

Appendix Test Data

Report No.:	18360WC30007901	Test Sample No.:	1-2-2
Start Test Date:	2023.05.26	Finish Test Date:	2023.05.27
Test Engineer:	RICK Luo	Auditor:	Edward Pan
Temperature:	24.3°C	Relative Humidity:	57 %
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	0.644	2401.640	2402.284	0.5	PASS
		2440	0.668	2439.624	2440.292	0.5	PASS
		2480	0.632	2479.640	2480.272	0.5	PASS



Test Graphs



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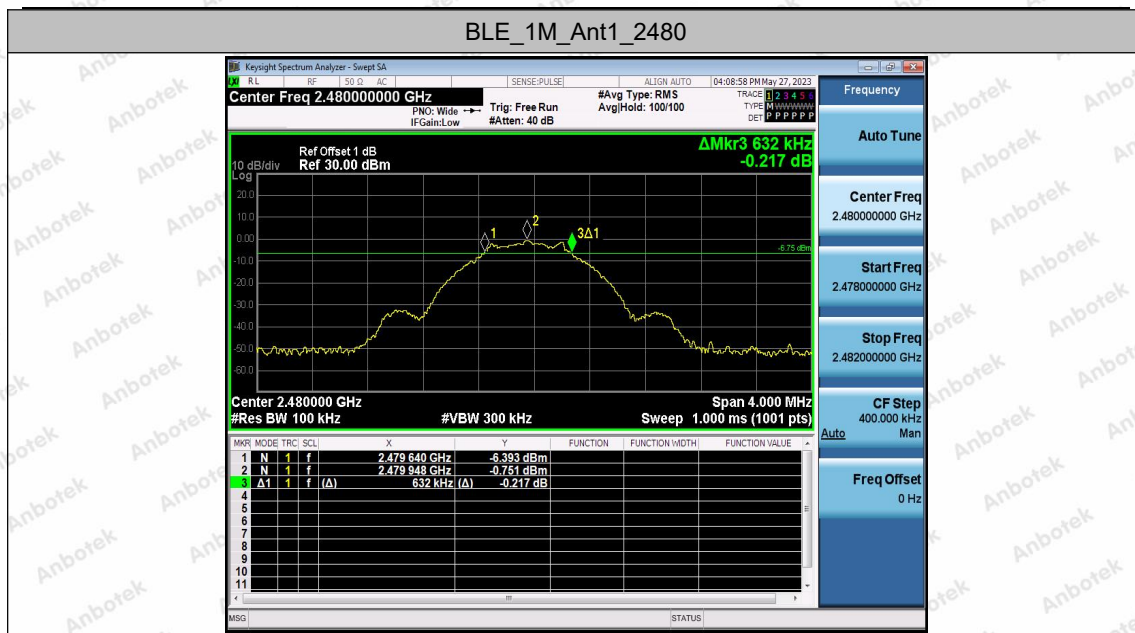


