

Appendix Test Data

Report No.:	18220WC30166301	Test Sample No.:	1-2-2
Start Test Date:	2023.08.14	Finish Test Date:	2023.08.16
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.5℃	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	0.644	2401.668	2402.312	0.5	PASS
		2440	0.644	2439.668	2440.312	0.5	PASS
		2480	0.652	2479.656	2480.308	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



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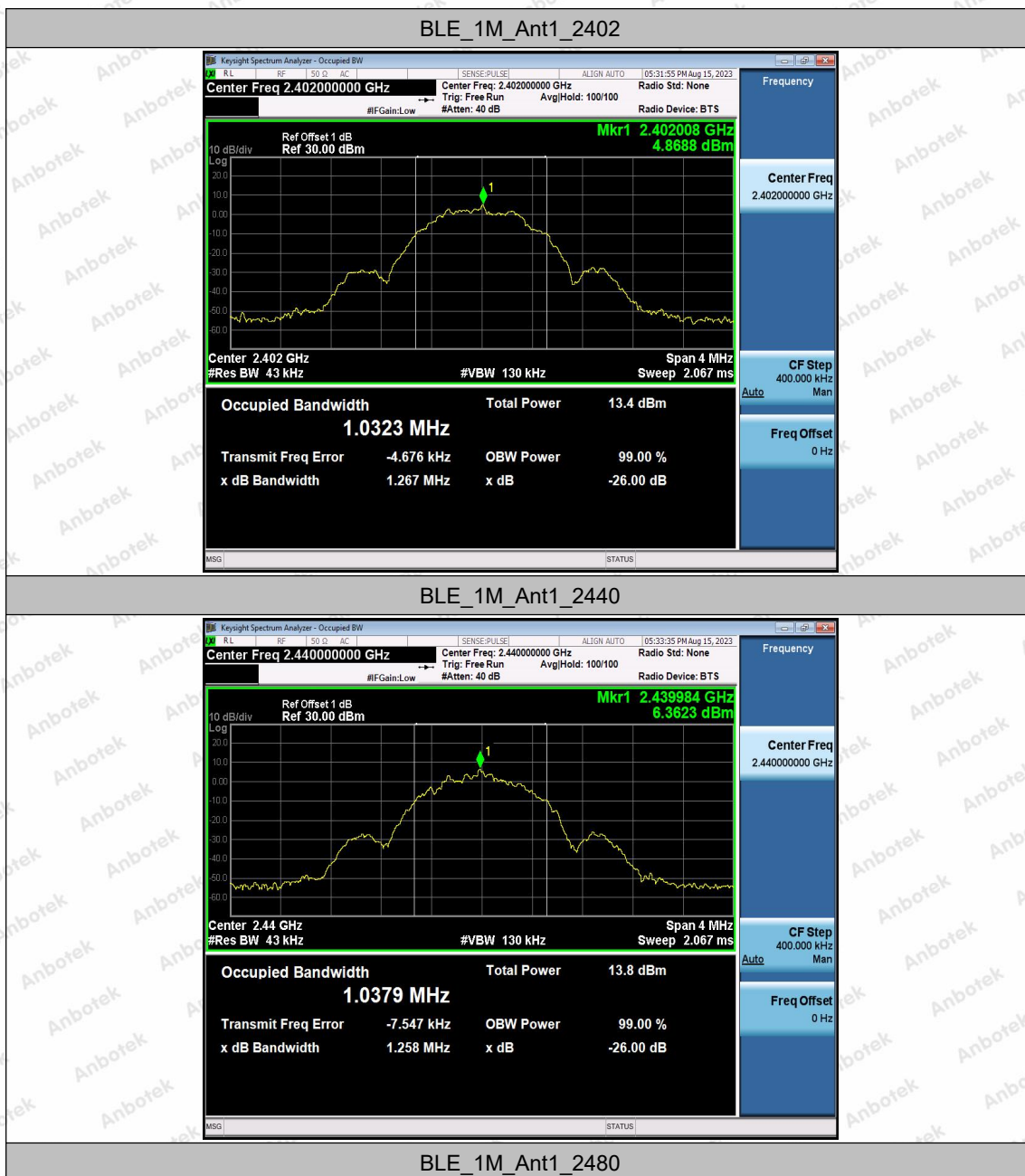
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0323	2401.4792	2402.5115
		2440	1.0379	2439.4735	2440.5114
		2480	1.0322	2479.4739	2480.5061



