

Appendix Test Data

Report No.:	18220WC30007101	Test Sample No.:	1-2-2
Start Test Date:	2023.1.13	Finish Test Date:	2023.1.16
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	Relative Humidity:	47 %
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	2401.676	2402.336	0.5	PASS
		2440	0.708	2439.644	2440.352	0.5	PASS
		2480	0.684	2479.652	2480.336	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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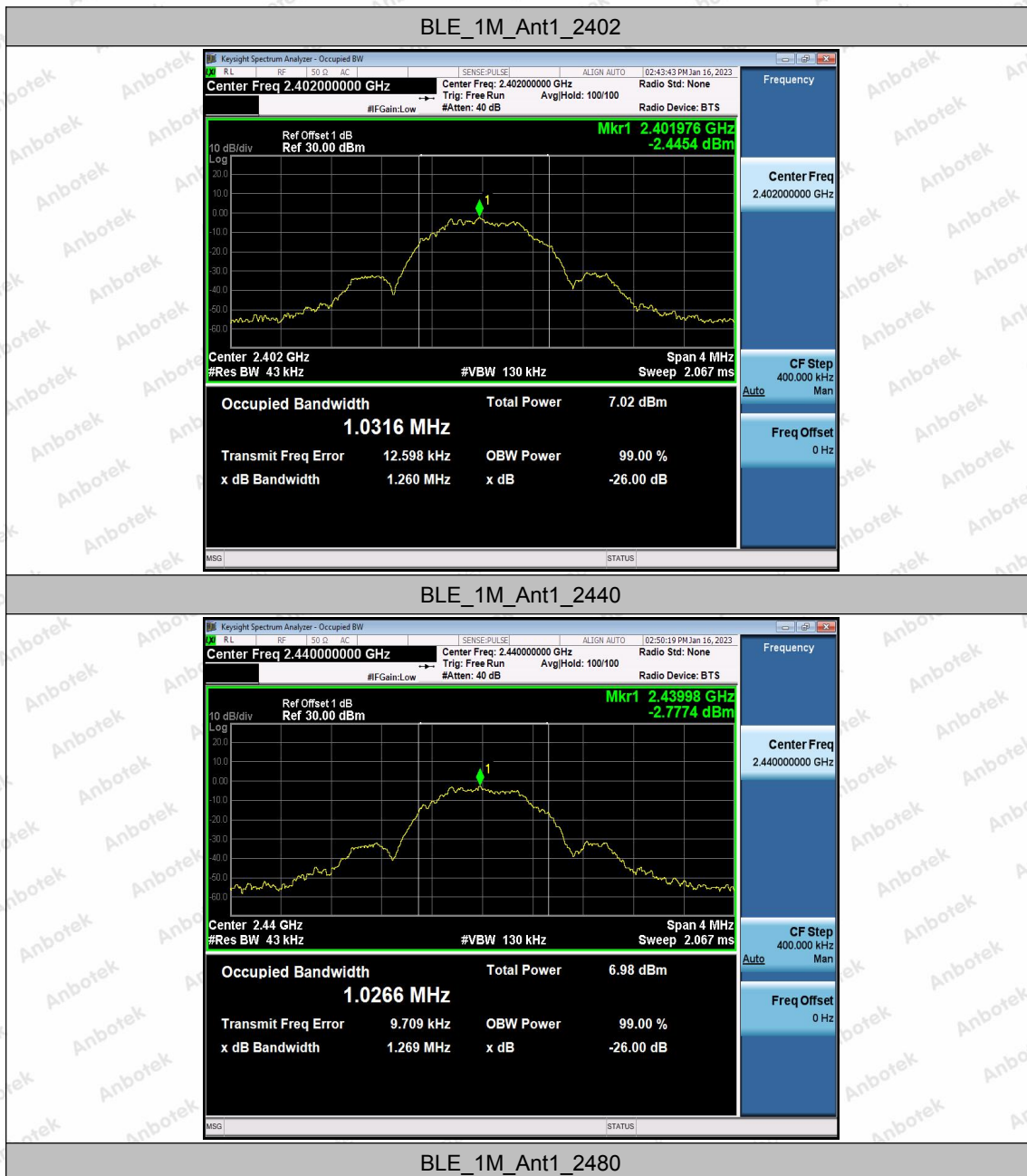
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0316	2401.4968	2402.5284
