

Appendix Test Data

Report No.:	18220WC30195601	Test Sample No.:	1-2-2
Start Test Date:	2023.09.11	Finish Test Date:	2023.09.11
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.3°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	0.628	2401.644	2402.272	0.5	PASS
		2440	0.660	2439.620	2440.280	0.5	PASS
		2480	0.636	2479.632	2480.268	0.5	PASS

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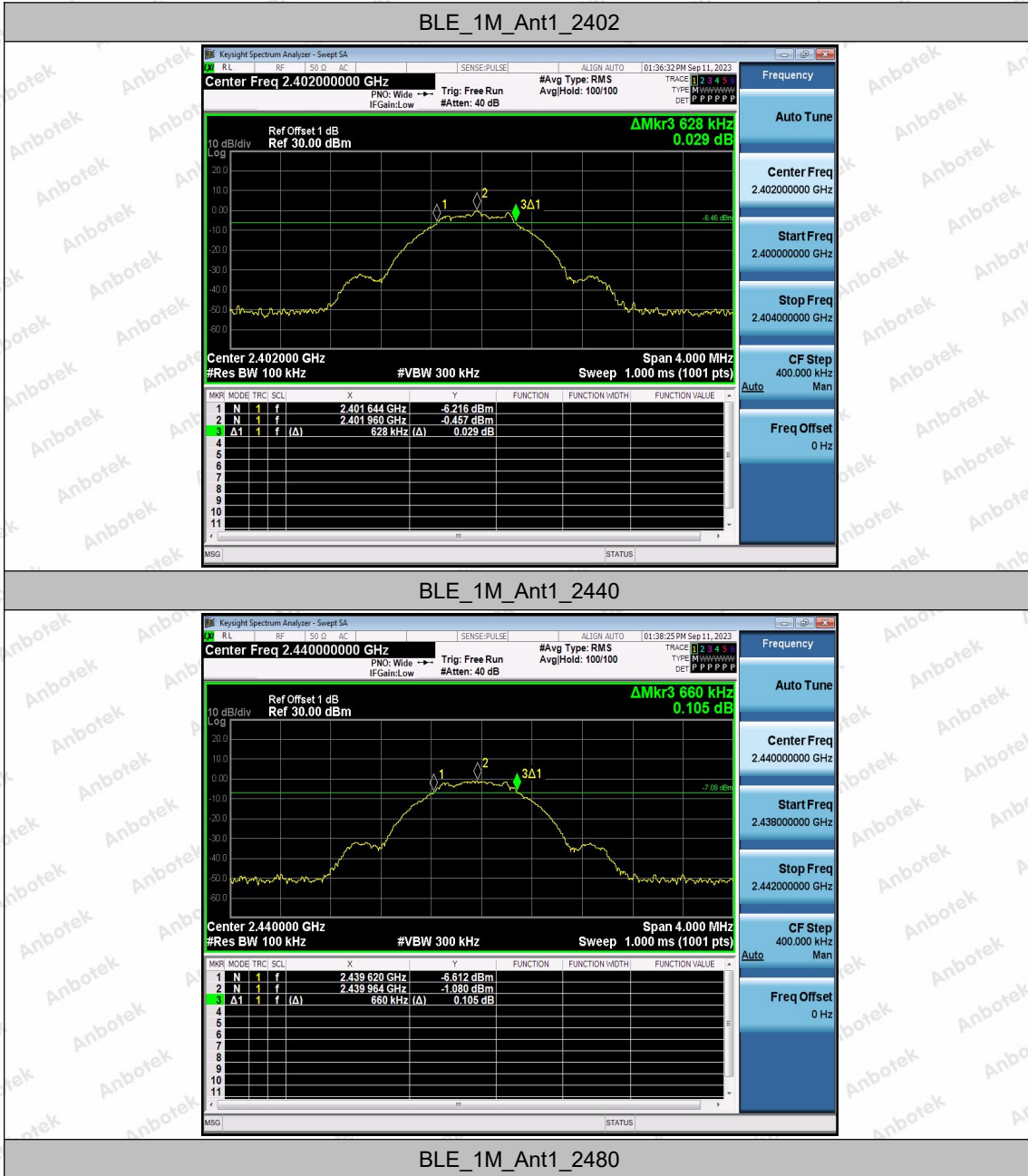
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Test Graphs

