

Appendix Test Data

Report No.:	18220WC40026101	Test Sample No.:	1-2-2
Start Test Date:	2024.2.27	Finish Test Date:	2024.2.28
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25°C	Relative Humidity:	48%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.716	2401.620	2402.336	0.5	PASS
		2440	0.720	2439.604	2440.324	0.5	PASS
		2480	0.716	2479.624	2480.340	0.5	PASS



Test Graphs



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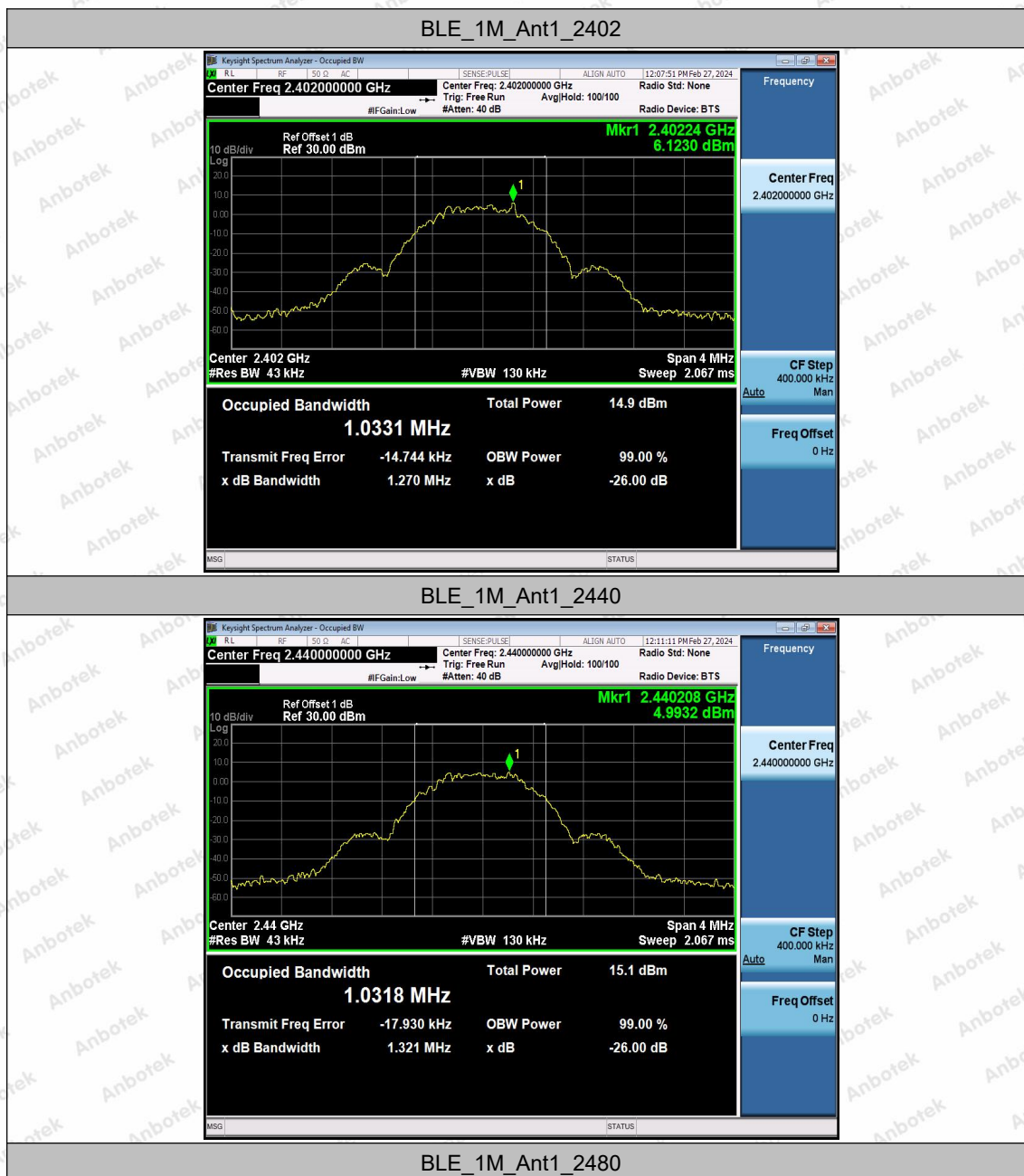
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0331	2401.4687	2402.5018
		2440	1.0318	2439.4662	2440.4980
		2480	1.0246	2479.4721	2480.4967



