

Appendix Test Data

Report No.:	18220WC20196302	Test Sample No.:	1-2-2
Start Test Date:	2022.8.24	Finish Test Date:	2022.9.1
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3°C	Relative Humidity:	47 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.676	2401.660	2402.336	0.5	PASS
		2440	0.696	2439.644	2440.340	0.5	PASS
		2480	0.664	2479.668	2480.332	0.5	PASS

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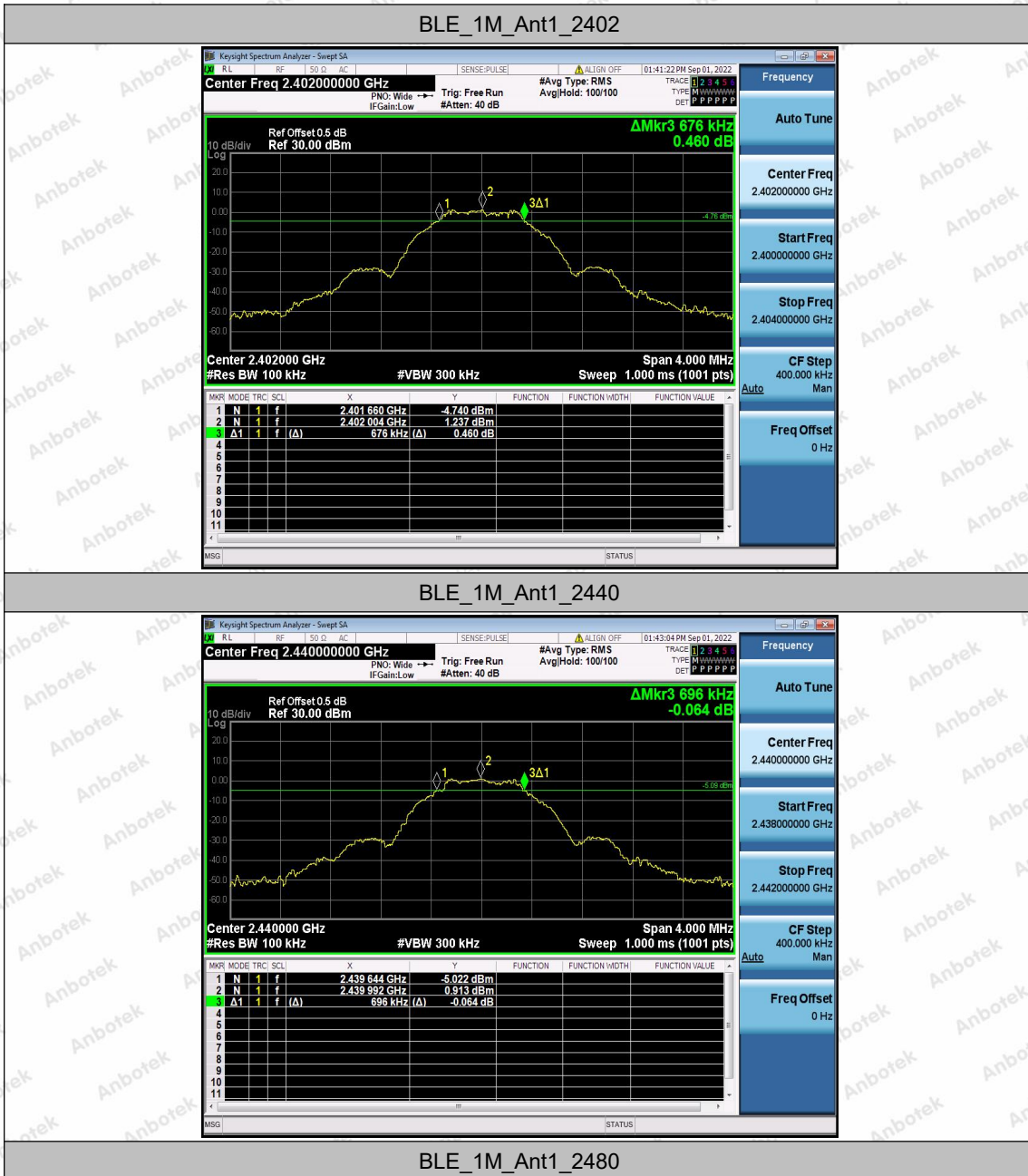
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Test Graphs

