

Appendix Test Data

Report No.:	18220WC30160602	Test Sample No.:	1-2-2
Start Test Date:	2023.08.01	Finish Test Date:	2023.08.03
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.3℃	Relative Humidity:	48%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.696	2401.664	2402.360	0.5	PASS
		2440	0.688	2439.668	2440.356	0.5	PASS
		2480	0.692	2479.664	2480.356	0.5	PASS



Test Graphs



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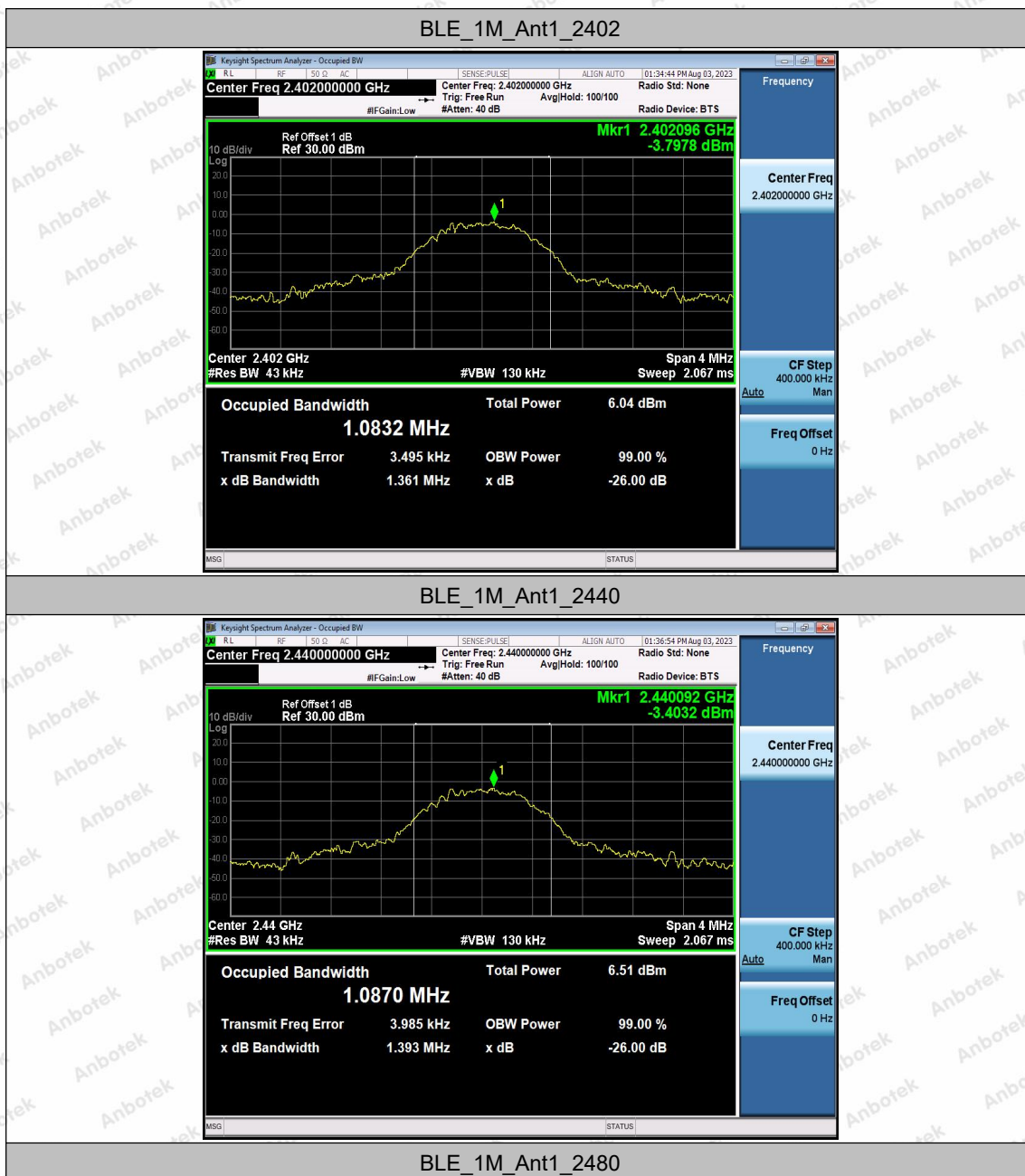
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0832	2401.4619	2402.5451
		2440	1.0870	2439.4605	2440.5475
		2480	1.0920	2479.4571	2480.5491