Test Graphs



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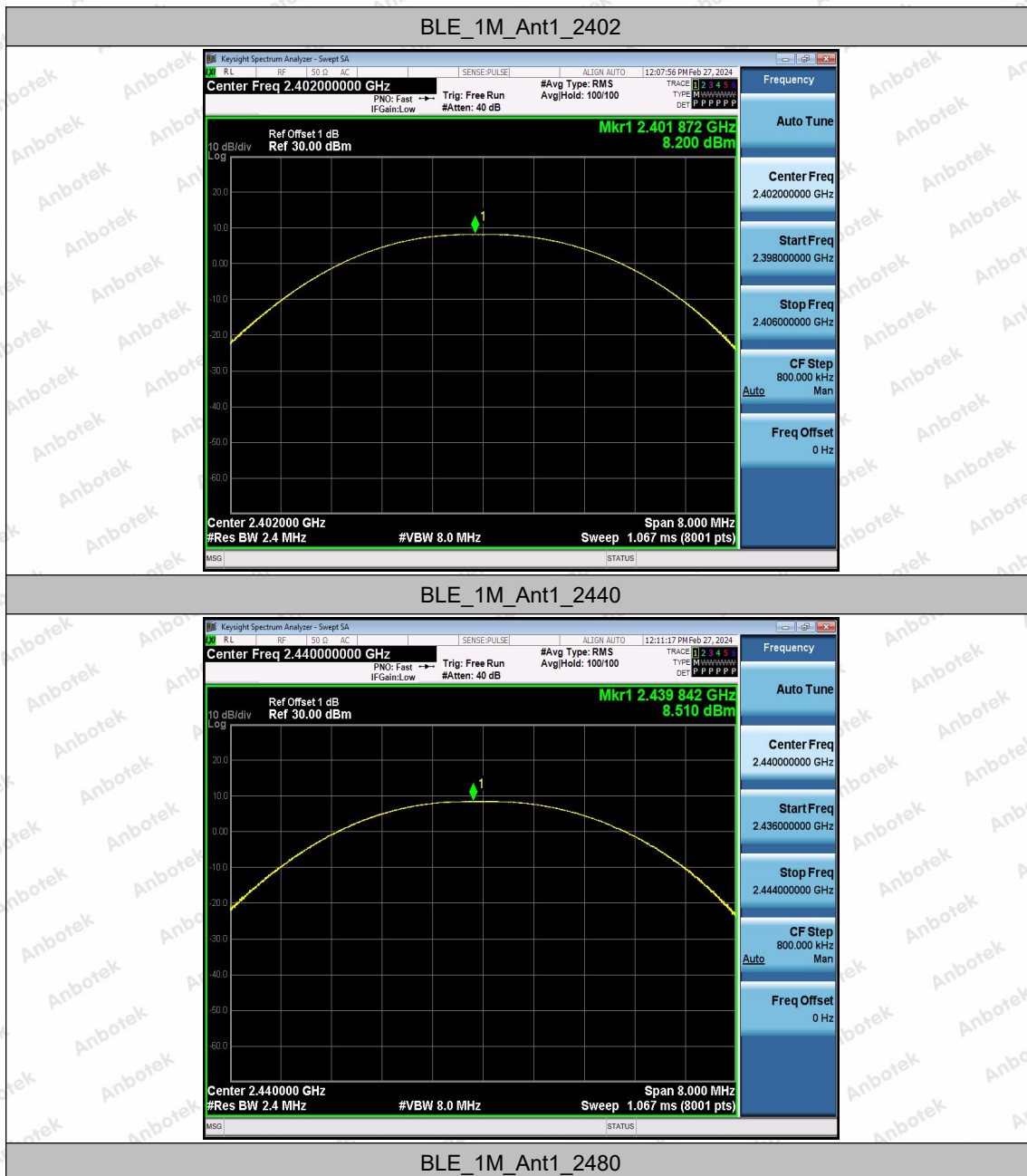
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	8.20	≤30	PASS
		2440	8.51	≤30	PASS
		2480	7.87	≤30	PASS