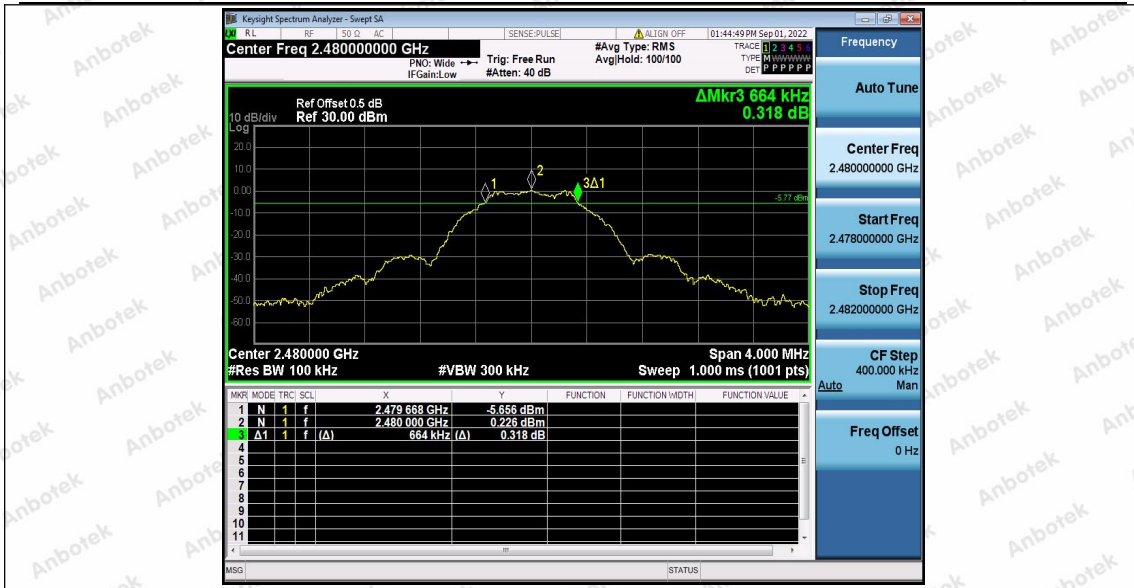


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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0296	2401.4930	2402.5226
		2440	1.0306	2439.4940	2440.5246
		2480	1.0277	2479.4953	2480.5230

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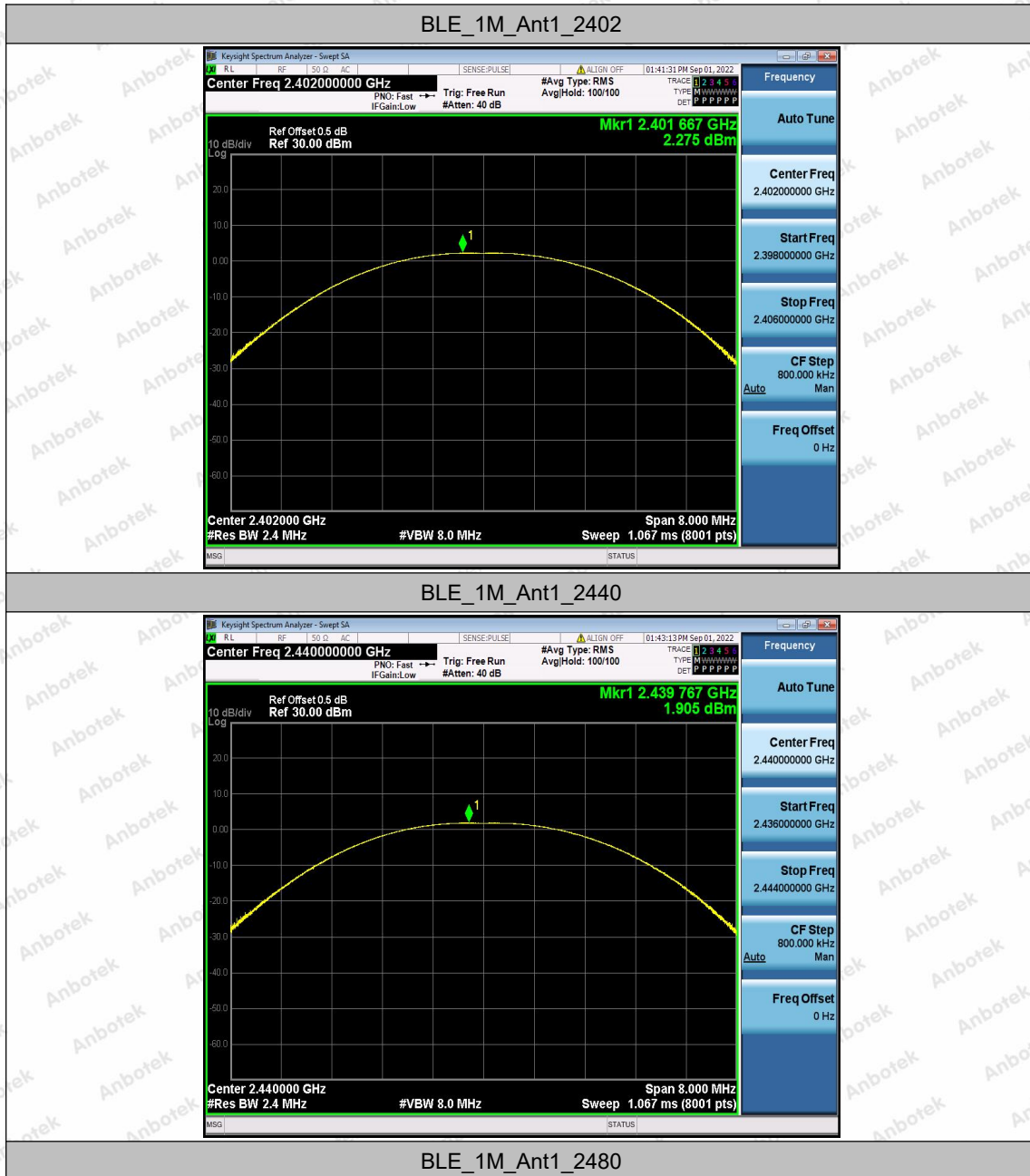
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.28	≤30	PASS
		2440	1.91	≤30	PASS
		2480	1.17	≤30	PASS