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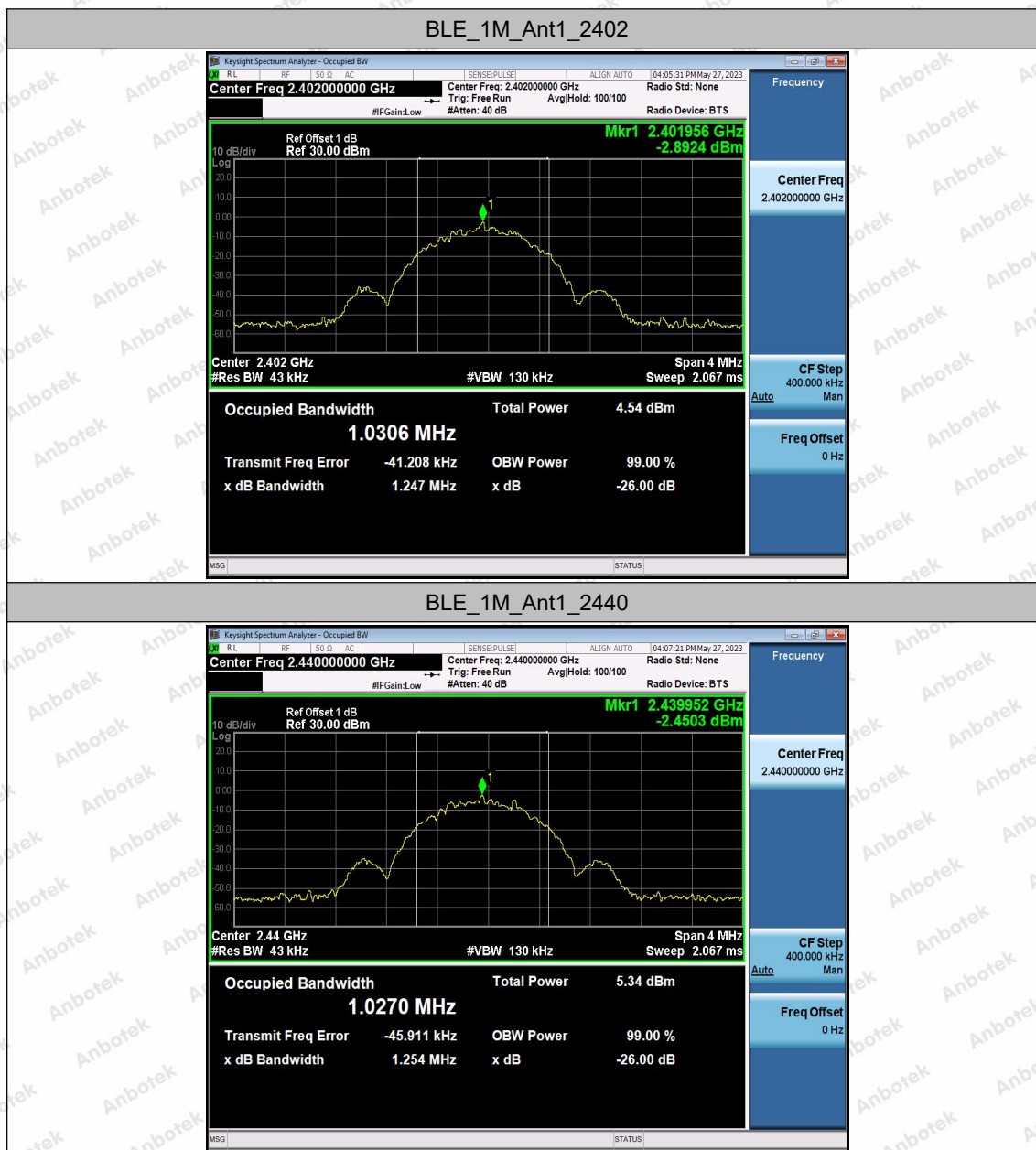
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0306	2401.4435	2402.4741
		2440	1.0270	2439.4406	2440.4676
		2480	1.0164	2479.4471	2480.4635



Test Graphs



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Appendix C: Maximum output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.5	≤30	PASS
		2440	-0.7	≤30	PASS
		2480	-0.1	≤30	PASS

