

Appendix Test Data

Report No.:	18220WC30071801	Test Sample No.:	1-2-2
Start Test Date:	2023.04.25	Finish Test Date:	2023.04.25
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	27.0°C	Relative Humidity:	46%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.660	2401.628	2402.288	0.5	PASS
		2440	0.644	2439.636	2440.280	0.5	PASS
		2480	0.640	2479.636	2480.276	0.5	PASS

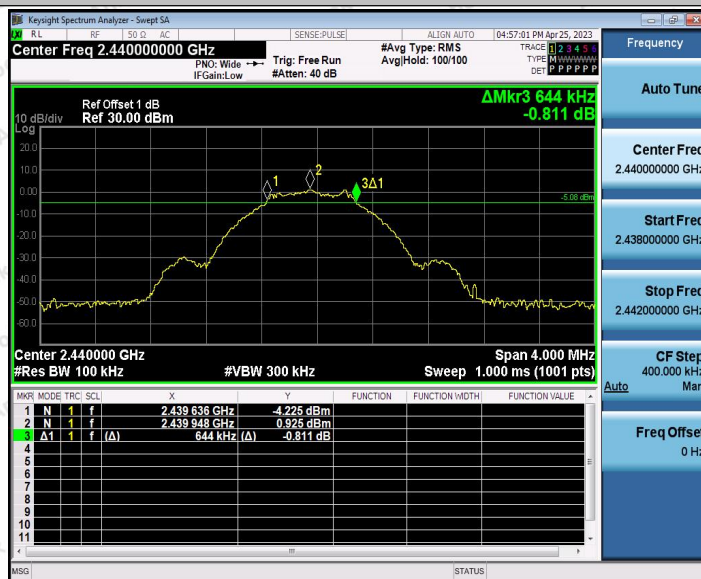


Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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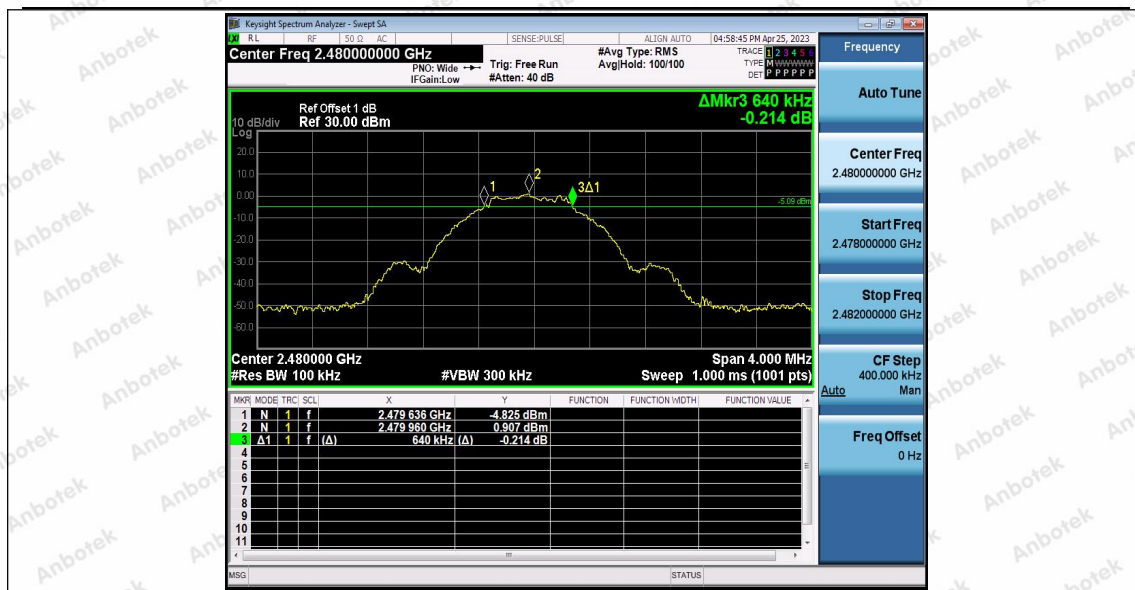


