

Appendix Test Data

Report No.:	18220WC40085301	Test Sample No.:	1-2-2
Start Test Date:	2024.05.09	Finish Test Date:	2024.05.10
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.5℃	Relative Humidity:	47%
Pressure:	101kPa		

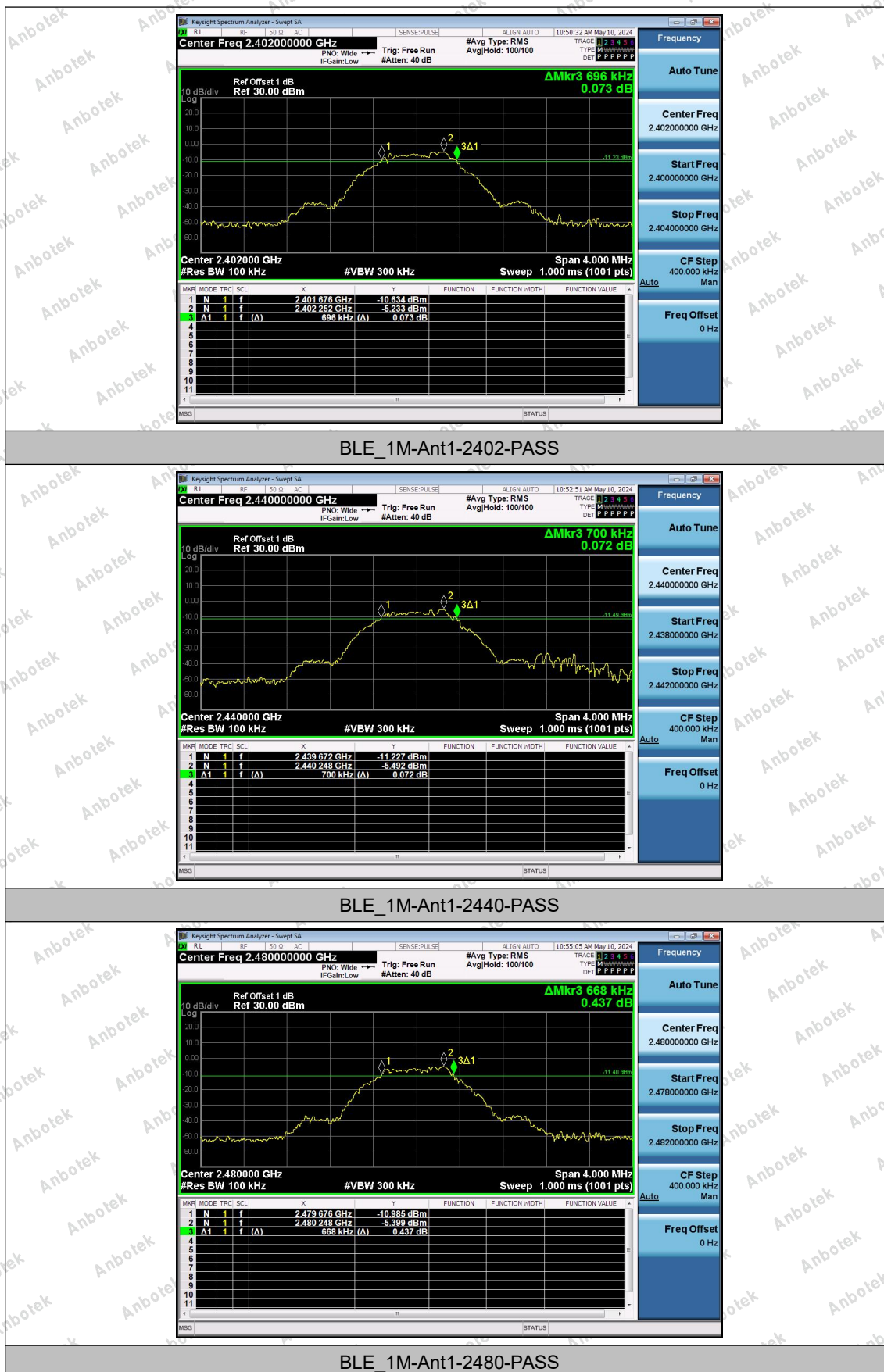
Appendix A: 6dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.696	2401.676	2402.372	0.5	PASS
BLE_1M	Ant1	2440	0.700	2439.672	2440.372	0.5	PASS
BLE_1M	Ant1	2480	0.668	2479.676	2480.344	0.5	PASS