		2440	1.0266	2439.4964	2440.5230
		2480	1.0279	2479.4966	2480.5245



Test Graphs



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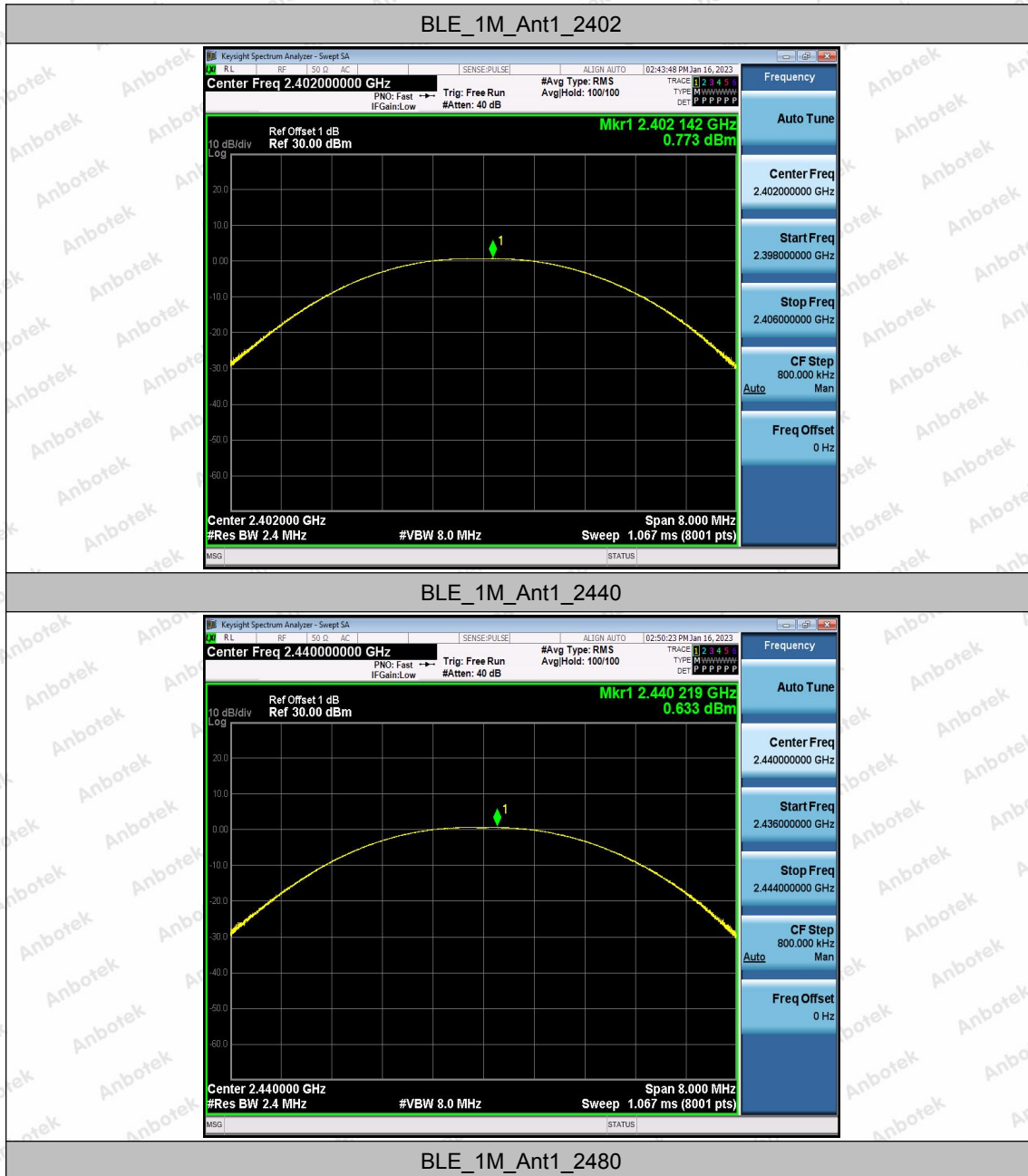
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.77	≤30	PASS
		2440	0.63	≤30	PASS
		2480	-0.64	≤30	PASS



Test Graphs Peak