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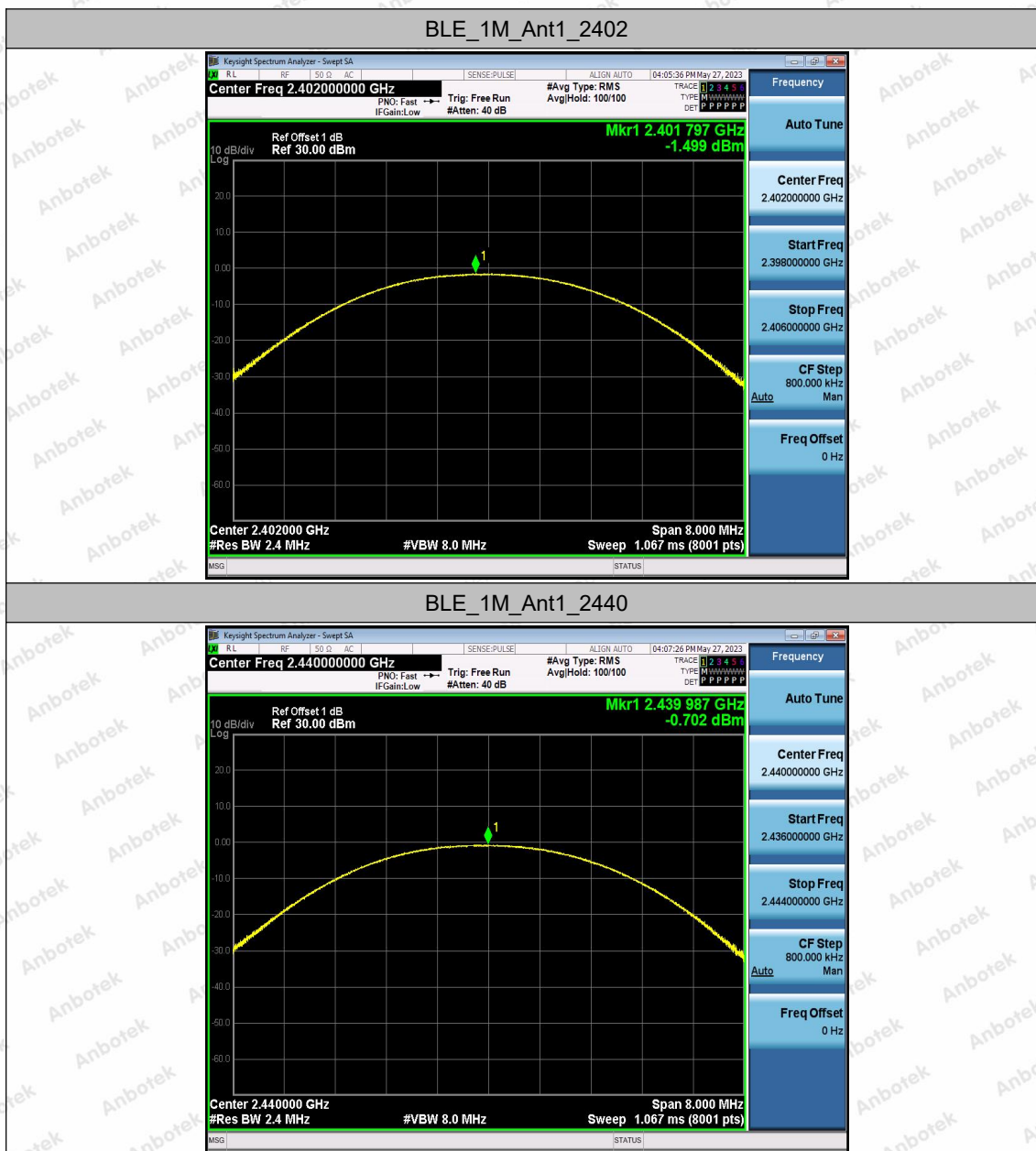
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Test Graphs Peak



