

Appendix Test Data

Report No.:	18220WC30040702	Test Sample No.:	1-2-2
Start Test Date:	2023.03.15	Finish Test Date:	2023.03.17
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	25.0°C	Relative Humidity:	44%
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	0.672	2401.664	2402.336	0.5	PASS
		2440	0.688	2439.656	2440.344	0.5	PASS
		2480	0.680	2479.652	2480.332	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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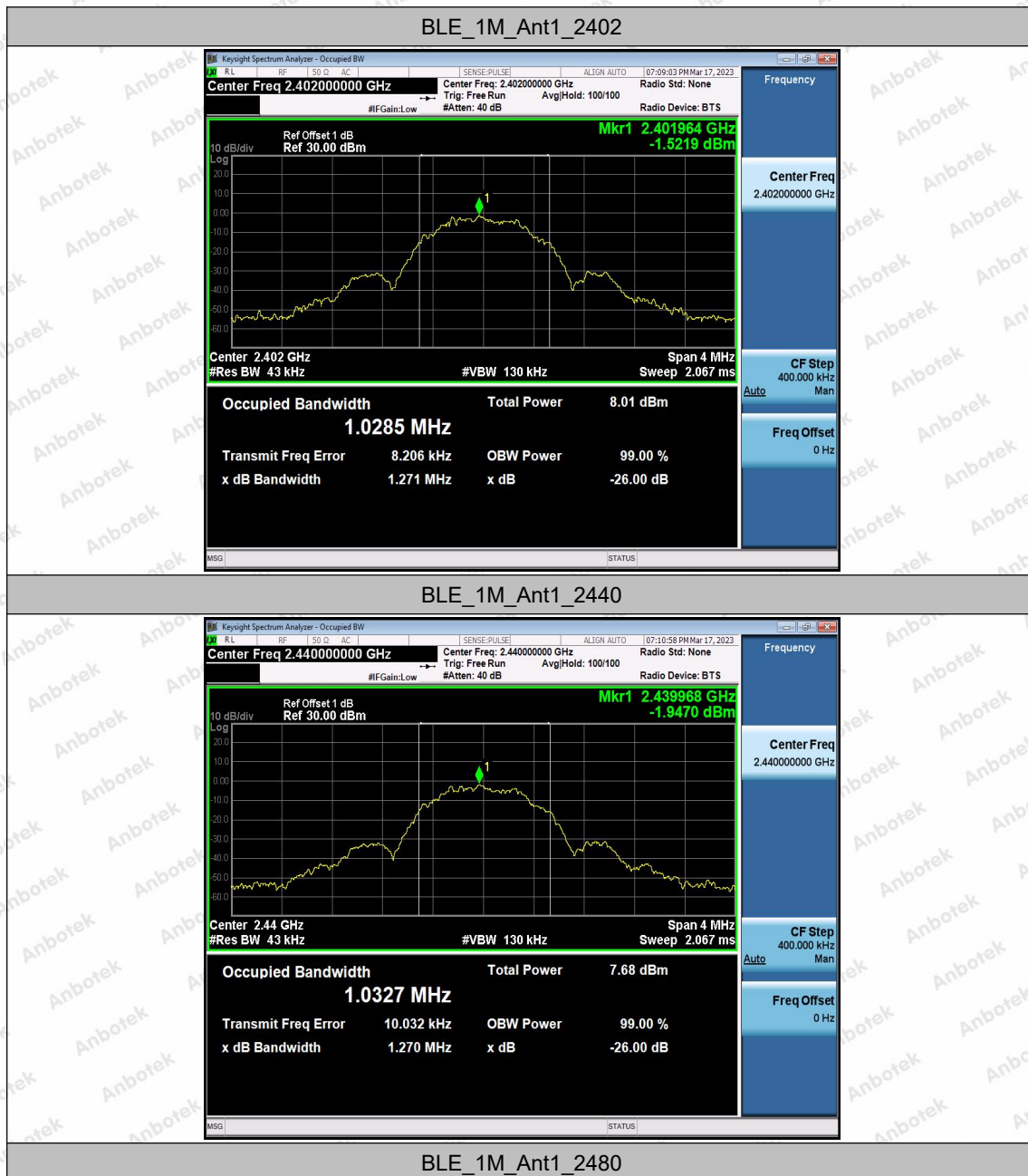
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0285	2401.4940	2402.5225
		2440	1.0327	2439.4937	2440.5264
		2480	1.0186	2479.4954	2480.5140