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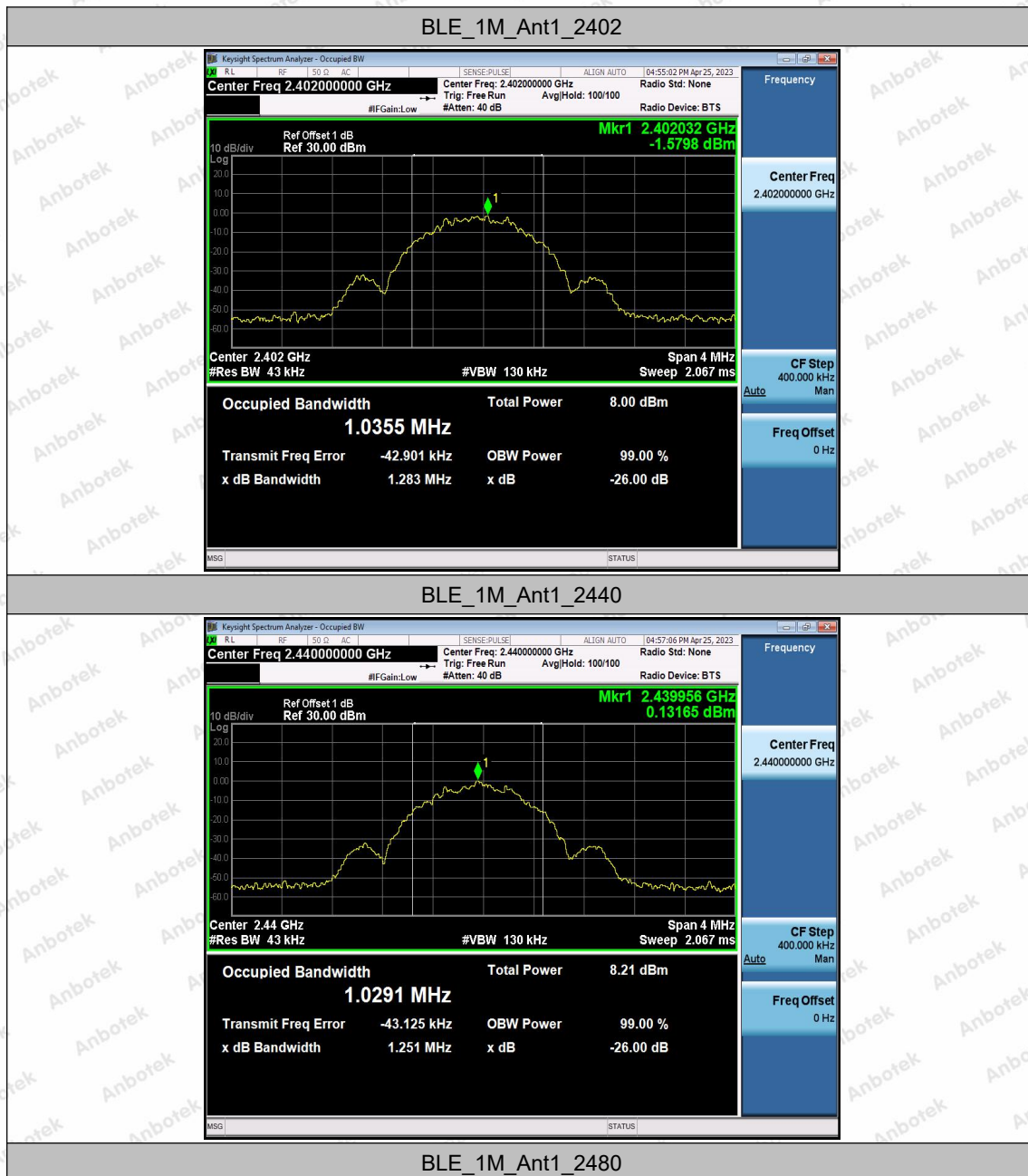
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0355	2401.4394	2402.4749
		2440	1.0291	2439.4423	2440.4714
		2480	1.0209	2479.4437	2480.4646



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	2.23	≤30	PASS
		2440	2.14	≤30	PASS
		2480	2.27	≤30	PASS

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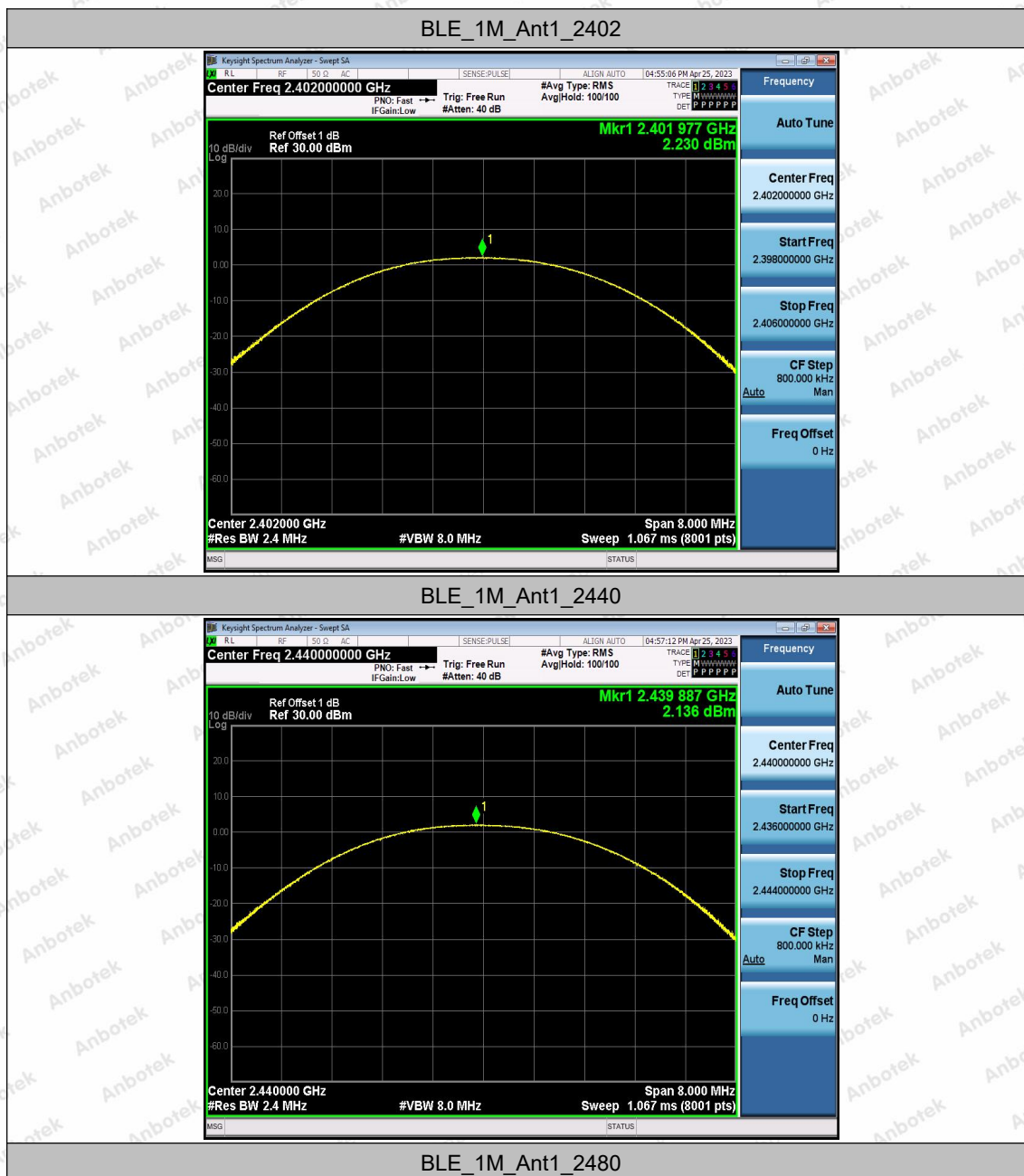
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Test Graphs Peak



