

Appendix Test Data

Report No.:	18220WC30205702	Test Sample No.:	1-2-2
Start Test Date:	2023.09.21	Finish Test Date:	2023.09.26
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.4℃	Relative Humidity:	48.8%
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	0.644	2401.676	2402.320	0.5	PASS
		2440	0.652	2439.668	2440.320	0.5	PASS
		2480	0.636	2479.680	2480.316	0.5	PASS



Test Graphs



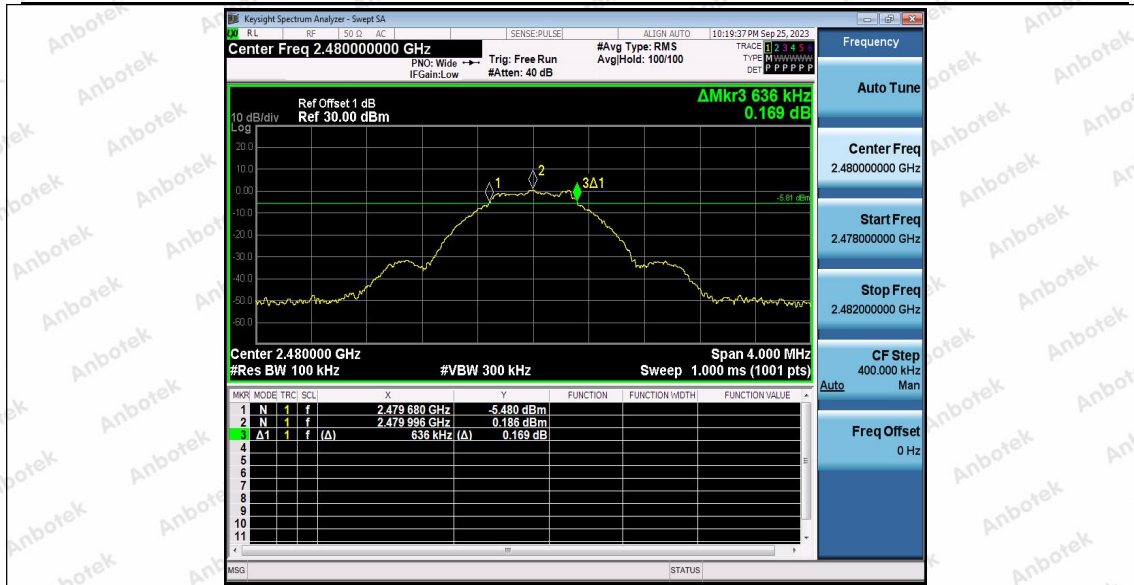
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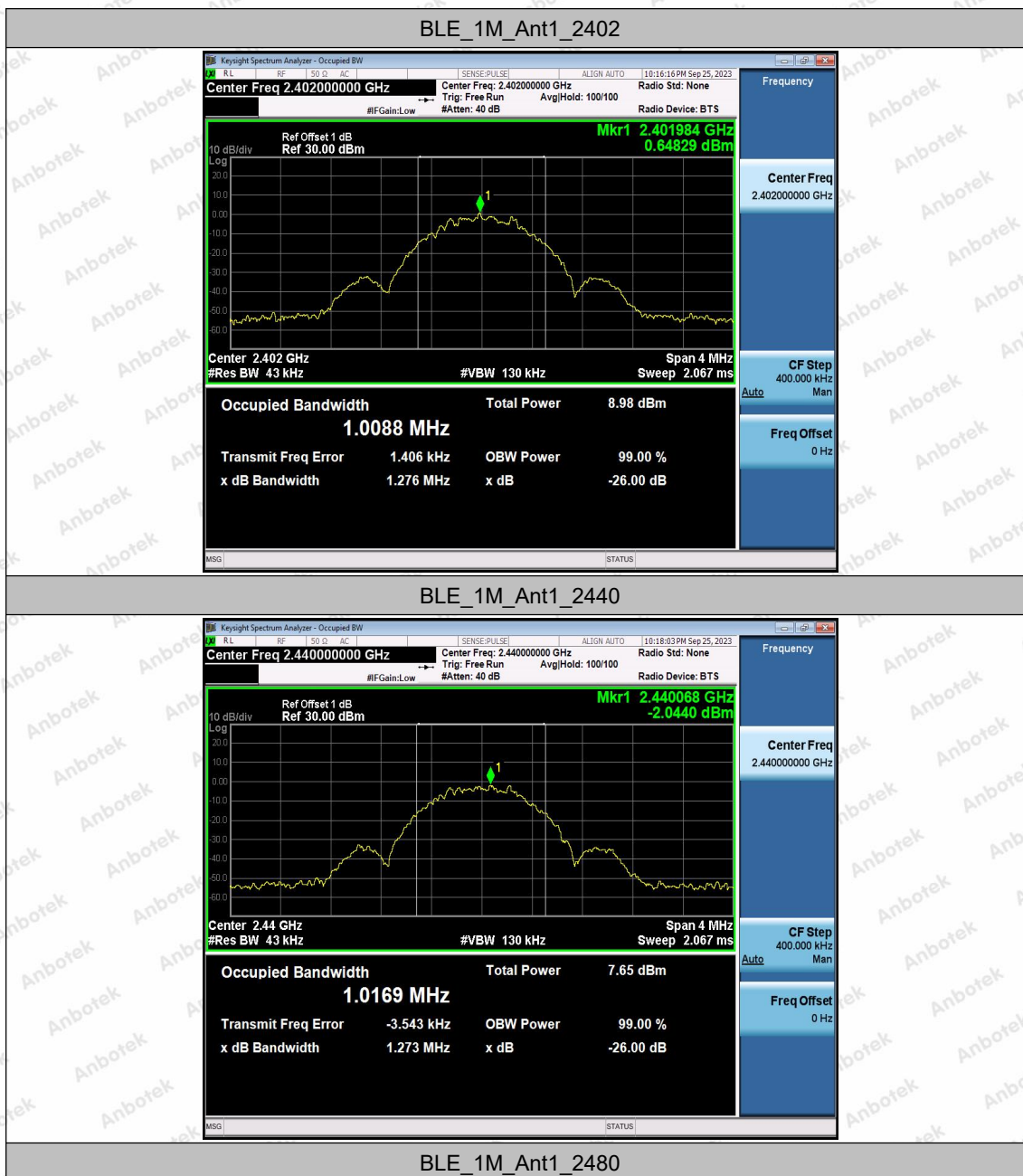
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0088	2401.4970	2402.5058
		2440	1.0169	2439.4880	2440.5049
		2480	1.0257	2479.4834	2480.5091