Test Graphs Peak

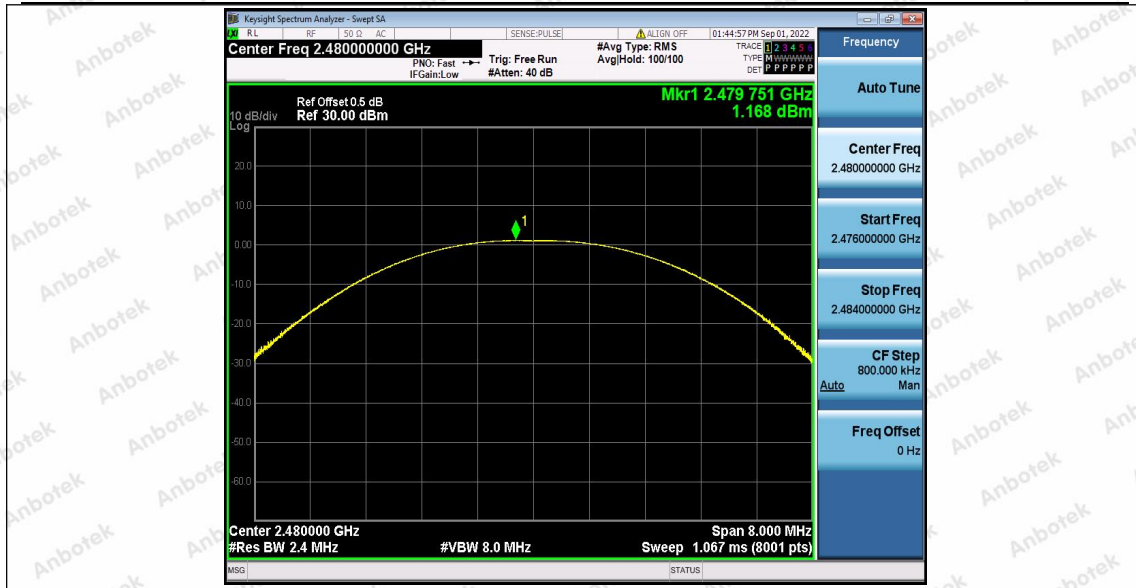


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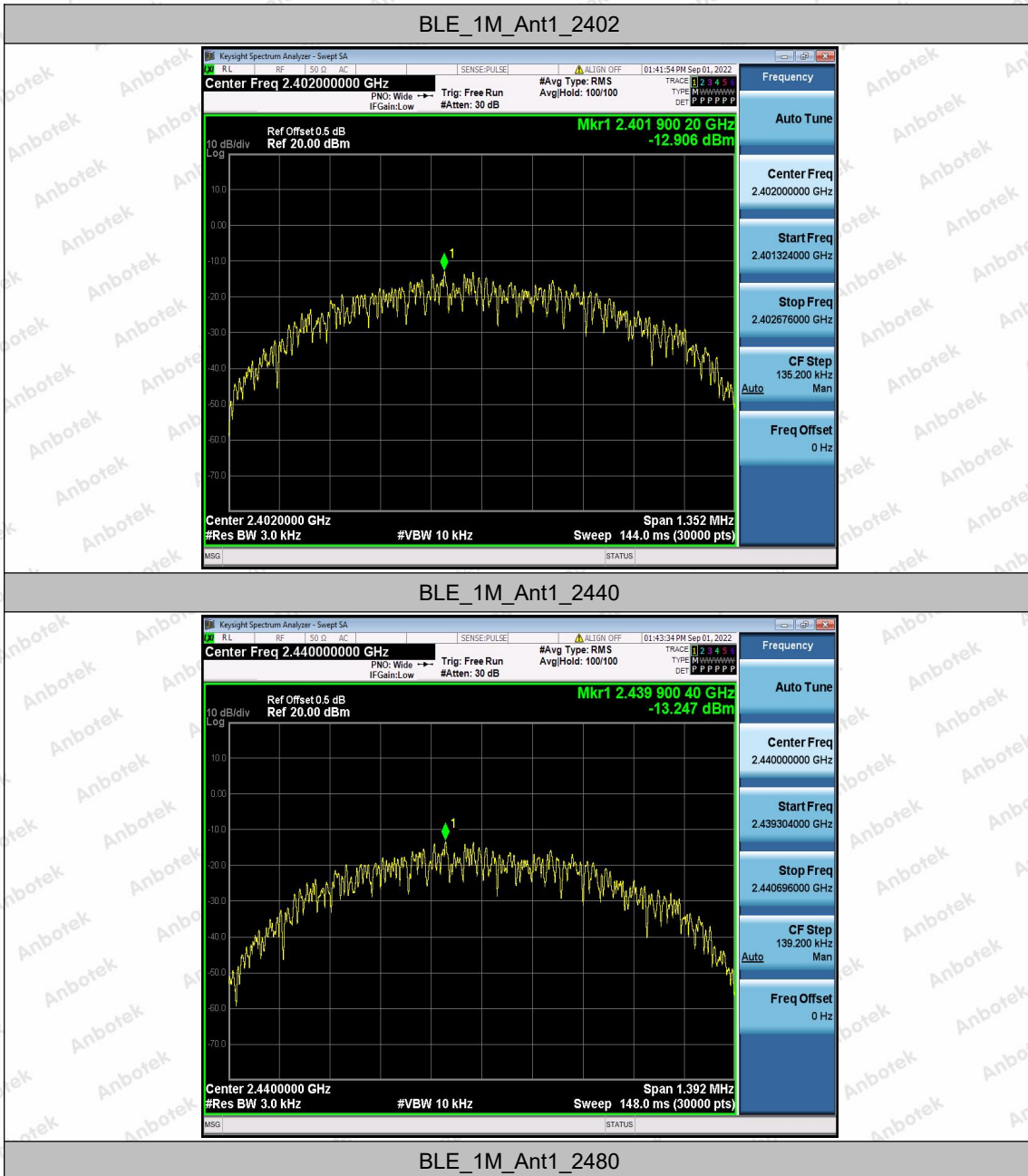
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.91	≤8.00	PASS
		2440	-13.25	≤8.00	PASS
		2480	-13.99	≤8.00	PASS



