

Appendix Test Data

Report No.:	18220WC30199501	Test Sample No.:	1-2-2
Start Test Date:	2023.09.12	Finish Test Date:	2023.09.14
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.3°C	Relative Humidity:	48%
Pressure:	102kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.688	2401.636	2402.324	0.5	PASS
		2440	0.672	2439.660	2440.332	0.5	PASS
		2480	0.672	2479.656	2480.328	0.5	PASS

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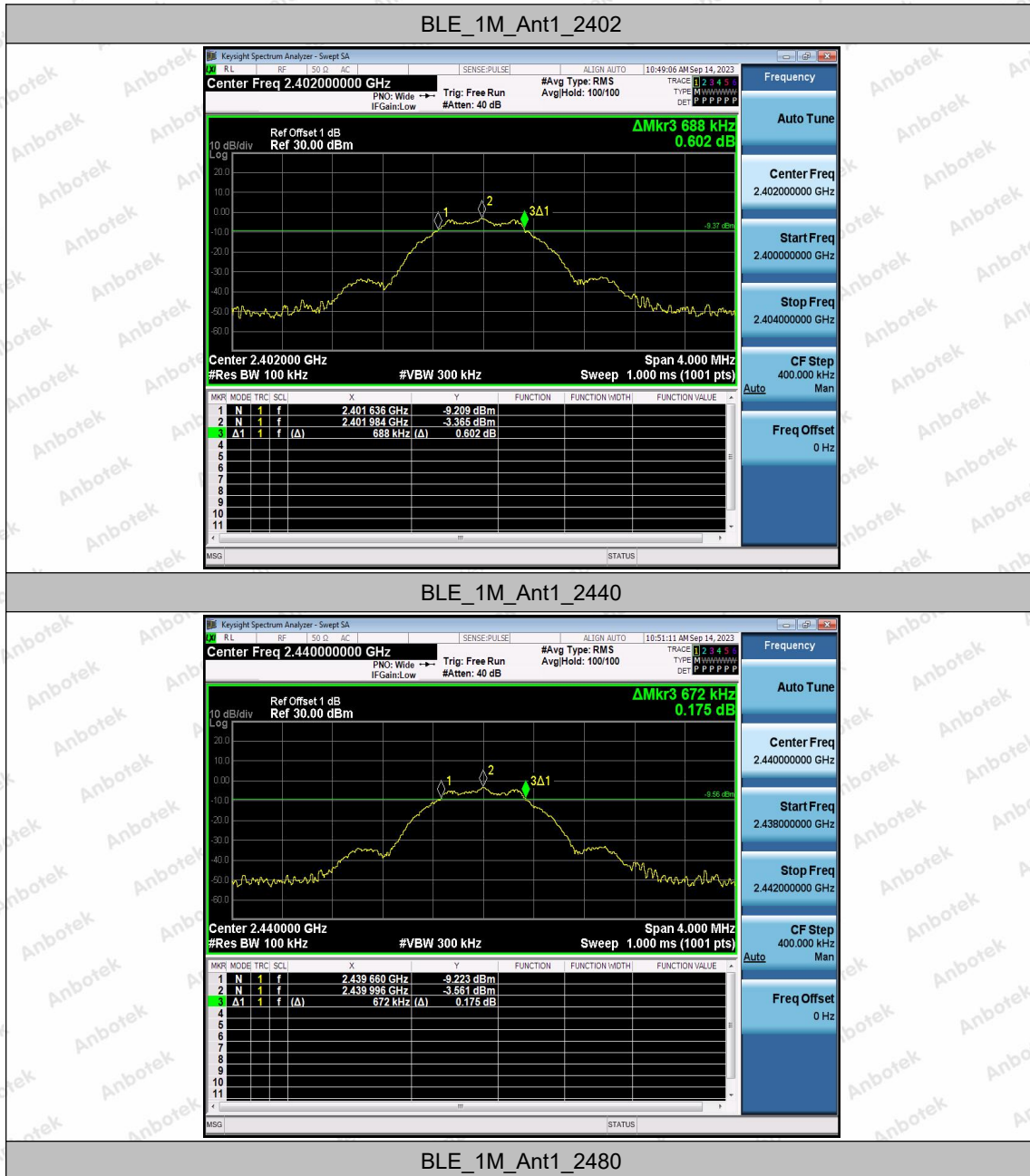
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Test Graphs



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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	1.0454	2401.4766	2402.5220
		2440	1.0486	2439.4730	2440.5216
		2480	1.0561	2479.4734	2480.5295

