

Appendix Test Data

Report No.:	78340WC30001902	Test Sample No.:	1-2-2
Start Test Date:	2023.03.06	Finish Test Date:	2023.03.06
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	23.2°C	Relative Humidity:	39%
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	0.696	2401.656	2402.352	0.5	PASS
		2440	0.708	2439.644	2440.352	0.5	PASS
		2480	0.676	2479.660	2480.336	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

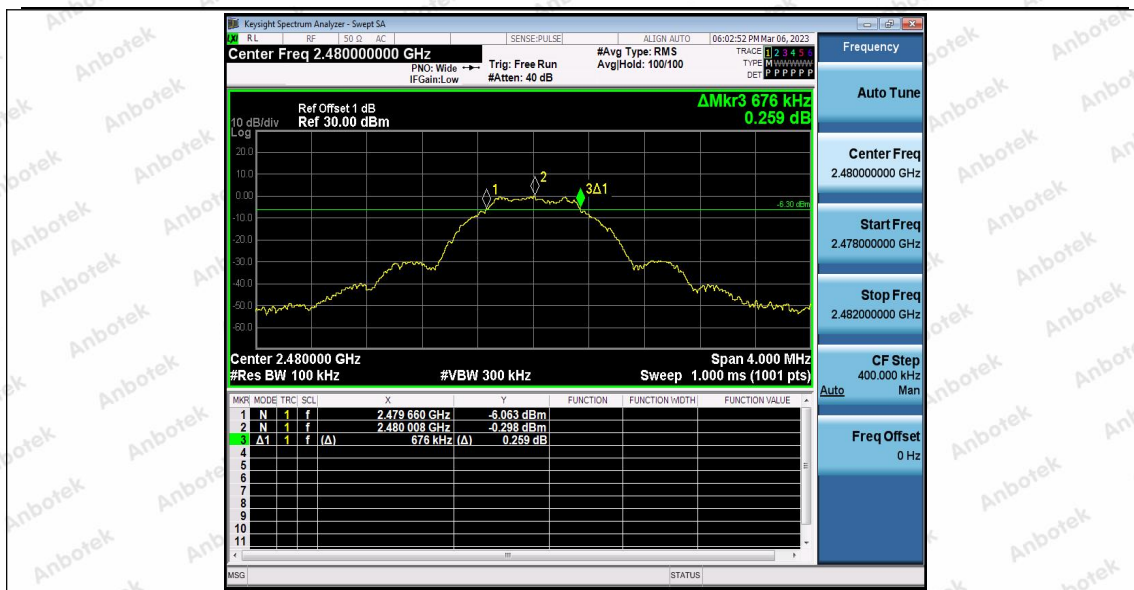
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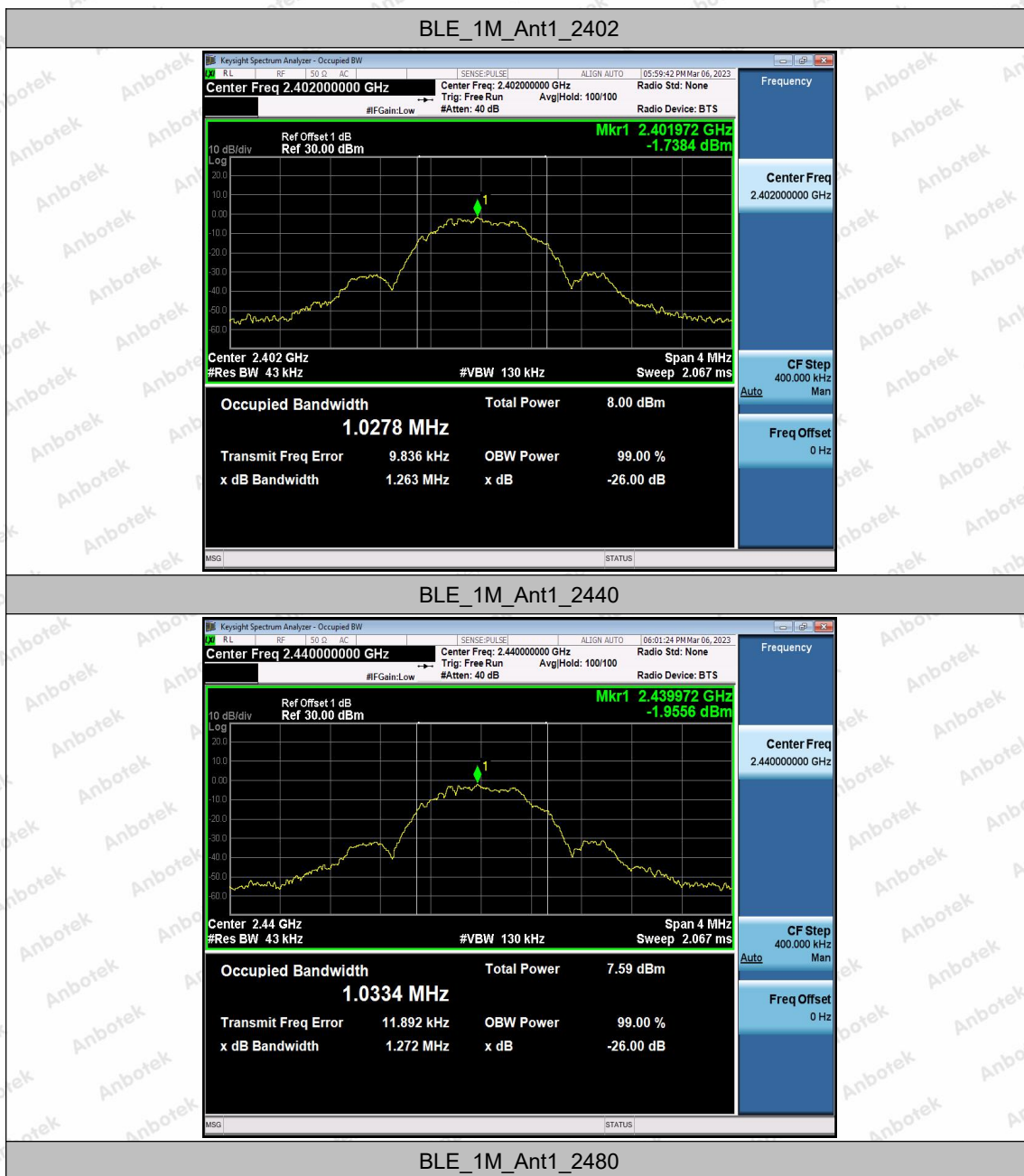
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0278	2401.4959	2402.5237
		2440	1.0334	2439.4952	2440.5286
		2480	1.0304	2479.4985	2480.5289