Test Graphs Peak



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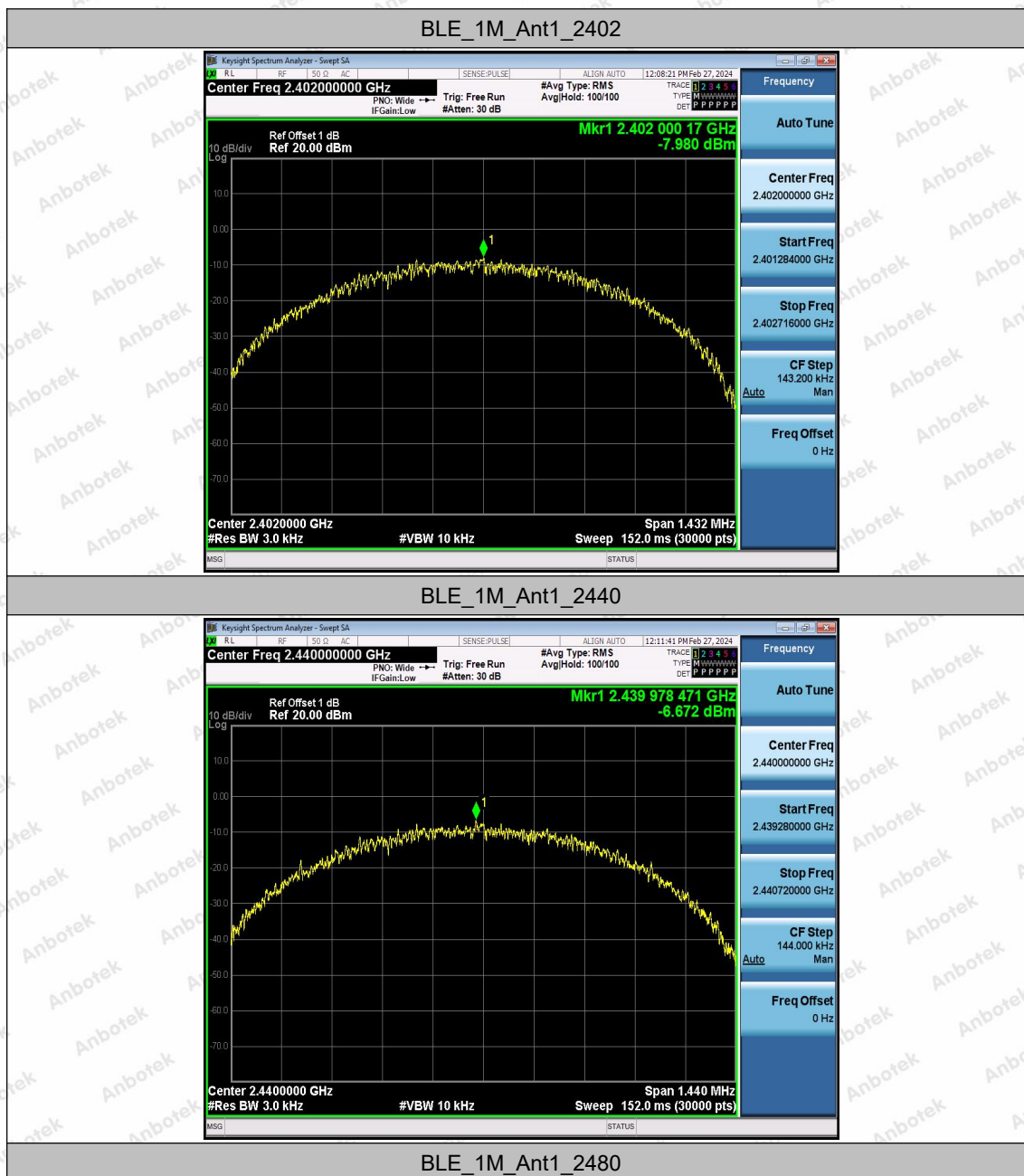
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-7.98	≤8.00	PASS
		2440	-6.67	≤8.00	PASS
		2480	-8.11	≤8.00	PASS



