

Appendix Test Data

Report No.:	18220WC30144601	Test Sample No.:	1-2-2
Start Test Date:	2023.07.14	Finish Test Date:	2023.07.21
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.3°C	Relative Humidity:	48%
Pressure:	1012 hPa		

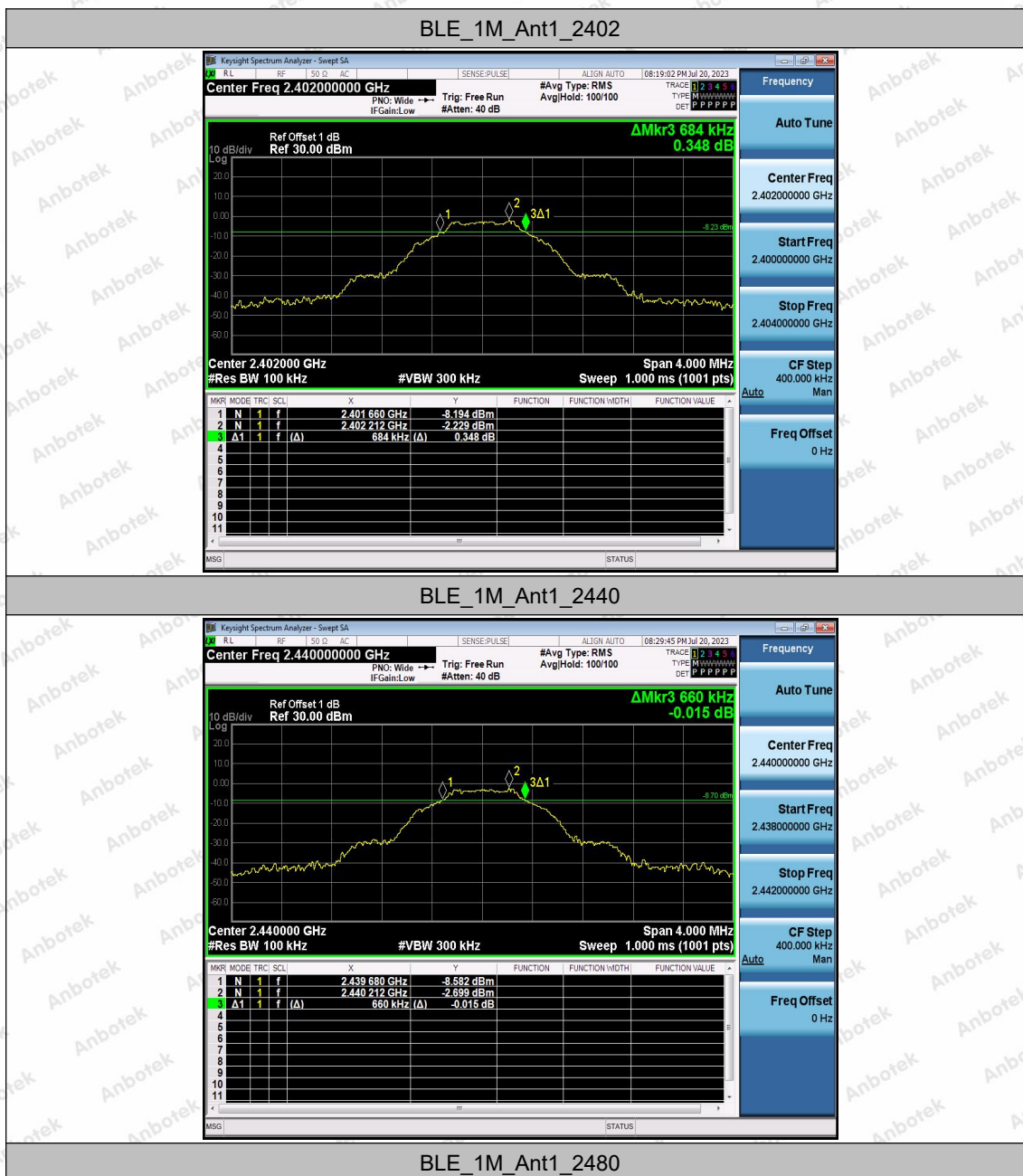
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.684	2401.660	2402.344	0.5	PASS
		2440	0.660	2439.680	2440.340	0.5	PASS
		2480	0.688	2479.664	2480.352	0.5	PASS