Test Graphs



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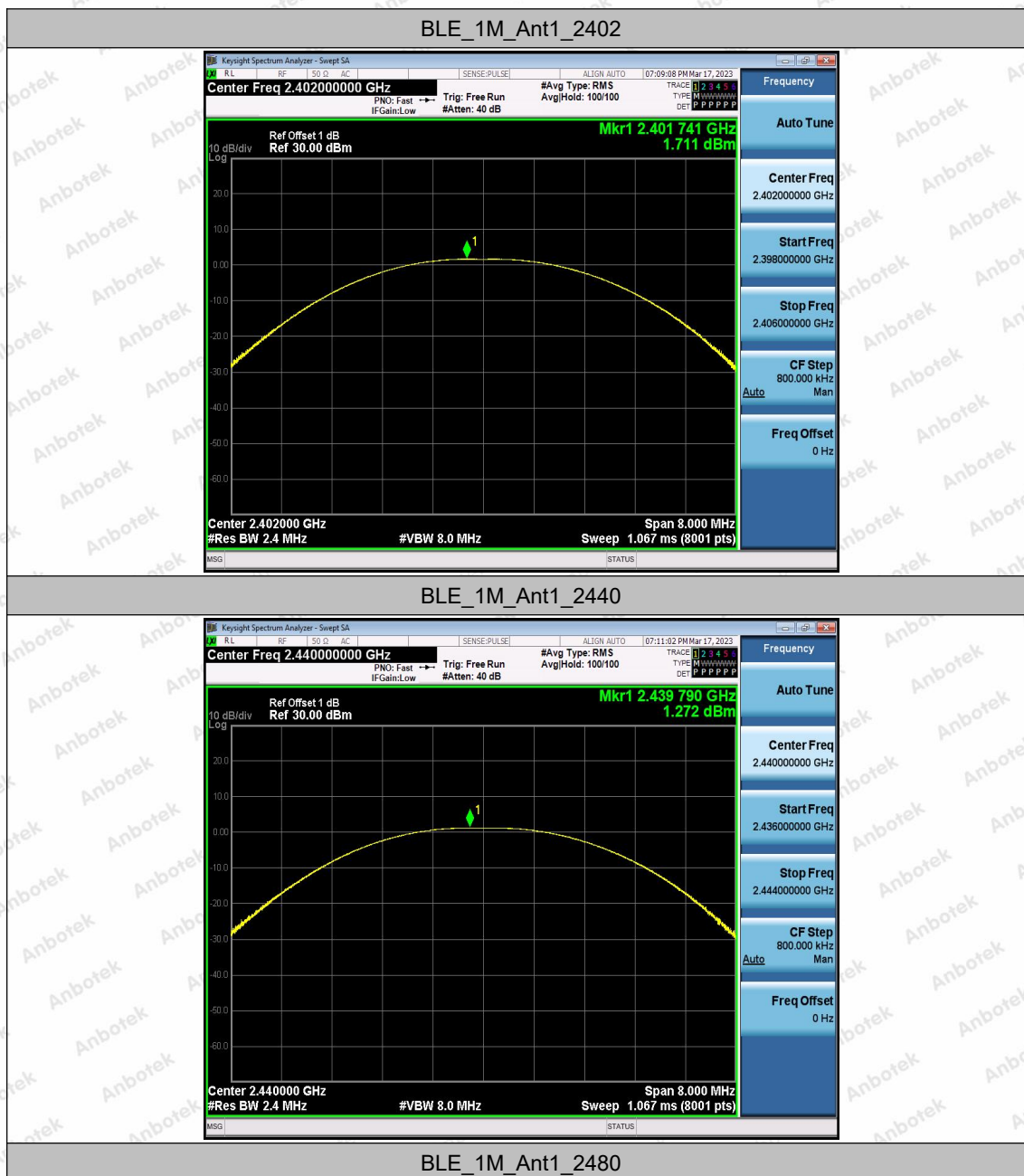
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.71	≤30	PASS
		2440	1.27	≤30	PASS
		2480	0.77	≤30	PASS