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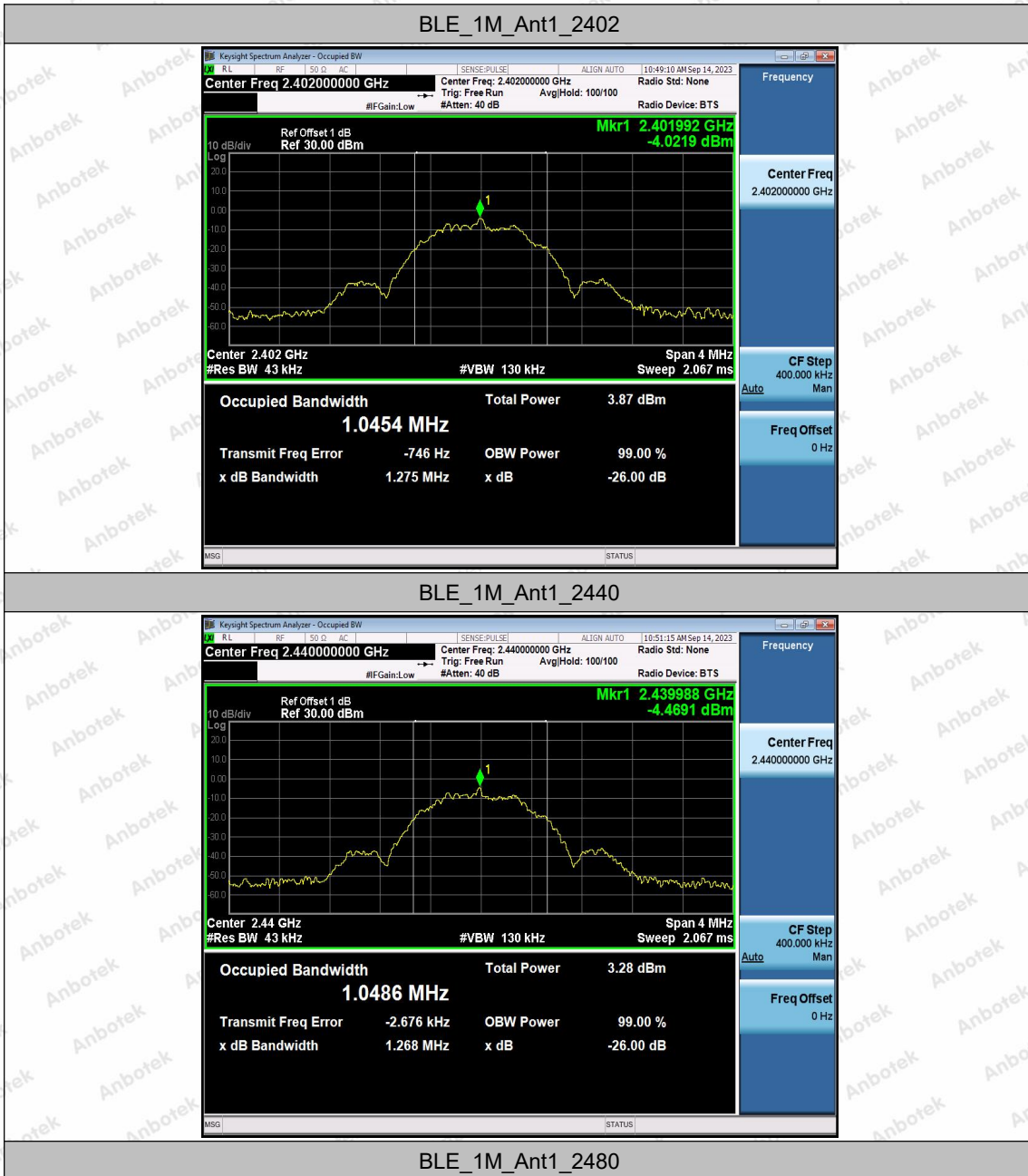
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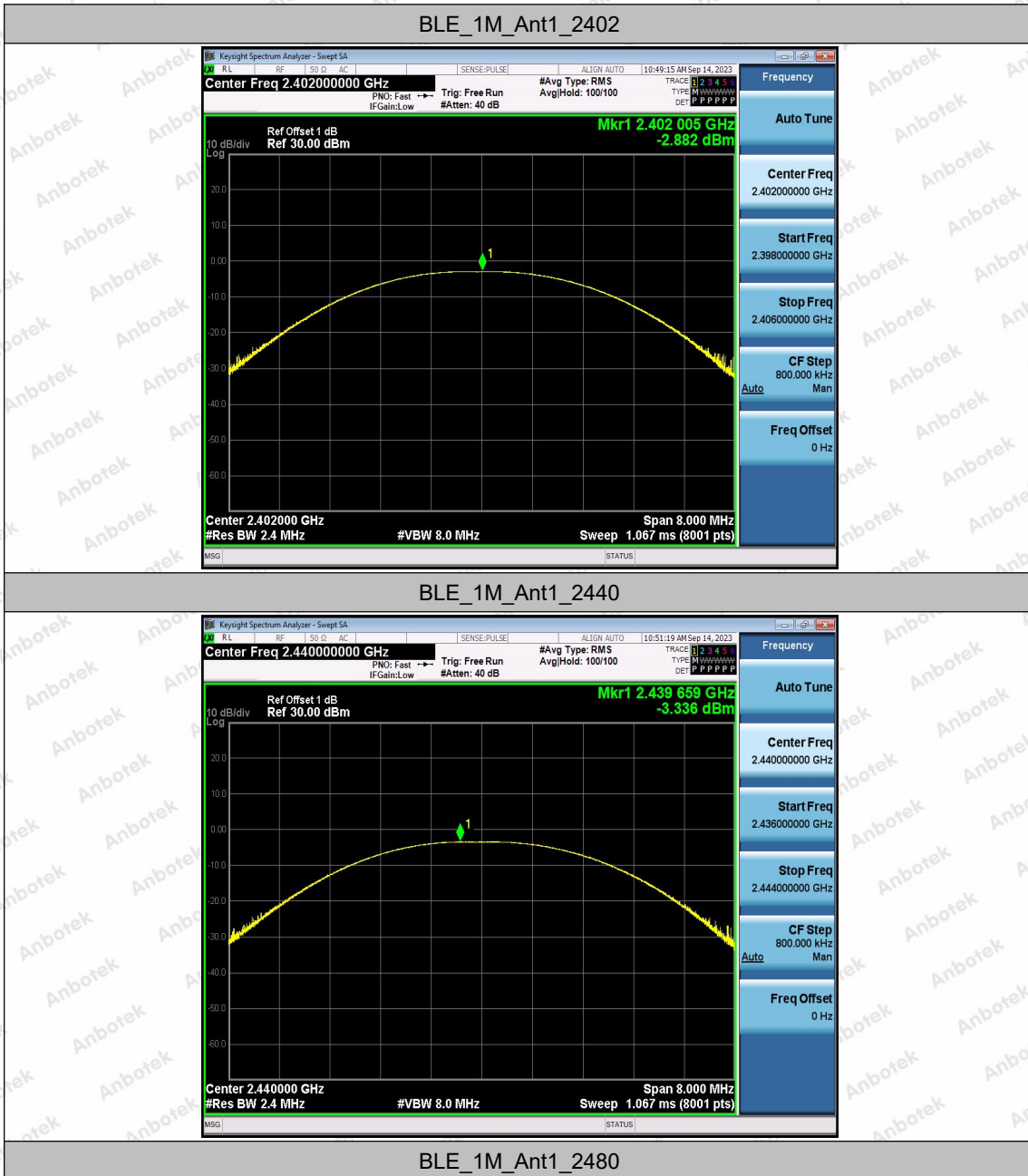
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.88	≤30	PASS
		2440	-3.34	≤30	PASS
		2480	-4.42	≤30	PASS