Test Graphs



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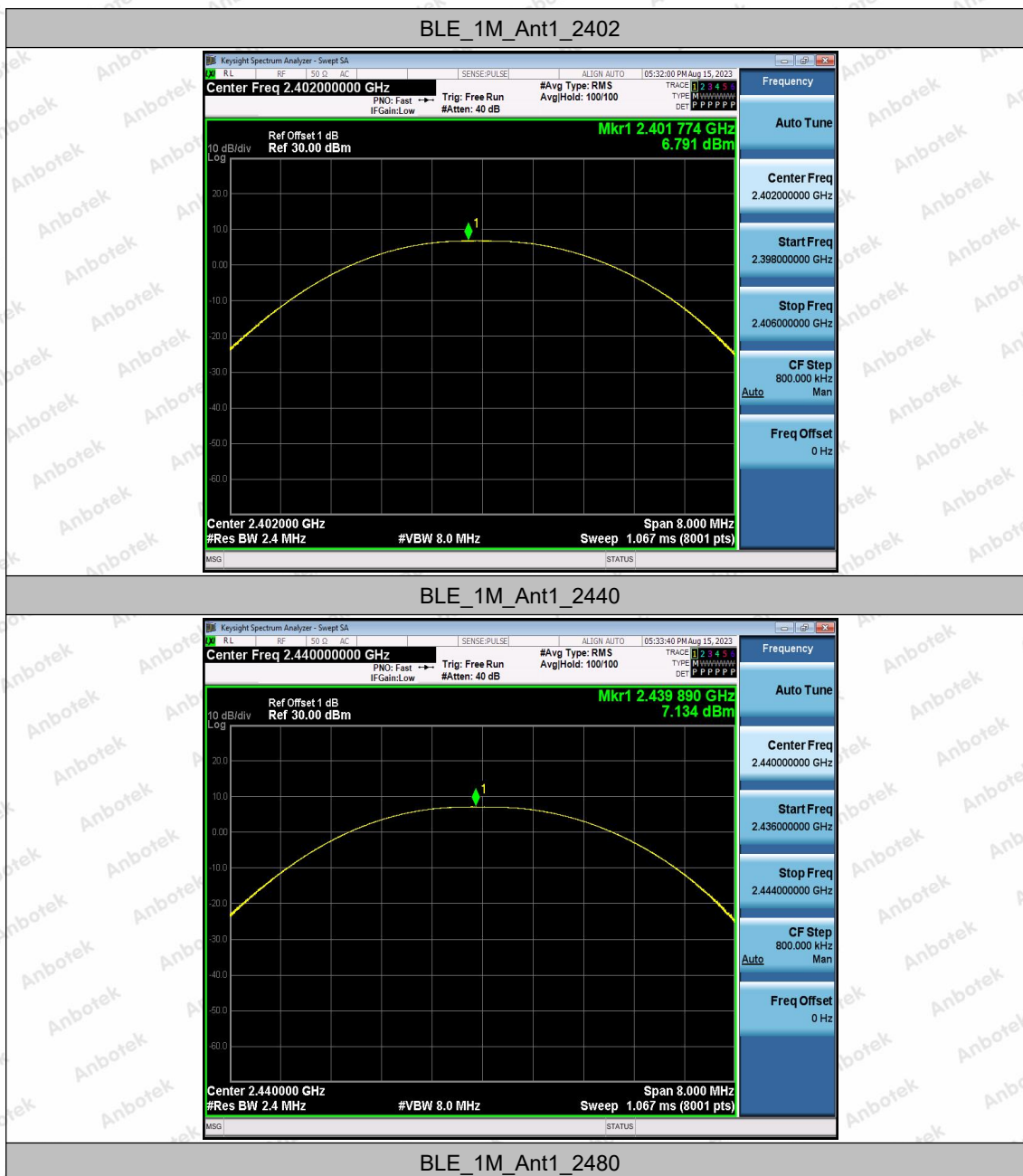
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	6.79	≤30	PASS
		2440	7.13	≤30	PASS
		2480	7.79	≤30	PASS