Test Graphs Peak



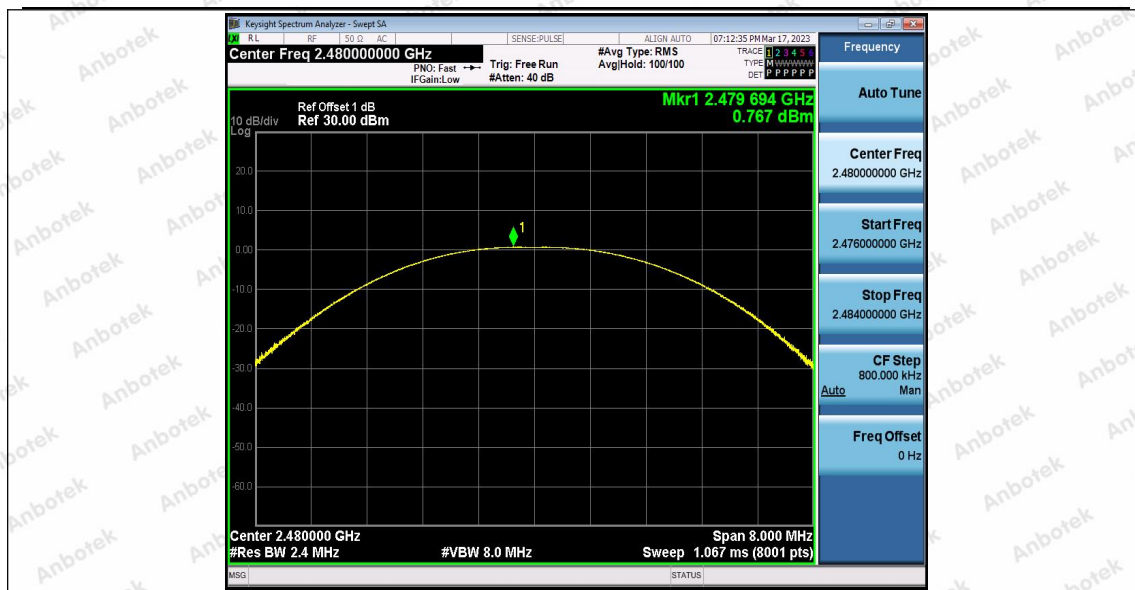
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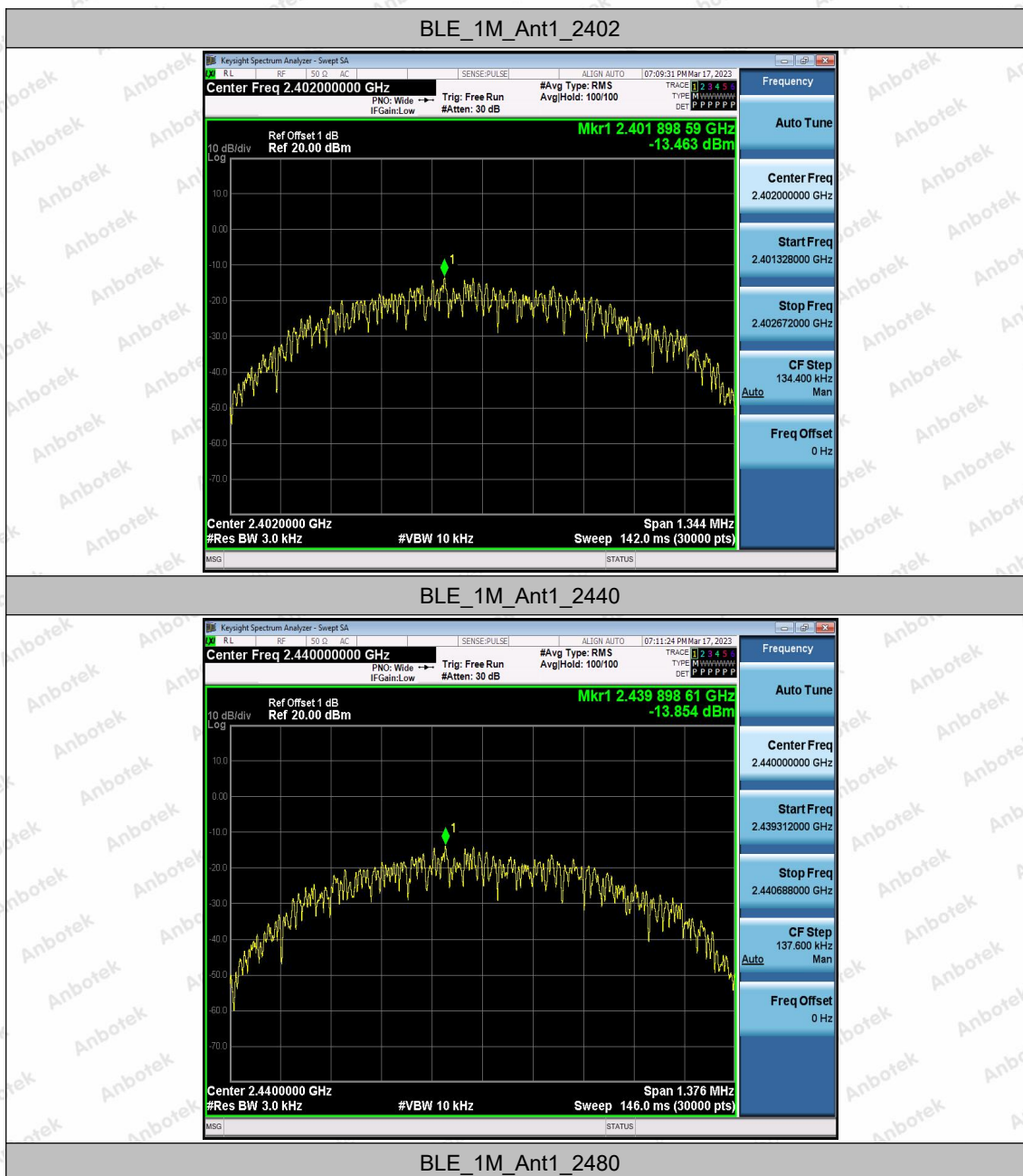
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.46	≤8.00	PASS
		2440	-13.85	≤8.00	PASS
		2480	-14.4	≤8.00	PASS