Test Graphs Peak

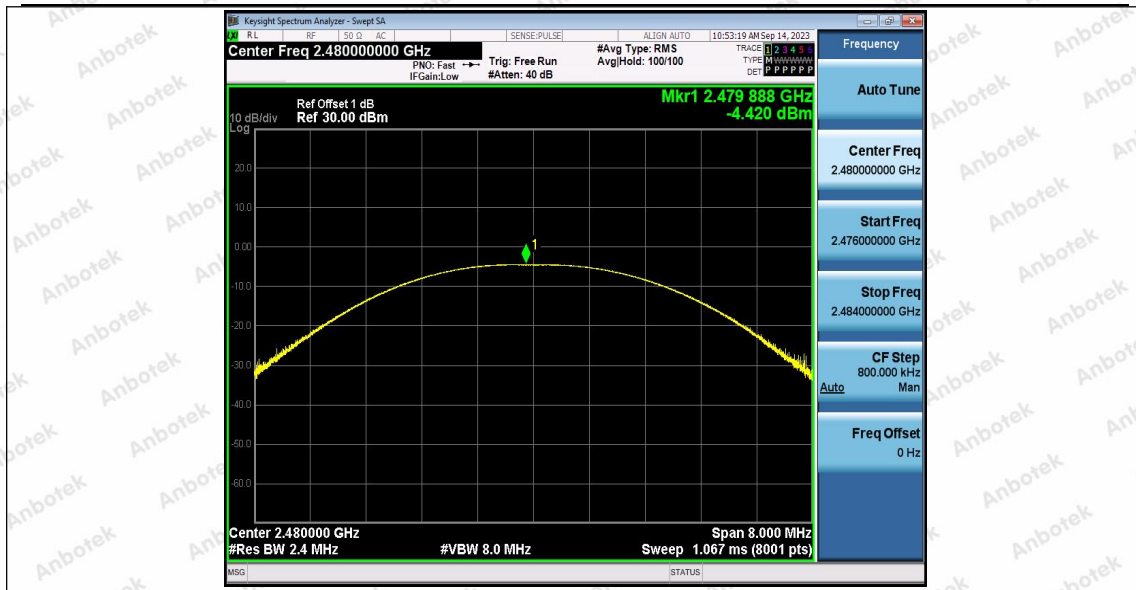


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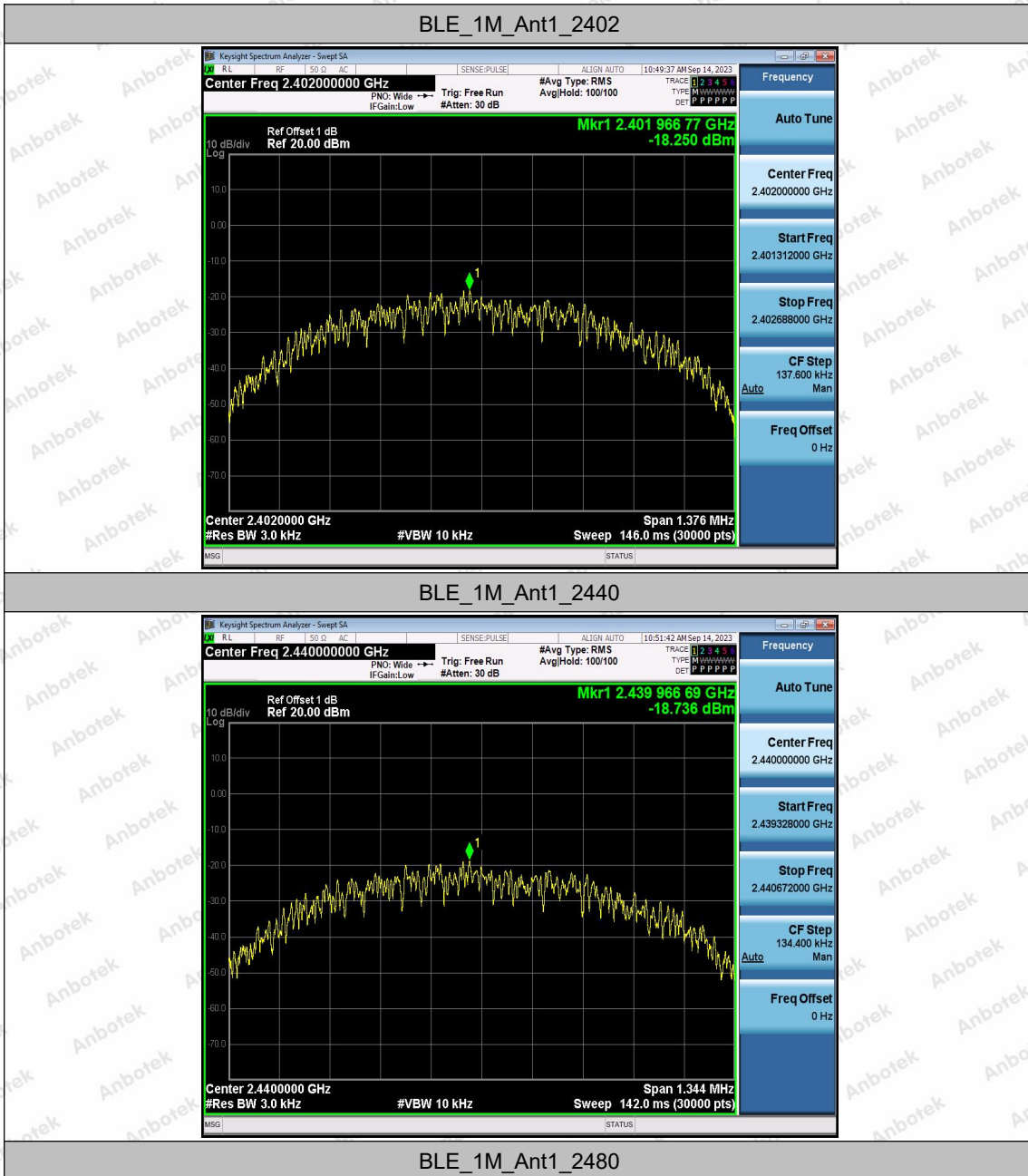
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.25	≤8.00	PASS
		2440	-18.74	≤8.00	PASS