Test Graphs



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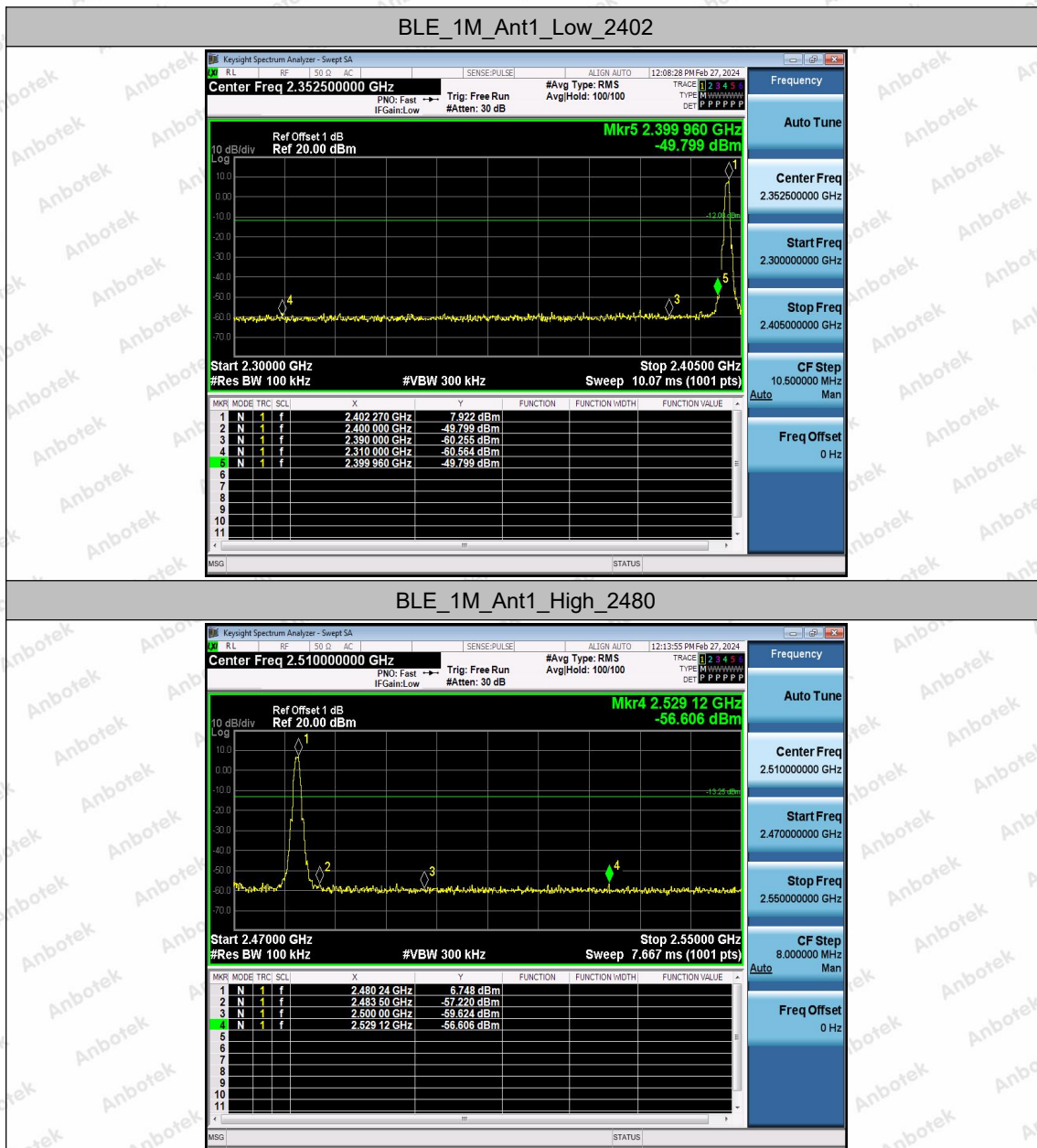
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	7.92	-49.8	≤-12.08	PASS
		High	2480	6.75	-56.61	≤-13.25	PASS



Test Graphs



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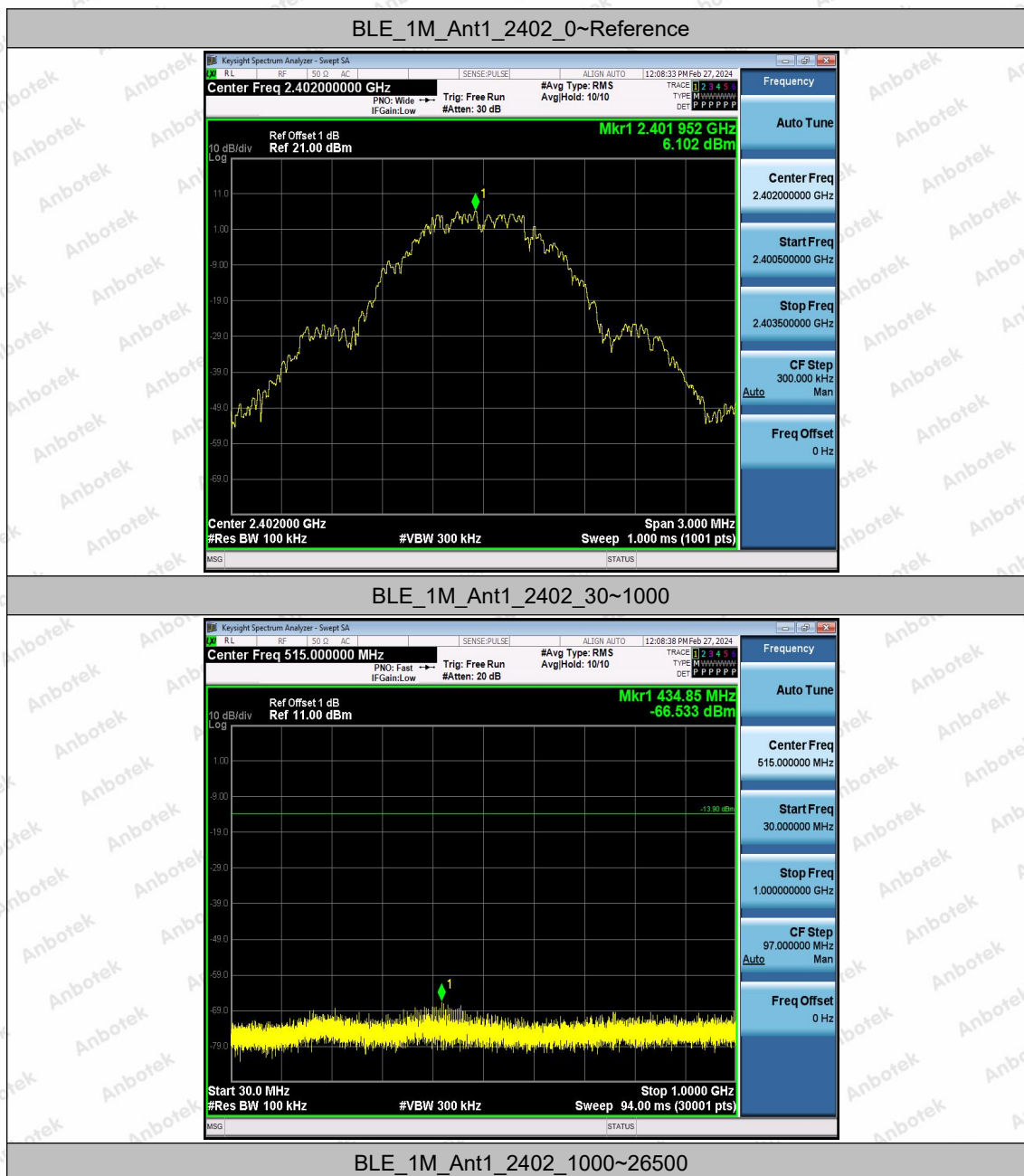
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	6.10	6.10	---	PASS
			30~1000	6.10	-66.53	≤-13.9	PASS
			1000~26500	6.10	-44.42	≤-13.9	PASS
		2440	Reference	7.41	7.41	---	PASS
			30~1000	7.41	-66.07	≤-12.59	PASS
			1000~26500	7.41	-50.06	≤-12.59	PASS
		2480	Reference	6.39	6.39	---	PASS
			30~1000	6.39	-65.88	≤-13.61	PASS
			1000~26500	6.39	-49.64	≤-13.61	PASS