Test Graphs Peak



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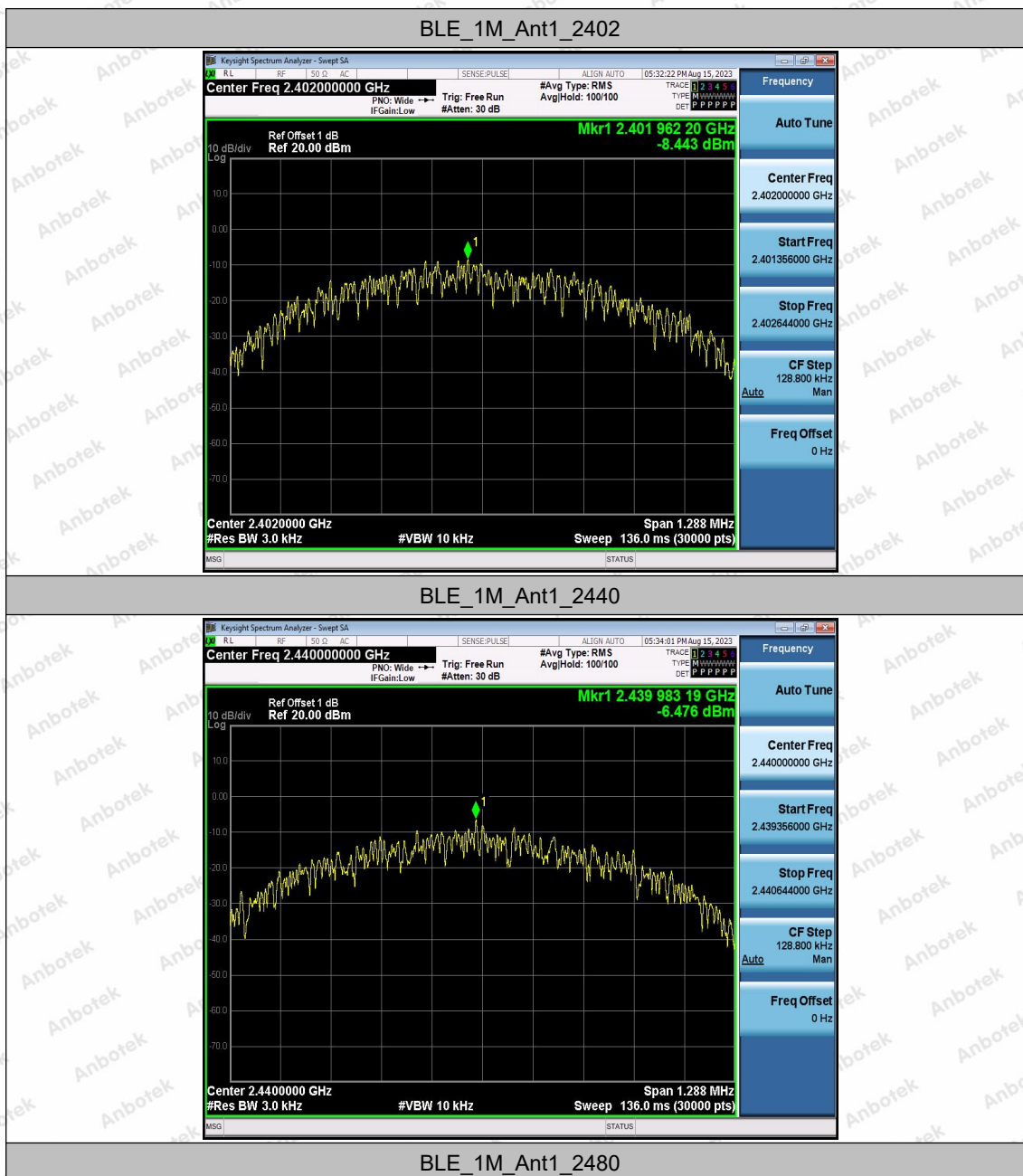
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.44	≤8.00	PASS
		2440	-6.48	≤8.00	PASS
		2480	-8.14	≤8.00	PASS



