

Appendix Test Data

Report No.:	18220WC30075001	Test Sample No.:	1-2-2
Start Test Date:	2023.04.28	Finish Test Date:	2023.05.23
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	23.8℃	Relative Humidity:	45%
Pressure:	1012 hPa		

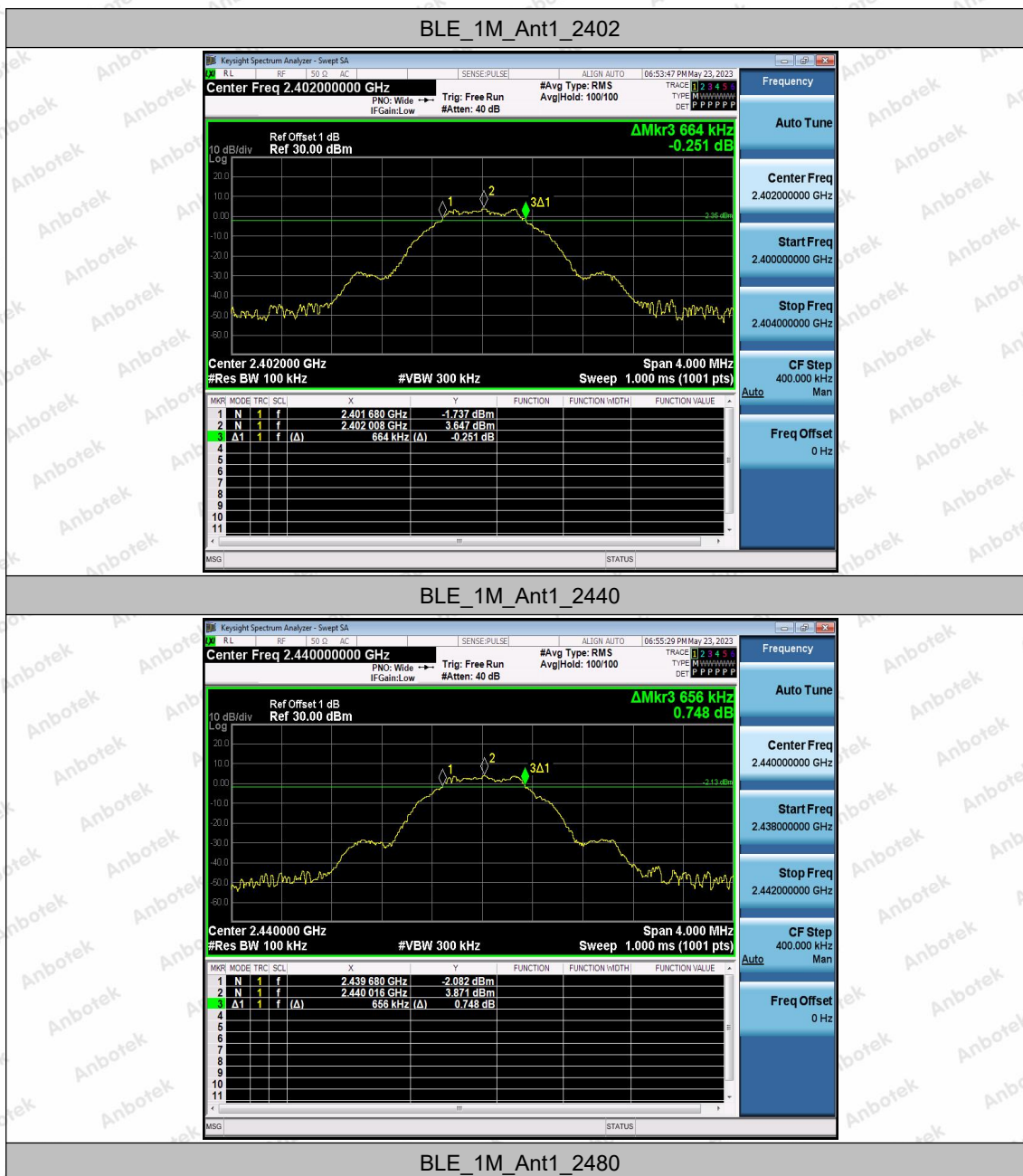
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.664	2401.680	2402.344	0.5	PASS
		2440	0.656	2439.680	2440.336	0.5	PASS
		2480	0.660	2479.680	2480.340	0.5	PASS