Test Graphs



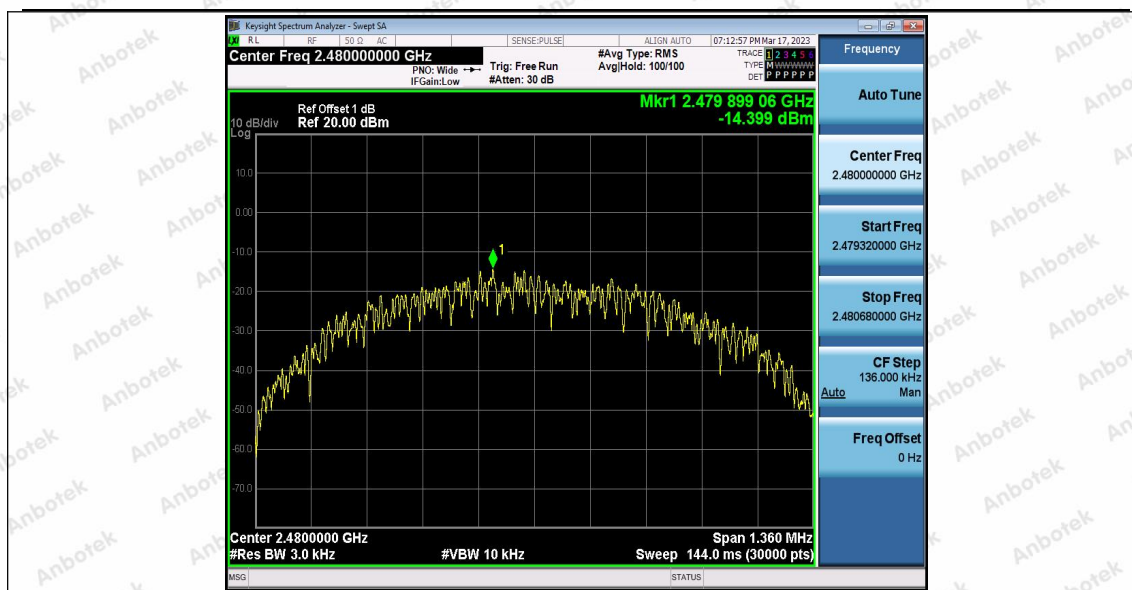
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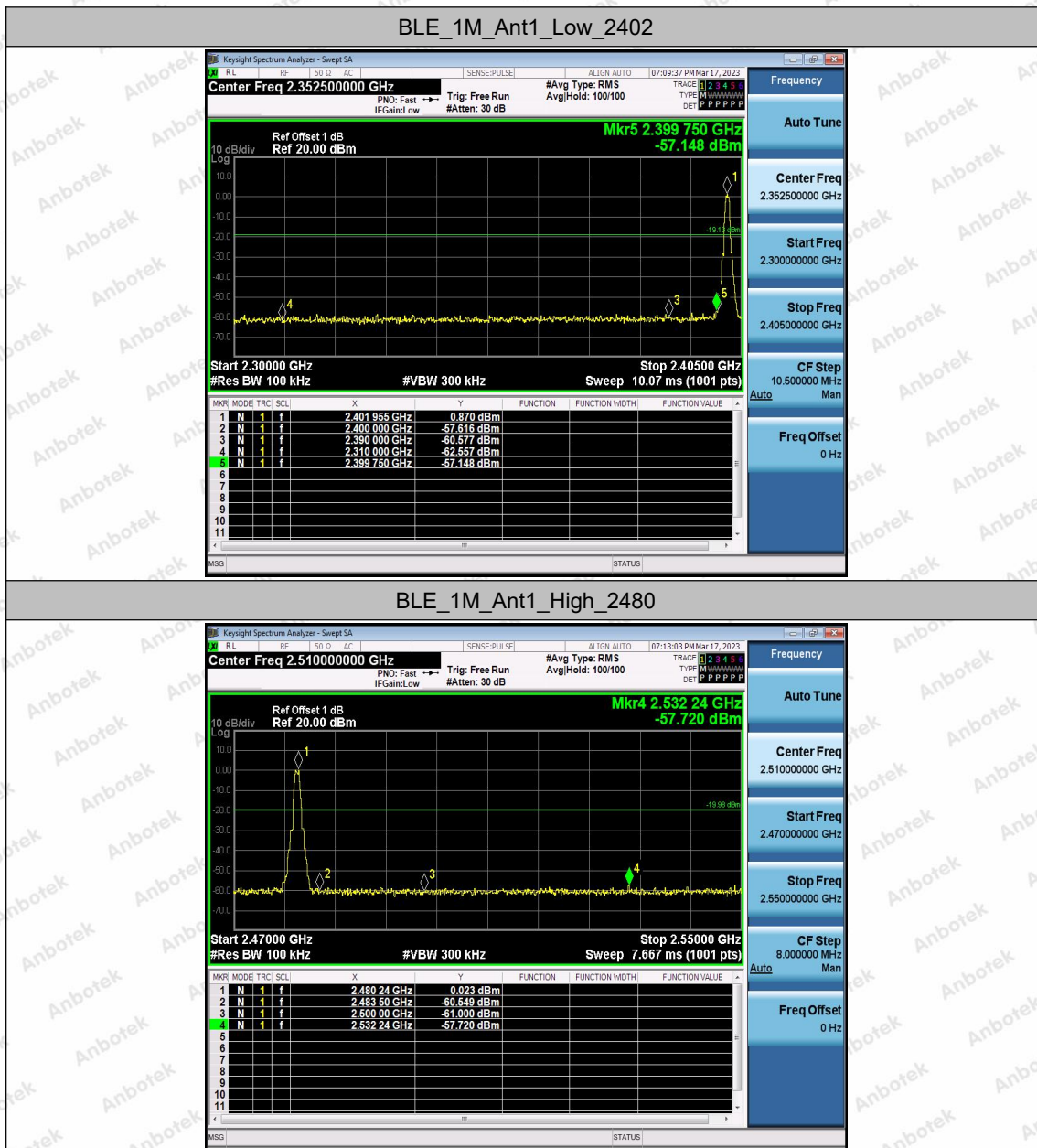
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.87	-57.15	≤-19.13	PASS
		High	2480	0.02	-57.72	≤-19.98	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	0.76	0.76	---	PASS
			30~1000	0.76	-68.47	≤-19.24	PASS
			1000~26500	0.76	-43.49	≤-19.24	PASS
		2440	Reference	0.01	0.01	---	PASS
			30~1000	0.01	-69.1	≤-19.99	PASS
			1000~26500	0.01	-51.26	≤-19.99	PASS
		2480	Reference	-1.08	-1.08	---	PASS
			30~1000	-1.08	-68.13	≤-21.08	PASS
			1000~26500	-1.08	-52.67	≤-21.08	PASS