Test Graphs



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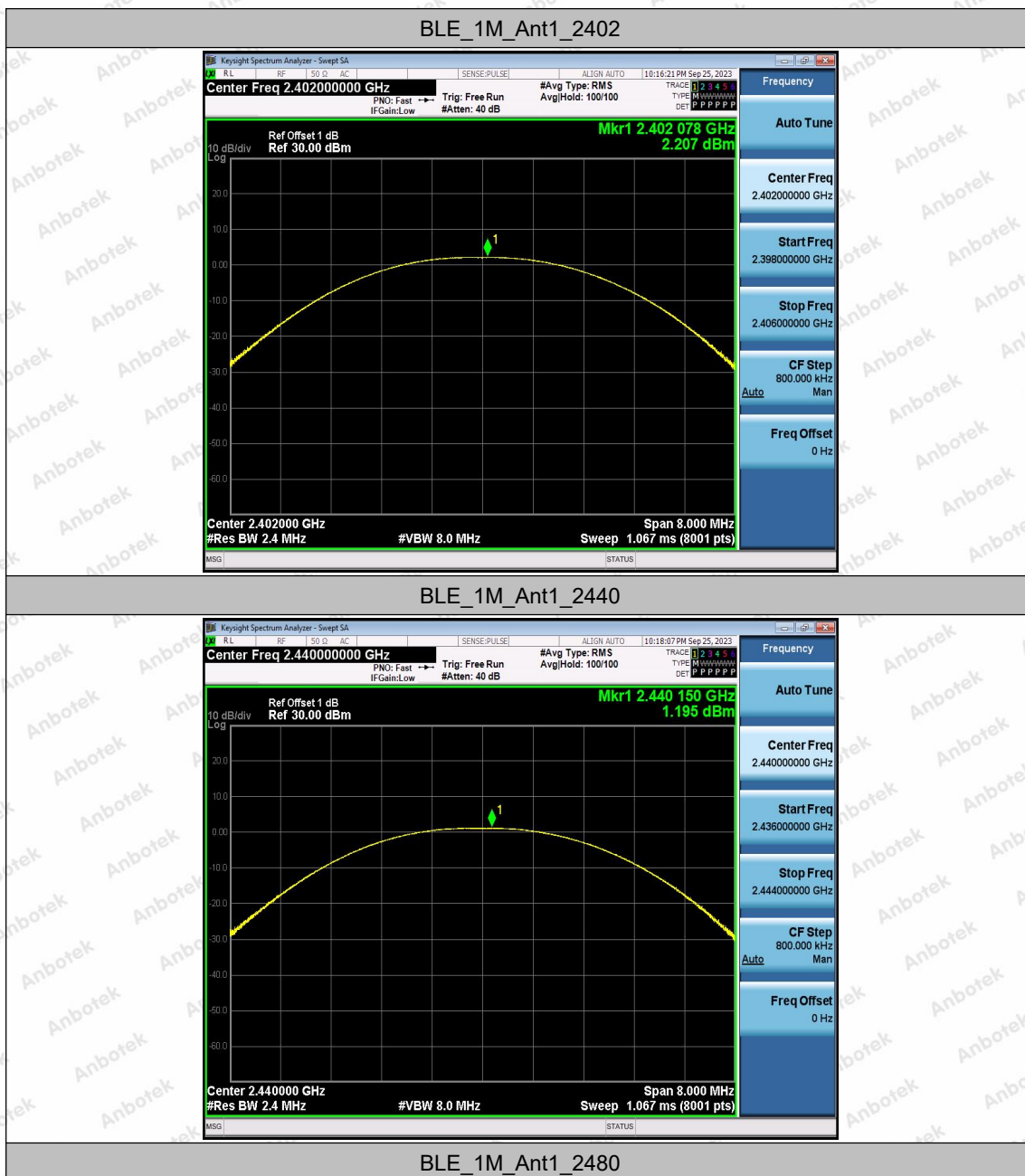
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.21	≤30	PASS
		2440	1.20	≤30	PASS
		2480	0.95	≤30	PASS