Test Graphs



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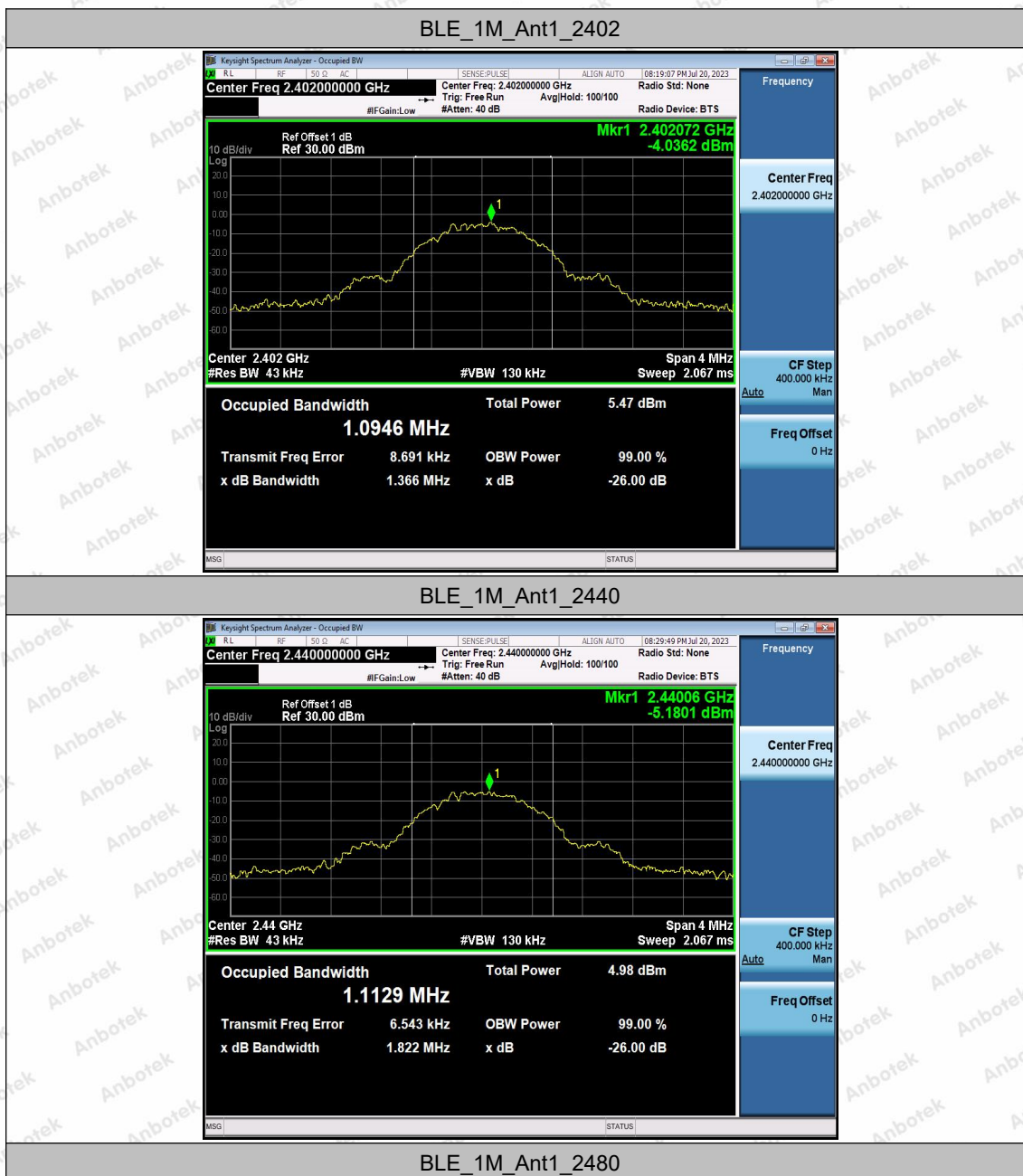
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0946	2401.4614	2402.5560
		2440	1.1129	2439.4501	2440.5630
		2480	1.1292	2479.4382	2480.5674