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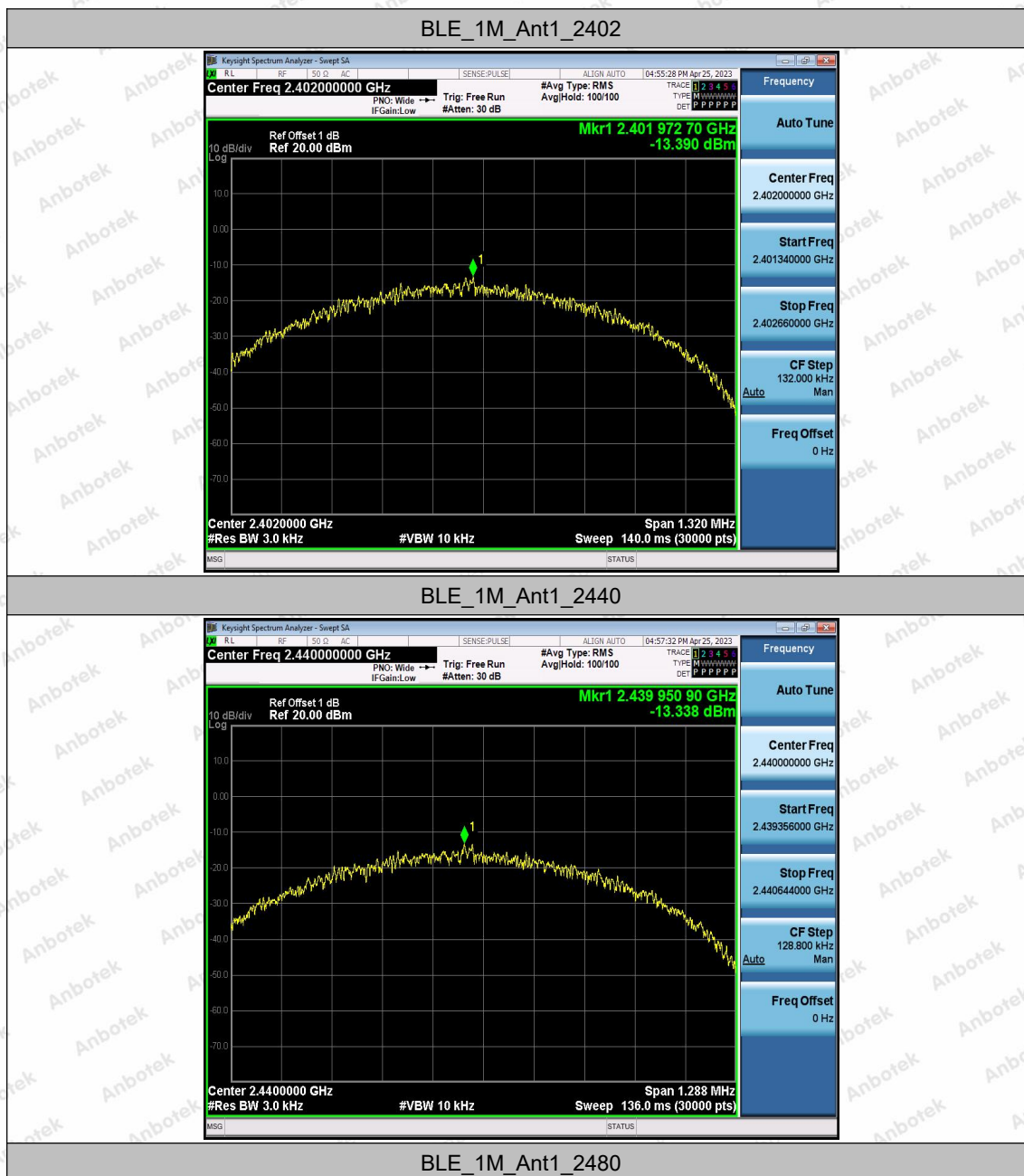
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.39	≤8.00	PASS
		2440	-13.34	≤8.00	PASS
		2480	-13.03	≤8.00	PASS



