

Appendix Test Data

Report No.:	18220WC30195001	Test Sample No.:	1-2-2
Start Test Date:	2023.09.07	Finish Test Date:	2023.09.08
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.3°C	Relative Humidity:	48%
Pressure:	102kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.720	2401.652	2402.372	0.5	PASS
		2440	0.700	2439.672	2440.372	0.5	PASS
		2480	0.728	2479.660	2480.388	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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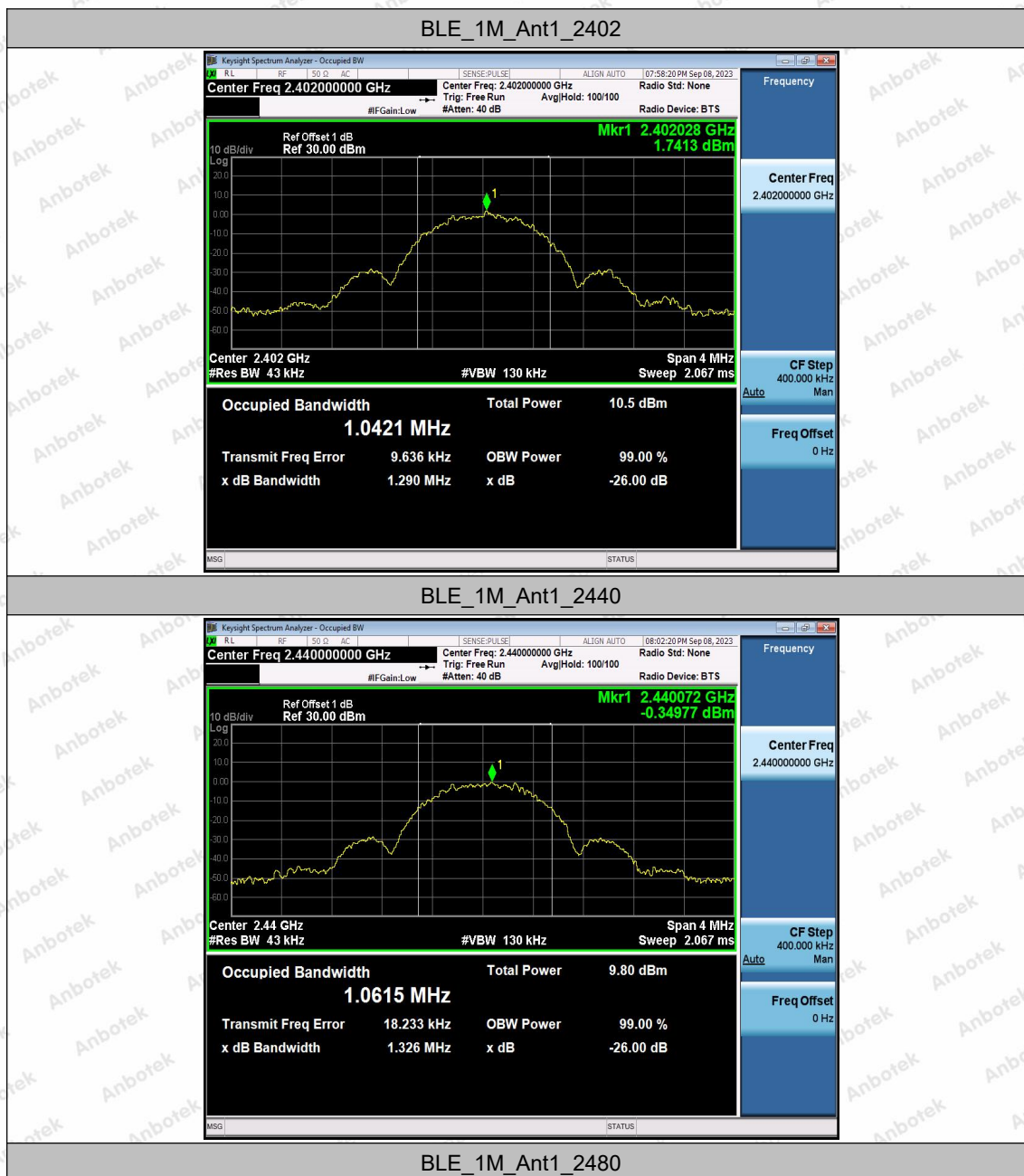
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0421	2401.4886	2402.5307
		2440	1.0615	2439.4875	2440.5490
		2480	1.0633	2479.4851	2480.5484