Test Graphs Peak



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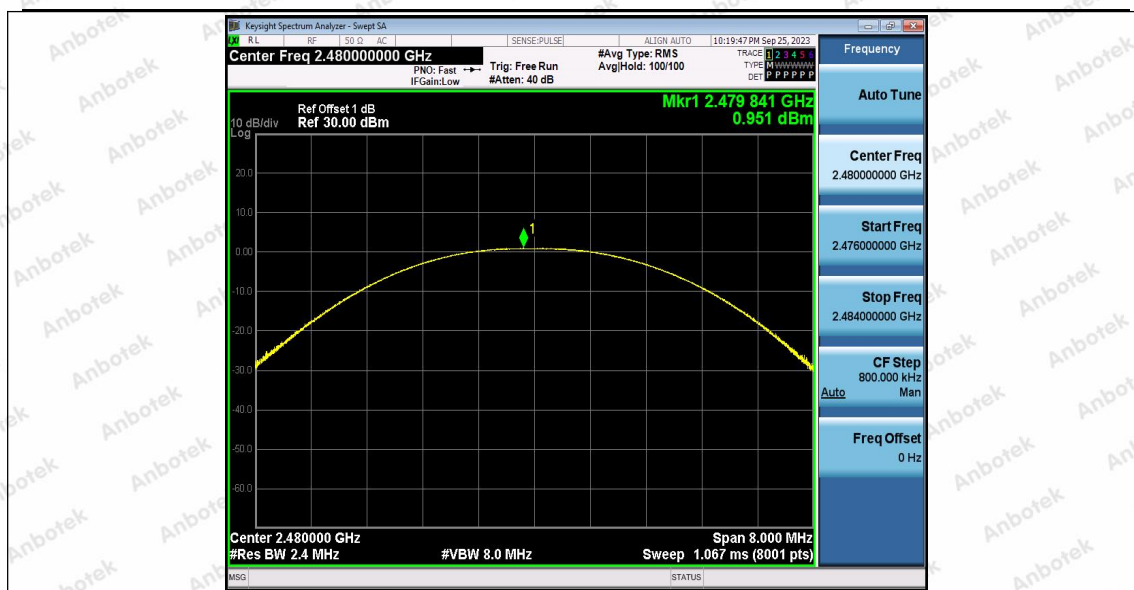


