

Appendix Test Data

Report No.:	18220WC30020901	Test Sample No.:	1-2-2
Start Test Date:	2023.02.15	Finish Test Date:	2023.02.20
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	25.0°C	Relative Humidity:	43%
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	0.684	2401.664	2402.348	0.5	PASS
		2440	0.692	2439.640	2440.332	0.5	PASS
		2480	0.696	2479.644	2480.340	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

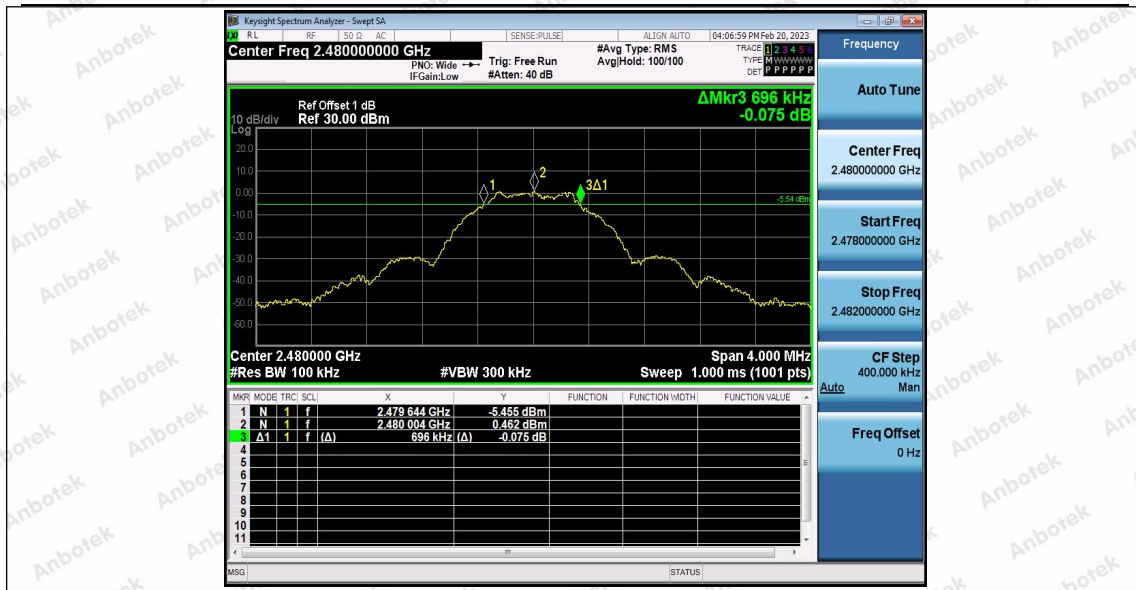
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0289	2401.4964	2402.5253
		2440	1.0286	2439.4964	2440.5250
		2480	1.0275	2479.4953	2480.5228

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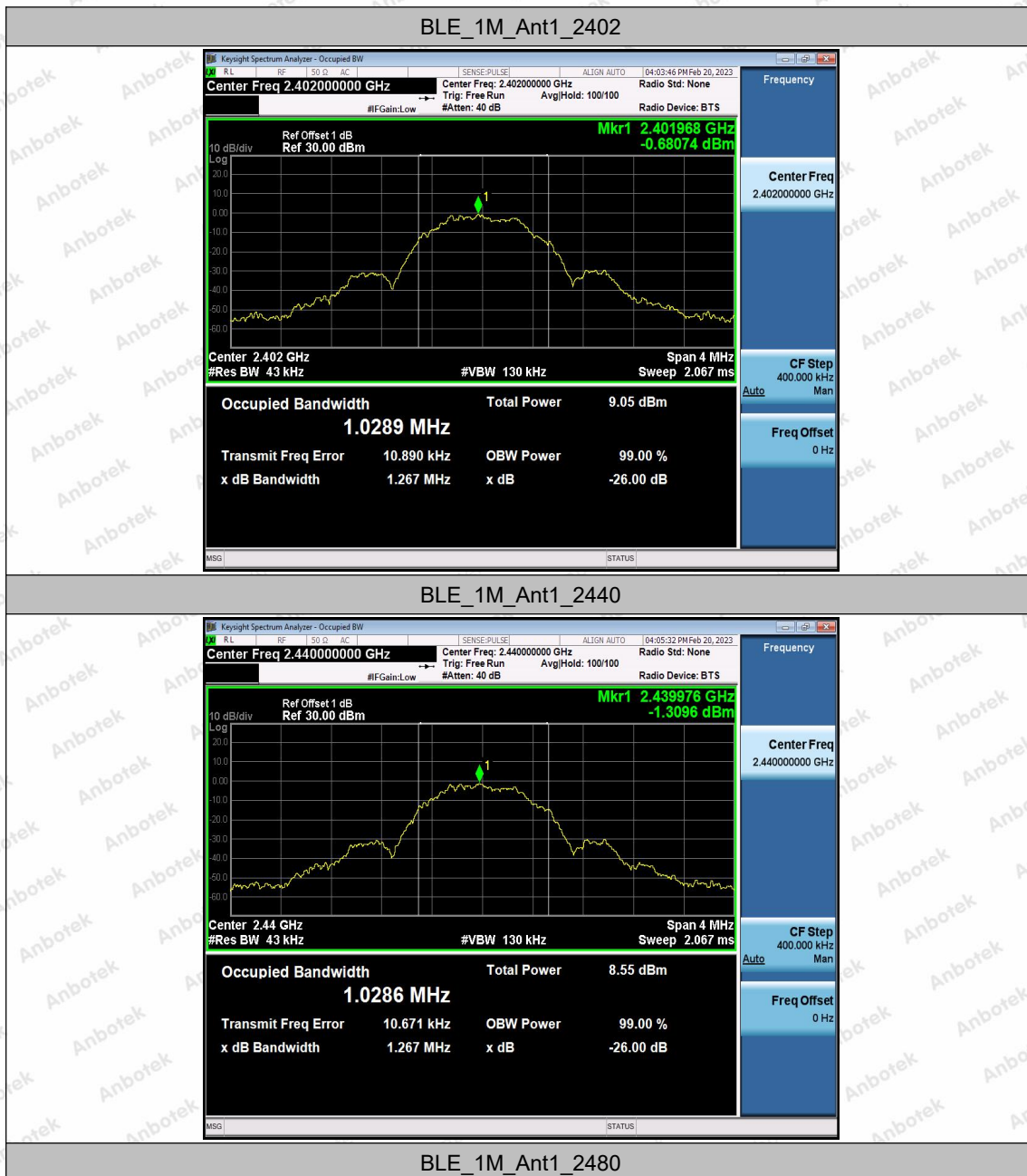
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Test Graphs



