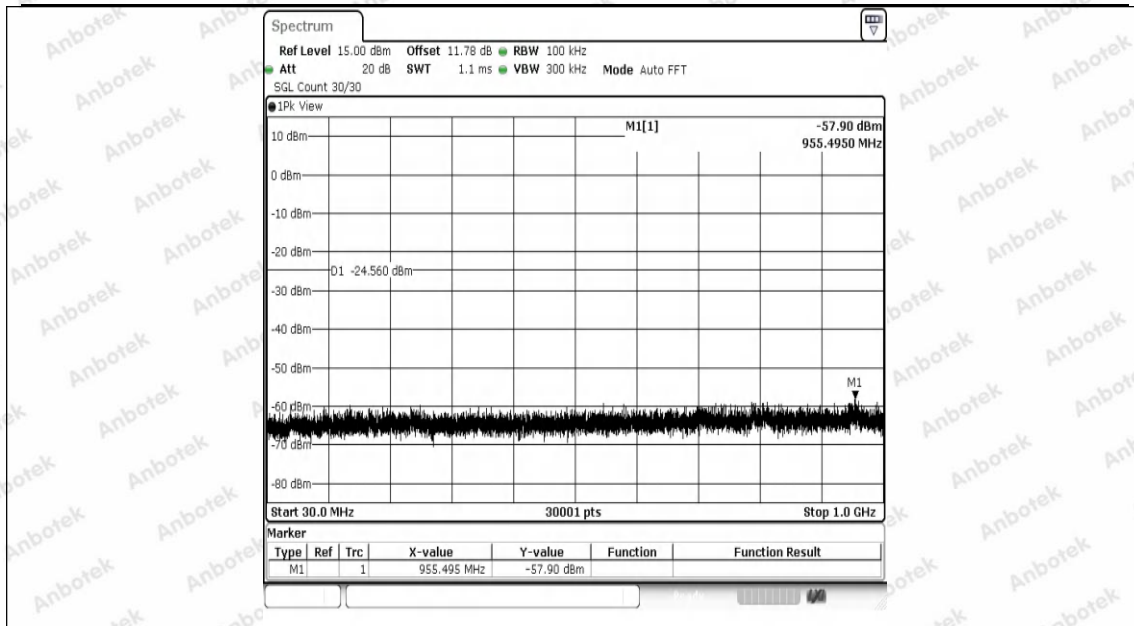


BLE_1M-Ant1-2402-1000~26500-PASS

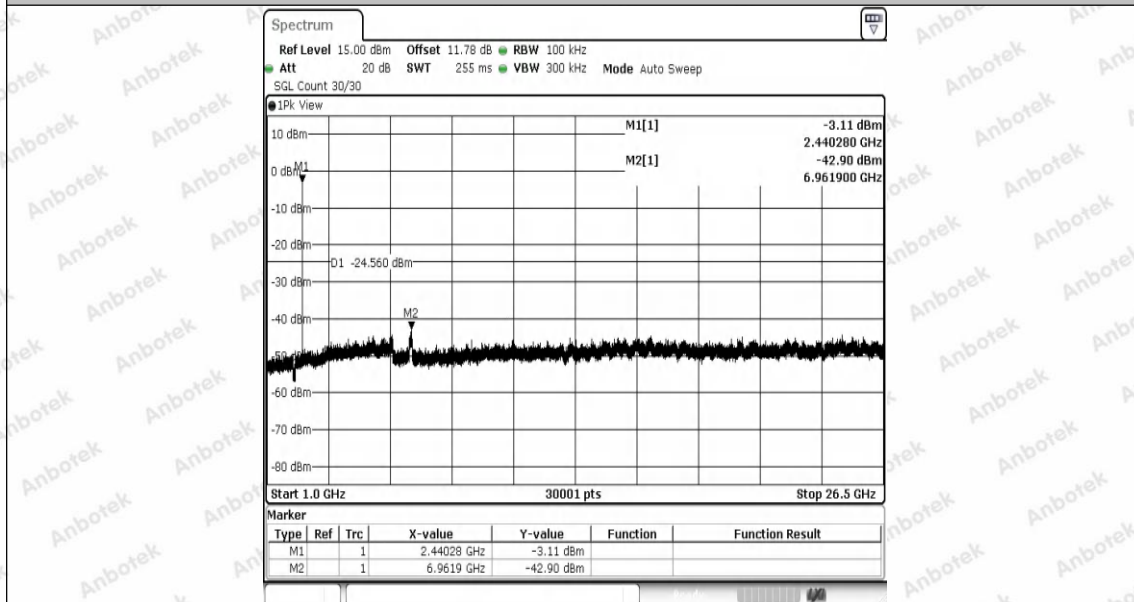


BLE_1M-Ant1-2440-0~Reference-PASS





