

Appendix Test Data

Report No.:	18220WC30206502	Test Sample No.:	1-2-2
Start Test Date:	2023.09.21	Finish Test Date:	2023.09.27
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.9°C	Relative Humidity:	48.7%
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	0.640	2401.684	2402.324	0.5	PASS
		2440	0.652	2439.680	2440.332	0.5	PASS
		2480	0.668	2479.668	2480.336	0.5	PASS

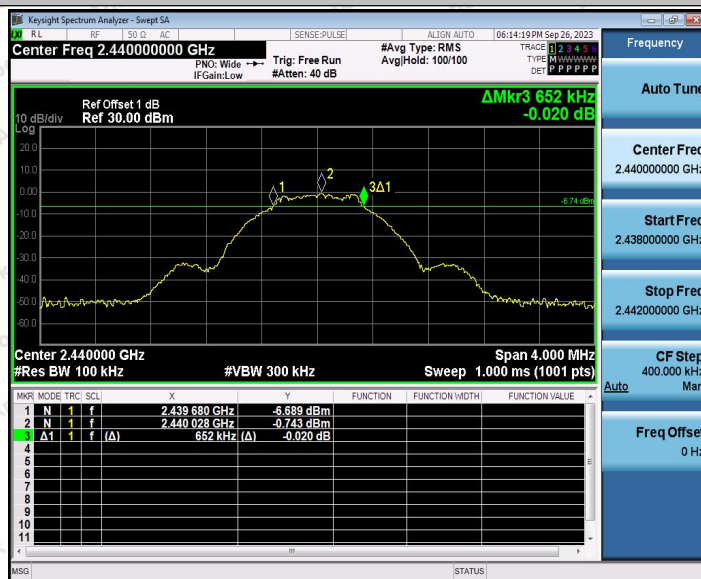


Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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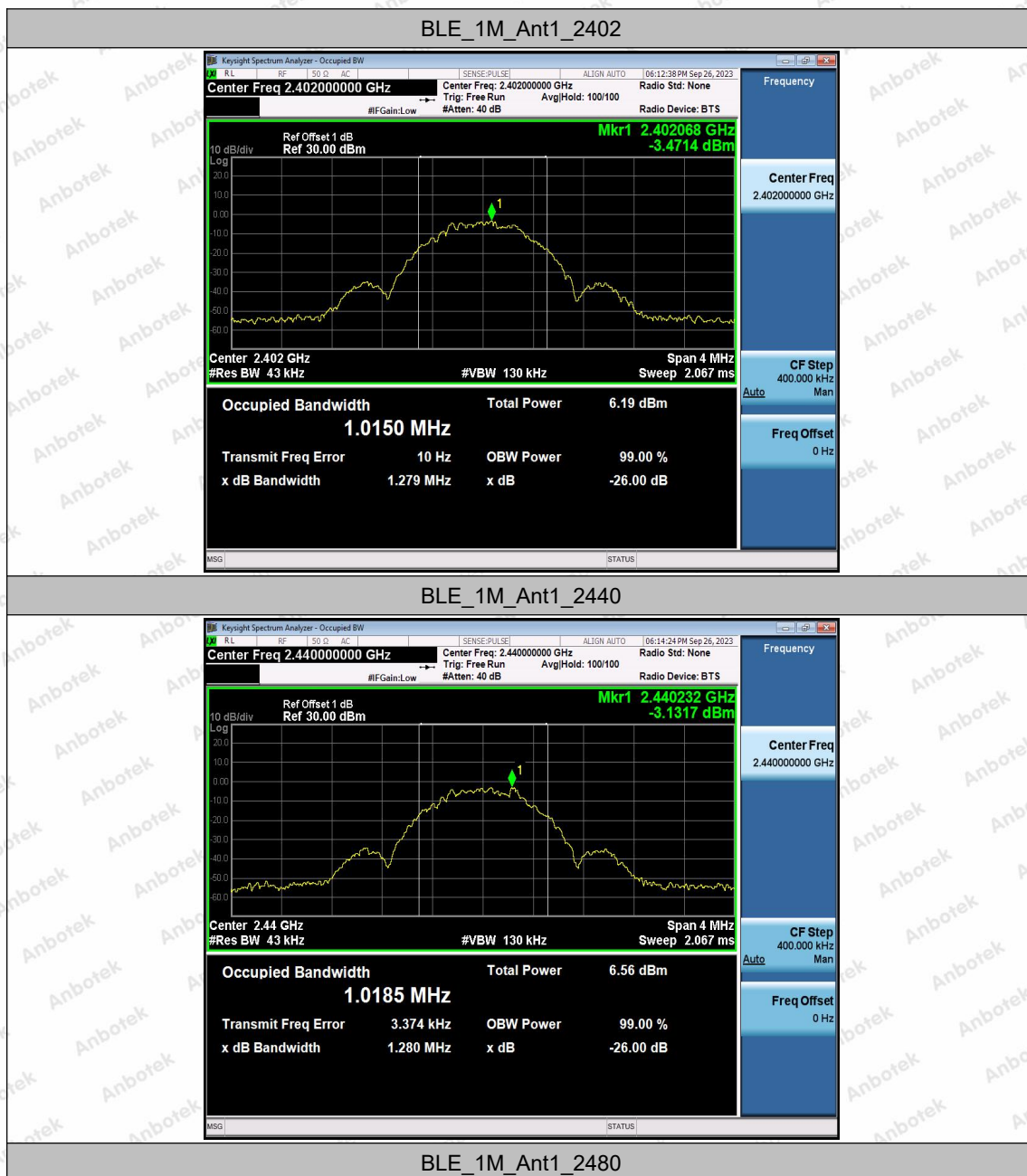
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0150	2401.4925	2402.5075
		2440	1.0185	2439.4941	2440.5126
		2480	1.0214	2479.4922	2480.5136