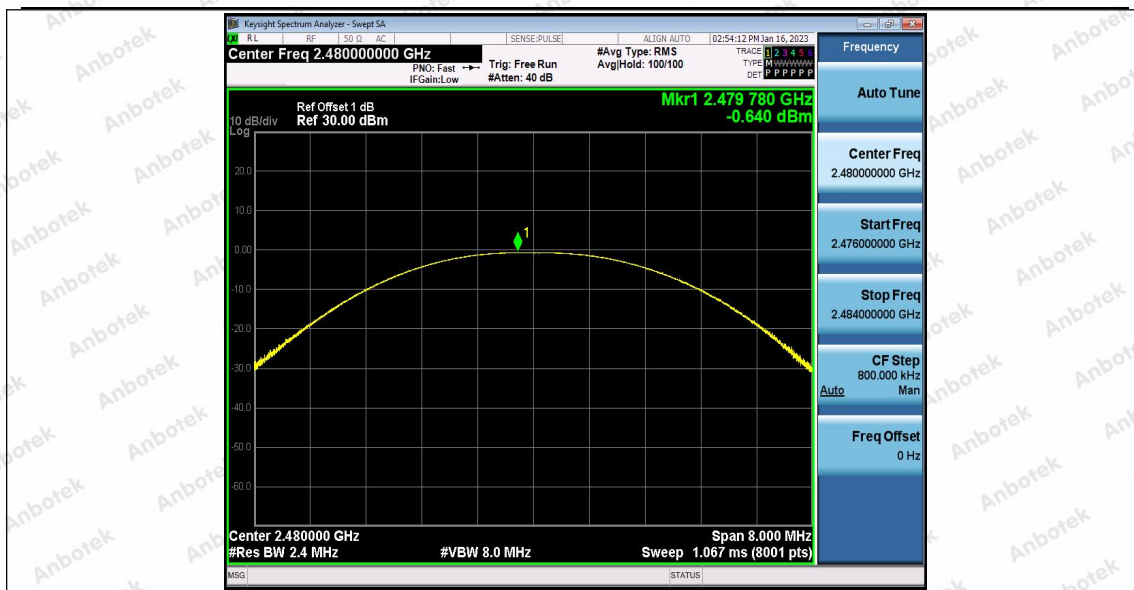
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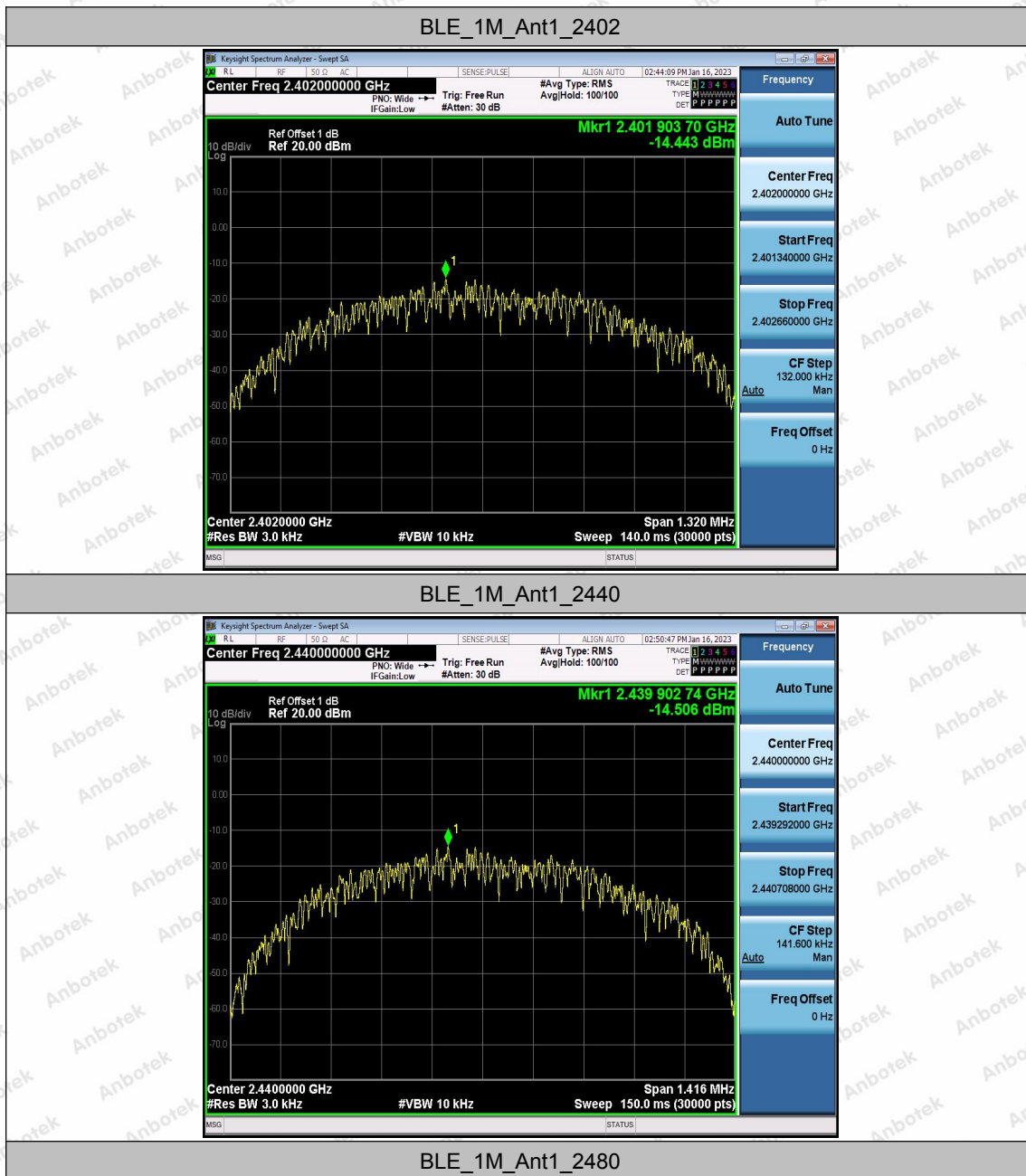
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.44	≤8.00	PASS
		2440	-14.51	≤8.00	PASS
		2480	-15.78	≤8.00	PASS



Test Graphs



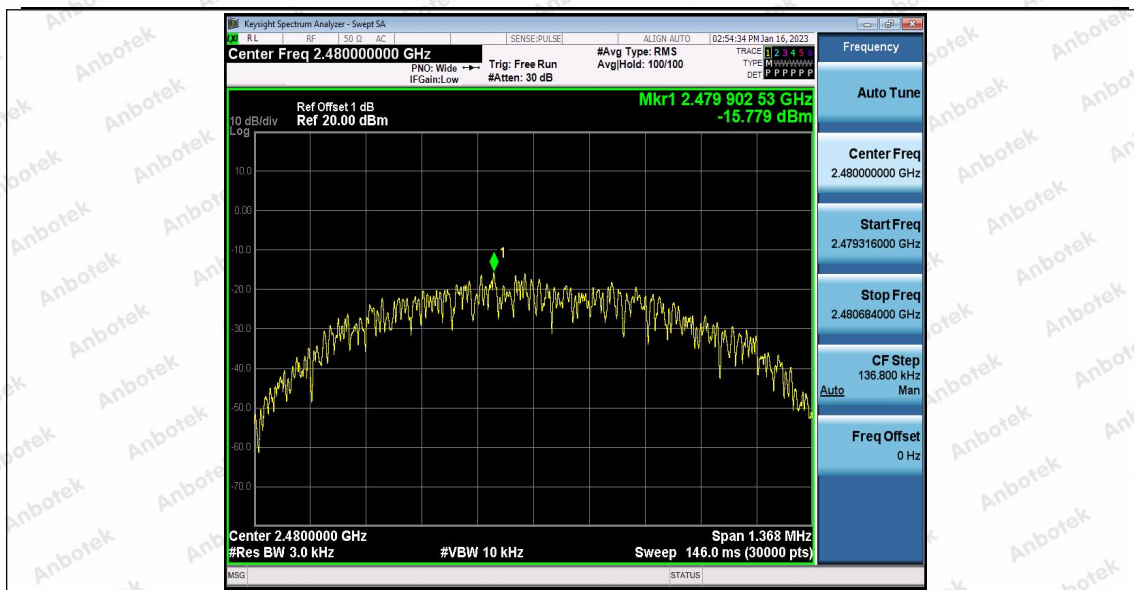