		2480	-19.93	≤8.00	PASS



Test Graphs



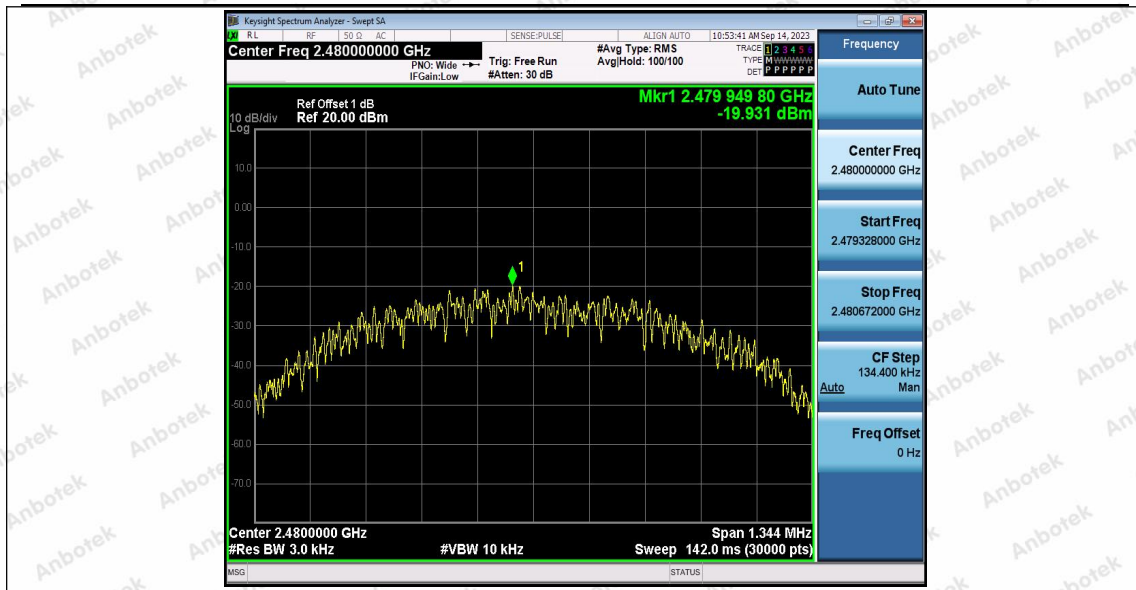
BLE_1M_Ant1_2480

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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	-3.08	-51.3	≤-23.08	PASS
		High	2480	-4.50	-56.76	≤-24.5	PASS