BLE_1M-Ant1-2440-30~1000-PASS



BLE_1M-Ant1-2440-1000~26500-PASS

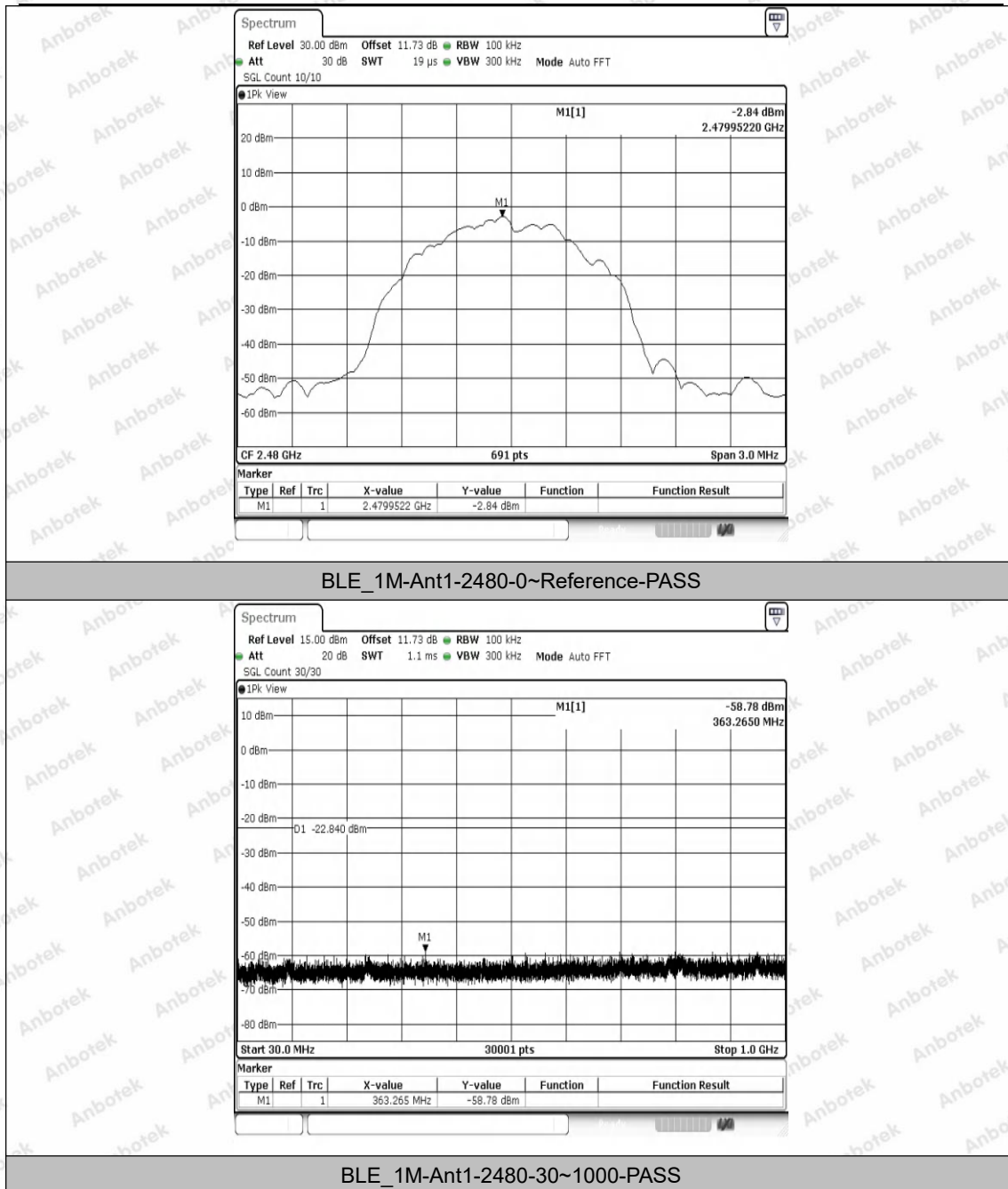
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