Test Graphs



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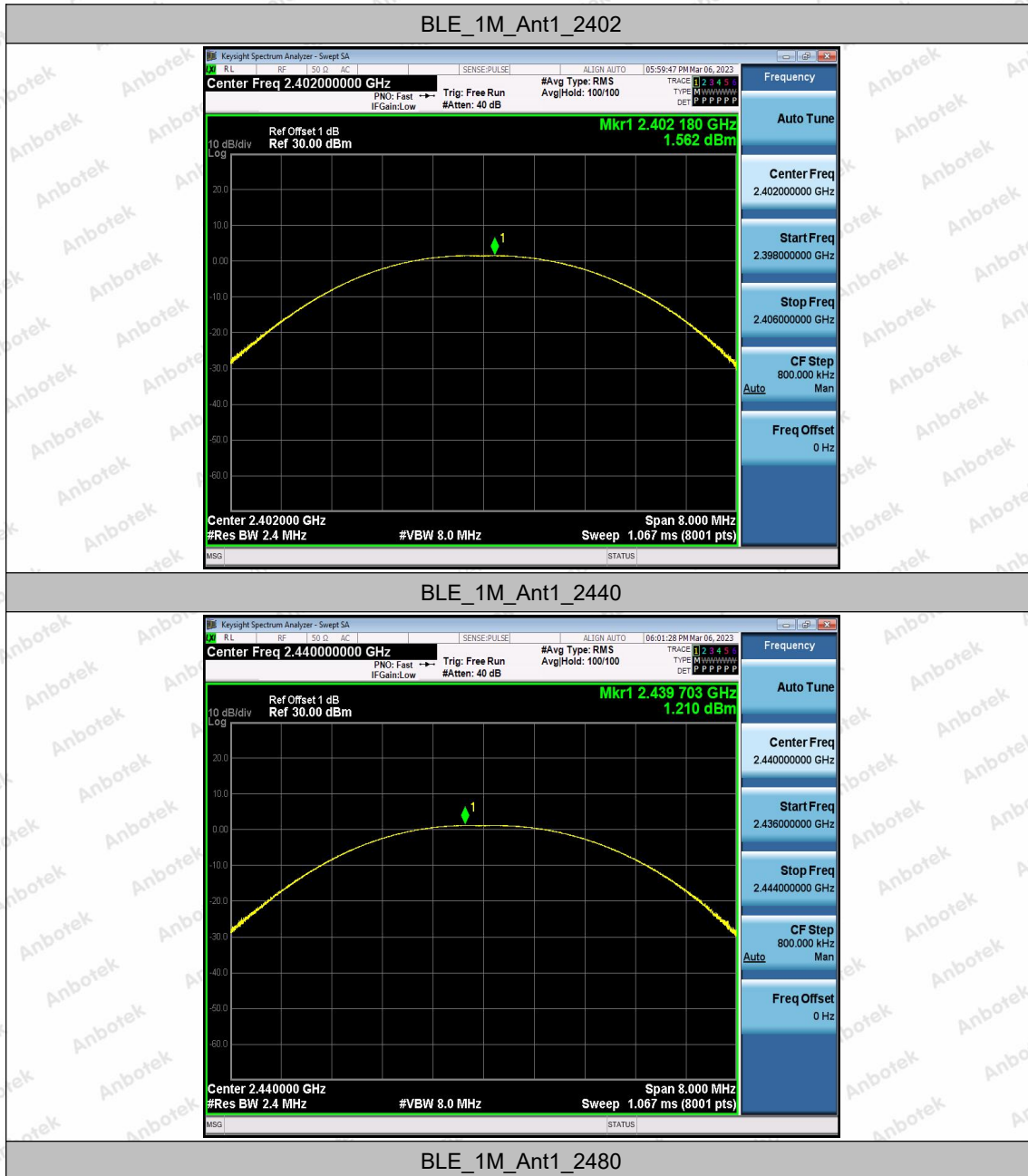
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.56	≤30	PASS
		2440	1.21	≤30	PASS
		2480	0.68	≤30	PASS