Test Graphs



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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Frequency[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.51	-57.68	≤-18.49	PASS
		High	2480	0.36	-58.2	≤-19.64	PASS

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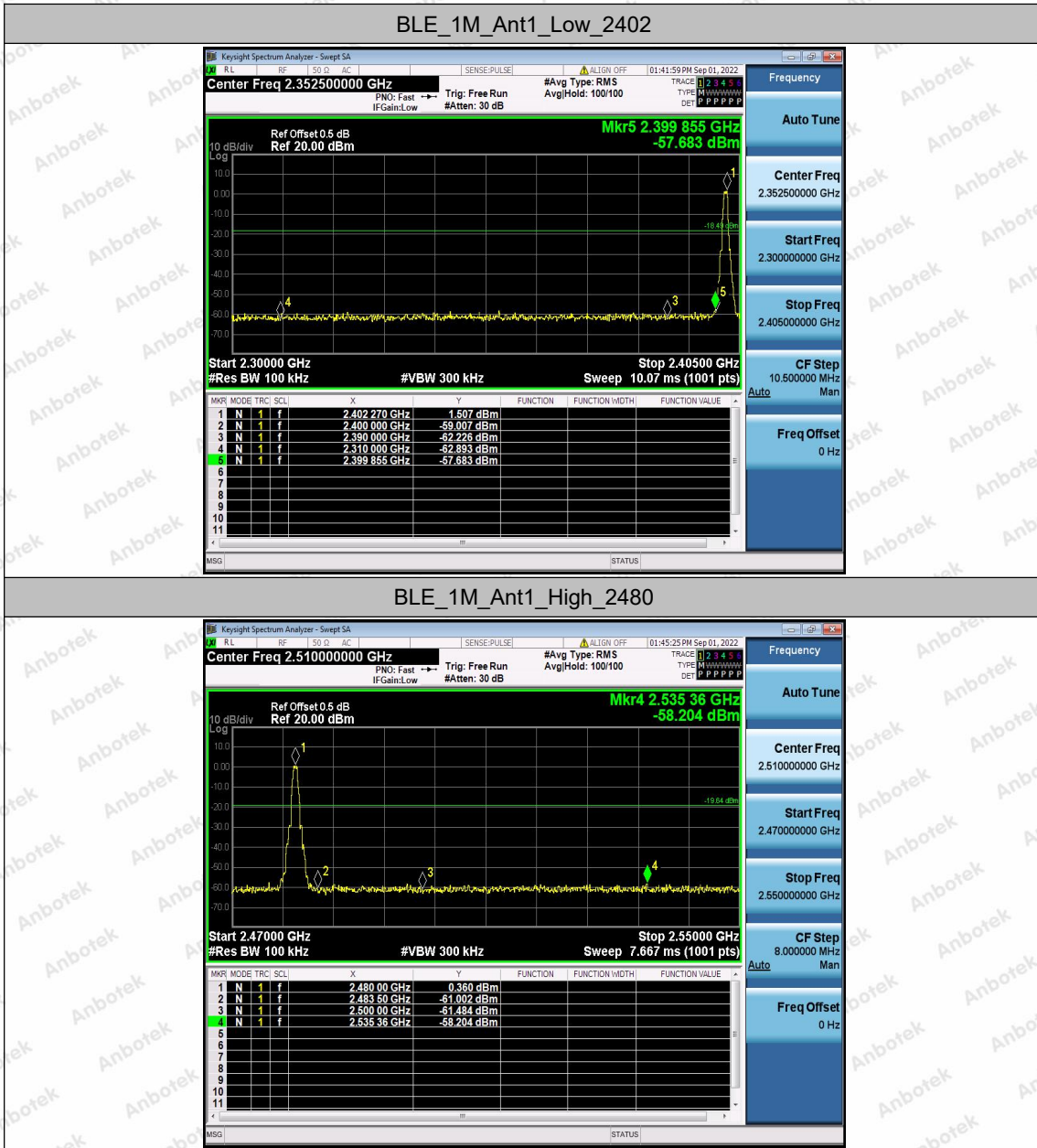
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Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.08	1.08	---	PASS
			30~1000	1.08	-69.17	≤-28.92	PASS
			1000~26500	1.08	-53.51	≤-28.92	PASS
		2440	Reference	0.25	0.25	---	PASS
			30~1000	0.25	-70.4	≤-29.75	PASS
			1000~26500	0.25	-54.27	≤-29.75	PASS
		2480	Reference	0.03	0.03	---	PASS
			30~1000	0.03	-69.87	≤-29.97	PASS
			1000~26500	0.03	-54.11	≤-29.97	PASS