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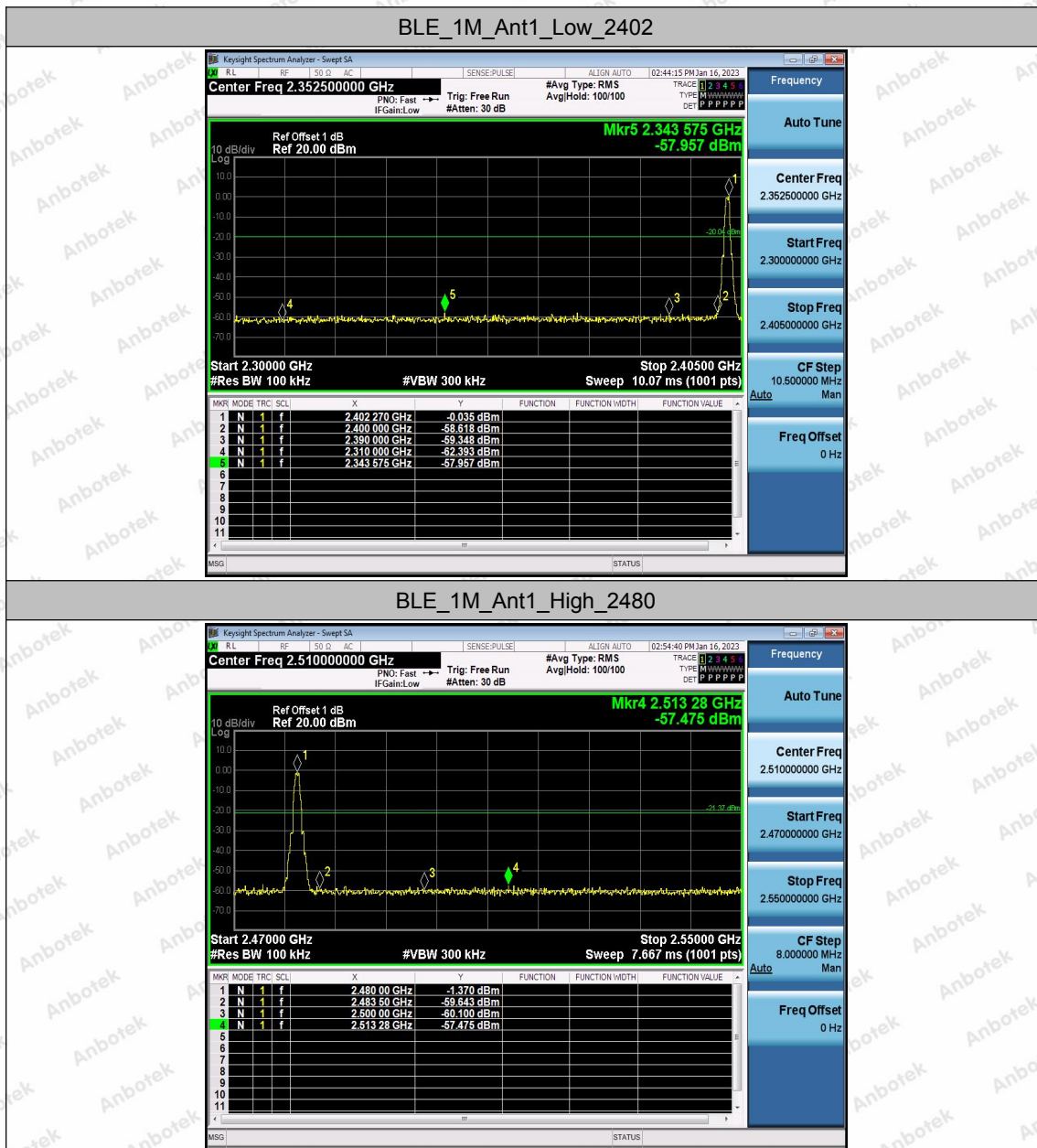
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.04	-57.96	≤-20.04	PASS
		High	2480	-1.37	-57.48	≤-21.37	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	-0.94	-0.94	---	PASS