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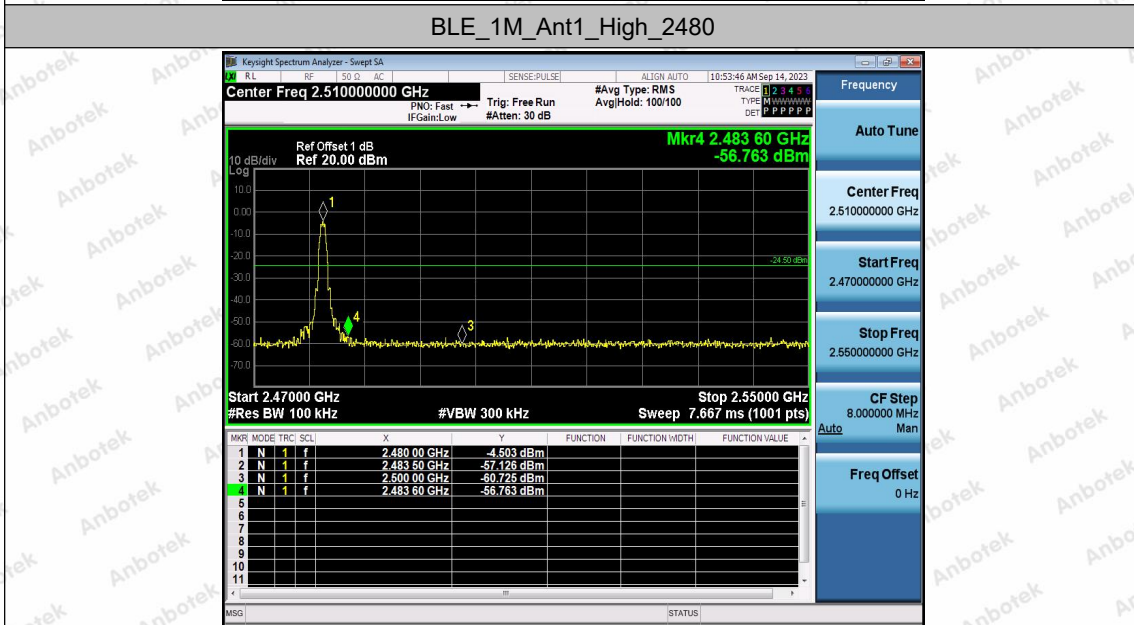
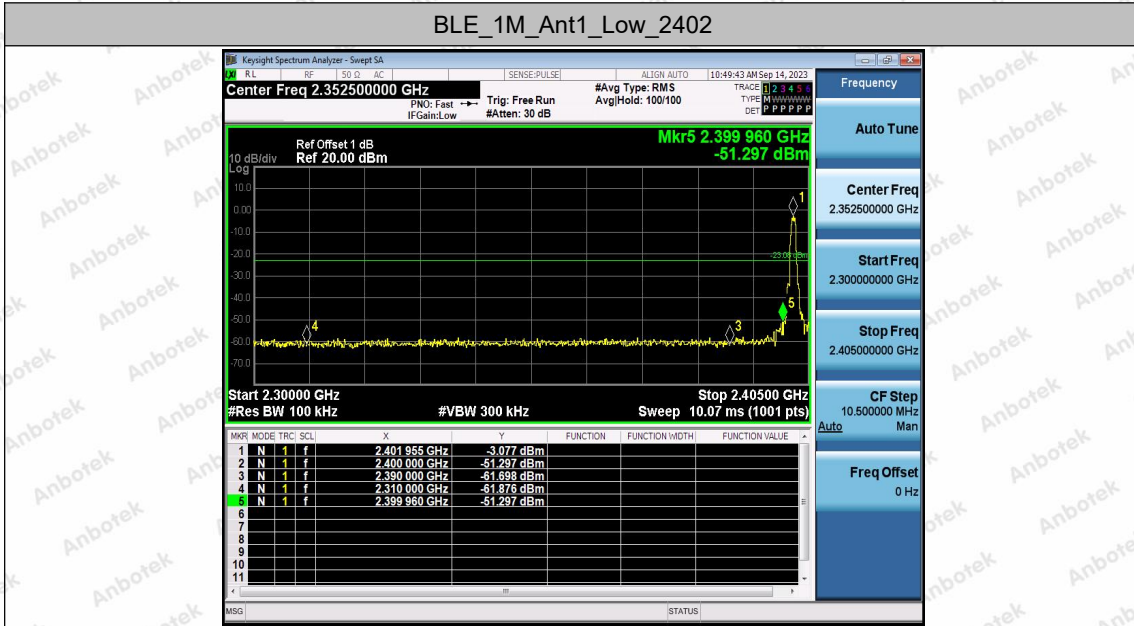
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Test Graphs



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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	-3.87	-3.87	---	PASS
			30~1000	-3.87	-69.23	≤-23.87	PASS
			1000~26500	-3.87	-35.55	≤-23.87	PASS
		2440	Reference	-3.91	-3.91	---	PASS
			30~1000	-3.91	-69.59	≤-23.91	PASS
			1000~26500	-3.91	-35.7	≤-23.91	PASS
		2480	Reference	-5.36	-5.36	---	PASS
			30~1000	-5.36	-69.27	≤-25.36	PASS
			1000~26500	-5.36	-38.13	≤-25.36	PASS

