

Appendix Test Data

Report No.:	18220WC30094201	Test Sample No.:	1-2-2
Start Test Date:	2023.05.18	Finish Test Date:	2023.05.23
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	23.3℃	Relative Humidity:	49%
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	2401.664	2402.324	0.5	PASS
		2440	0.656	2439.672	2440.328	0.5	PASS
		2480	0.640	2479.676	2480.316	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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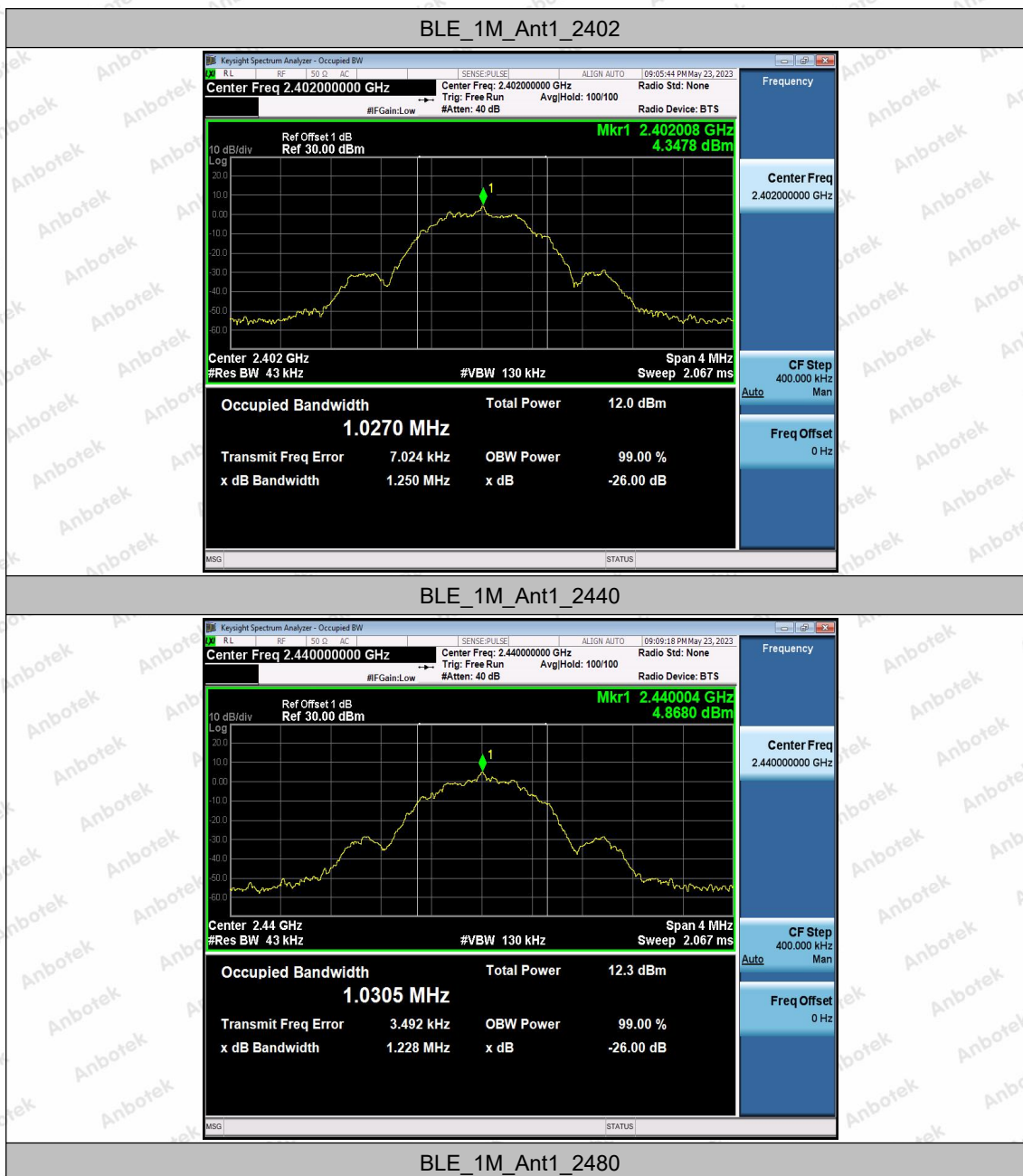
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0270	2401.4935	2402.5205
		2440	1.0305	2439.4882	2440.5187
		2480	1.0331	2479.4879	2480.5210