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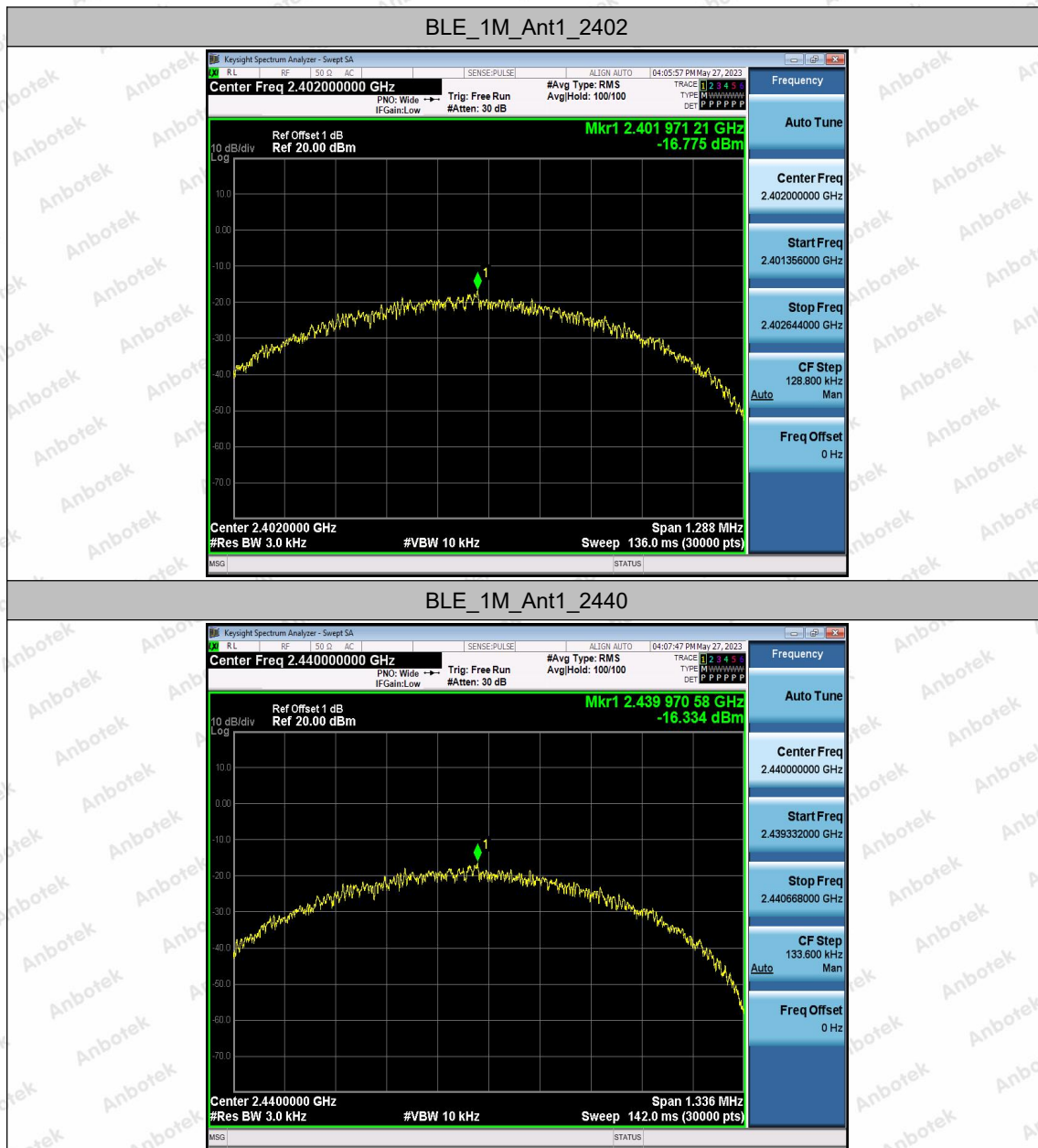
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.78	≤8.00	PASS
		2440	-16.33	≤8.00	PASS
		2480	-15.47	≤8.00	PASS