Test Graphs



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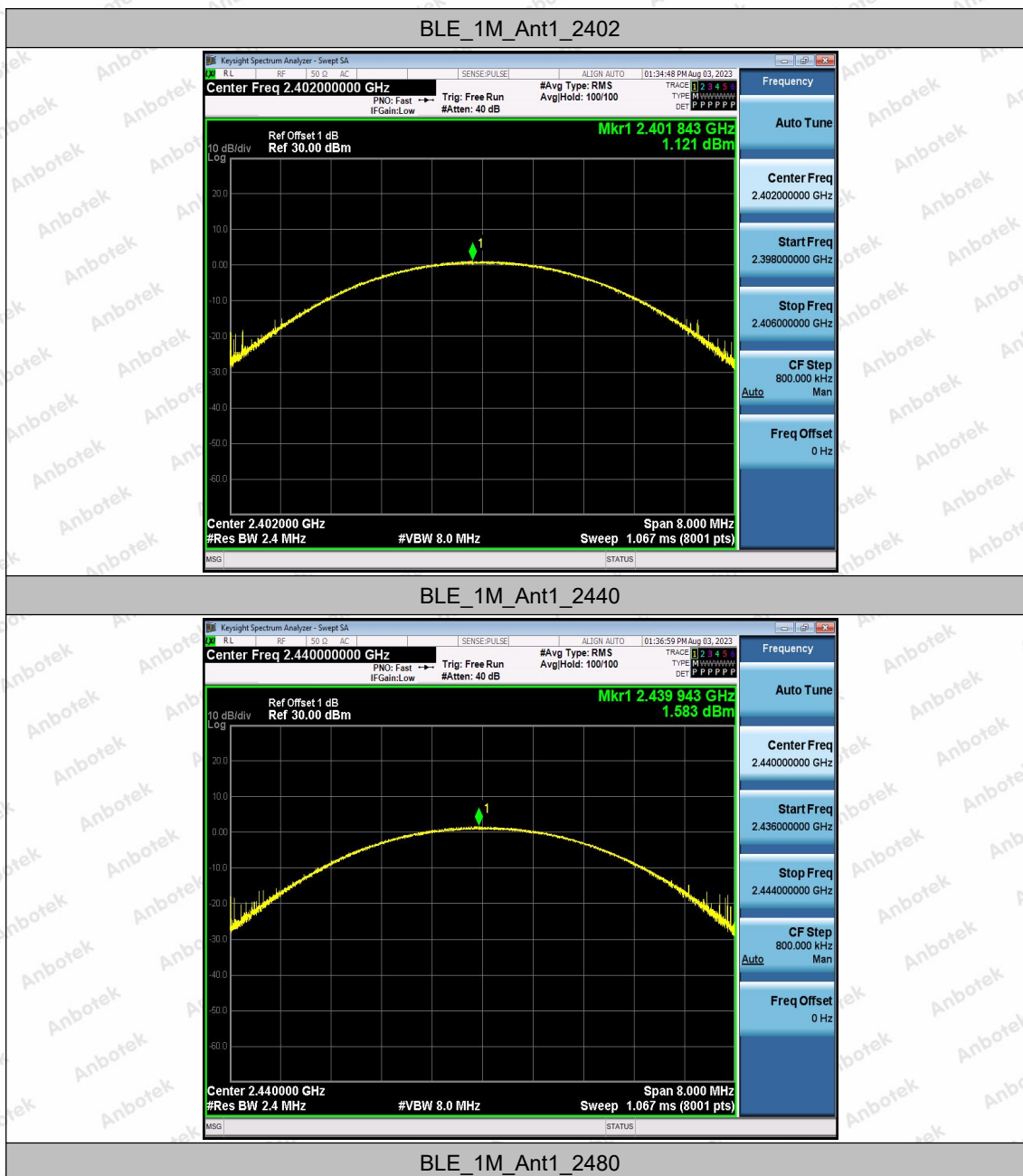
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.12	≤30	PASS
		2440	1.58	≤30	PASS
		2480	1.36	≤30	PASS



