

Appendix Test Data

Report No.:	18220WC30272101	Test Sample No.:	1-2-2
Start Test Date:	2023.12.24	Finish Test Date:	2023.12.25
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	24.2°C	Relative Humidity:	45%
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	0.704	2401.652	2402.356	0.5	PASS
		2440	0.668	2439.668	2440.336	0.5	PASS
		2480	0.668	2479.672	2480.340	0.5	PASS

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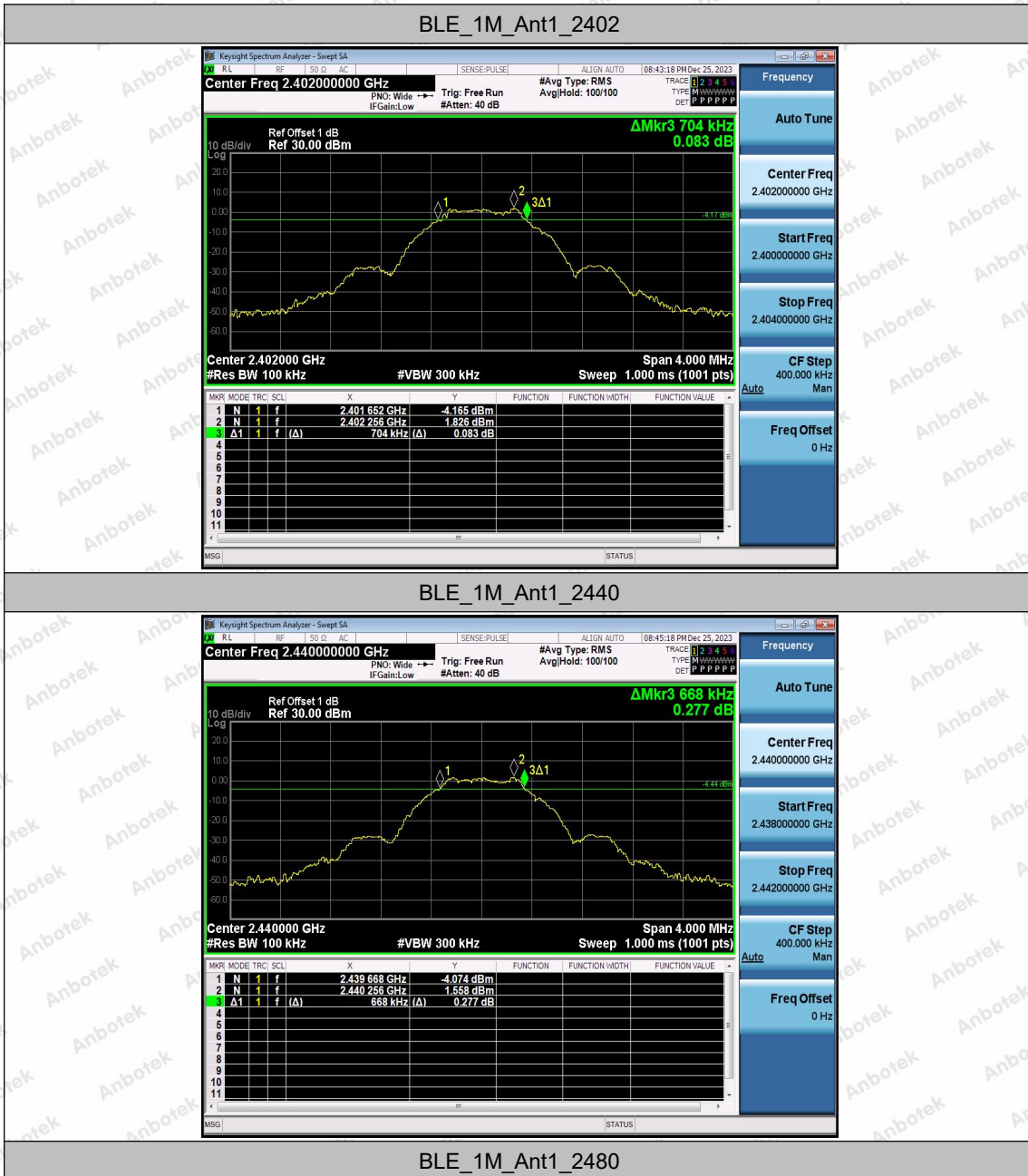
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Test Graphs