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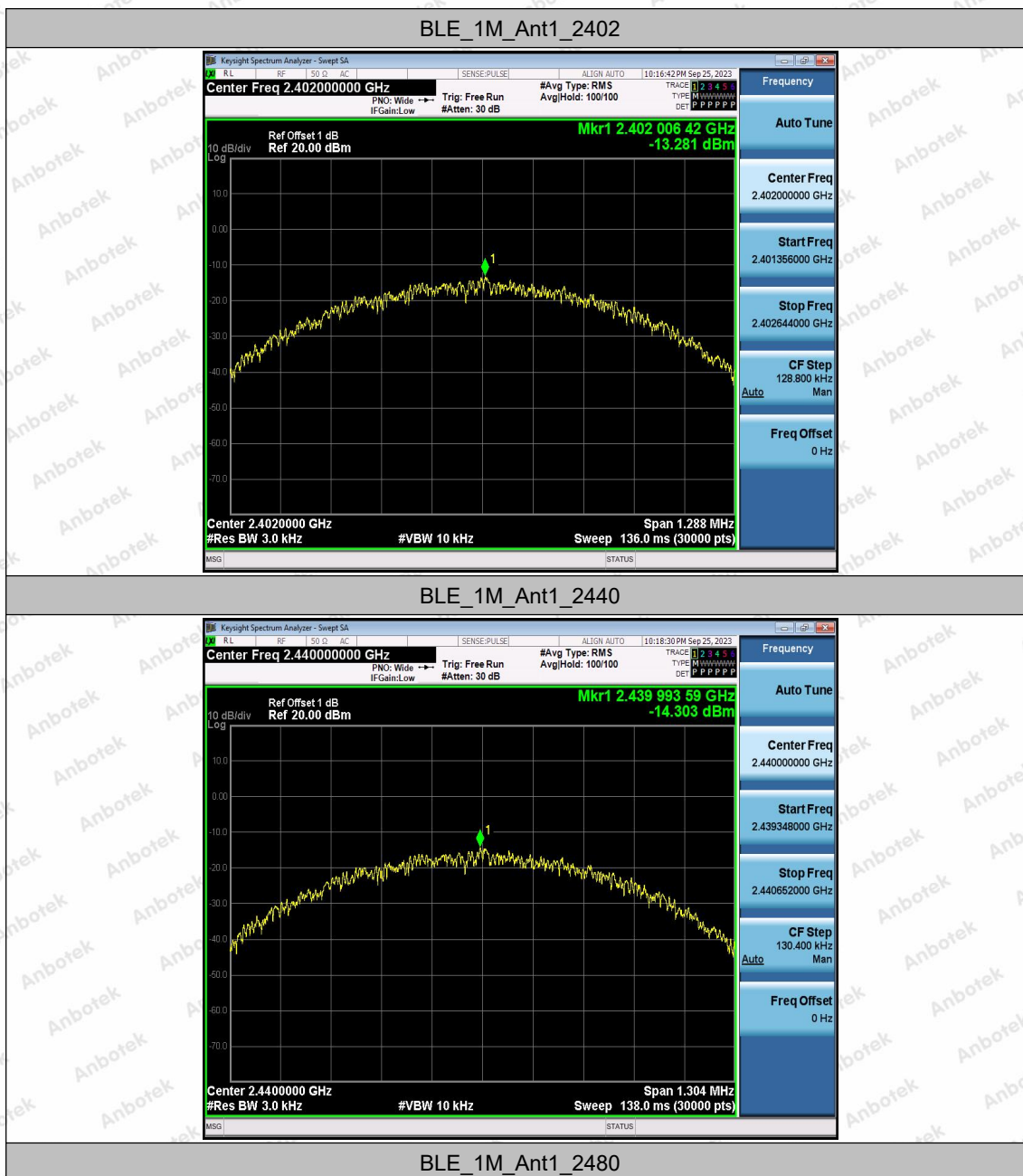
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.28	≤8.00	PASS
		2440	-14.30	≤8.00	PASS
		2480	-14.53	≤8.00	PASS