Test Graphs



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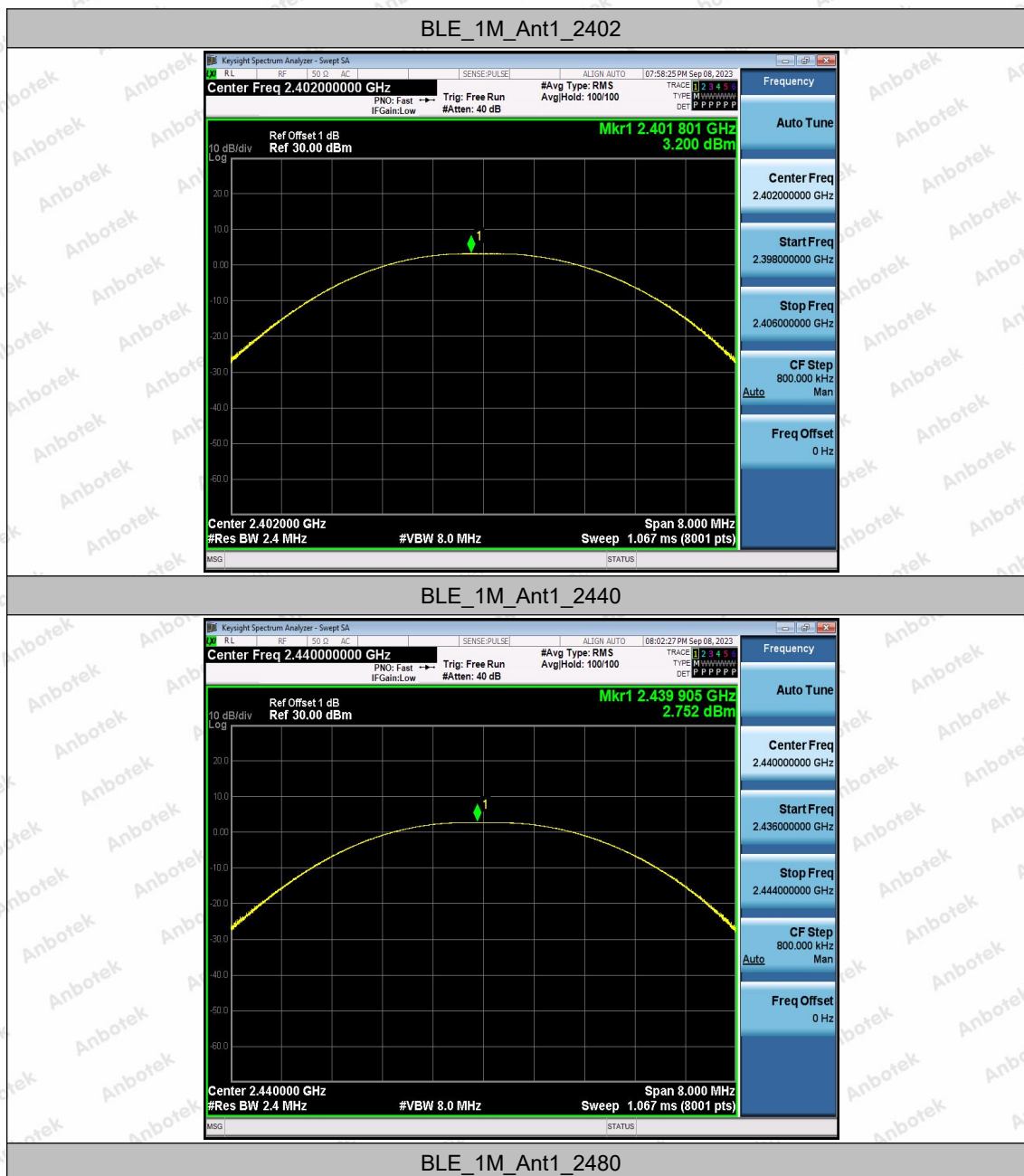
Appendix C: Maximum conducted output power

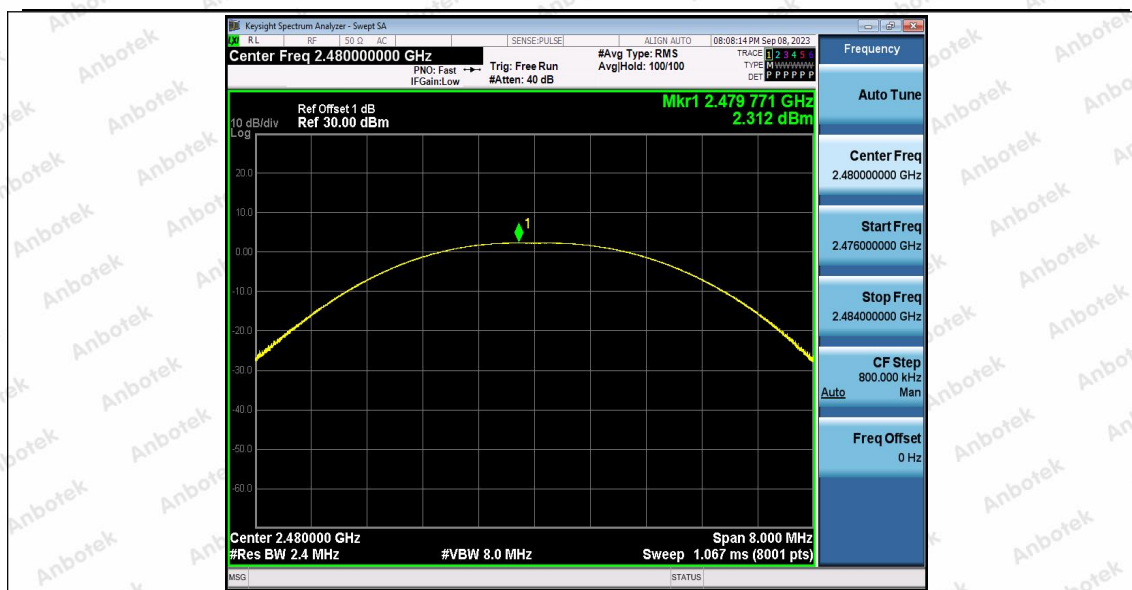
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.20	≤30	PASS
		2440	2.75	≤30	PASS
		2480	2.31	≤30	PASS