Test Graphs



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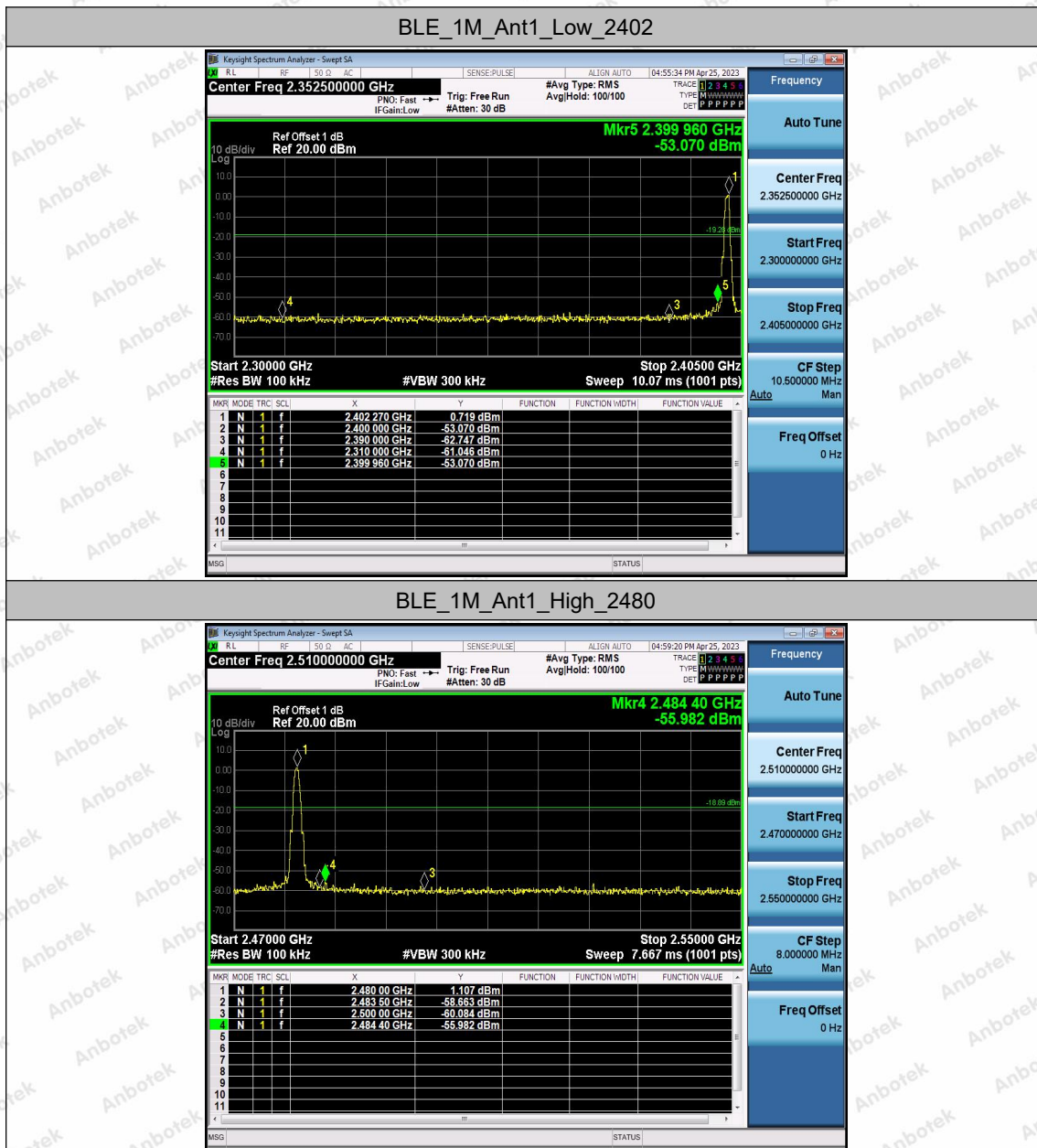
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.72	-53.07	≤-19.28	PASS
		High	2480	1.11	-55.98	≤-18.89	PASS



