

Appendix Test Data

Report No.:	18220WC30203301	Test Sample No.:	1-2-2
Start Test Date:	2023.09.15	Finish Test Date:	2023.09.26
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	26.1°C	Relative Humidity:	49.5%
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	0.612	2401.660	2402.272	0.5	PASS
		2440	0.652	2439.624	2440.276	0.5	PASS
		2480	0.636	2479.628	2480.264	0.5	PASS

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Test Graphs

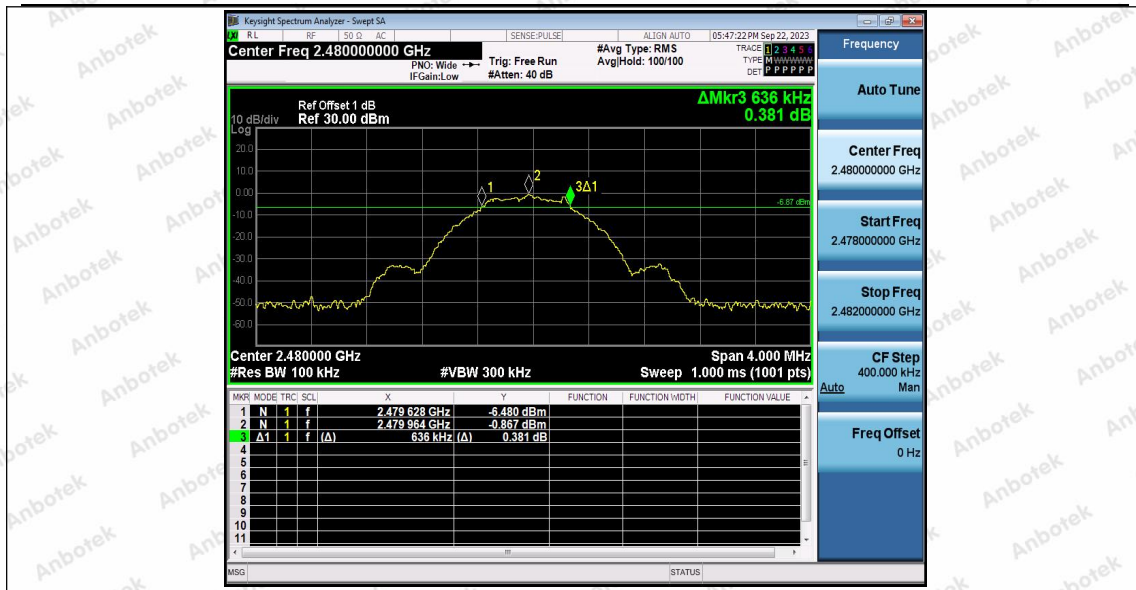


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0230	2401.4491	2402.4721
		2440	1.0246	2439.4438	2440.4684
		2480	1.0242	2479.4417	2480.4659