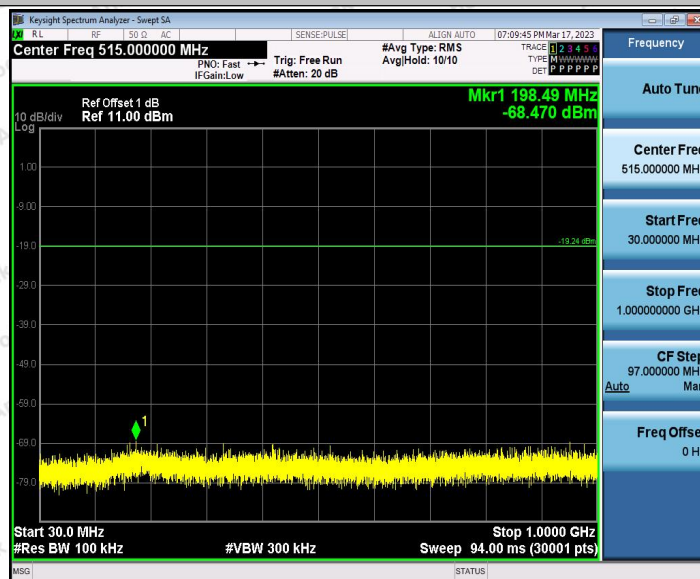


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

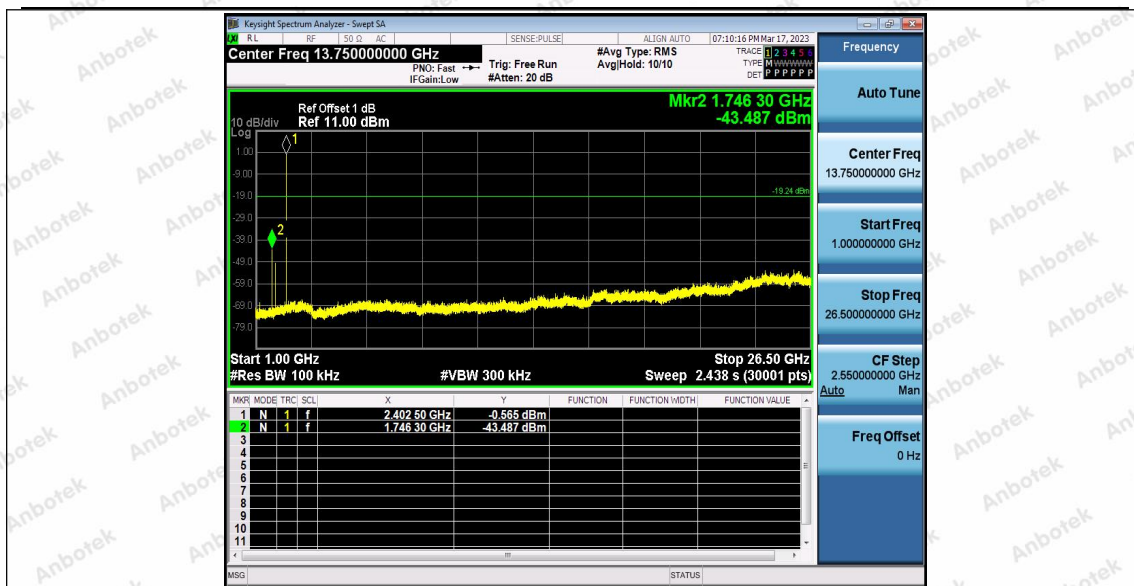
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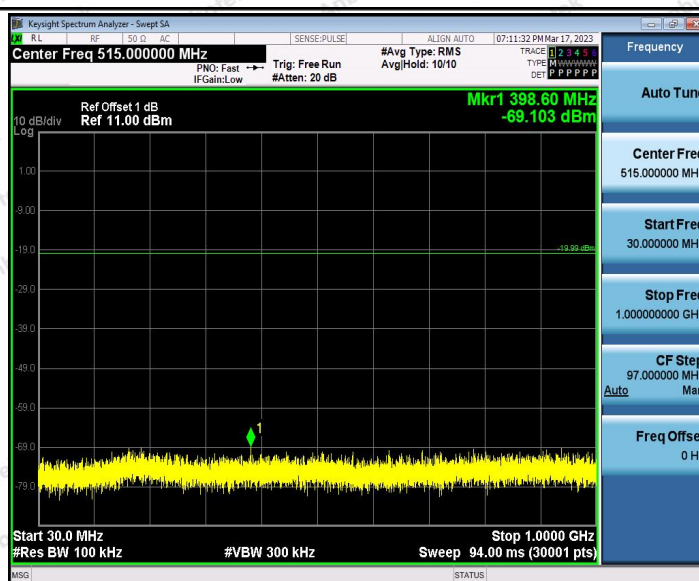