Test Graphs



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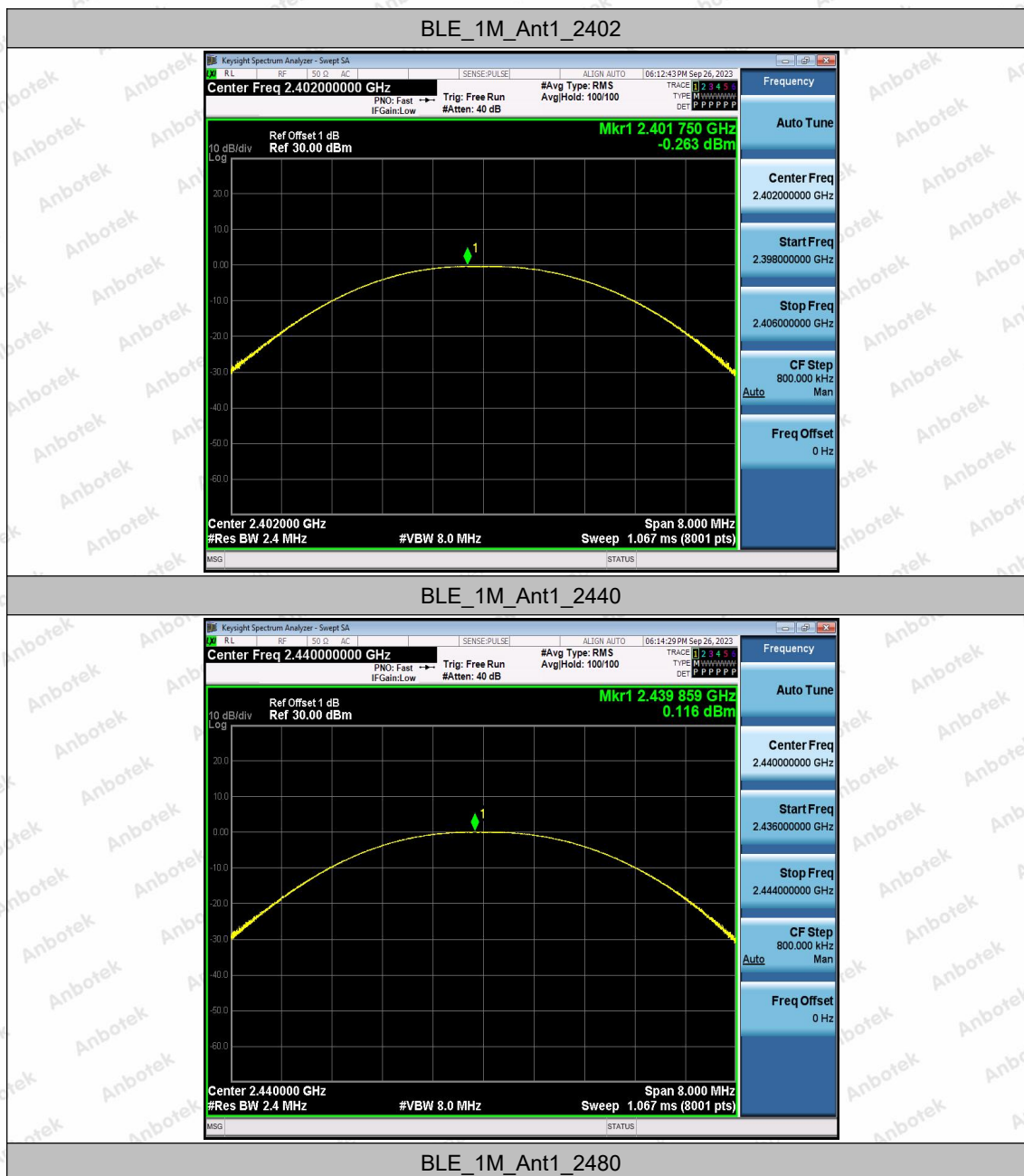
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.26	≤30	PASS
		2440	0.12	≤30	PASS
		2480	-0.46	≤30	PASS