Test Graphs Peak



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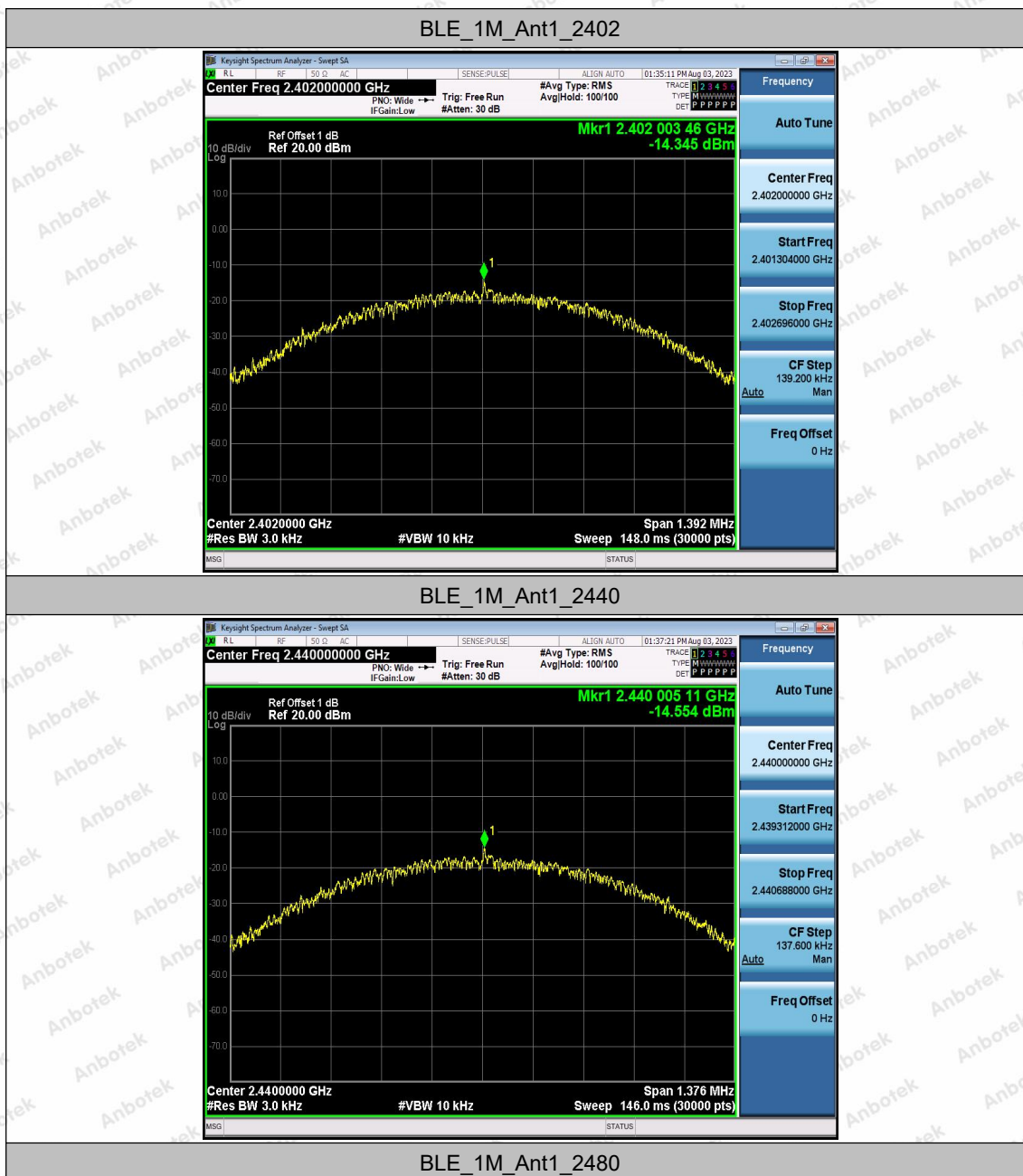
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.35	≤8.00	PASS
		2440	-14.55	≤8.00	PASS
		2480	-13.92	≤8.00	PASS