Test Graphs



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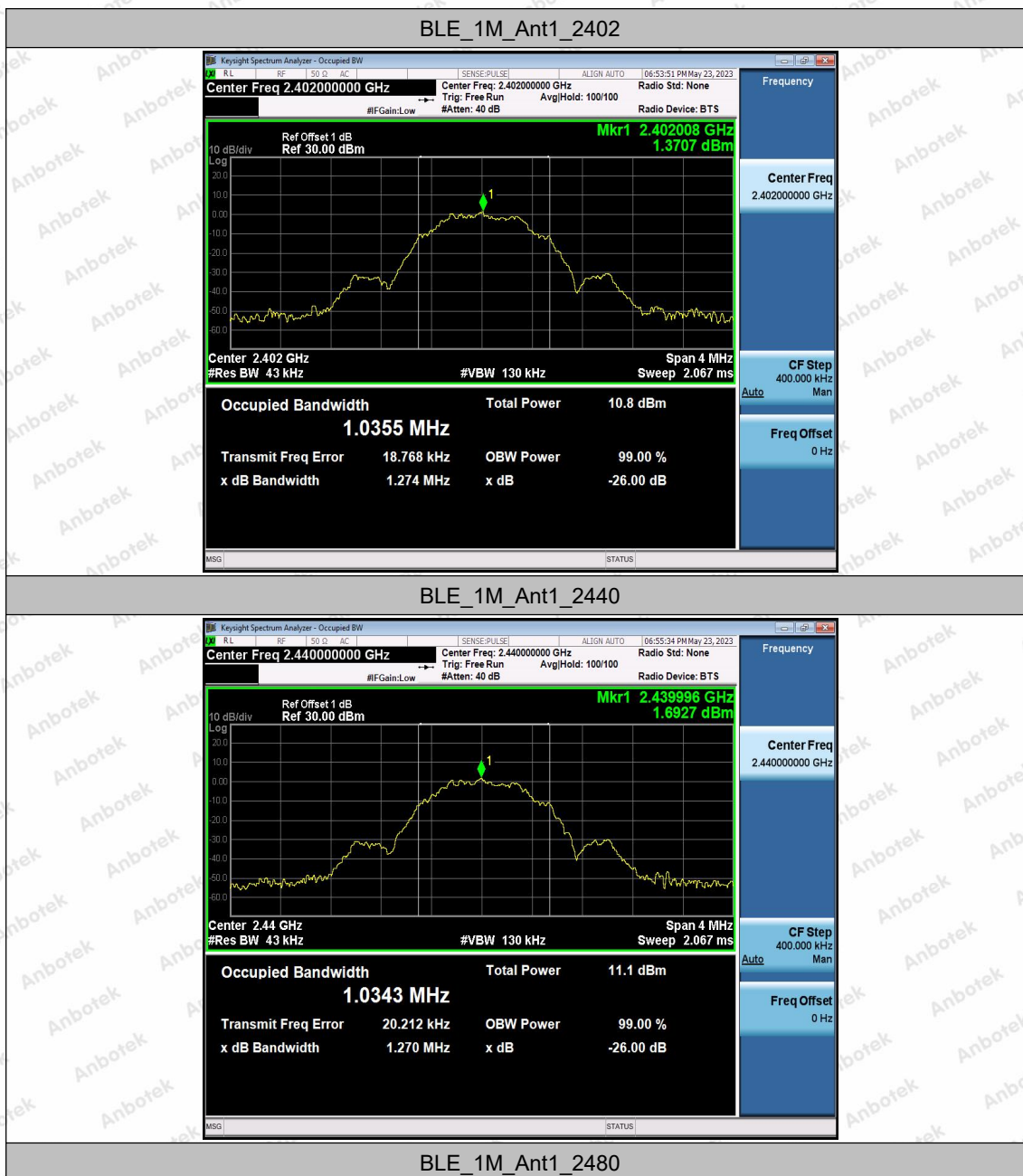
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0355	2401.5010	2402.5365
		2440	1.0343	2439.5031	2440.5374
		2480	1.0321	2479.5008	2480.5329