Test Graphs Peak



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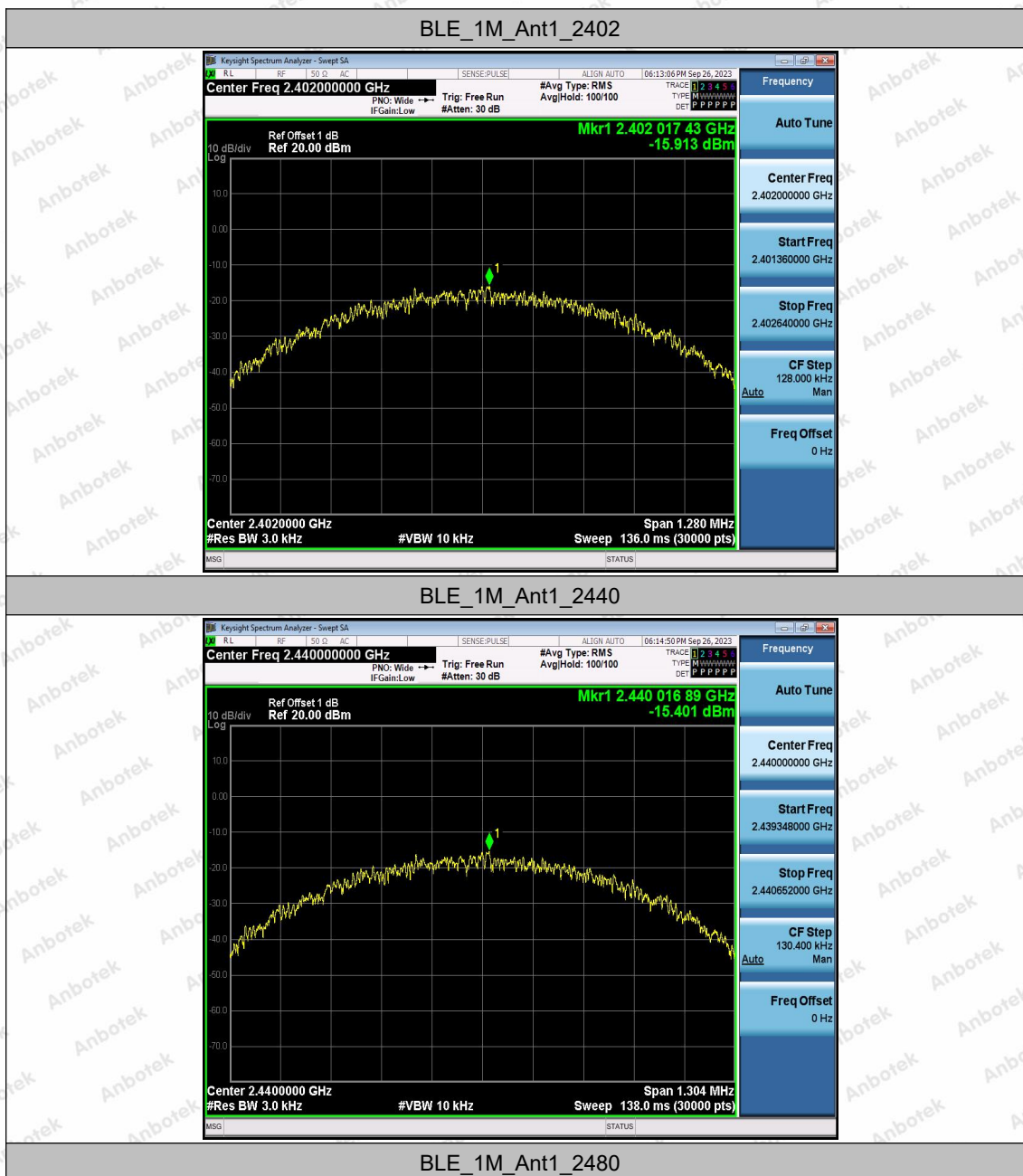
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.91	≤8.00	PASS
		2440	-15.40	≤8.00	PASS
		2480	-16.00	≤8.00	PASS