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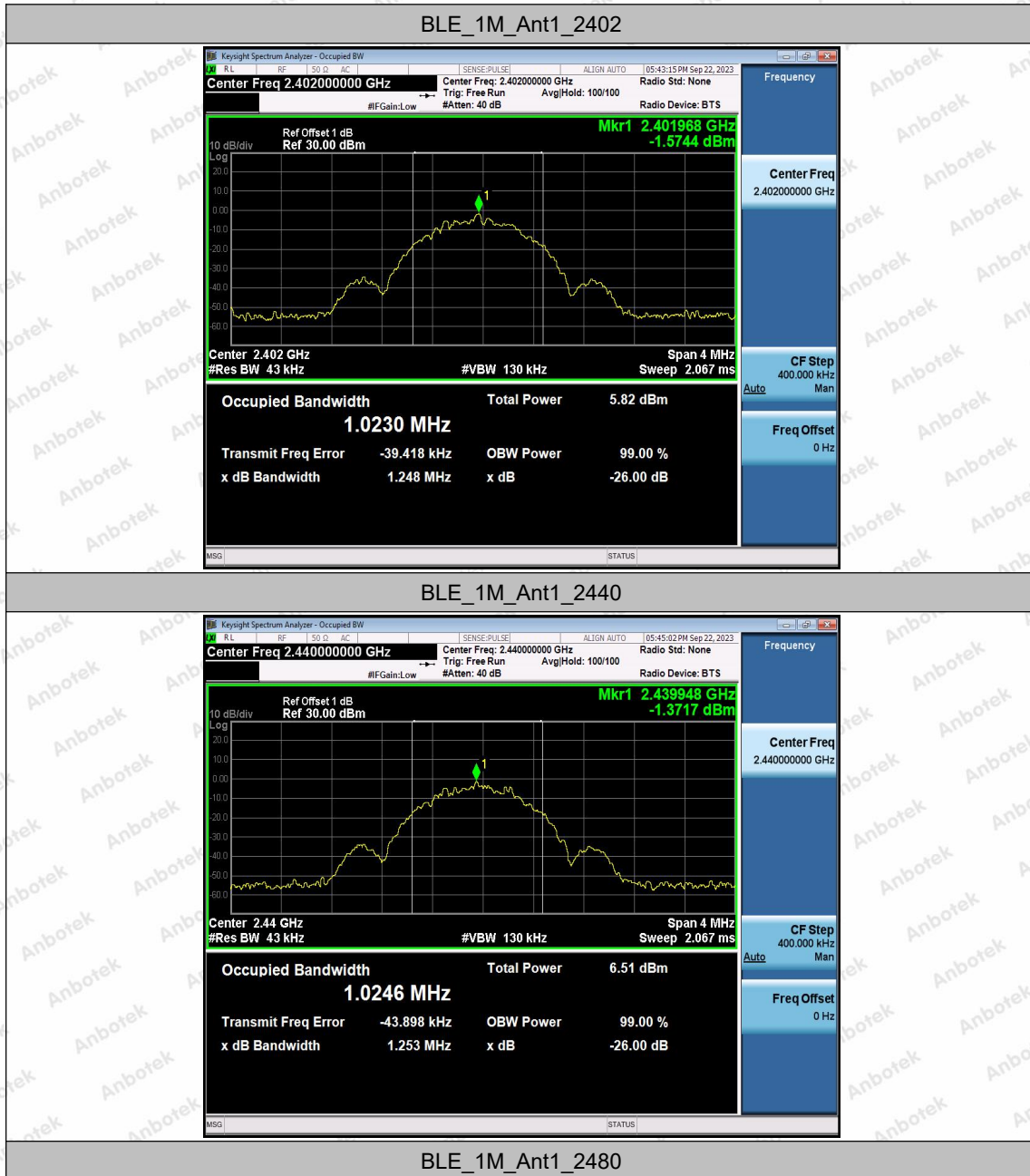
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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.41	≤30	PASS