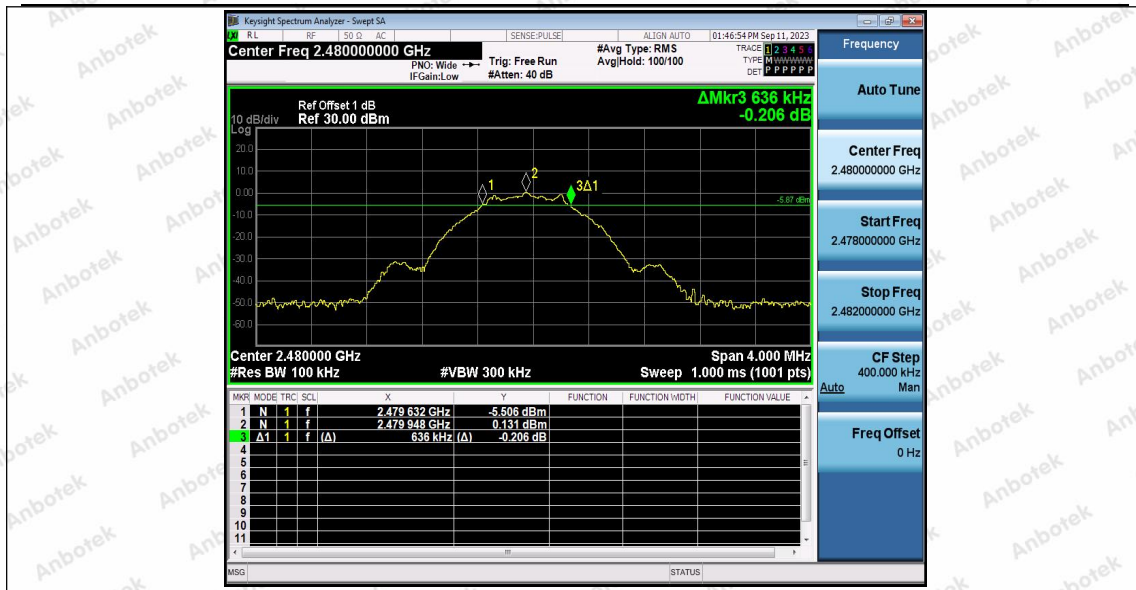


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0285	2401.4474	2402.4759
		2440	1.0339	2439.4390	2440.4729
		2480	1.0261	2479.4392	2480.4653

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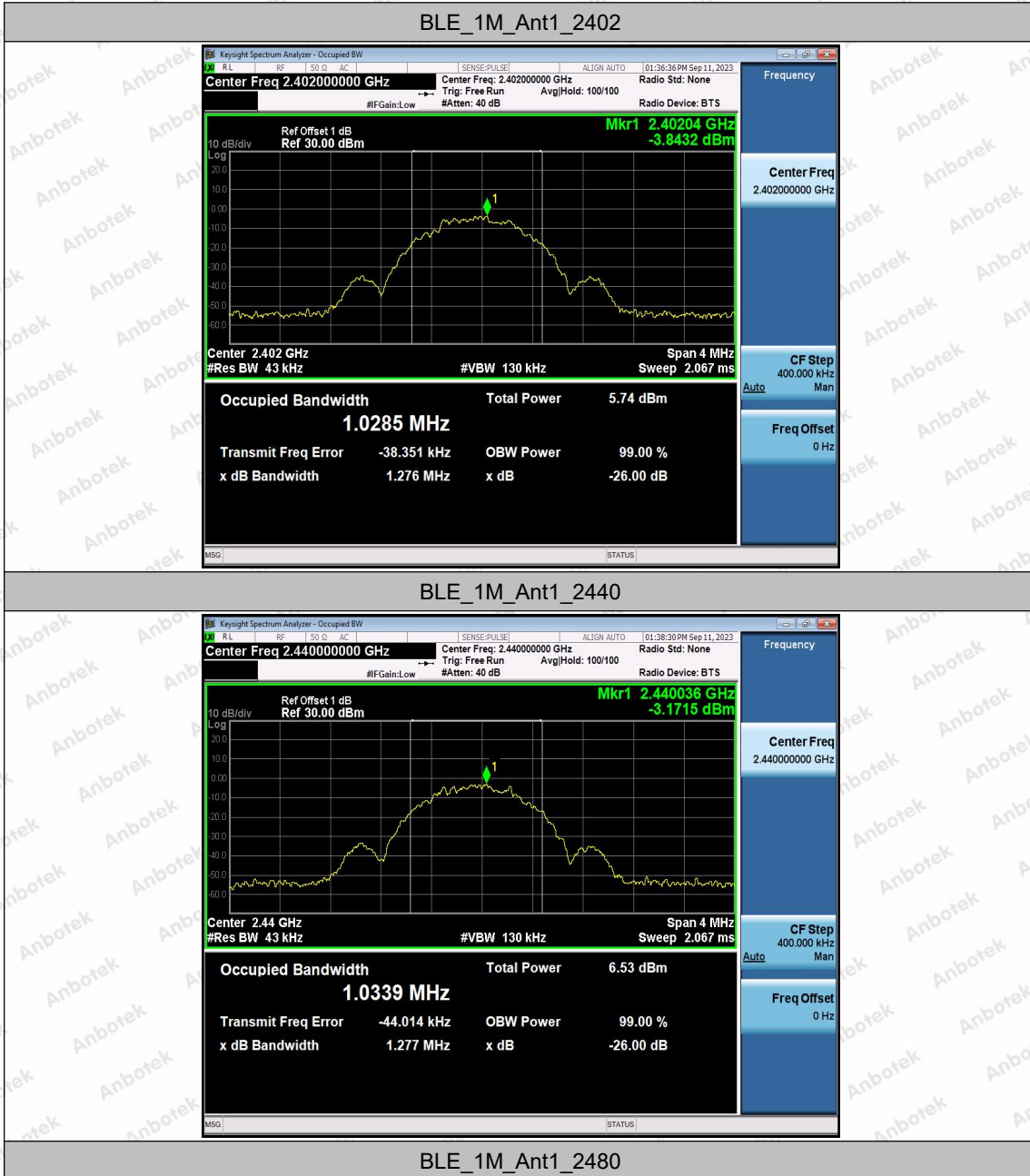
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Test Graphs