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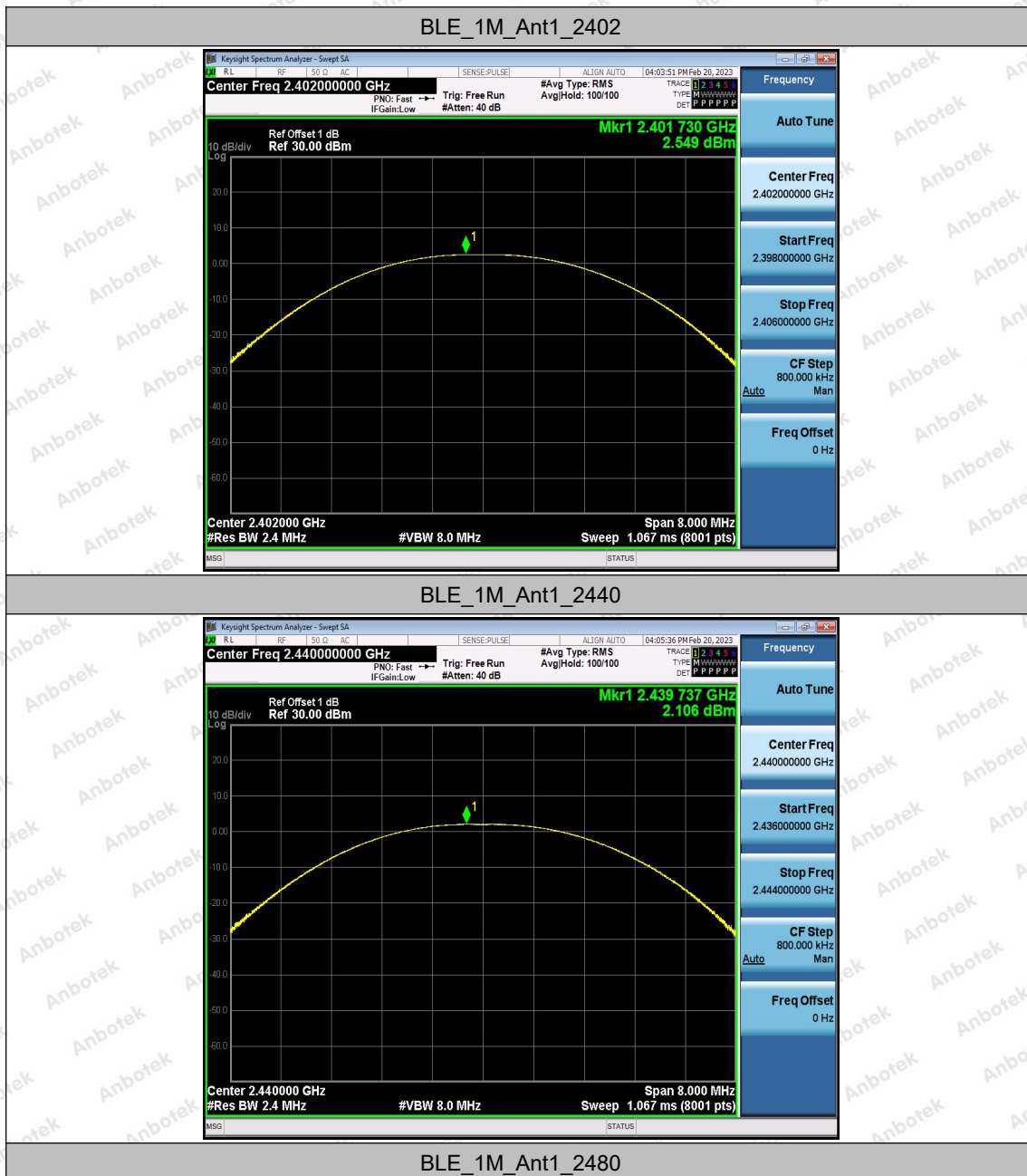
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.55	≤30	PASS
		2440	2.11	≤30	PASS
		2480	1.42	≤30	PASS