		2440	0.29	≤30	PASS
		2480	0.02	≤30	PASS

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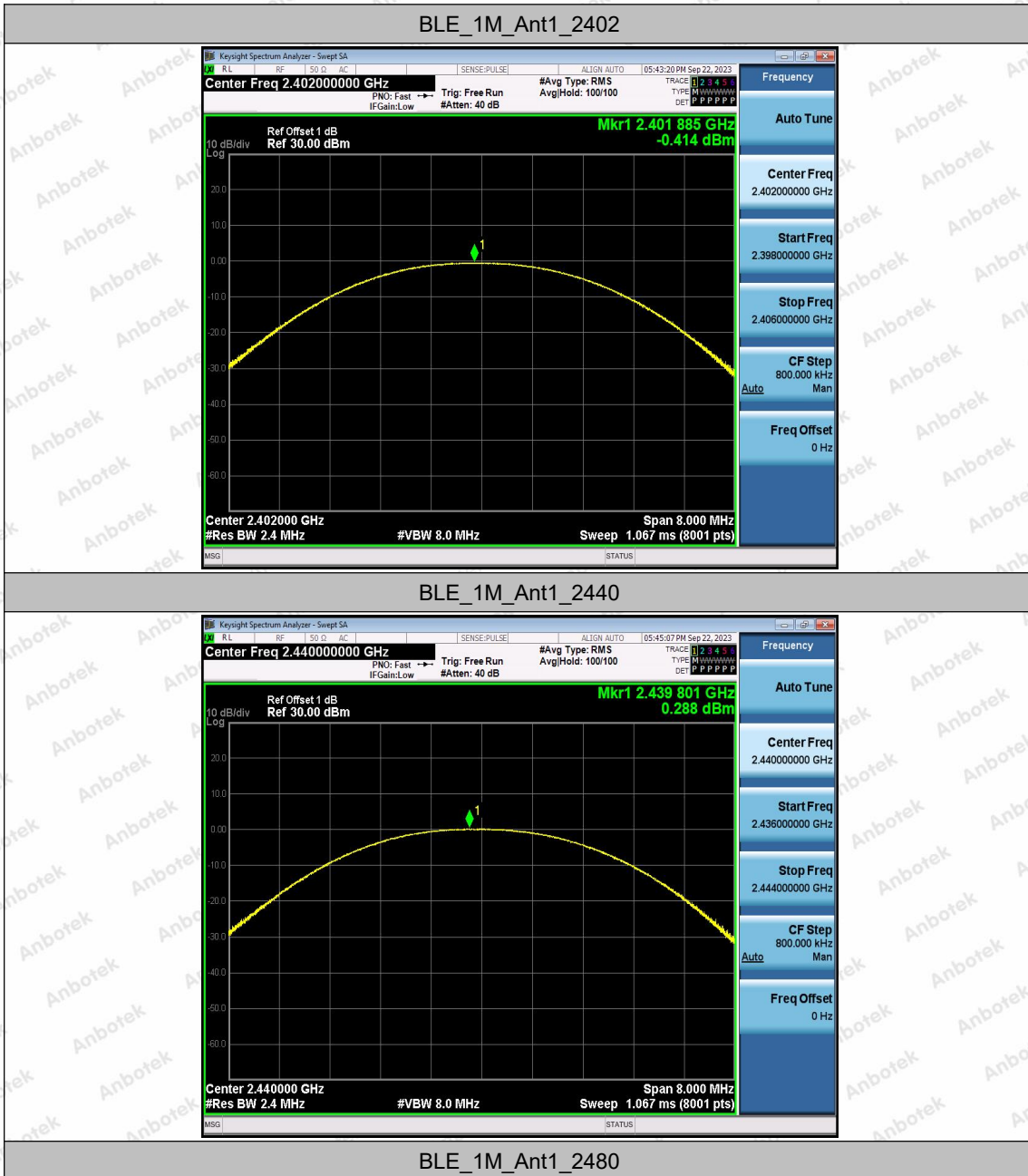
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Test Graphs Peak