Test Graphs Peak



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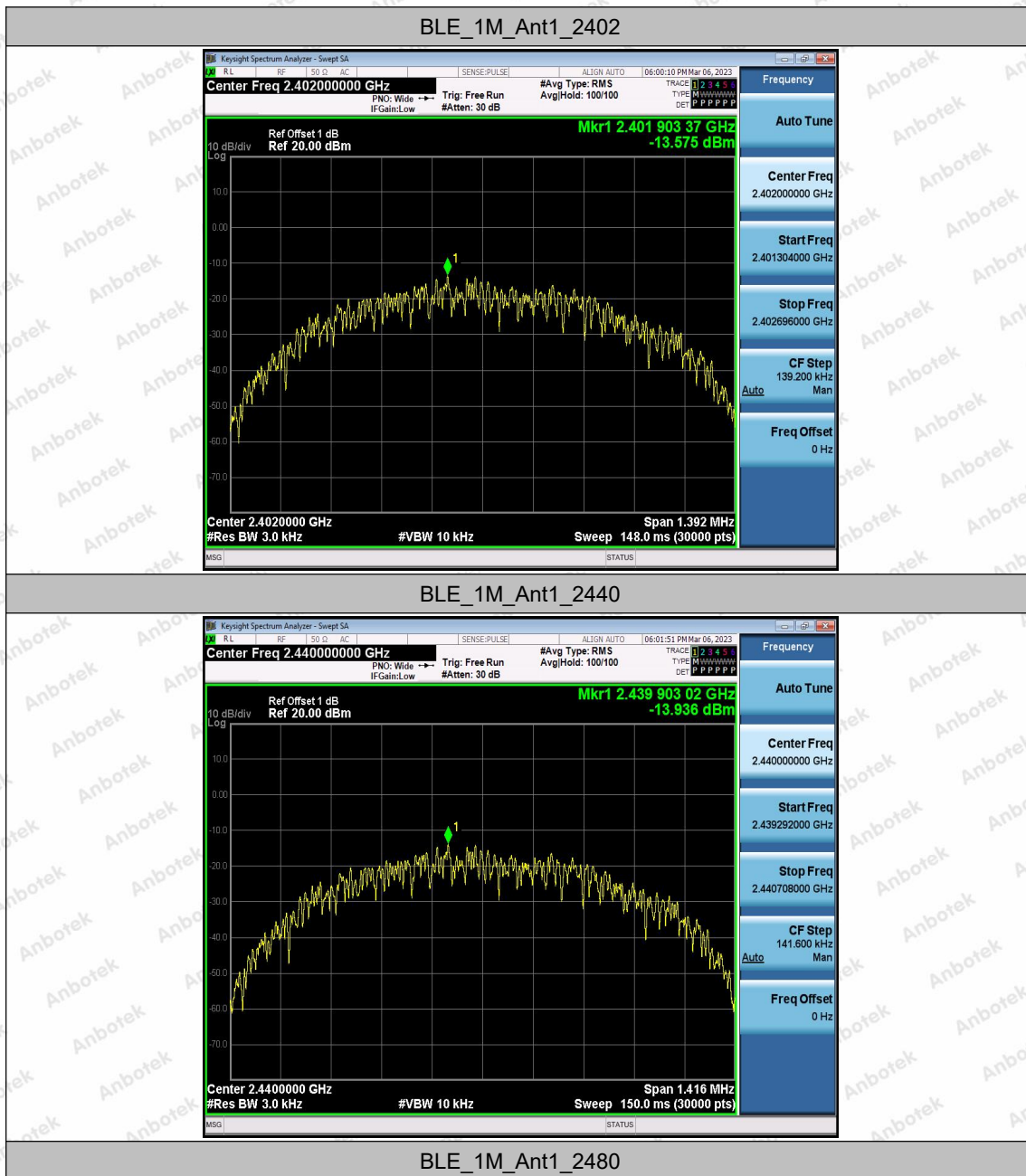
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.58	≤8.00	PASS
		2440	-13.94	≤8.00	PASS
		2480	-14.45	≤8.00	PASS