Test Graphs



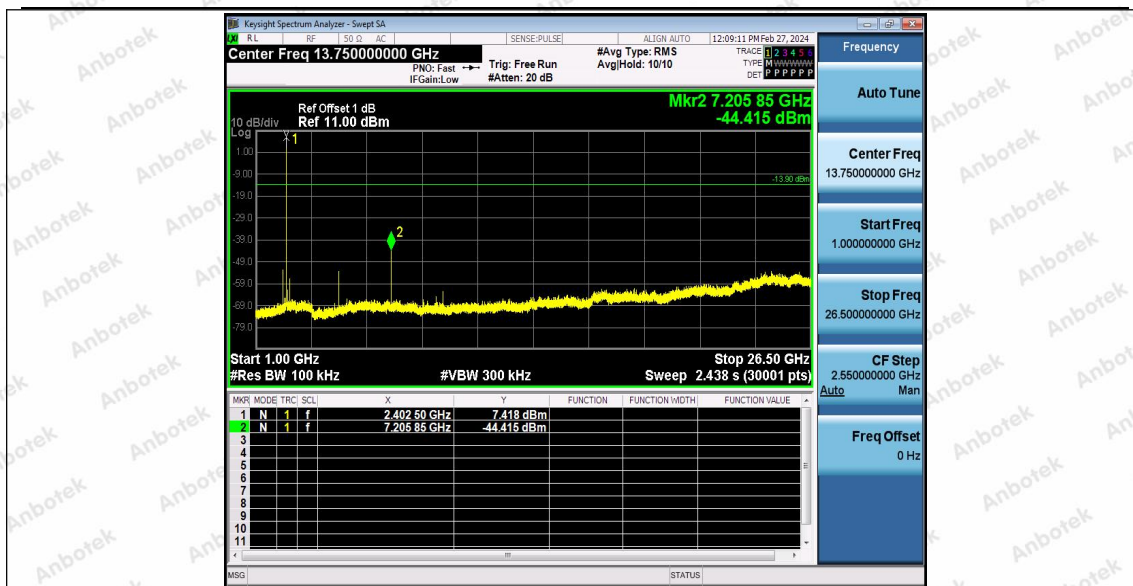
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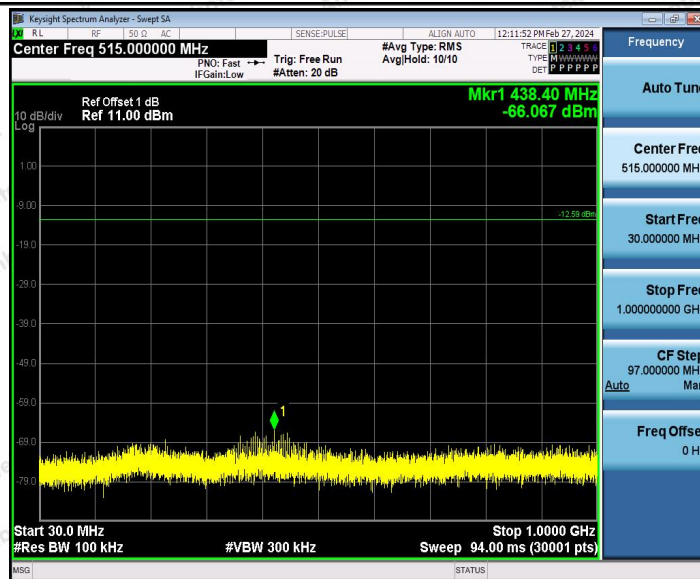