Test Graphs



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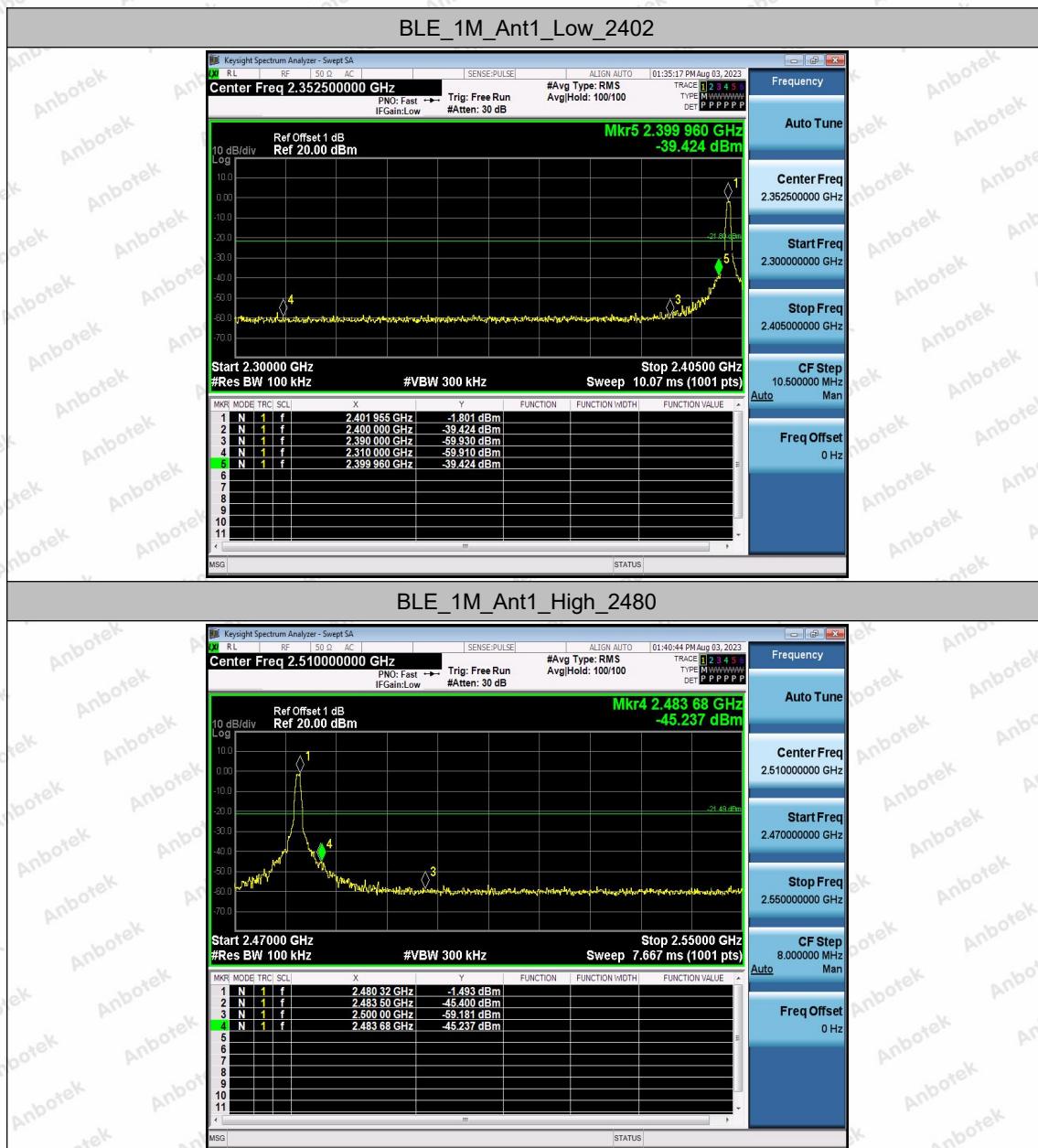