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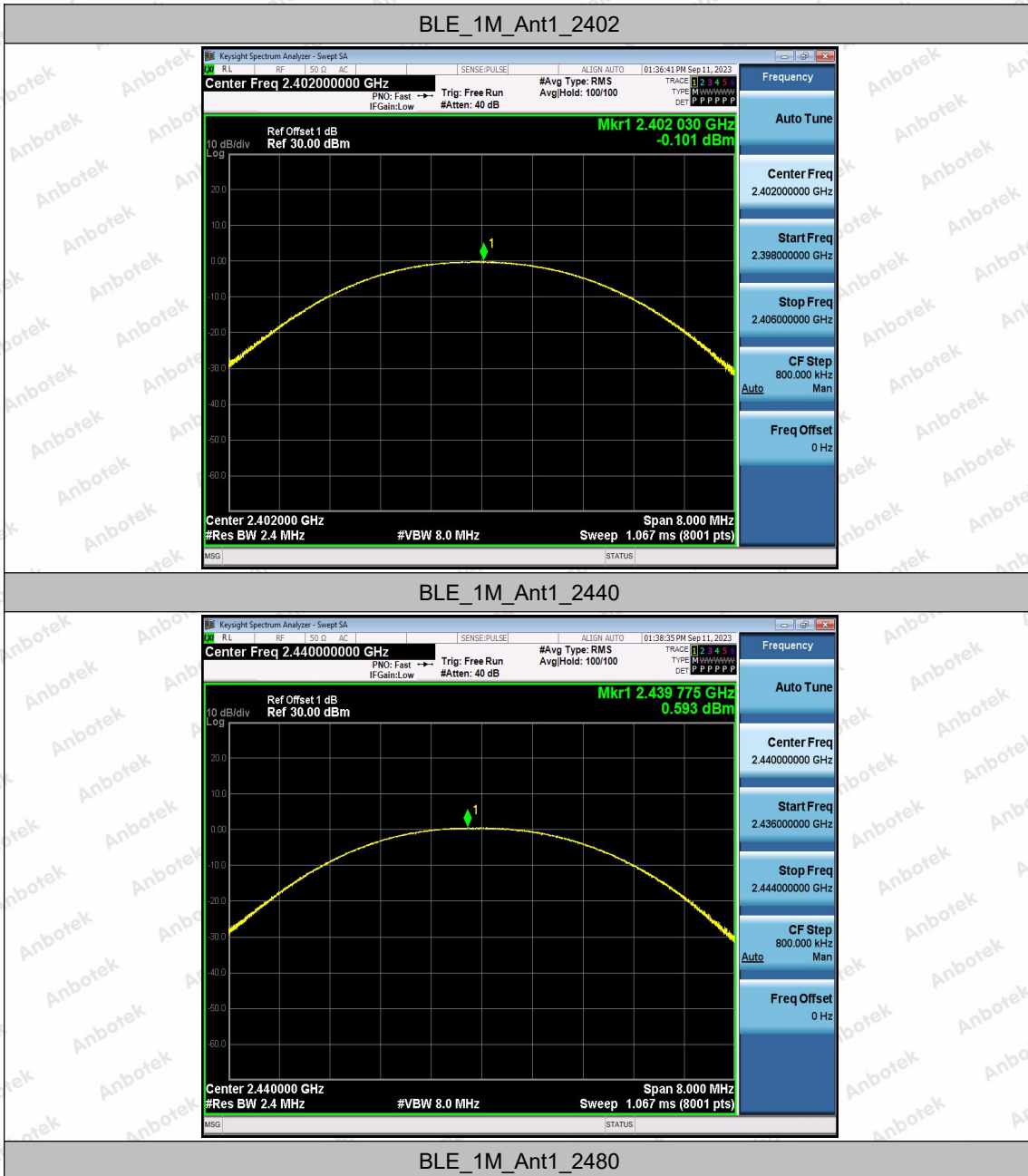
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.10	≤30	PASS
		2440	0.59	≤30	PASS
		2480	0.58	≤30	PASS



