

Appendix Test Data

Report No.:	18220WC30245701 module2	Test Sample No.:	1-2-2
Start Test Date:	2023.11.27	Finish Test Date:	2023.11.28
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.2°C	Relative Humidity:	40%
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	0.668	2401.672	2402.340	0.5	PASS
		2440	0.656	2439.668	2440.324	0.5	PASS
		2480	0.644	2479.684	2480.328	0.5	PASS

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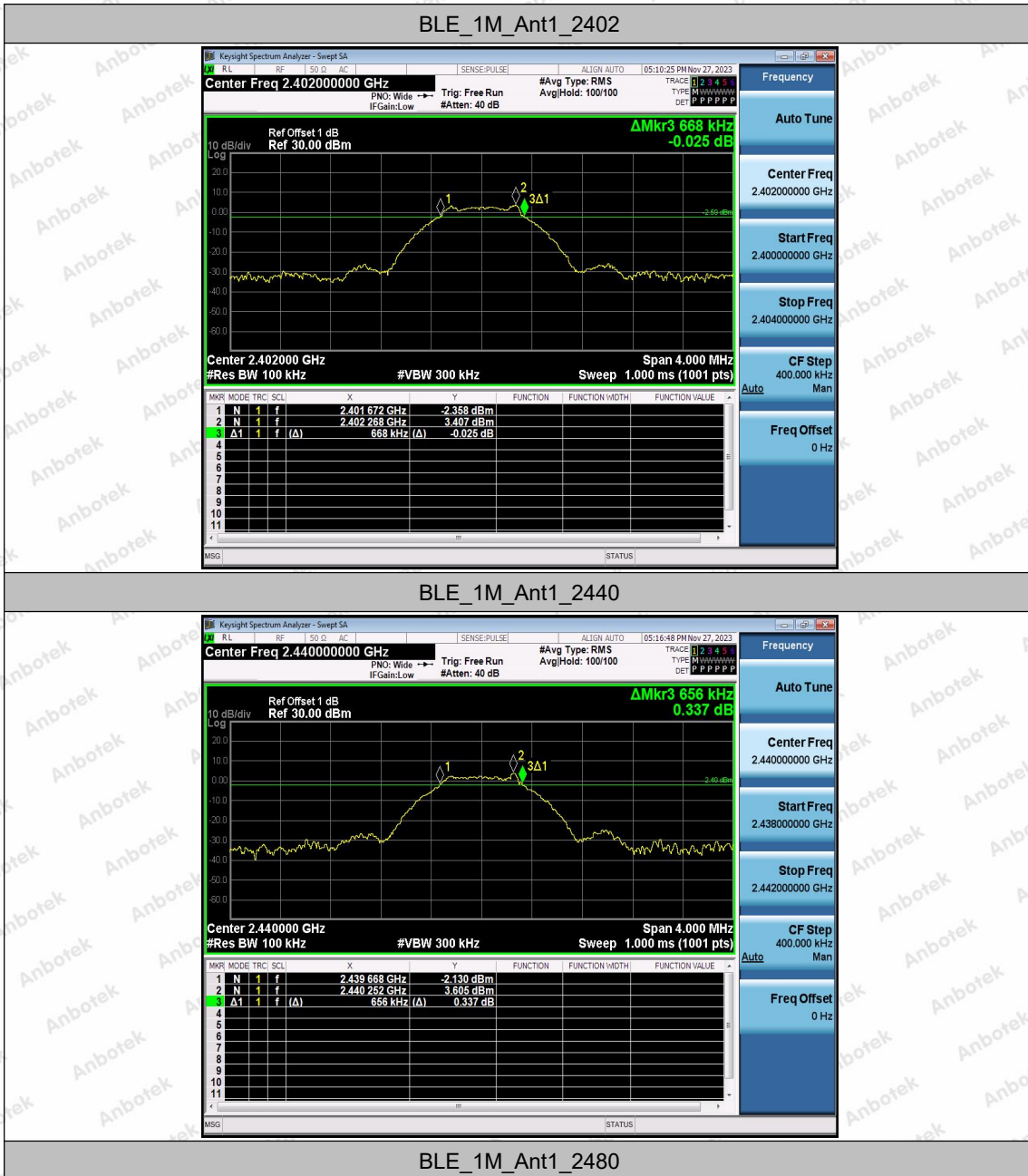
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Test Graphs