BLE_1M_Ant1_2440_0~Reference

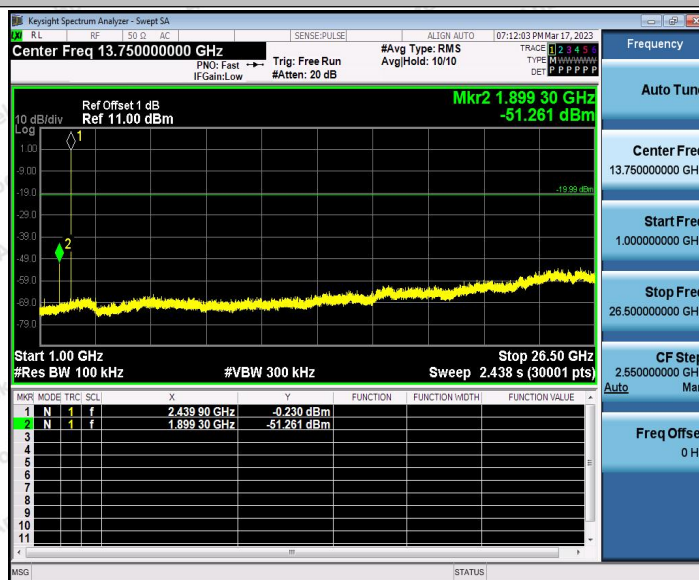


BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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