

Appendix Test Data

Report No.:	18220WC30115401	Test Sample No.:	1-2-2
Start Test Date:	2023.06.08	Finish Test Date:	2023.07.20
Test Engineer:	RICK Luo	Auditor:	Edward Pan
Temperature:	26.1°C	Relative Humidity:	51%
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	2401.668	2402.364	0.5	PASS
		2440	0.688	2439.684	2440.372	0.5	PASS
		2480	0.704	2479.672	2480.376	0.5	PASS

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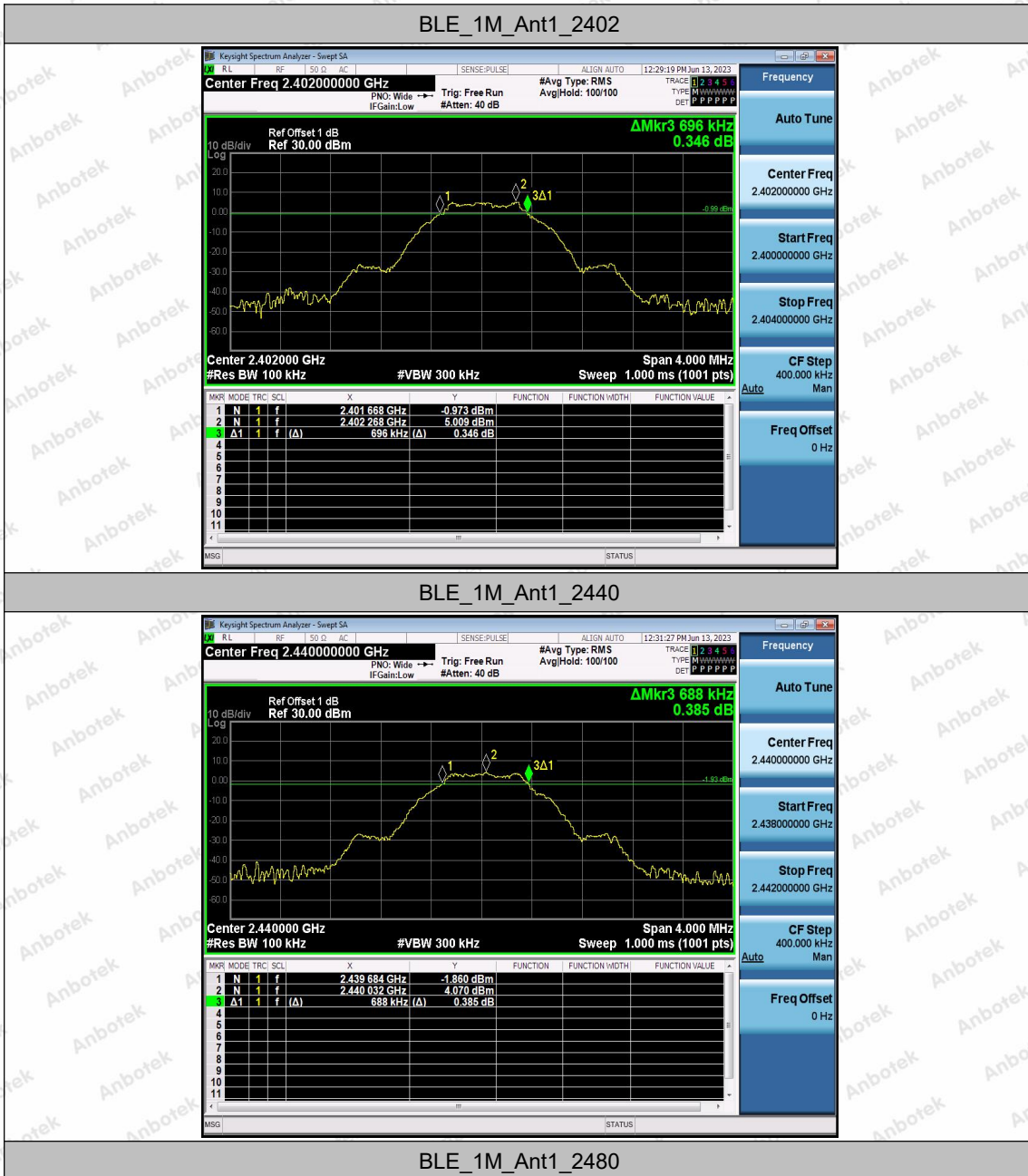
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Test Graphs



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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	1.0192	2401.5213	2402.5405
		2440	1.0344	2439.5138	2440.5482
		2480	1.0359	2479.5169	2480.5528