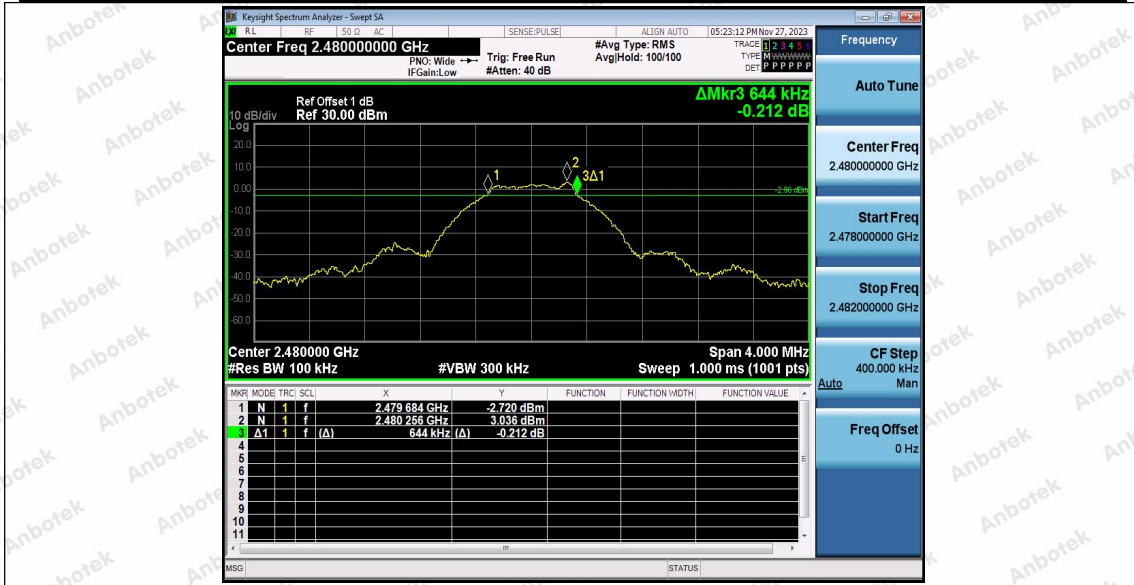


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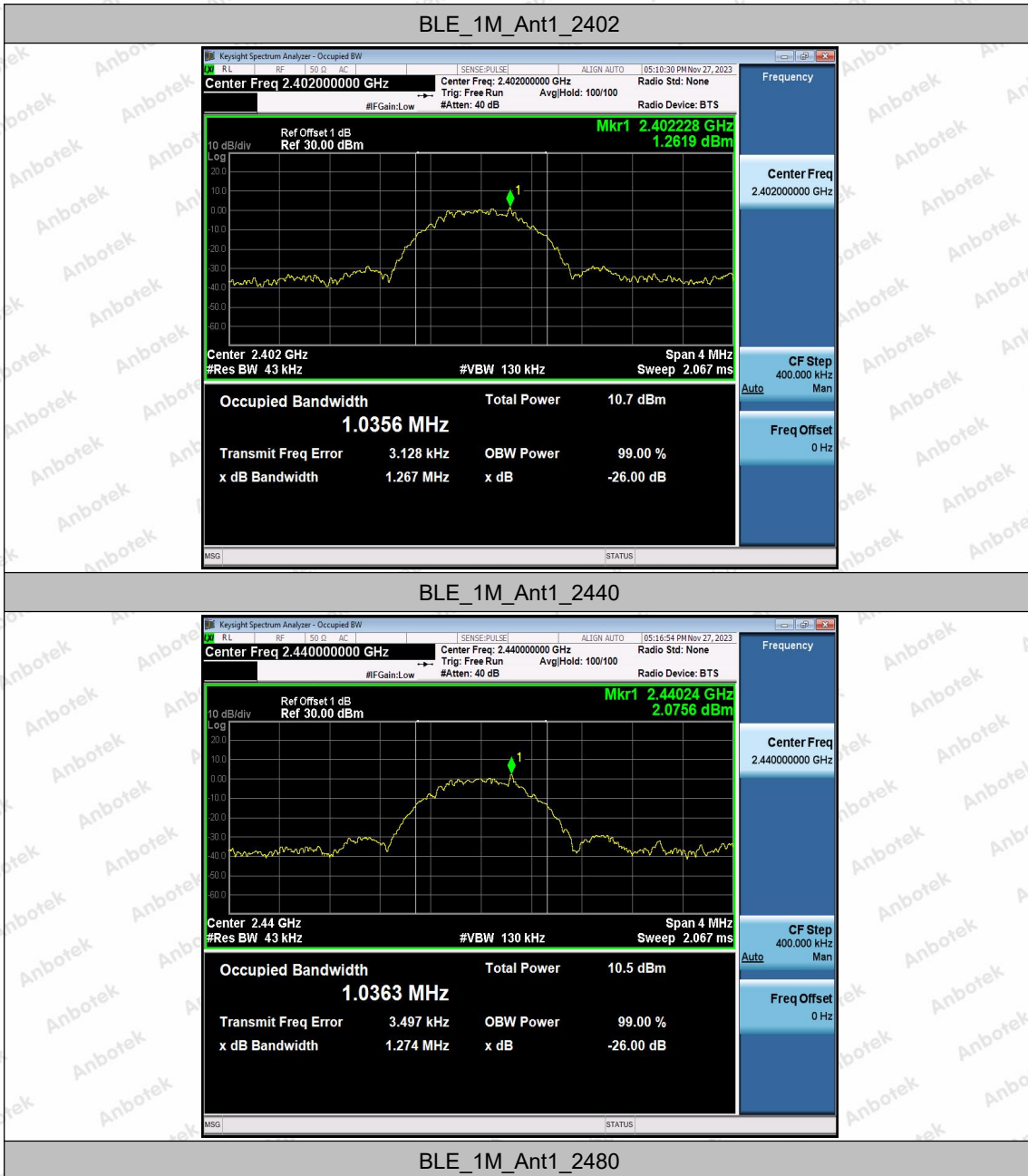
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0356	2401.4853	2402.5209
		2440	1.0363	2439.4854	2440.5217
		2480	1.0340	2479.4873	2480.5213