Test Graphs



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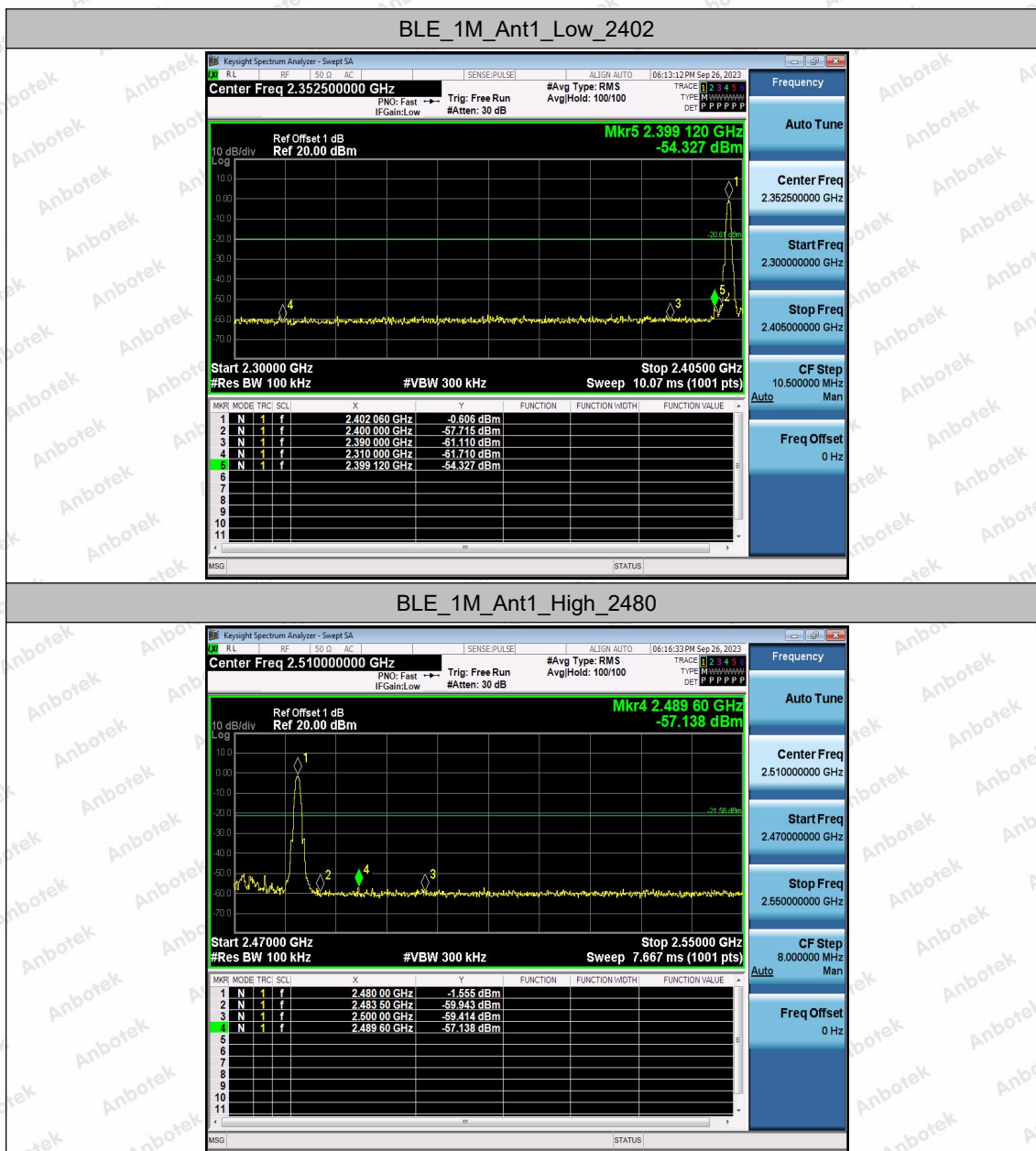
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.61	-54.33	≤-20.61	PASS
		High	2480	-1.56	-57.14	≤-21.56	PASS