			30~1000	-0.94	-68.76	≤-20.94	PASS
			1000~26500	-0.94	-52.55	≤-20.94	PASS
		2440	Reference	-0.38	-0.38	---	PASS
			30~1000	-0.38	-67.92	≤-20.38	PASS
			1000~26500	-0.38	-52.06	≤-20.38	PASS
		2480	Reference	-1.67	-1.67	---	PASS
			30~1000	-1.67	-68.51	≤-21.67	PASS
			1000~26500	-1.67	-53.54	≤-21.67	PASS

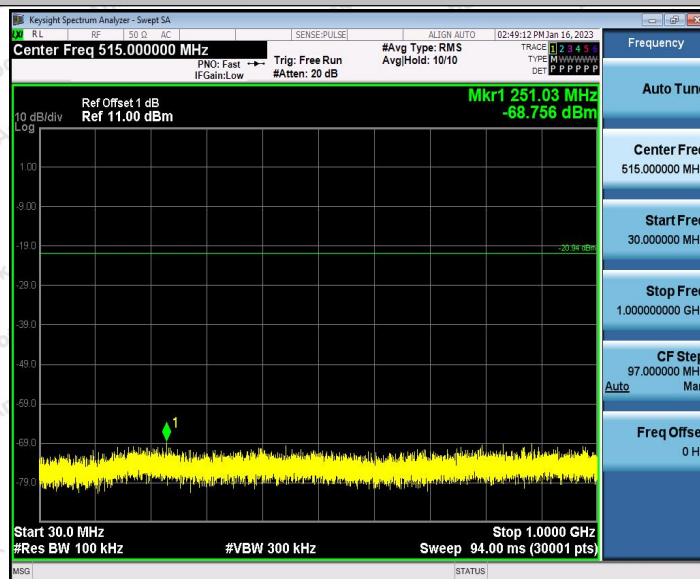


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

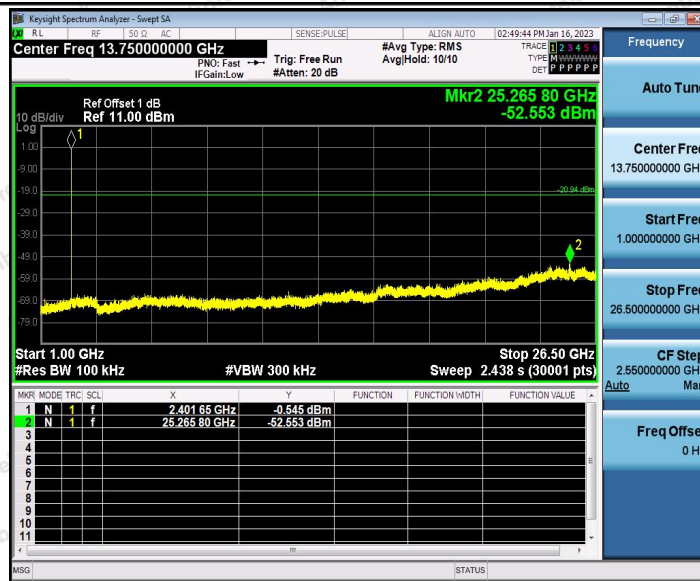
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

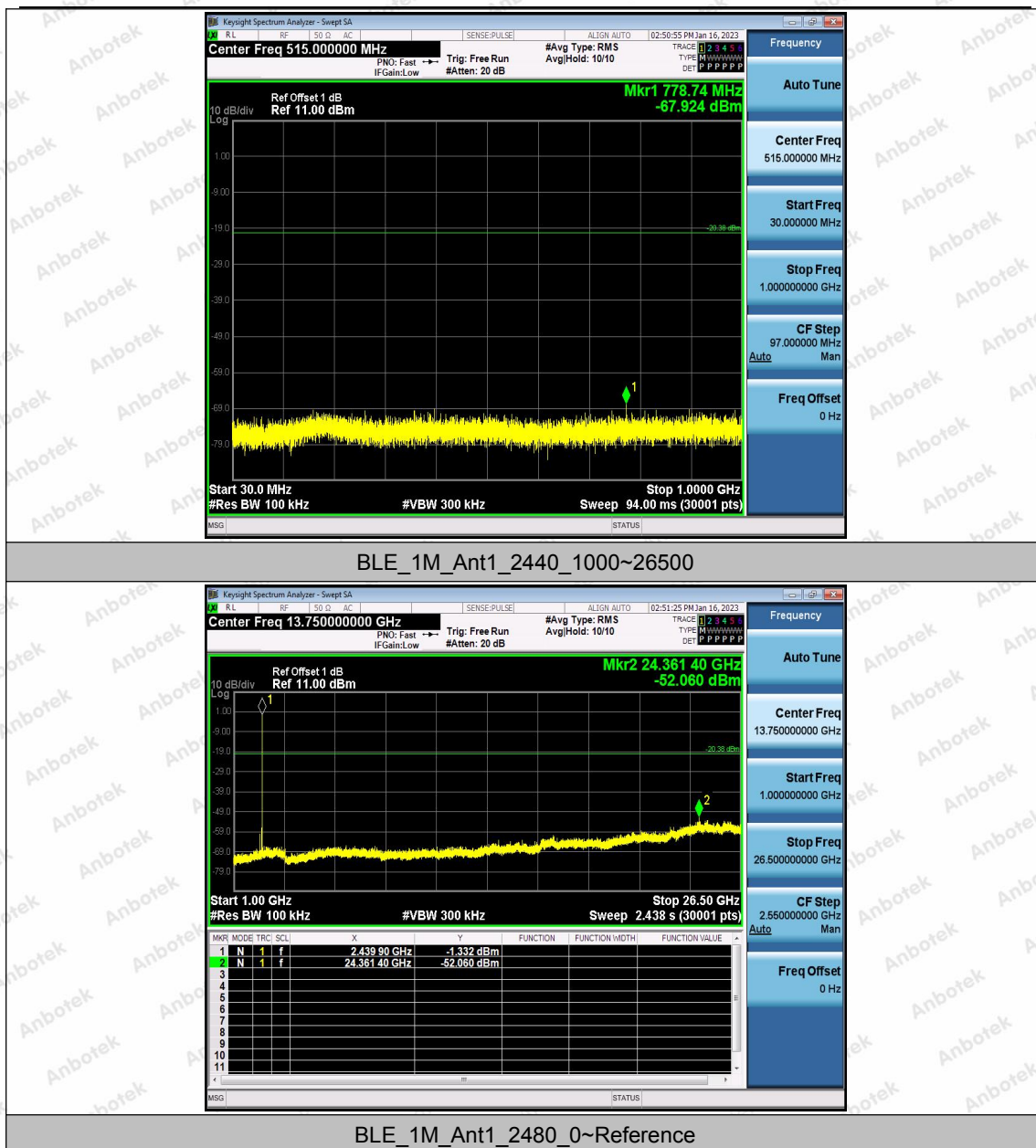
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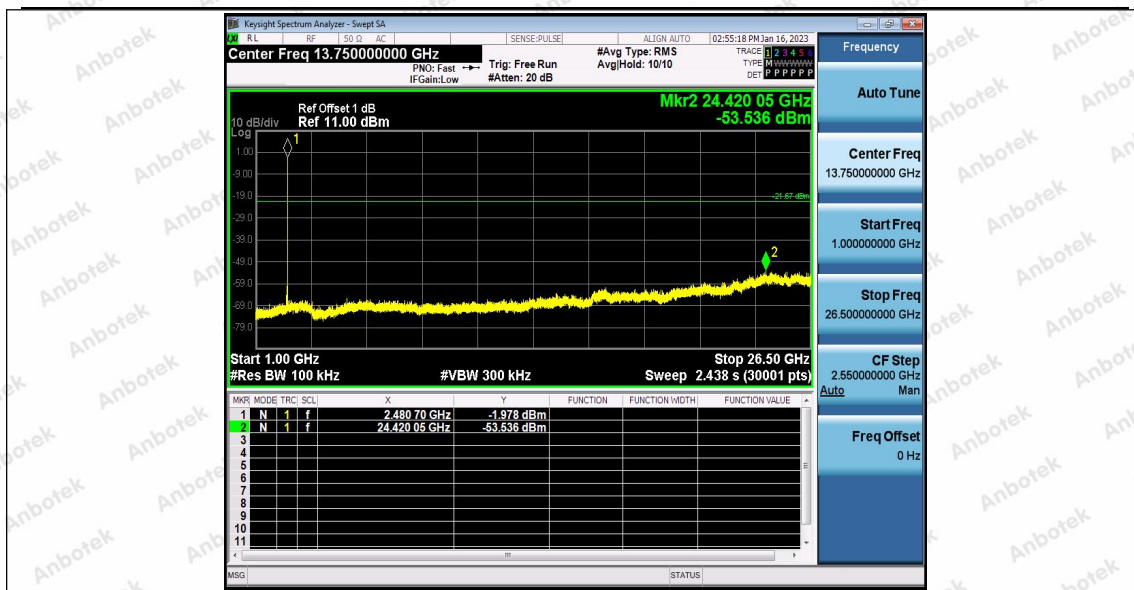