Test Graphs Peak

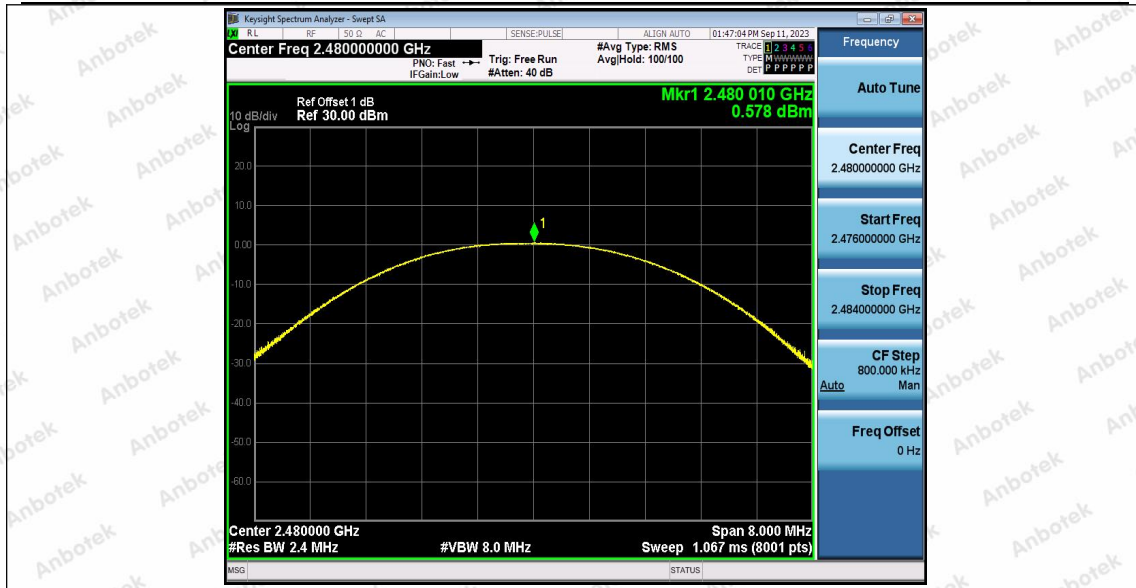


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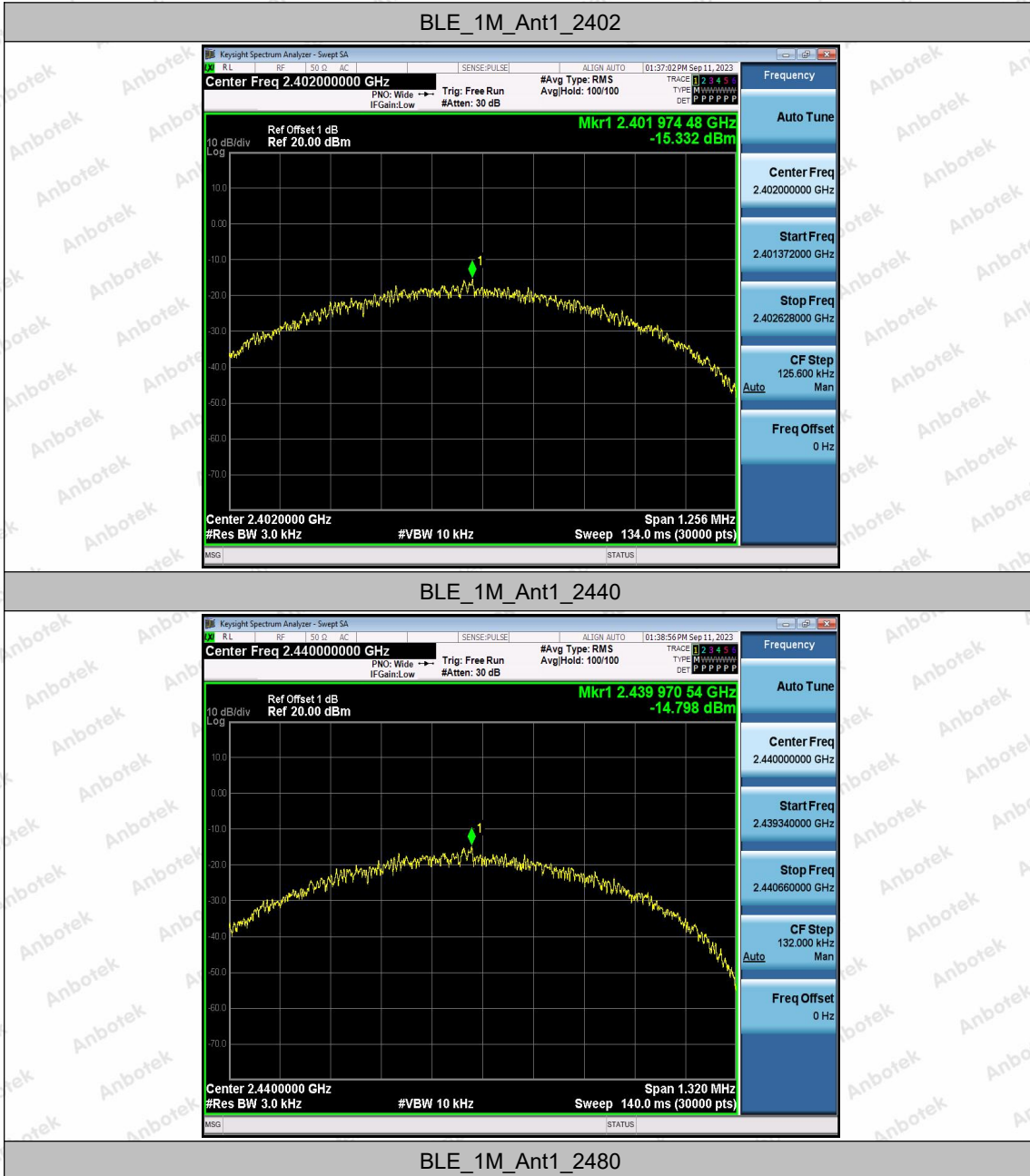
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.33	≤8.00	PASS
		2440	-14.8	≤8.00	PASS
		2480	-14.95	≤8.00	PASS