Test Graphs



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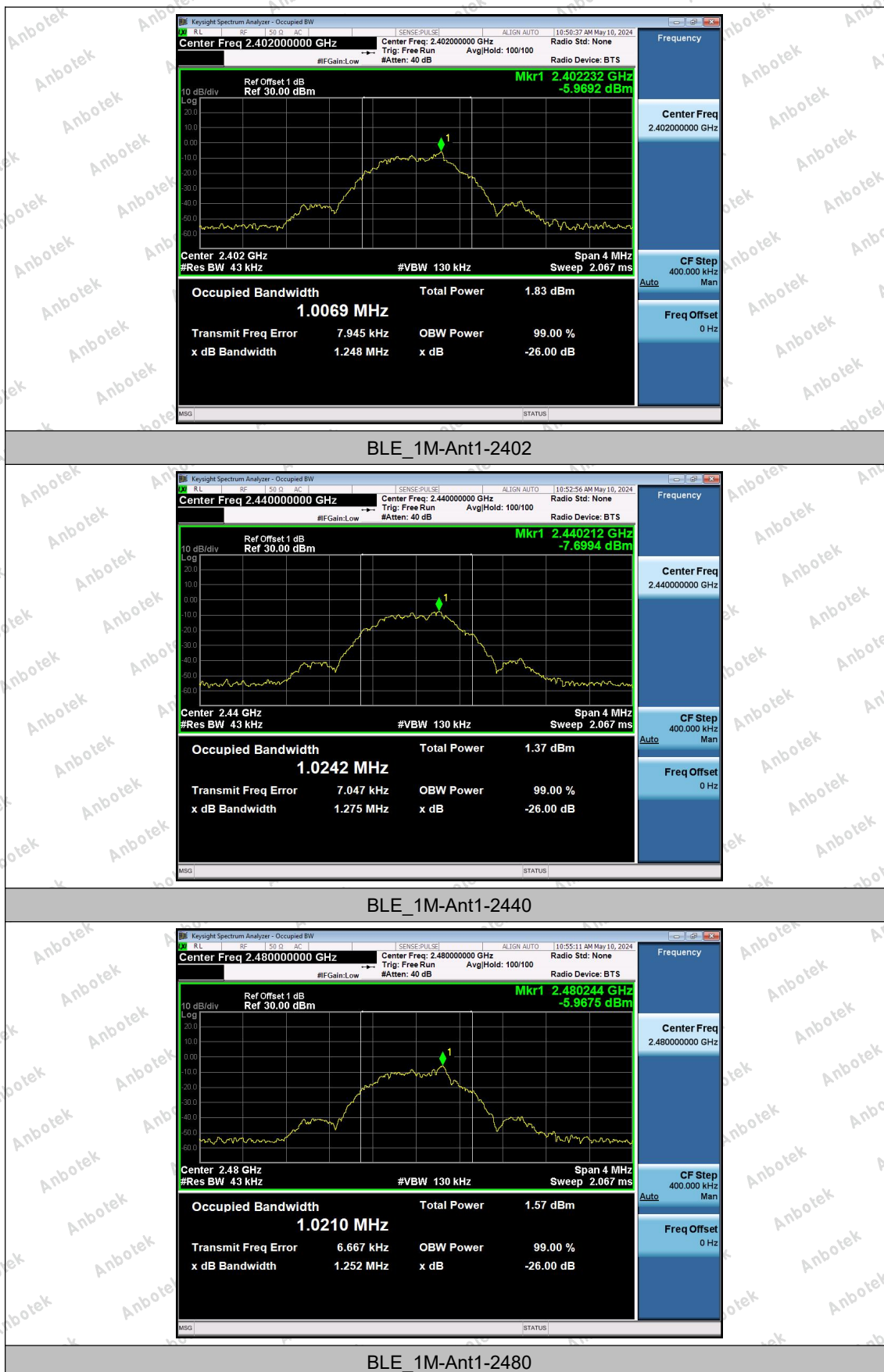
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0069	2401.5045	2402.5114	---	---
BLE_1M	Ant1	2440	1.0242	2439.4950	2440.5192	---	---
BLE_1M	Ant1	2480	1.0210	2479.4962	2480.5172	---	---