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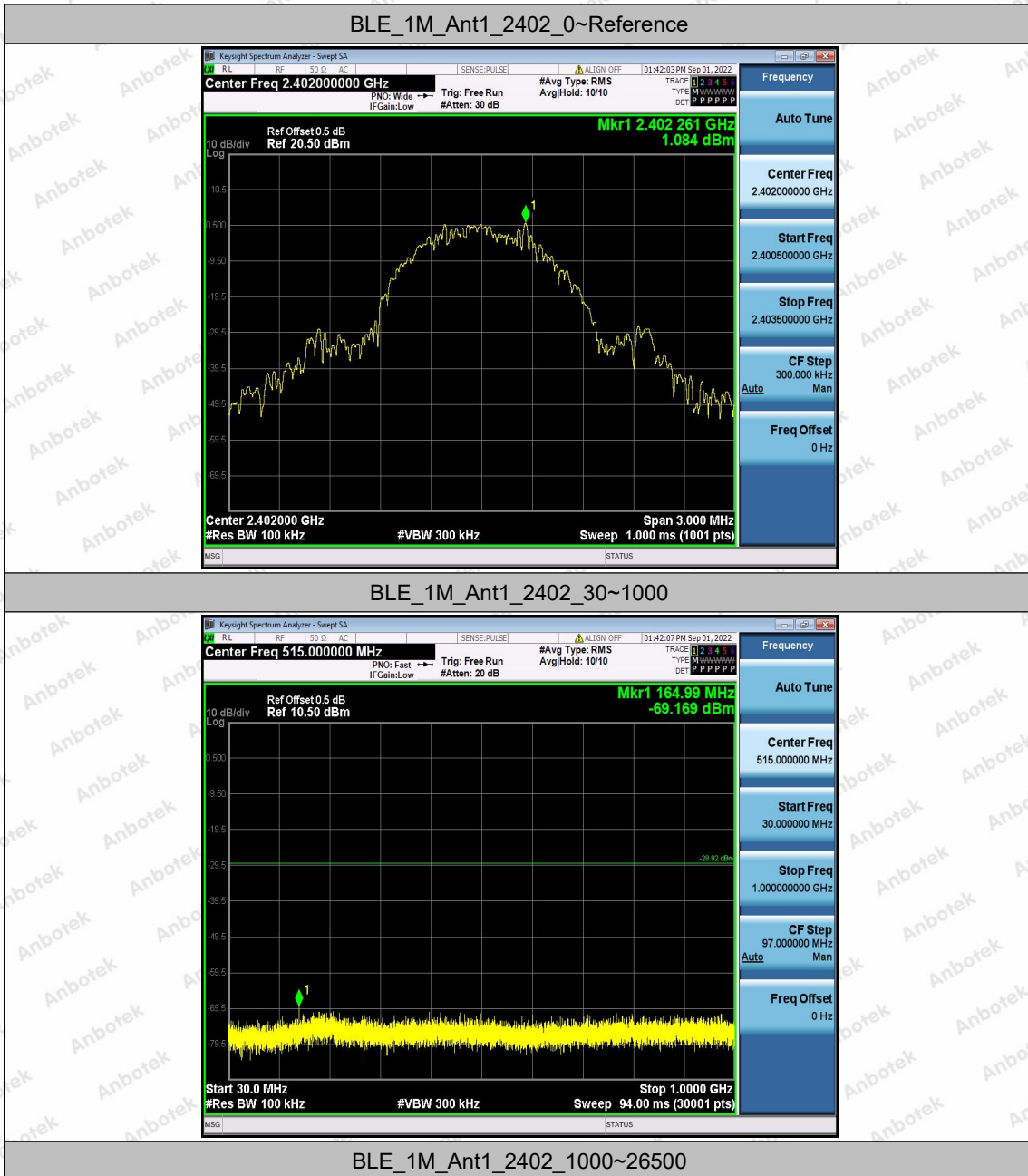
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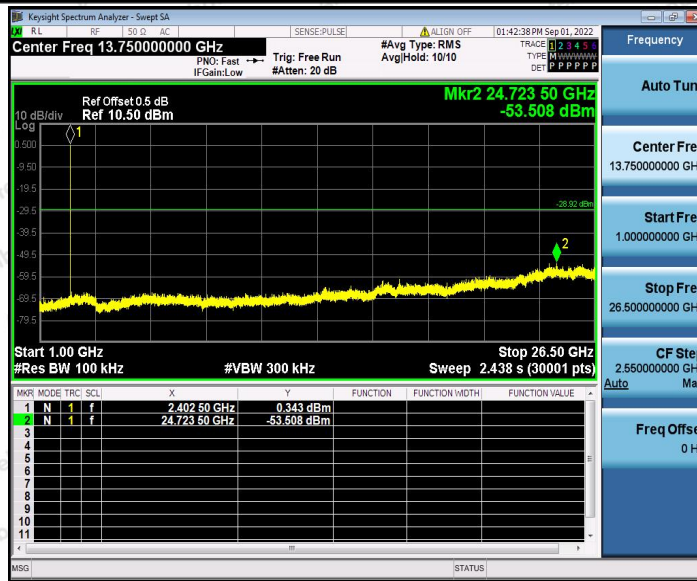