BLE_1M_Ant1_2440_0~Reference

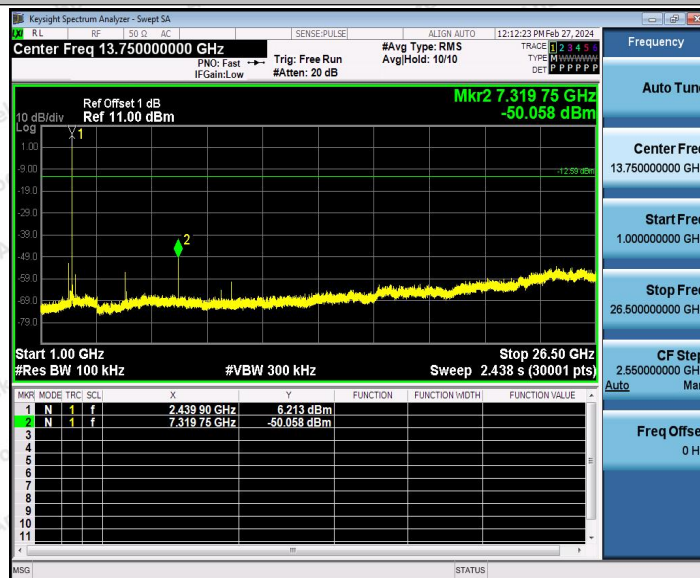


BLE	1M	Ant1	2440	30~1000
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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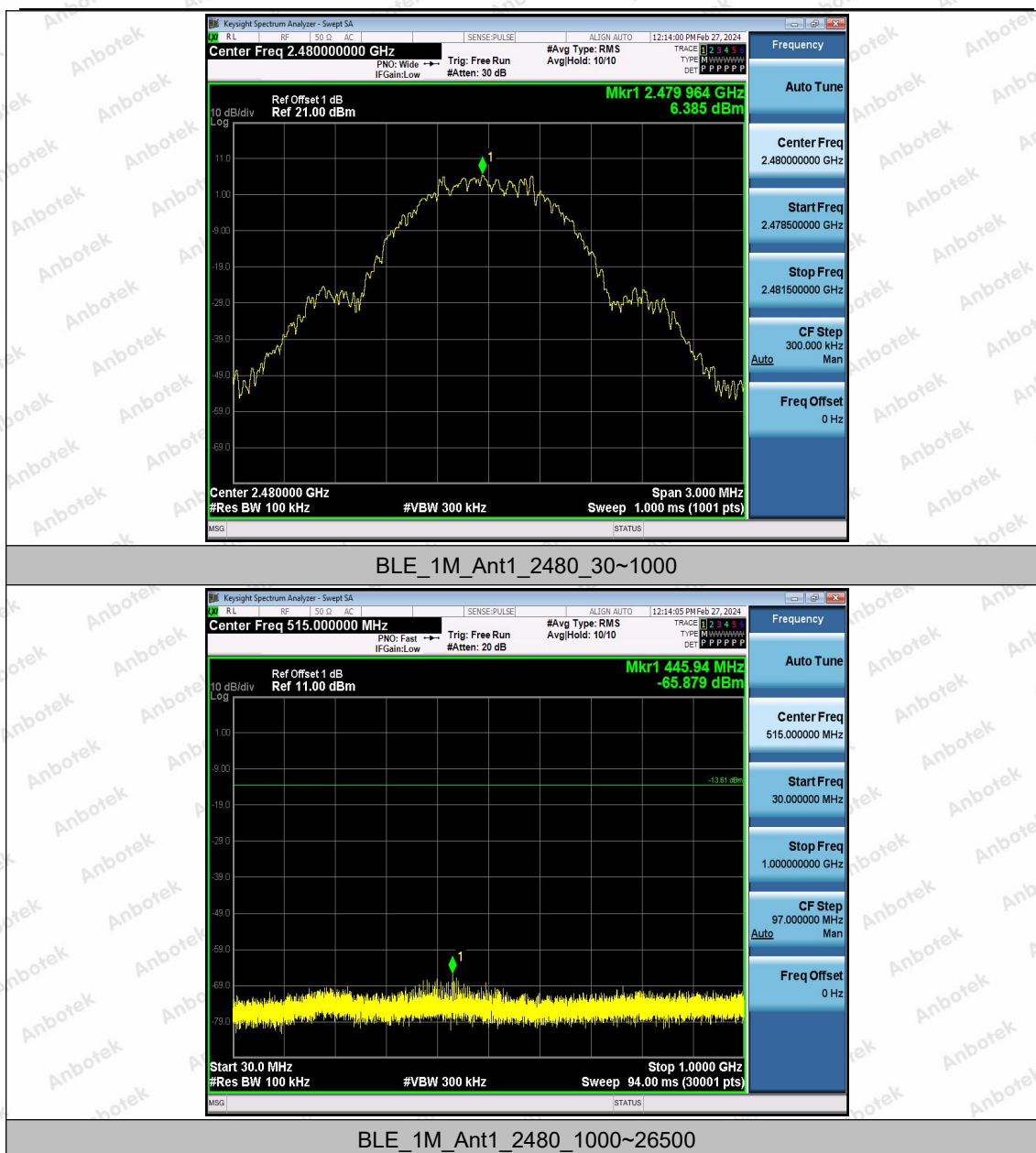