Test Graphs



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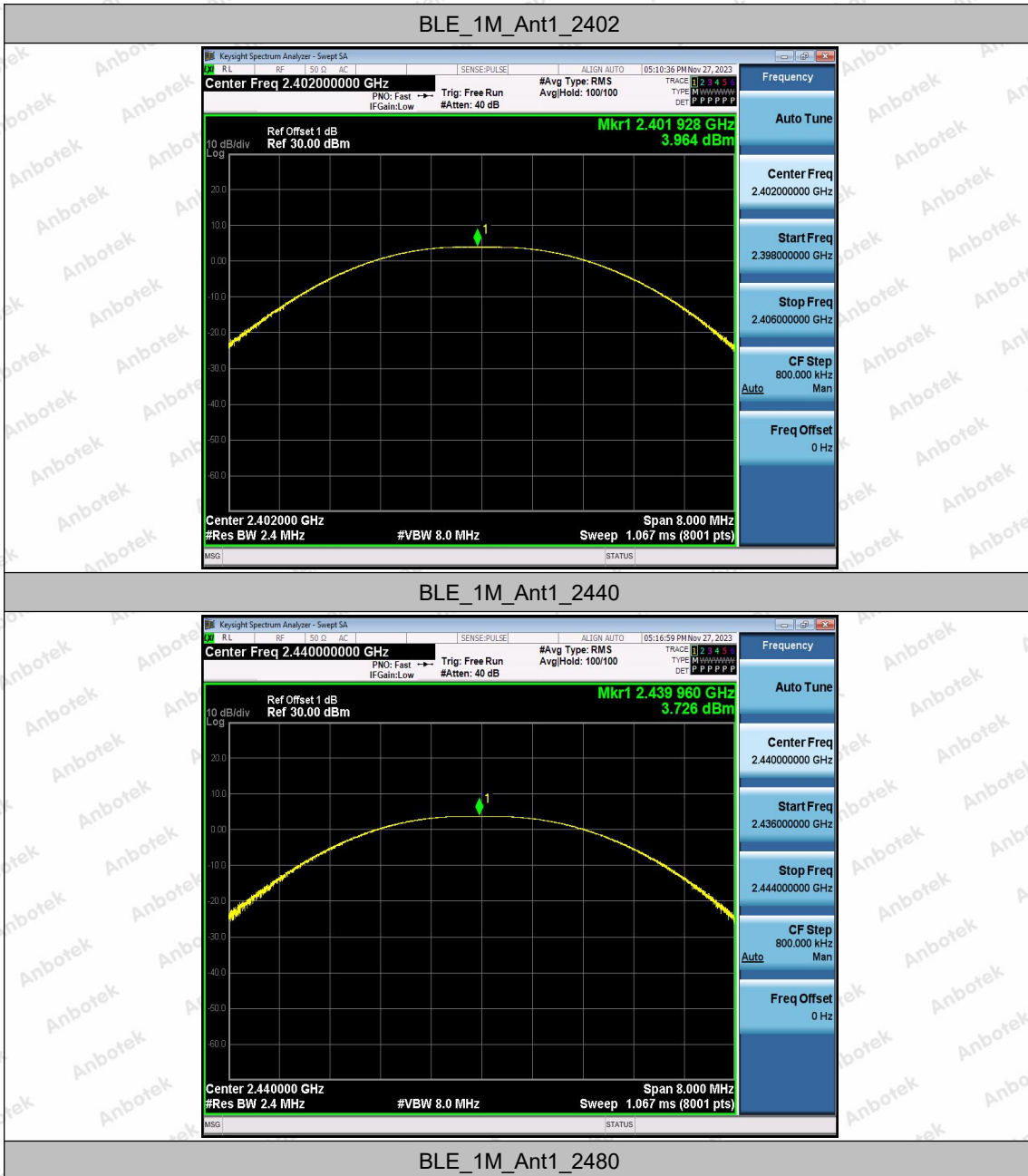
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.96	≤30	PASS
		2440	3.73	≤30	PASS
		2480	3.21	≤30	PASS