Test Graphs



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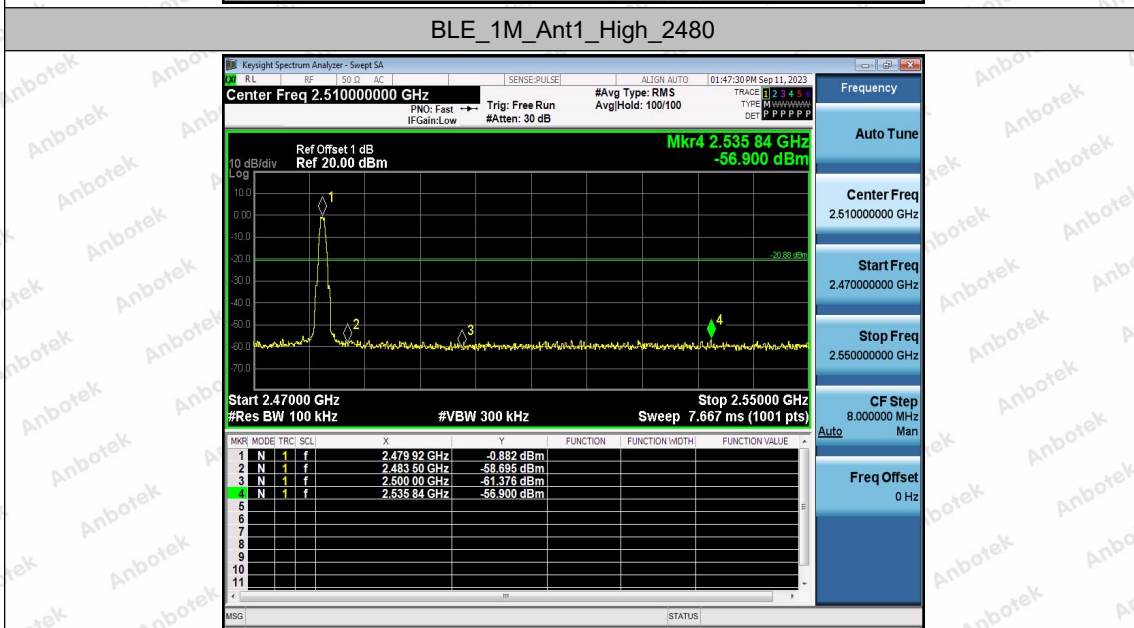
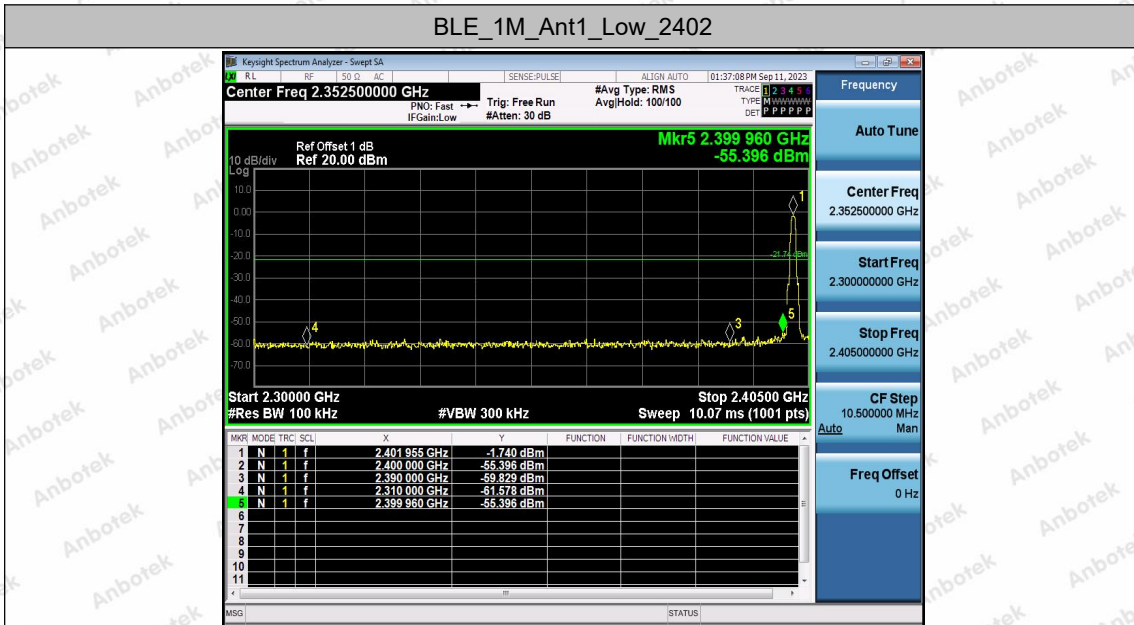
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.74	-55.4	≤-21.74	PASS
		High	2480	-0.88	-56.9	≤-20.88	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	-2.13	-2.13	---	PASS
			30~1000	-2.13	-67.85	≤-22.13	PASS
			1000~26500	-2.13	-53.4	≤-22.13	PASS
		2440	Reference	-1.39	-1.39	---	PASS
			30~1000	-1.39	-68.46	≤-21.39	PASS
			1000~26500	-1.39	-45.06	≤-21.39	PASS
		2480	Reference	-0.77	-0.77	---	PASS
			30~1000	-0.77	-67.87	≤-20.77	PASS
			1000~26500	-0.77	-42.06	≤-20.77	PASS

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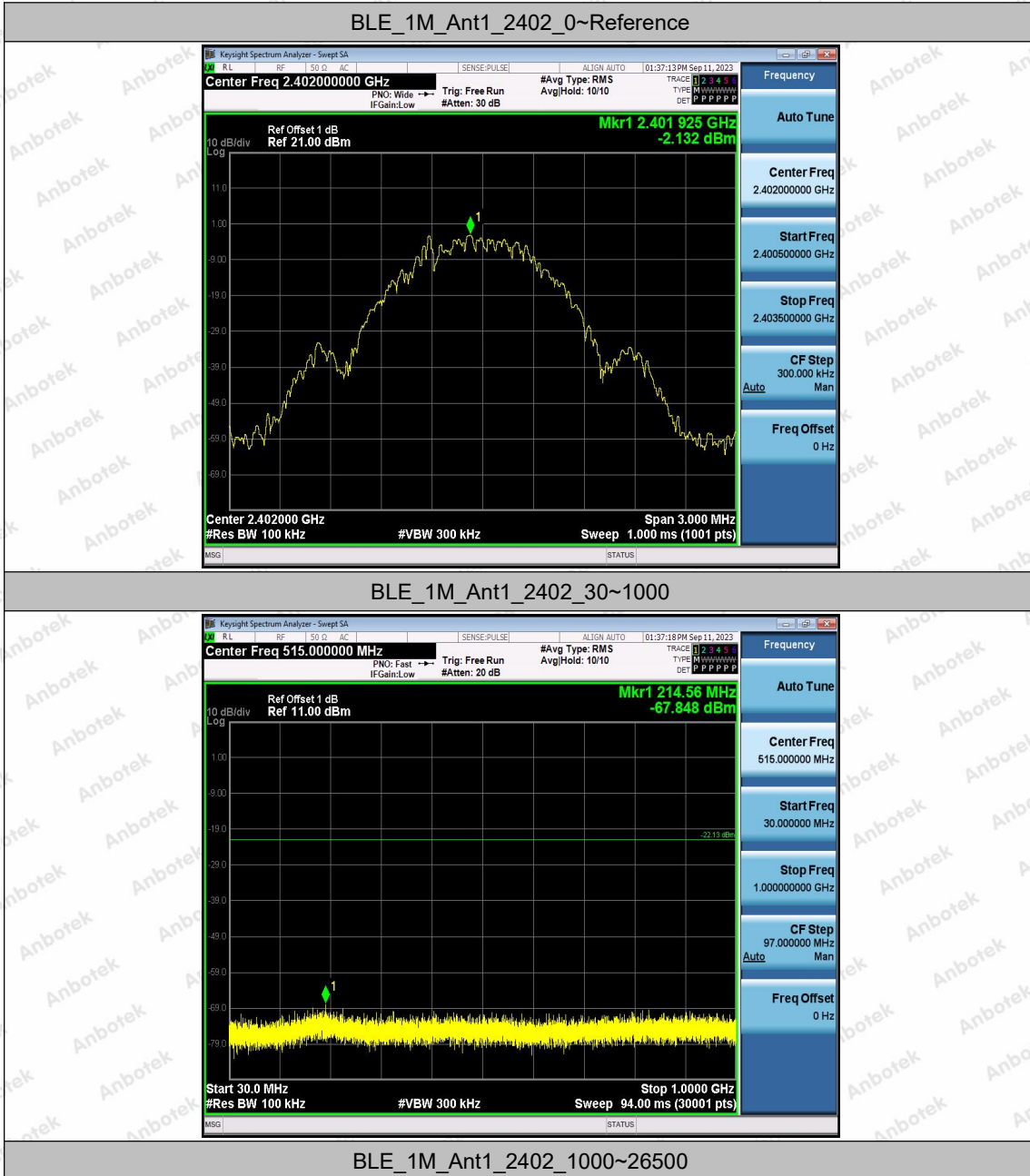
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Test Graphs