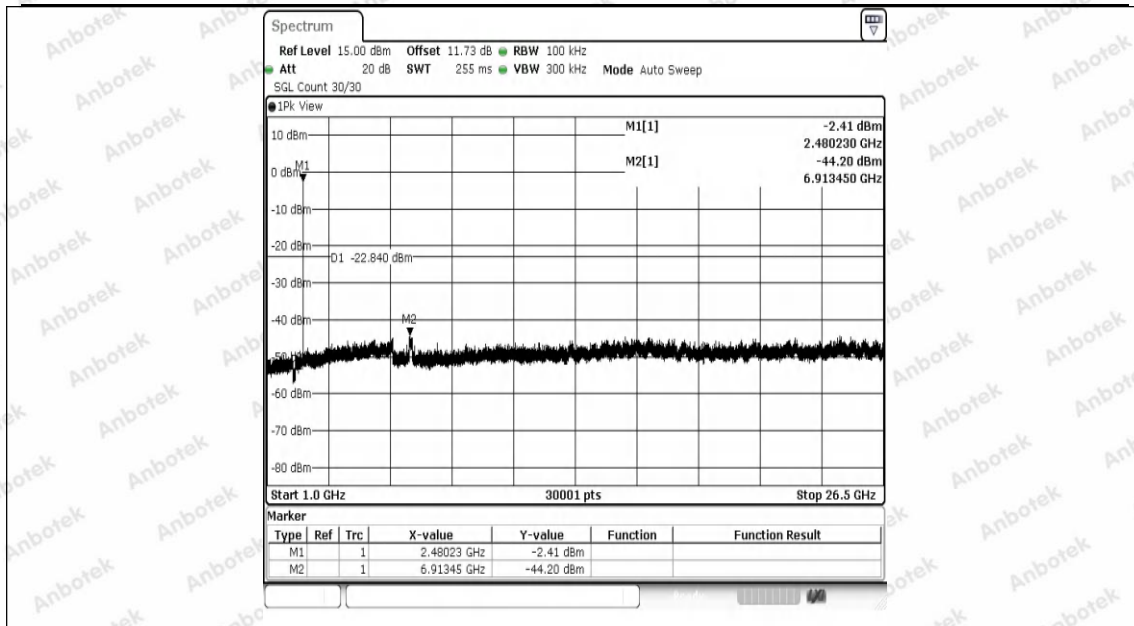
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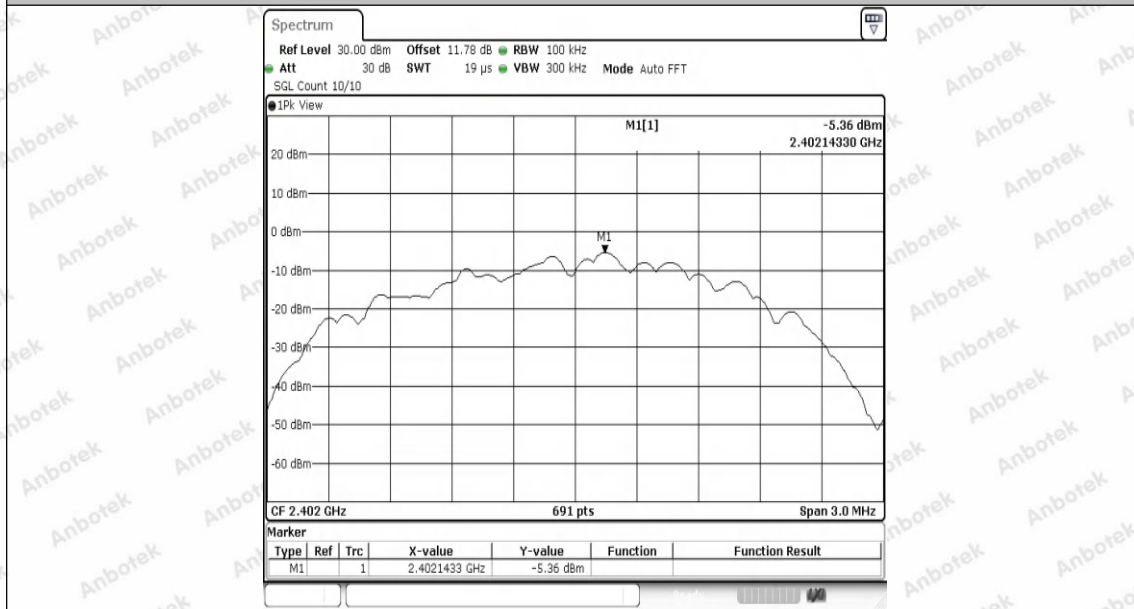