Test Graphs Peak



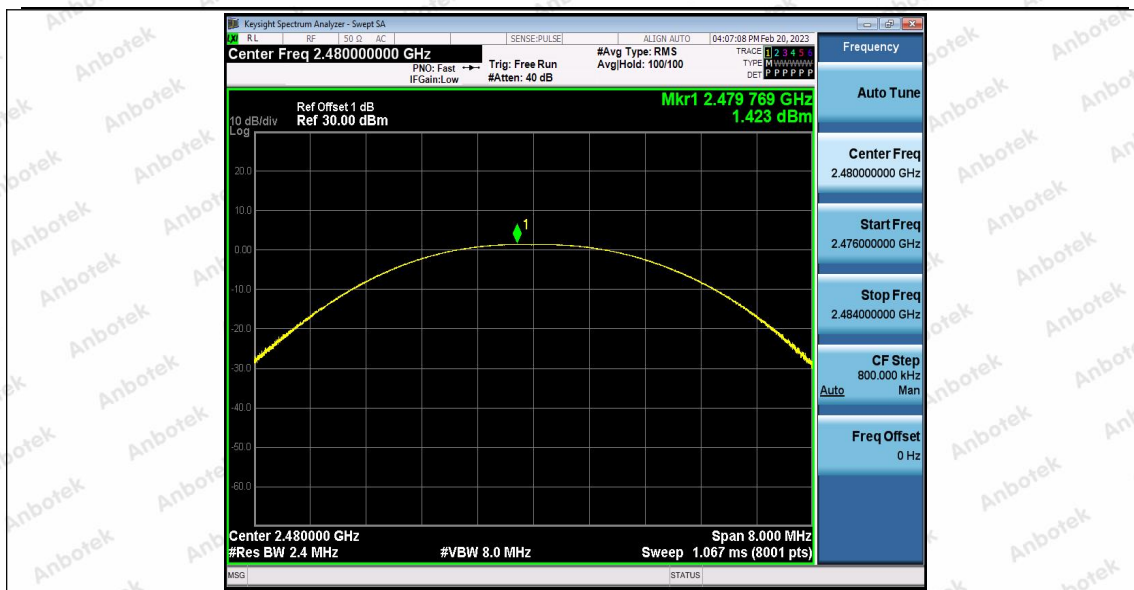
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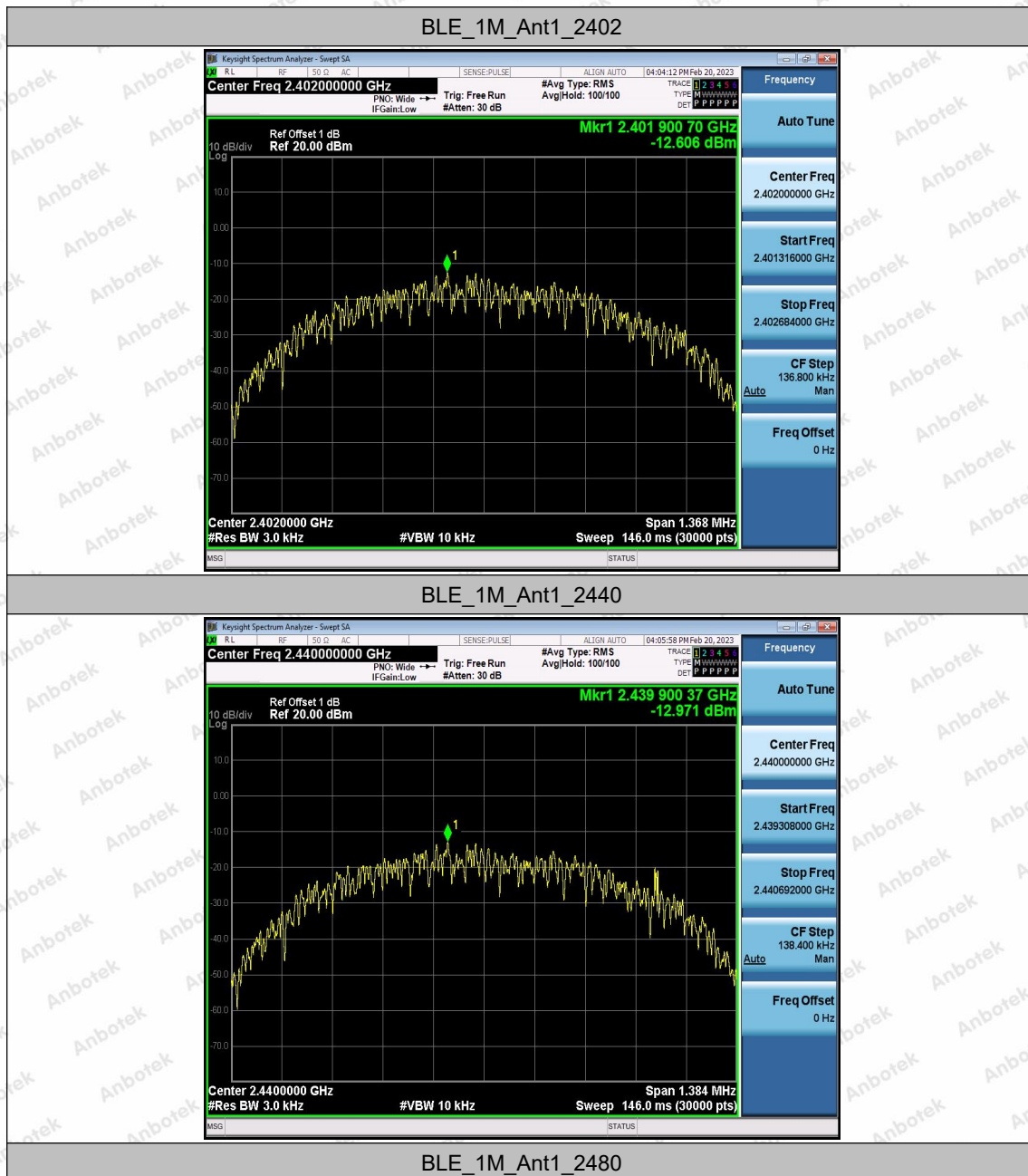
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.61	≤8.00	PASS
		2440	-12.97	≤8.00	PASS
		2480	-13.72	≤8.00	PASS