Test Graphs



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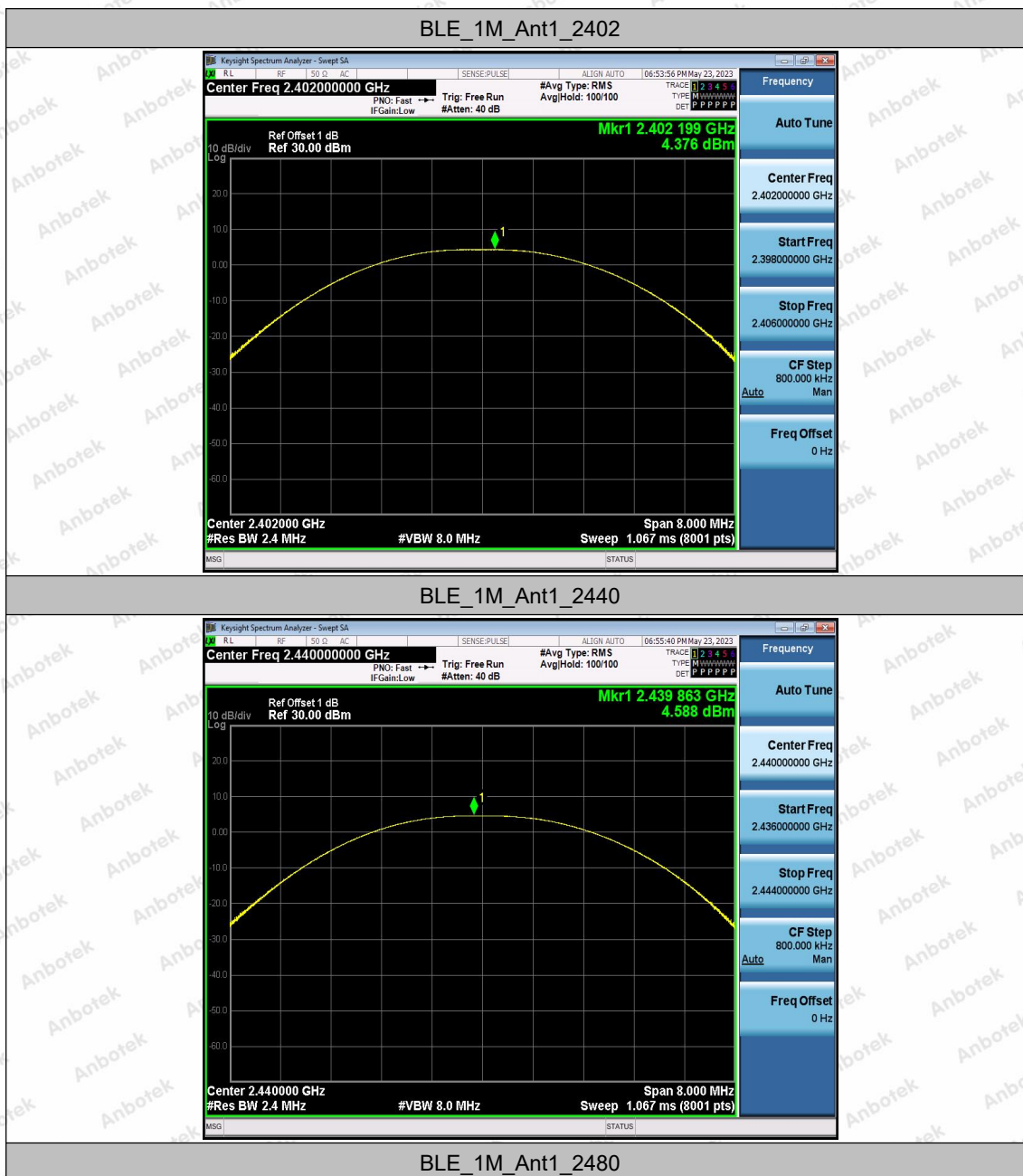
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.38	≤30	PASS
		2440	4.59	≤30	PASS
		2480	4.13	≤30	PASS