Test Graphs Peak

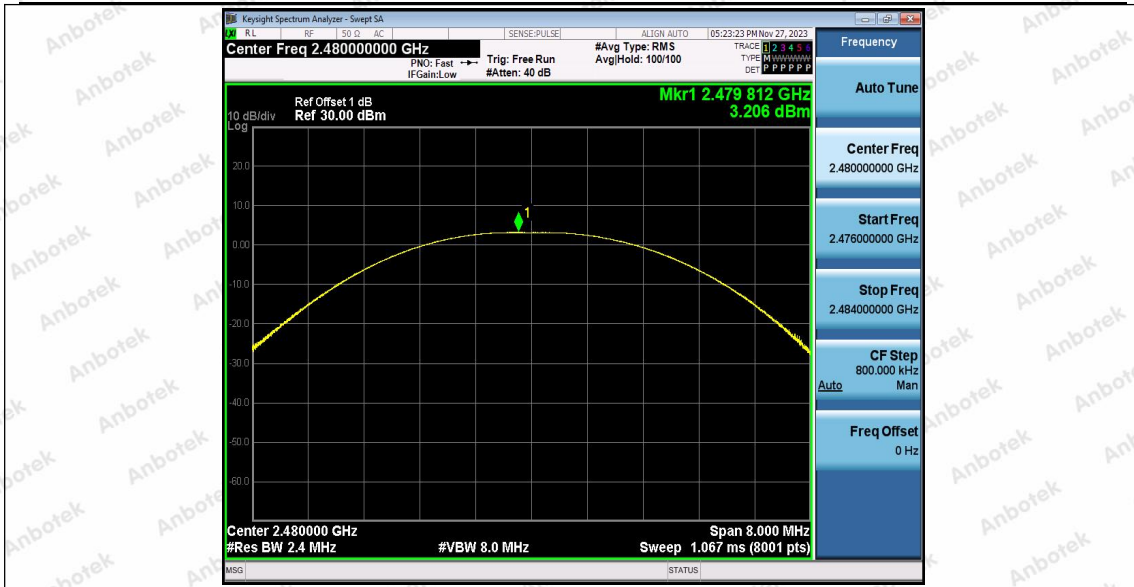


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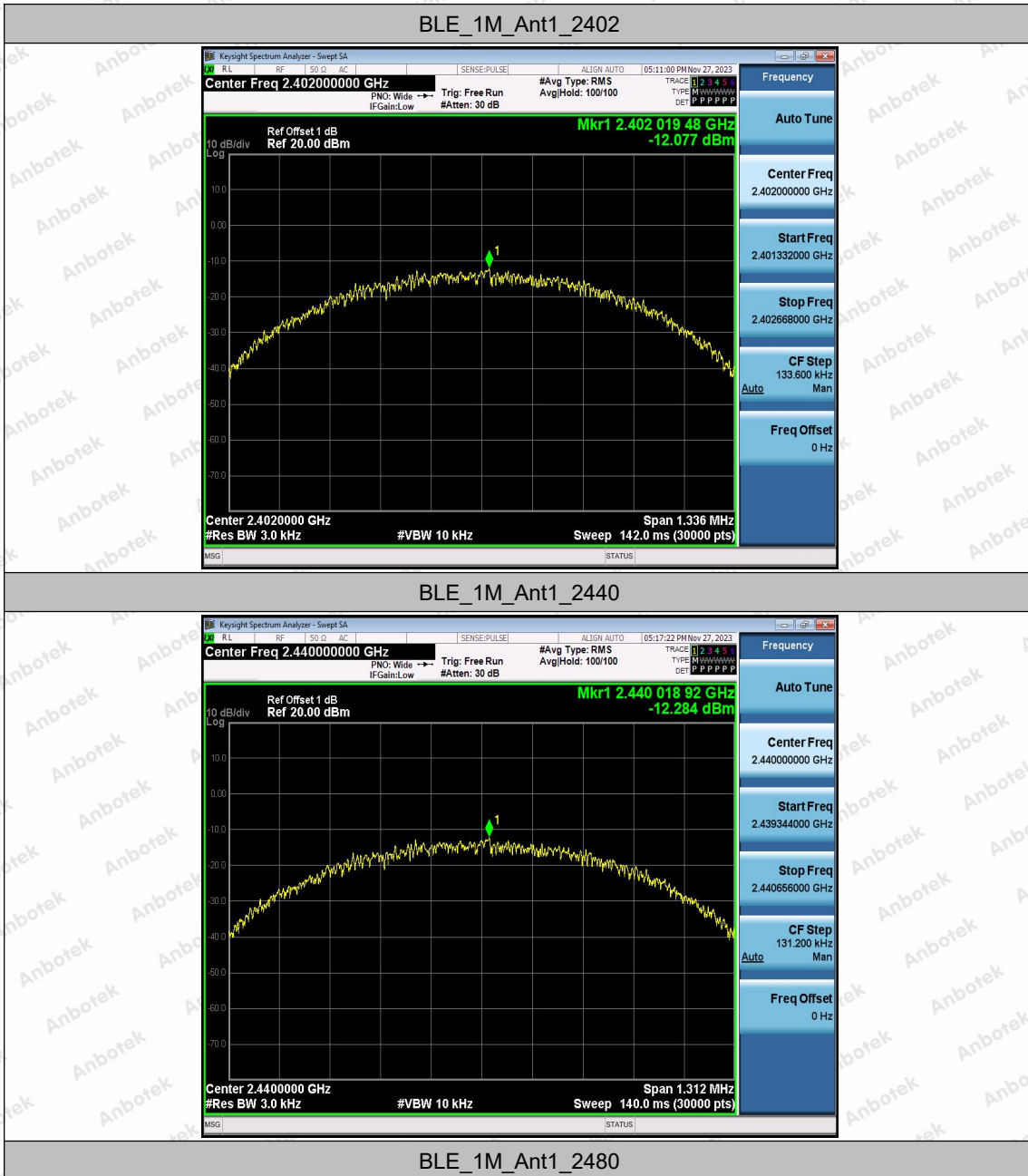
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.08	≤8.00	PASS
		2440	-12.28	≤8.00	PASS
		2480	-12.88	≤8.00	PASS