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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	-15.6	≤8.00	PASS
		2440	-15.24	≤8.00	PASS
		2480	-15.3	≤8.00	PASS



Test Graphs

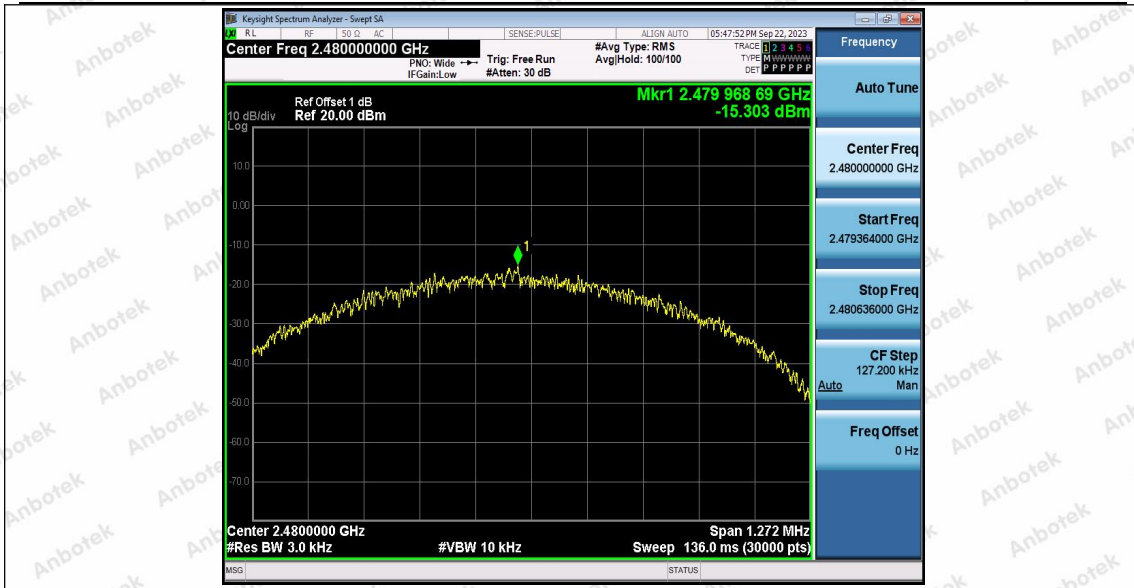


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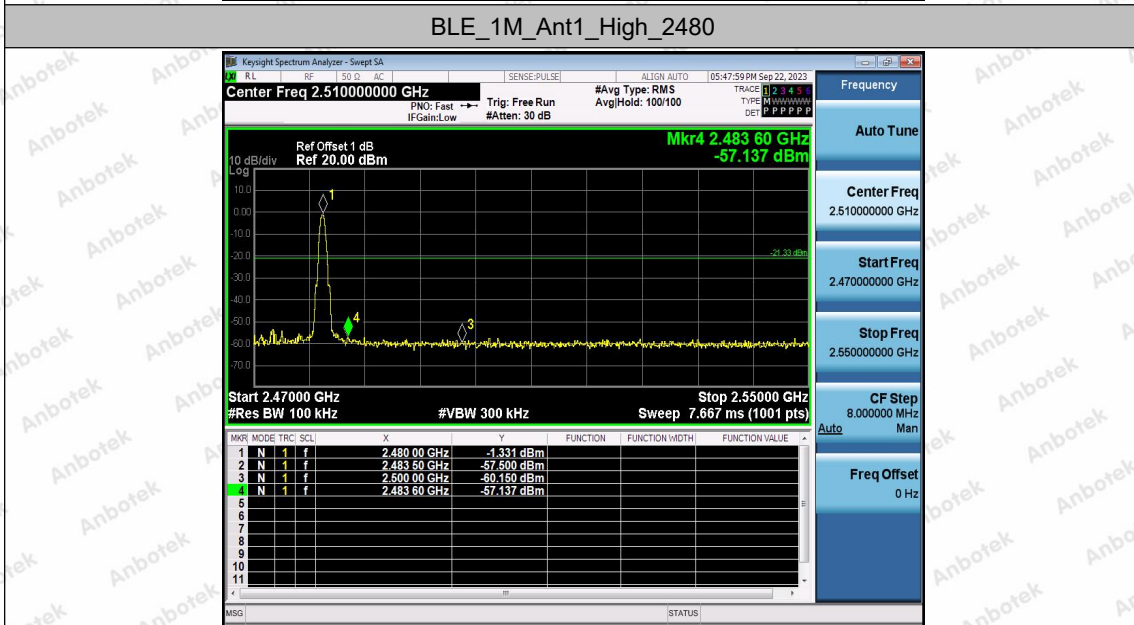
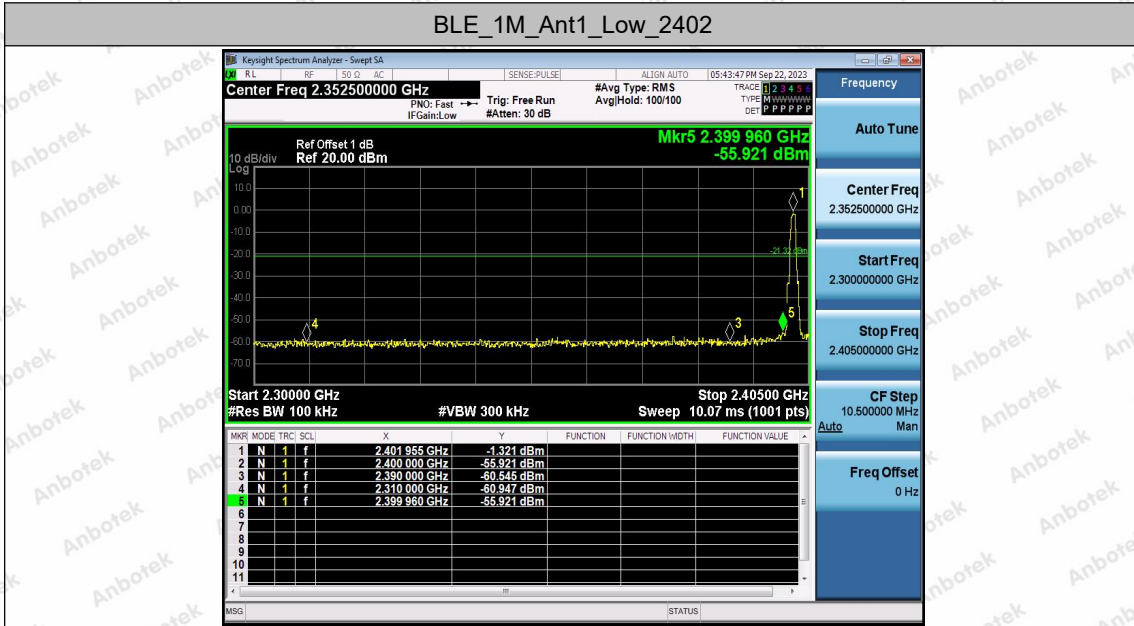
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.32	-55.92	≤-21.32	PASS
		High	2480	-1.33	-57.14	≤-21.33	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	-2.16	-2.16	---	PASS
			30~1000	-2.16	-68.57	≤-22.16	PASS
			1000~26500	-2.16	-53.64	≤-22.16	PASS
		2440	Reference	-2.11	-2.11	---	PASS
			30~1000	-2.11	-68.71	≤-22.11	PASS
			1000~26500	-2.11	-53.5	≤-22.11	PASS
		2480	Reference	-1.76	-1.76	---	PASS
			30~1000	-1.76	-69.31	≤-21.76	PASS
			1000~26500	-1.76	-53.81	≤-21.76	PASS