Test Graphs



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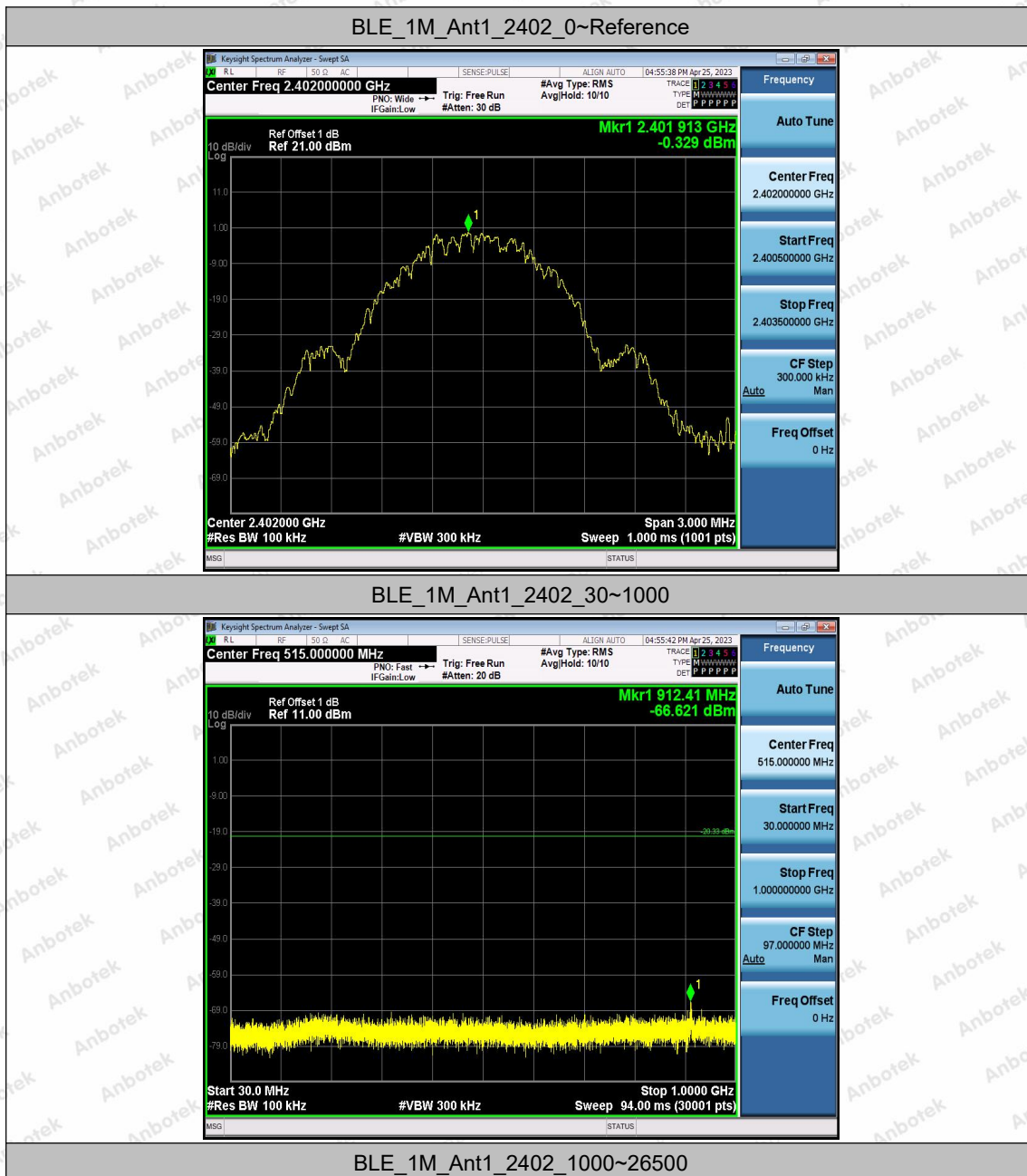
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.33	-0.33	---	PASS
			30~1000	-0.33	-66.62	≤-20.33	PASS
			1000~26500	-0.33	-53.76	≤-20.33	PASS
		2440	Reference	0.19	0.19	---	PASS
			30~1000	0.19	-67.2	≤-19.81	PASS
			1000~26500	0.19	-53.4	≤-19.81	PASS
		2480	Reference	0.39	0.39	---	PASS
			30~1000	0.39	-65.98	≤-19.61	PASS
			1000~26500	0.39	-53.2	≤-19.61	PASS



Test Graphs



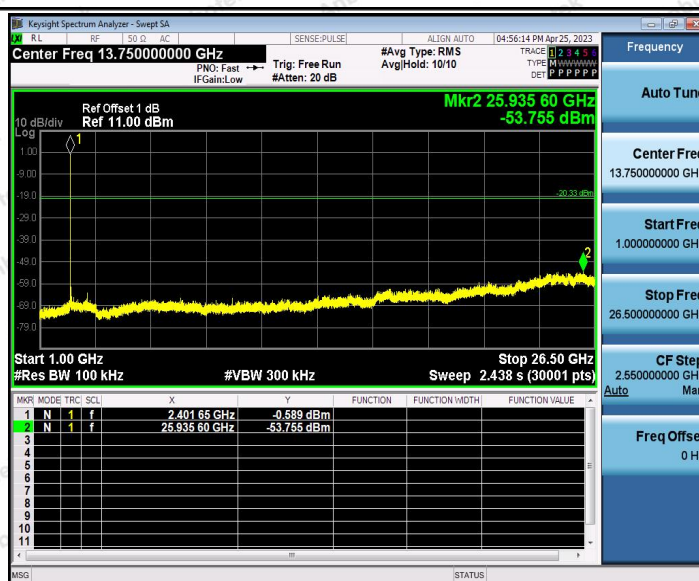
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BLE 1M Ant1 2440 0~Reference