Test Graphs



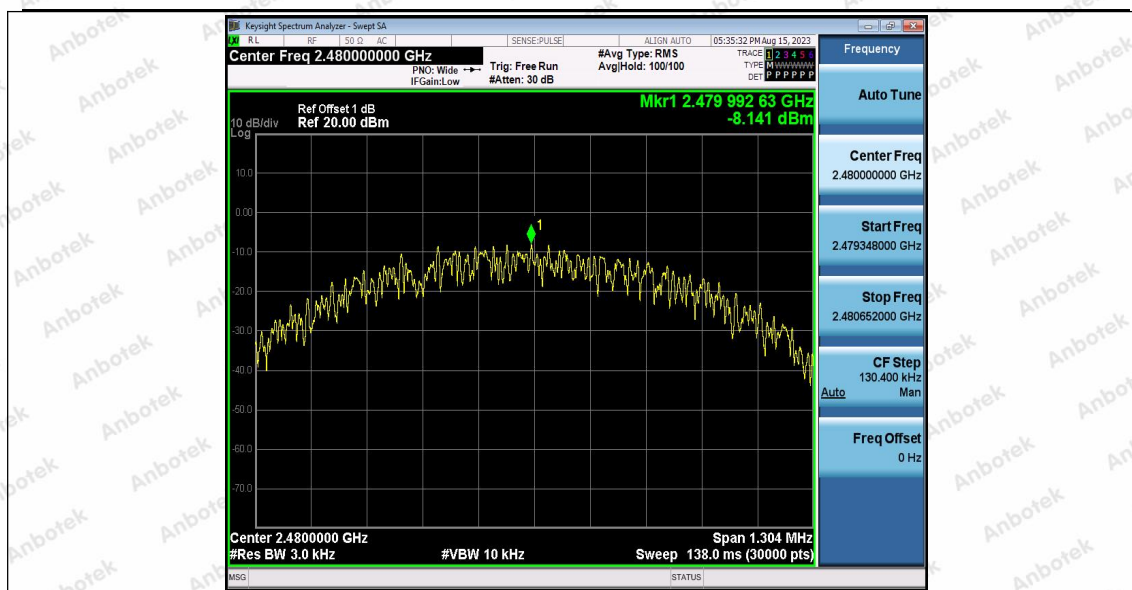
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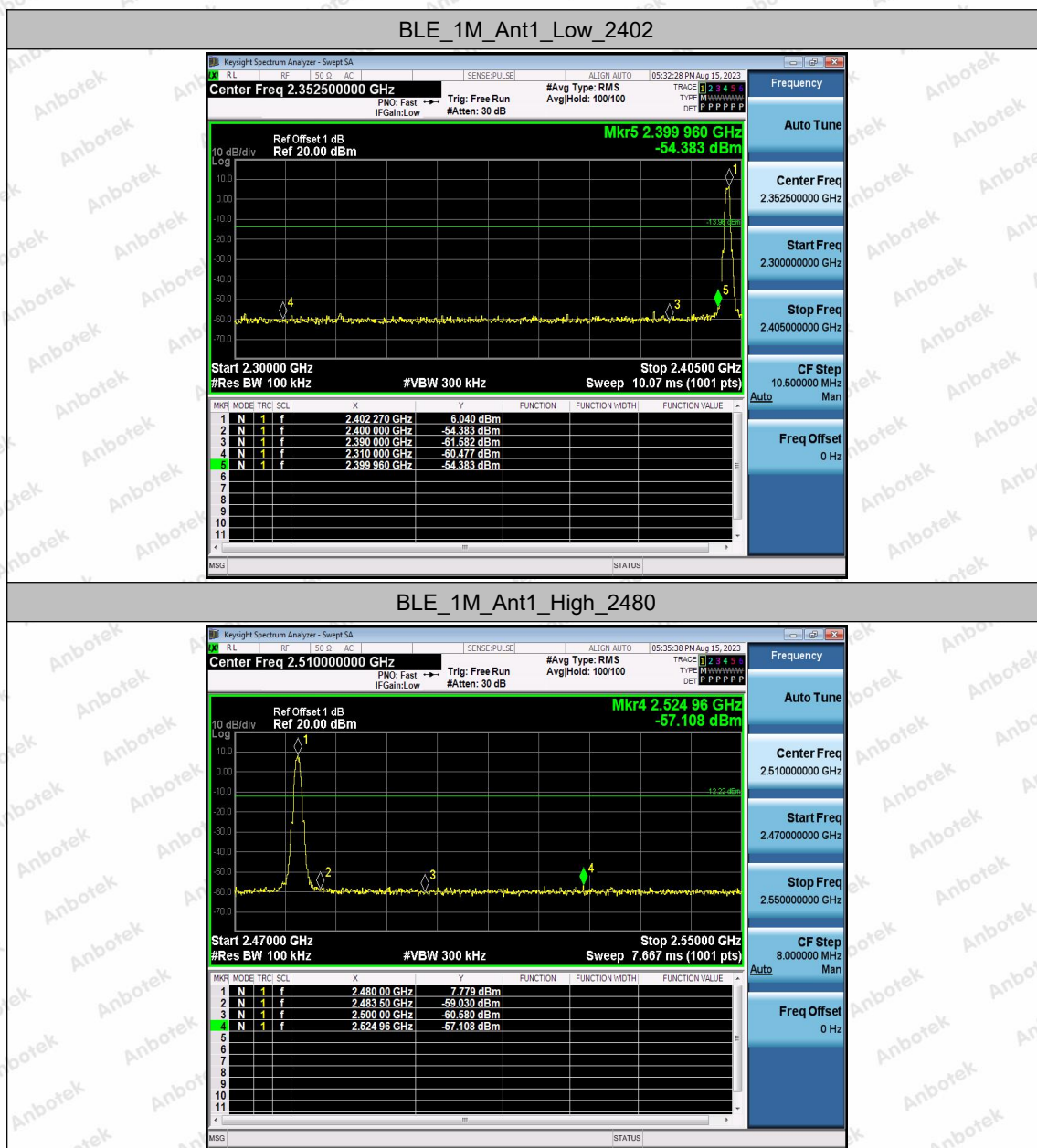