Test Graphs

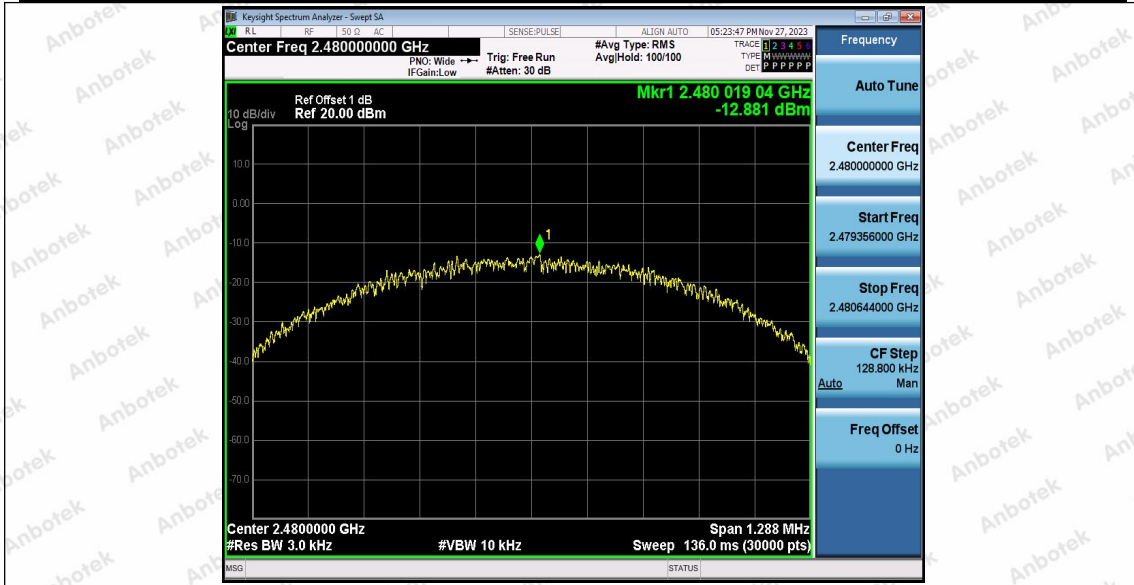


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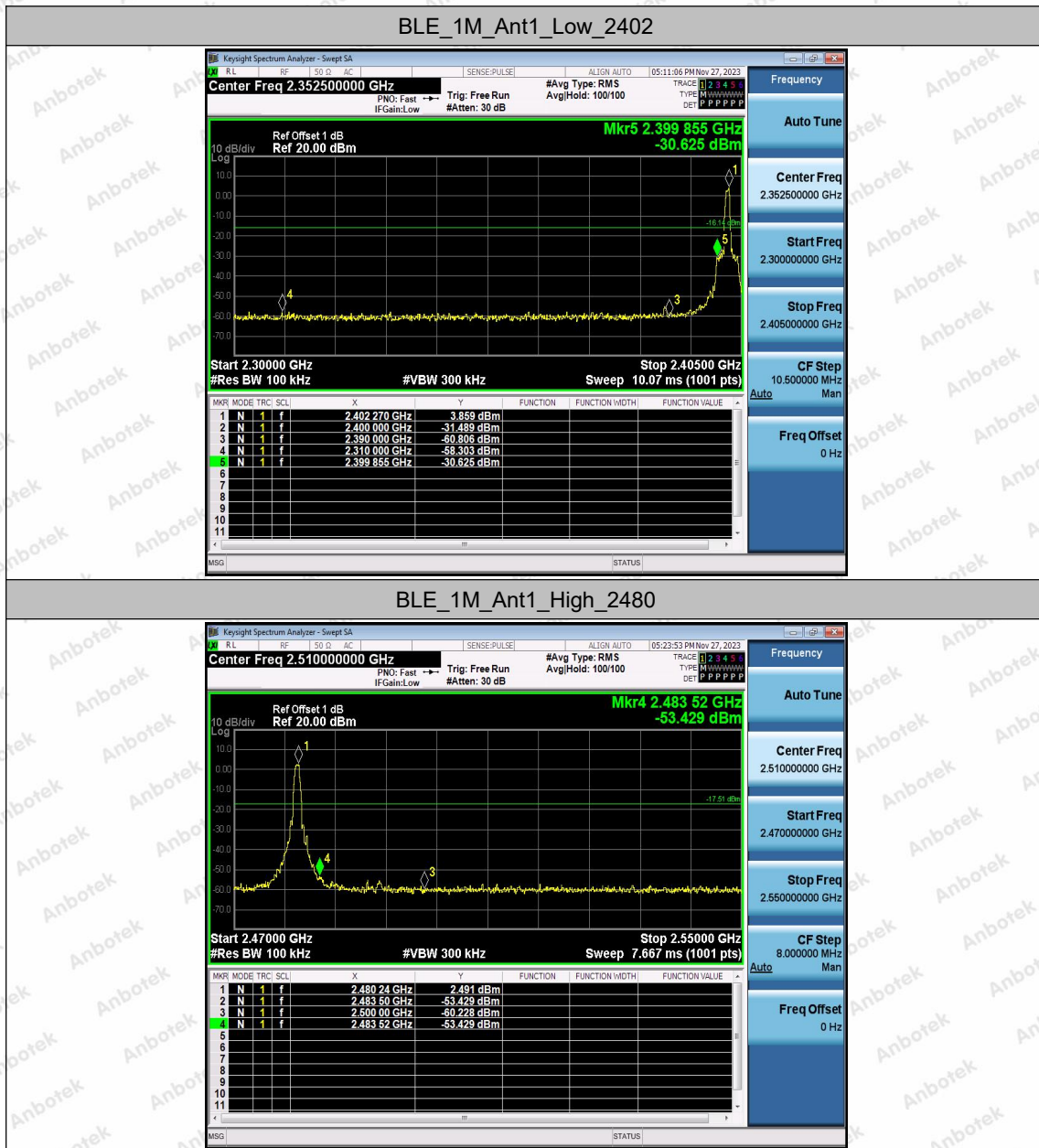