Test Graphs



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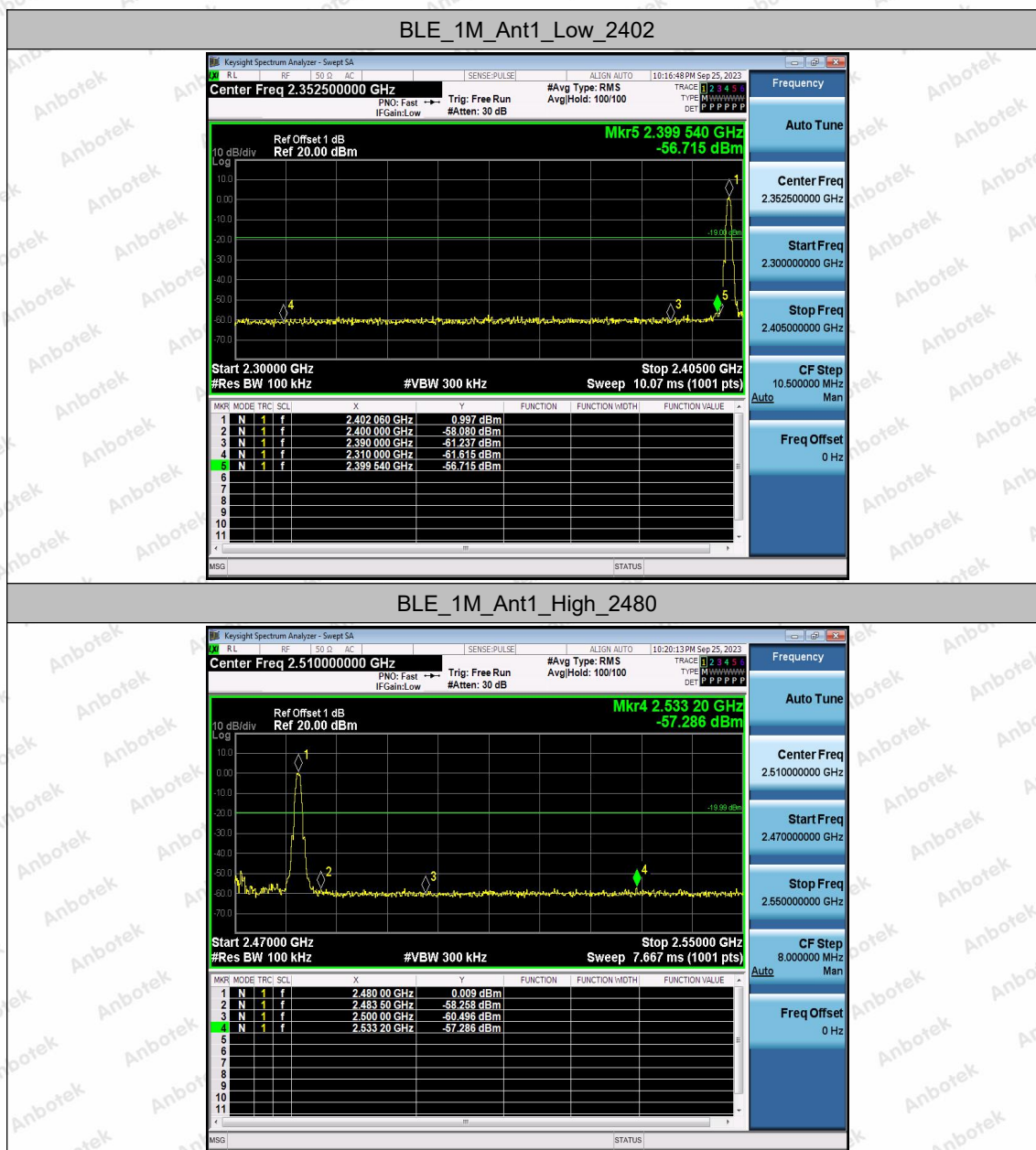


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.00	-56.72	≤-19	PASS
		High	2480	0.01	-57.29	≤-19.99	PASS

Test Graphs



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	0.09	0.09	---	PASS
			30~1000	0.09	-53.64	≤-19.91	PASS
			1000~26500	0.09	-47.8	≤-19.91	PASS
		2440	Reference	-1.60	-1.60	---	PASS
			30~1000	-1.60	-53.5	≤-21.6	PASS
			1000~26500	-1.60	-50.89	≤-21.6	PASS
		2480	Reference	-0.61	-0.61	---	PASS
			30~1000	-0.61	-53.42	≤-20.61	PASS
			1000~26500	-0.61	-53.92	≤-20.61	PASS