Test Graphs



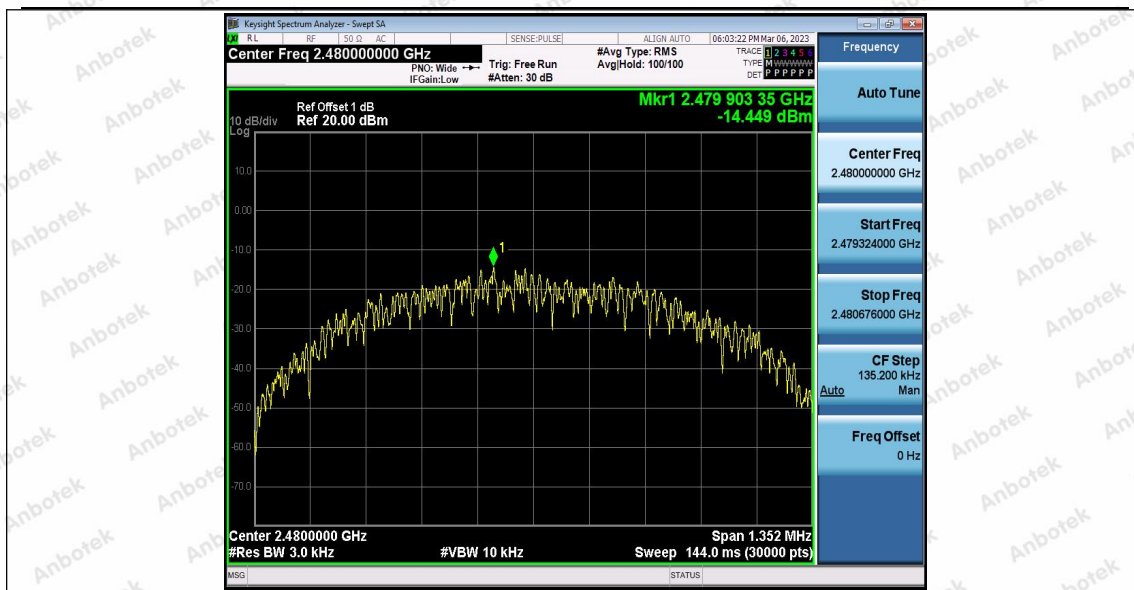
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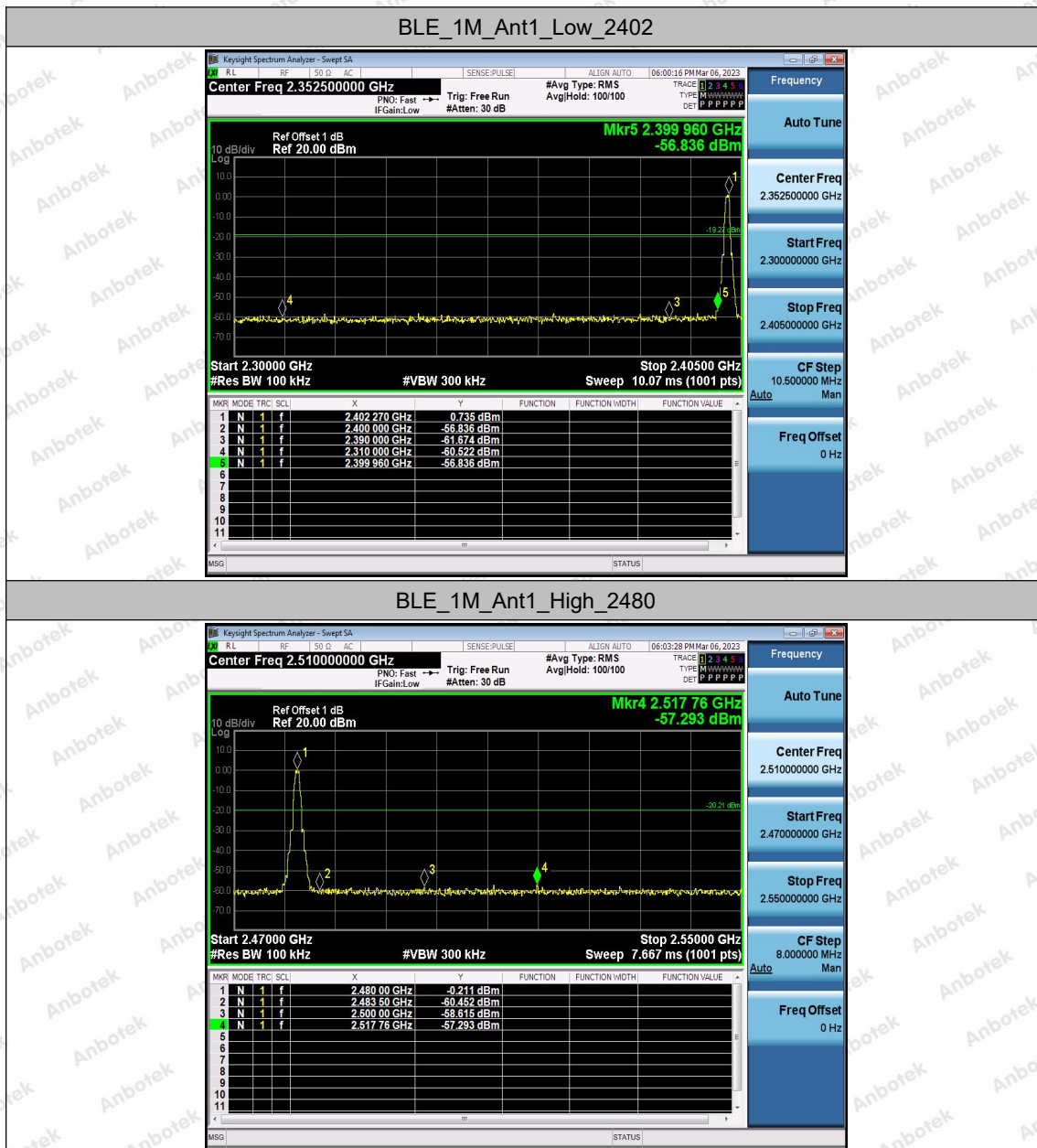
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.74	-56.84	≤-19.27	PASS
		High	2480	-0.21	-57.29	≤-20.21	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	-0.53	-0.53	---	PASS
			30~1000	-0.53	-69.01	≤-20.53	PASS
			1000~26500	-0.53	-53.28	≤-20.53	PASS
		2440	Reference	-1.13	-1.13	---	PASS
			30~1000	-1.13	-68.68	≤-21.13	PASS
			1000~26500	-1.13	-53.64	≤-21.13	PASS
		2480	Reference	-0.86	-0.86	---	PASS
			30~1000	-0.86	-69.42	≤-20.86	PASS
			1000~26500	-0.86	-53.62	≤-20.86	PASS