Test Graphs Peak



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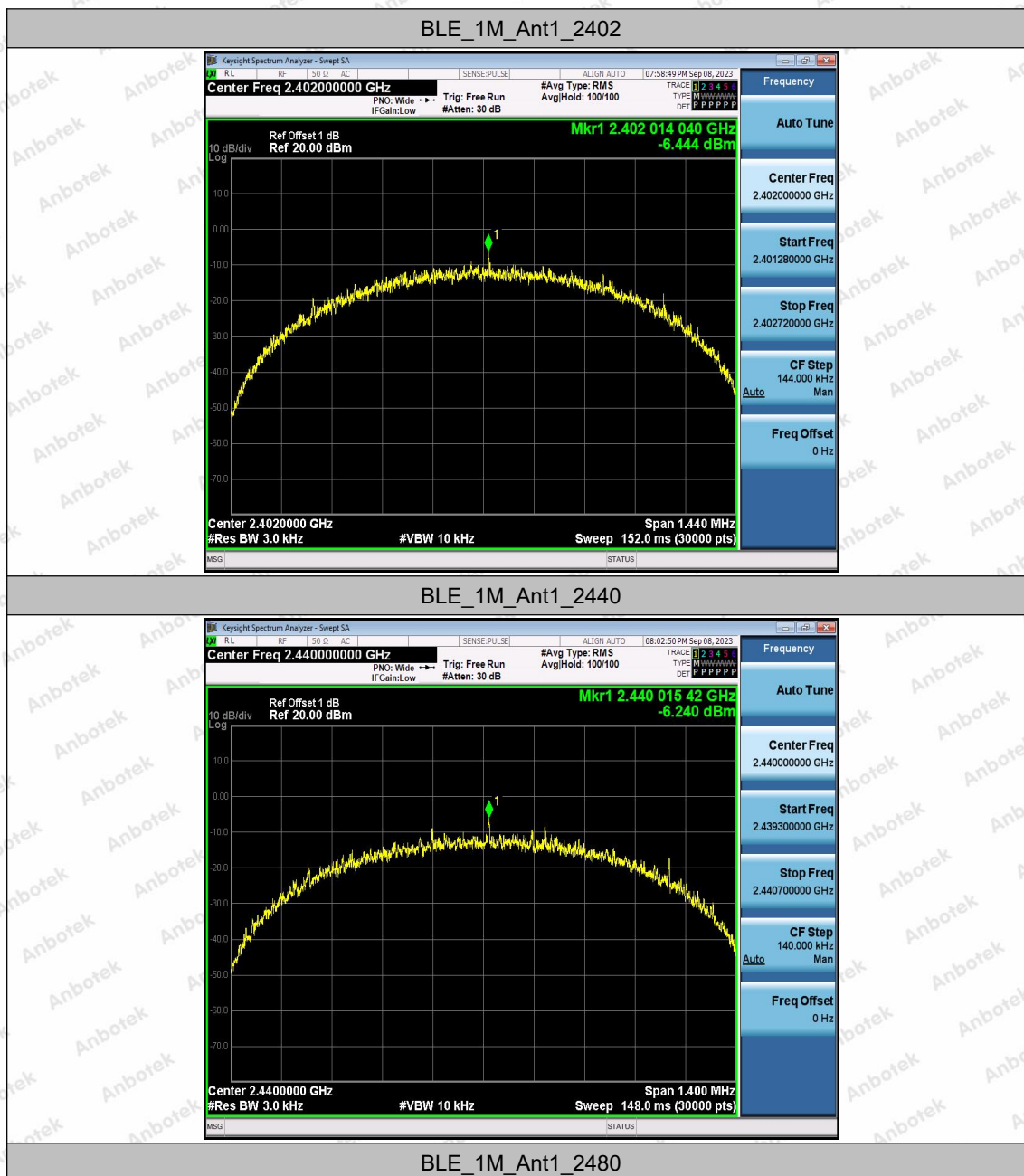
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-6.44	≤8.00	PASS
		2440	-6.24	≤8.00	PASS
		2480	-6.53	≤8.00	PASS