Test Graphs



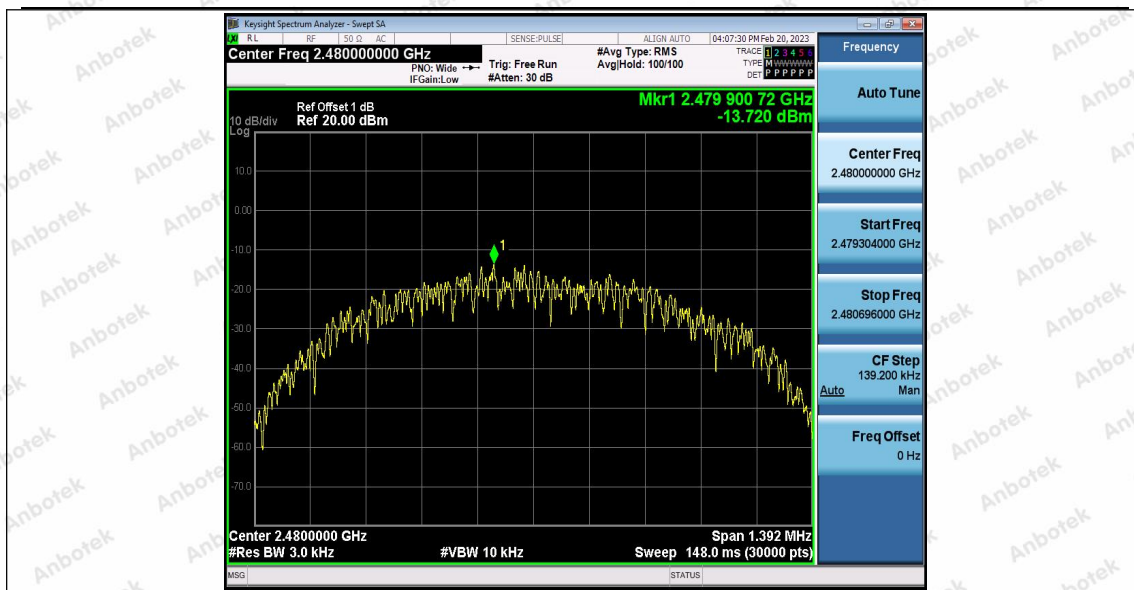
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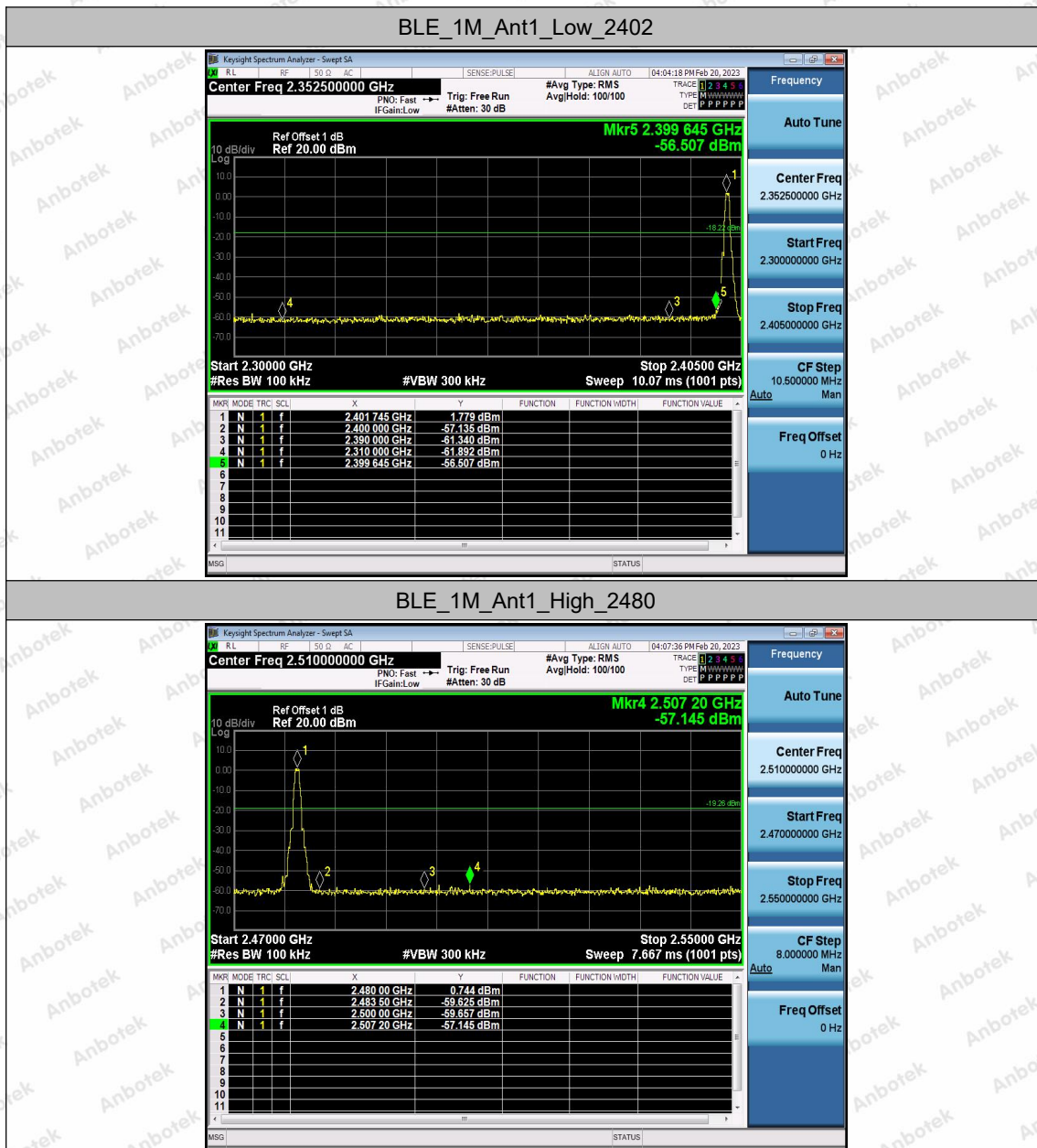
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.78	-56.51	≤-18.22	PASS
		High	2480	0.74	-57.15	≤-19.26	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	0.24	0.24	---	PASS
			30~1000	0.24	-68.13	≤-19.76	PASS
			1000~26500	0.24	-53.26	≤-19.76	PASS
		2440	Reference	1.15	1.15	---	PASS
			30~1000	1.15	-68.86	≤-18.85	PASS
			1000~26500	1.15	-52.76	≤-18.85	PASS
		2480	Reference	0.06	0.06	---	PASS
			30~1000	0.06	-68.92	≤-19.94	PASS
			1000~26500	0.06	-53.74	≤-19.94	PASS