BLE	1M	Ant1	2440	30~1000
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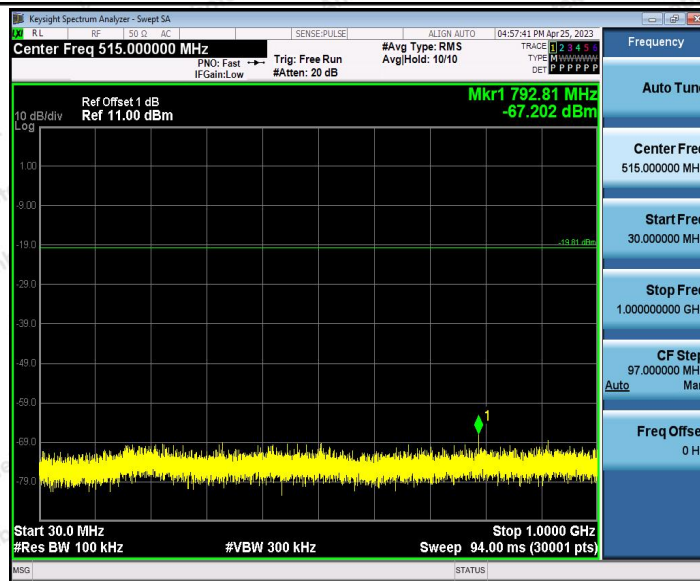
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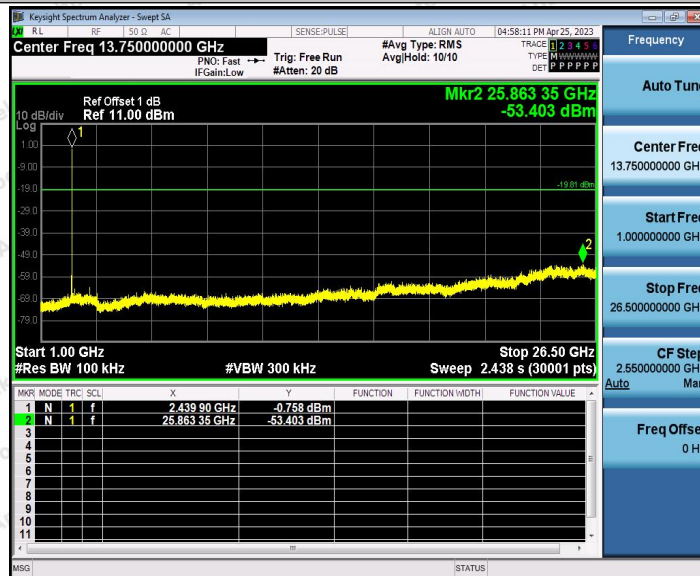


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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