Test Graphs Peak



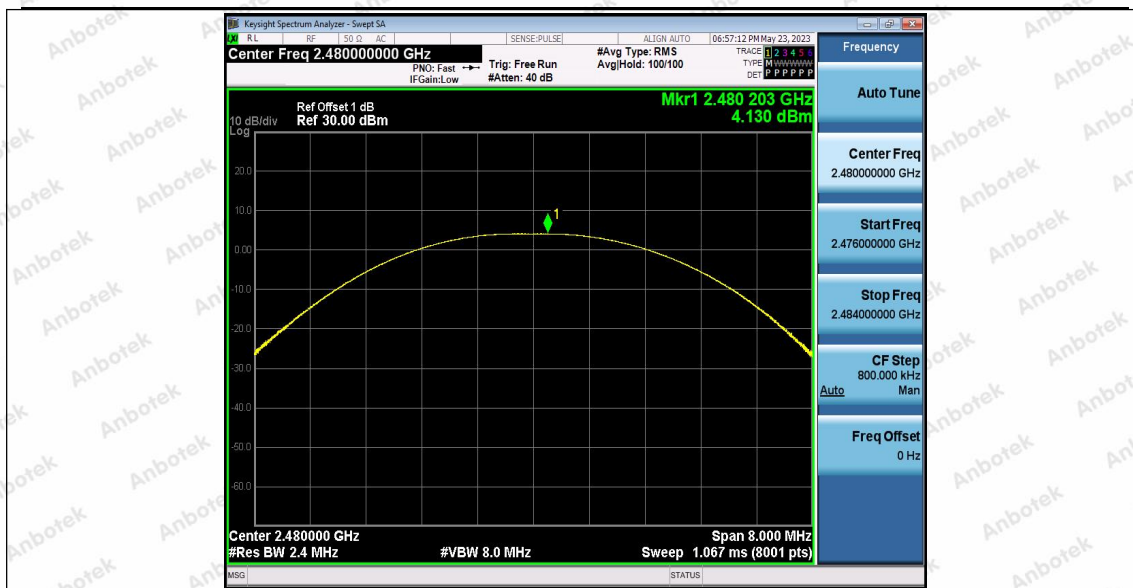
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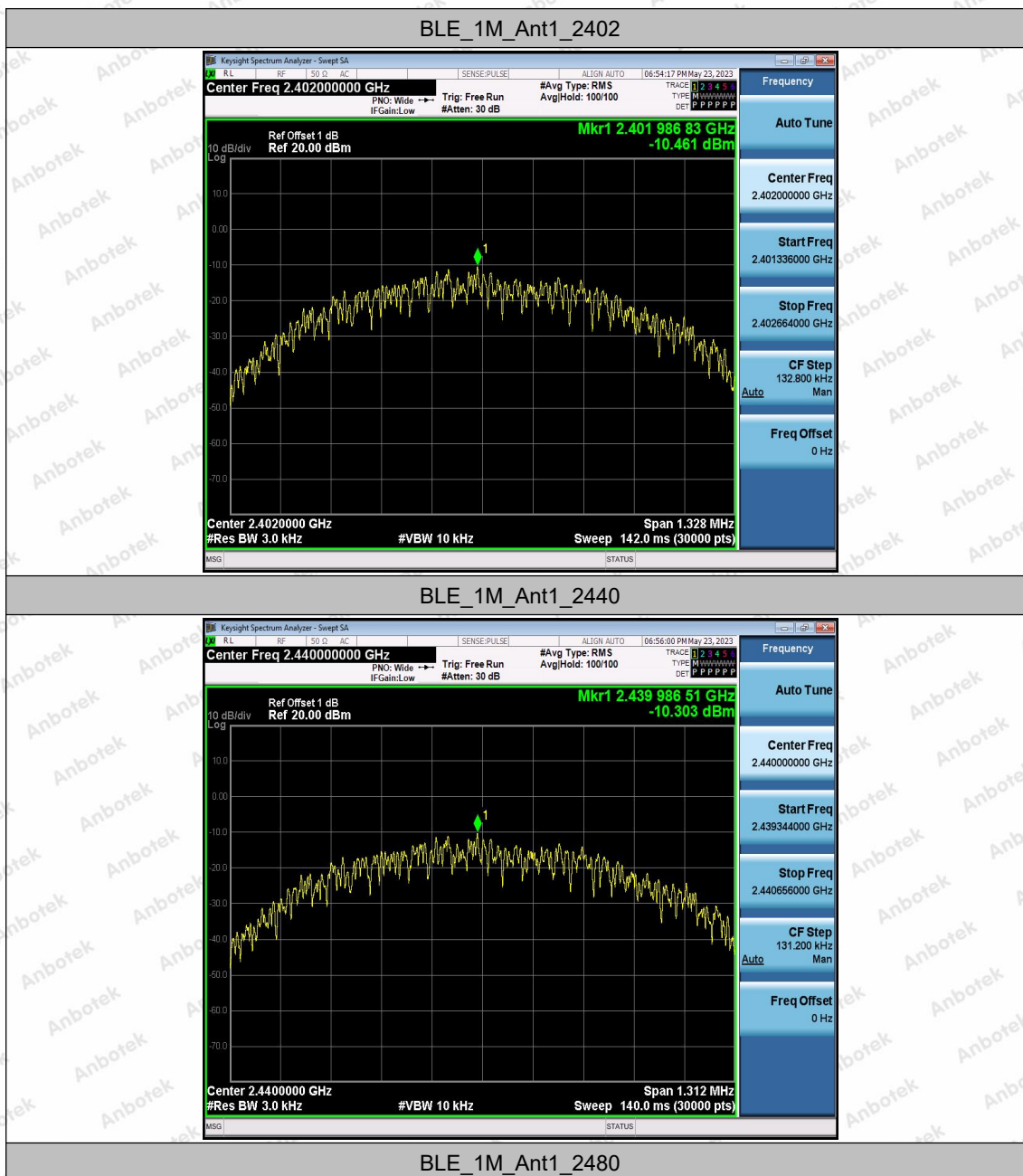
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.46	≤8.00	PASS
		2440	-10.3	≤8.00	PASS
		2480	-10.69	≤8.00	PASS