Test Graphs



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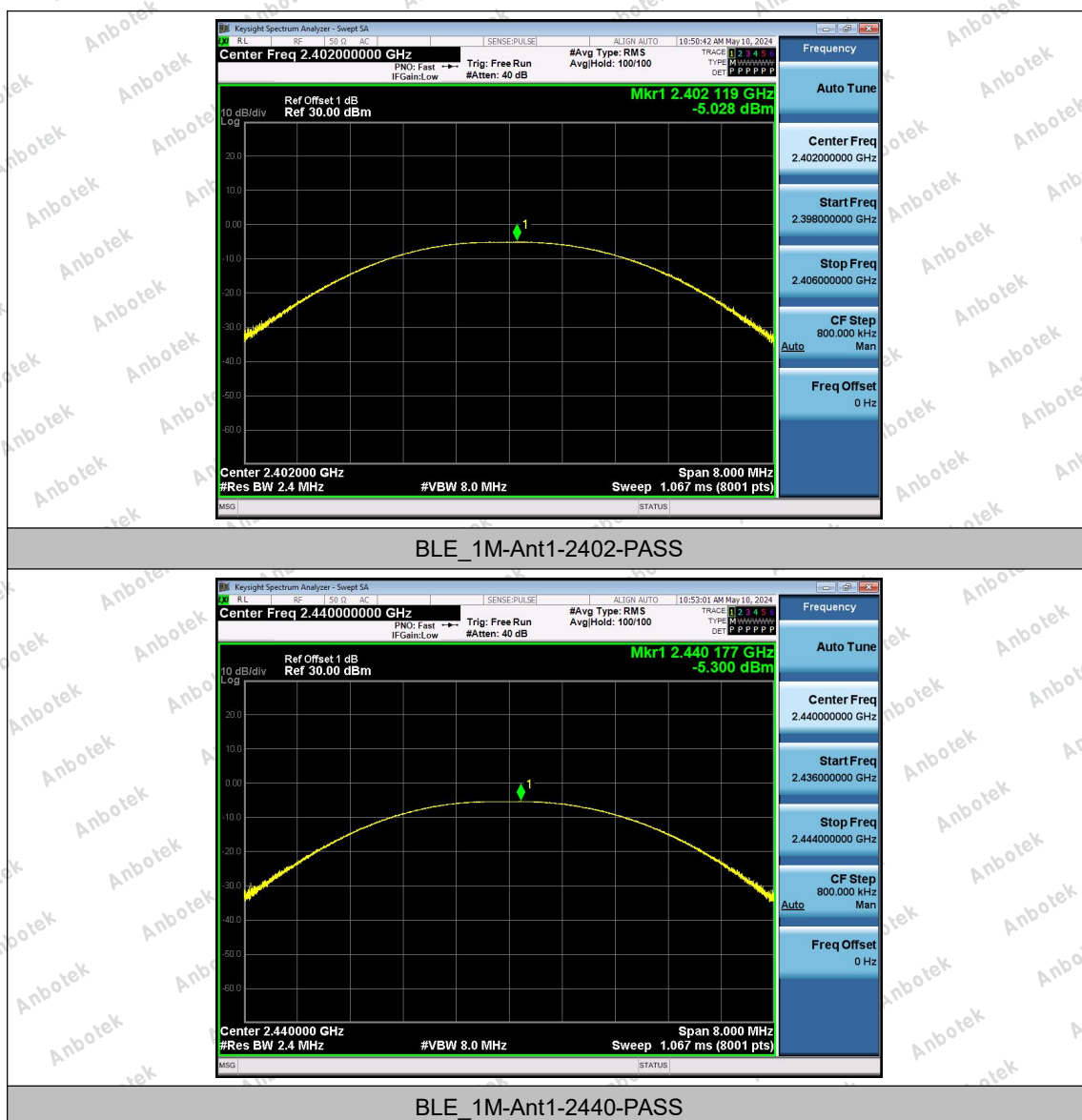


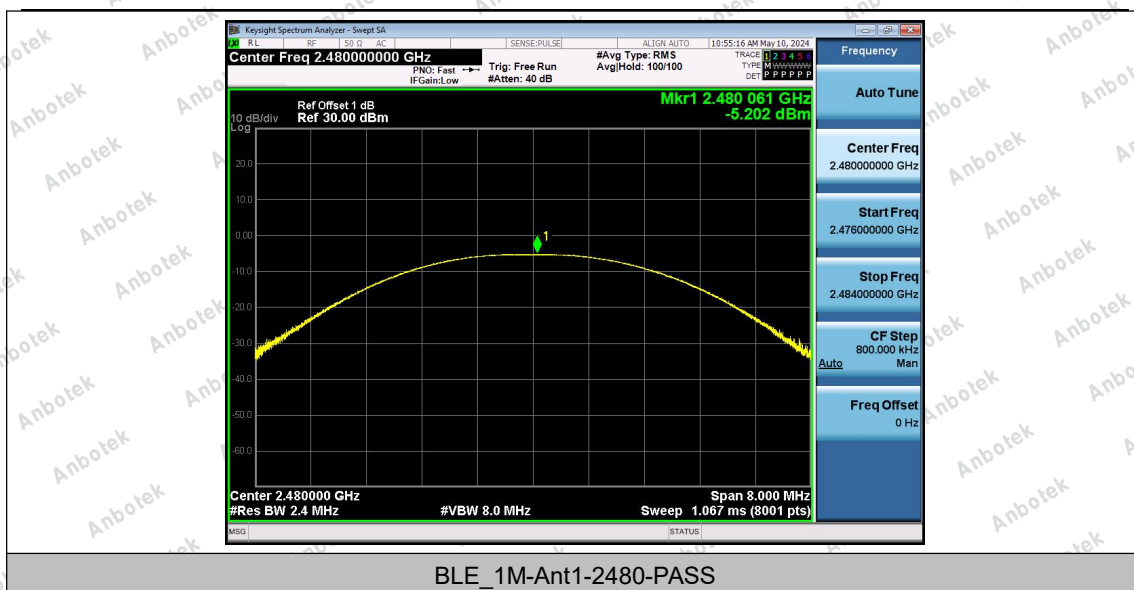
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-5.03	≤30	PASS
BLE_1M	Ant1	2440	-5.30	≤30	PASS
BLE_1M	Ant1	2480	-5.20	≤30	PASS

