

Appendix Test Data

Report No.:	182512C400421101	Test Sample No.:	1-2-2
Start Test Date:	2024.08.26	Finish Test Date:	2024.08.26
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	24.9℃	Relative Humidity:	53%
Pressure:	101kPa		

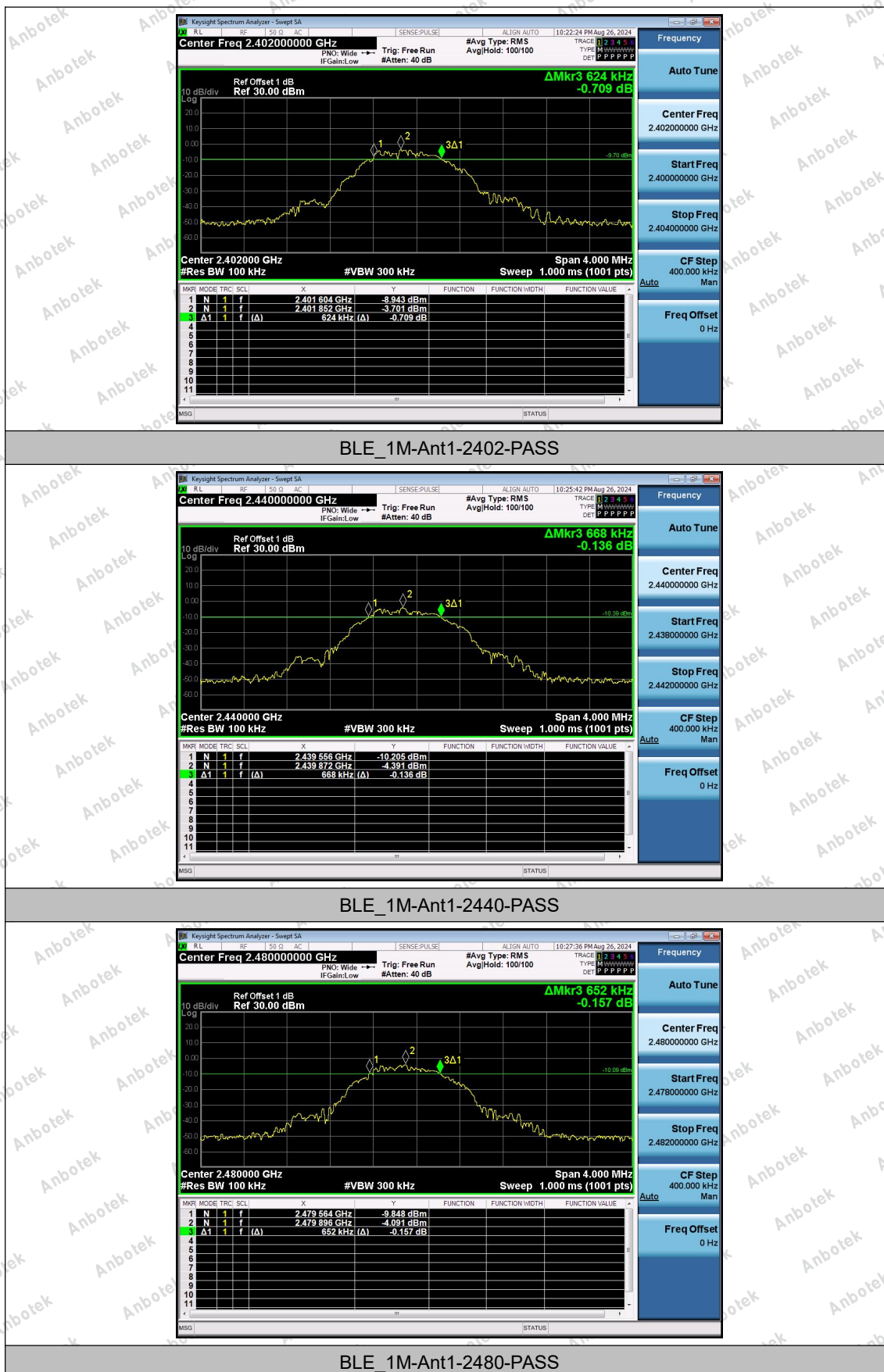
Appendix A: 6dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.624	2401.604	2402.228	0.5	PASS
BLE_1M	Ant1	2440	0.668	2439.556	2440.224	0.5	PASS
BLE_1M	Ant1	2480	0.652	2479.564	2480.216	0.5	PASS