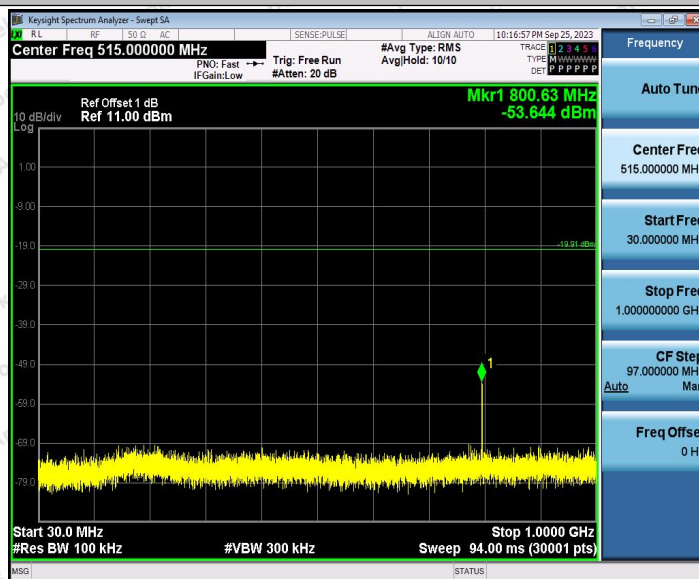


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

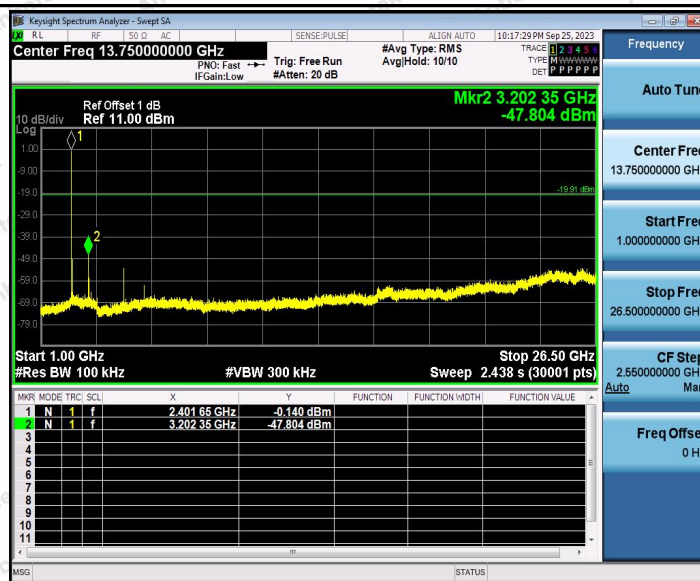
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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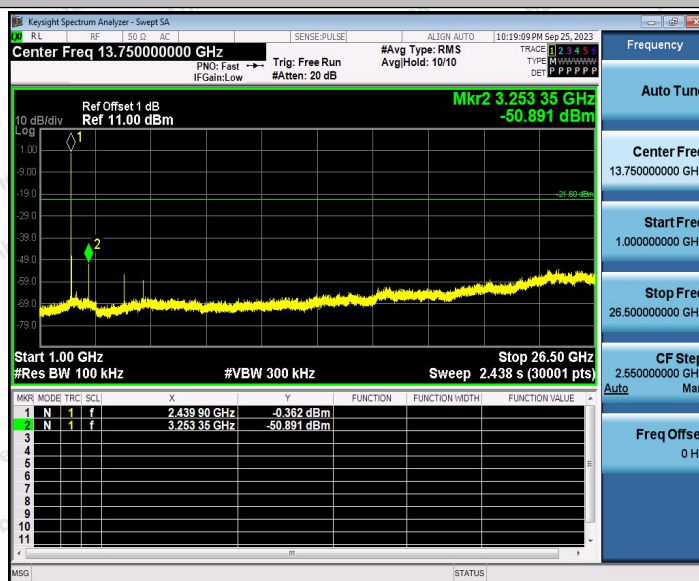
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