Test Graphs



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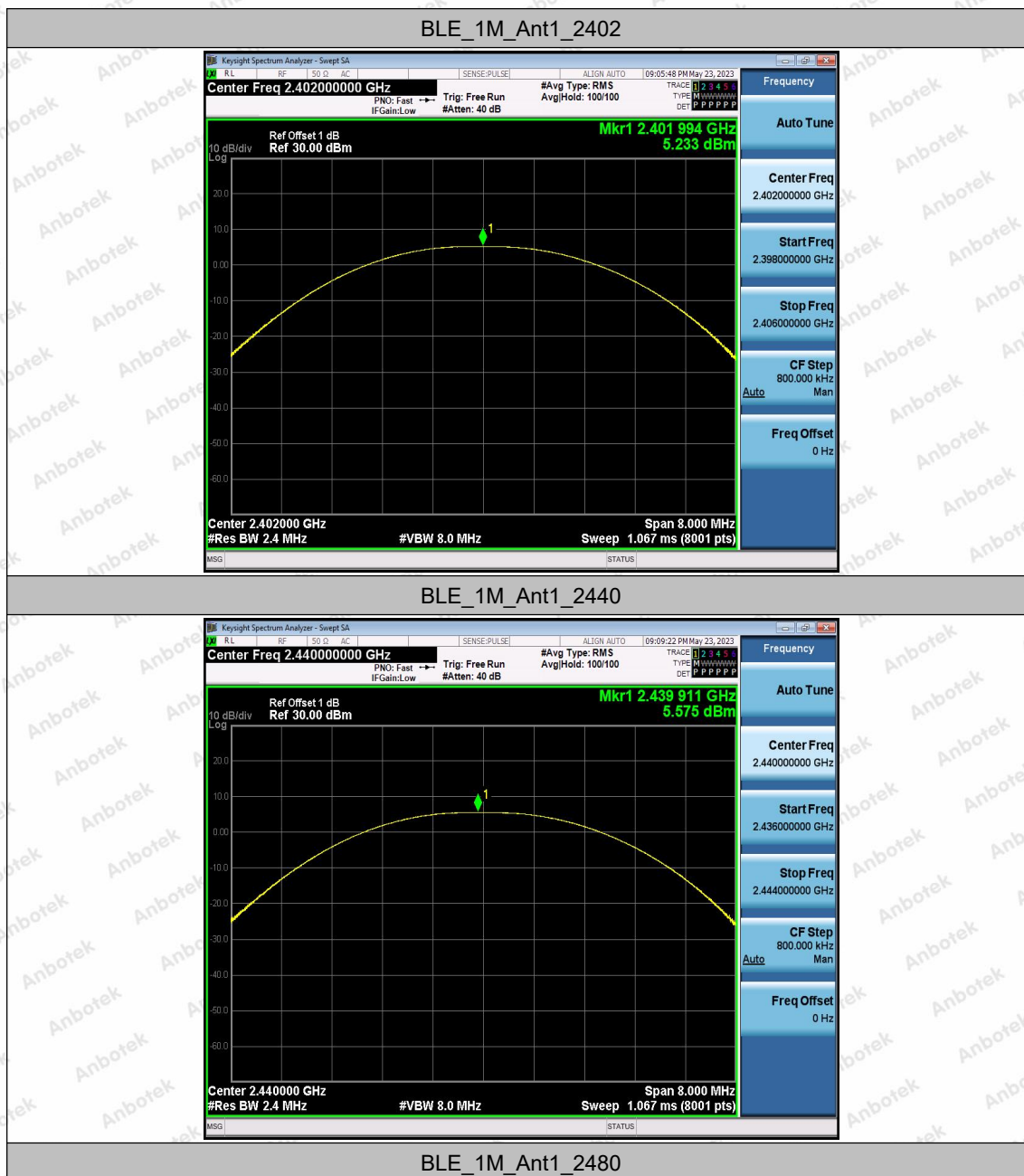
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.23	≤30	PASS
		2440	5.58	≤30	PASS
		2480	5.71	≤30	PASS