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.80	-39.42	≤-21.8	PASS
		High	2480	-1.49	-45.24	≤-21.49	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	Reference	-1.38	-1.38	---	PASS
			30~1000	-1.38	-42.58	≤-21.38	PASS
			1000~26500	-1.38	-39.51	≤-21.38	PASS
		2440	Reference	-1.79	-1.79	---	PASS
			30~1000	-1.79	-41.35	≤-21.79	PASS
			1000~26500	-1.79	-39.99	≤-21.79	PASS
		2480	Reference	-1.48	-1.48	---	PASS
			30~1000	-1.48	-42.04	≤-21.48	PASS
			1000~26500	-1.48	-41.6	≤-21.48	PASS

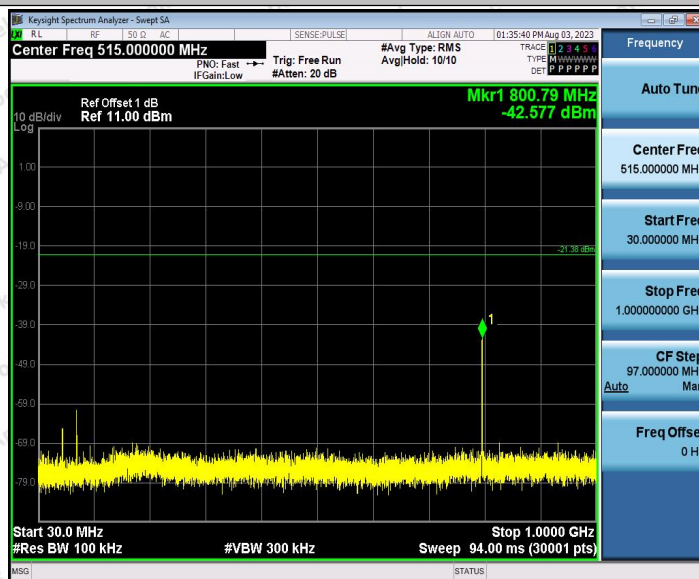


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

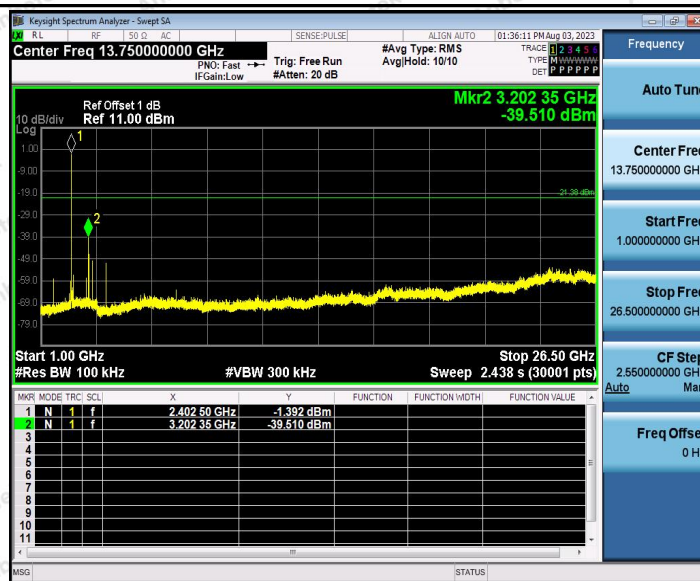
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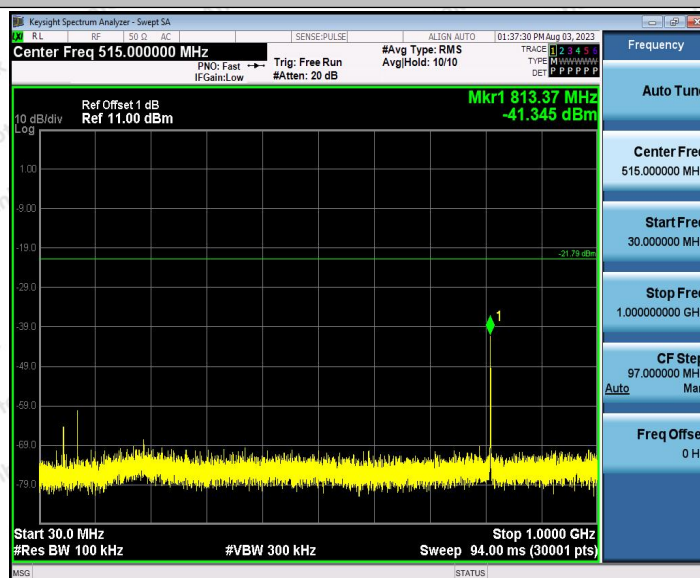