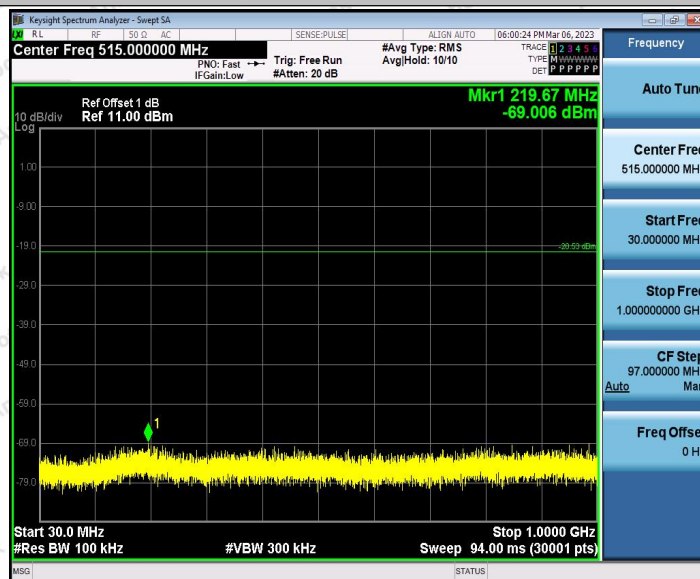


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

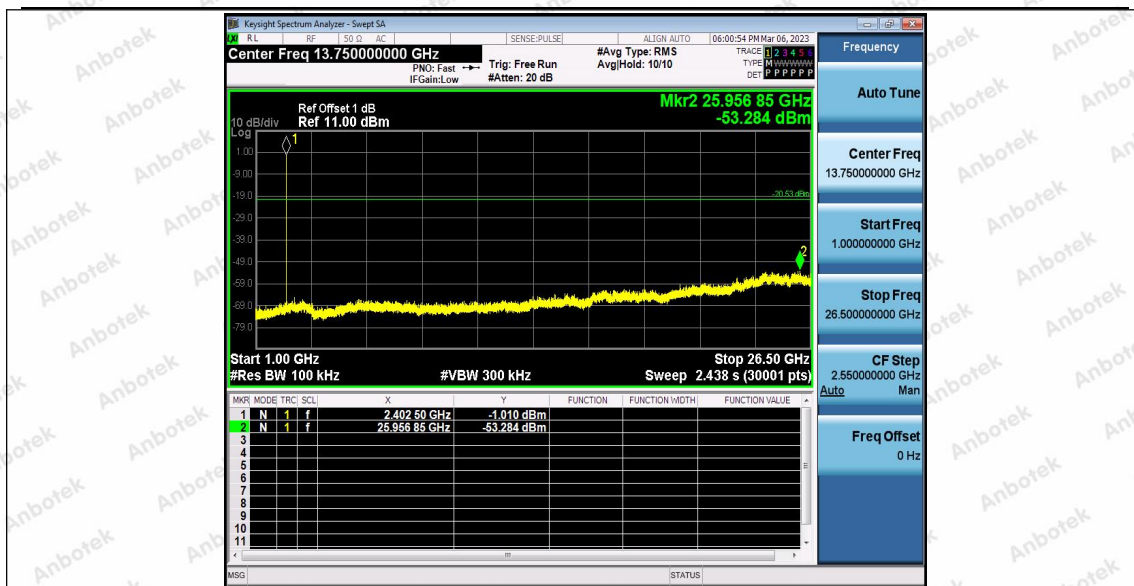
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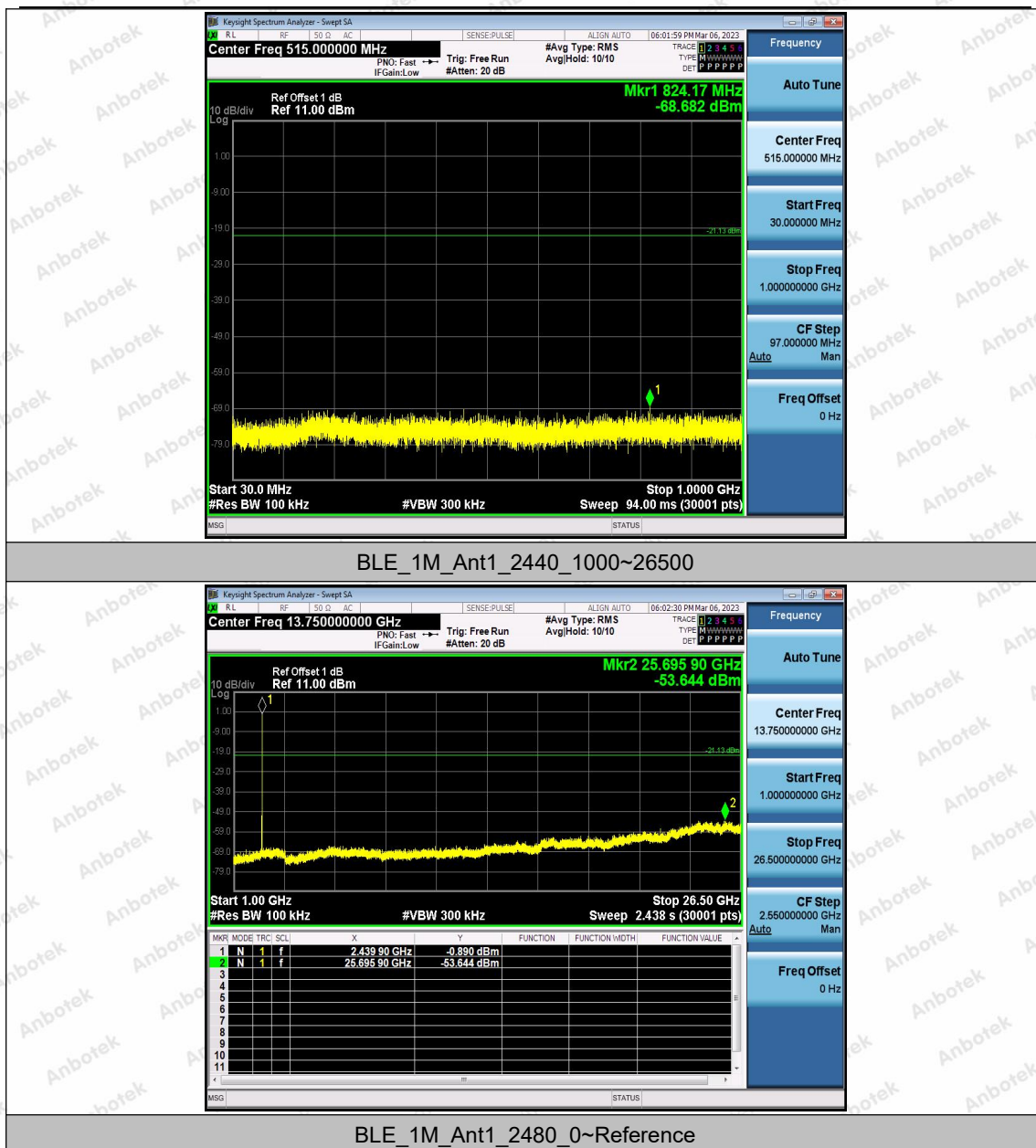