Test Graphs Peak



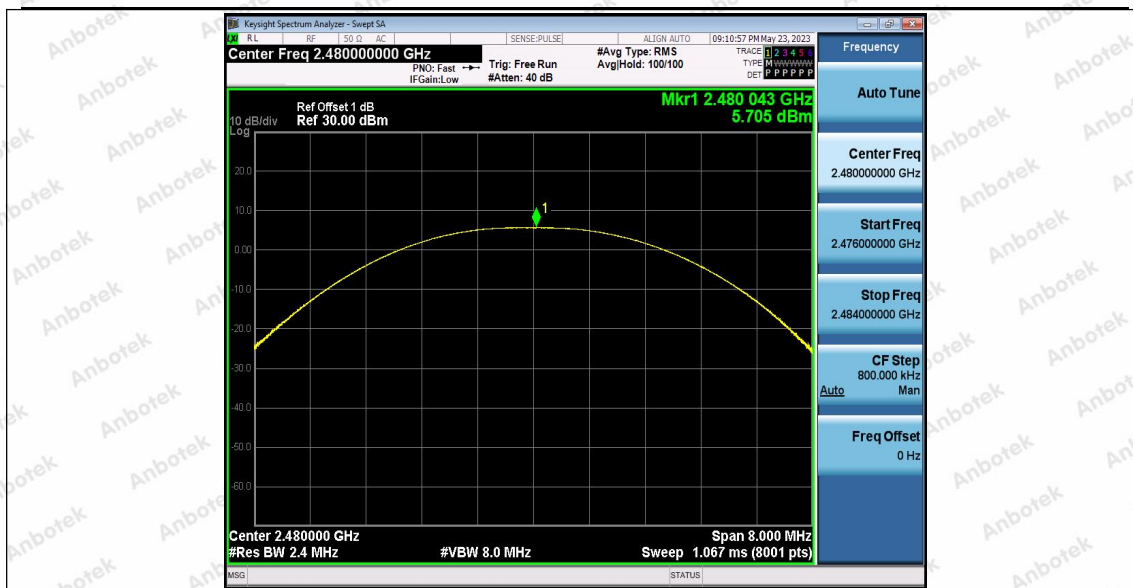
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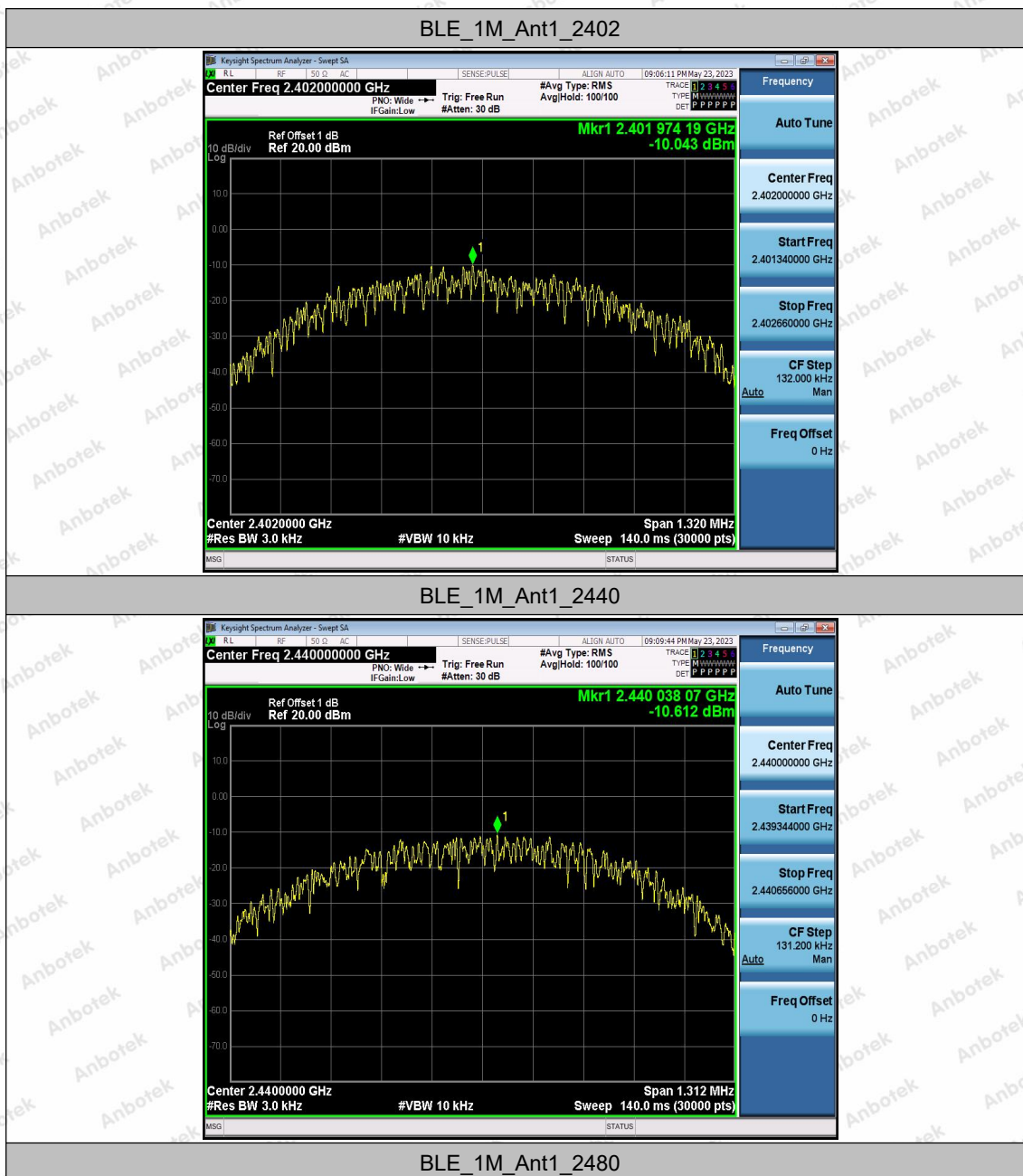
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.04	≤8.00	PASS
		2440	-10.61	≤8.00	PASS
		2480	-9.25	≤8.00	PASS