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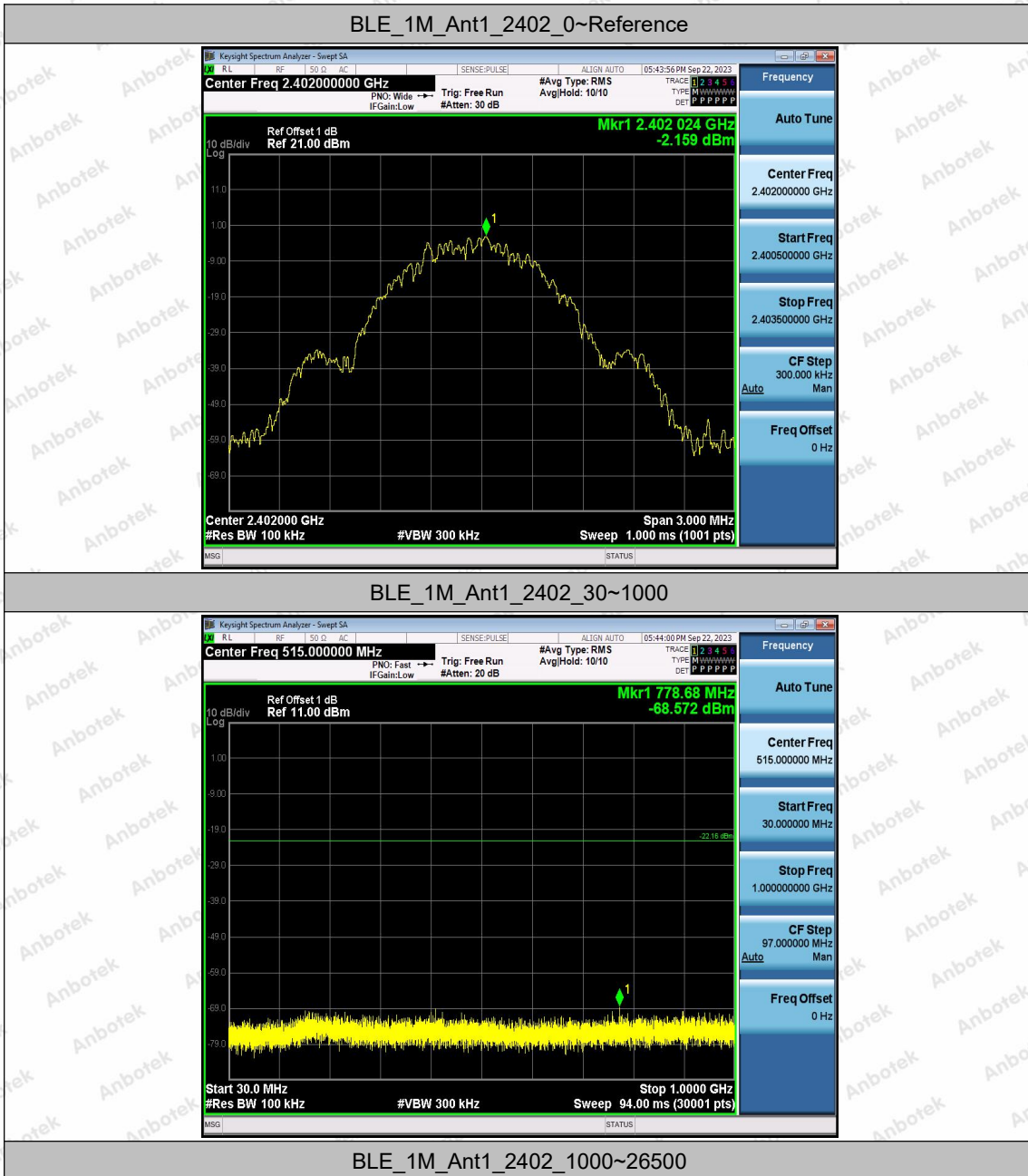
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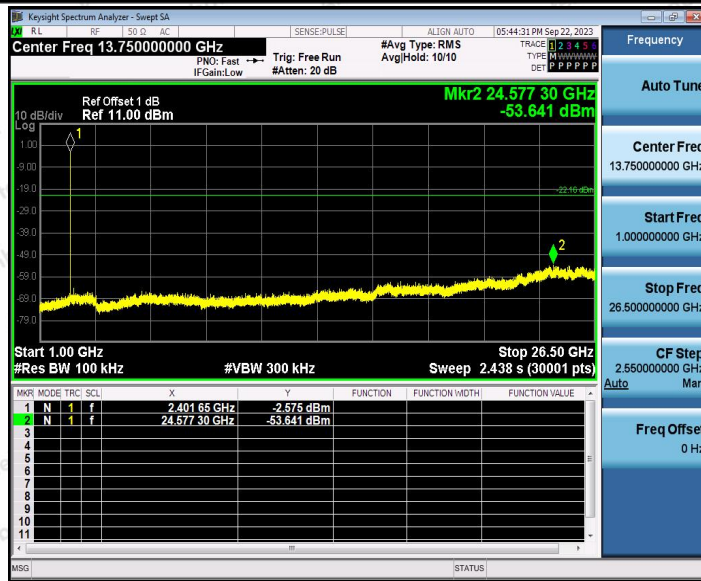