BLE_1M_Ant1_2480

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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	1.0261	2401.4998	2402.5259
		2440	1.0245	2439.5031	2440.5276
		2480	1.0306	2479.4980	2480.5286

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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	2.85	≤30	PASS
		2440	2.60	≤30	PASS
		2480	1.86	≤30	PASS

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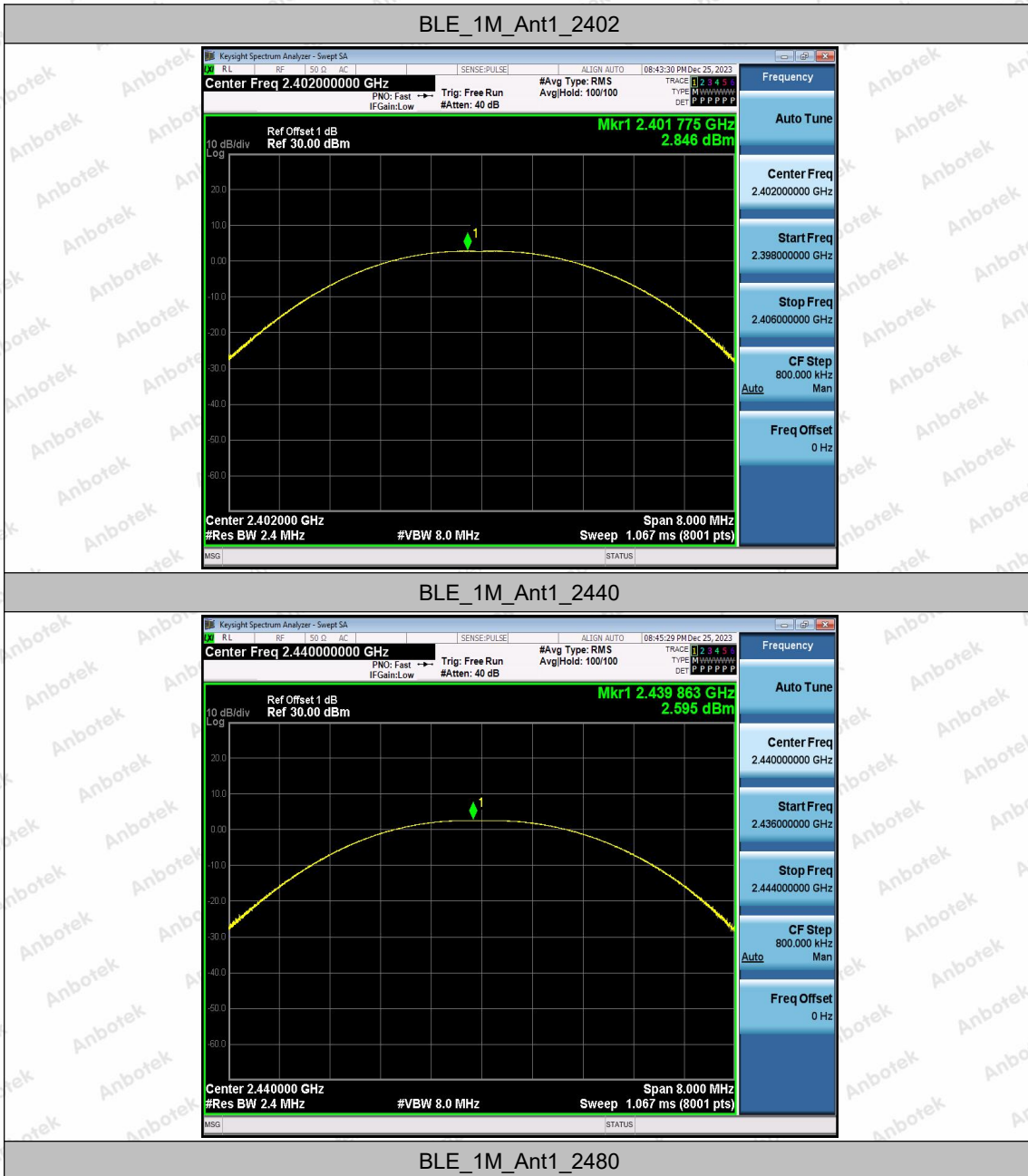
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Test Graphs Peak