Test Graphs



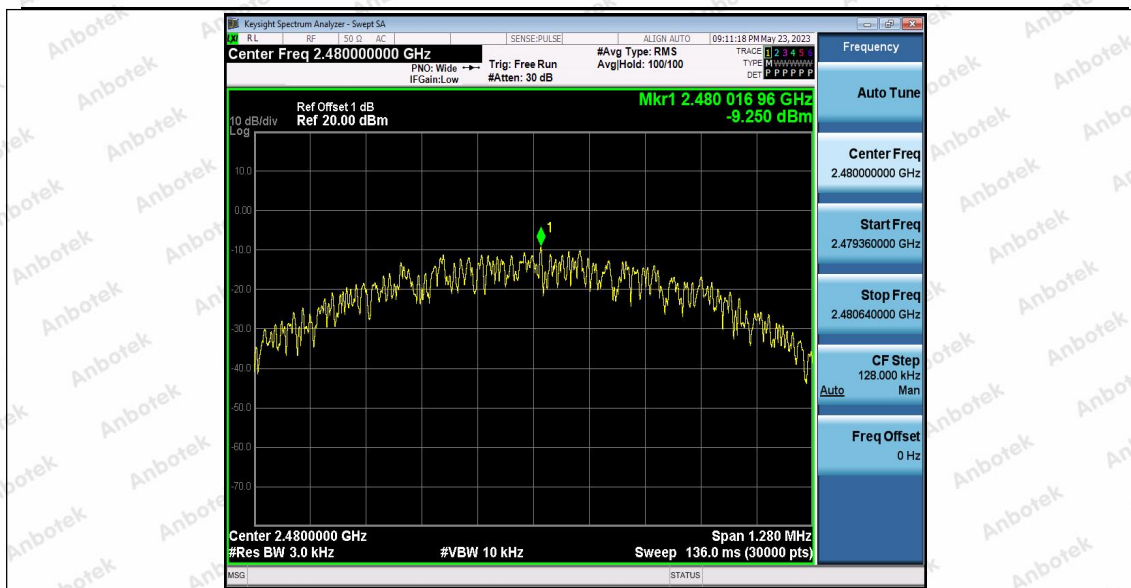
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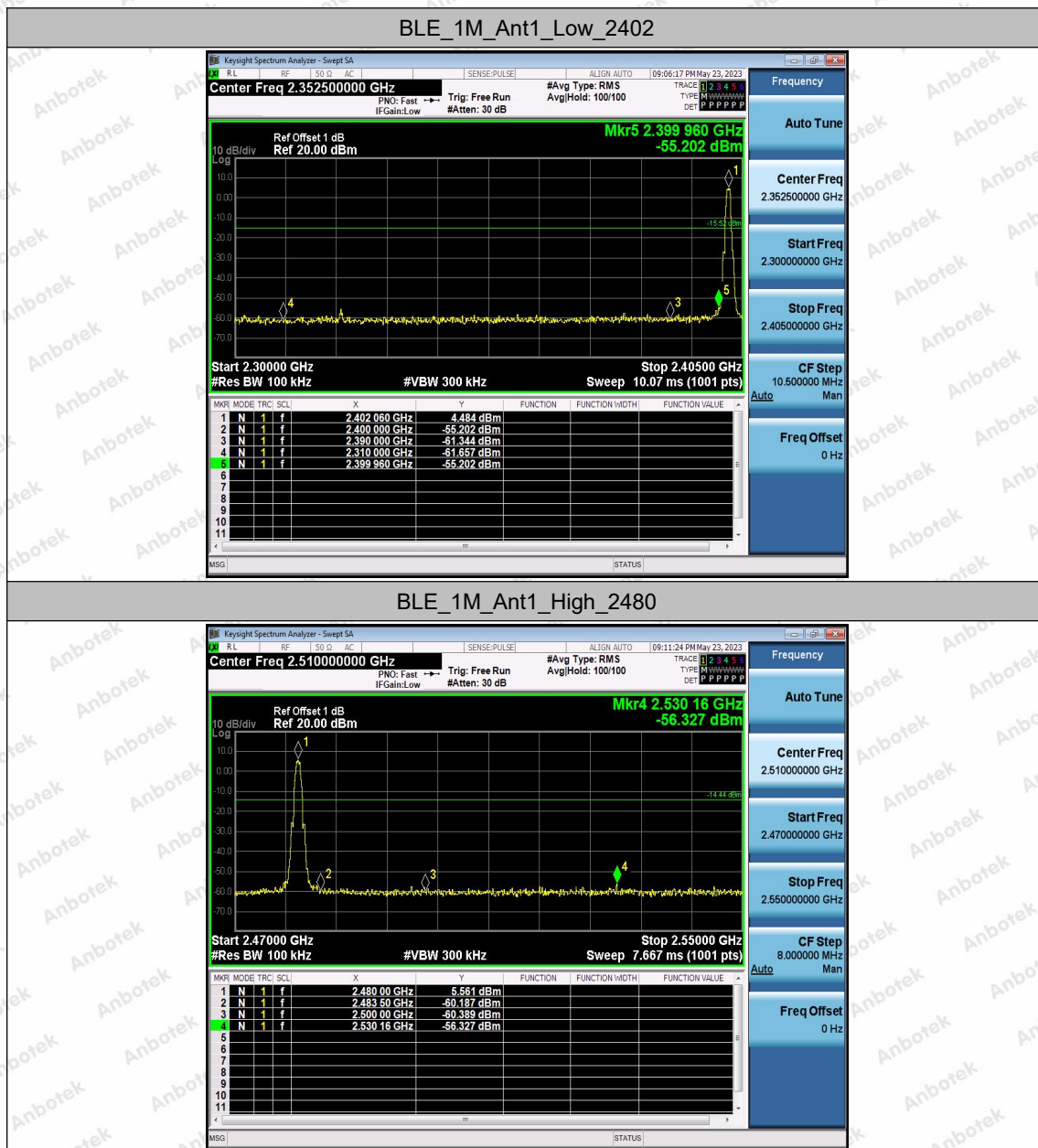