Test Graphs



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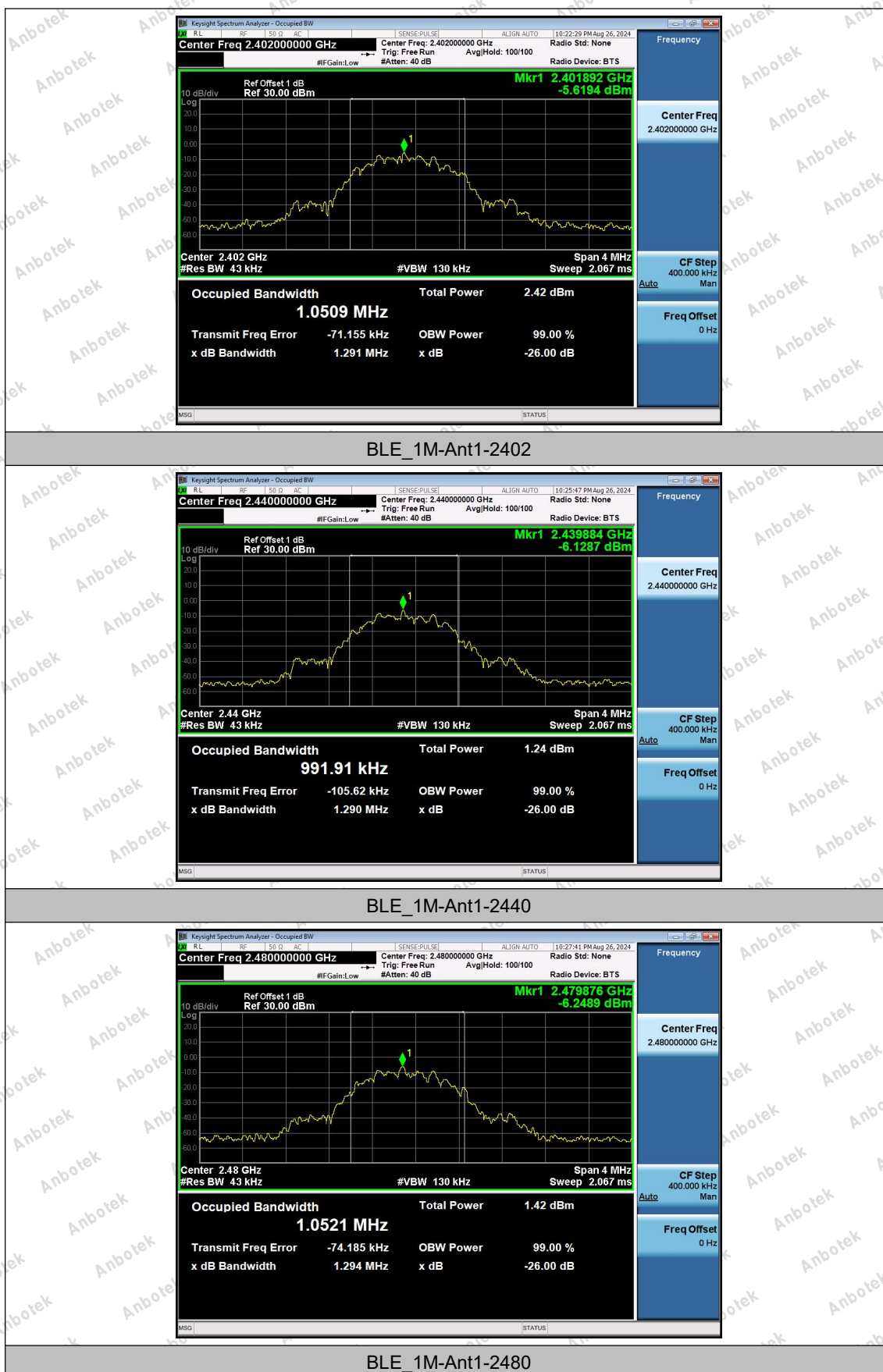
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0509	2401.4034	2402.4543	---	---
BLE_1M	Ant1	2440	0.99191	2439.3984	2440.3903	---	---
BLE_1M	Ant1	2480	1.0521	2479.3998	2480.4519	---	---