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.86	-30.63	≤-16.14	PASS
		High	2480	2.49	-53.43	≤-17.51	PASS

Test Graphs



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	3.04	3.04	---	PASS
			30~1000	3.04	-68.96	≤-16.96	PASS
			1000~26500	3.04	-53.53	≤-16.96	PASS
		2440	Reference	2.43	2.43	---	PASS
			30~1000	2.43	-68.43	≤-17.57	PASS
			1000~26500	2.43	-53.83	≤-17.57	PASS
		2480	Reference	1.42	1.42	---	PASS
			30~1000	1.42	-68.77	≤-18.58	PASS
			1000~26500	1.42	-53.12	≤-18.58	PASS

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Test Graphs

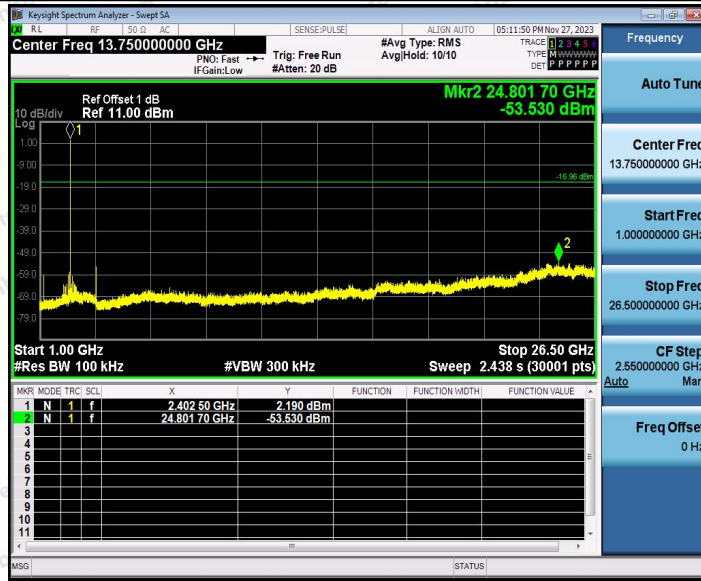


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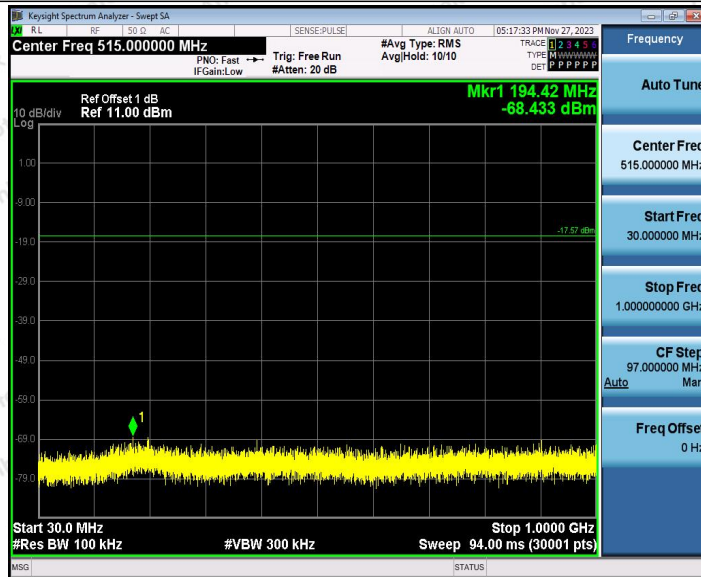




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



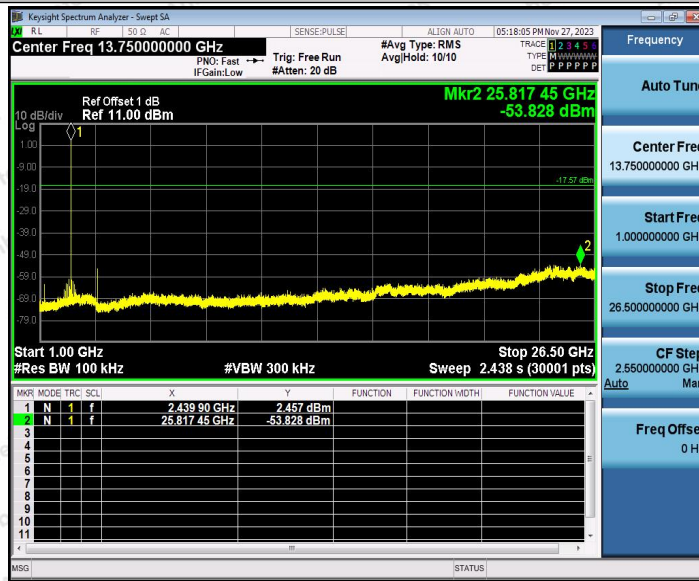
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