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.48	-55.2	≤-15.52	PASS
		High	2480	5.56	-56.33	≤-14.44	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	3.76	3.76	---	PASS
			30~1000	3.76	-65.52	≤-16.24	PASS
			1000~26500	3.76	-52.95	≤-16.24	PASS
		2440	Reference	4.71	4.71	---	PASS
			30~1000	4.71	-65.34	≤-15.29	PASS
			1000~26500	4.71	-53.53	≤-15.29	PASS
		2480	Reference	4.13	4.13	---	PASS
			30~1000	4.13	-64.21	≤-15.87	PASS
			1000~26500	4.13	-52.33	≤-15.87	PASS

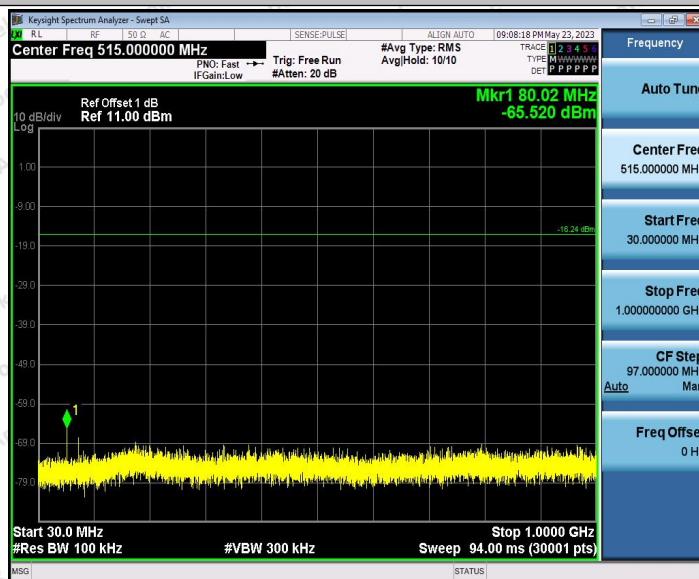


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

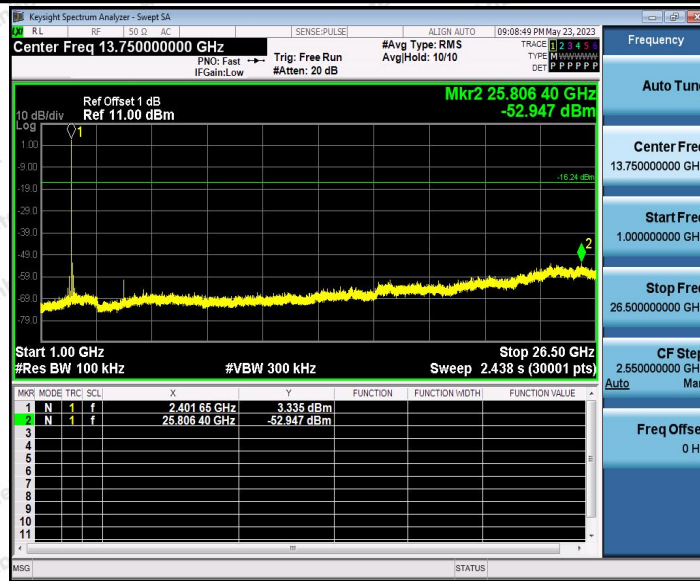
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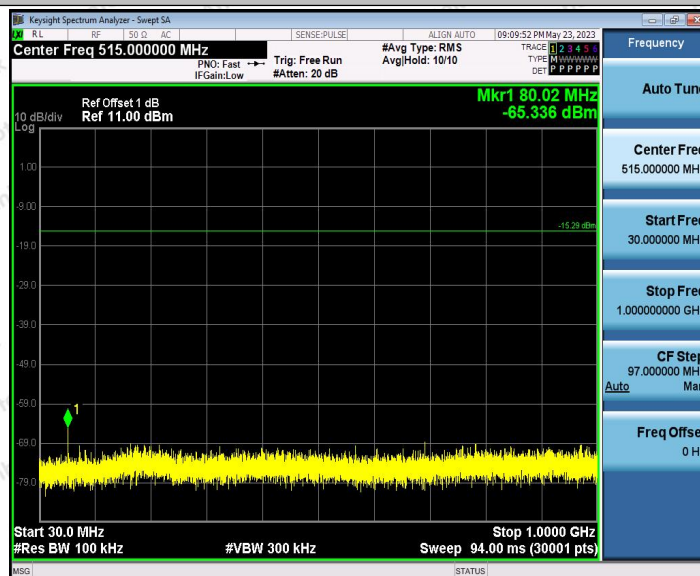




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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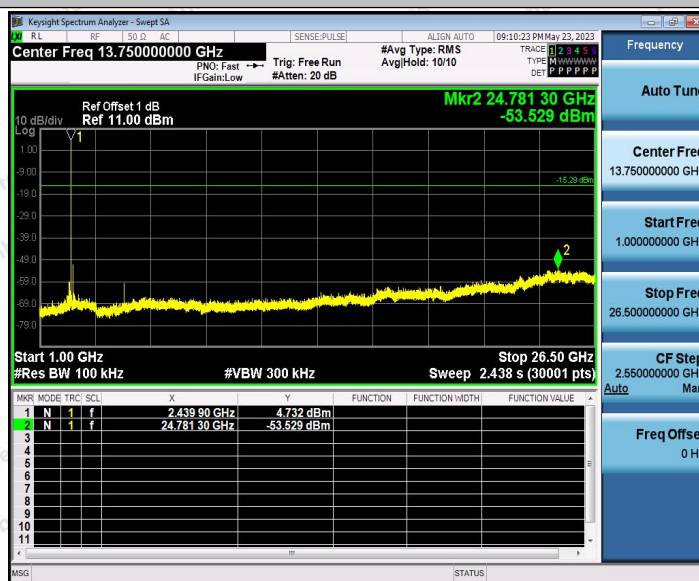
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