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Test Graphs

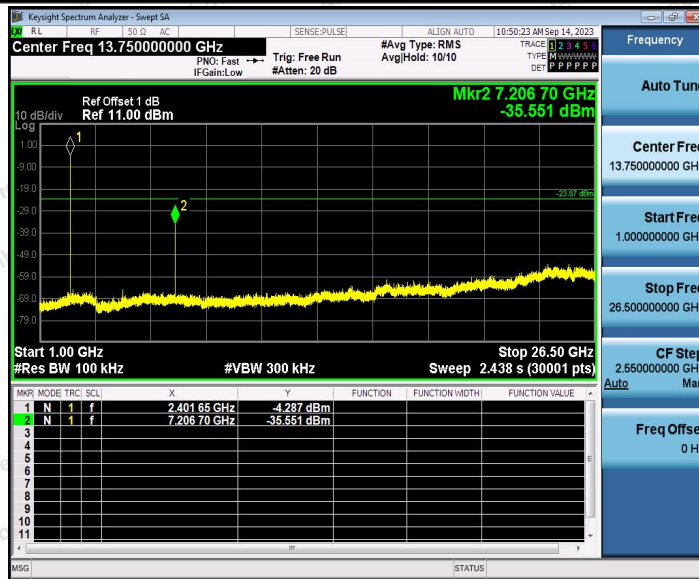


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BLE_1M_Ant1_2440_0~Reference



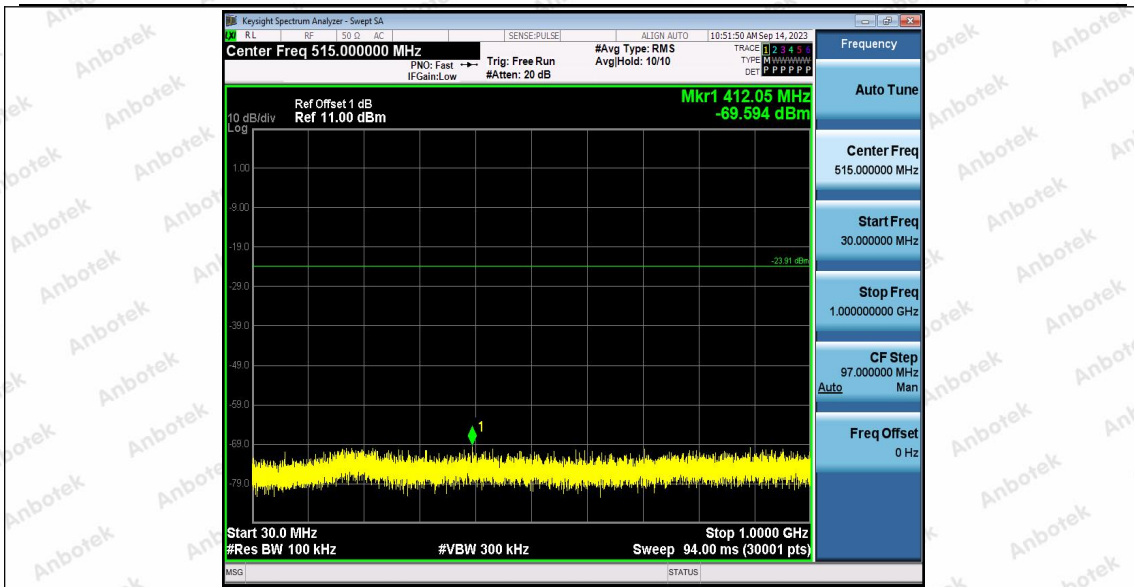
BLE_1M_Ant1_2440_30~1000

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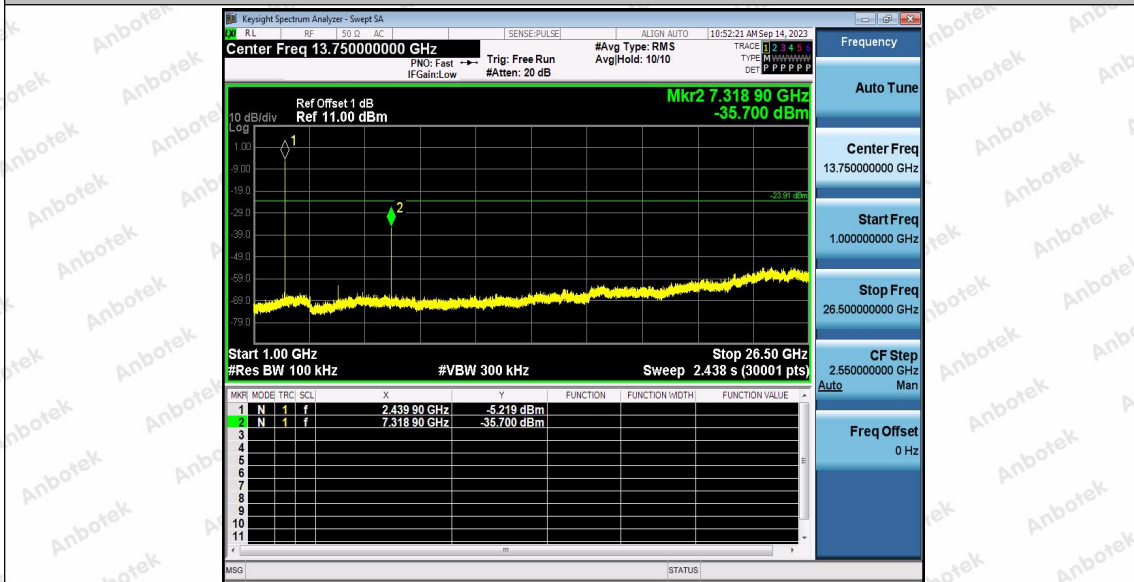
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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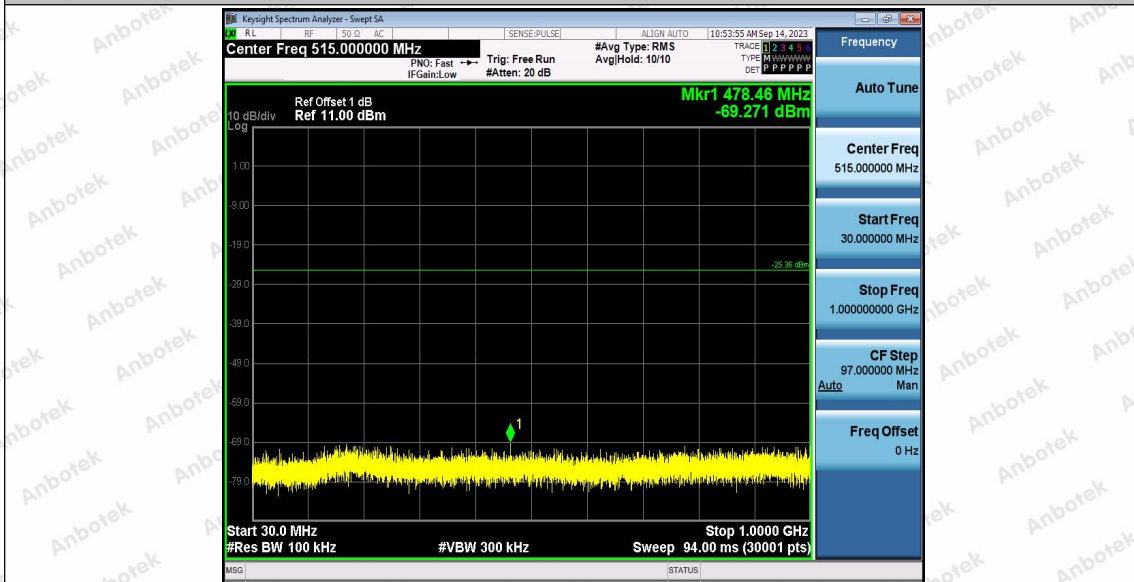
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BLE_1M_Ant1_2480_30~1000