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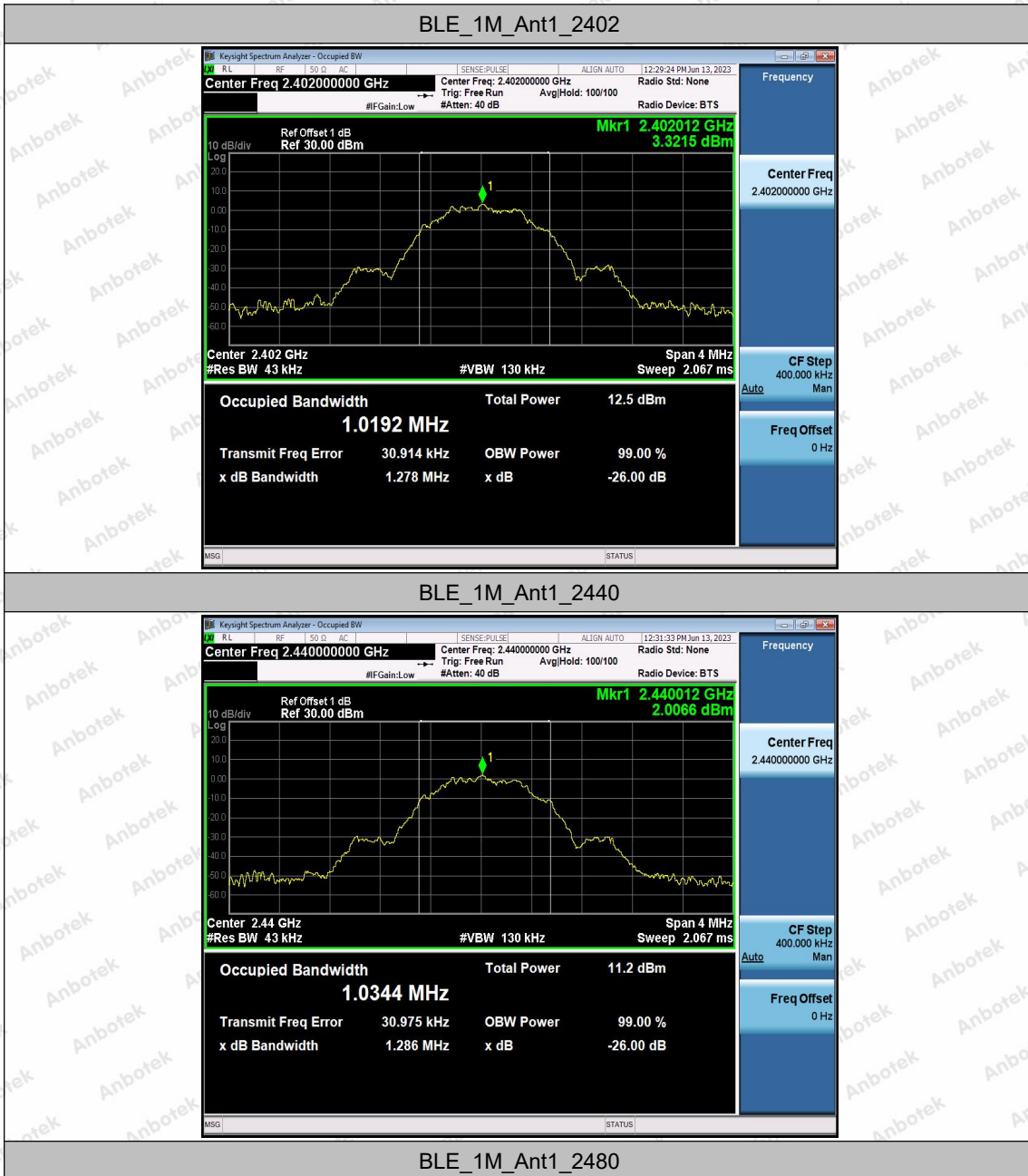
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	11.47	≤30	PASS
		2440	11.31	≤30	PASS
		2480	11.35	≤30	PASS

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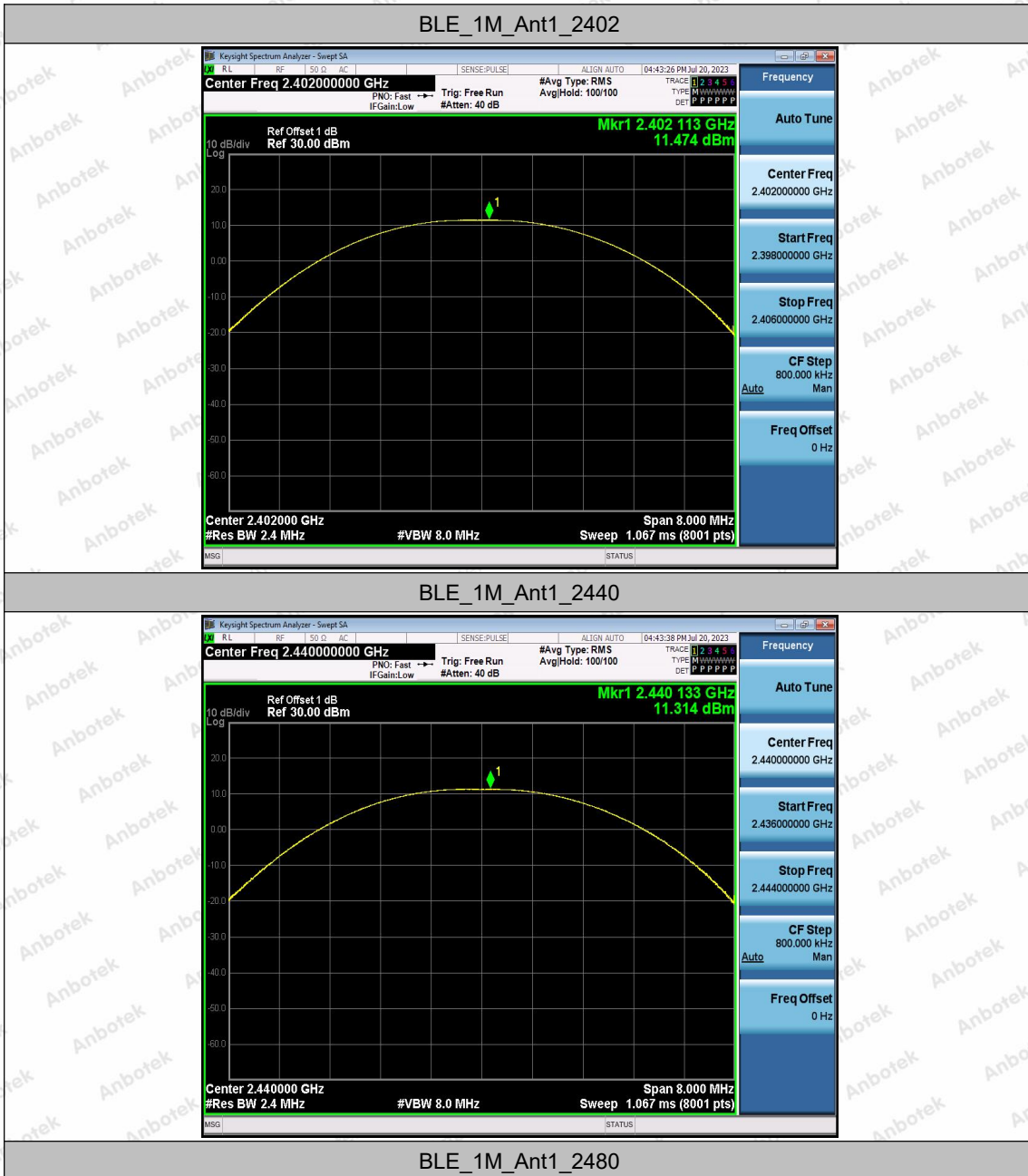
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Test Graphs Peak