Test Graphs



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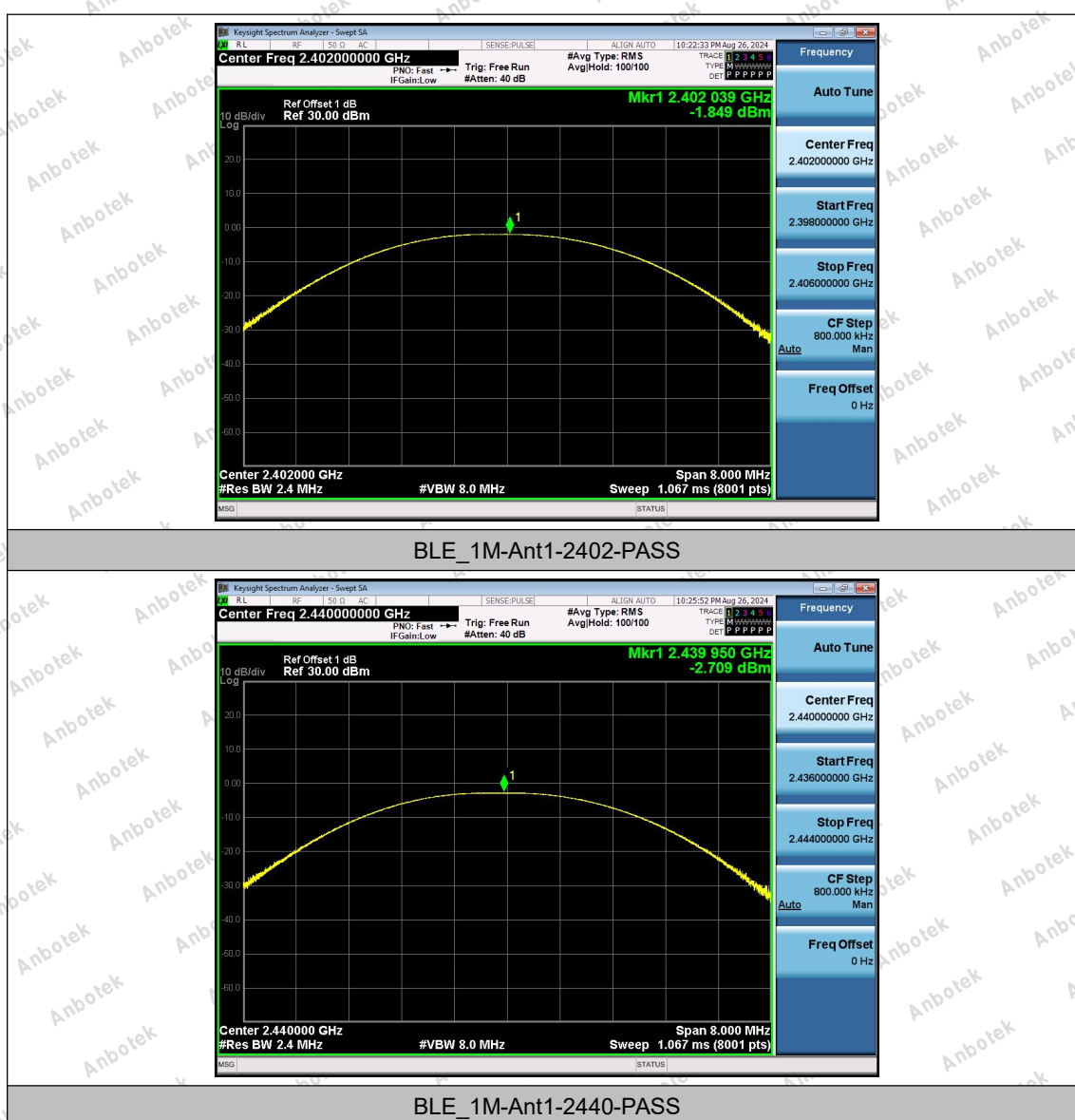


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.85	≤30	PASS
BLE_1M	Ant1	2440	-2.71	≤30	PASS
BLE_1M	Ant1	2480	-2.79	≤30	PASS