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BLE_1M_Ant1_2440_0~Reference



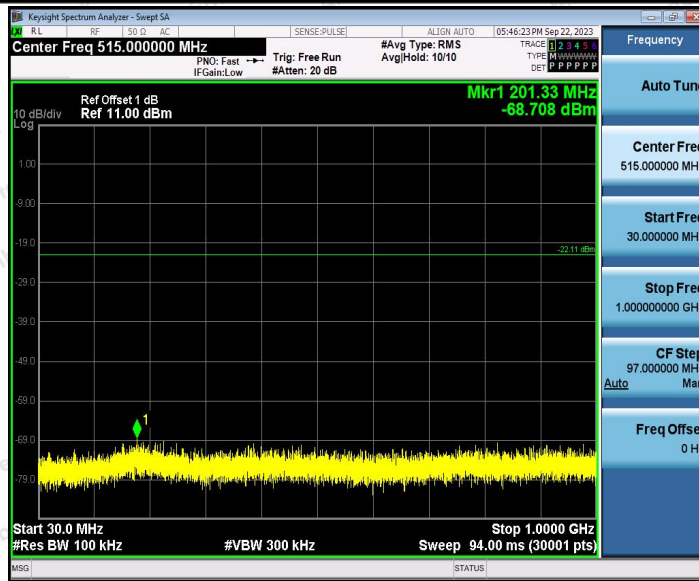
BLE_1M_Ant1_2440_30~1000

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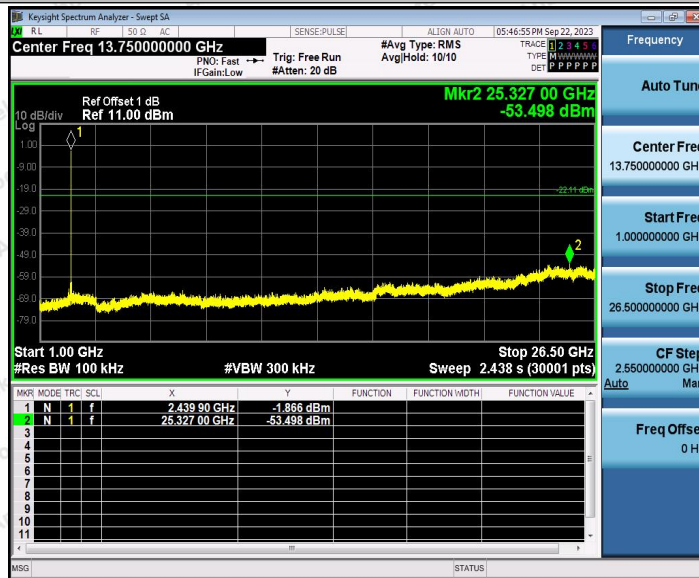
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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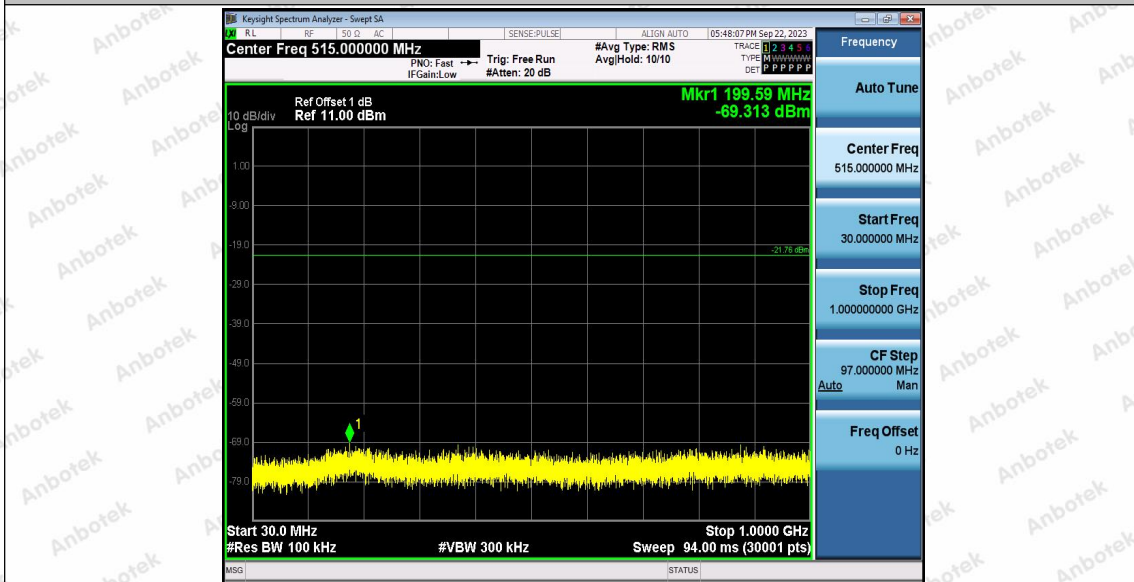
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BLE_1M_Ant1_2480_30~1000