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BLE_1M-Ant1-2480-1000~26500-PASS



BLE_2M-Ant1-2402-0~Reference-PASS

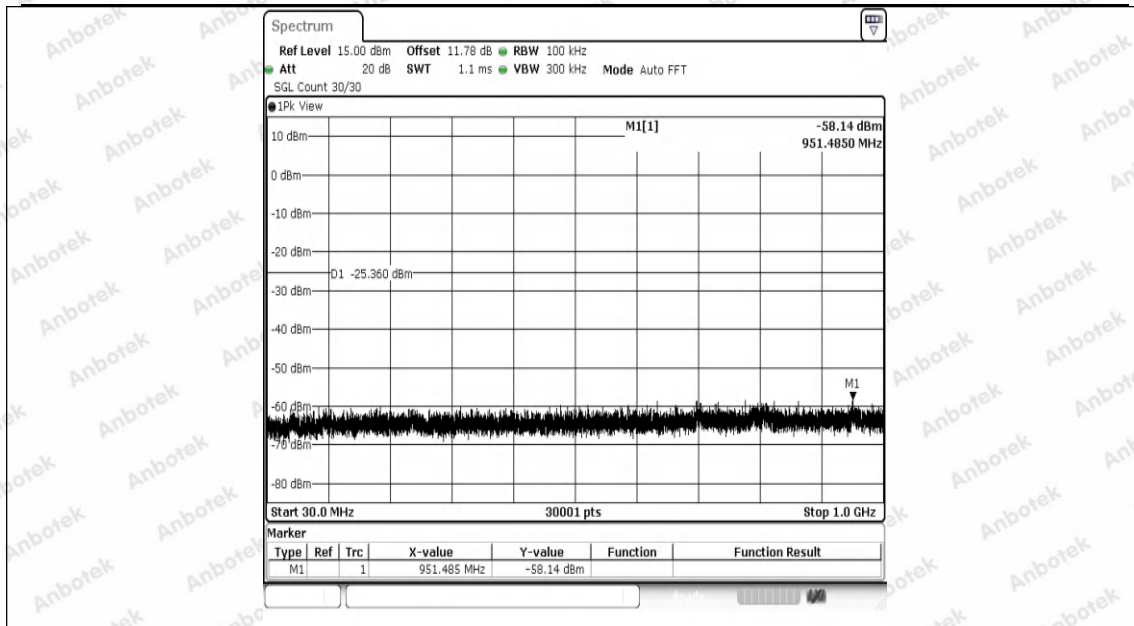
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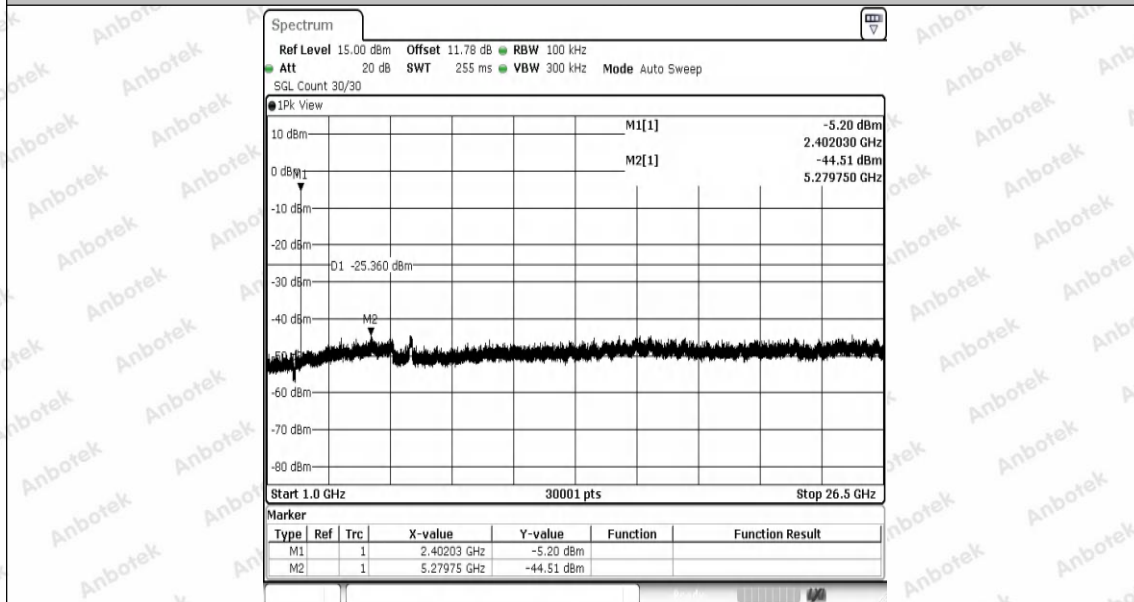