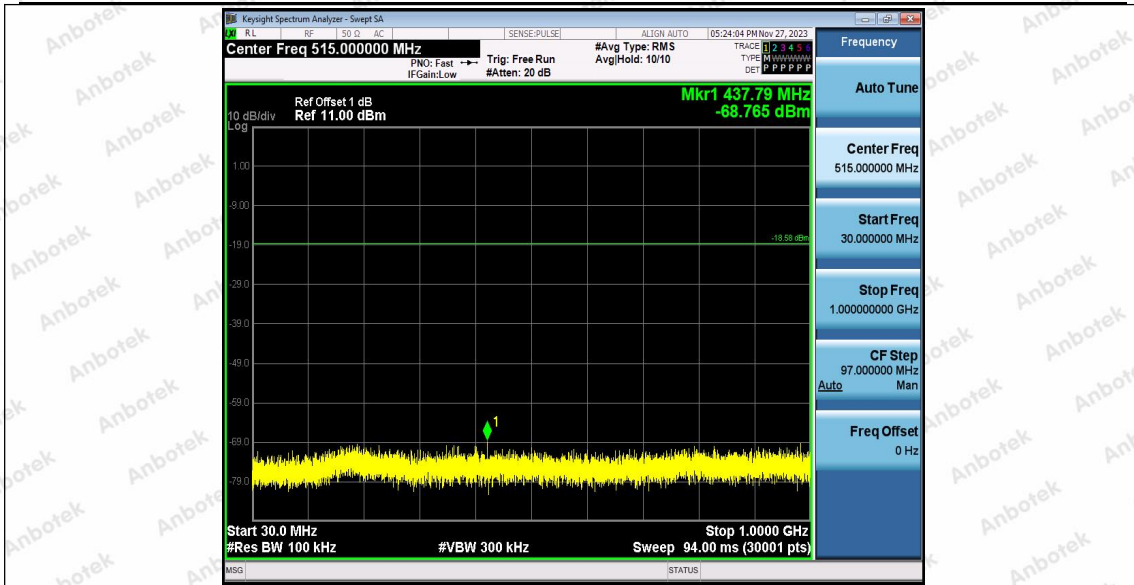
BLE_1M_Ant1_2480_30~1000

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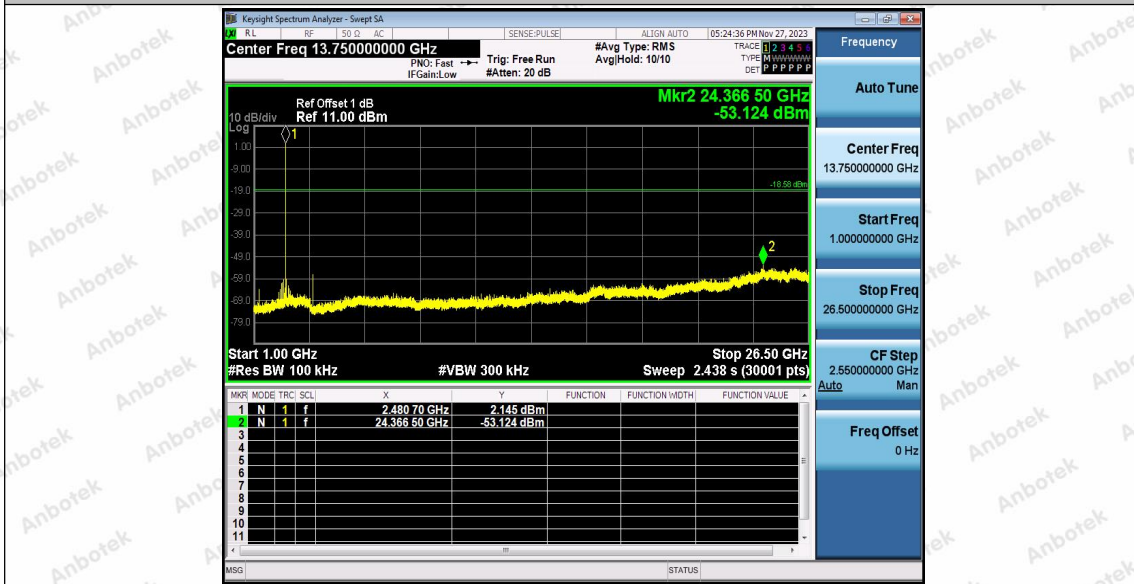
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BLE_1M_Ant1_2480_1000~26500



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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	2.13	2.50	85.20	0.70
		2440	2.12	2.50	84.80	0.72
		2480	2.13	2.50	85.20	0.70