Test Graphs



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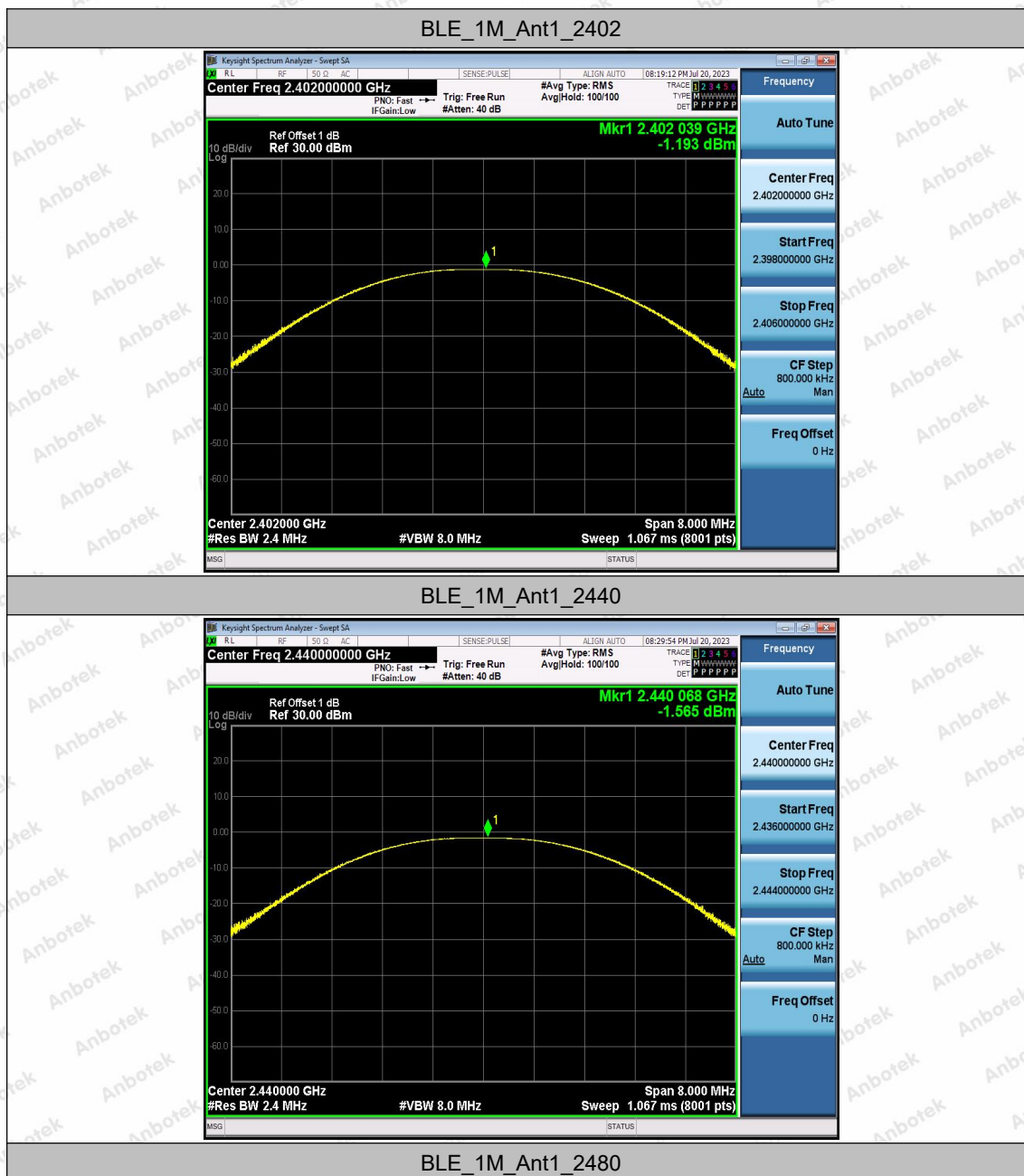
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.19	≤30	PASS
		2440	-1.57	≤30	PASS
		2480	-1.96	≤30	PASS