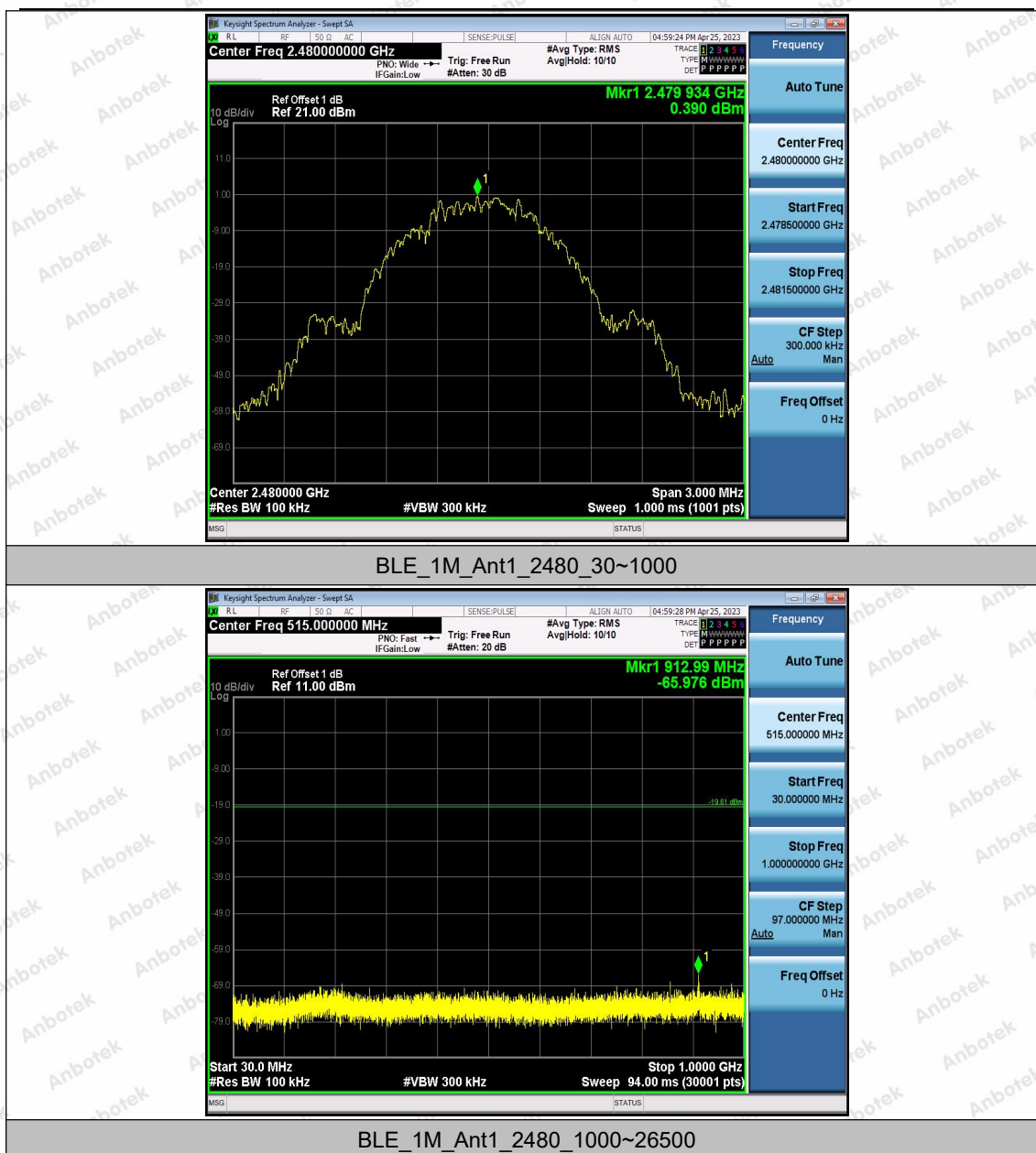
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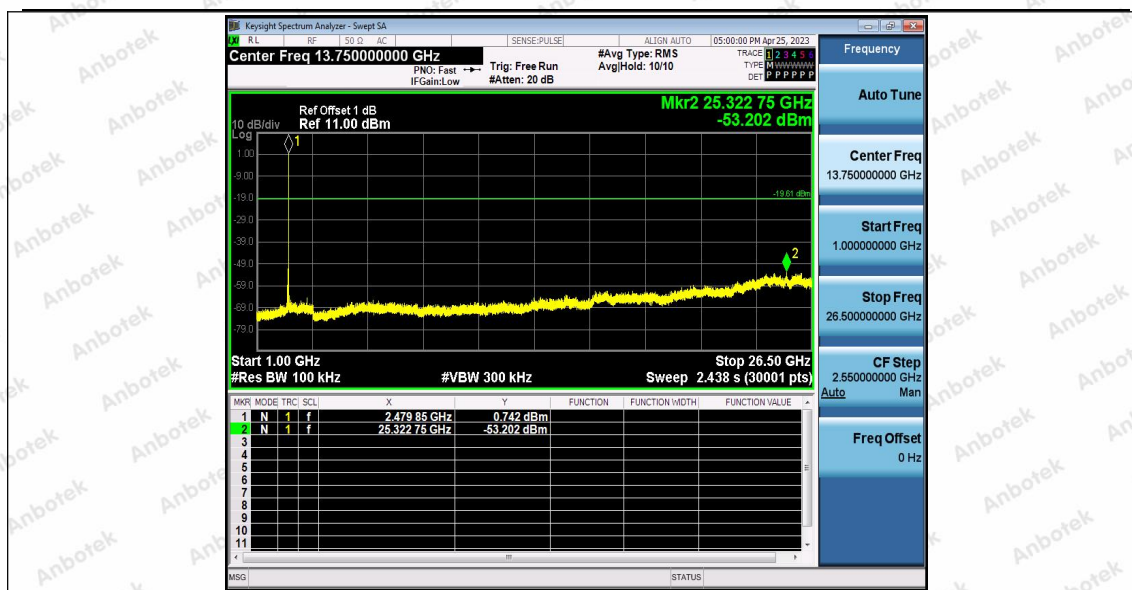
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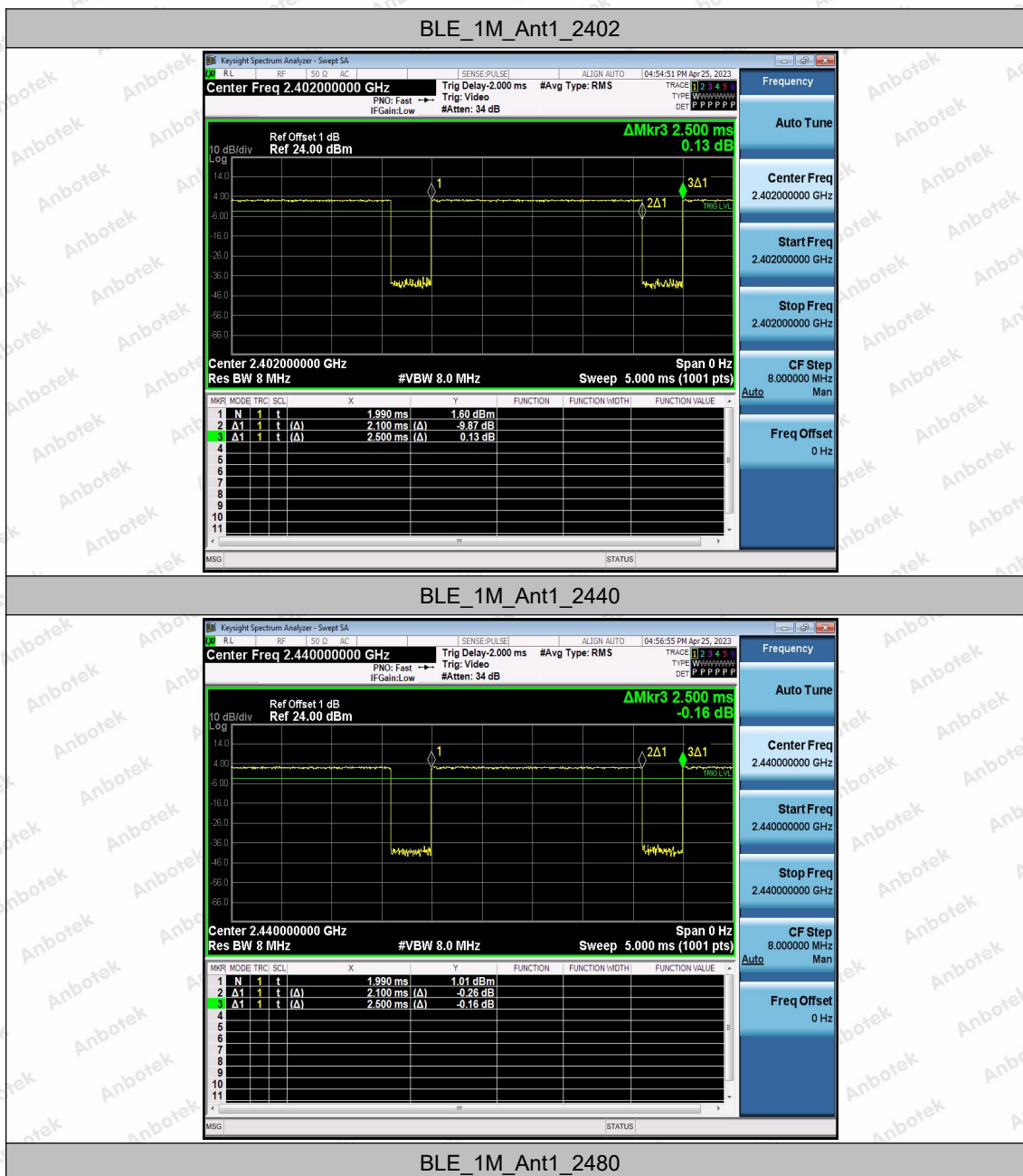
Appendix G: Duty Cycle