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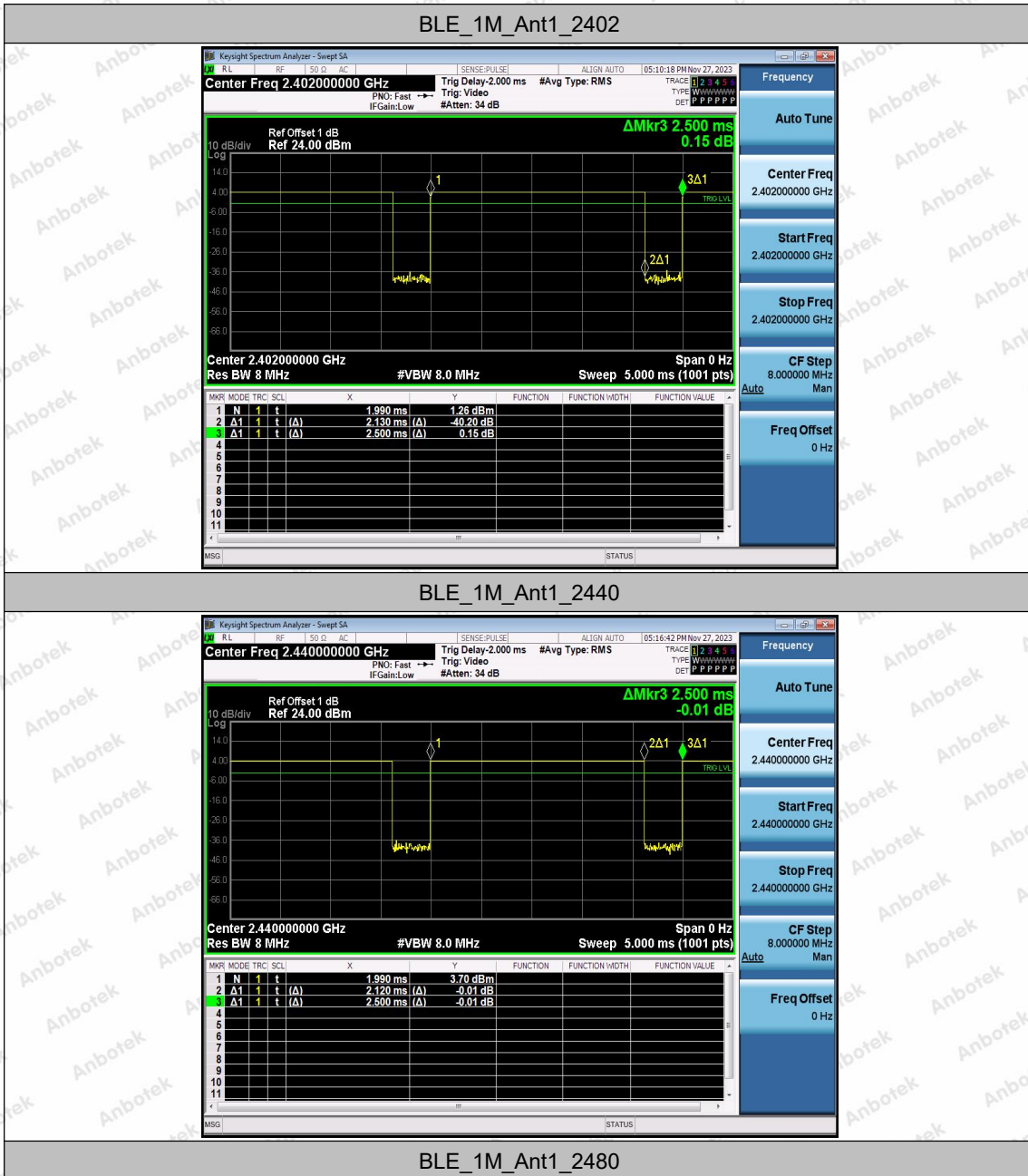
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Test Graphs

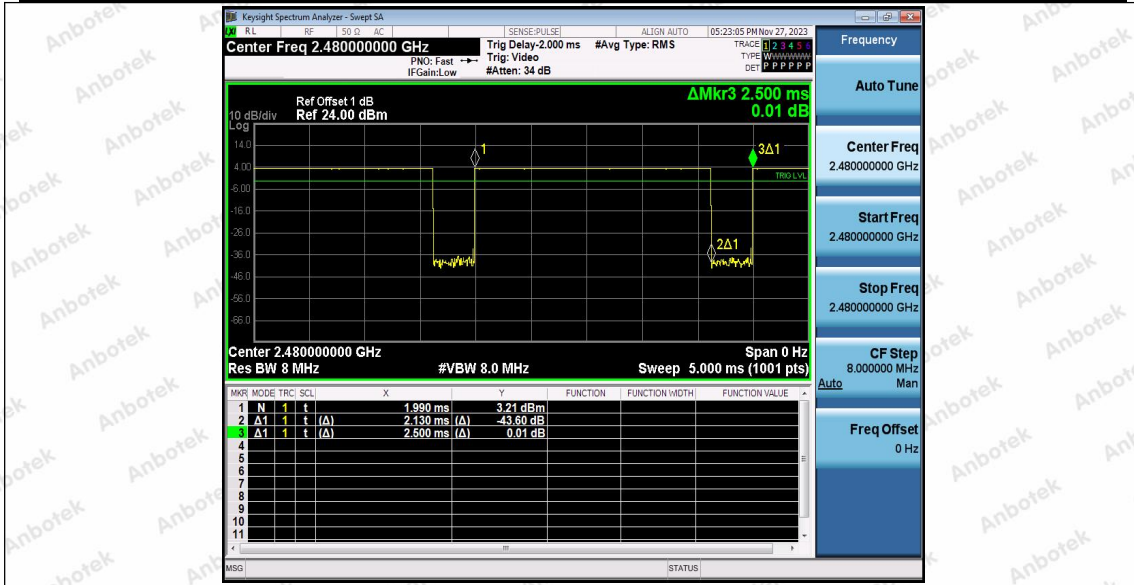


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