Test Graphs



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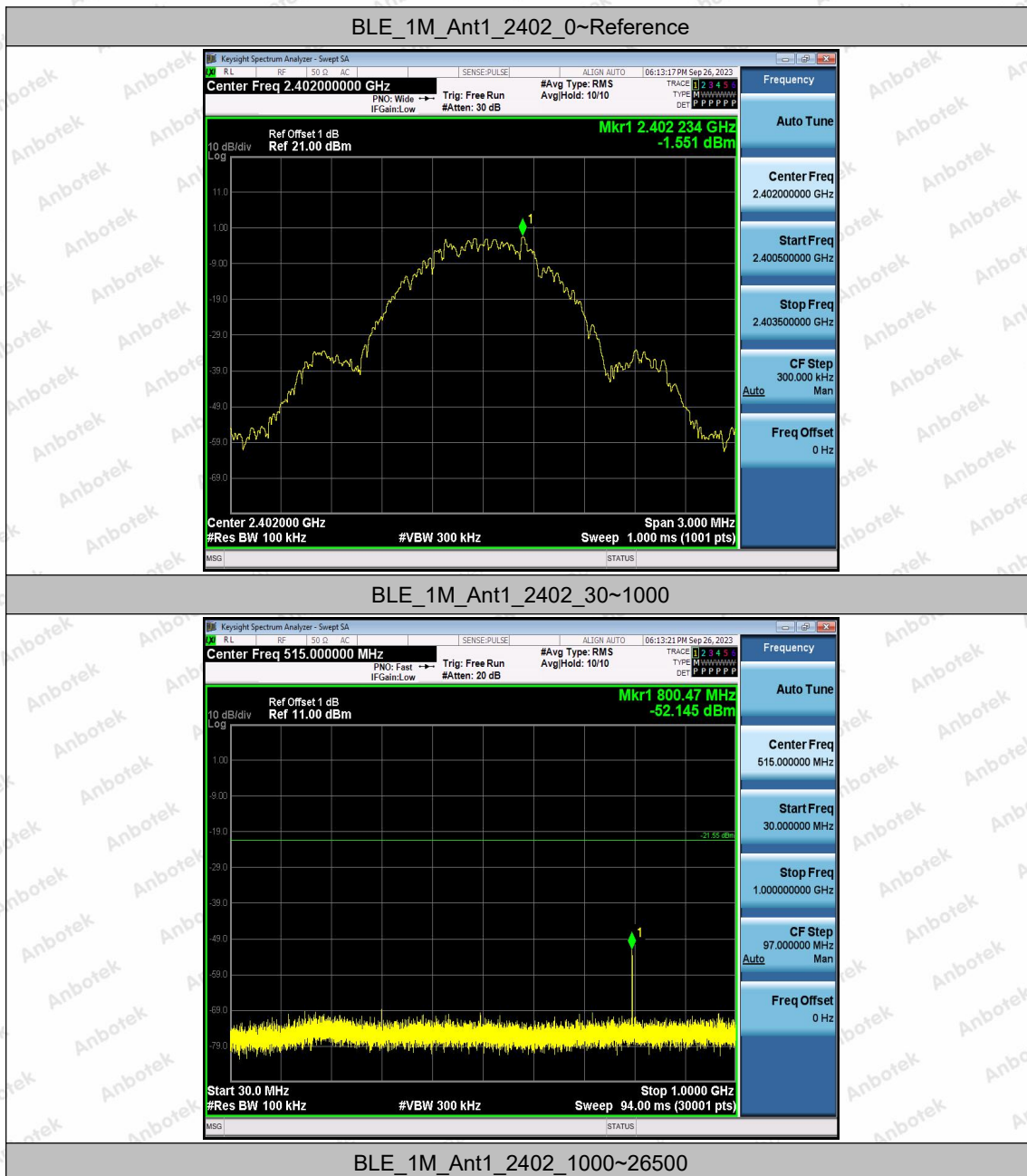
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.55	-1.55	---	PASS
			30~1000	-1.55	-52.15	≤-21.55	PASS
			1000~26500	-1.55	-51.66	≤-21.55	PASS
		2440	Reference	-1.46	-1.46	---	PASS
			30~1000	-1.46	-50.69	≤-21.46	PASS
			1000~26500	-1.46	-53.04	≤-21.46	PASS
		2480	Reference	-1.80	-1.80	---	PASS
			30~1000	-1.80	-50.9	≤-21.8	PASS
			1000~26500	-1.80	-53.09	≤-21.8	PASS



Test Graphs



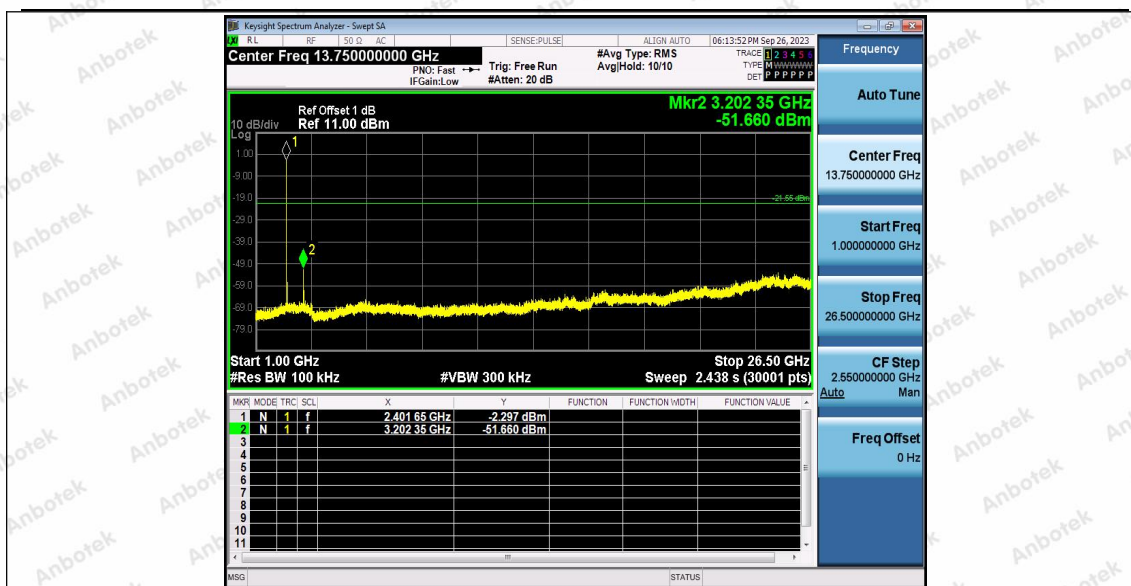
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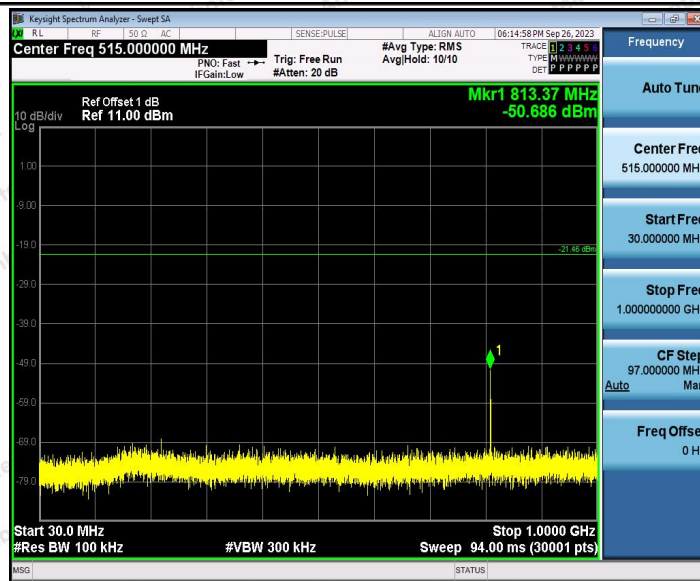