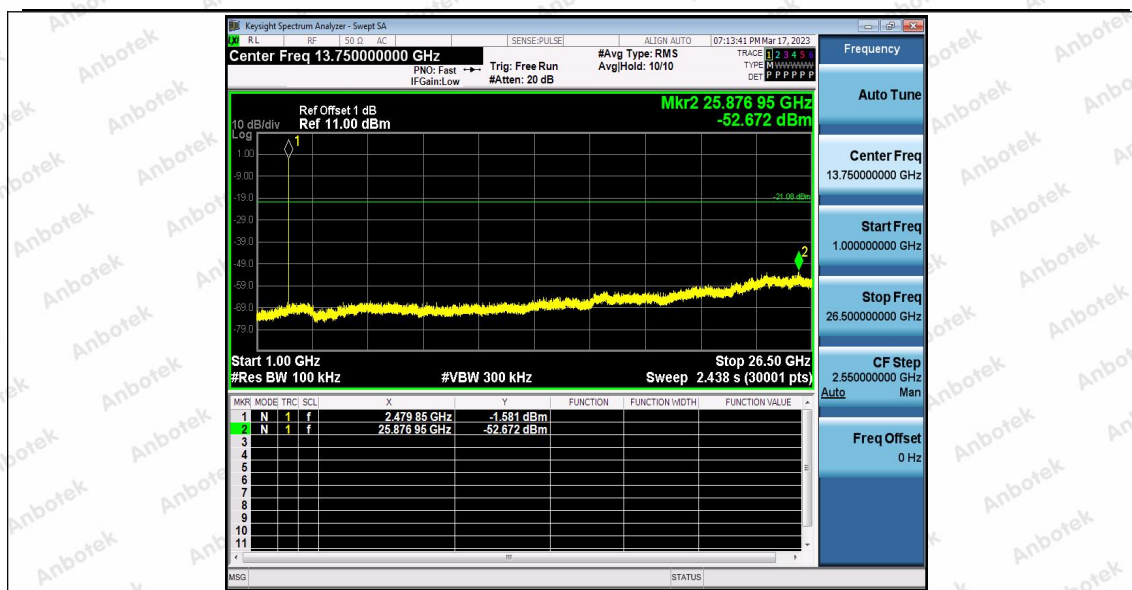
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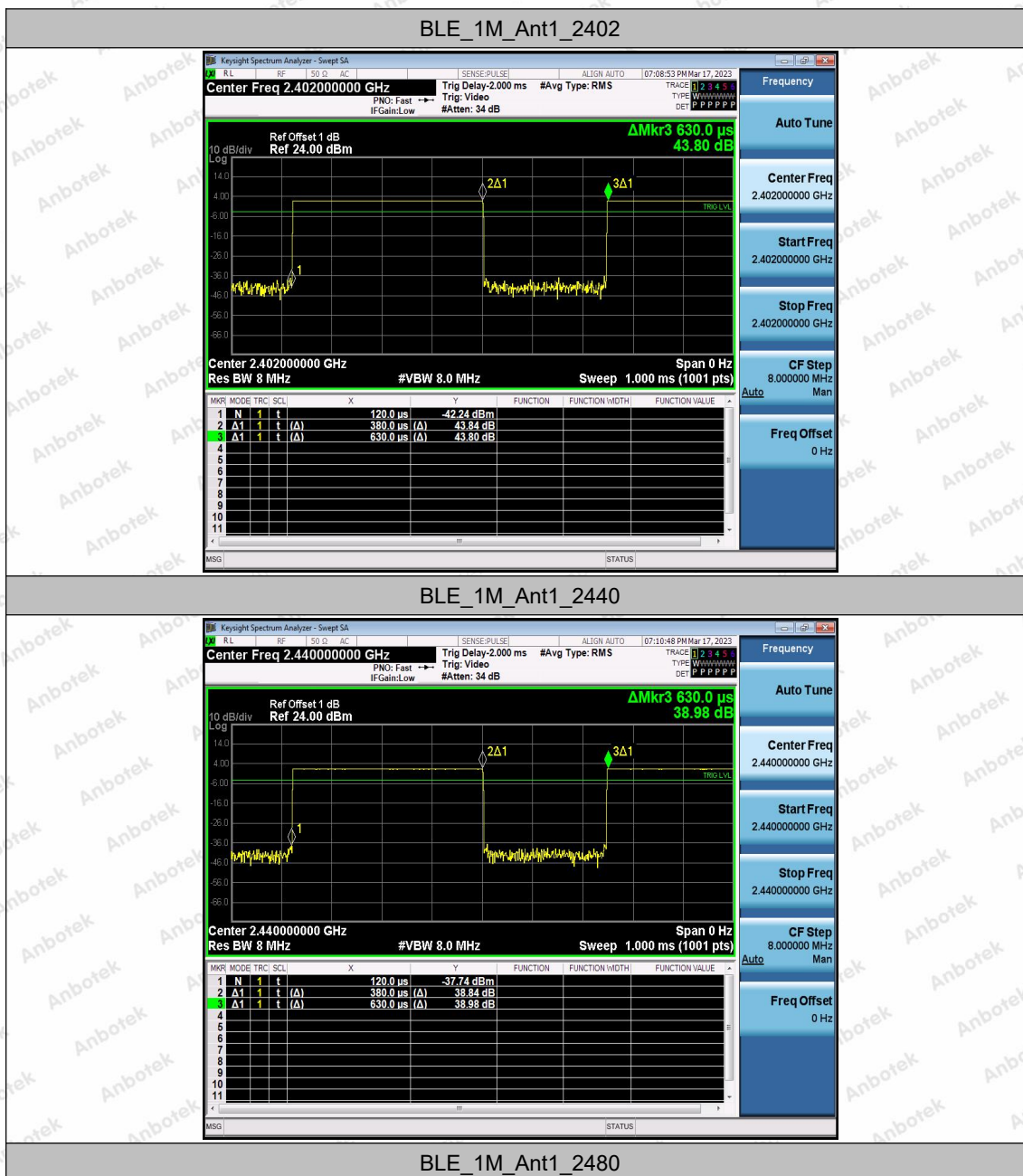
Appendix G: Duty Cycle