Test Graphs Peak



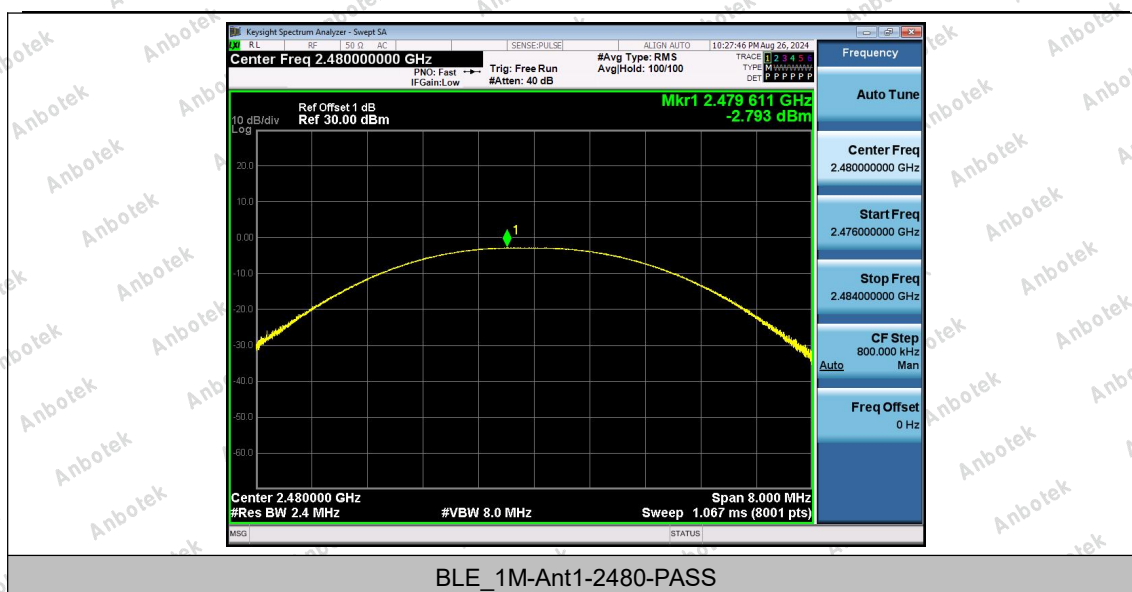
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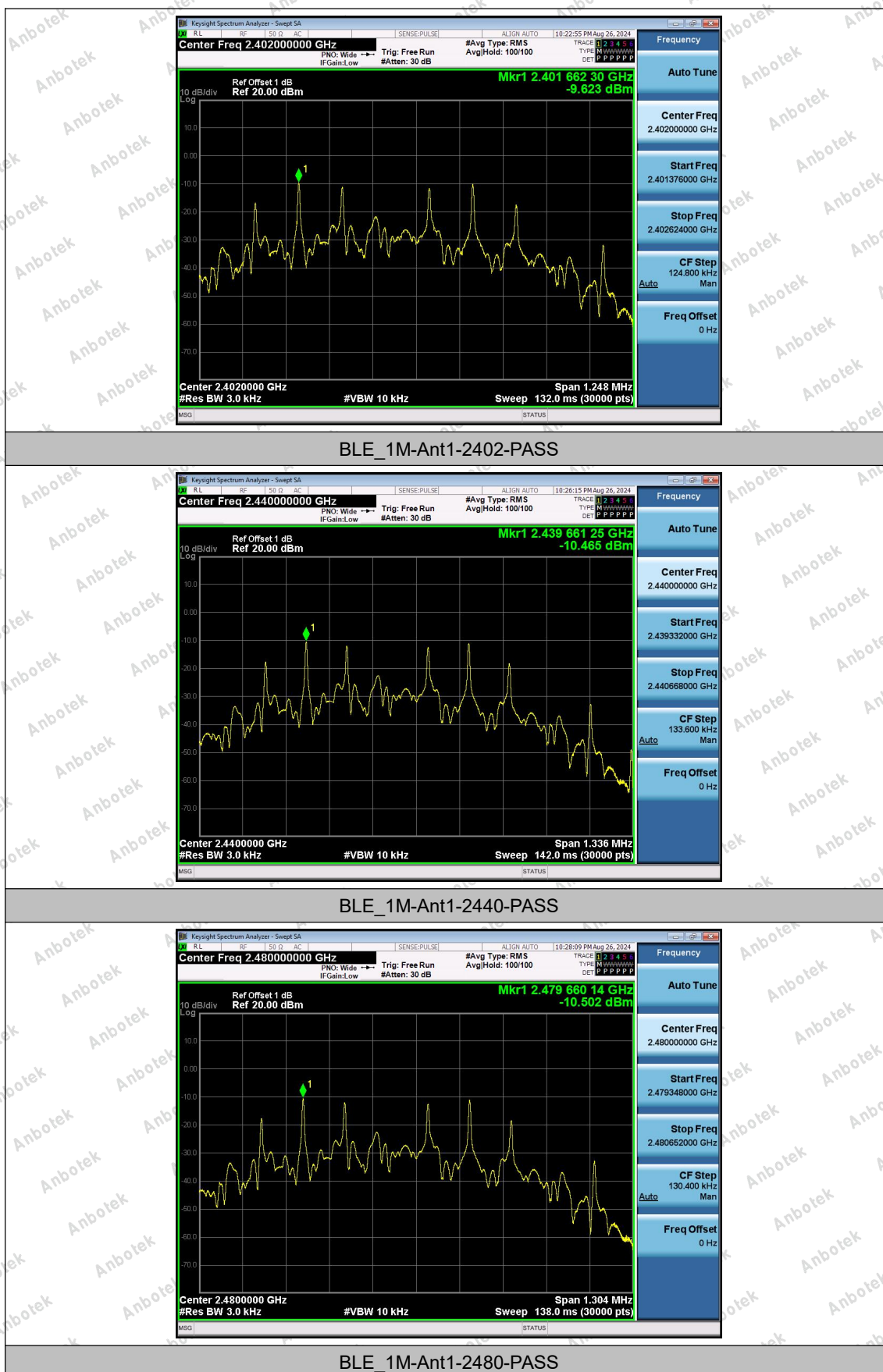
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.62	≤8.00	PASS
BLE_1M	Ant1	2440	-10.47	≤8.00	PASS
BLE_1M	Ant1	2480	-10.50	≤8.00	PASS