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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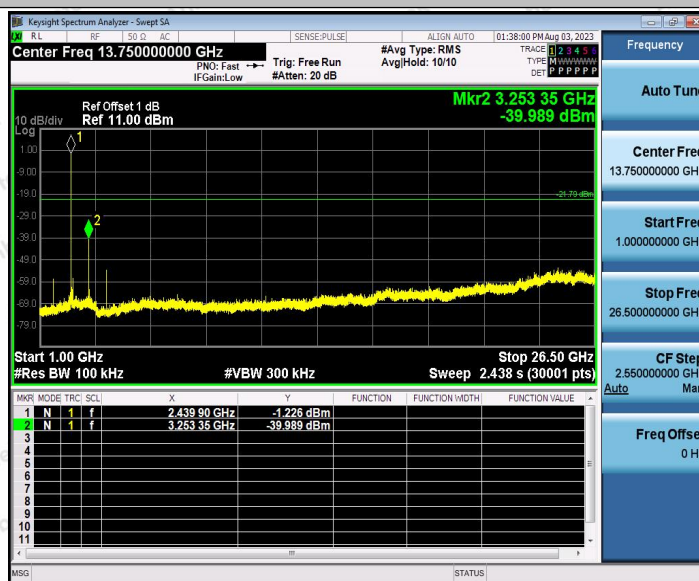
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