Test Graphs



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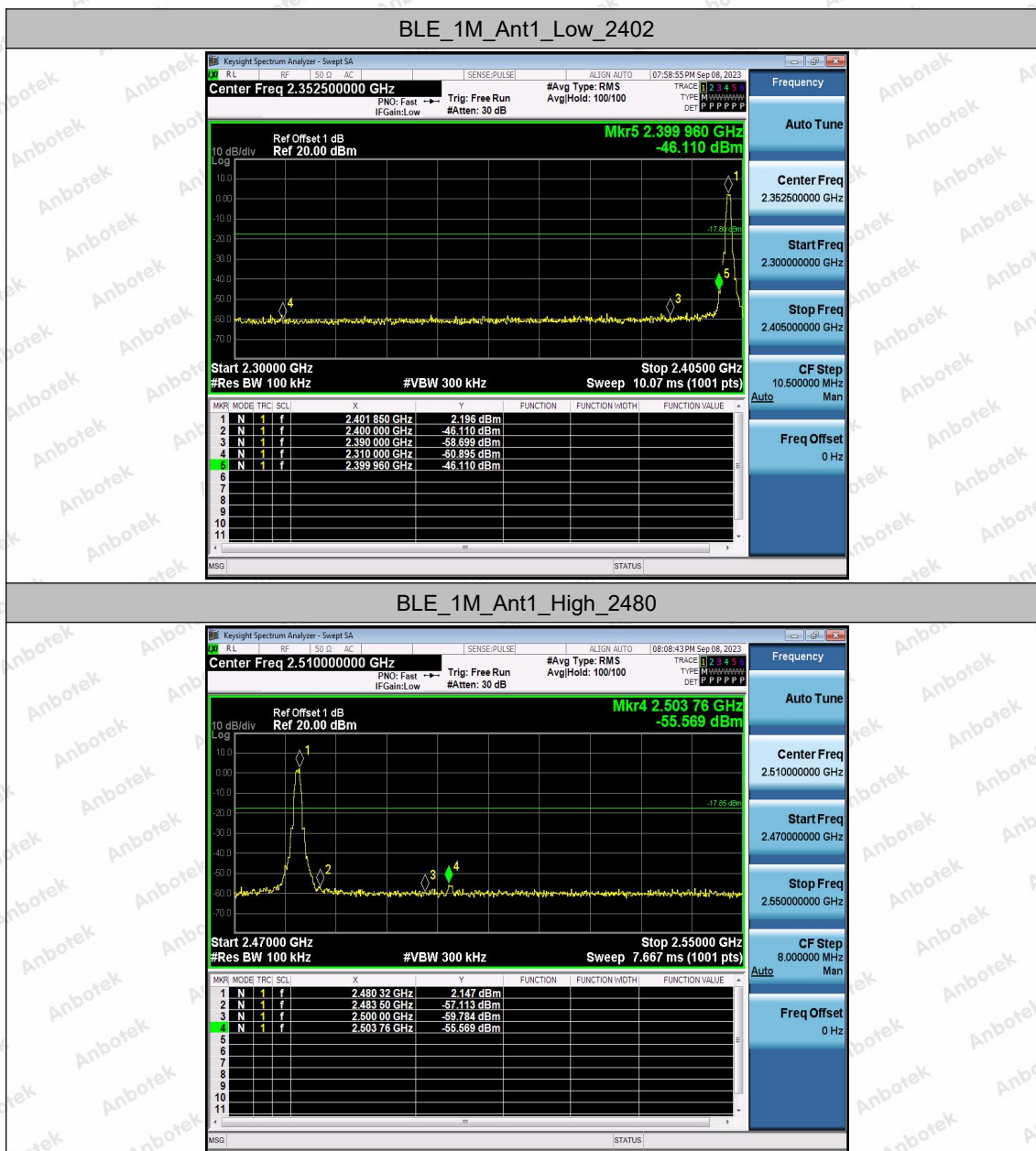
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.20	-46.11	≤-17.8	PASS
		High	2480	2.15	-55.57	≤-17.85	PASS