Test Graphs



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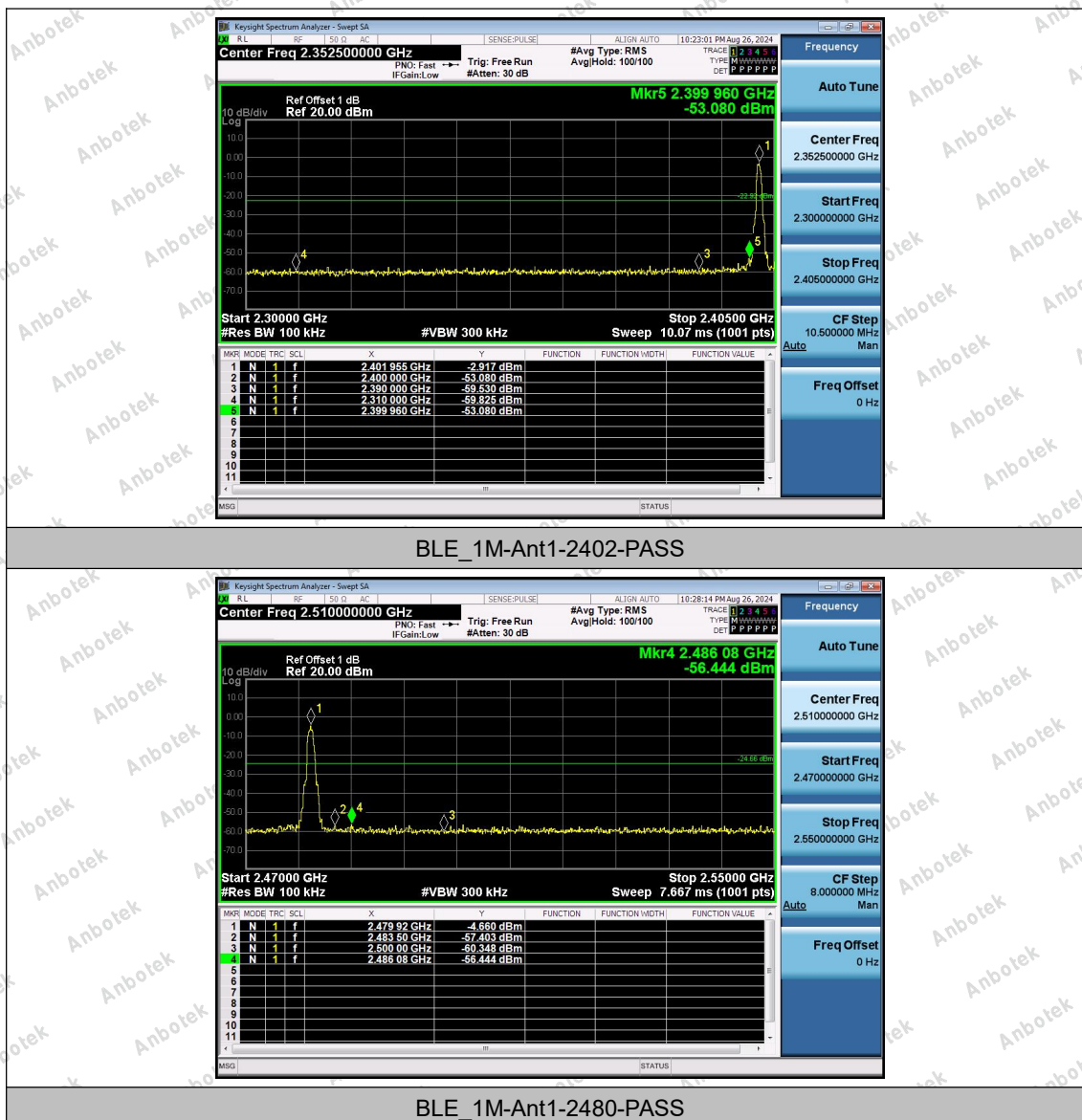
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.92	-53.08	≤-22.92	PASS
BLE_1M	Ant1	High	2480	-4.66	-56.44	≤-24.66	PASS