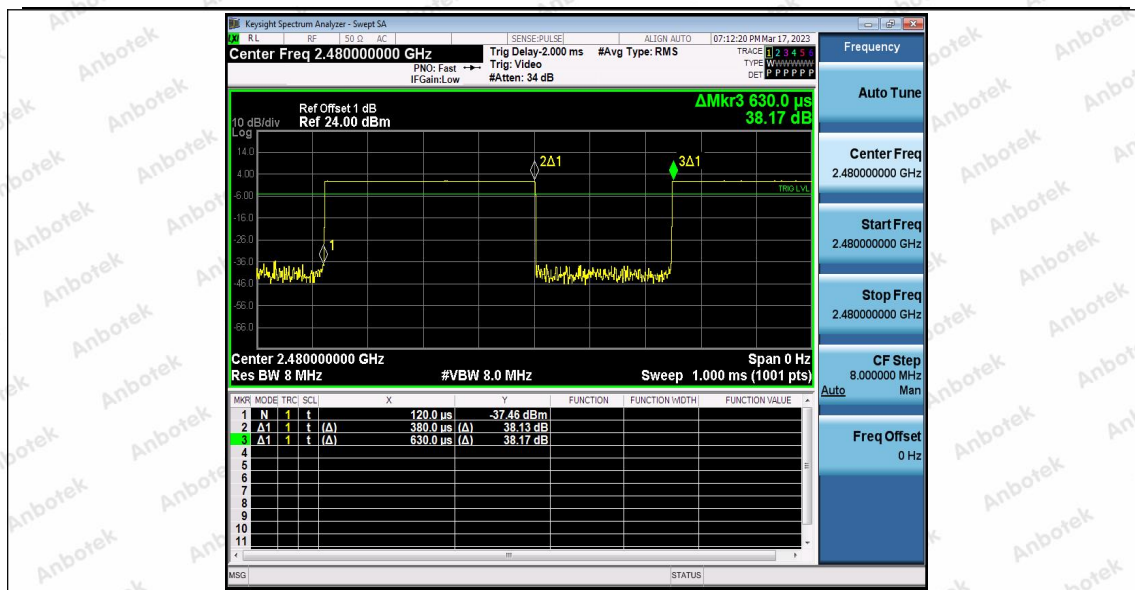
Test Result

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





---End---

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