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



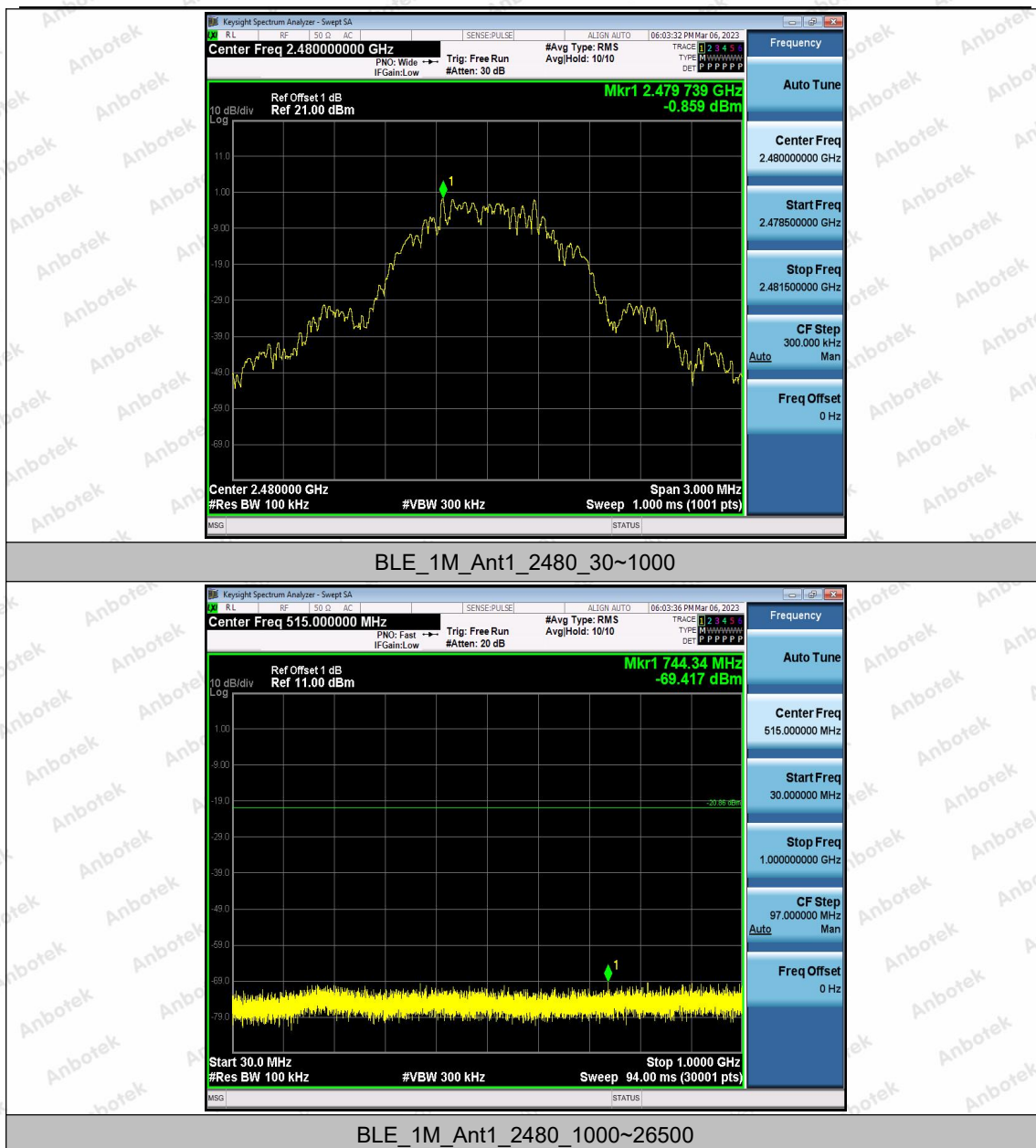
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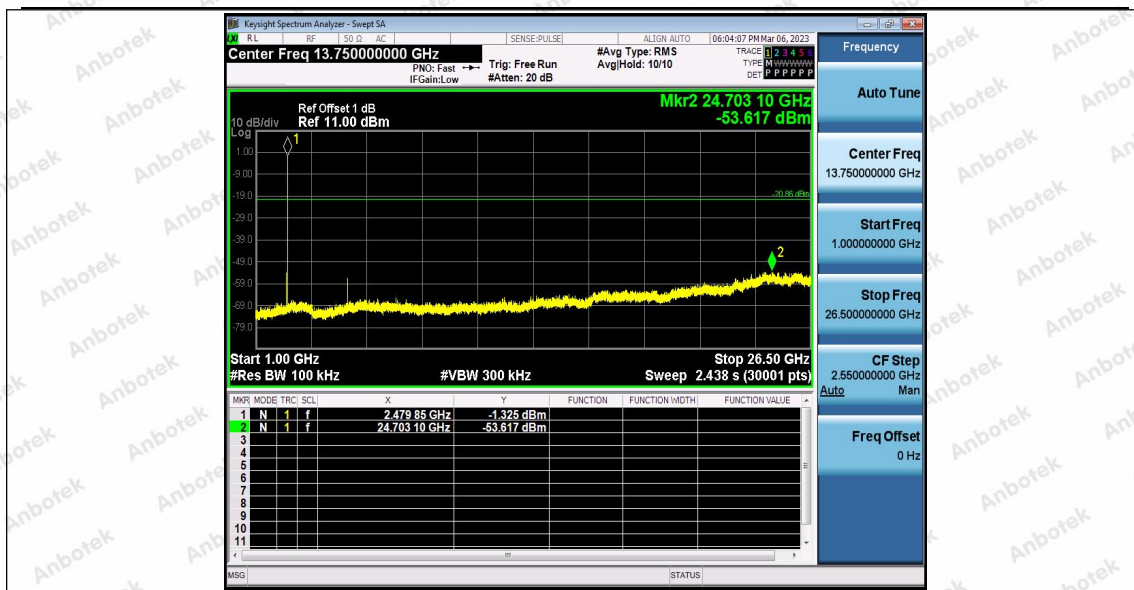