Test Graphs Peak





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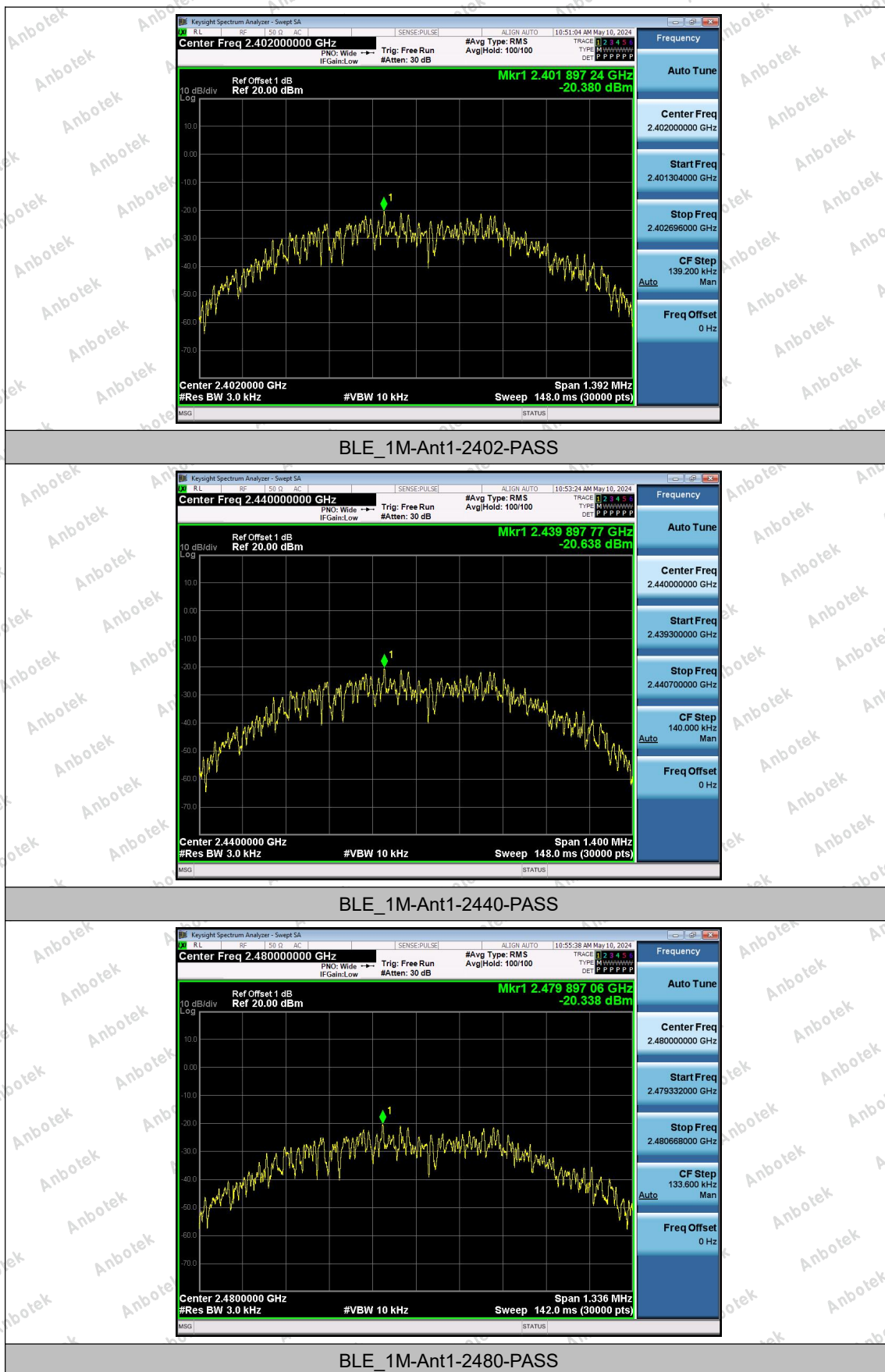
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-20.38	≤8.00	PASS
BLE_1M	Ant1	2440	-20.64	≤8.00	PASS
BLE_1M	Ant1	2480	-20.34	≤8.00	PASS