Test Graphs



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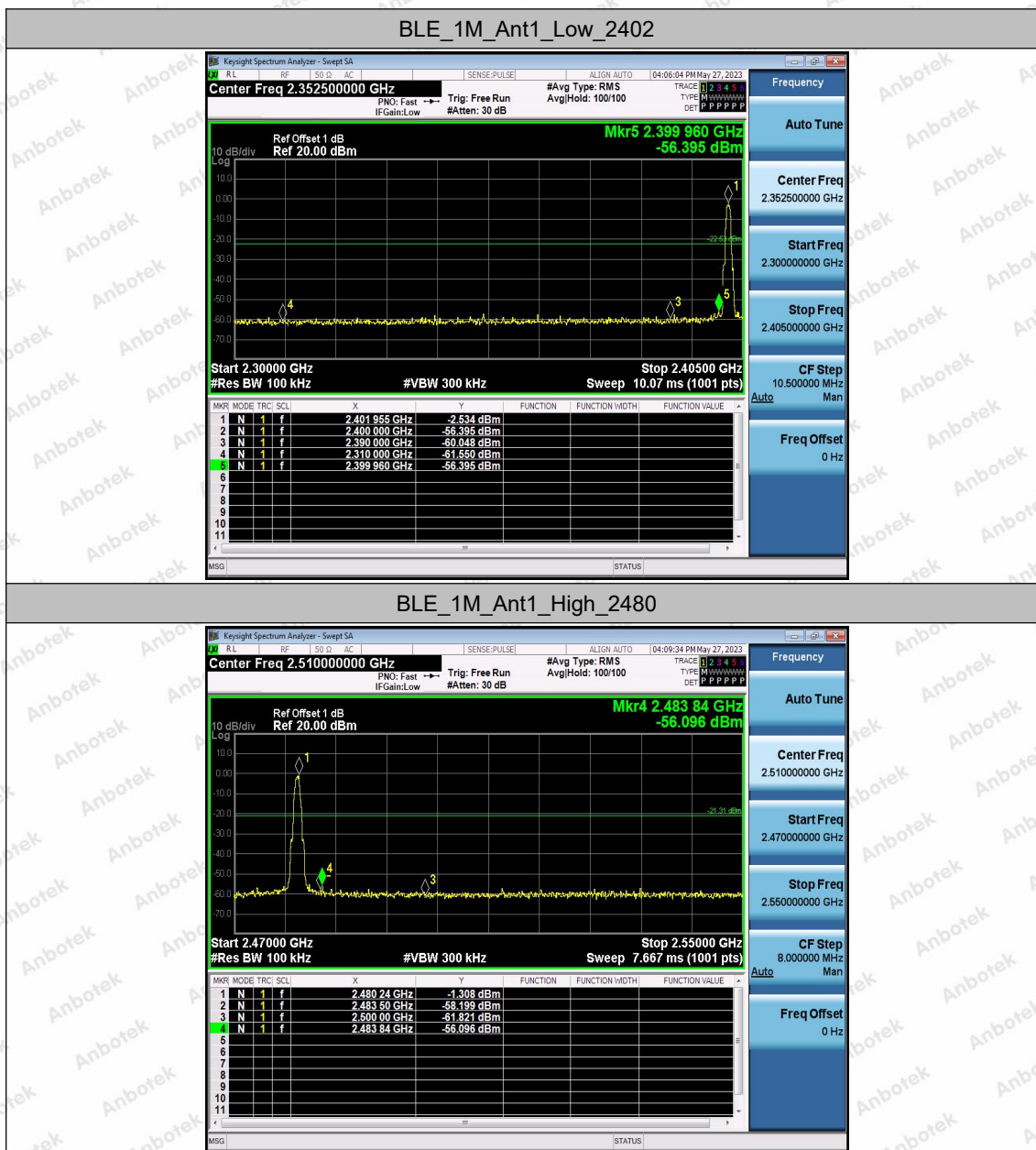
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.53	-56.4	≤-22.53	PASS
		High	2480	-1.31	-56.1	≤-21.31	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	-3.41	-3.41	---	PASS
			30~1000	-3.41	-69.9	≤-23.41	PASS
			1000~26500	-3.41	-53.2	≤-23.41	PASS
		2440	Reference	-2.68	-2.68	---	PASS
			30~1000	-2.68	-69.82	≤-22.68	PASS
			1000~26500	-2.68	-53.41	≤-22.68	PASS
		2480	Reference	-2.36	-2.36	---	PASS
			30~1000	-2.36	-67.51	≤-22.36	PASS
			1000~26500	-2.36	-52.88	≤-22.36	PASS



Test Graphs



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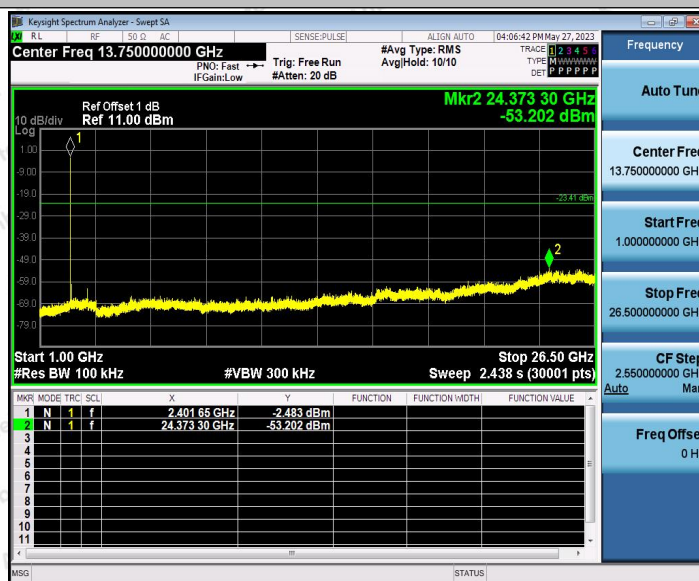
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BLE_1M_Ant1_2402_1000~26500