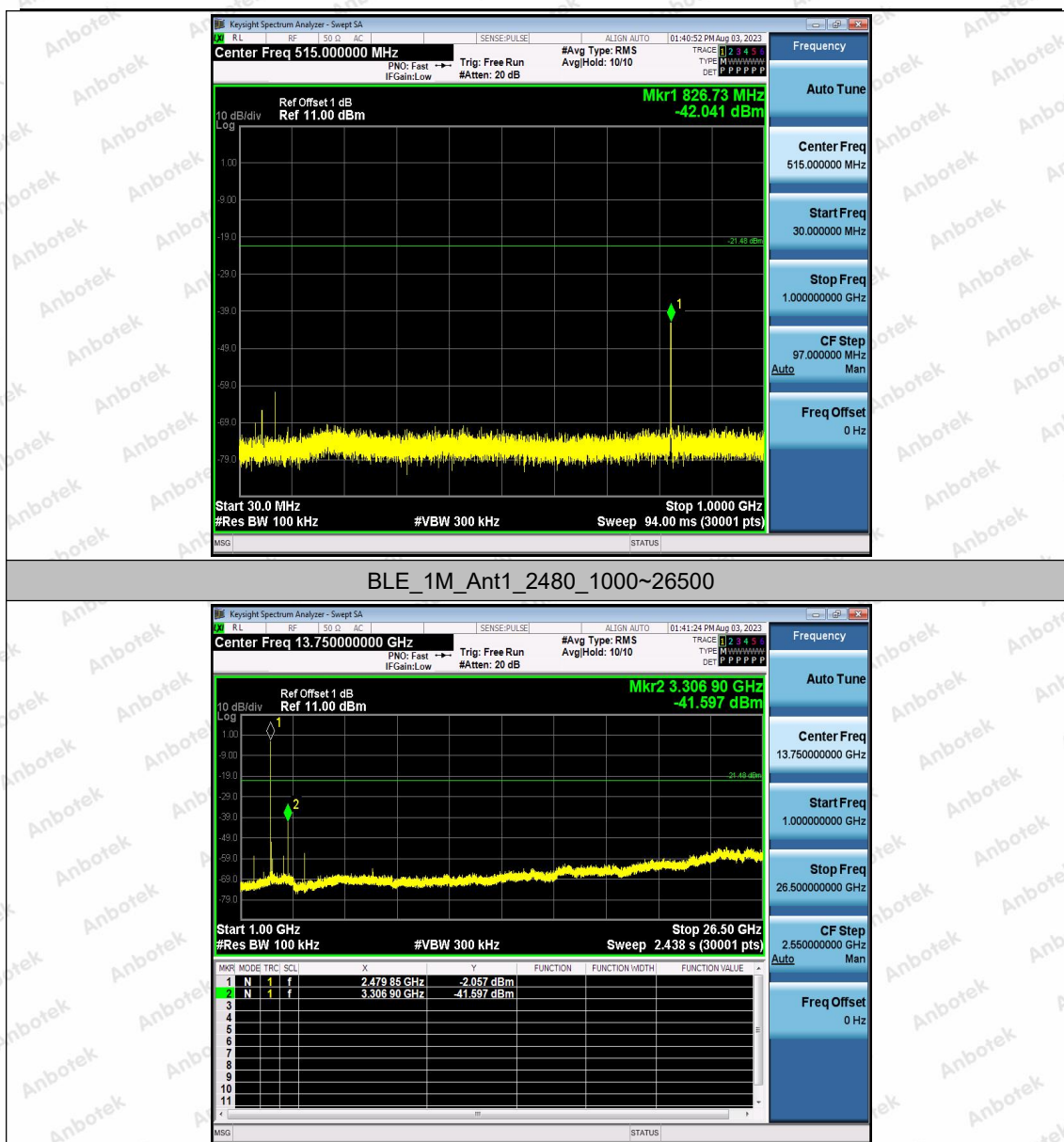
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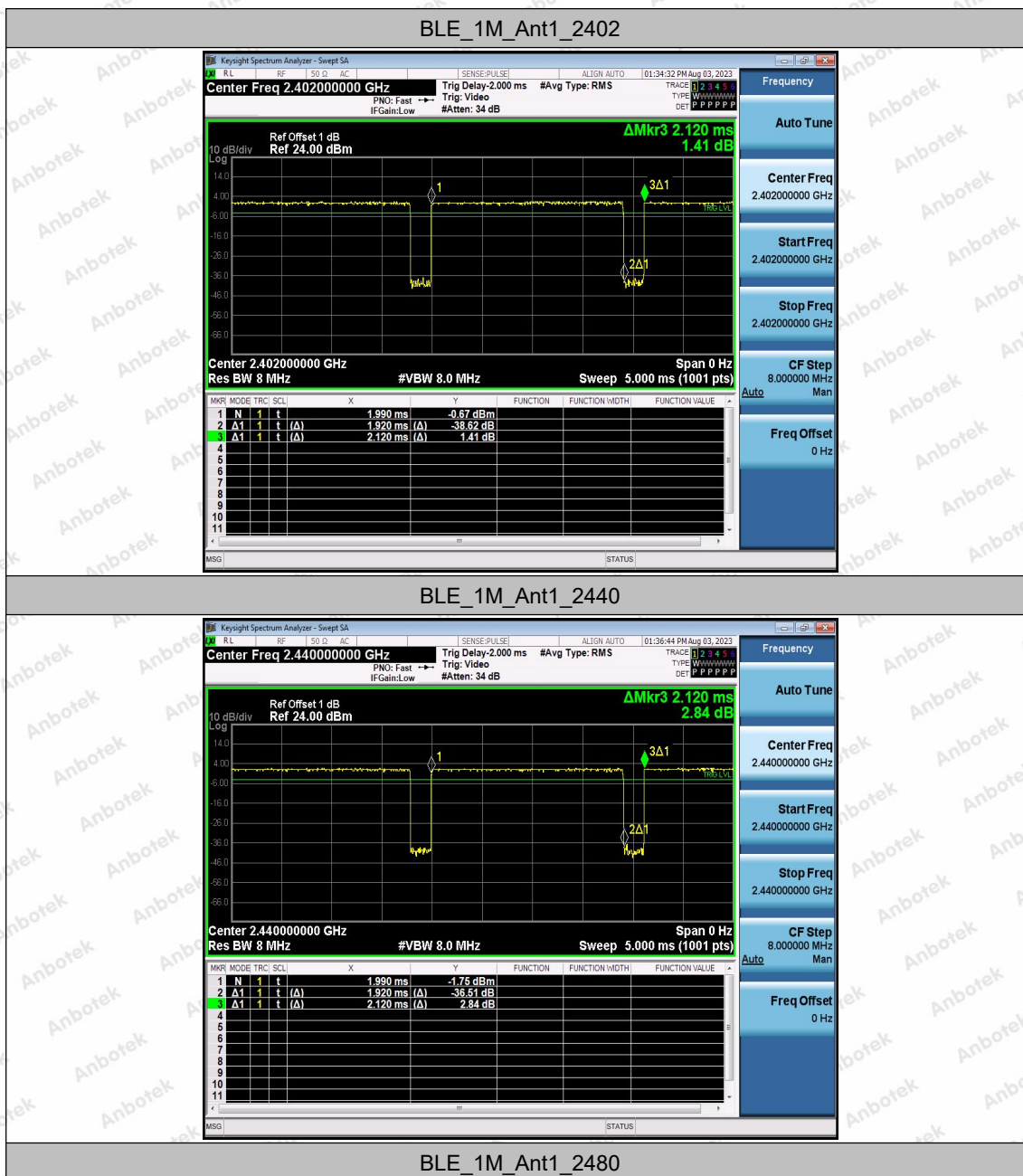
Appendix G: Duty Cycle