Test Graphs



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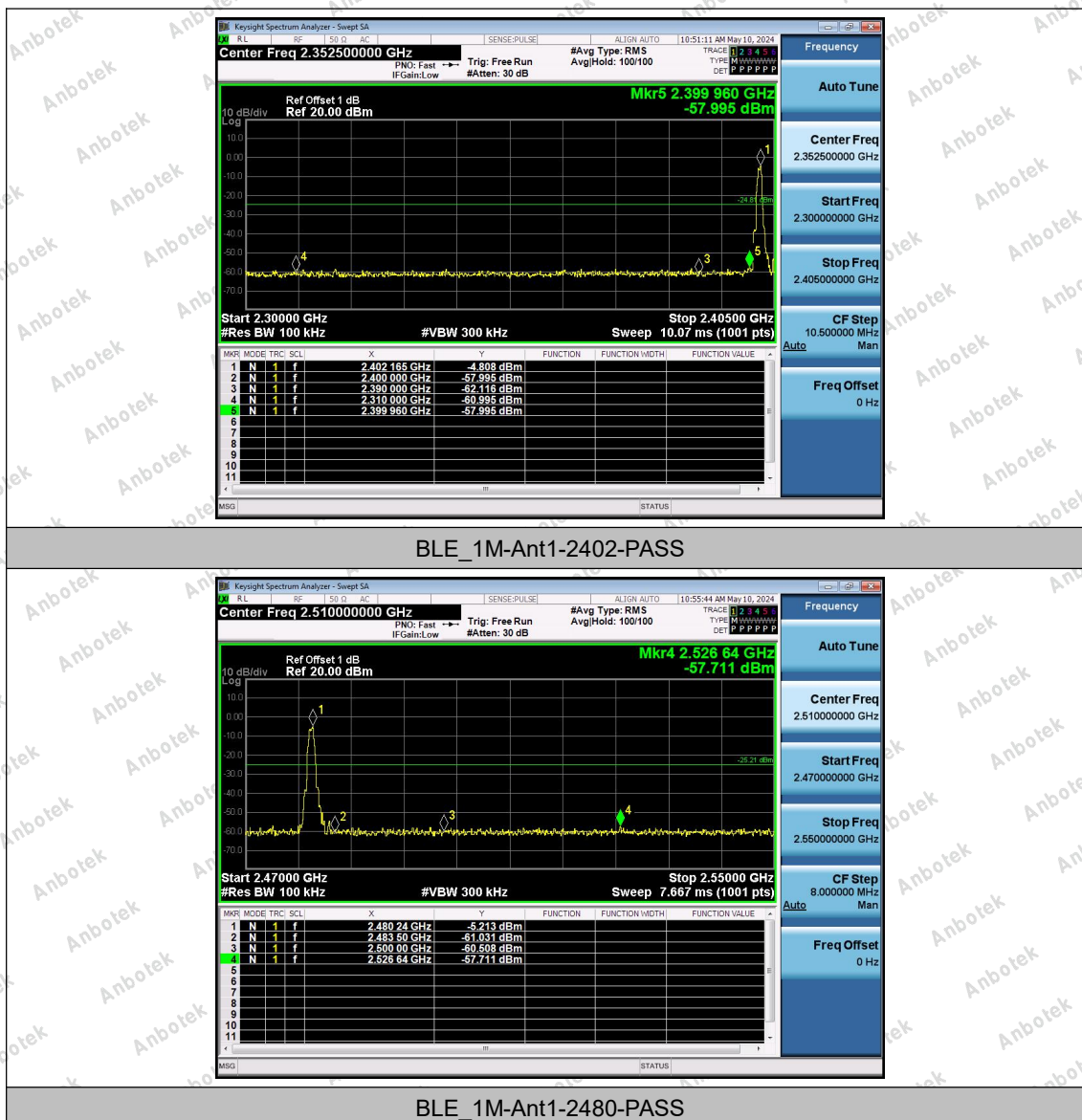
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChannelName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-4.81	-58	≤-24.81	PASS
BLE_1M	Ant1	High	2480	-5.21	-57.71	≤-25.21	PASS