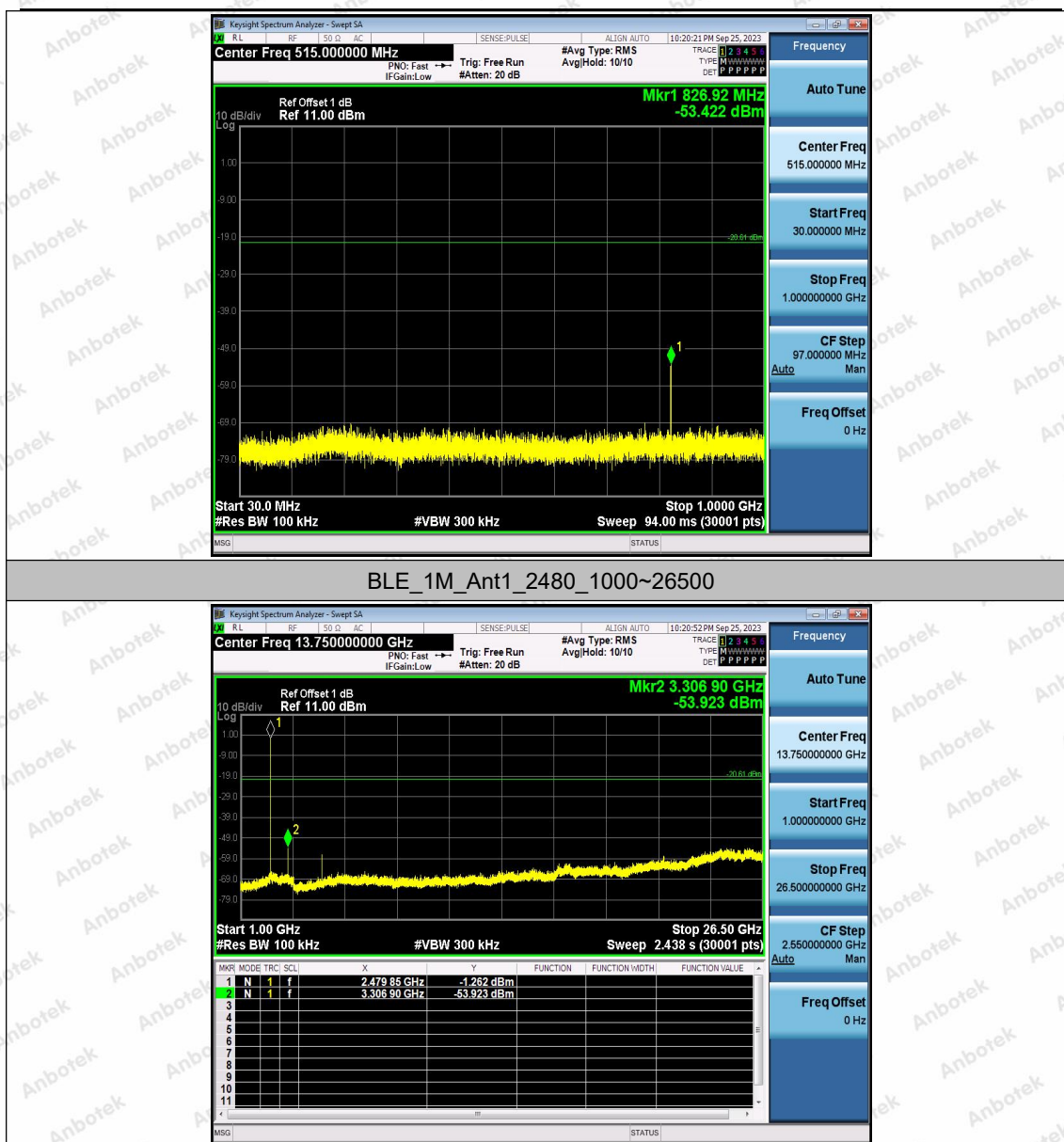
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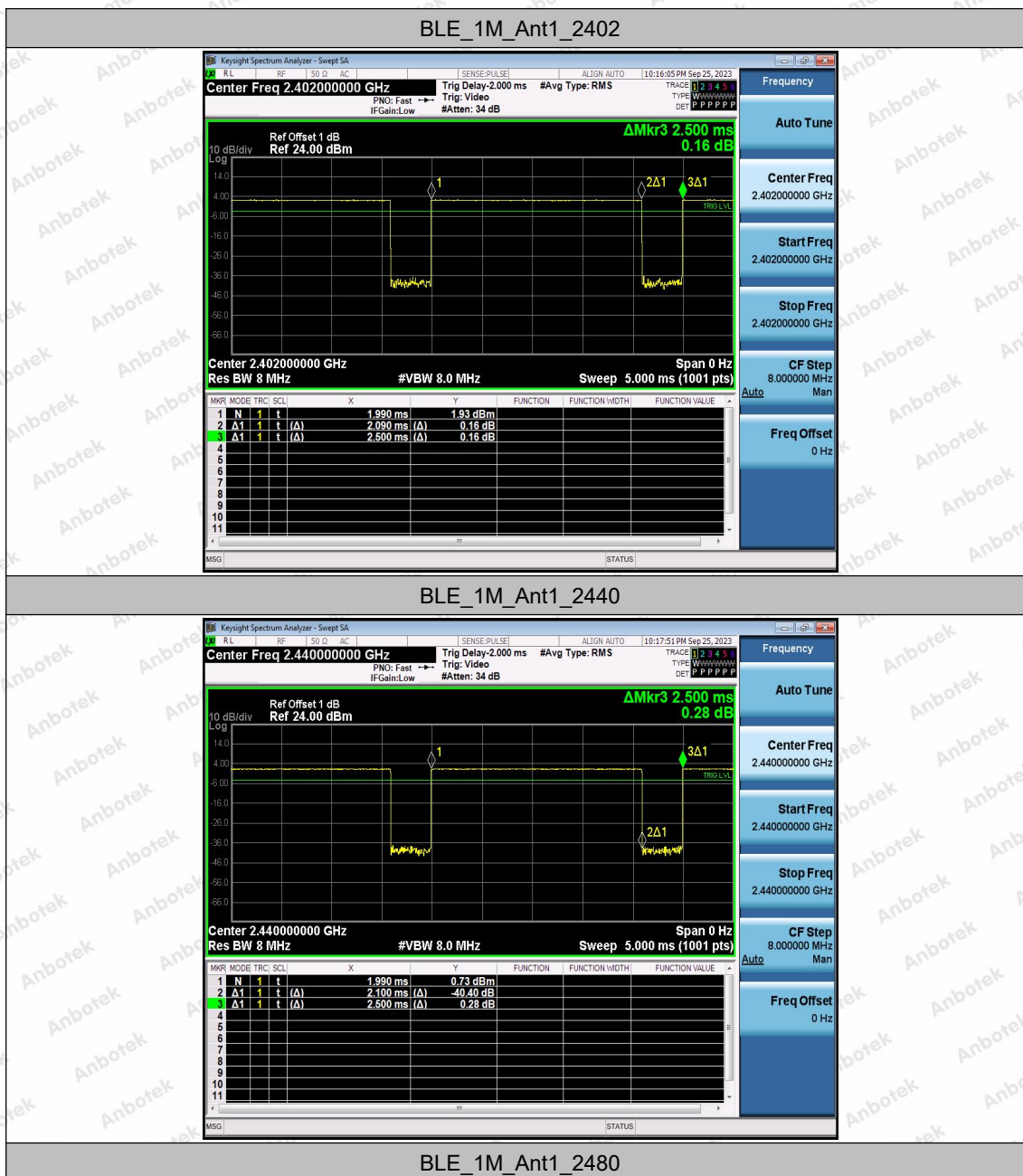
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.09	2.50	83.60	0.78
		2440	2.10	2.50	84.00	0.76
		2480	2.09	3.13	66.77	1.75