BLE_1M_Ant1_2440_0~Reference

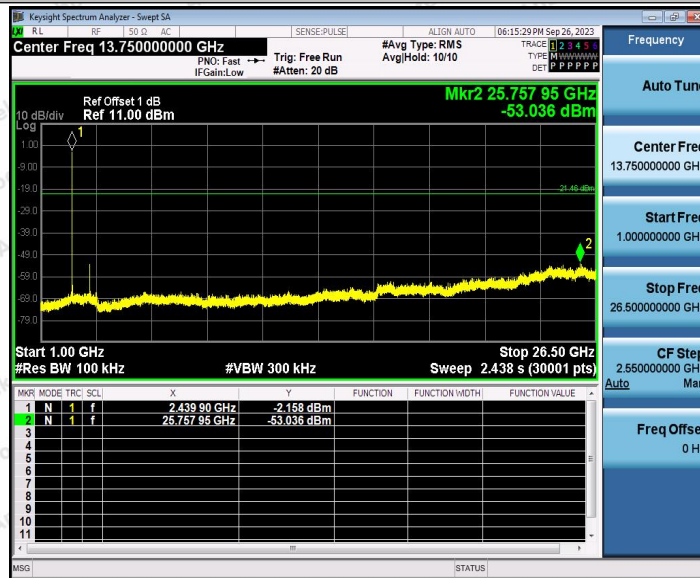


BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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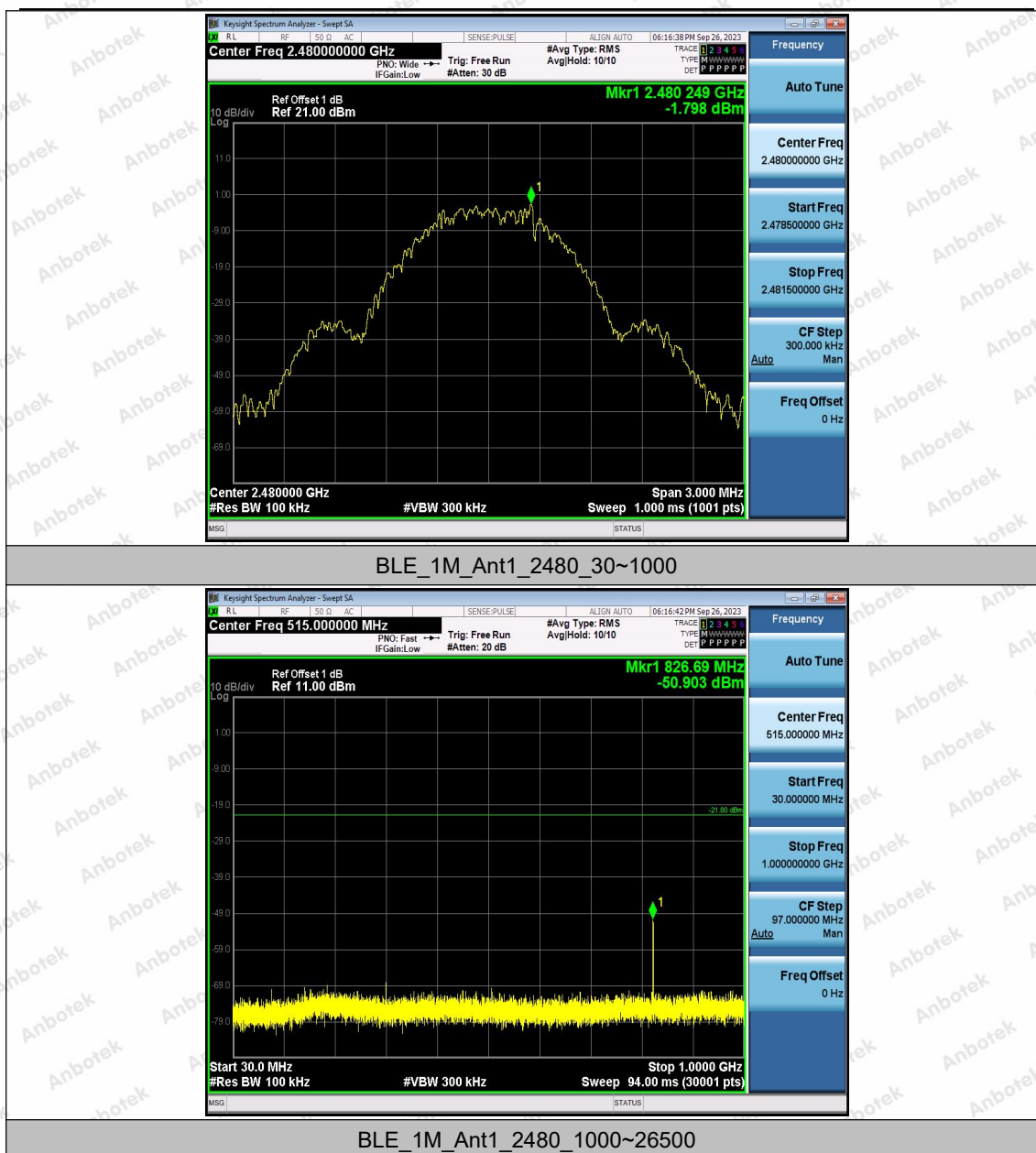