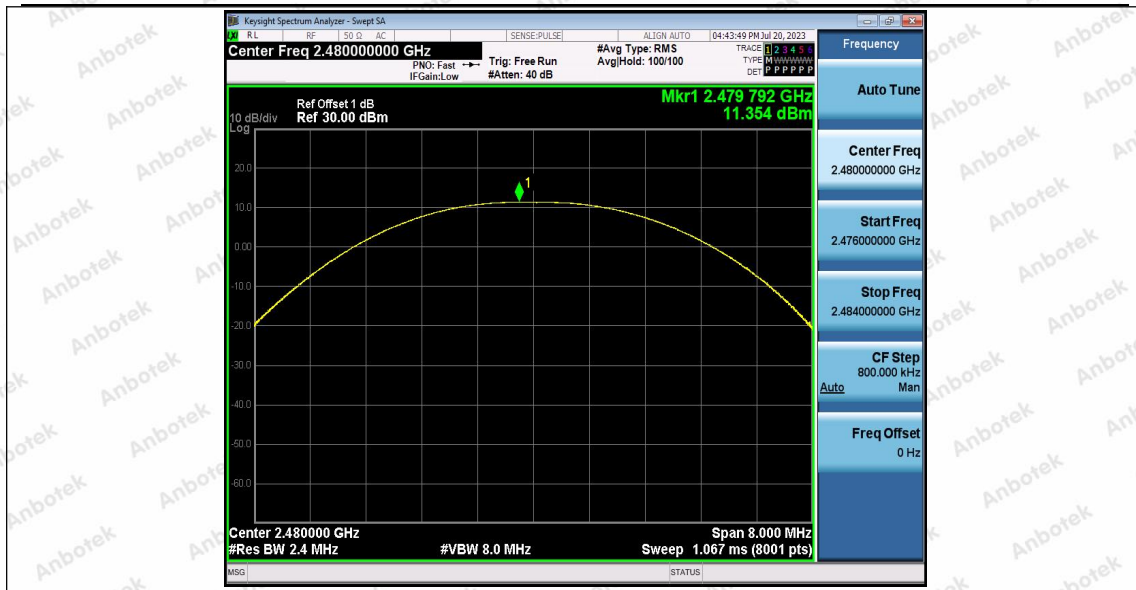


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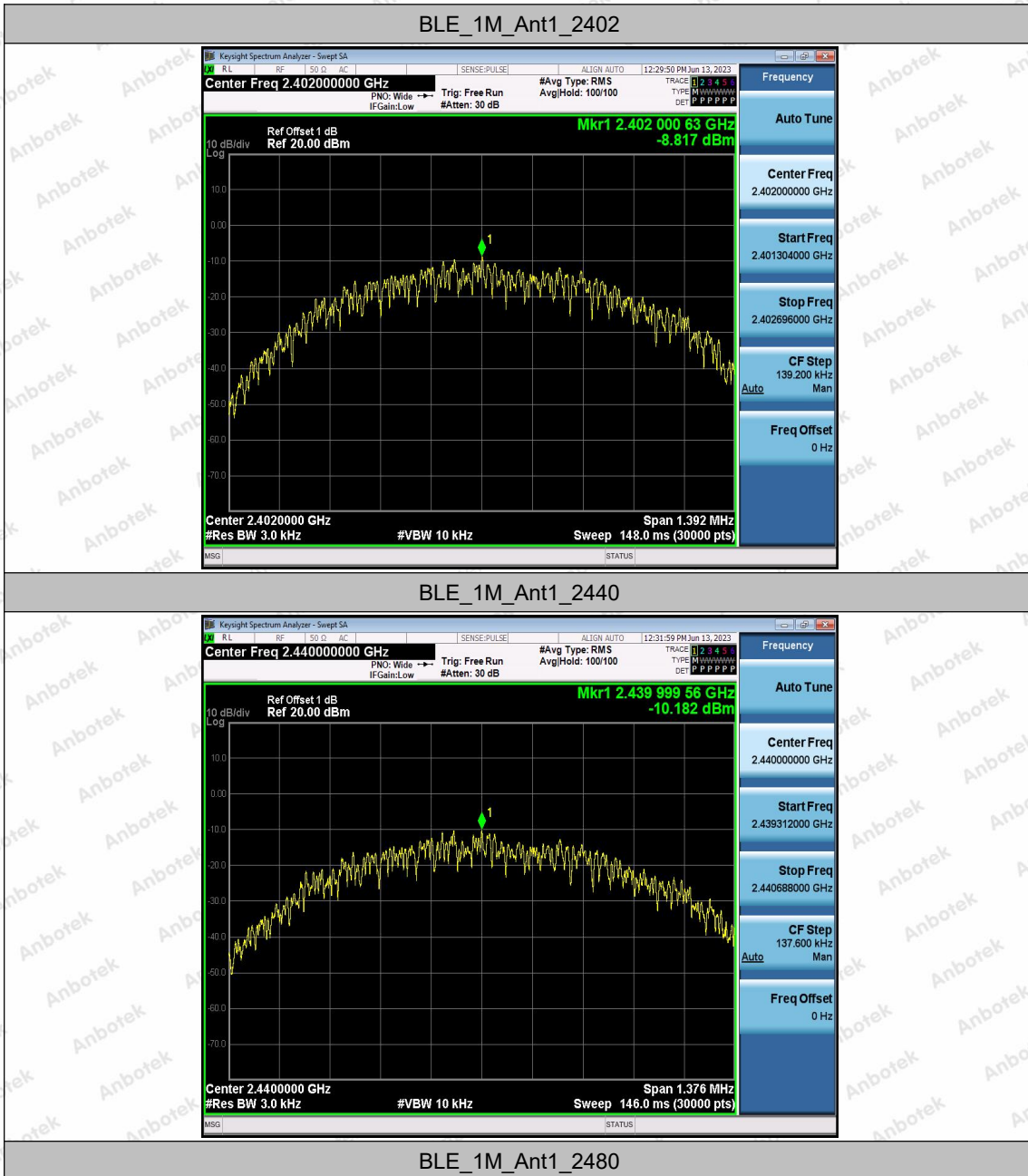
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.82	≤8.00	PASS
		2440	-10.18	≤8.00	PASS
		2480	-11.67	≤8.00	PASS