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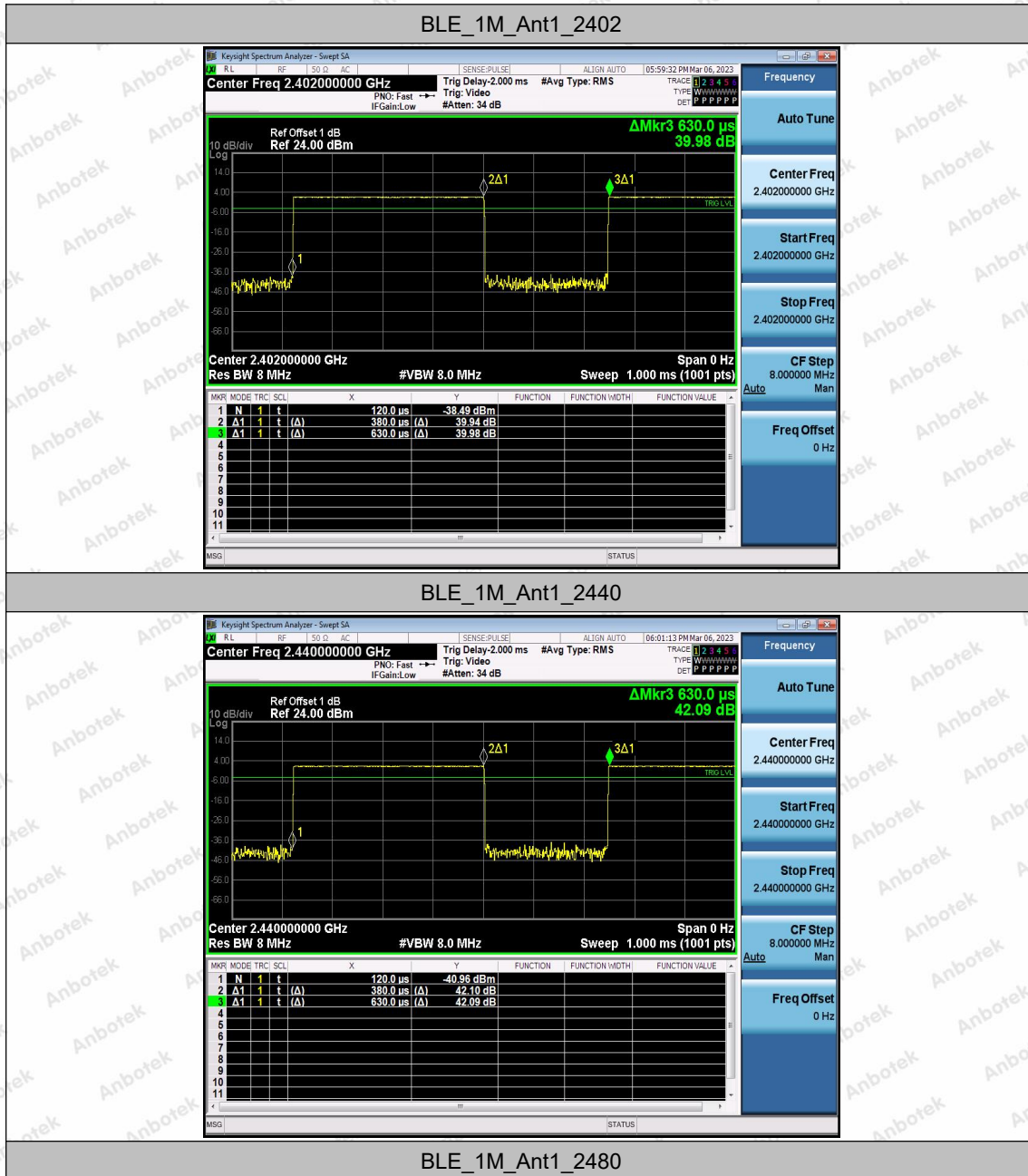
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	0.63	60.32	2.20
		2440	0.38	0.63	60.32	2.20
		2480	0.38	0.63	60.32	2.20