Test Graphs Peak



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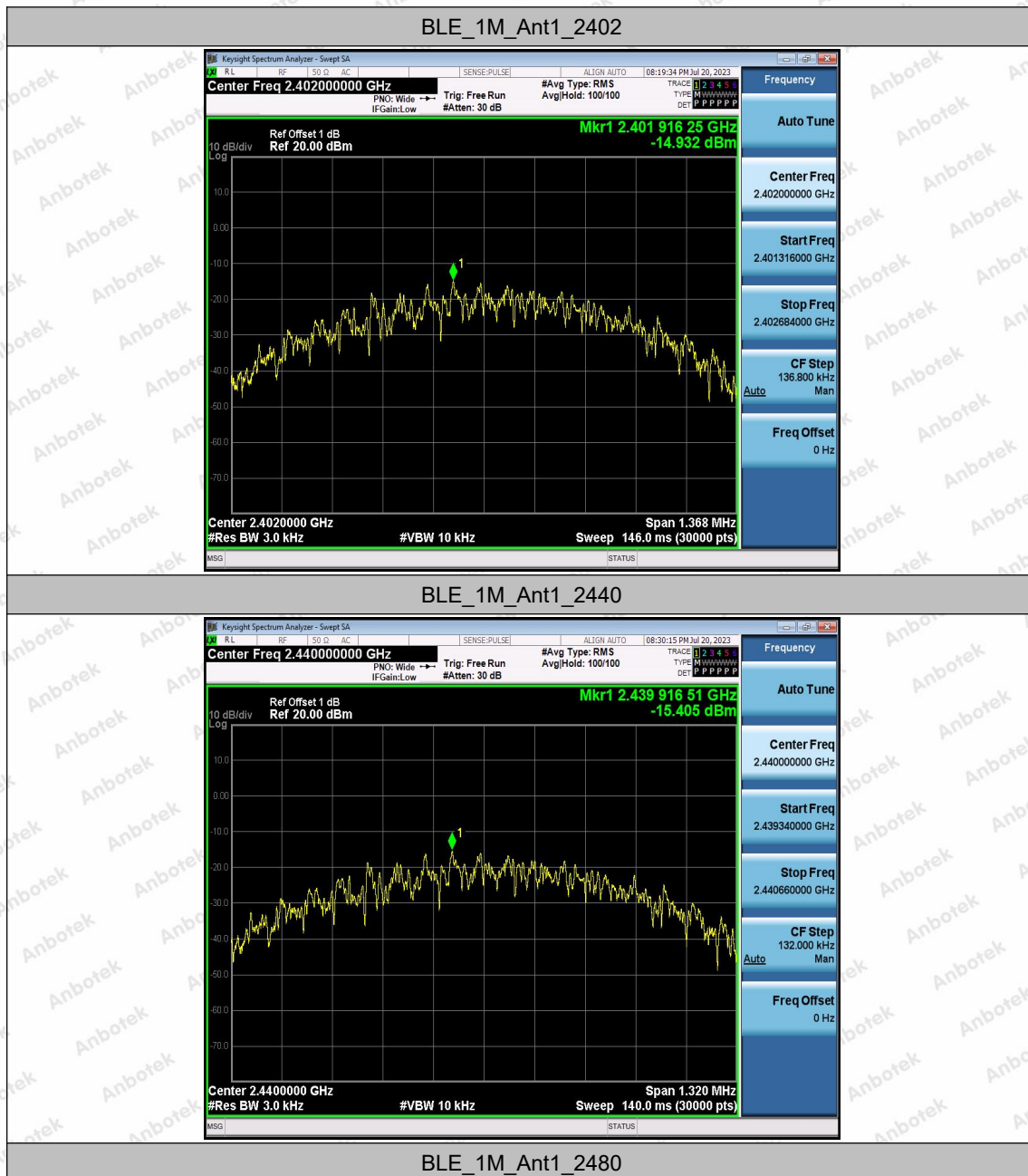
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.93	≤8.00	PASS
		2440	-15.41	≤8.00	PASS
		2480	-15.78	≤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	-2.03	-44.45	≤-22.03	PASS
		High	2480	-2.71	-44.99	≤-22.71	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	-2.89	-2.89	---	PASS
			30~1000	-2.89	-68.96	≤-22.89	PASS
			1000~26500	-2.89	-46.52	≤-22.89	PASS
		2440	Reference	-2.60	-2.60	---	PASS
			30~1000	-2.60	-68.68	≤-22.6	PASS
			1000~26500	-2.60	-48.44	≤-22.6	PASS
		2480	Reference	-3.01	-3.01	---	PASS
			30~1000	-3.01	-69.62	≤-23.01	PASS
			1000~26500	-3.01	-53.12	≤-23.01	PASS