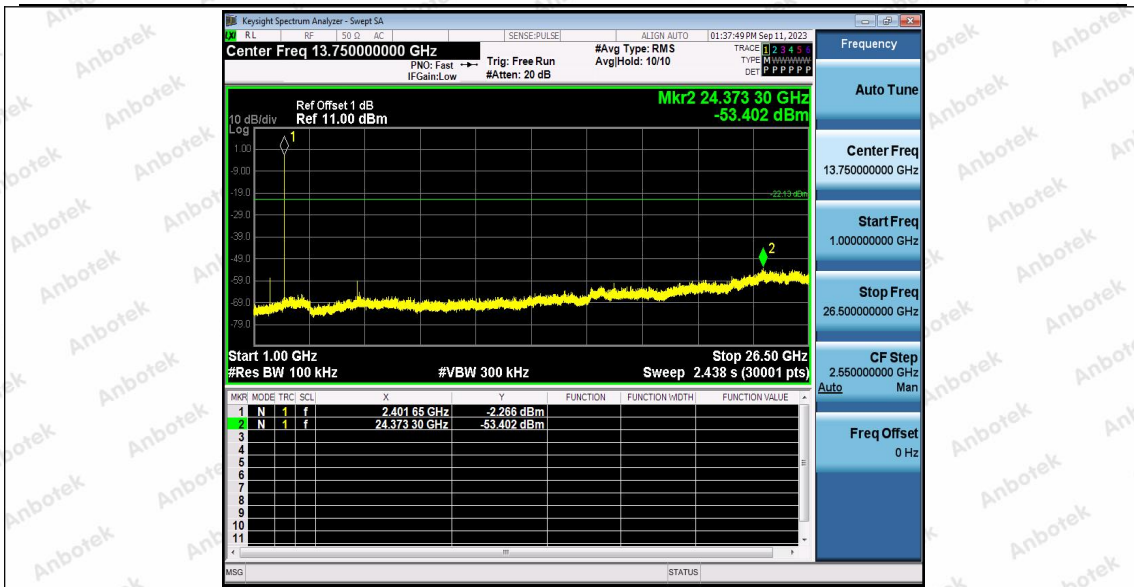


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BLE_1M_Ant1_2440_0~Reference