Test Graphs



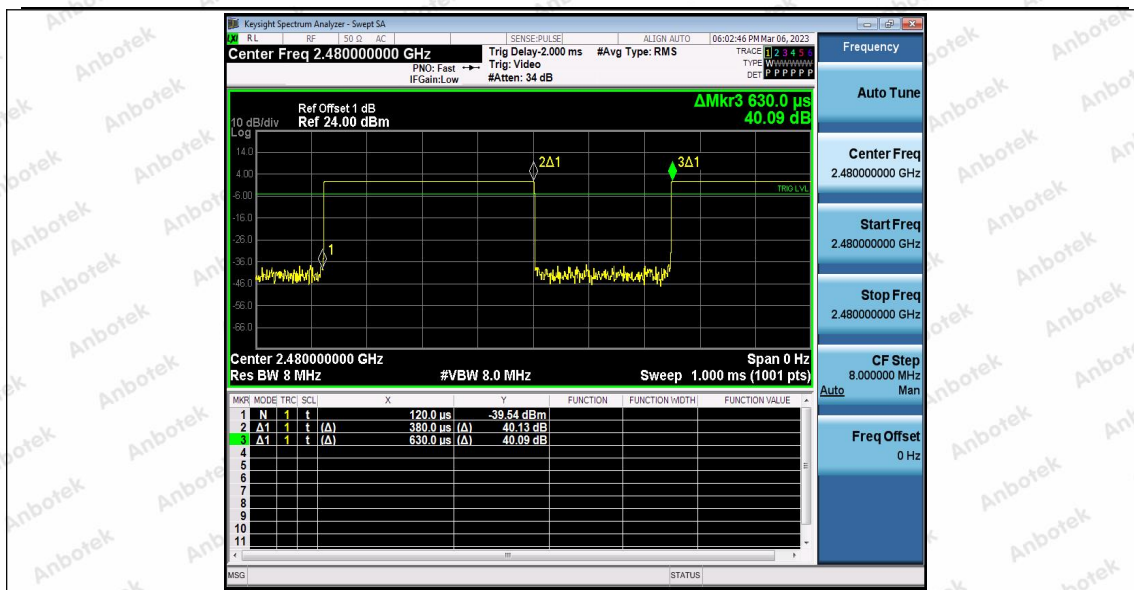
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