Test Graphs

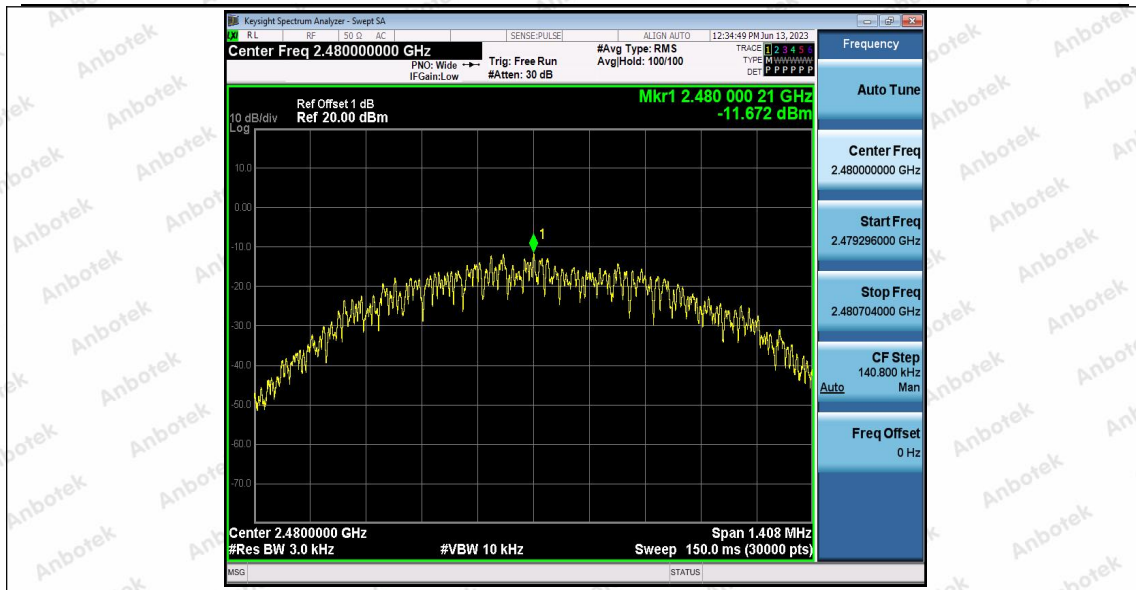


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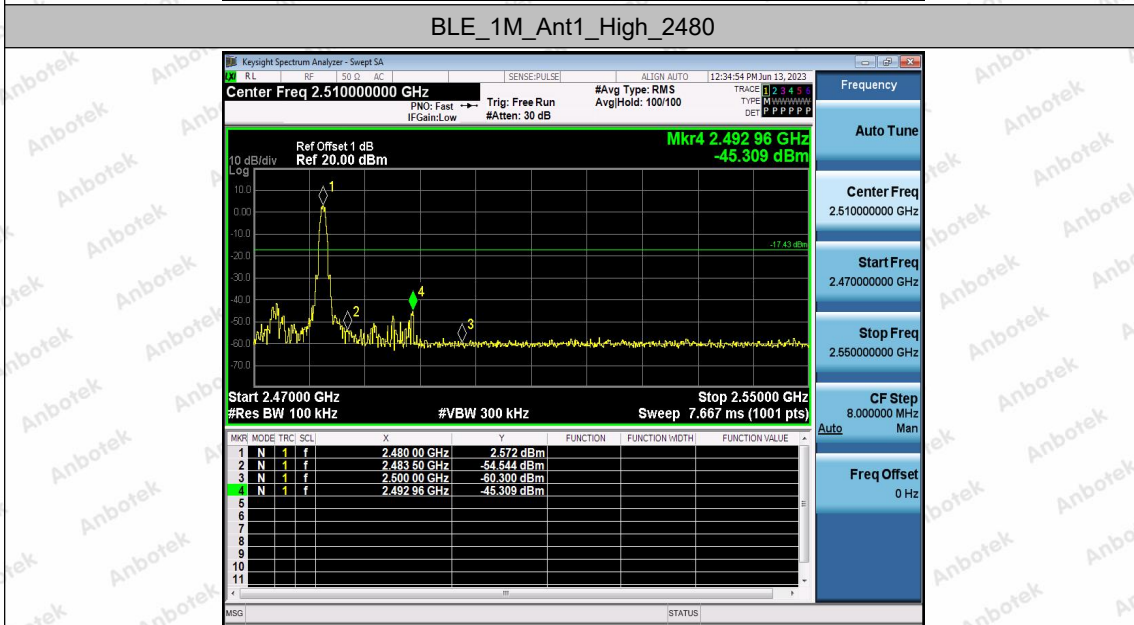
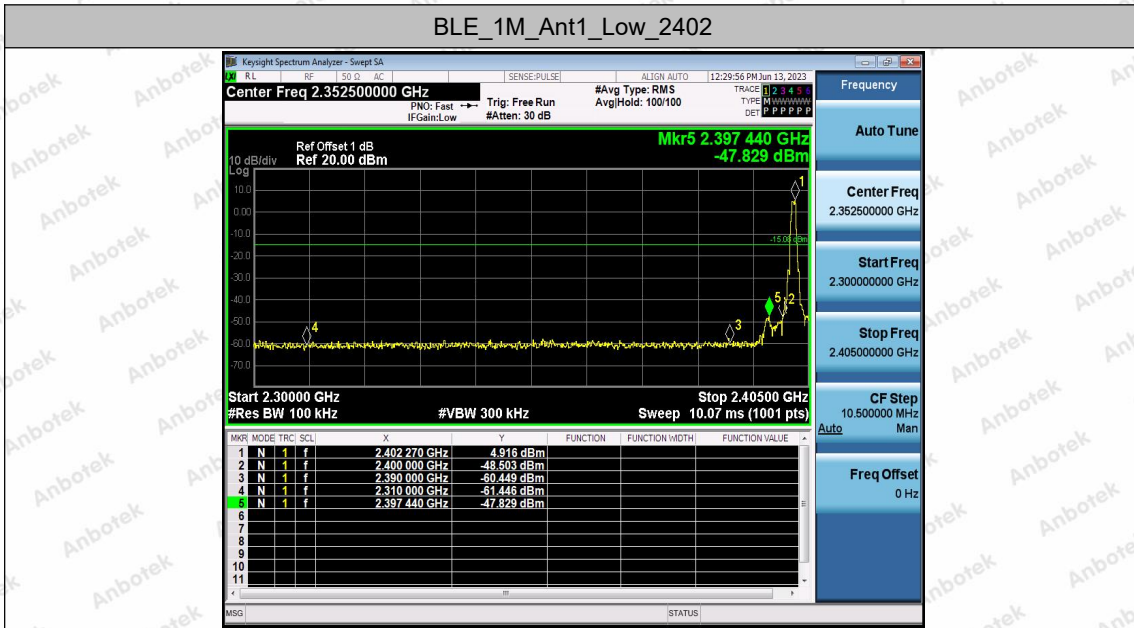
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.92	-47.83	≤-15.08	PASS
		High	2480	2.57	-45.31	≤-17.43	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	4.49	4.49	---	PASS
			30~1000	4.49	-58.68	≤-15.51	PASS