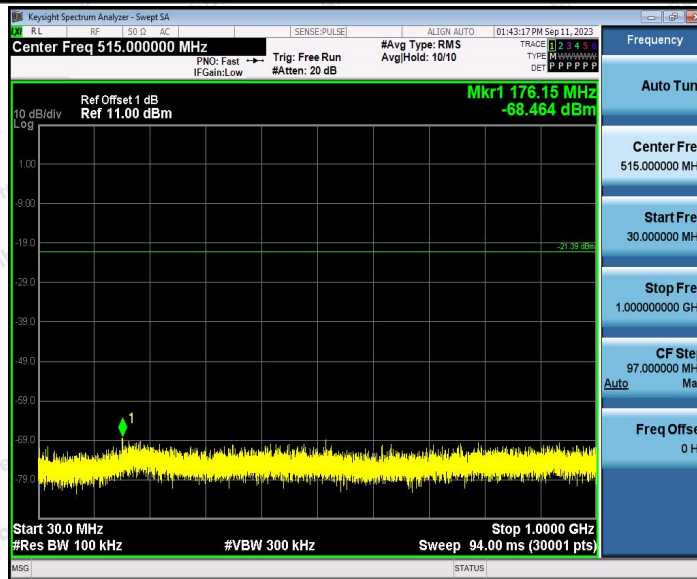
BLE_1M_Ant1_2440_30~1000

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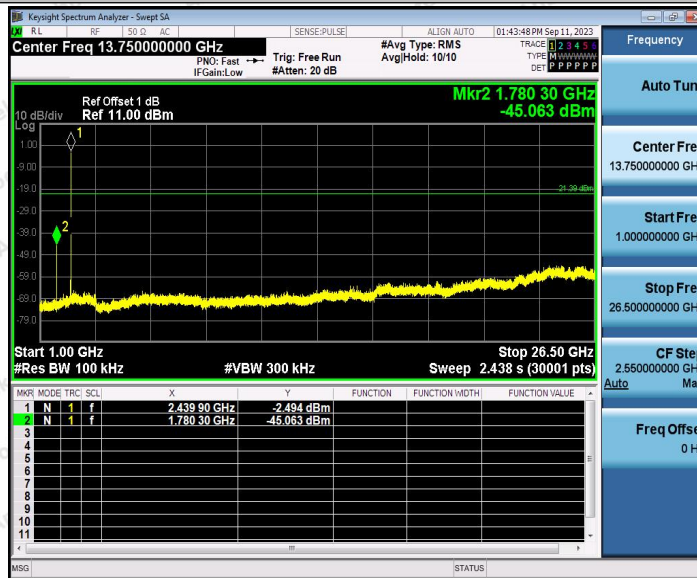
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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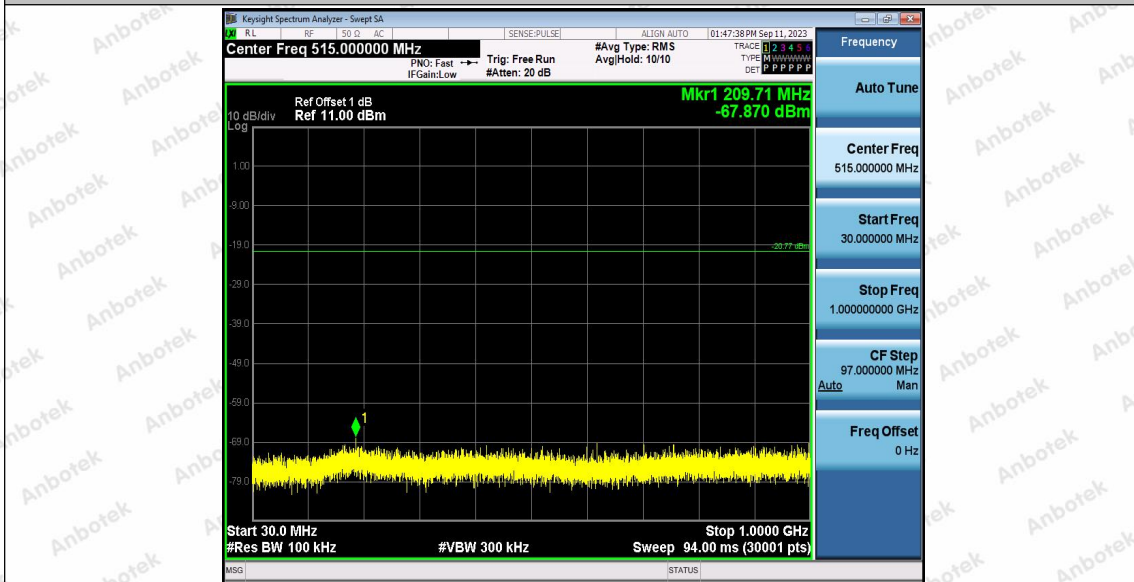
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BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

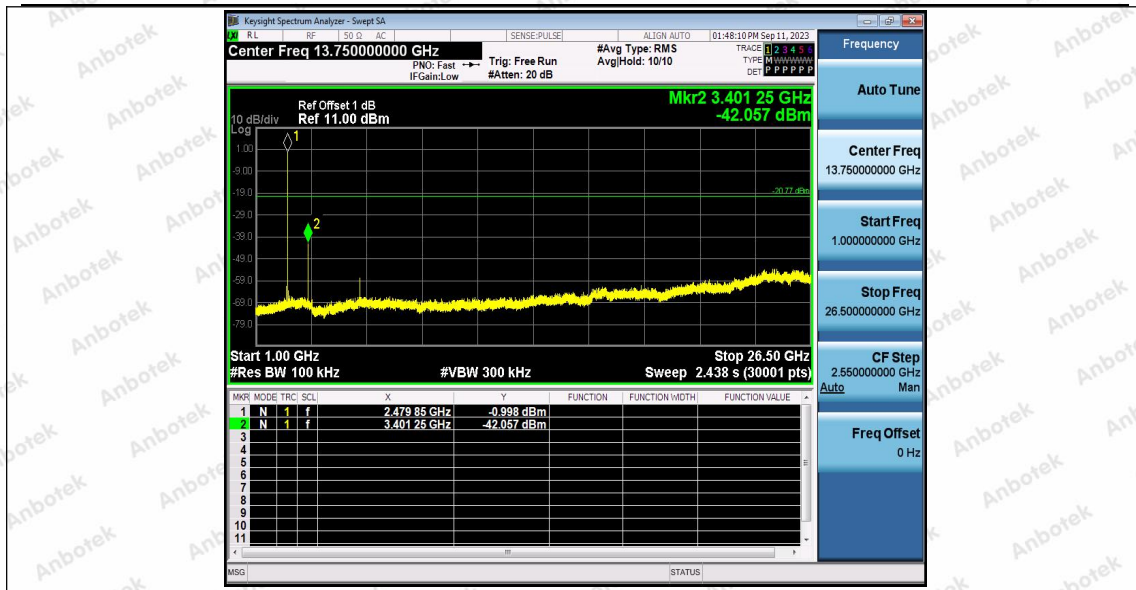
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.10	2.50	84.00	0.76
		2440	2.10	2.50	84.00	0.76
		2480	2.10	2.50	84.00	0.76