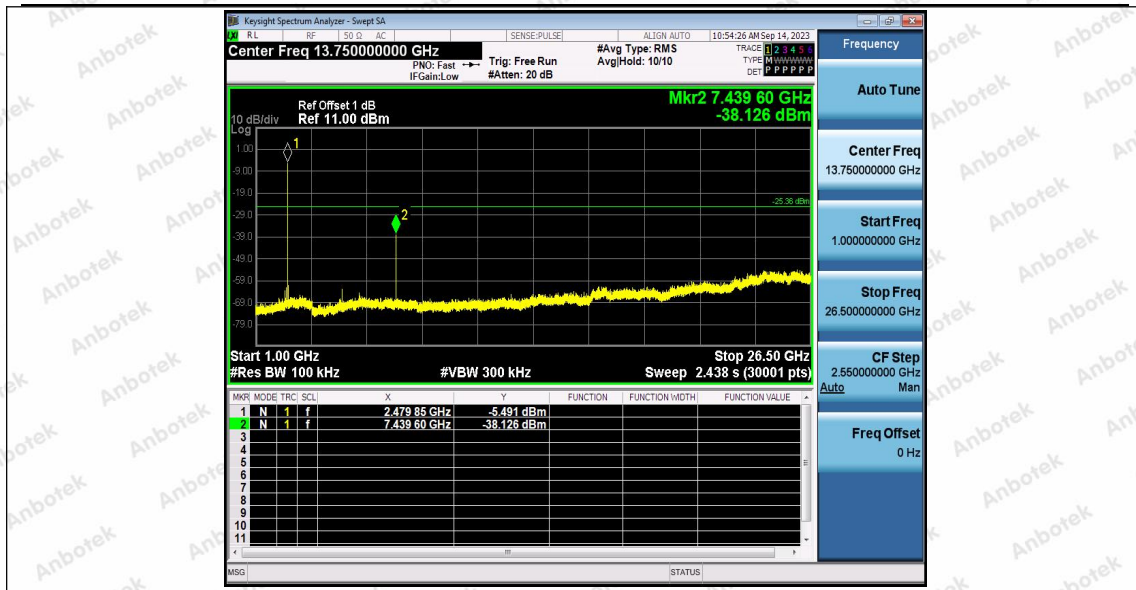
BLE_1M_Ant1_2480_1000~26500

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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	0.40	0.63	63.49	1.97
		2440	0.40	0.63	63.49	1.97
		2480	0.40	0.63	63.49	1.97