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BLE_1M_Ant1_2440_0~Reference



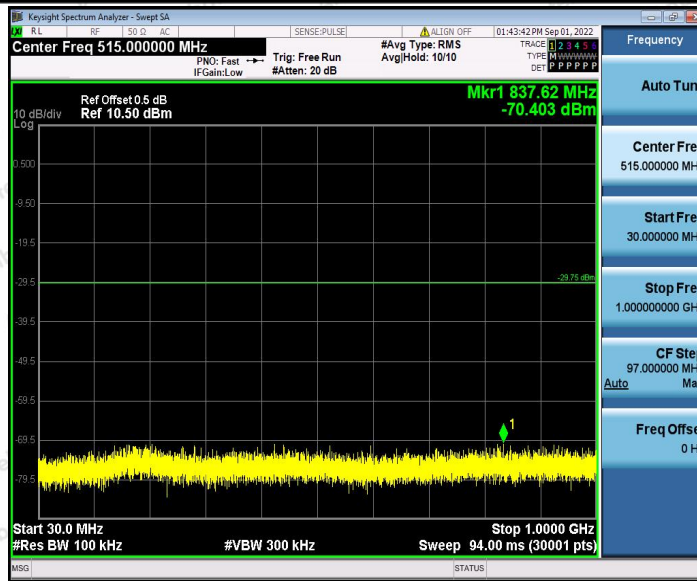
BLE_1M_Ant1_2440_30~1000

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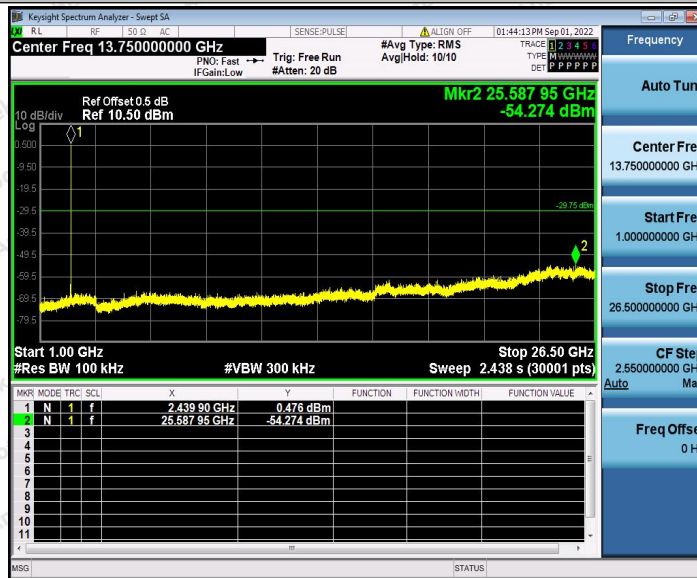
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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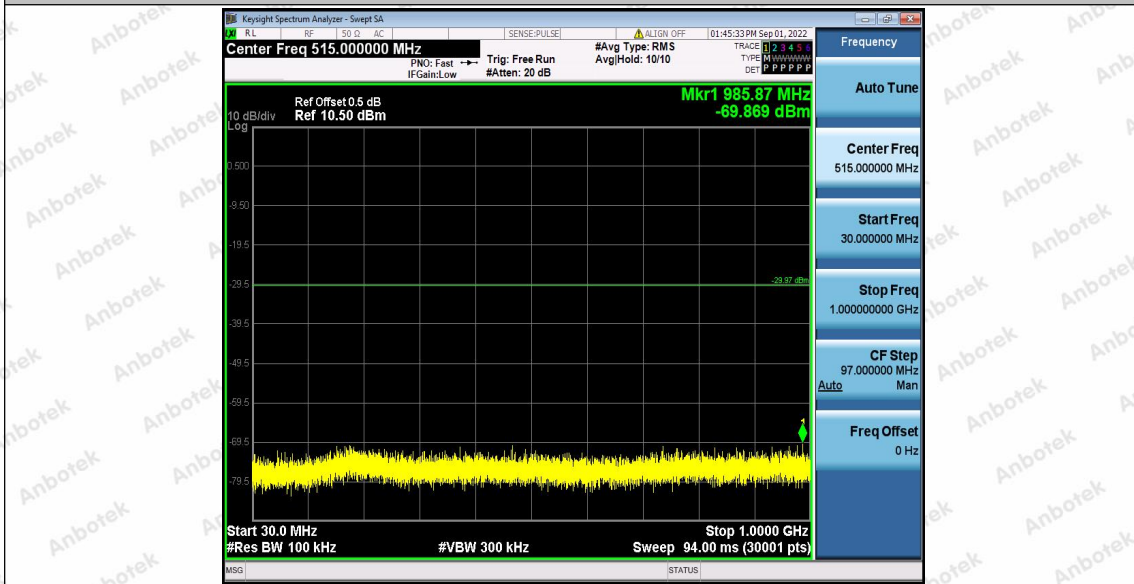
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BLE_1M_Ant1_2480_30~1000