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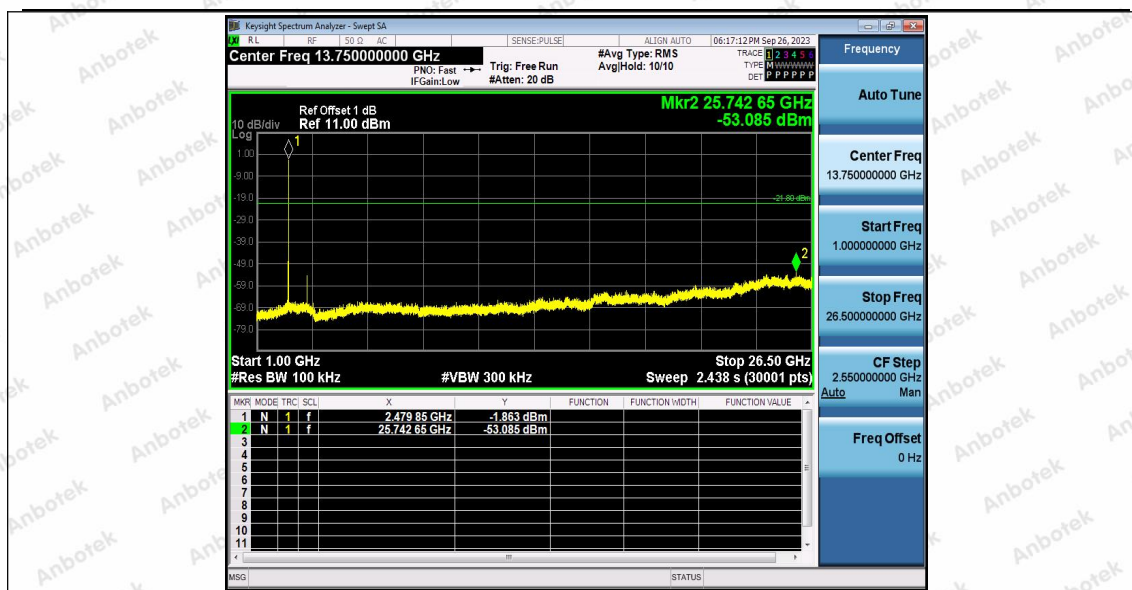
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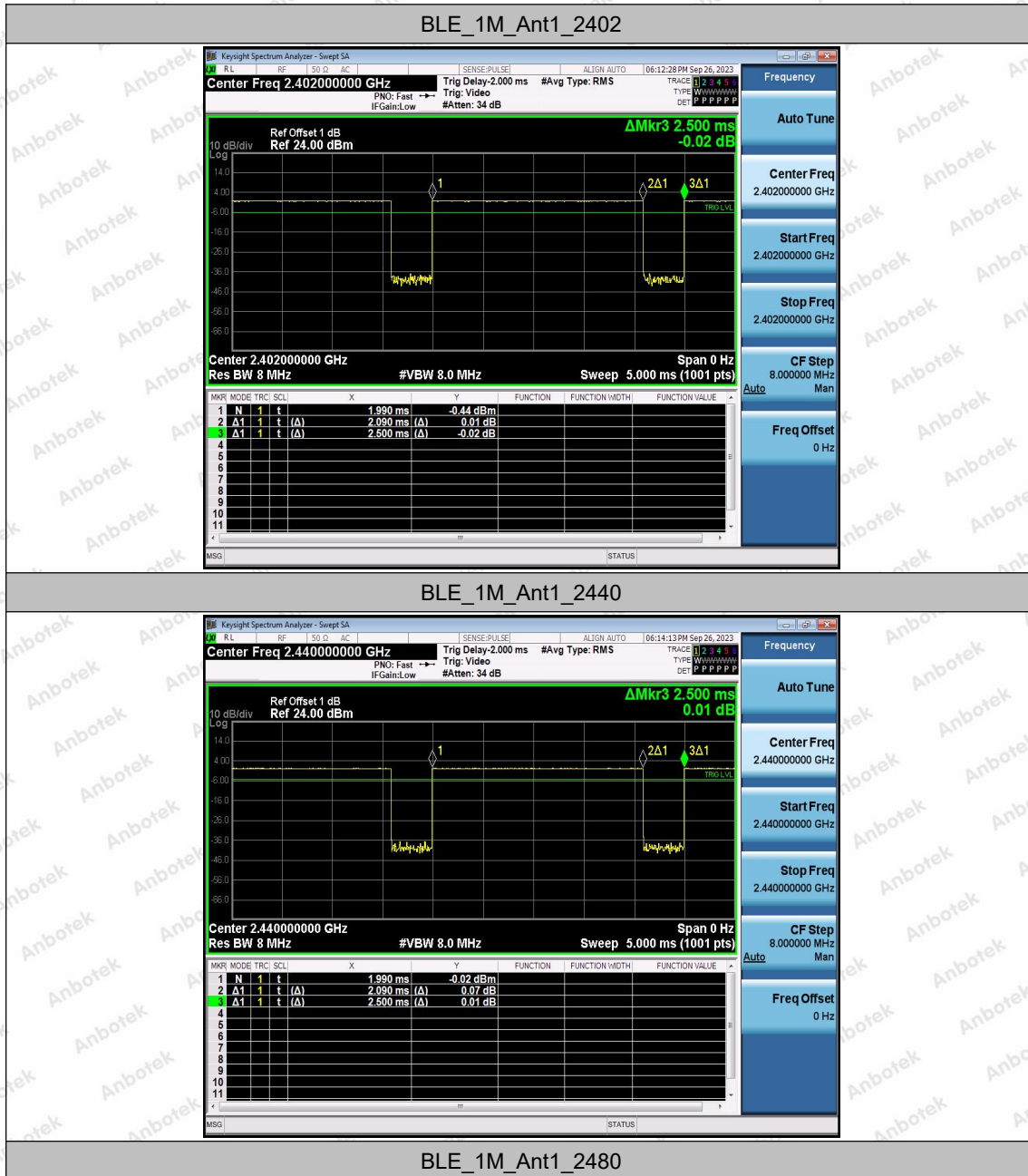
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.09	2.50	83.60	0.78
		2440	2.09	2.50	83.60	0.78
		2480	2.09	2.50	83.60	0.78