Test Graphs



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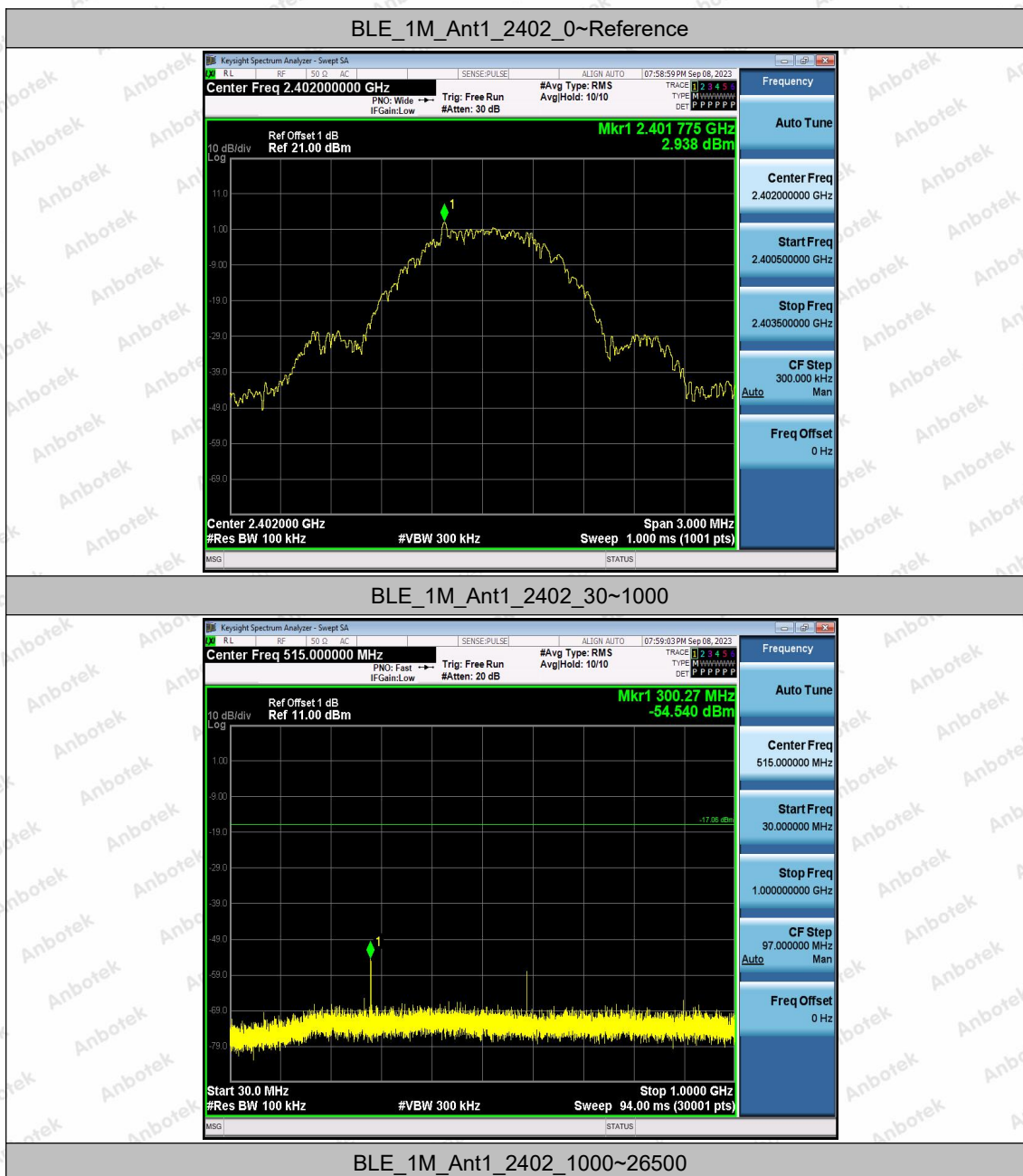
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.94	2.94	---	PASS
			30~1000	2.94	-54.54	≤-17.06	PASS
			1000~26500	2.94	-53.33	≤-17.06	PASS
		2440	Reference	1.77	1.77	---	PASS
			30~1000	1.77	-54.58	≤-18.23	PASS
			1000~26500	1.77	-53.54	≤-18.23	PASS
		2480	Reference	0.30	0.30	---	PASS
			30~1000	0.30	-54.45	≤-19.7	PASS
			1000~26500	0.30	-51.81	≤-19.7	PASS
			Reference				
			30~1000				
			1000~26500				



Test Graphs



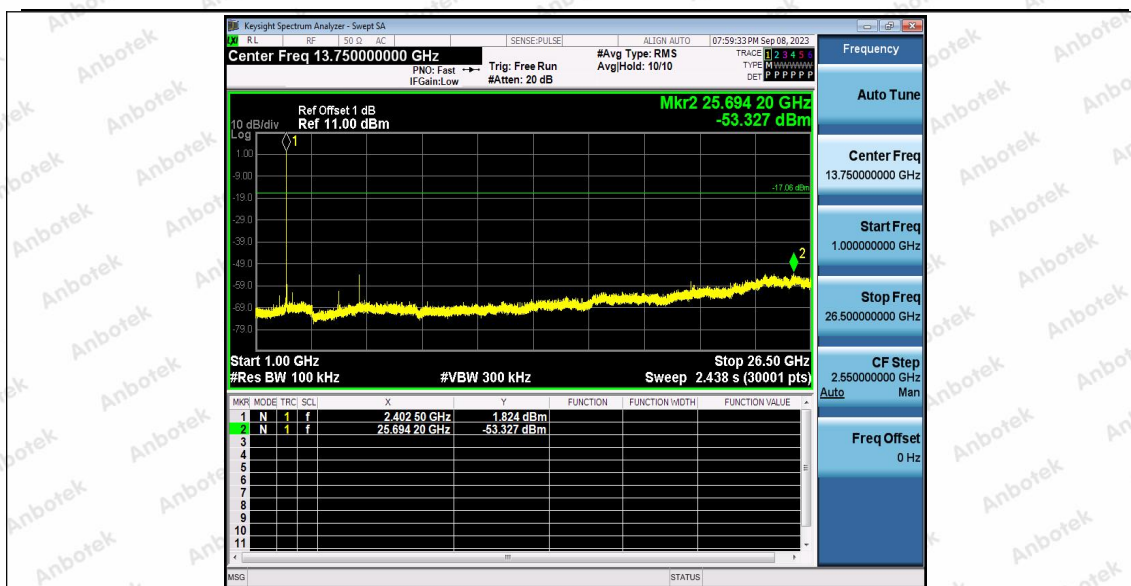
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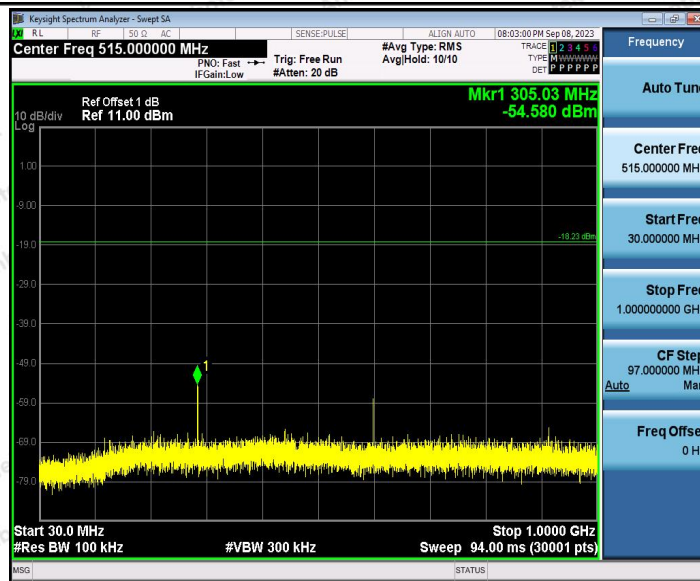