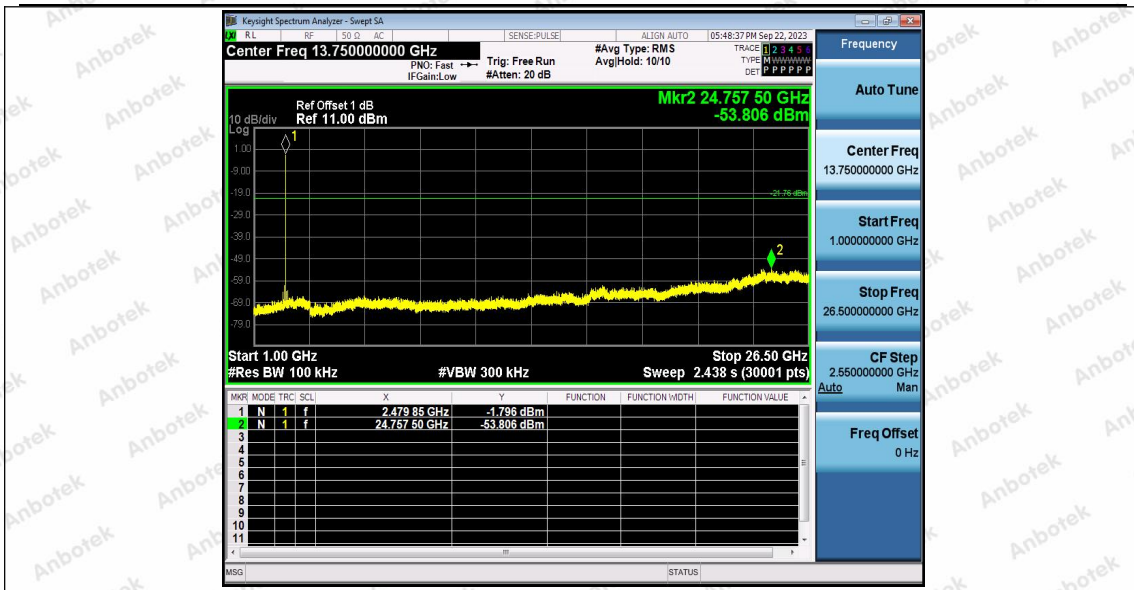
BLE_1M_Ant1_2480_1000~26500

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Appendix G: Duty Cycle

Test Result

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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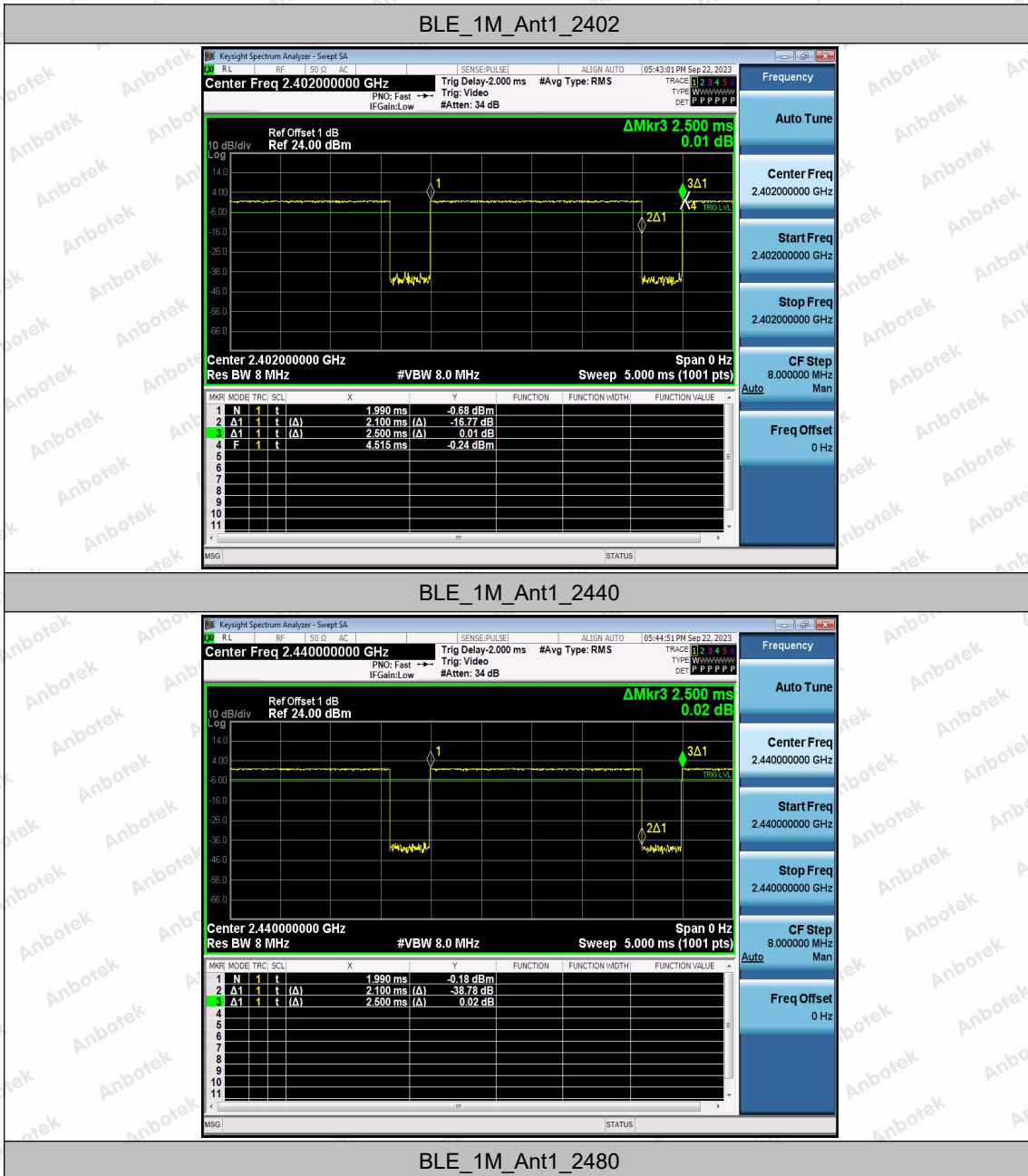