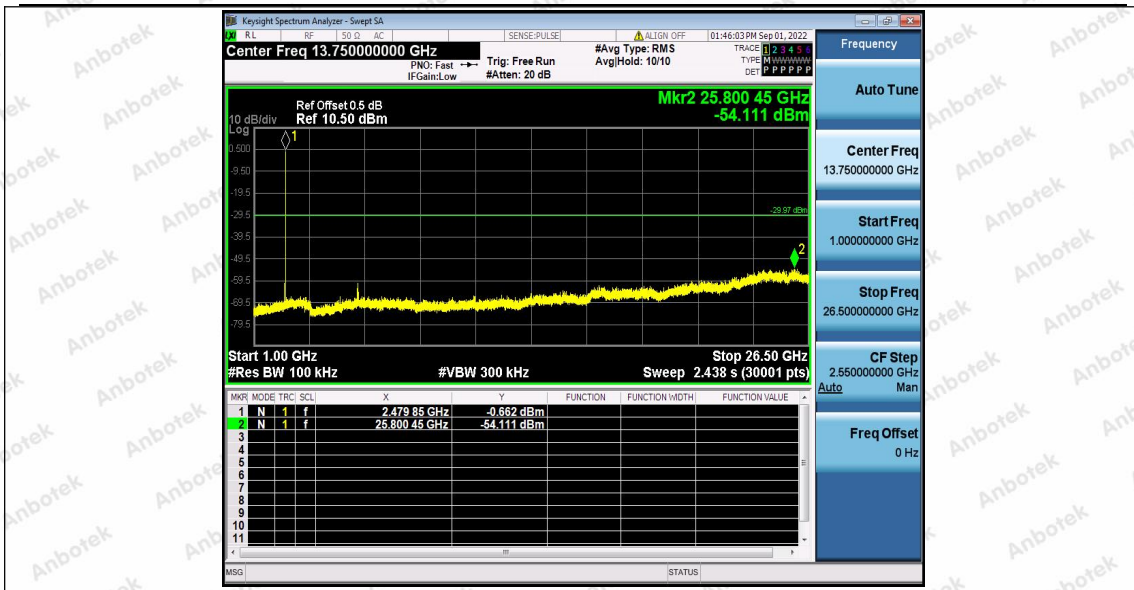
BLE_1M_Ant1_2480_1000~26500

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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	0.63	60.32	2.20
		2440	0.38	0.63	60.32	2.20
		2480	0.38	0.63	60.32	2.20