			1000~26500	4.49	-49.63	≤-15.51	PASS
		2440	Reference	2.92	2.92	---	PASS
			30~1000	2.92	-56.7	≤-17.08	PASS
			1000~26500	2.92	-50.92	≤-17.08	PASS
		2480	Reference	1.55	1.55	---	PASS
			30~1000	1.55	-57.1	≤-18.45	PASS
			1000~26500	1.55	-52.98	≤-18.45	PASS

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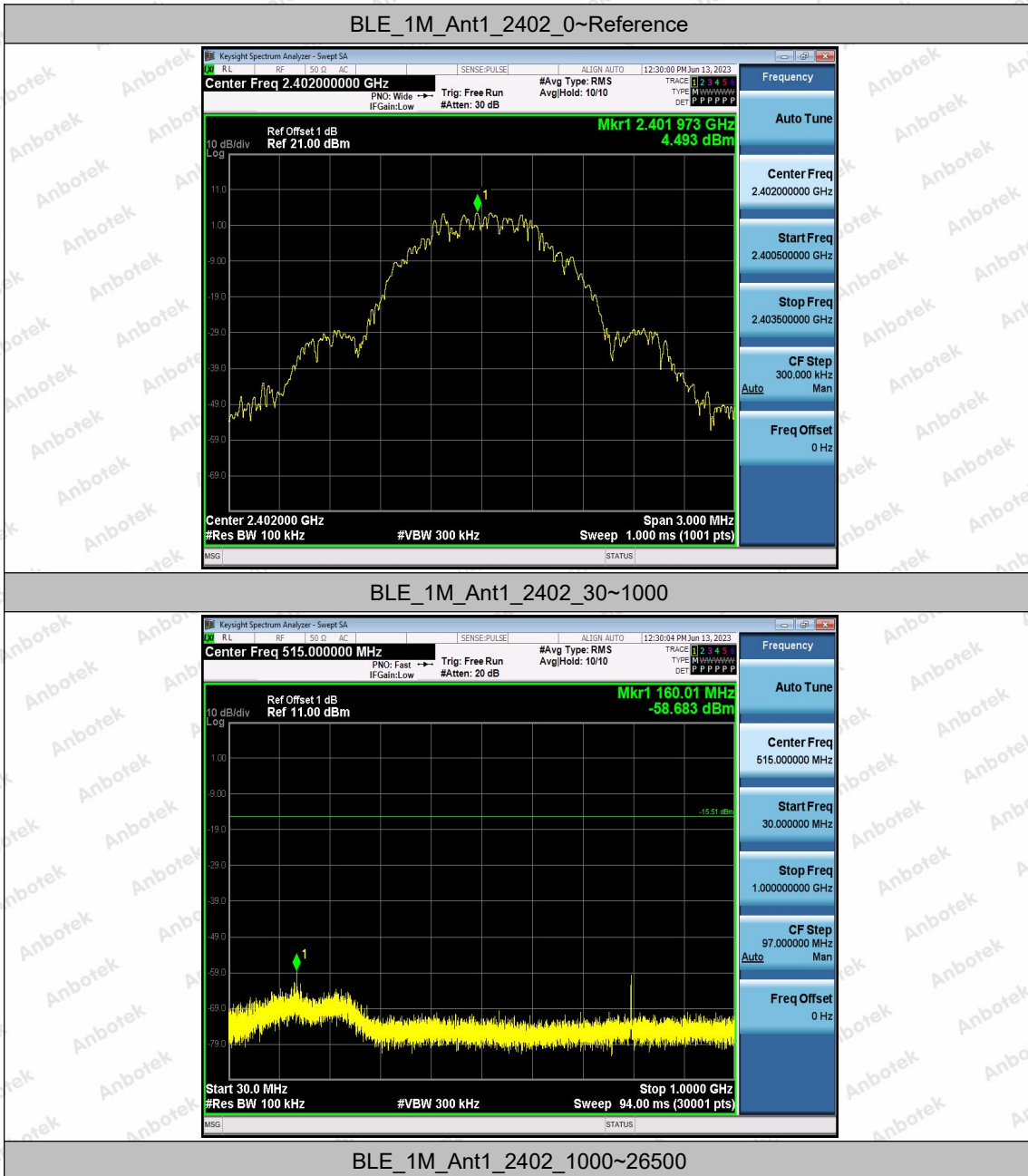
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Test Graphs