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	6.04	-54.38	≤-13.96	PASS
		High	2480	7.78	-57.11	≤-12.22	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	5.10	5.10	---	PASS
			30~1000	5.10	-65.01	≤-14.9	PASS
			1000~26500	5.10	-53.91	≤-14.9	PASS
		2440	Reference	6.02	6.02	---	PASS
			30~1000	6.02	-65.34	≤-13.98	PASS
			1000~26500	6.02	-52.76	≤-13.98	PASS
		2480	Reference	6.03	6.03	---	PASS
			30~1000	6.03	-64.83	≤-13.97	PASS
			1000~26500	6.03	-53.87	≤-13.97	PASS

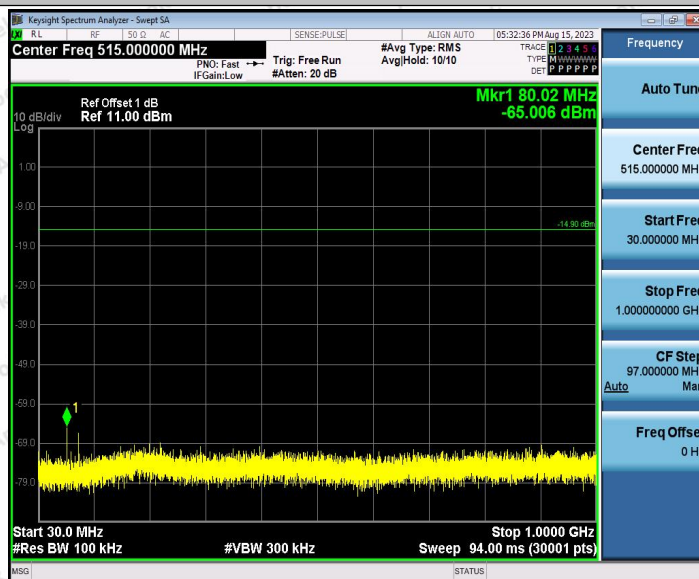


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

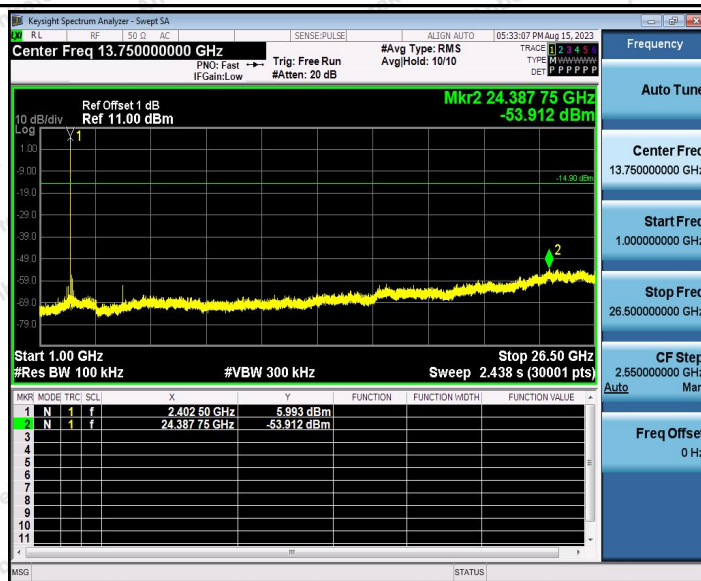
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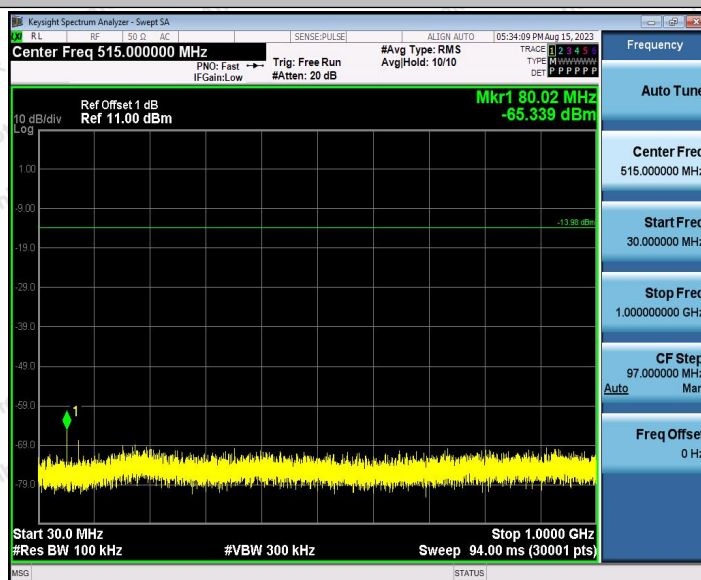




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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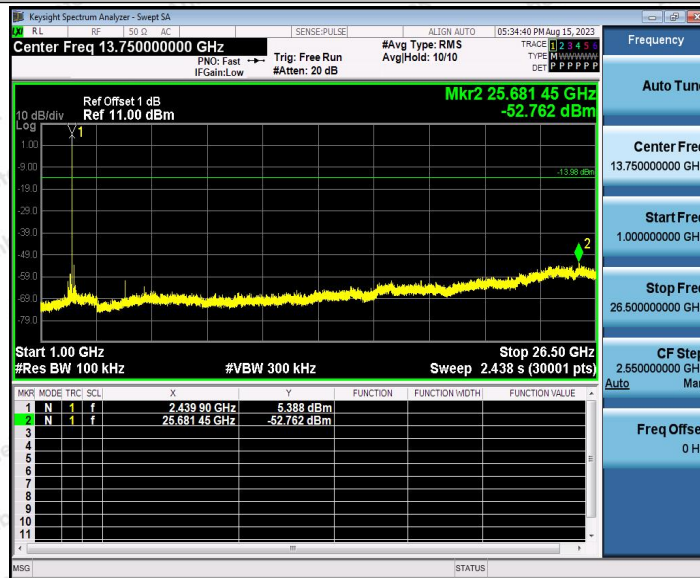
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