Test Graphs



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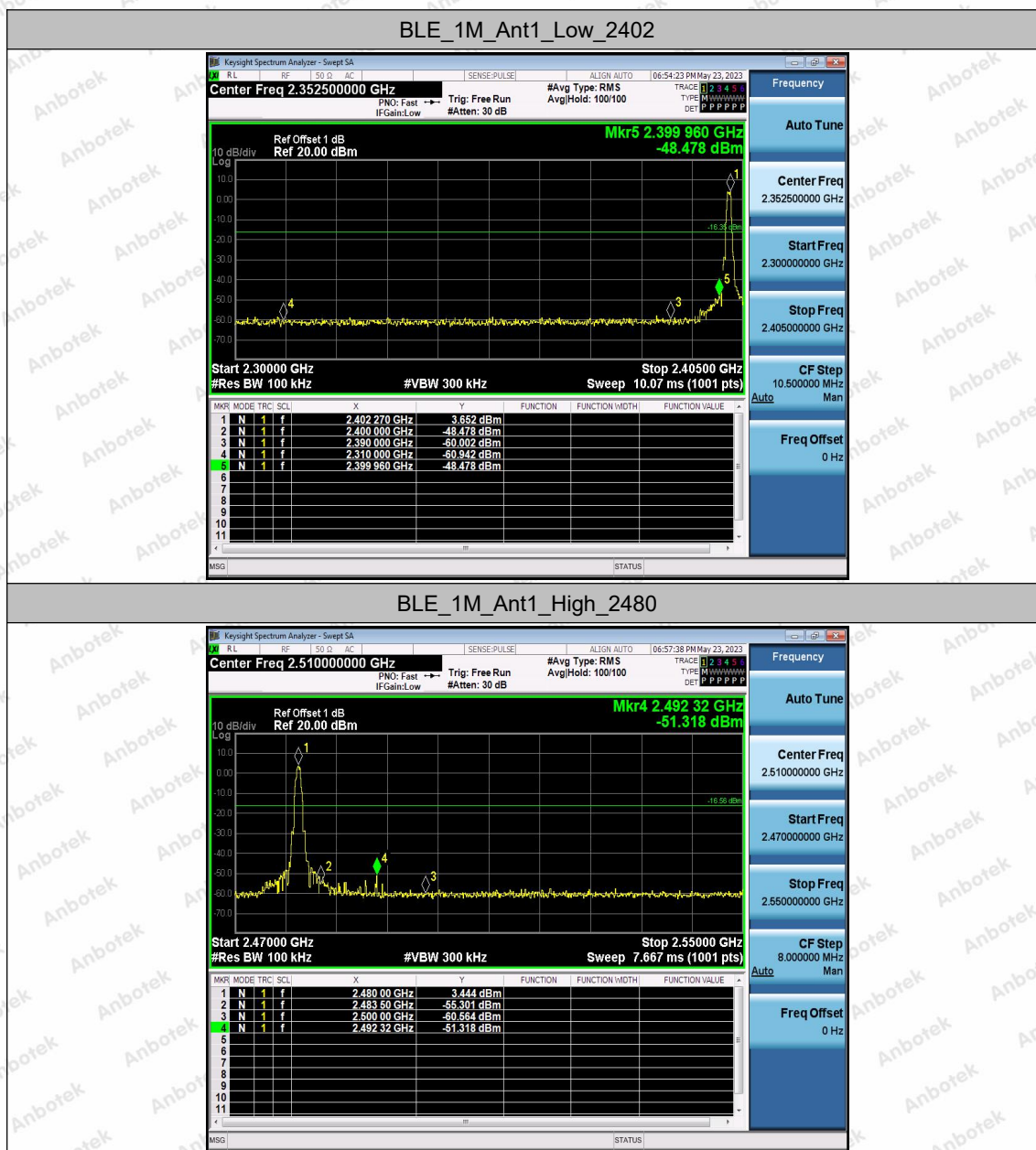