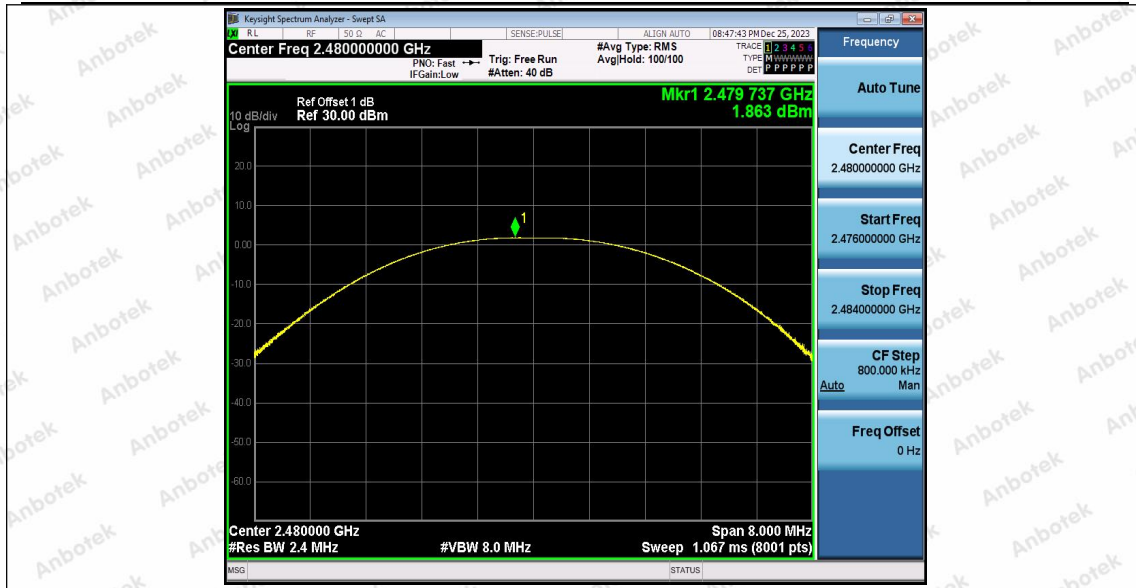


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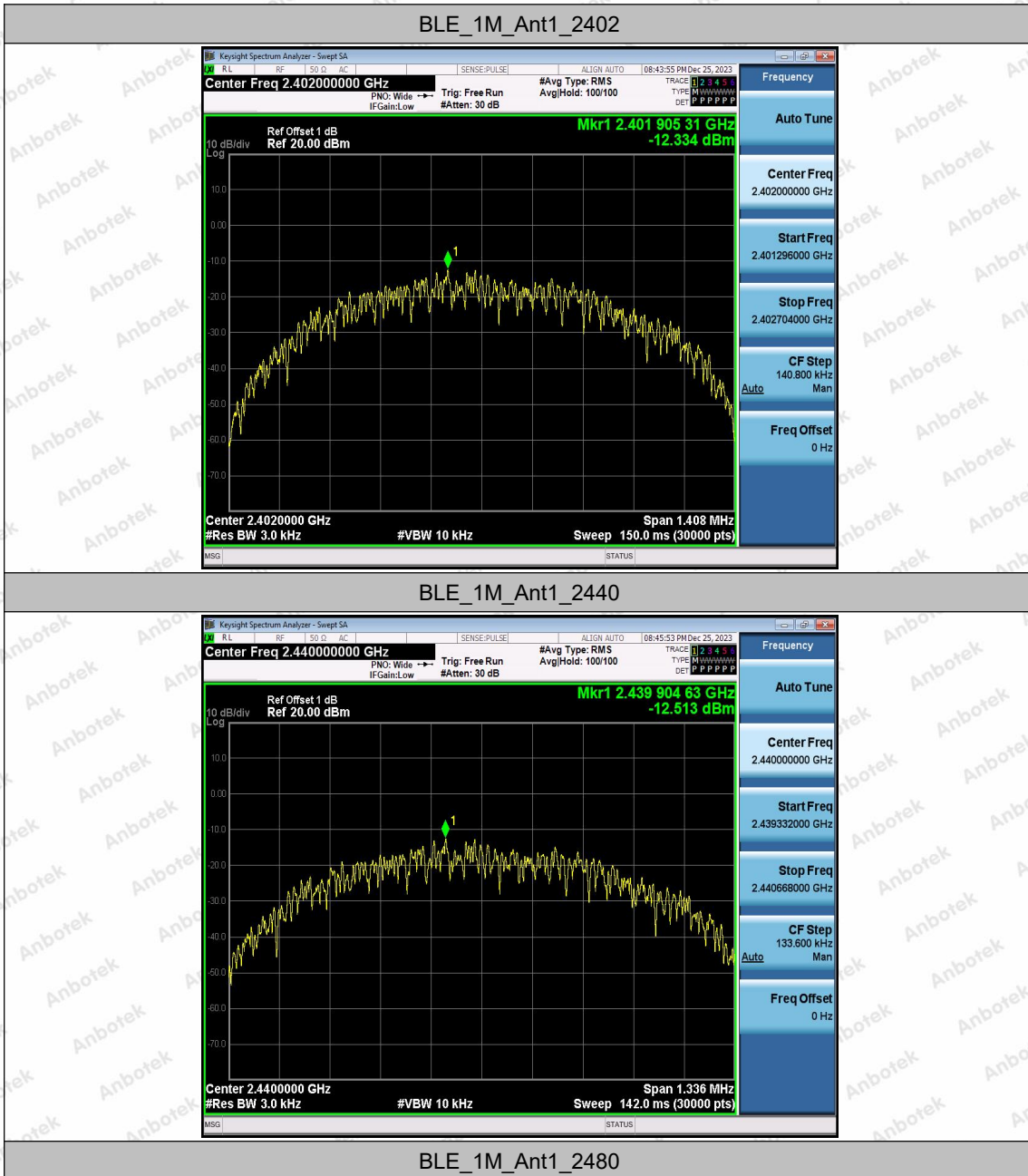
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.33	≤8.00	PASS
		2440	-12.51	≤8.00	PASS
		2480	-13.26	≤8.00	PASS