BLE_1M_Ant1_2440_0~Reference



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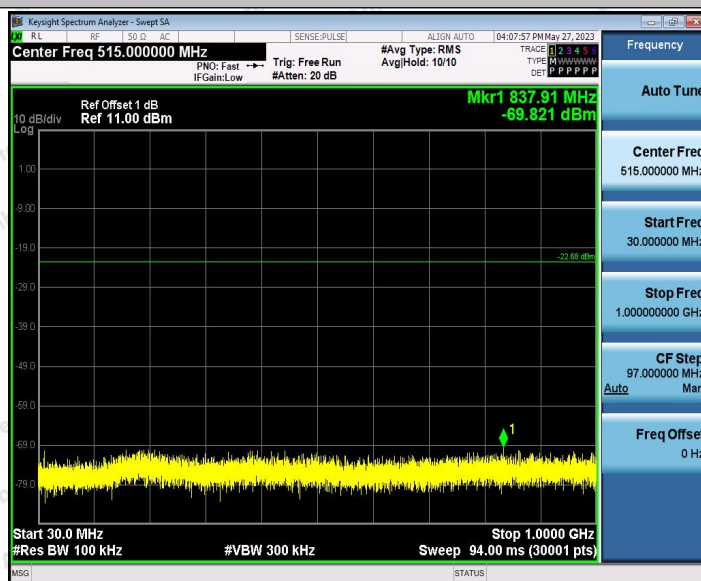
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BLE_1M_Ant1_2440_30~1000



BLE_1M_Ant1_2440_1000~26500



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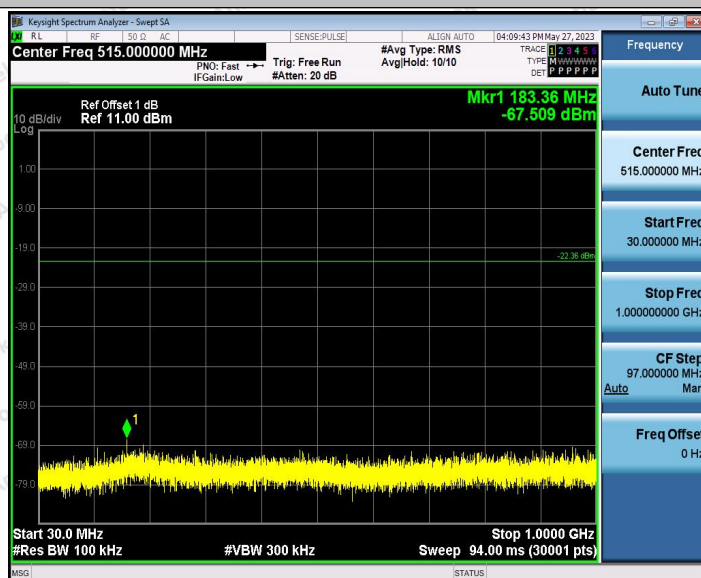
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BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