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.65	-48.48	≤-16.35	PASS
		High	2480	3.44	-51.32	≤-16.56	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	2.67	2.67	---	PASS
			30~1000	2.67	-42.68	≤-17.33	PASS
			1000~26500	2.67	-52.66	≤-17.33	PASS
		2440	Reference	2.97	2.97	---	PASS
			30~1000	2.97	-42.61	≤-17.03	PASS
			1000~26500	2.97	-53.53	≤-17.03	PASS
		2480	Reference	2.76	2.76	---	PASS
			30~1000	2.76	-42.57	≤-17.24	PASS
			1000~26500	2.76	-53.39	≤-17.24	PASS

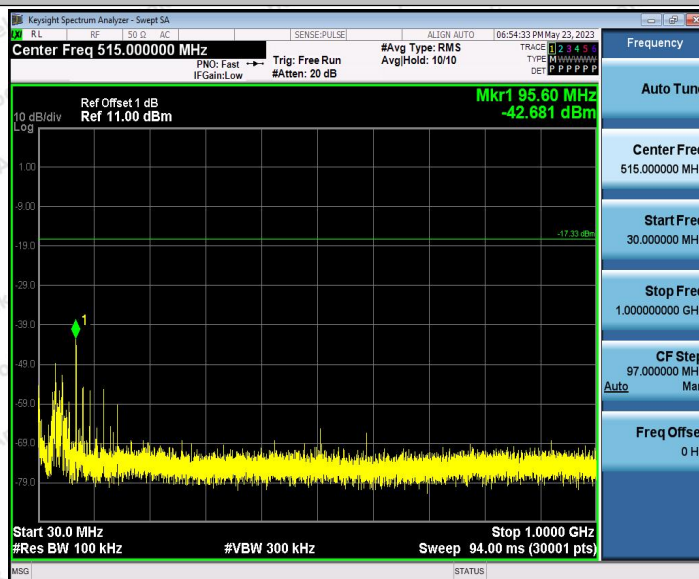


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

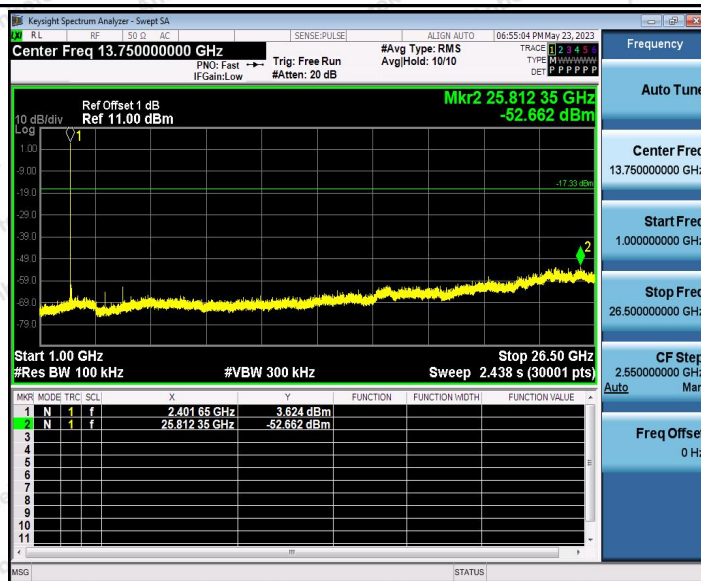
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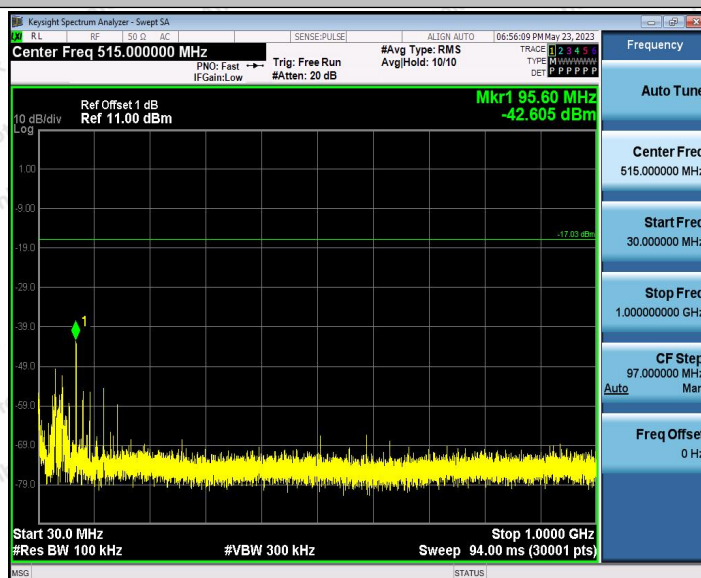