Test Graphs



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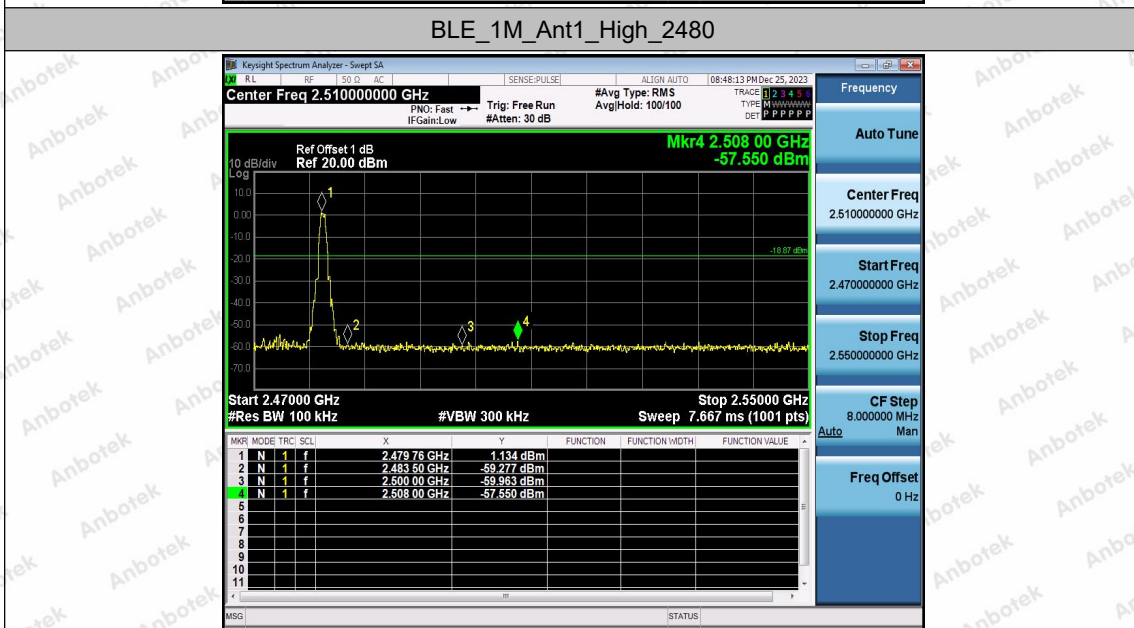
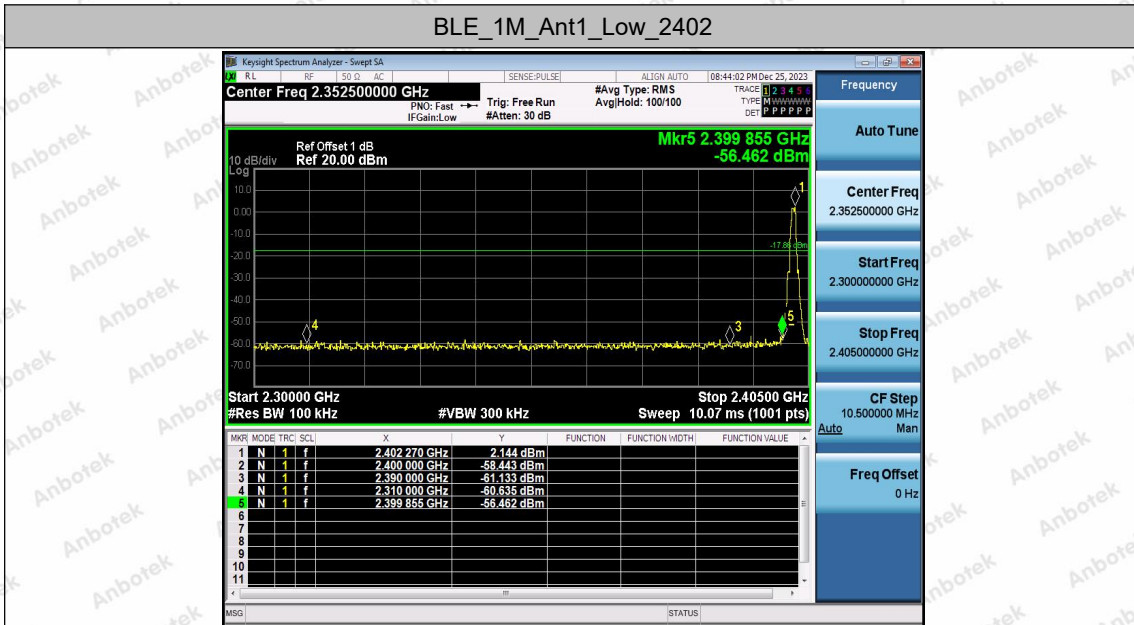
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.14	-56.46	≤-17.86	PASS
		High	2480	1.13	-57.55	≤-18.87	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	1.92	1.92	---	PASS
			30~1000	1.92	-68.77	≤-18.08	PASS
			1000~26500	1.92	-52.7	≤-18.08	PASS