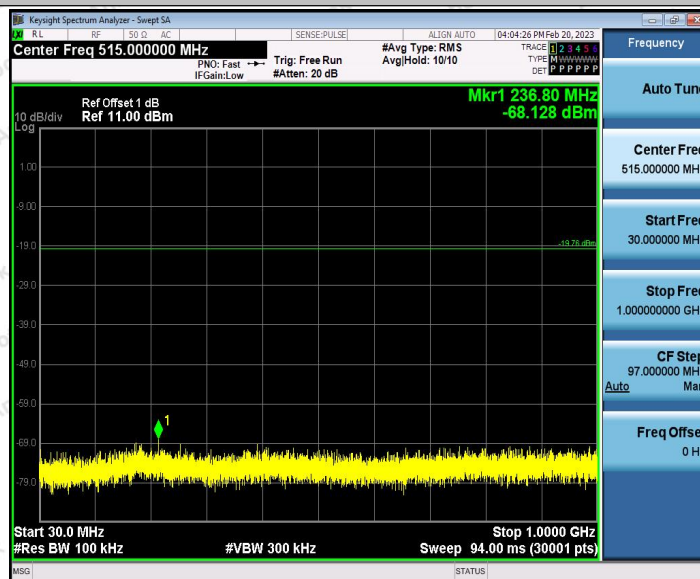


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