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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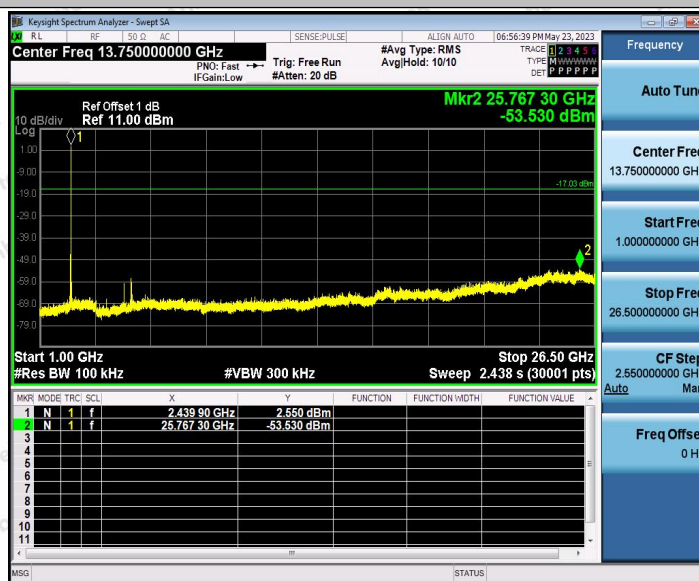
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