		2440	Reference	1.44	1.44	---	PASS
			30~1000	1.44	-68.94	≤-18.56	PASS
			1000~26500	1.44	-53.5	≤-18.56	PASS
		2480	Reference	0.03	0.03	---	PASS
			30~1000	0.03	-67.65	≤-19.97	PASS
			1000~26500	0.03	-53.3	≤-19.97	PASS

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Test Graphs

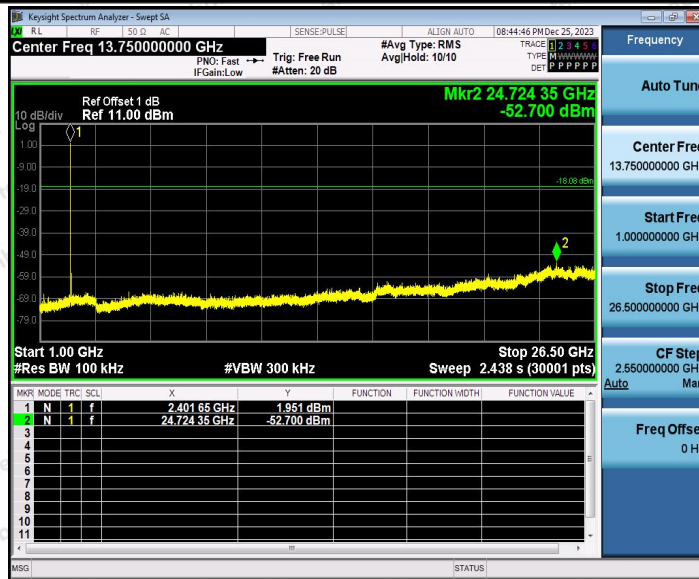


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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