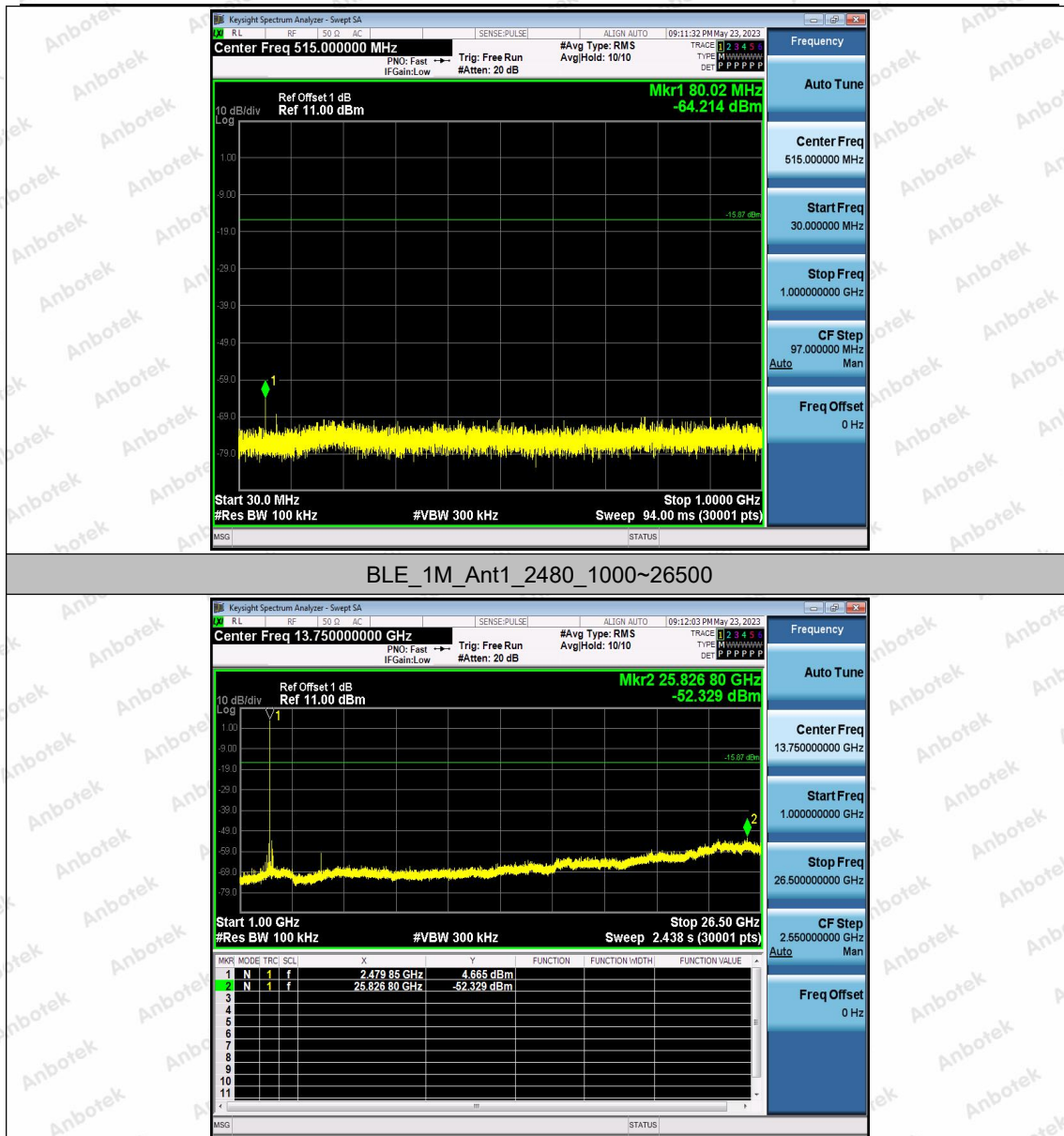
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