Test Graphs



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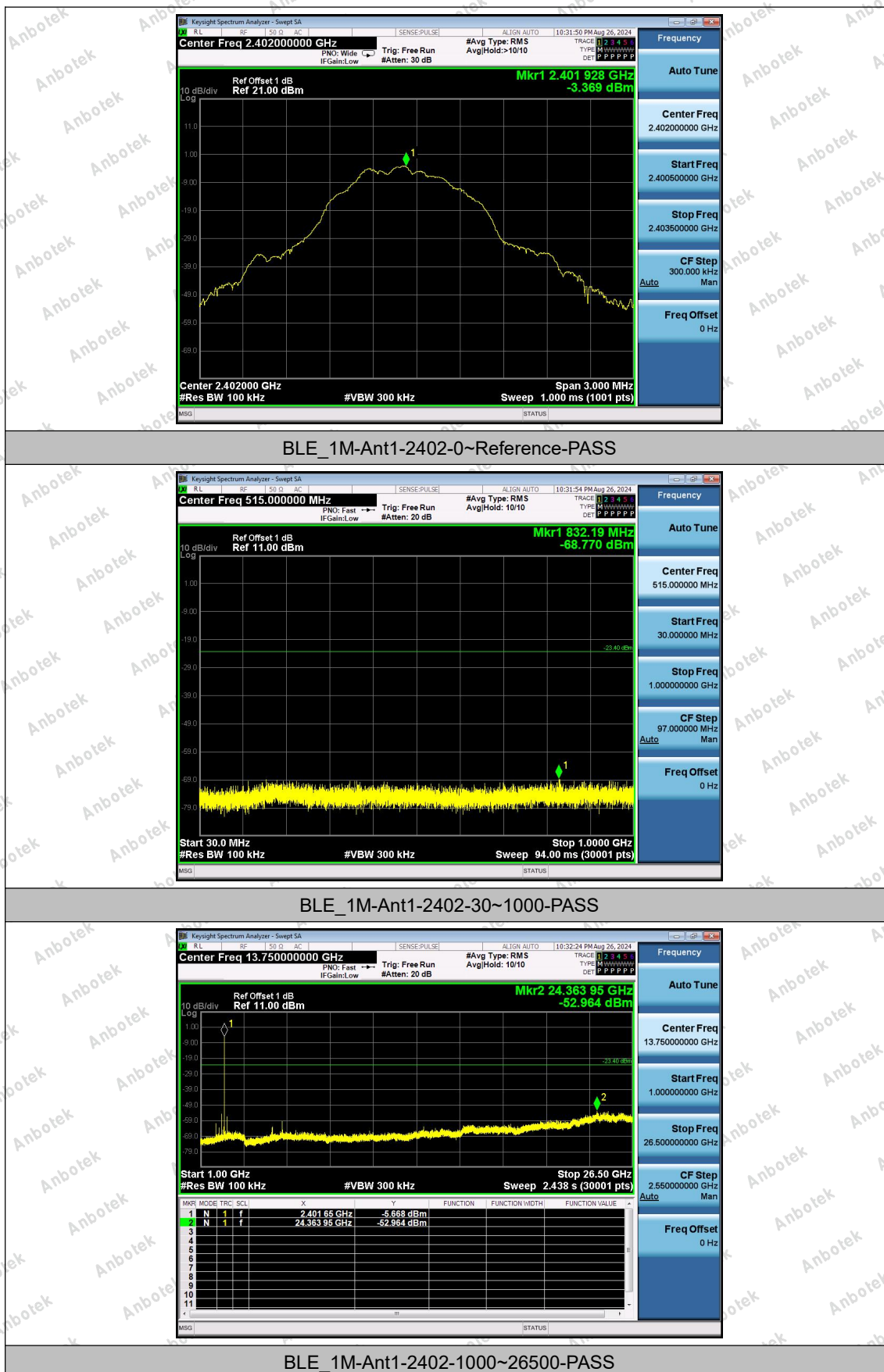
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-3.40	-3.40	---	PASS
BLE_1M	Ant1	2402	30~1000	-3.40	-68.77	≤-23.4	PASS
BLE_1M	Ant1	2402	1000~26500	-3.40	-52.96	≤-23.4	PASS
BLE_1M	Ant1	2440	0~Reference	-6.64	-6.64	---	PASS
BLE_1M	Ant1	2440	30~1000	-6.64	-68.18	≤-26.64	PASS
BLE_1M	Ant1	2440	1000~26500	-6.64	-53.65	≤-26.64	PASS
BLE_1M	Ant1	2480	0~Reference	-4.69	-4.69	---	PASS
BLE_1M	Ant1	2480	30~1000	-4.69	-68.36	≤-24.69	PASS
BLE_1M	Ant1	2480	1000~26500	-4.69	-52.7	≤-24.69	PASS



Test Graphs



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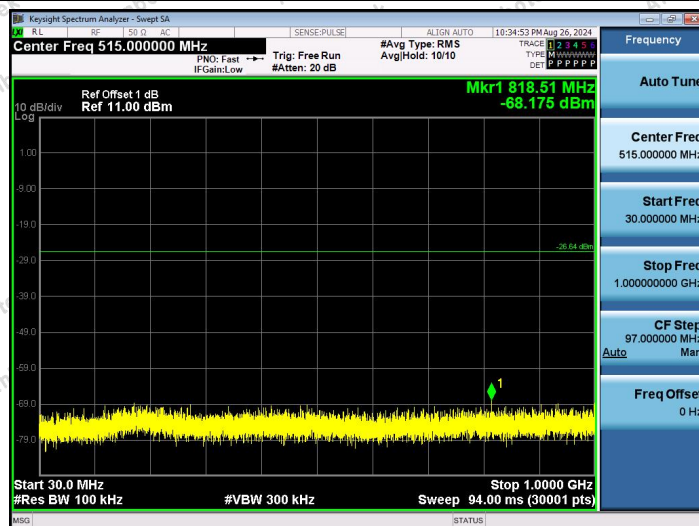