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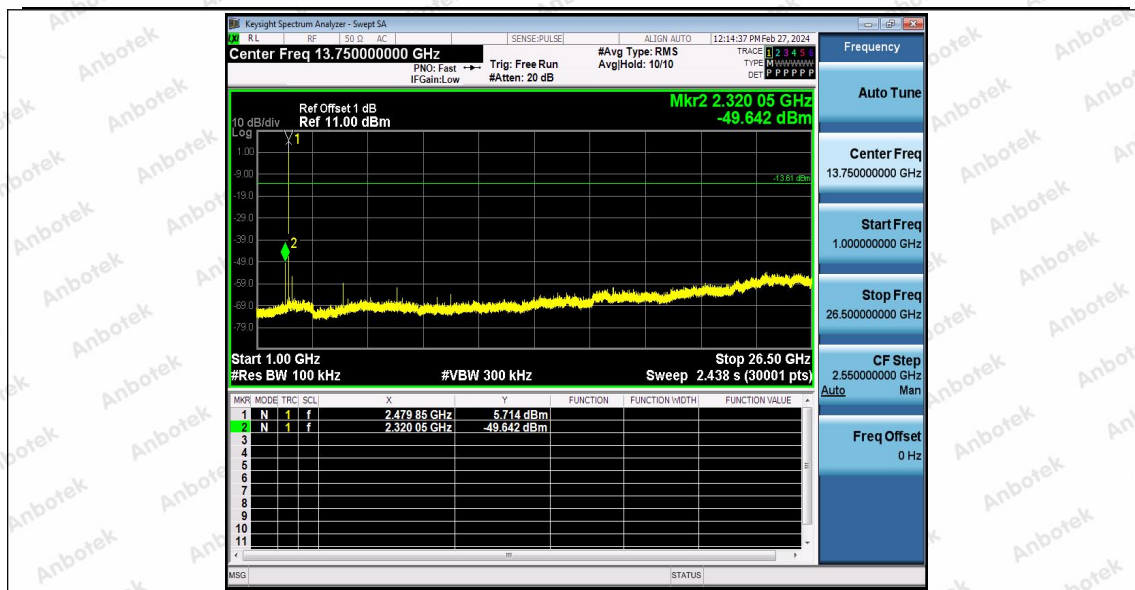
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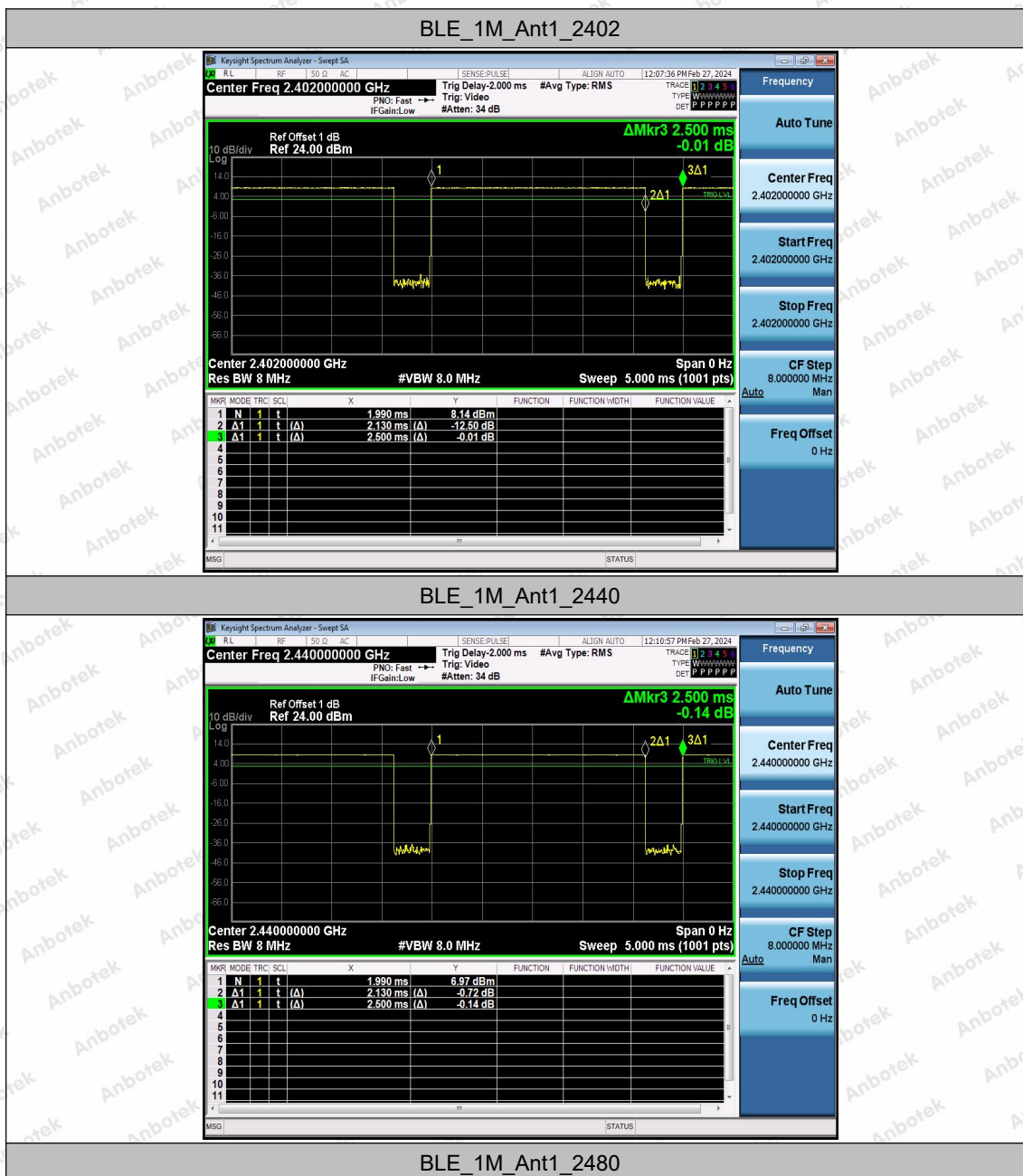
Appendix G: Duty Cycle