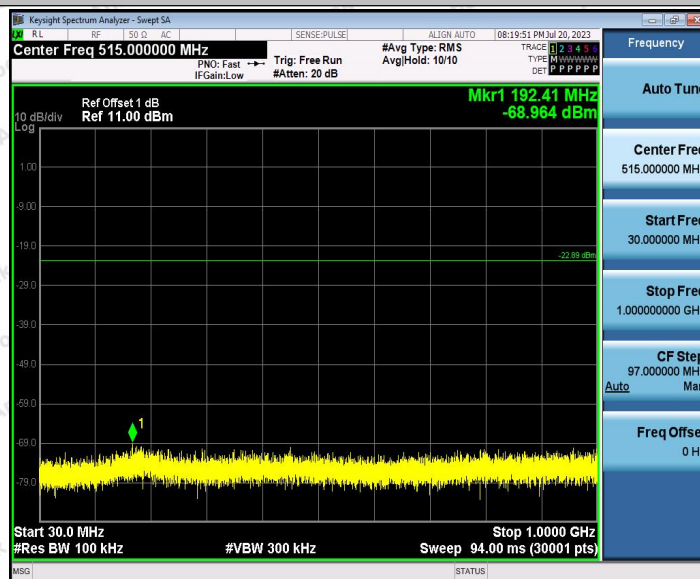


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

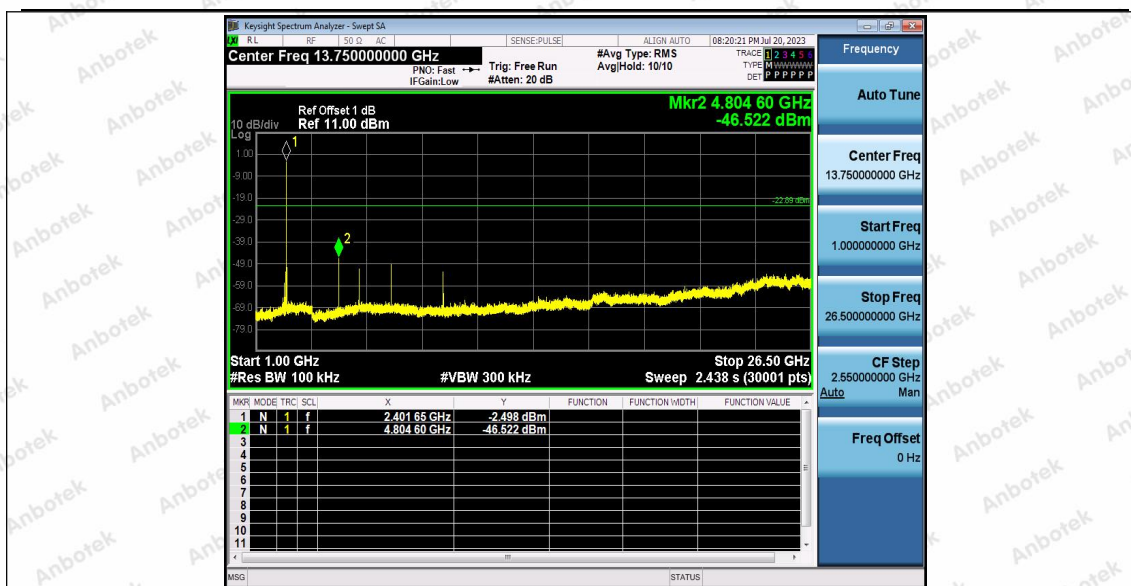
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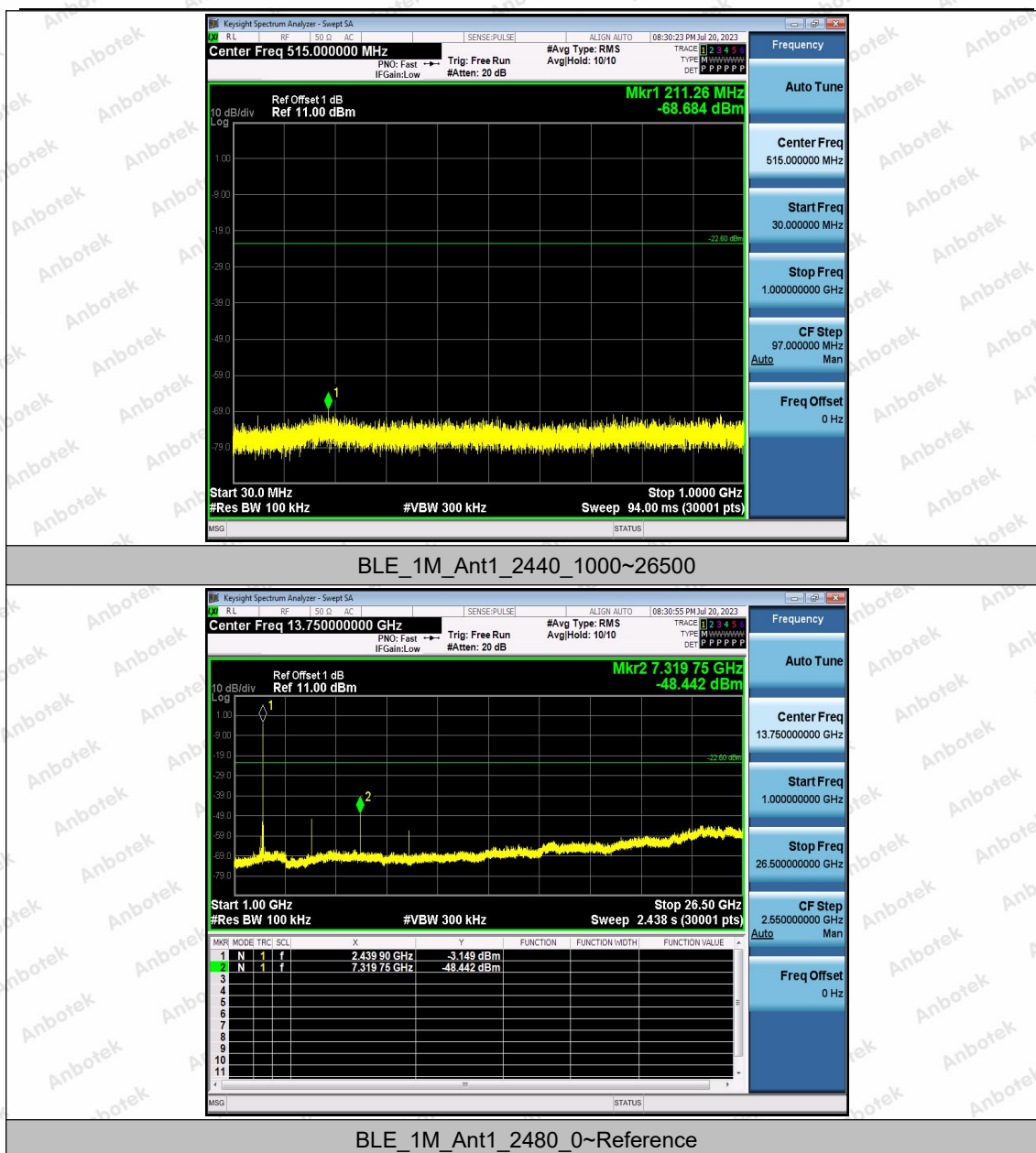