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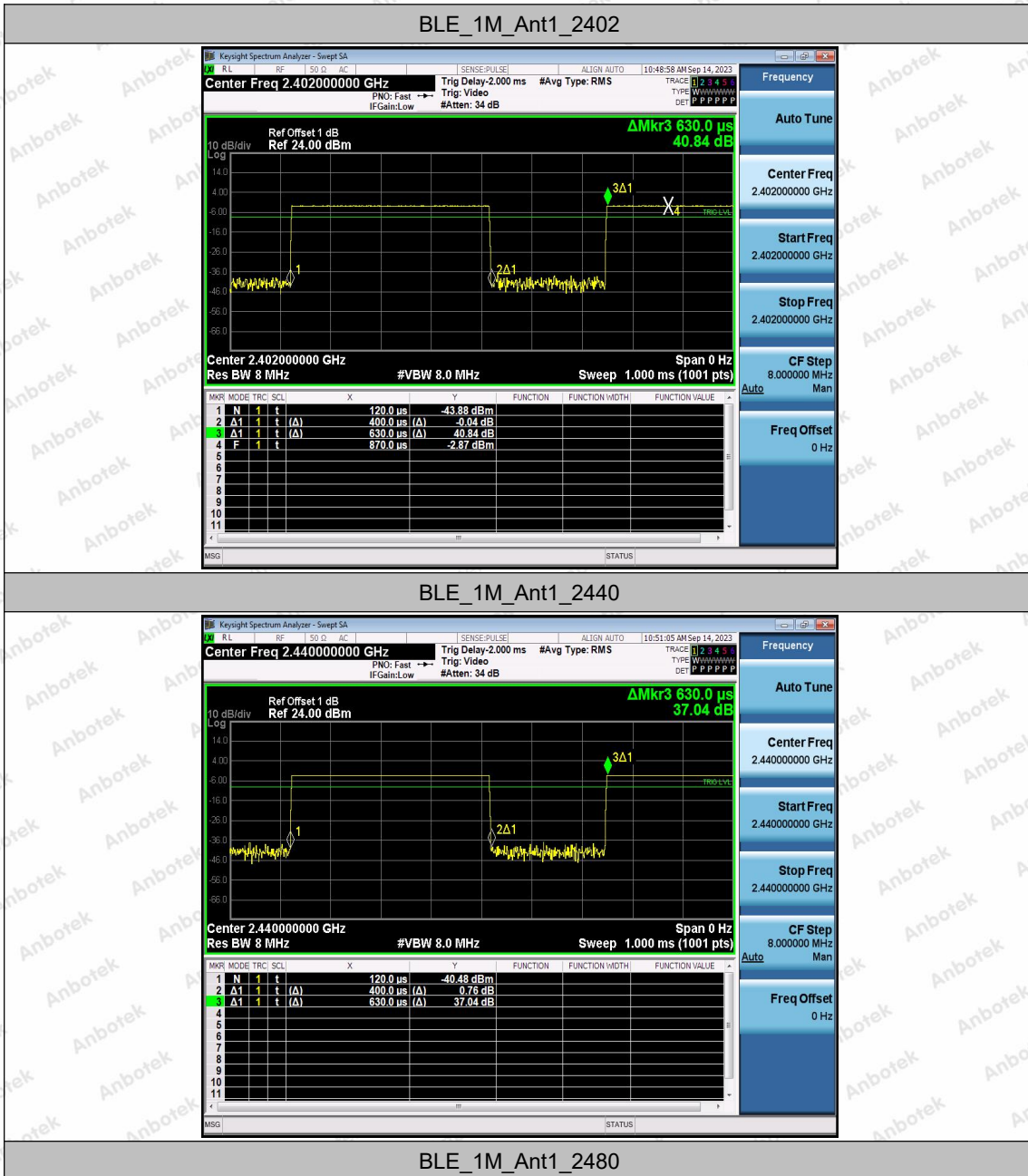
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Test Graphs



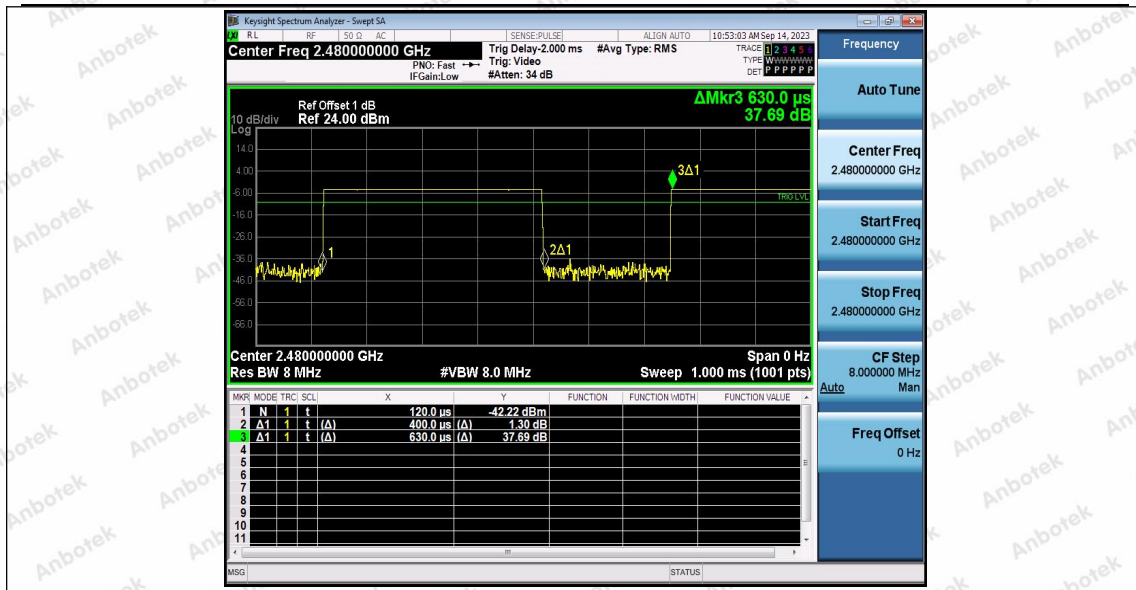
BLE_1M_Ant1_2480

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