BLE_1M_Ant1_2440_0~Reference

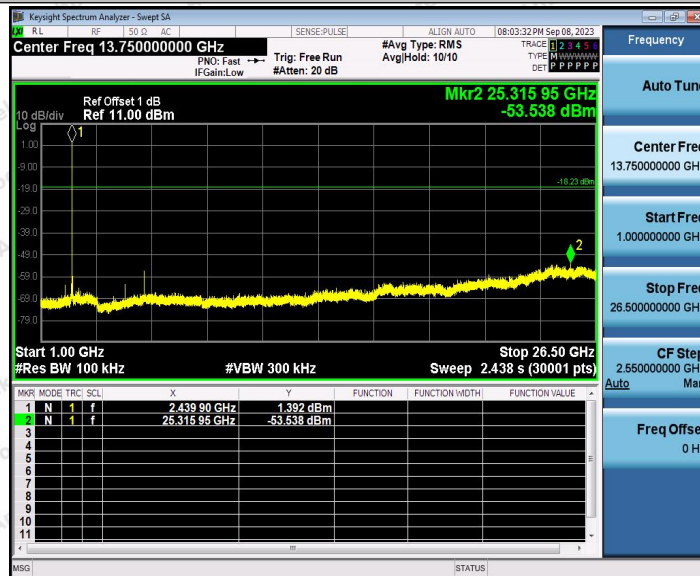


BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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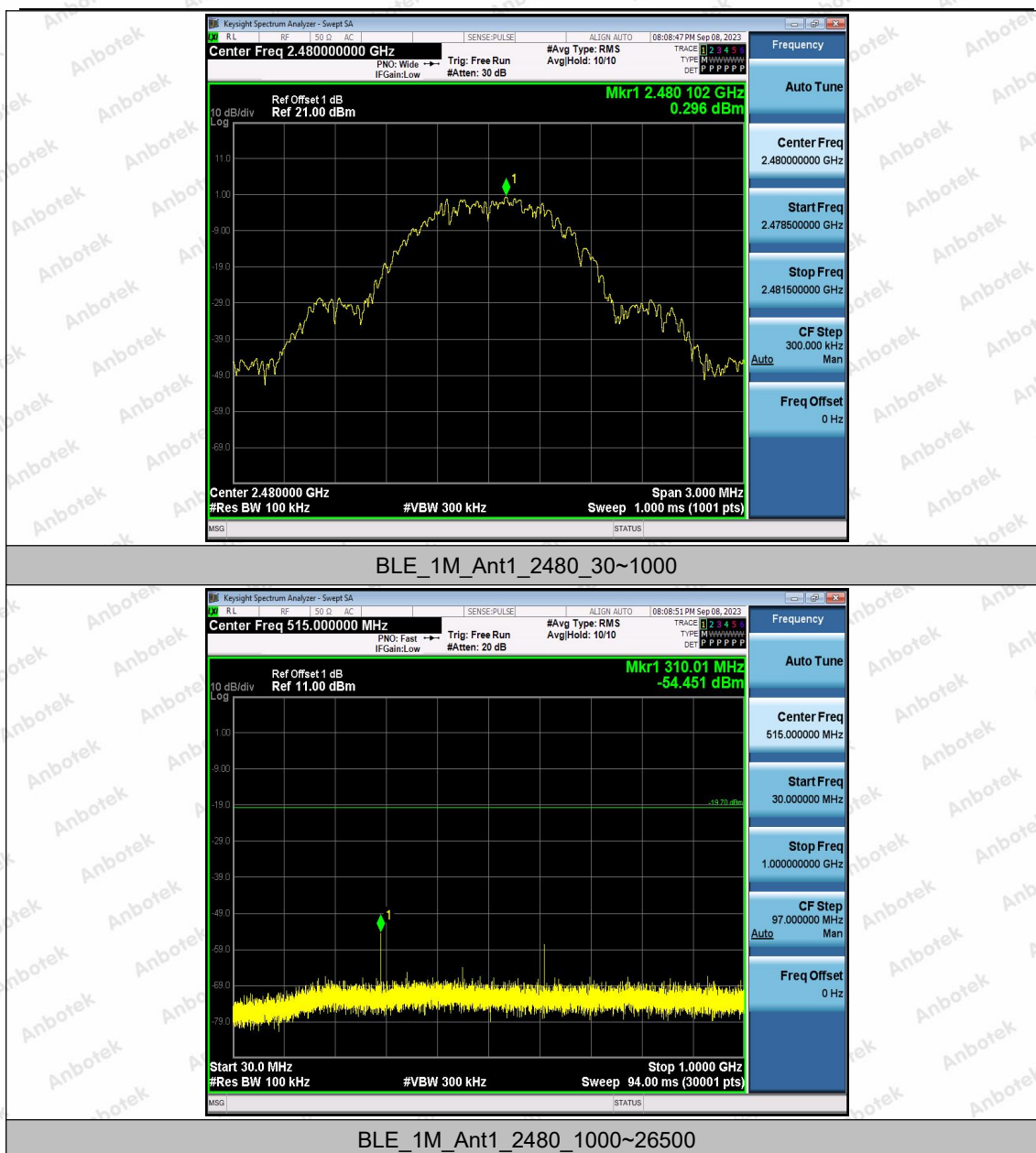