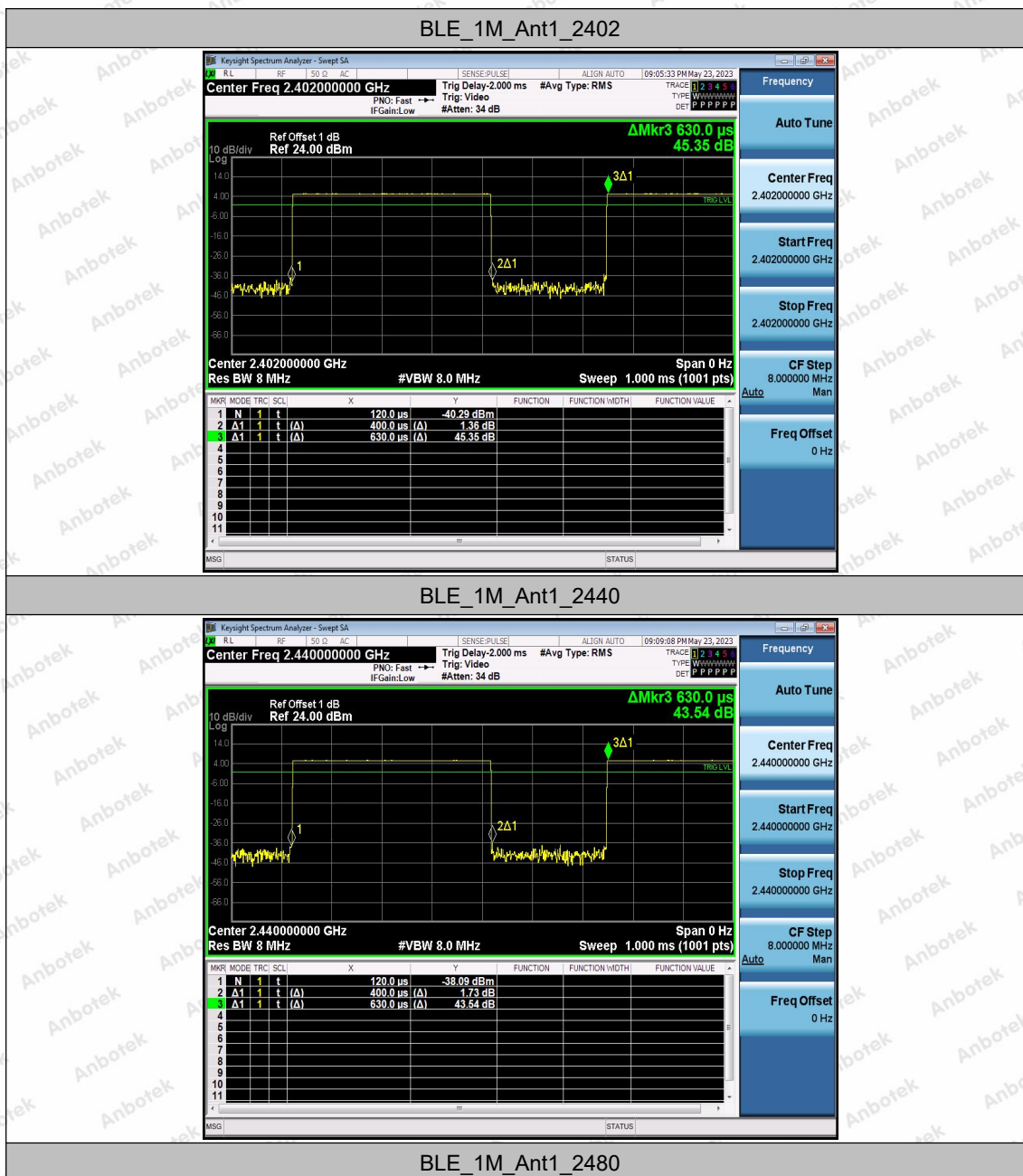
Appendix G: Duty Cycle