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



Test Graphs



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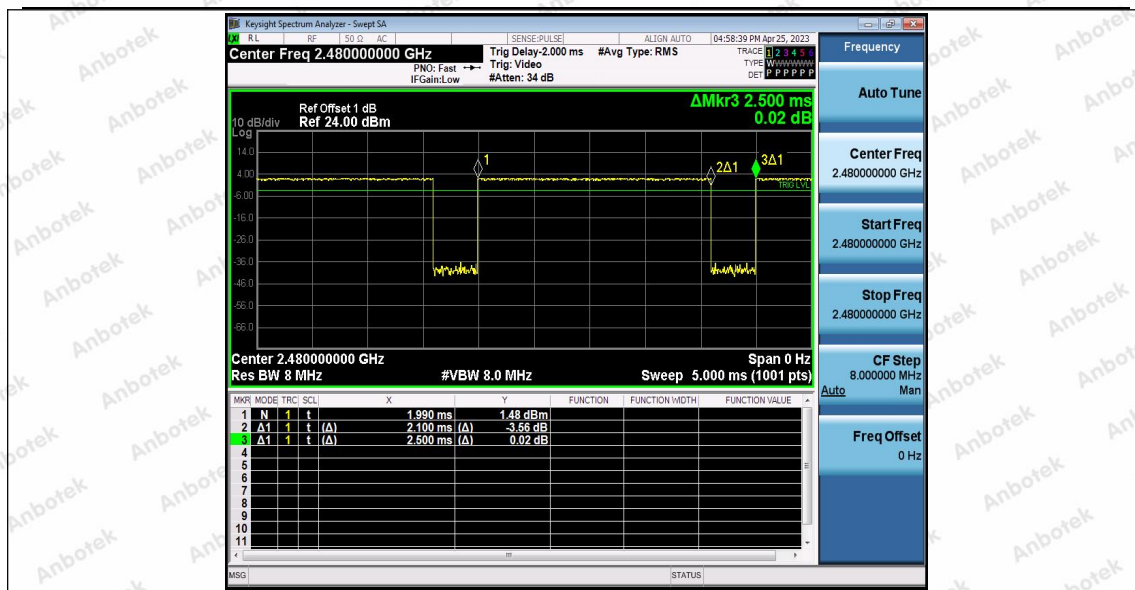


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