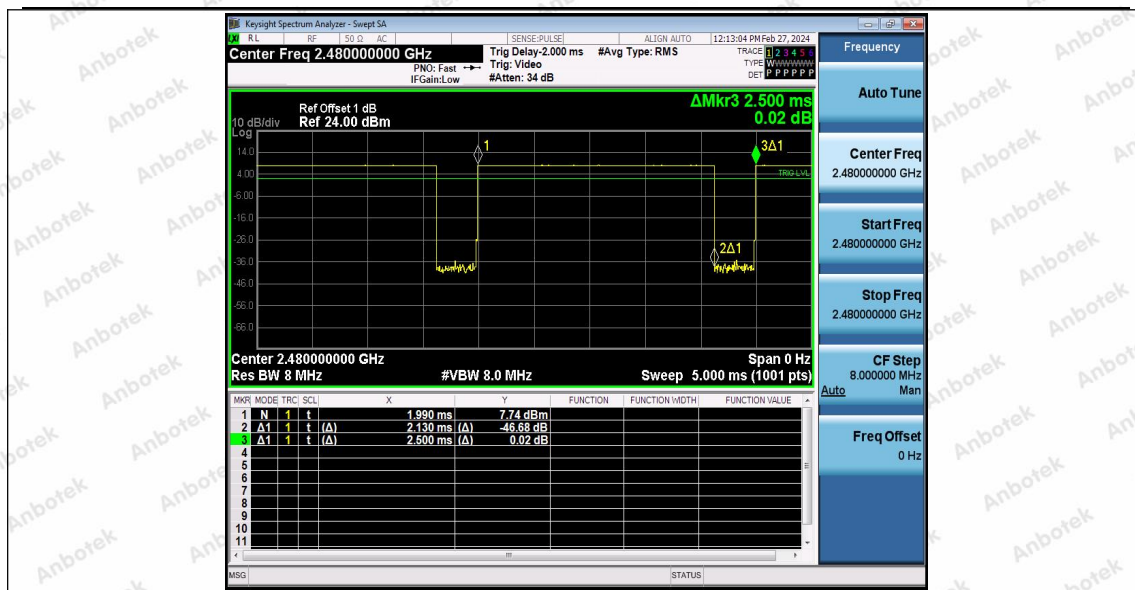
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
		2440	2.13	2.50	85.20	0.70
		2480	2.13	2.50	85.20	0.70



Test Graphs





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