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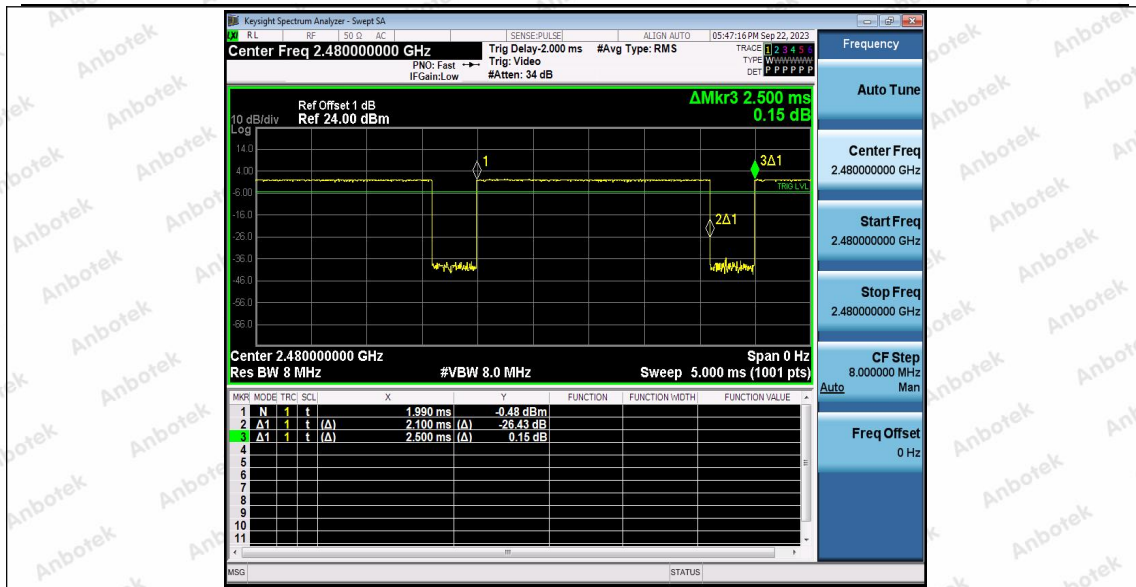


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Test Graphs





---End---

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