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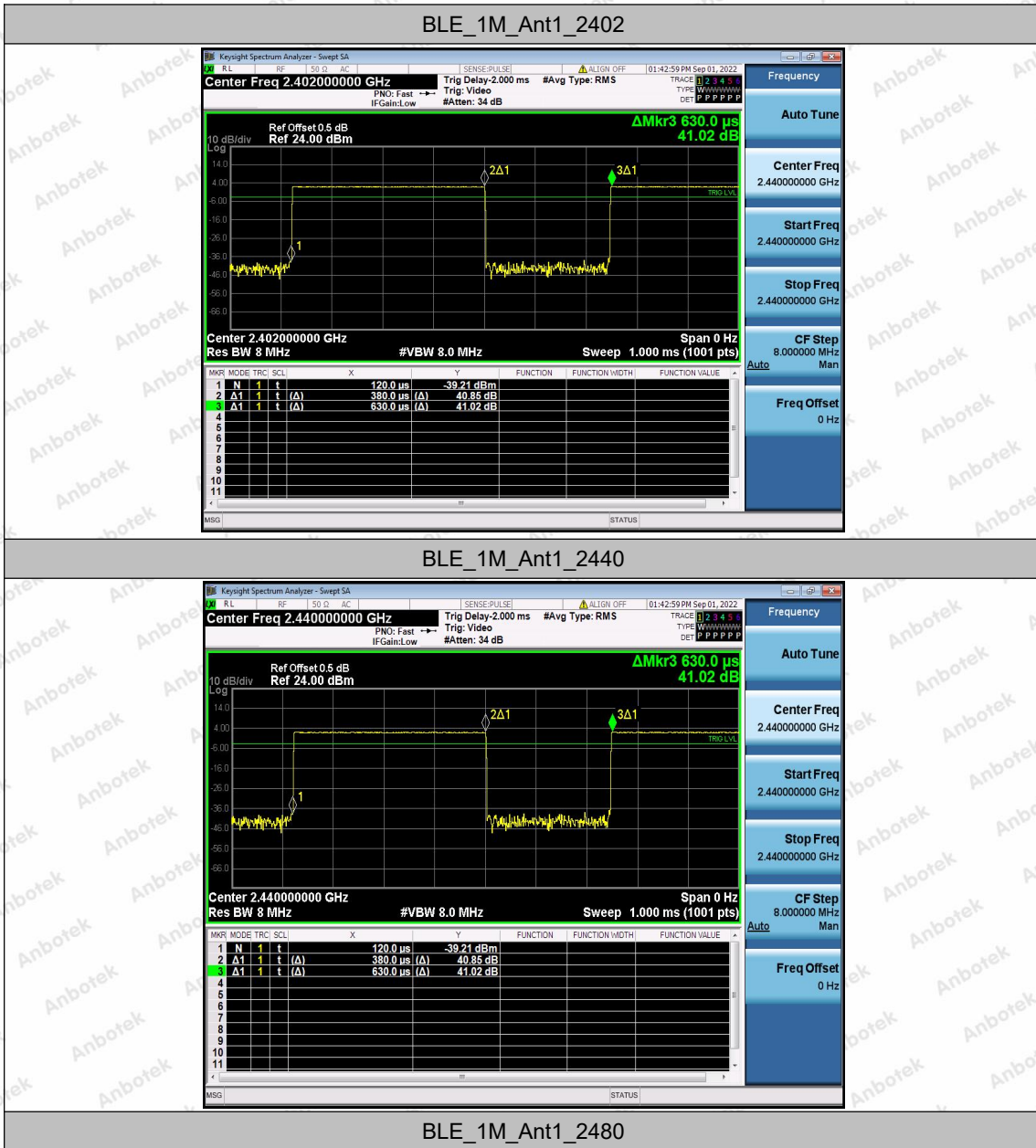
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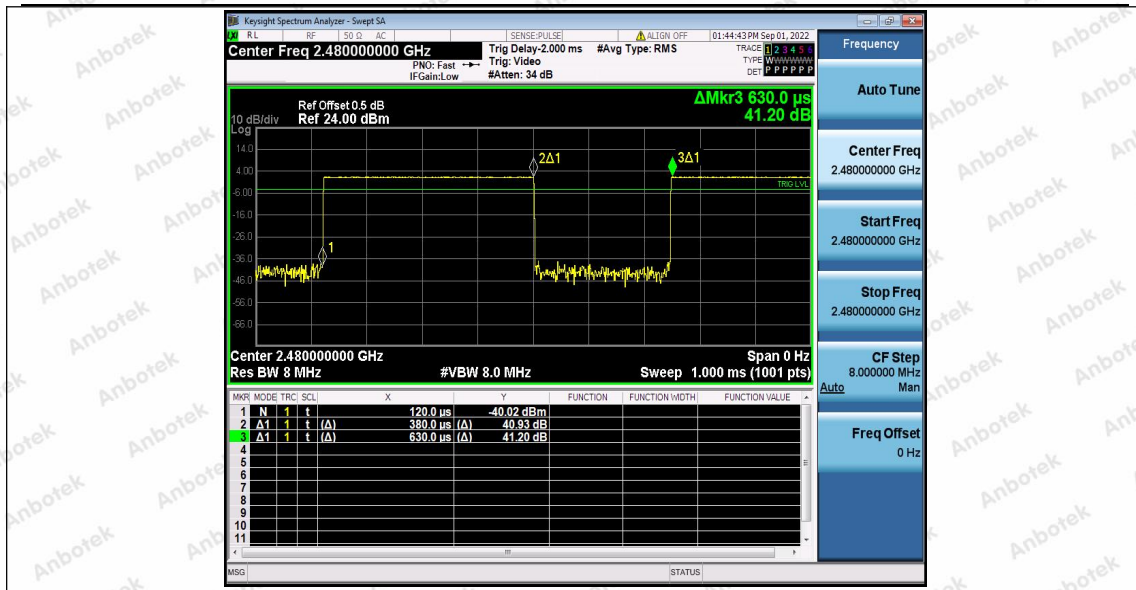


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Test Graphs





---End---

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