Test Graphs



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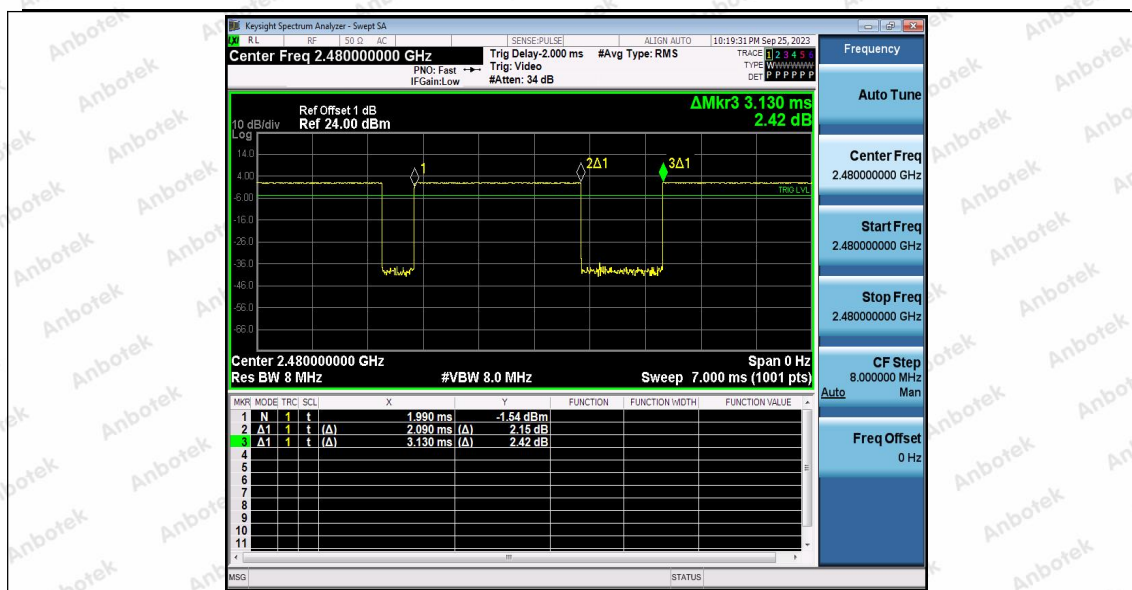
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