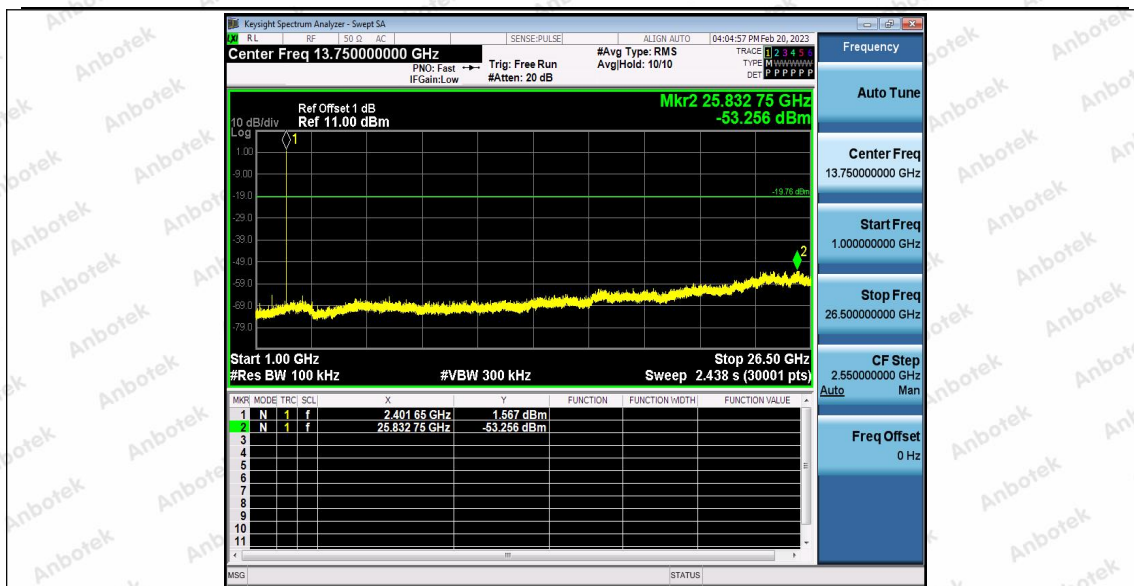
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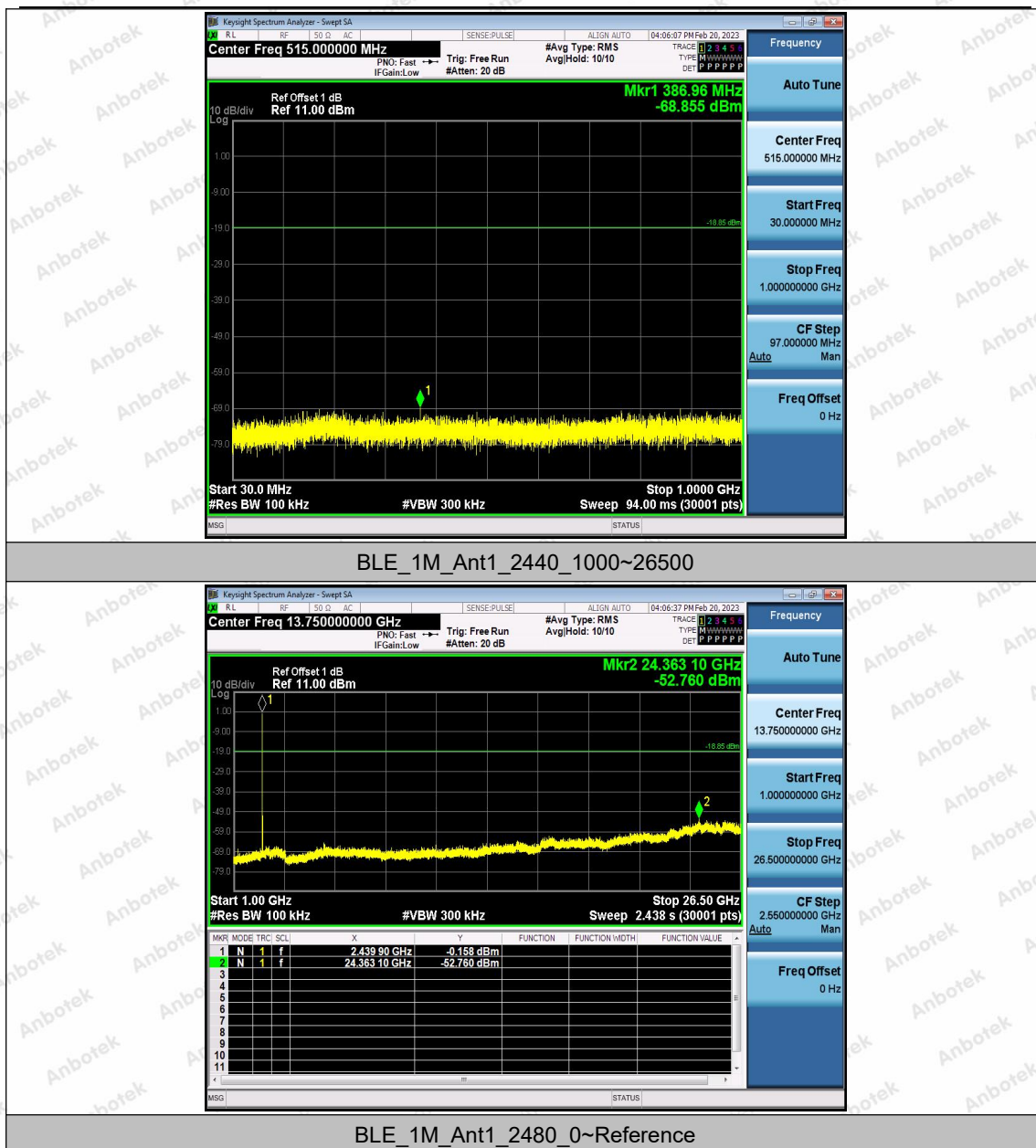