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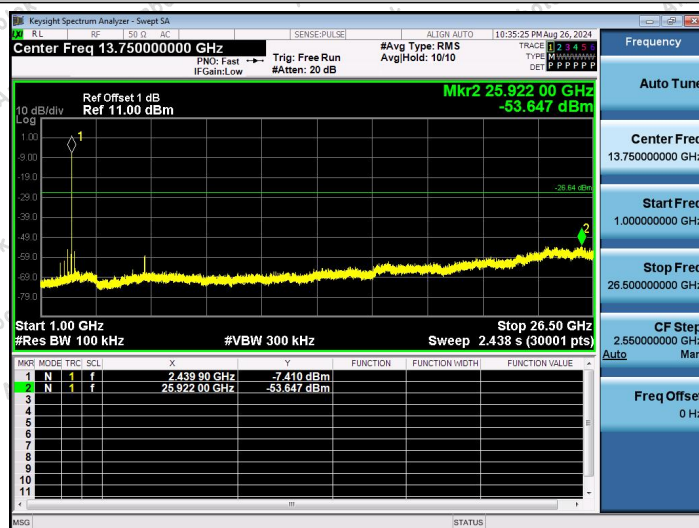




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS



BLE_1M-Ant1-2440-1000~26500-PASS

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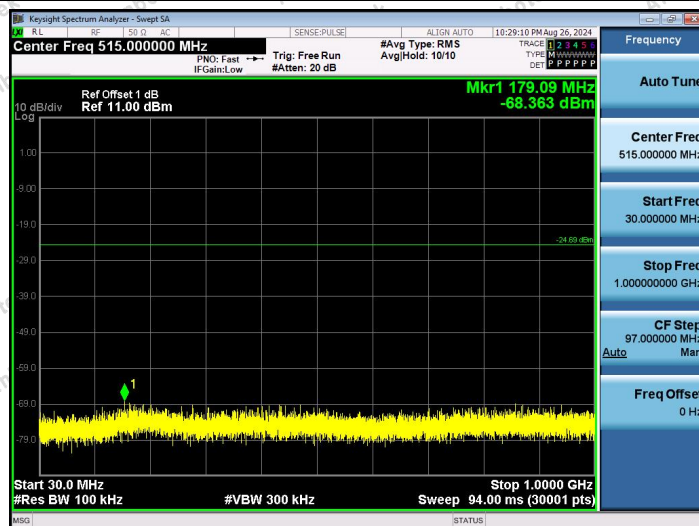


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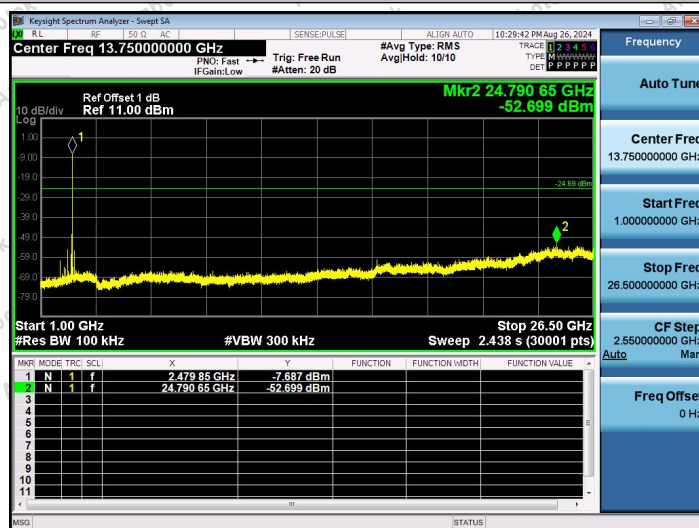




BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS

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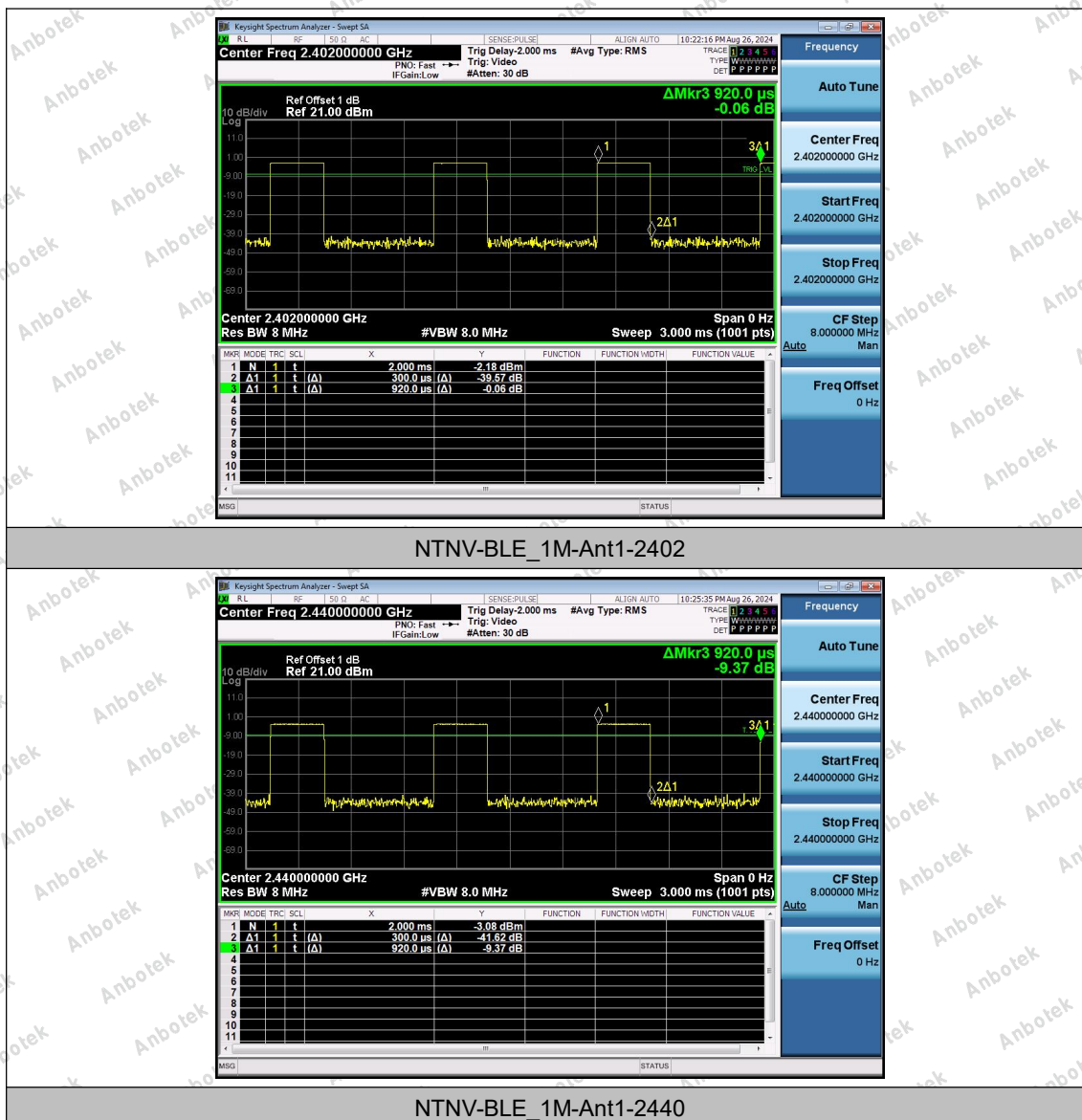
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.30	0.92	32.61	4.87
BLE_1M	Ant1	2440	0.30	0.92	32.61	4.87
BLE_1M	Ant1	2480	0.30	0.93	32.26	4.91



Test Graphs



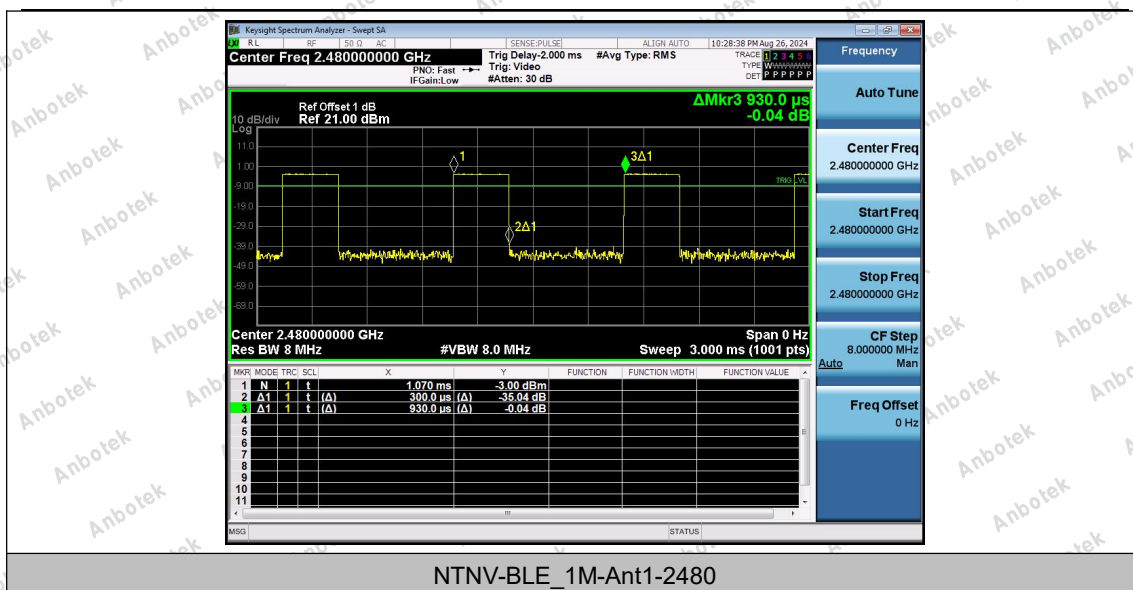
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NTNV-BLE_1M-Ant1-2480

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