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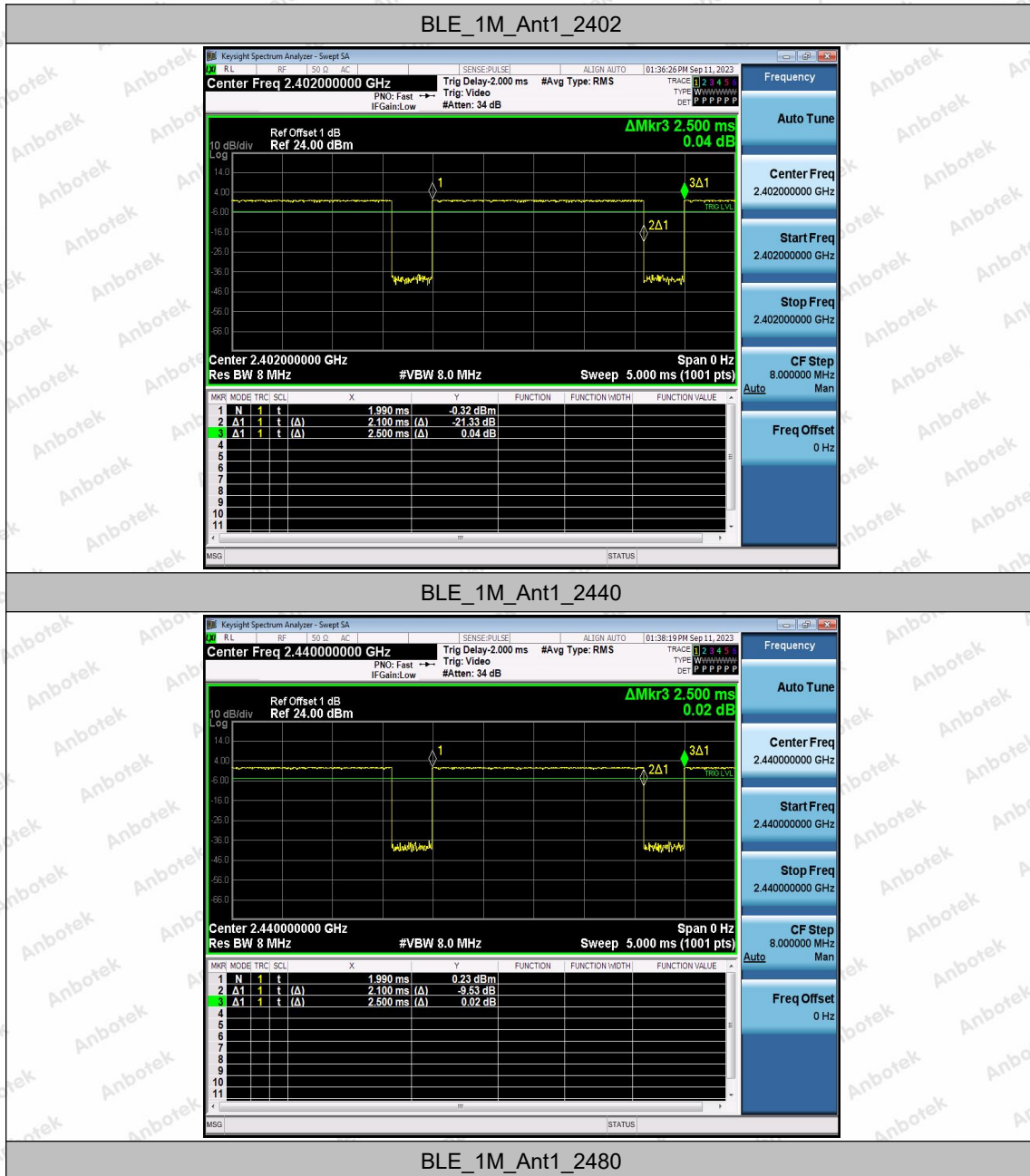
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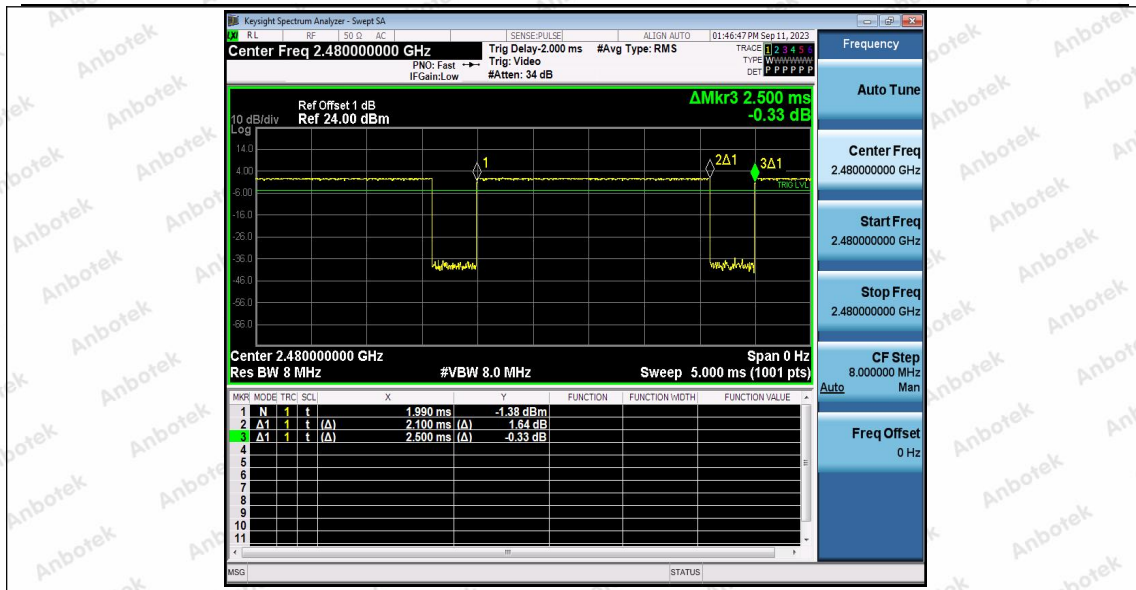


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