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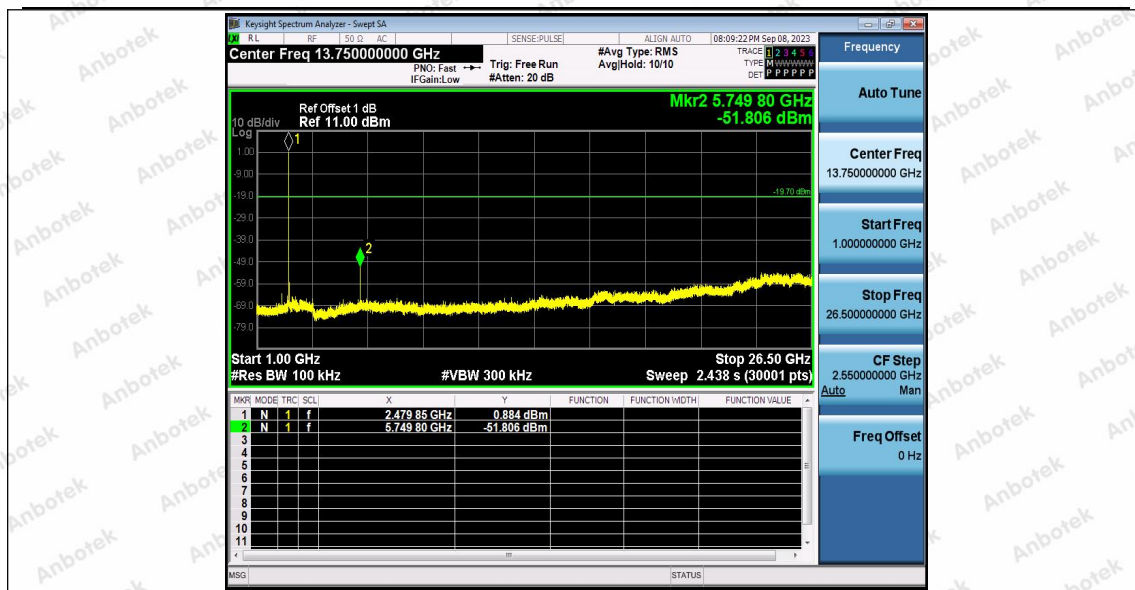
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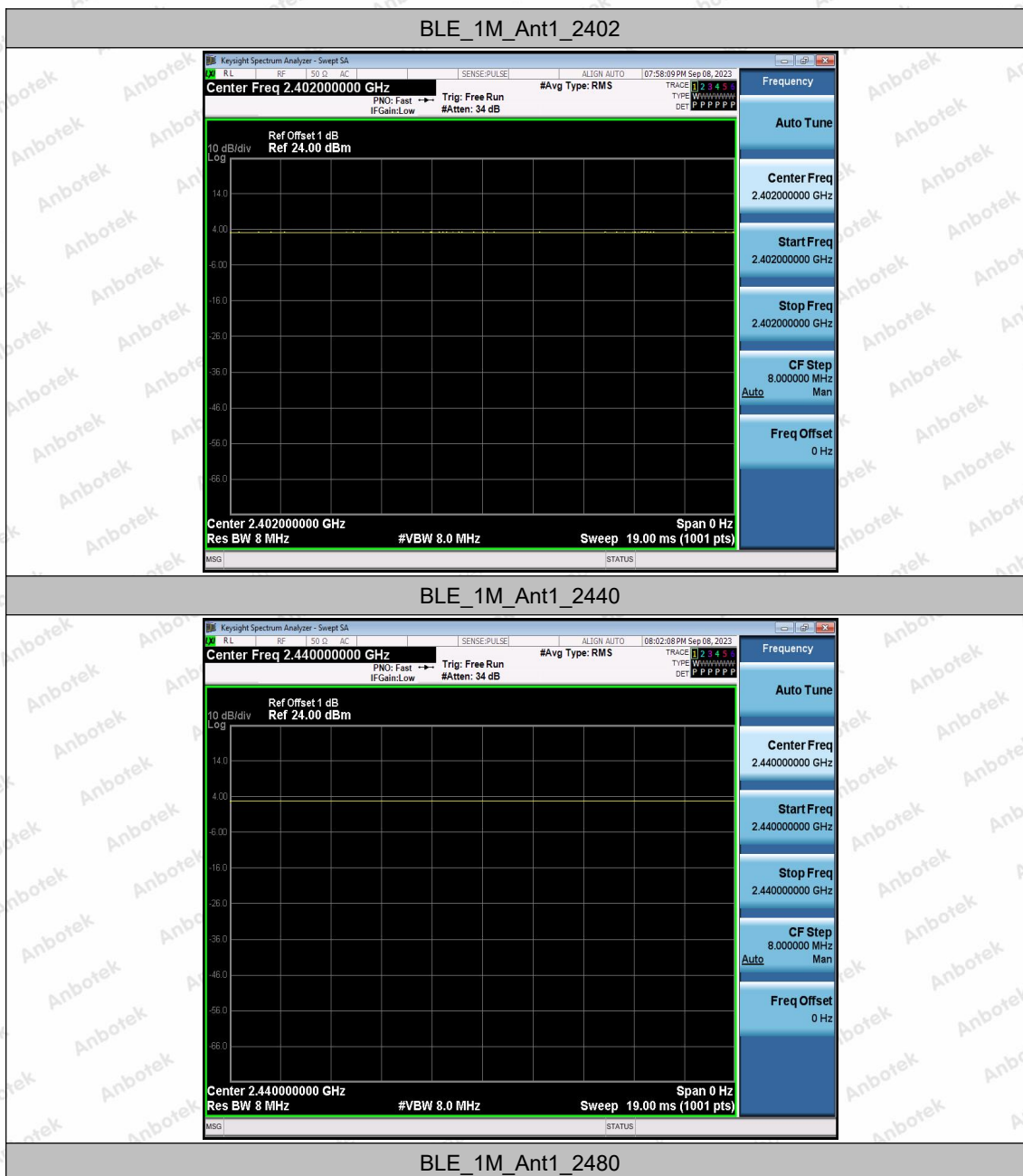
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	19.00	19.00	100	0.00
		2440	19.00	19.00	100	0.00
		2480	19.00	19.00	100	0.00