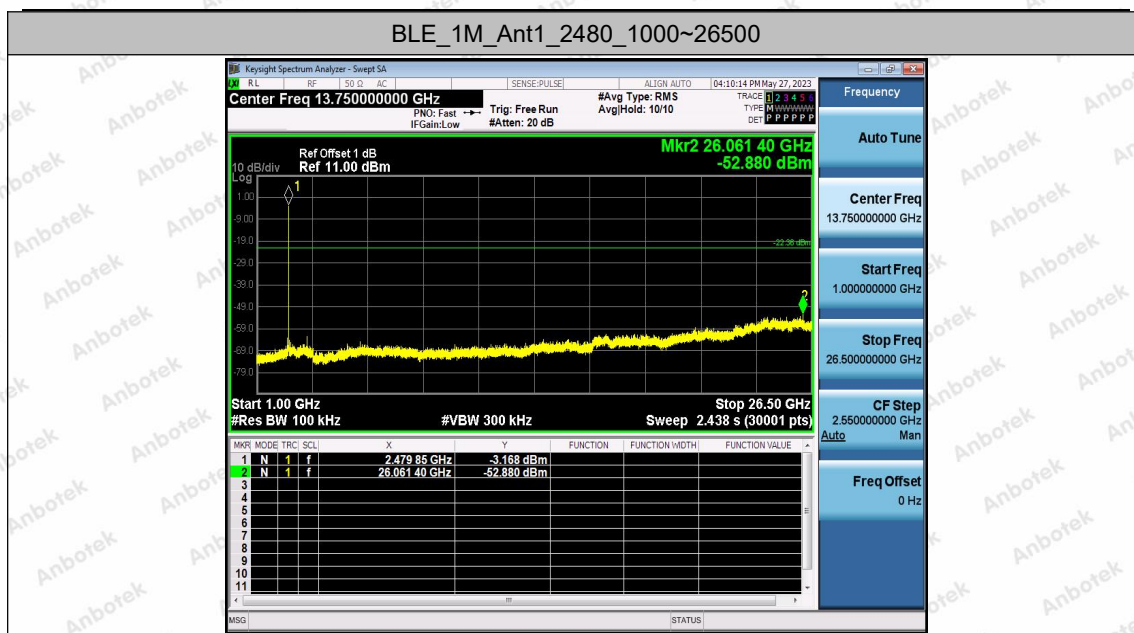
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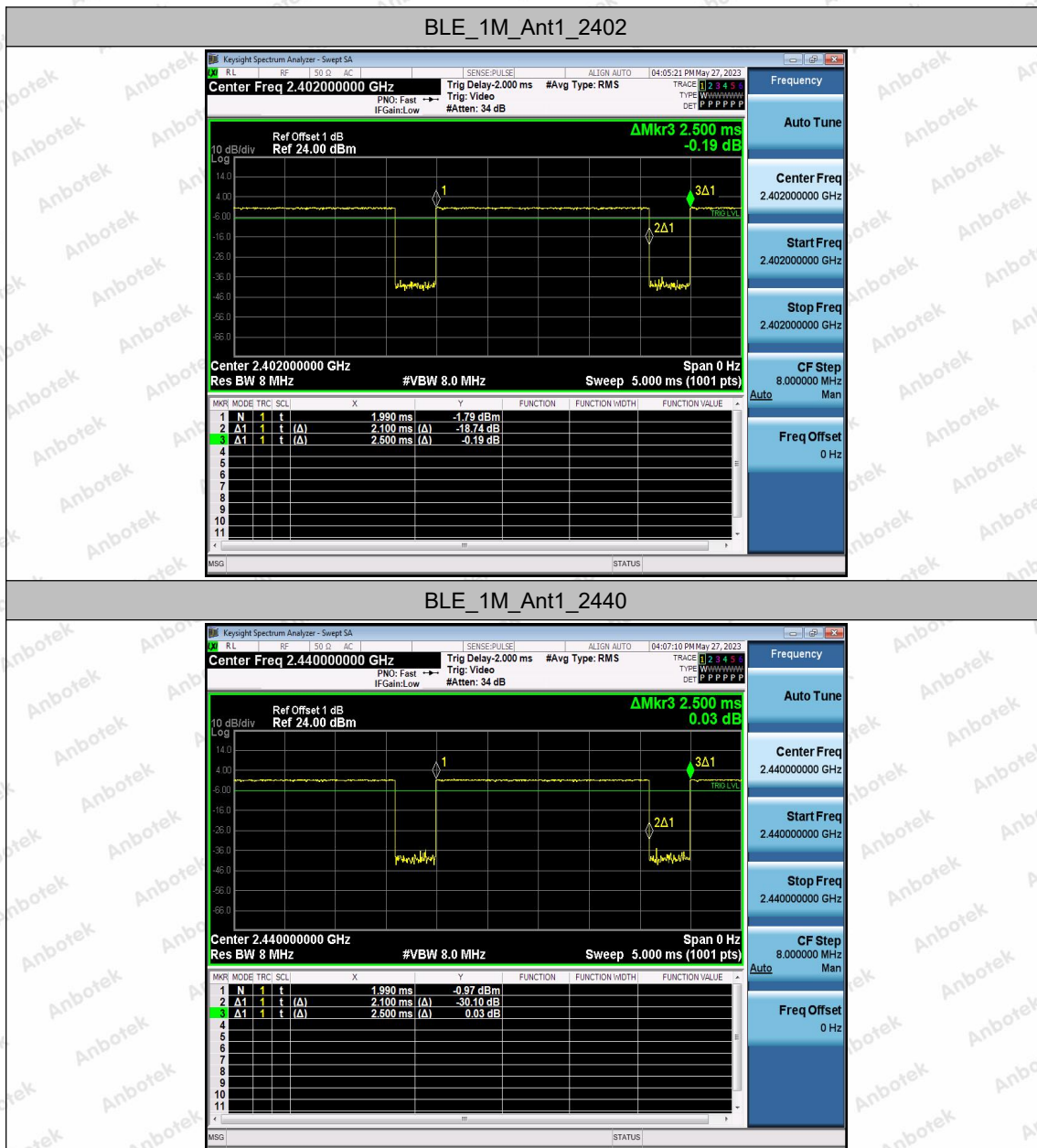
Appendix G: Duty Cycle