Test Result

Test Mode	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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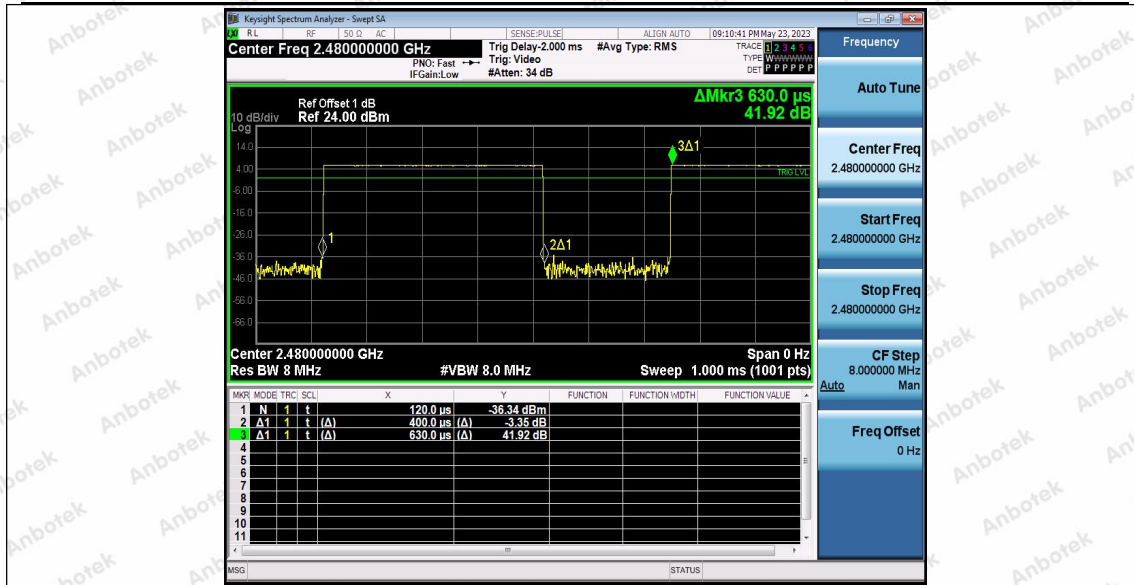


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