Test Graphs



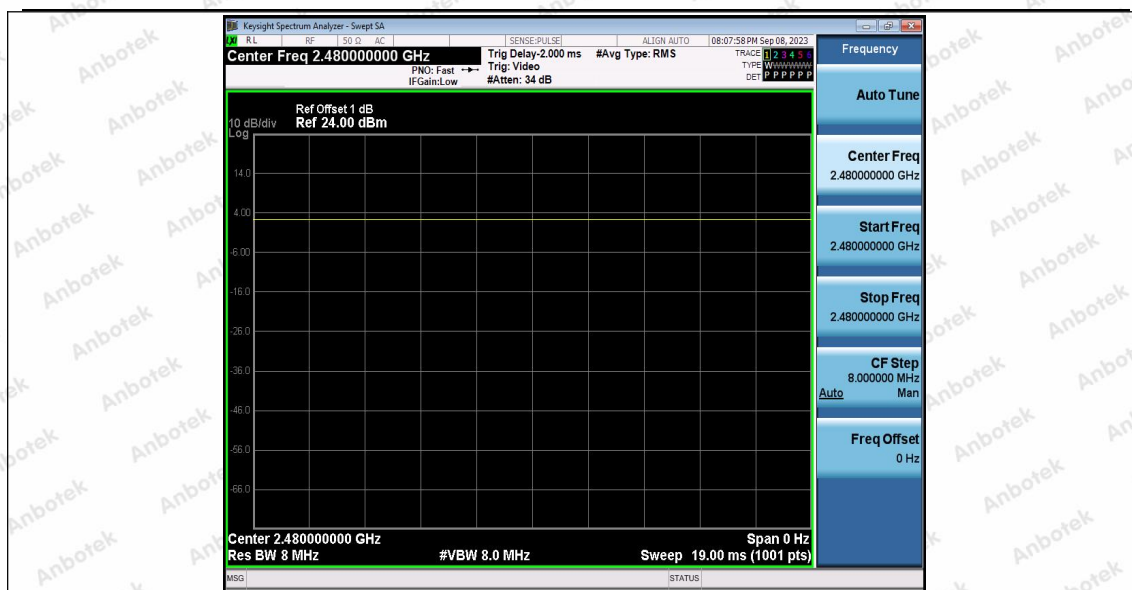
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