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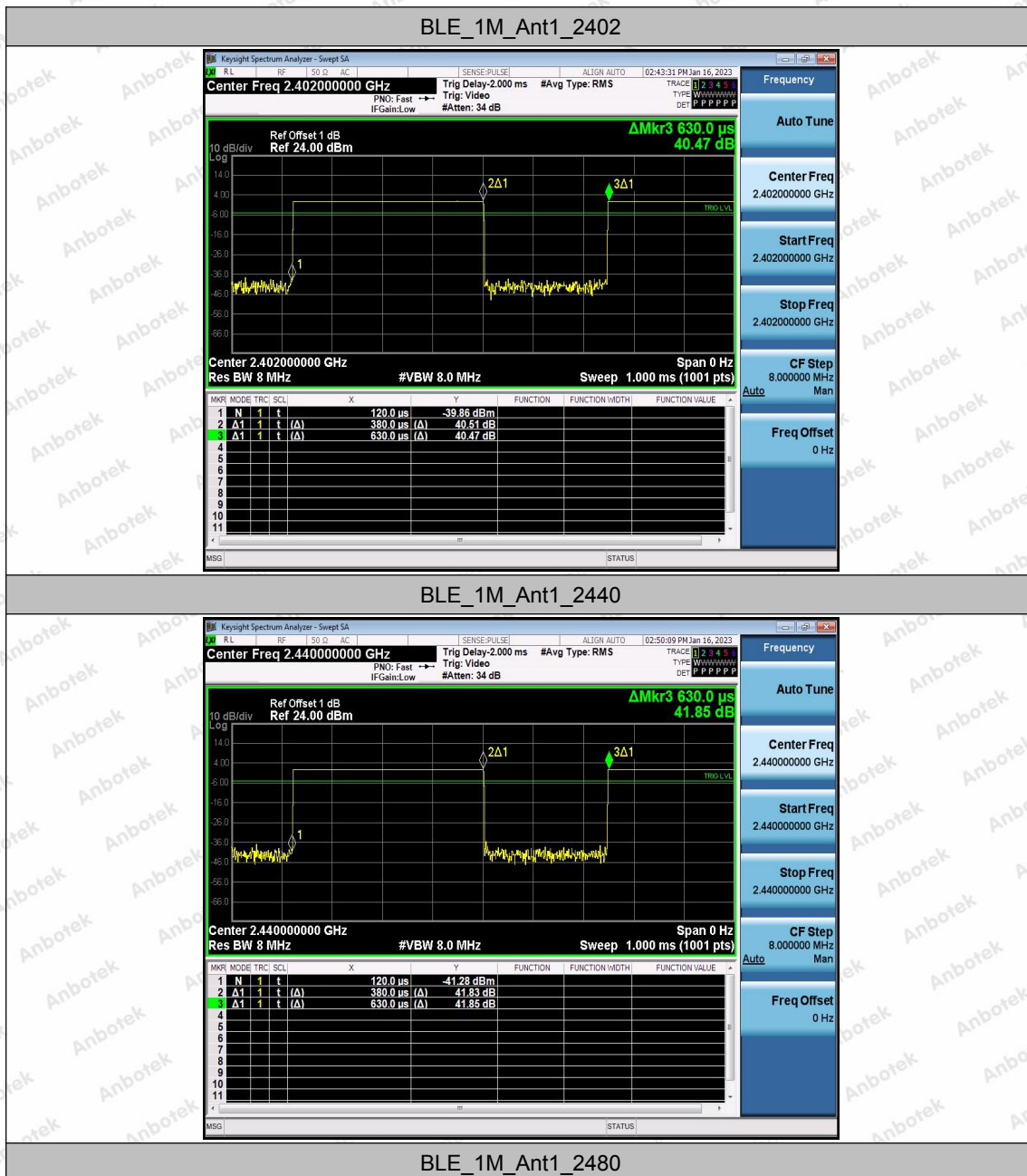
Appendix G: Duty Cycle

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



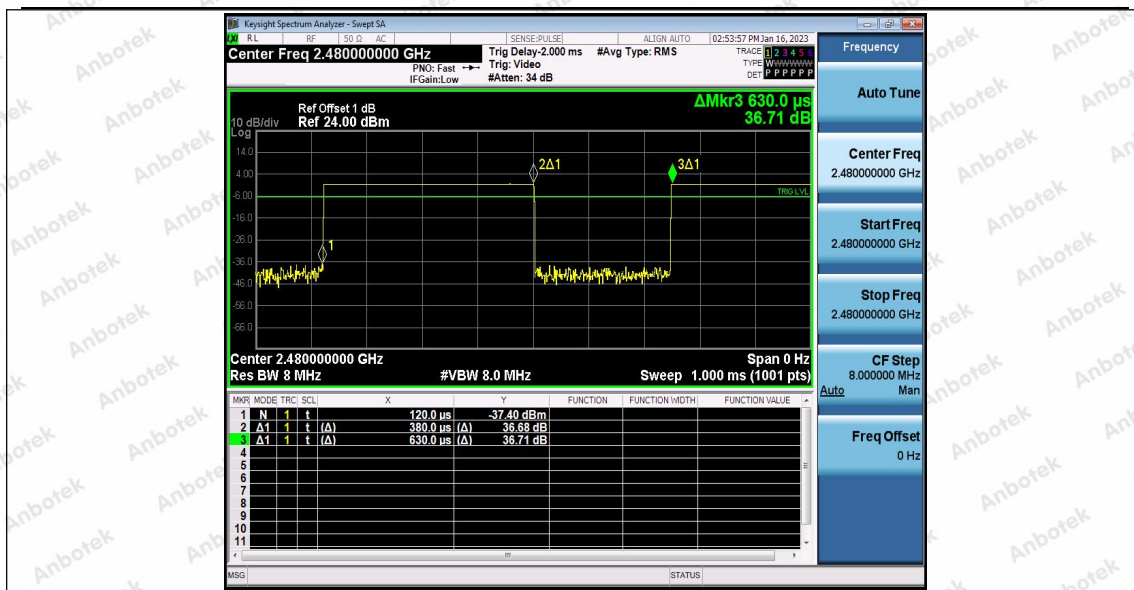
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