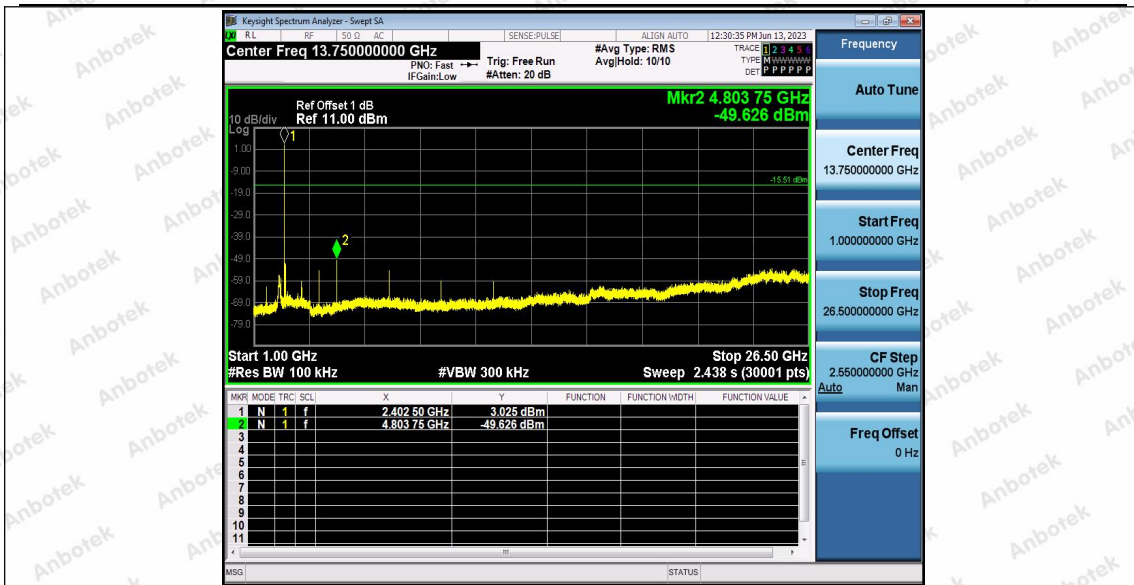


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BLE_1M_Ant1_2440_0~Reference