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000





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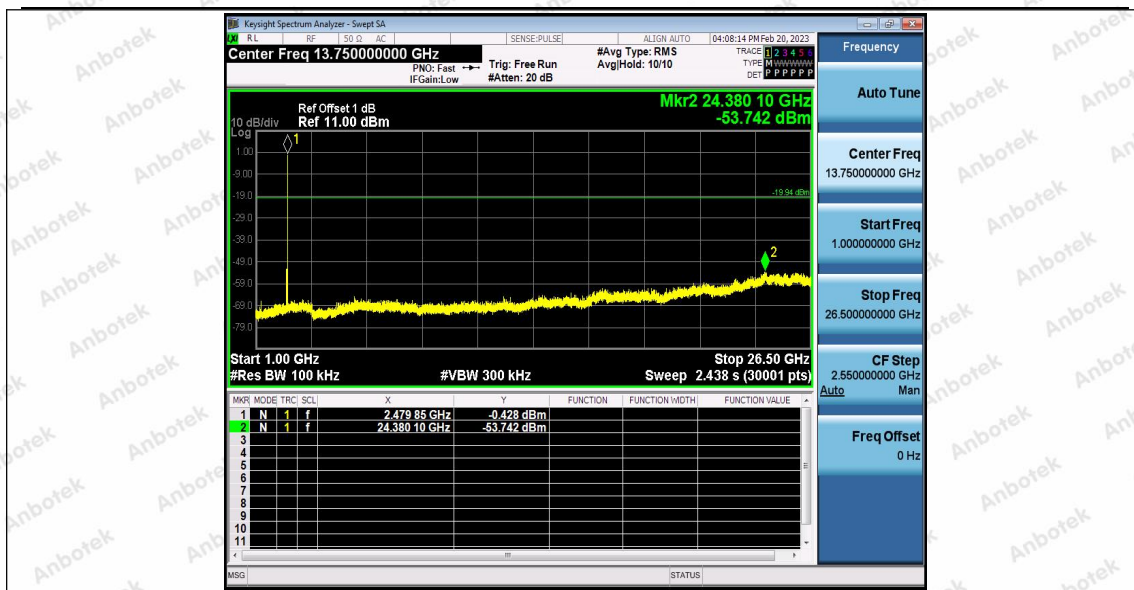
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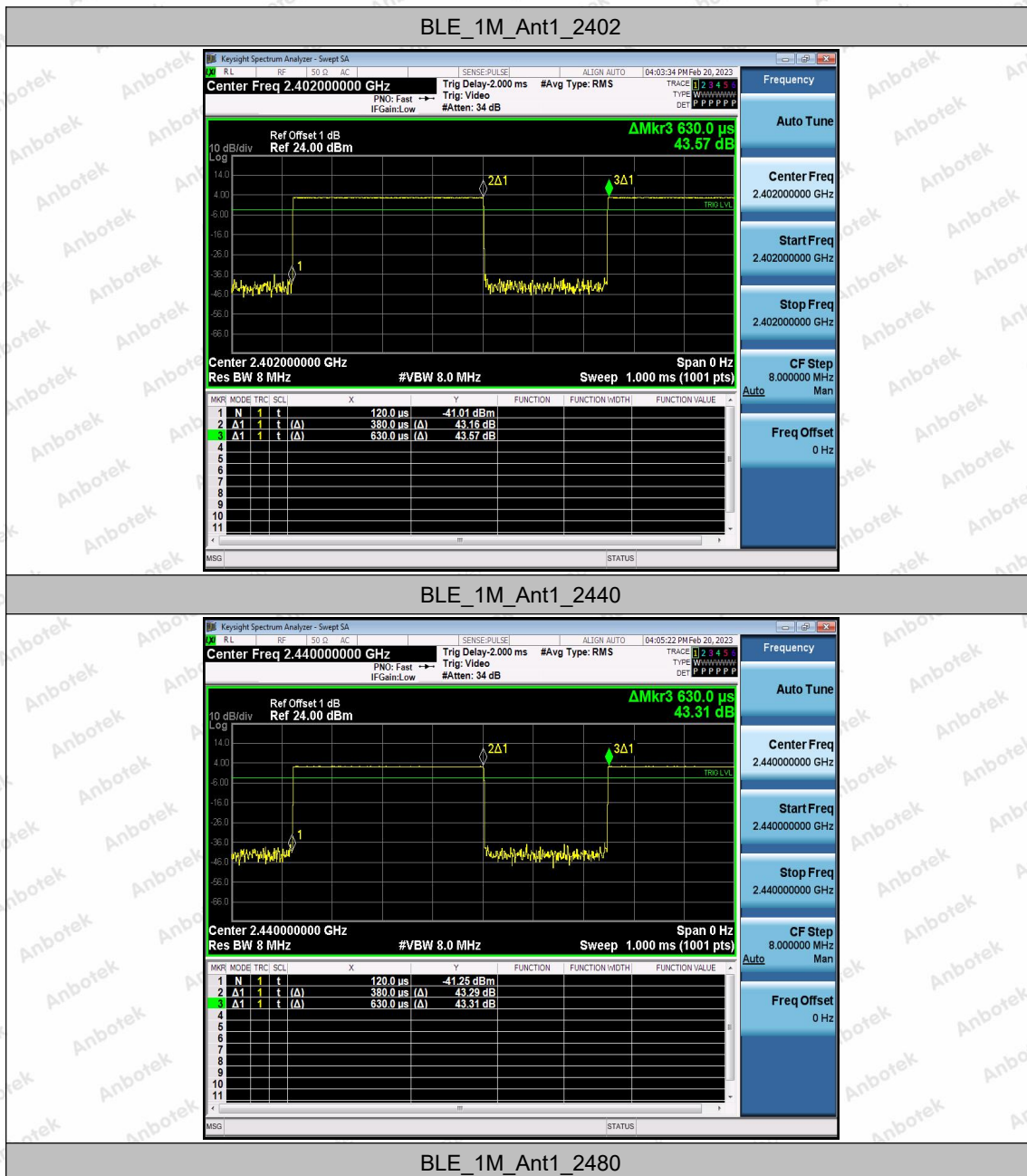
Appendix G: Duty Cycle