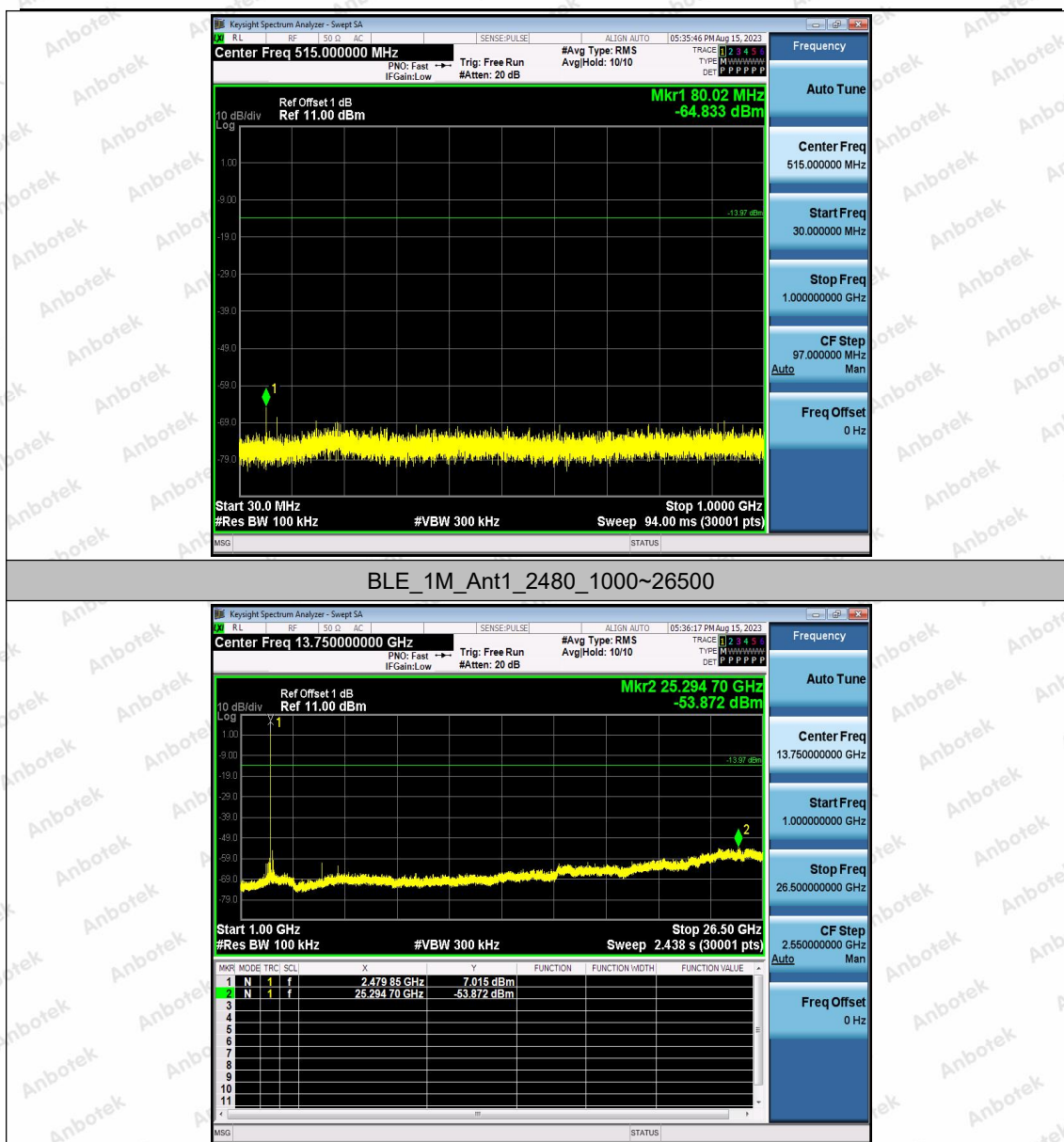
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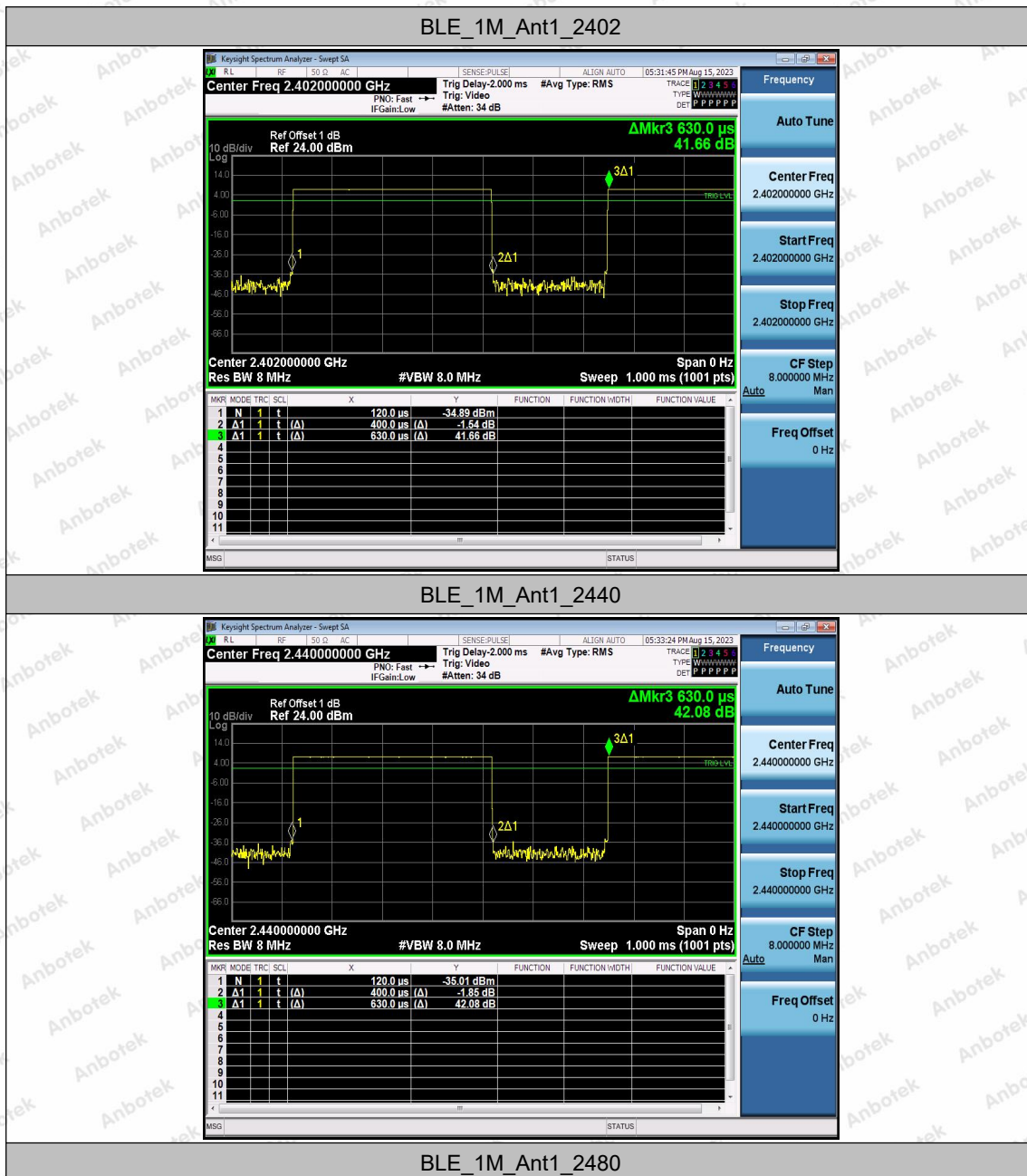
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.40	0.63	63.49	1.97
		2440	0.40	0.63	63.49	1.97
		2480	0.40	0.63	63.49	1.97