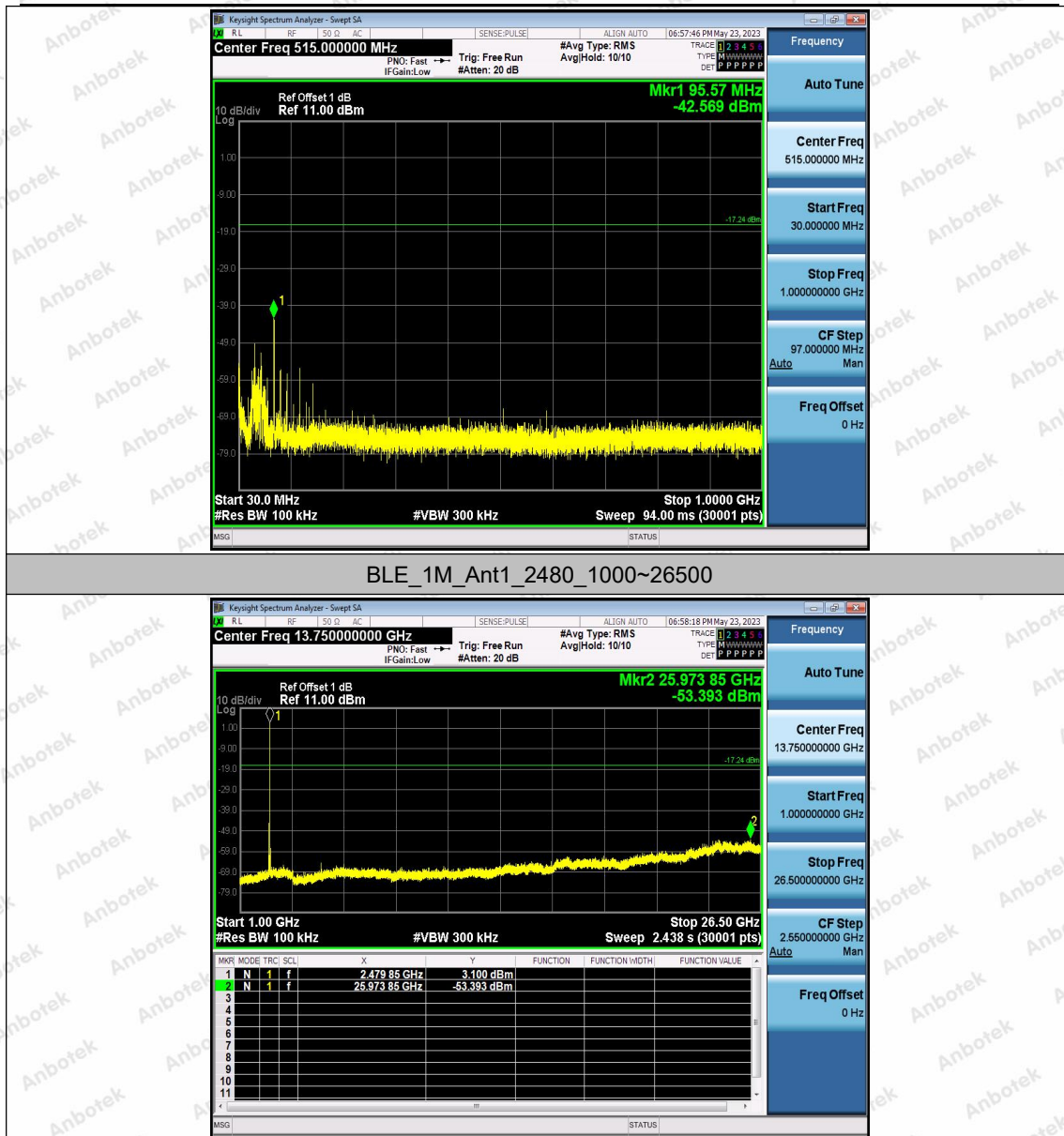
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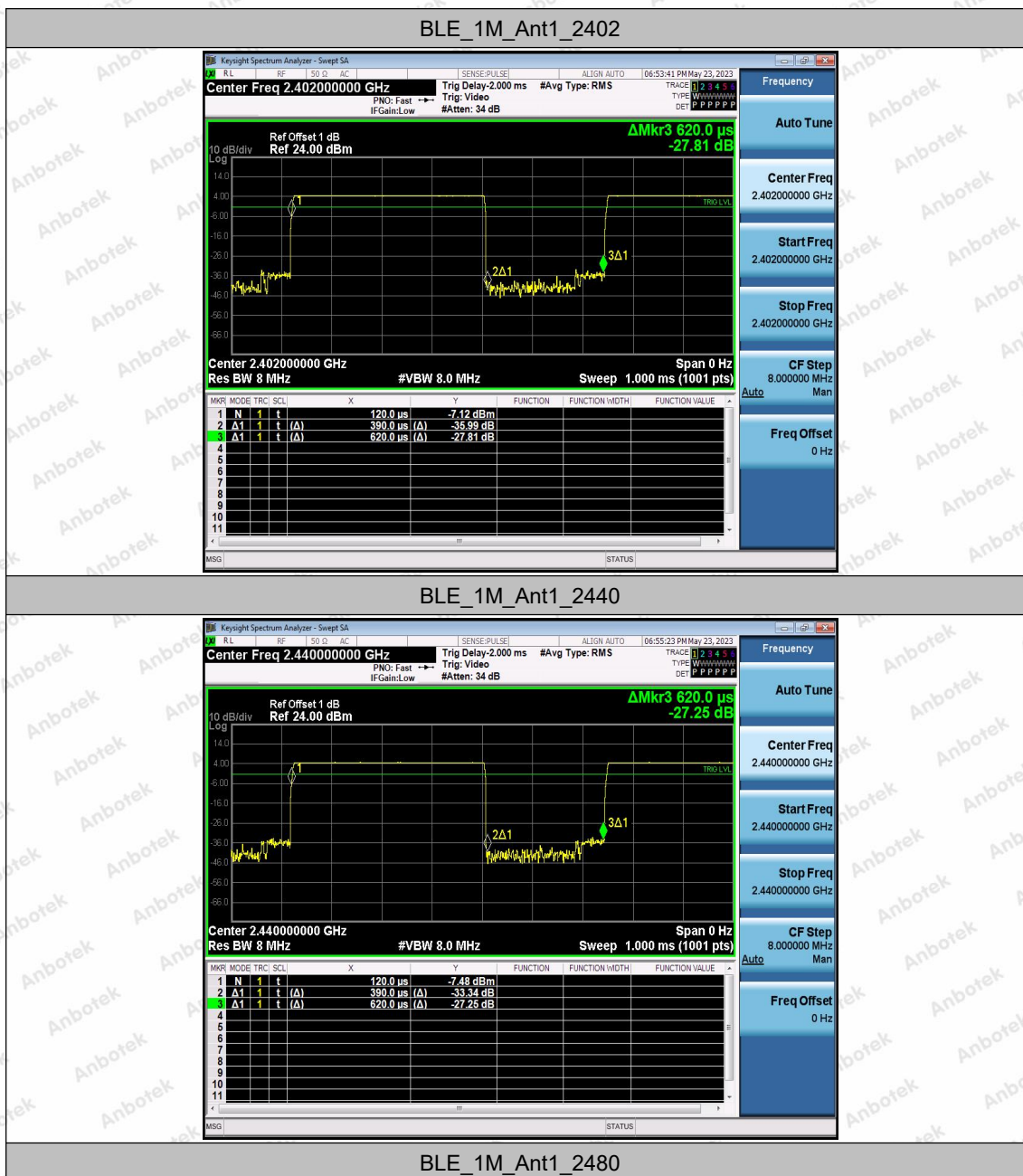
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.62	62.90	2.01
		2440	0.39	0.62	62.90	2.01
		2480	0.39	0.62	62.90	2.01



Test Graphs



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