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



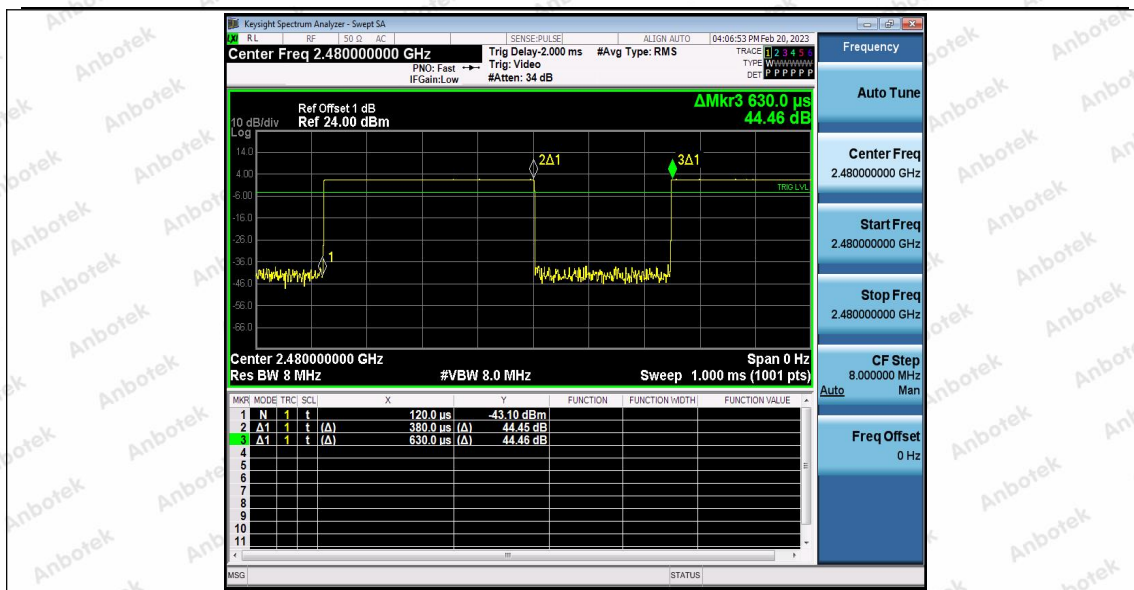
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