Test Graphs



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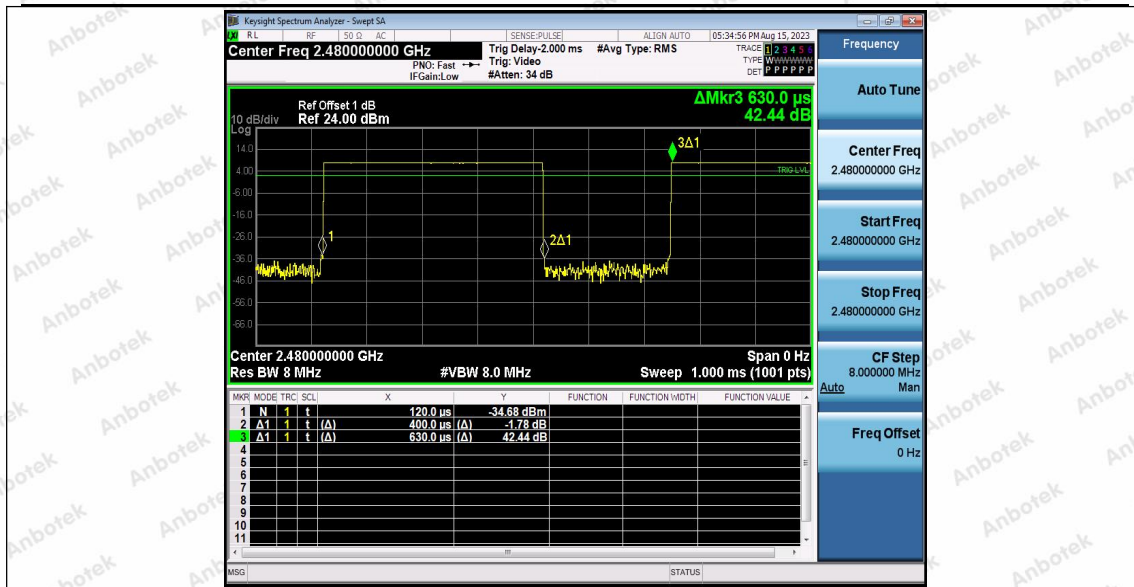


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