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



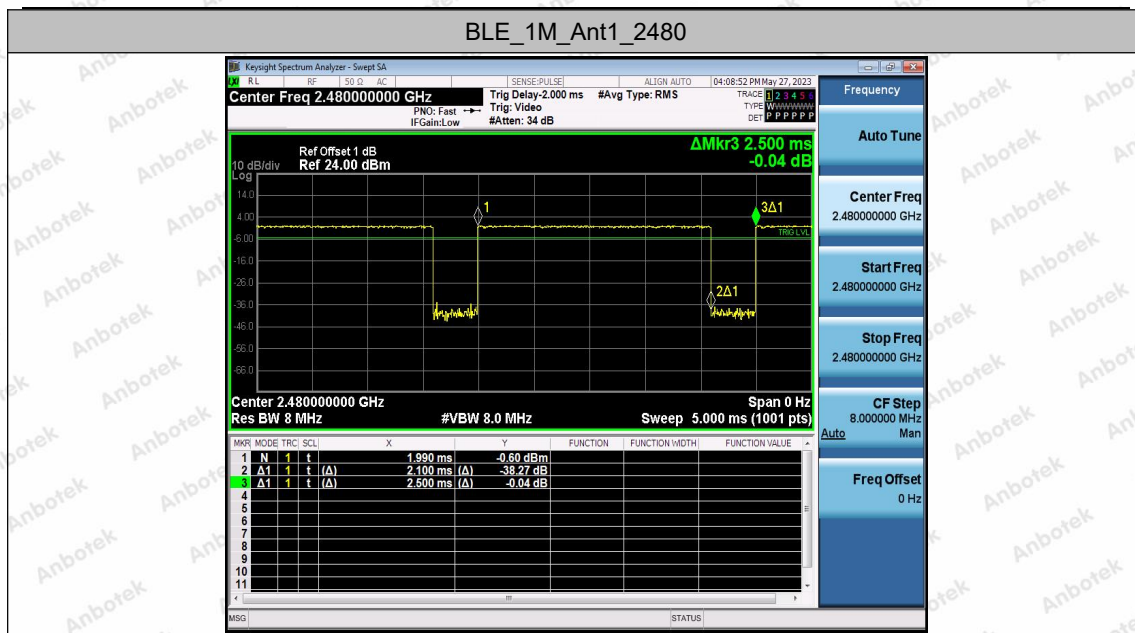
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