Test Graphs



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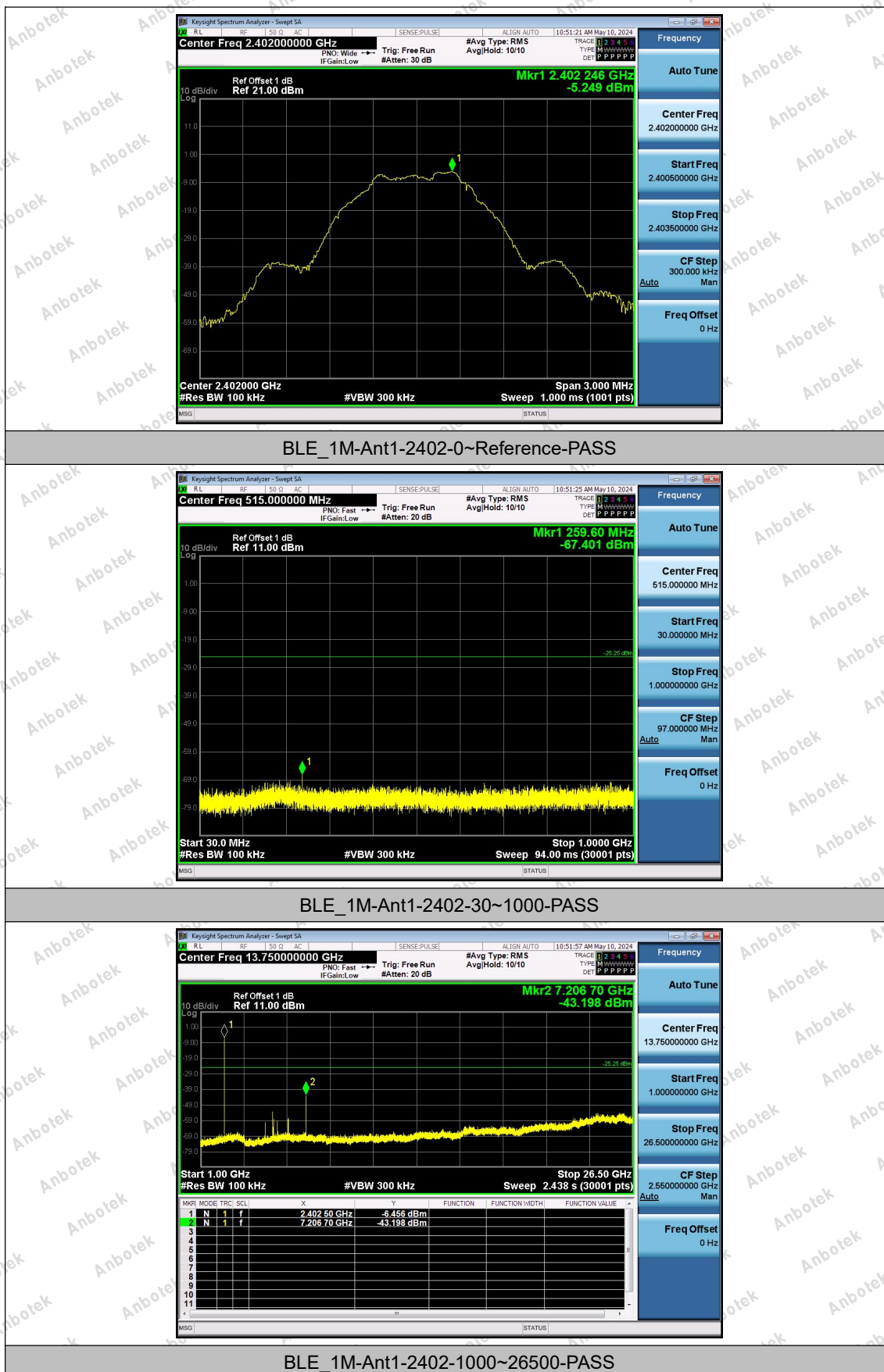
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-5.25	-5.25	---	PASS
BLE_1M	Ant1	2402	30~1000	-5.25	-67.4	≤-25.25	PASS
BLE_1M	Ant1	2402	1000~26500	-5.25	-43.2	≤-25.25	PASS
BLE_1M	Ant1	2440	0~Reference	-5.47	-5.47	---	PASS
BLE_1M	Ant1	2440	30~1000	-5.47	-69.08	≤-25.47	PASS
BLE_1M	Ant1	2440	1000~26500	-5.47	-45.24	≤-25.47	PASS
BLE_1M	Ant1	2480	0~Reference	-5.35	-5.35	---	PASS
BLE_1M	Ant1	2480	30~1000	-5.35	-69.47	≤-25.35	PASS
BLE_1M	Ant1	2480	1000~26500	-5.35	-45.94	≤-25.35	PASS