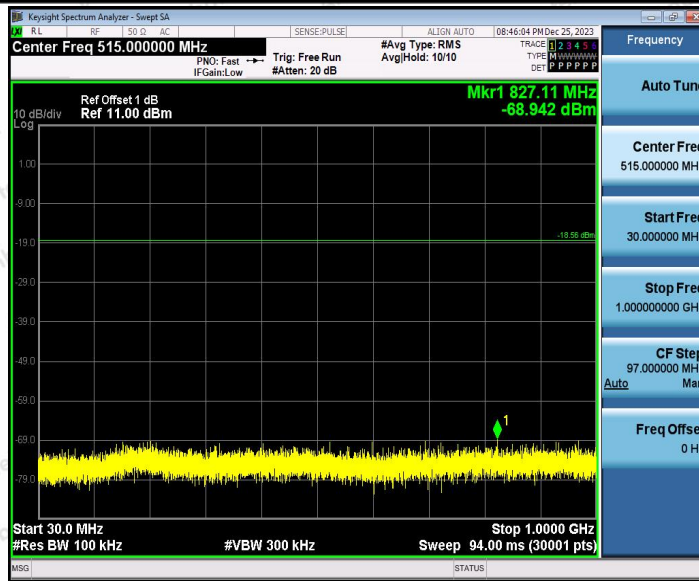
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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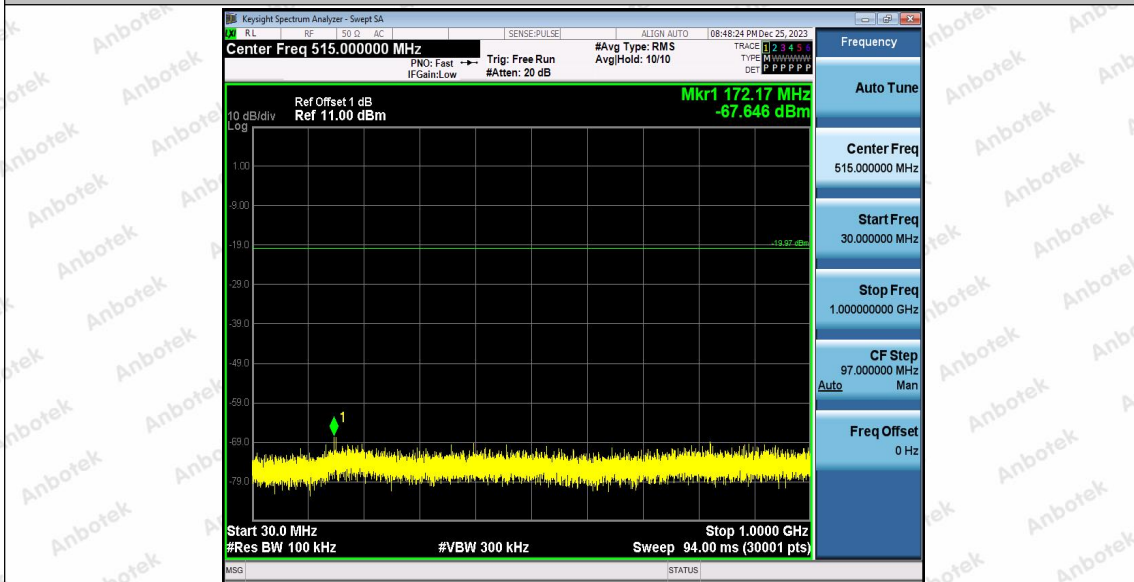
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BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