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000





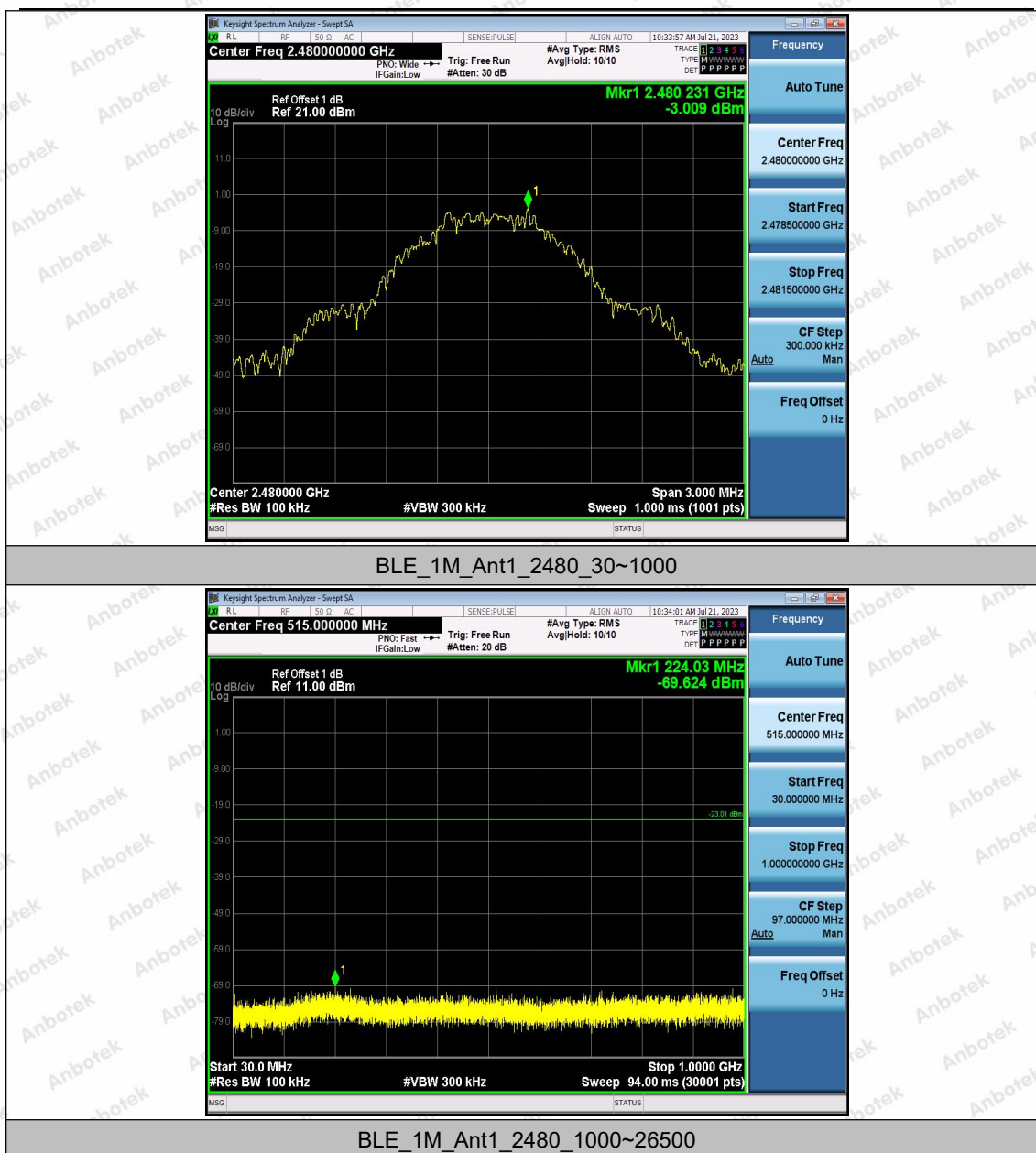
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