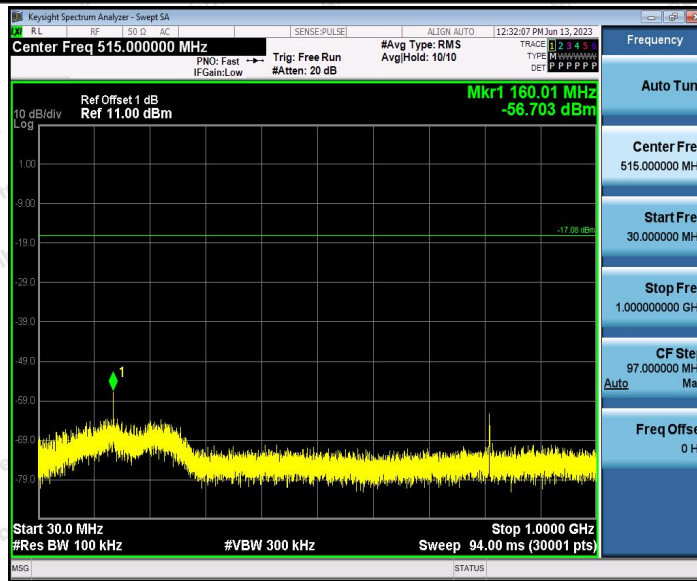
BLE_1M_Ant1_2440_30~1000

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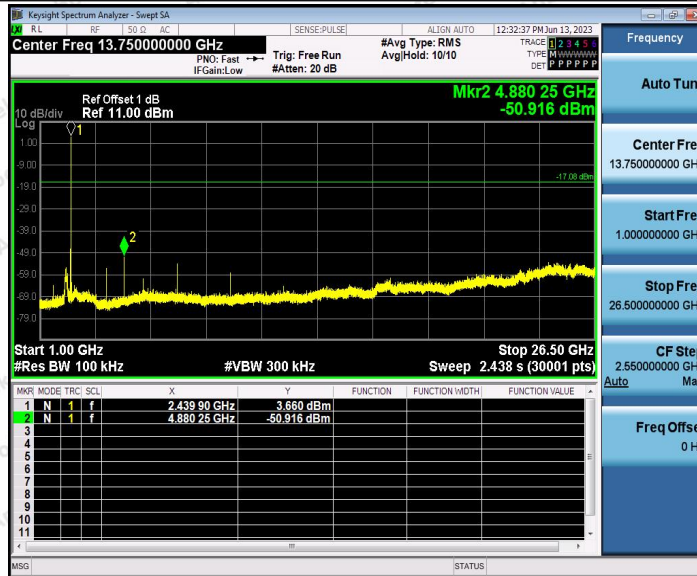
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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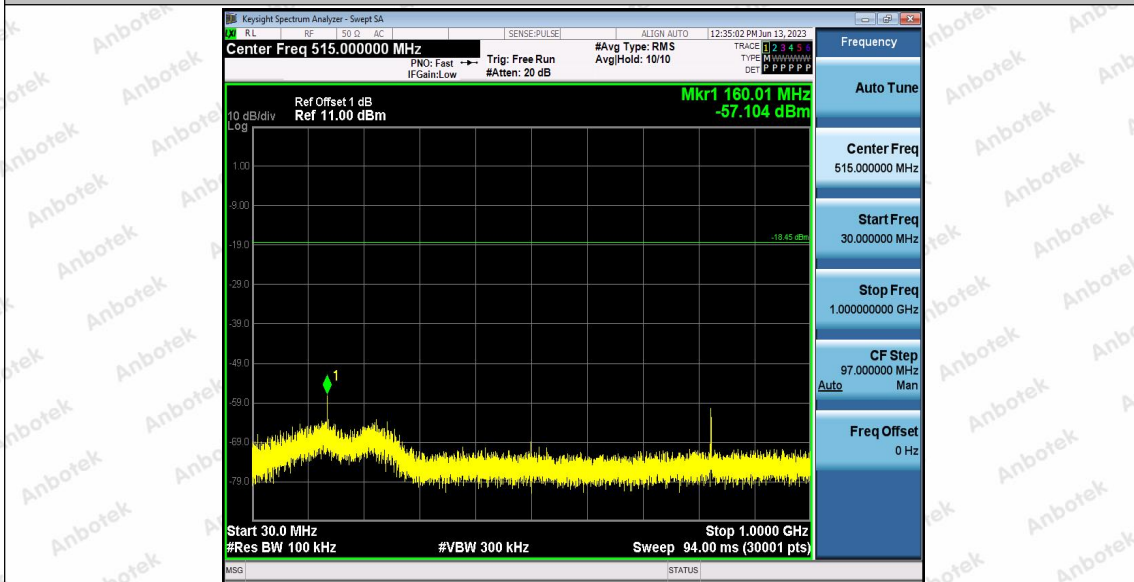
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BLE_1M_Ant1_2480_30~1000



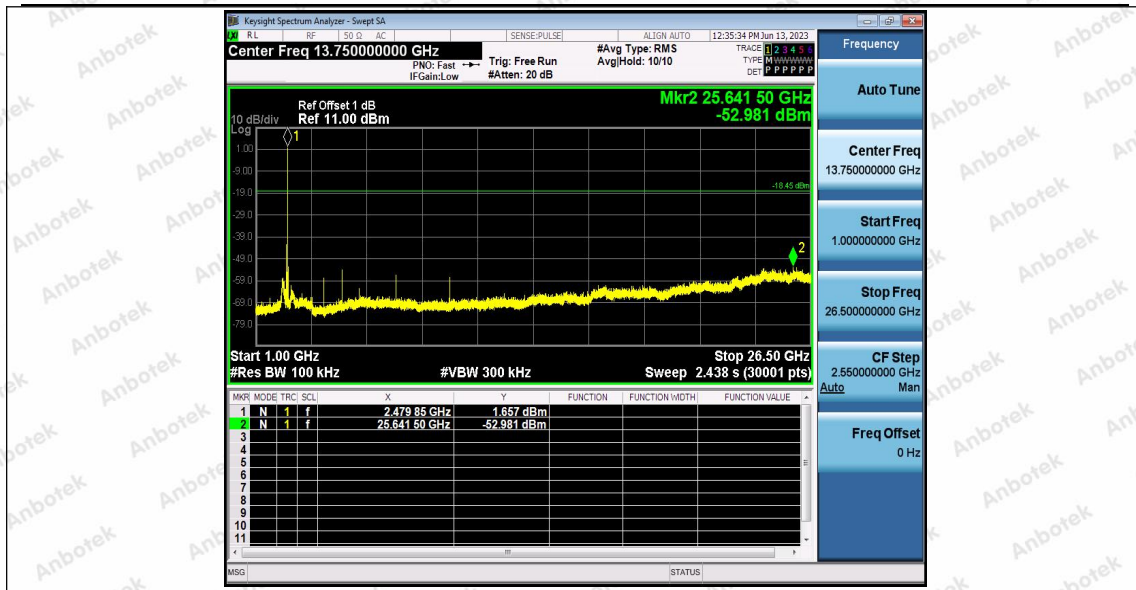
BLE_1M_Ant1_2480_1000~26500

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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	0.39	0.62	62.90	2.01
		2440	0.39	0.62	62.90	2.01
		2480	0.39	0.62	62.90	2.01