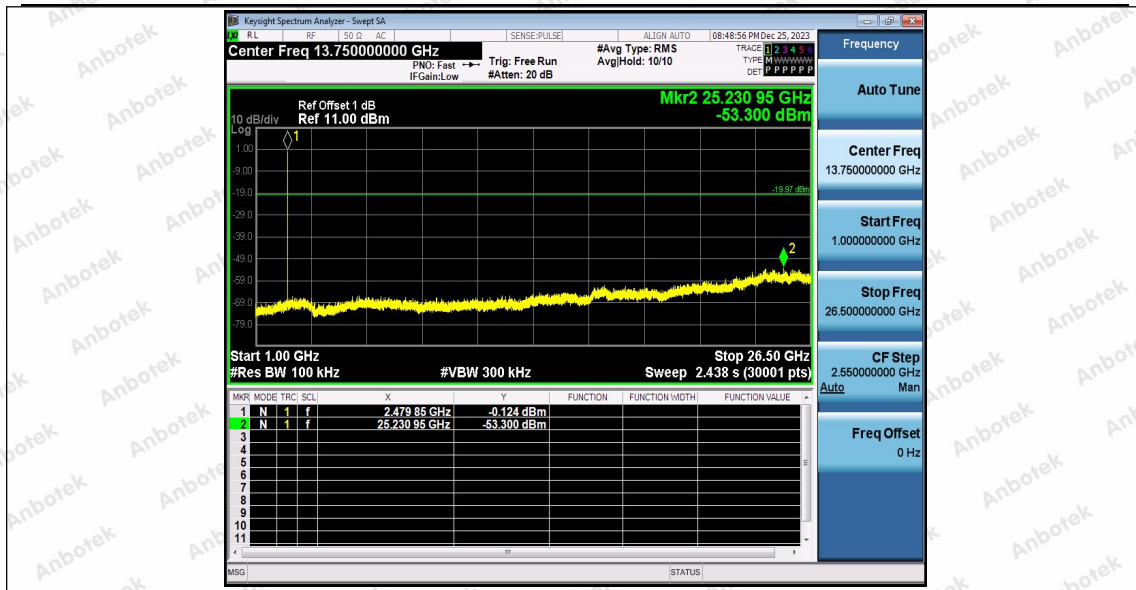
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	0.63	60.32	2.20
		2440	0.38	0.62	61.29	2.13
		2480	0.38	0.63	60.32	2.20

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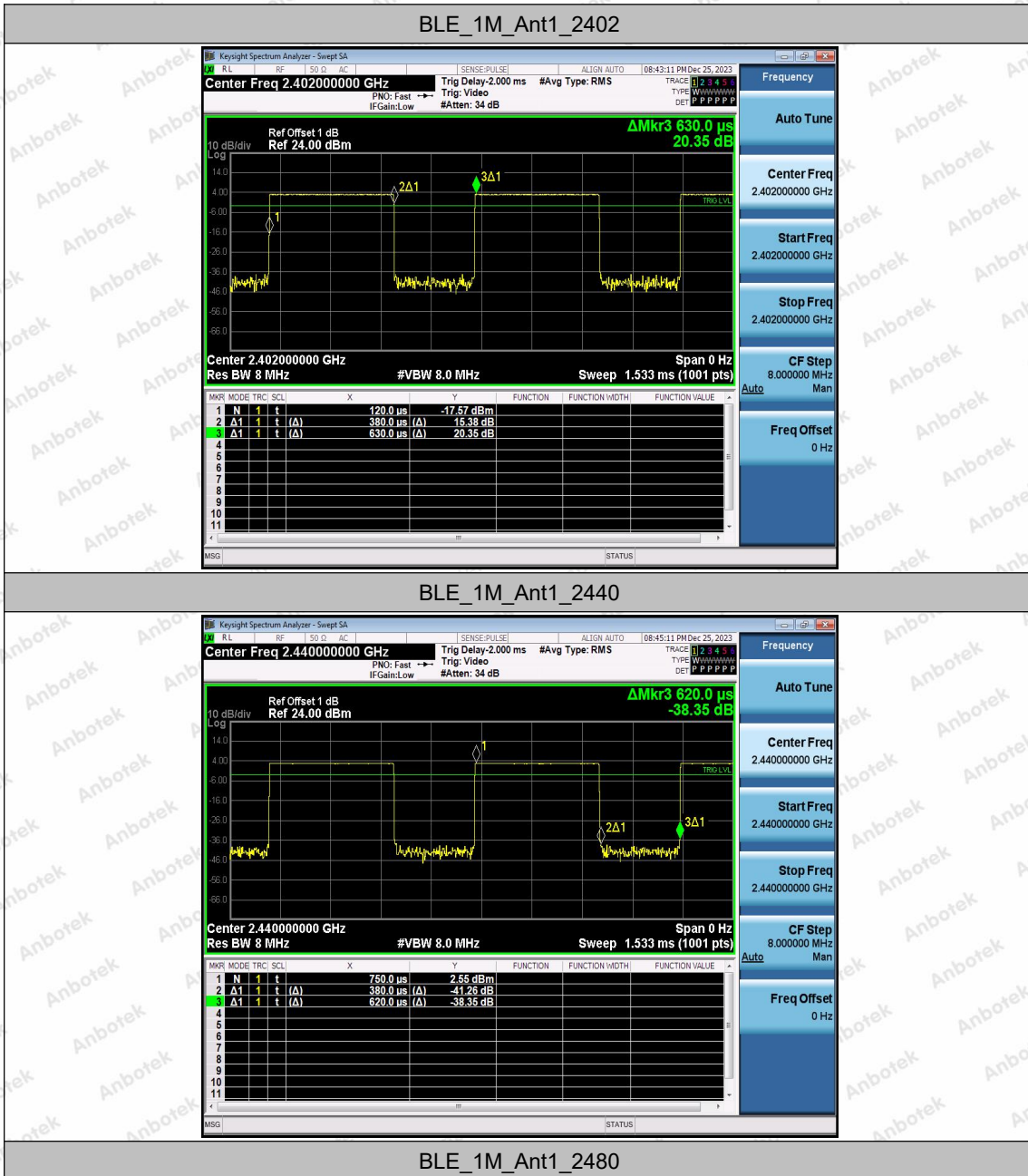
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Test Graphs