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BLE_2M-Ant1-2402-30~1000-PASS



BLE_2M-Ant1-2402-1000~26500-PASS



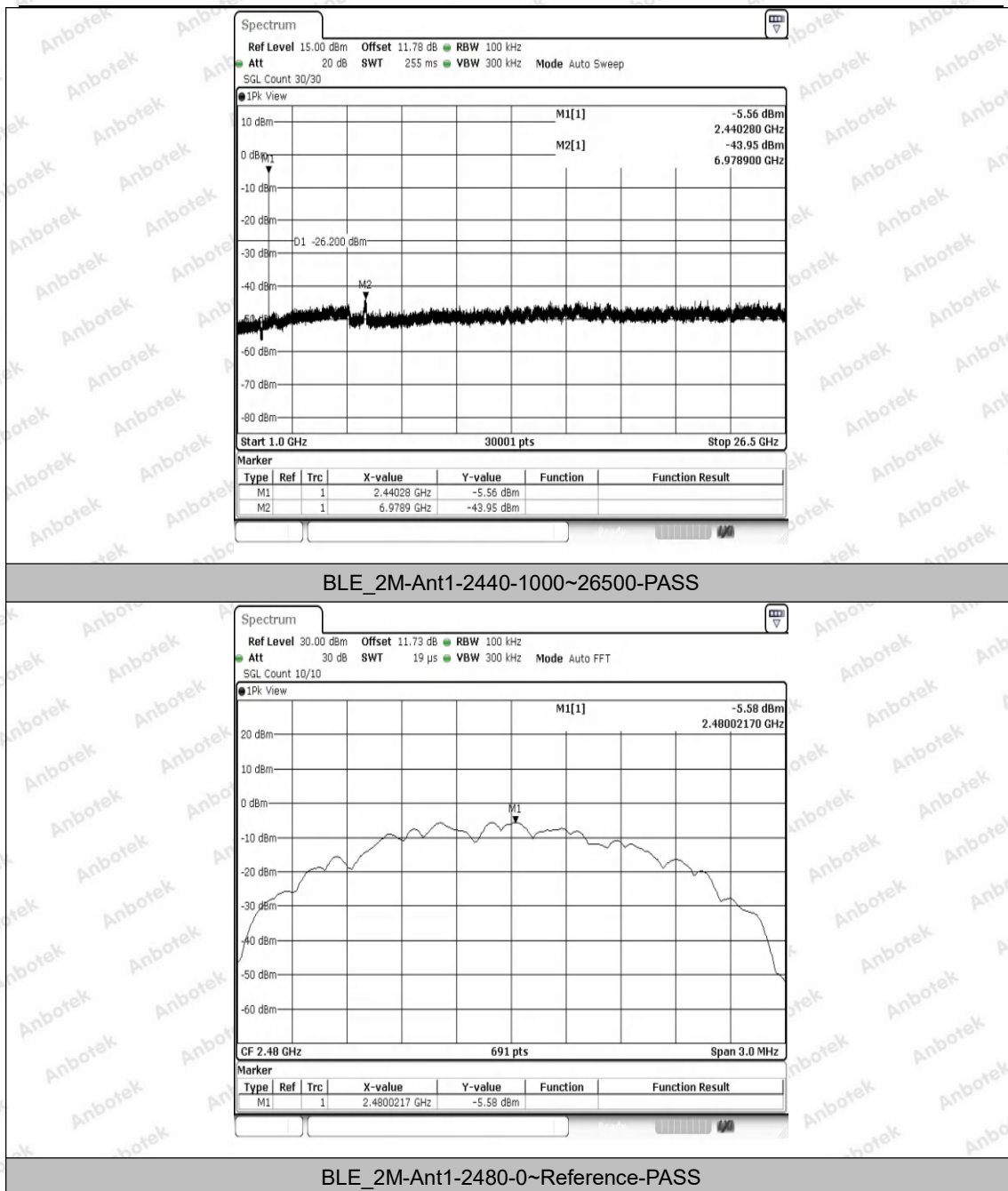