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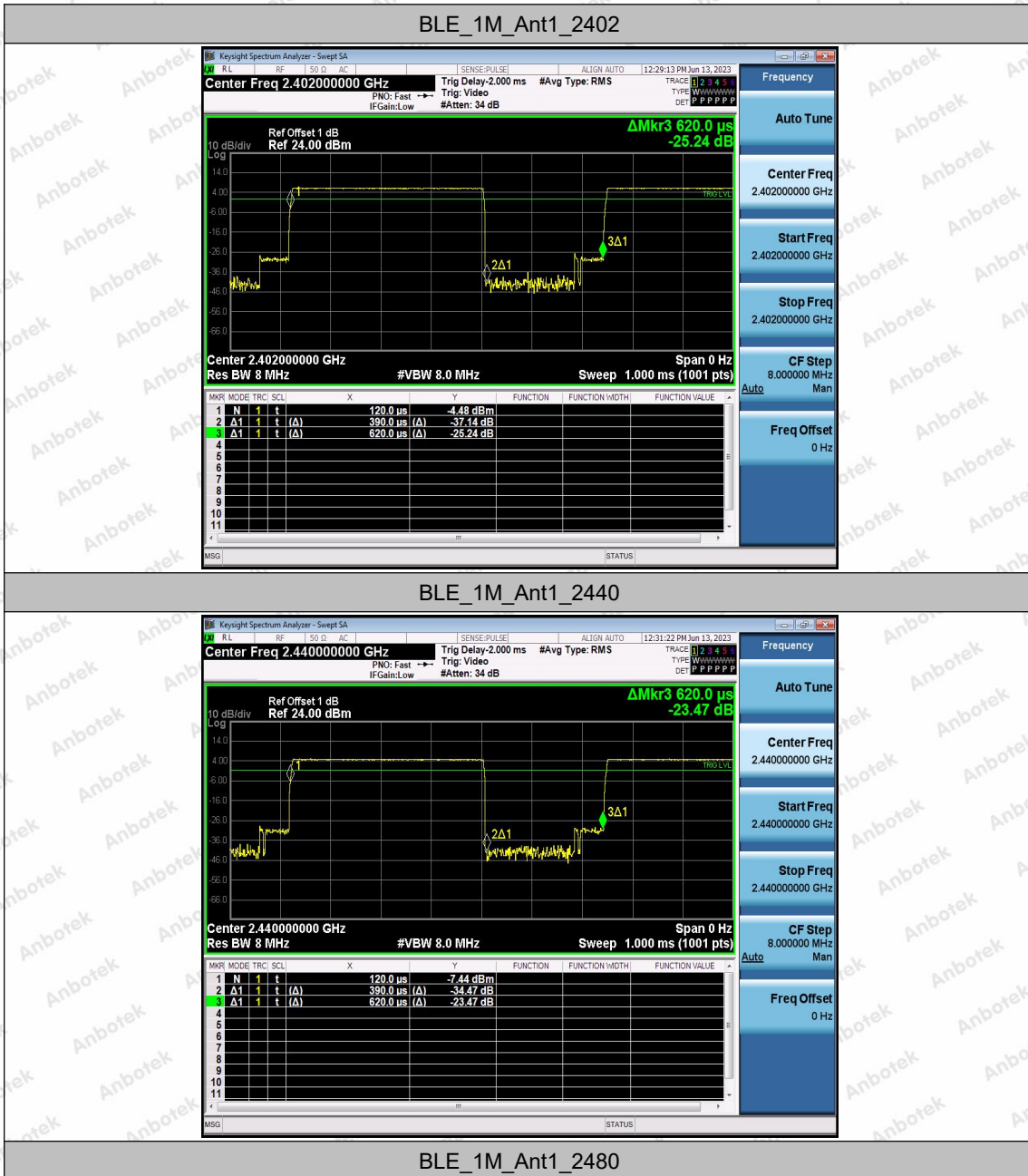
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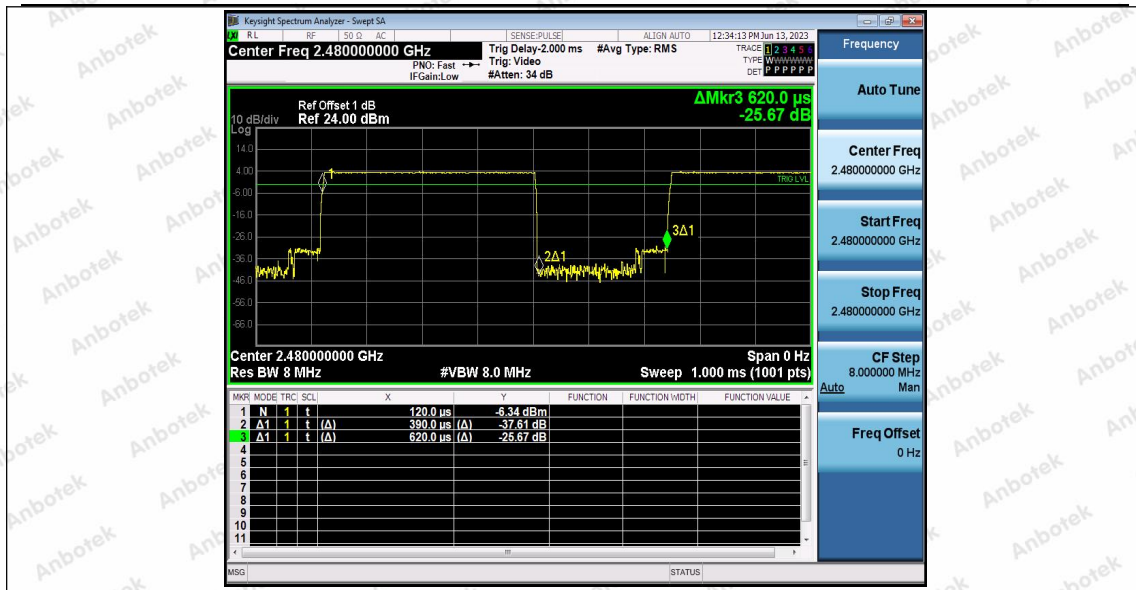


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