Test Graphs



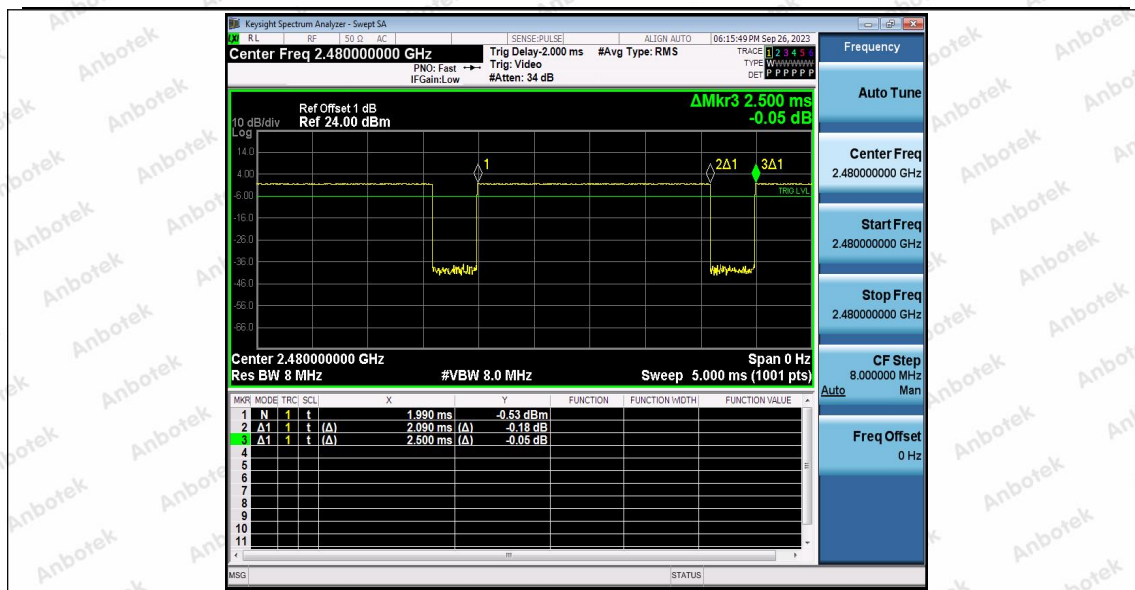
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