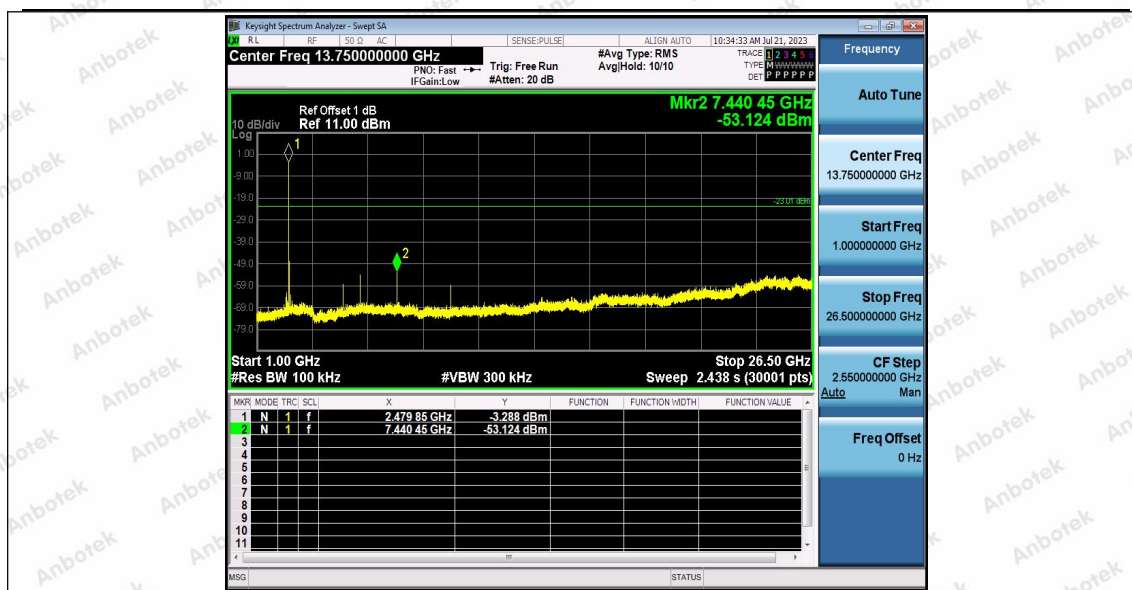
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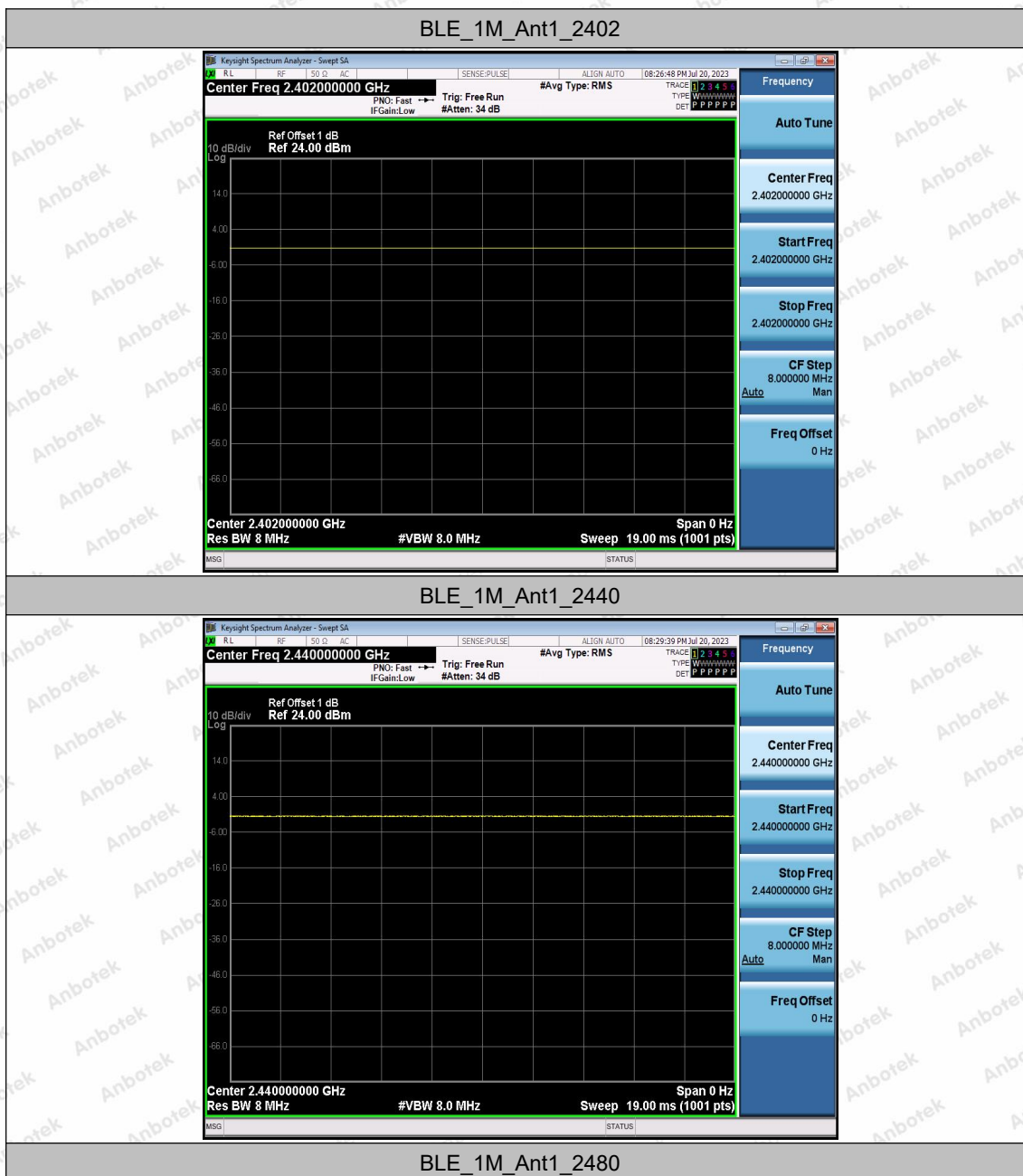
Appendix G: Duty Cycle