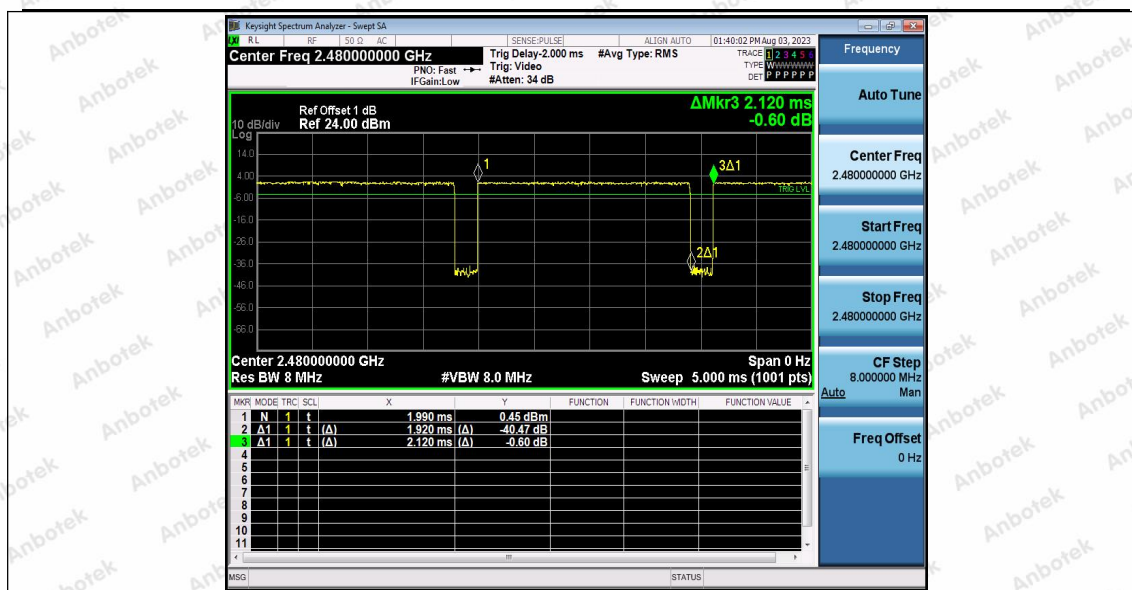
Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	1.92	2.12	90.57	0.43
		2440	1.92	2.12	90.57	0.43
		2480	1.92	2.12	90.57	0.43



Test Graphs





---End---

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