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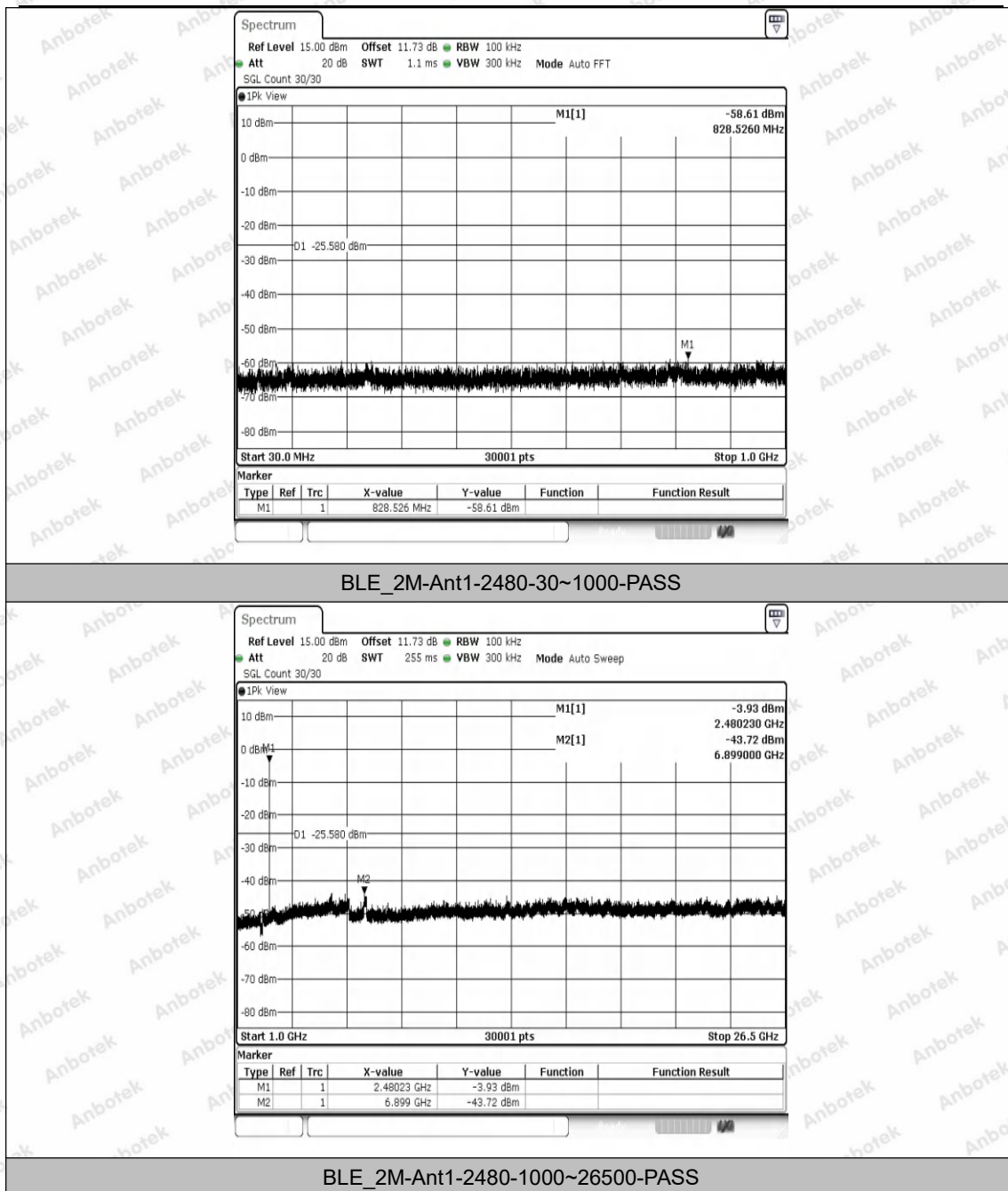
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