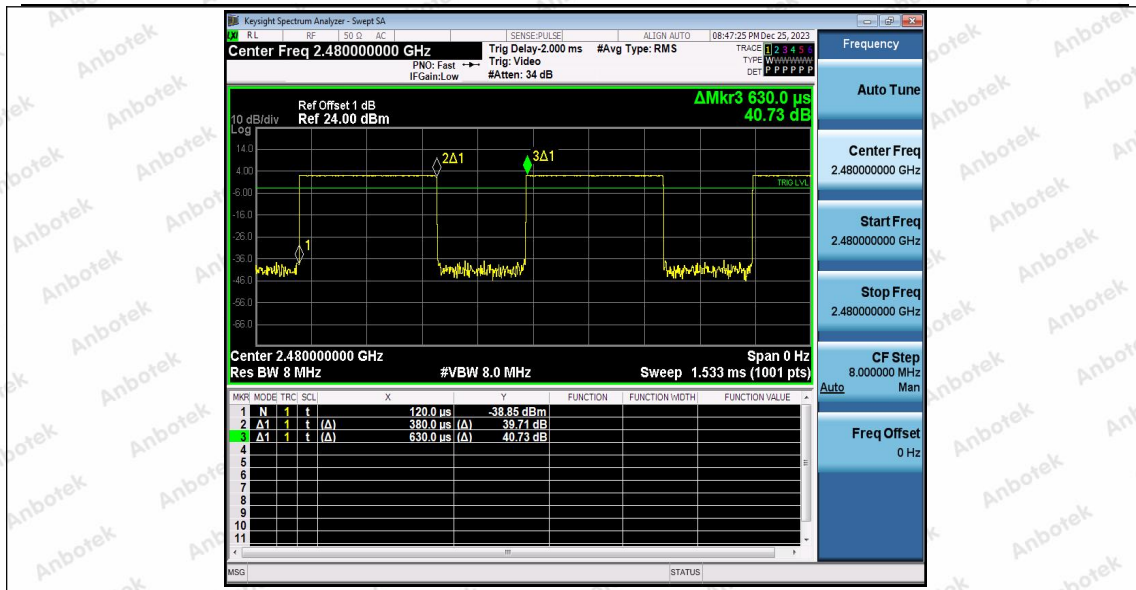


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