Test Graphs



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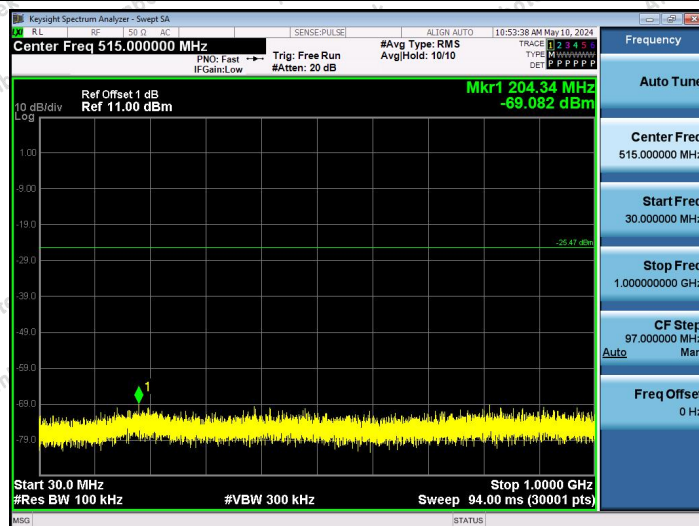


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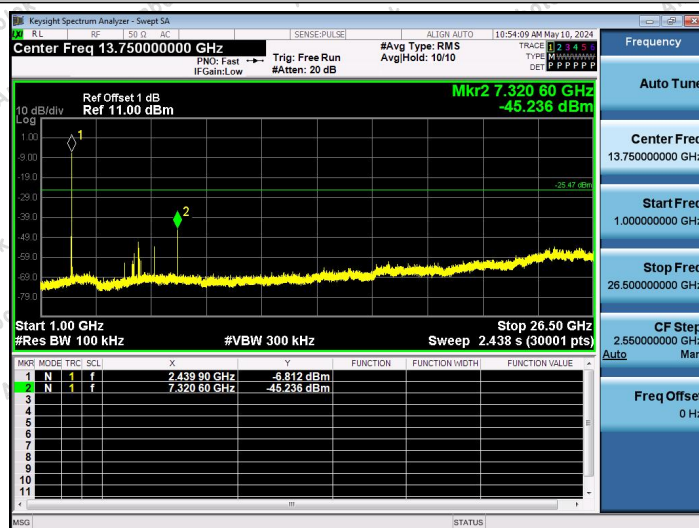




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS



BLE_1M-Ant1-2440-1000~26500-PASS

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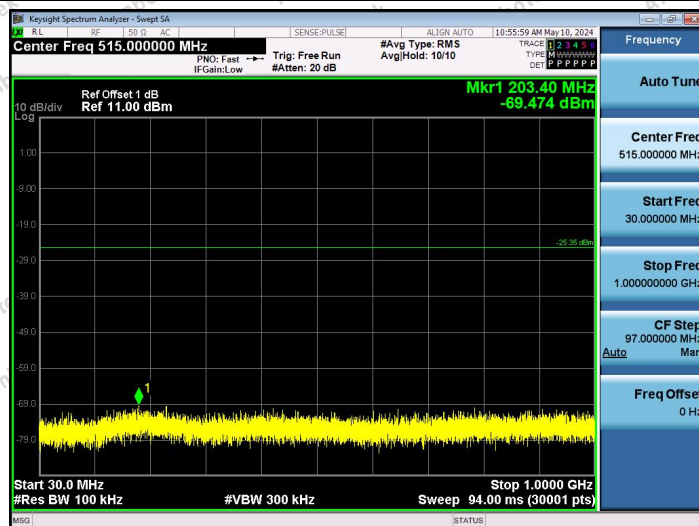


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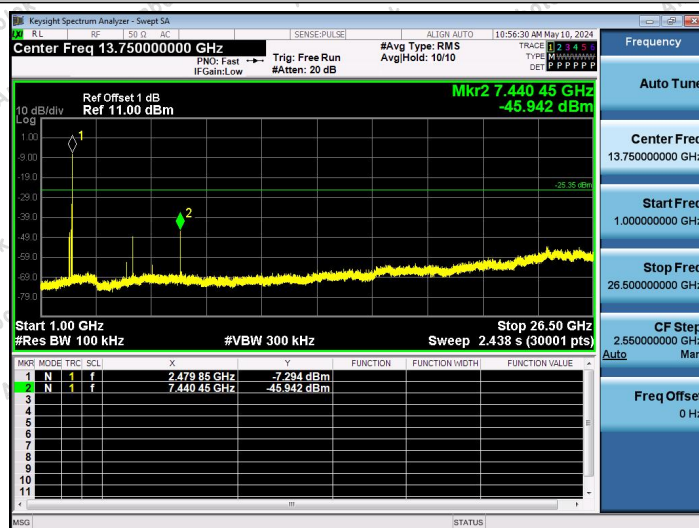




BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS

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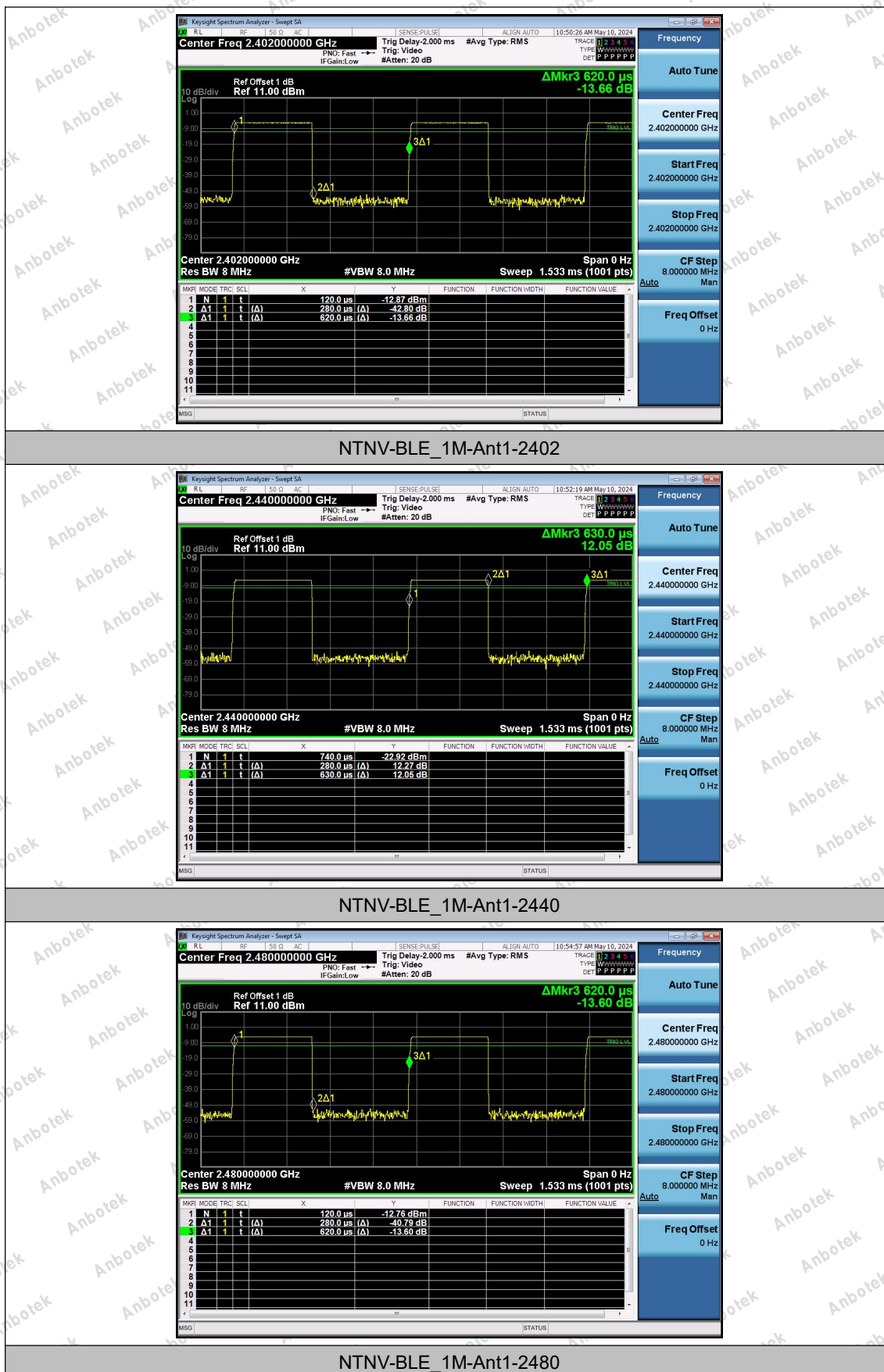
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.28	0.62	45.16	3.45
BLE_1M	Ant1	2440	0.28	0.63	44.44	3.52
BLE_1M	Ant1	2480	0.28	0.62	45.16	3.45



Test Graphs



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