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



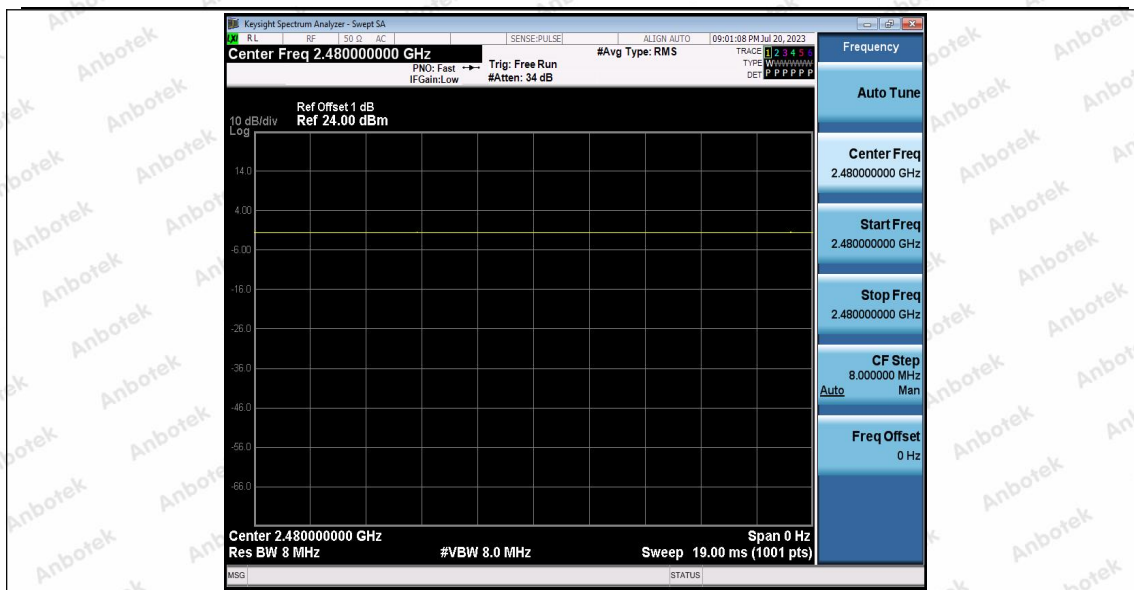
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