

Appendix Test Data

Report No.:	18220WC30241601	Test Sample No.:	1-2-2
Start Test Date:	2023.11.16	Finish Test Date:	2023.11.17
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.3°C	Relative Humidity:	46%
Pressure:	101kPa		

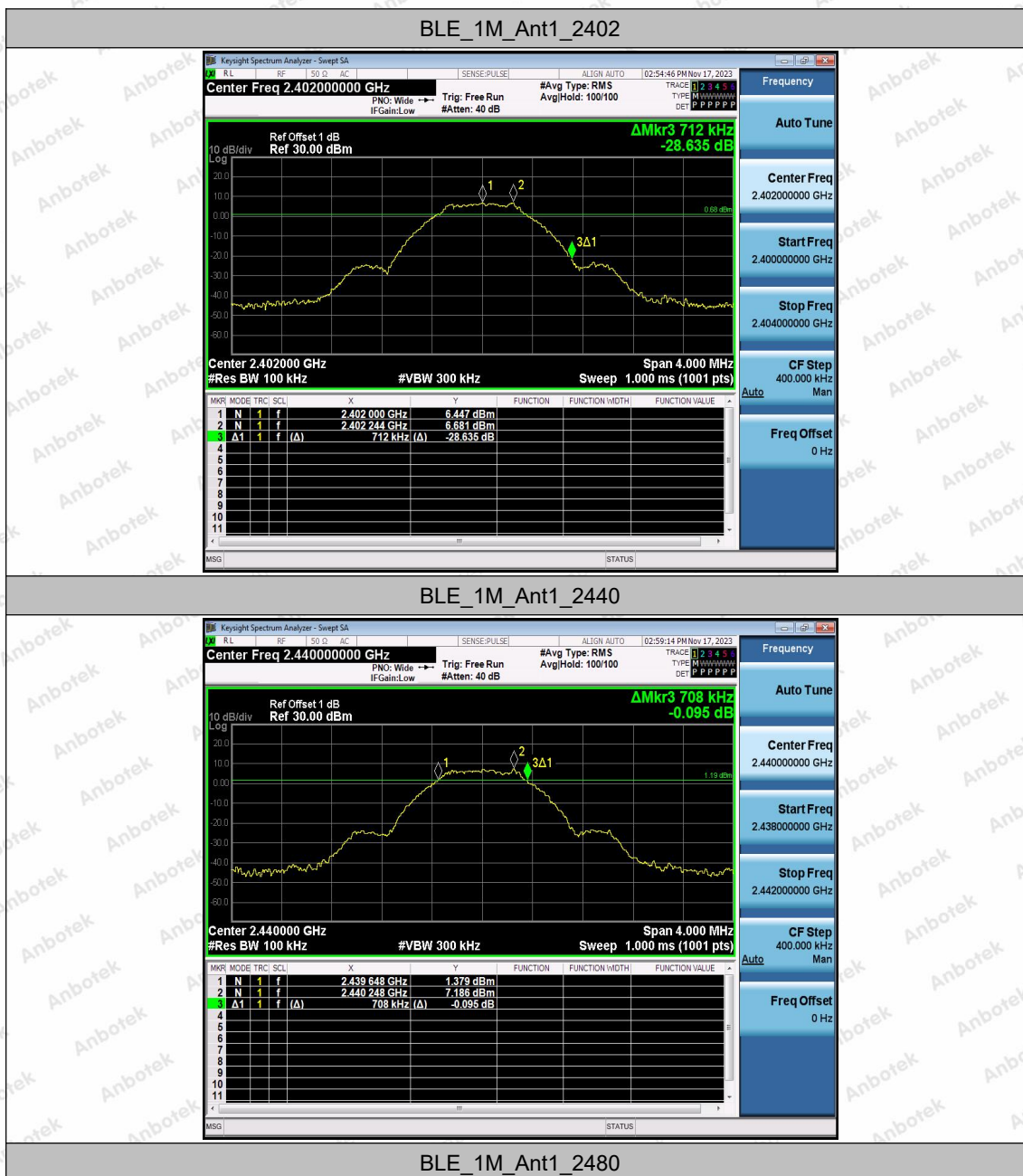
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.712	2401.640	2402.352	0.5	PASS
		2440	0.708	2439.648	2440.356	0.5	PASS
		2480	0.712	2479.640	2480.352	0.5	PASS



Test Graphs



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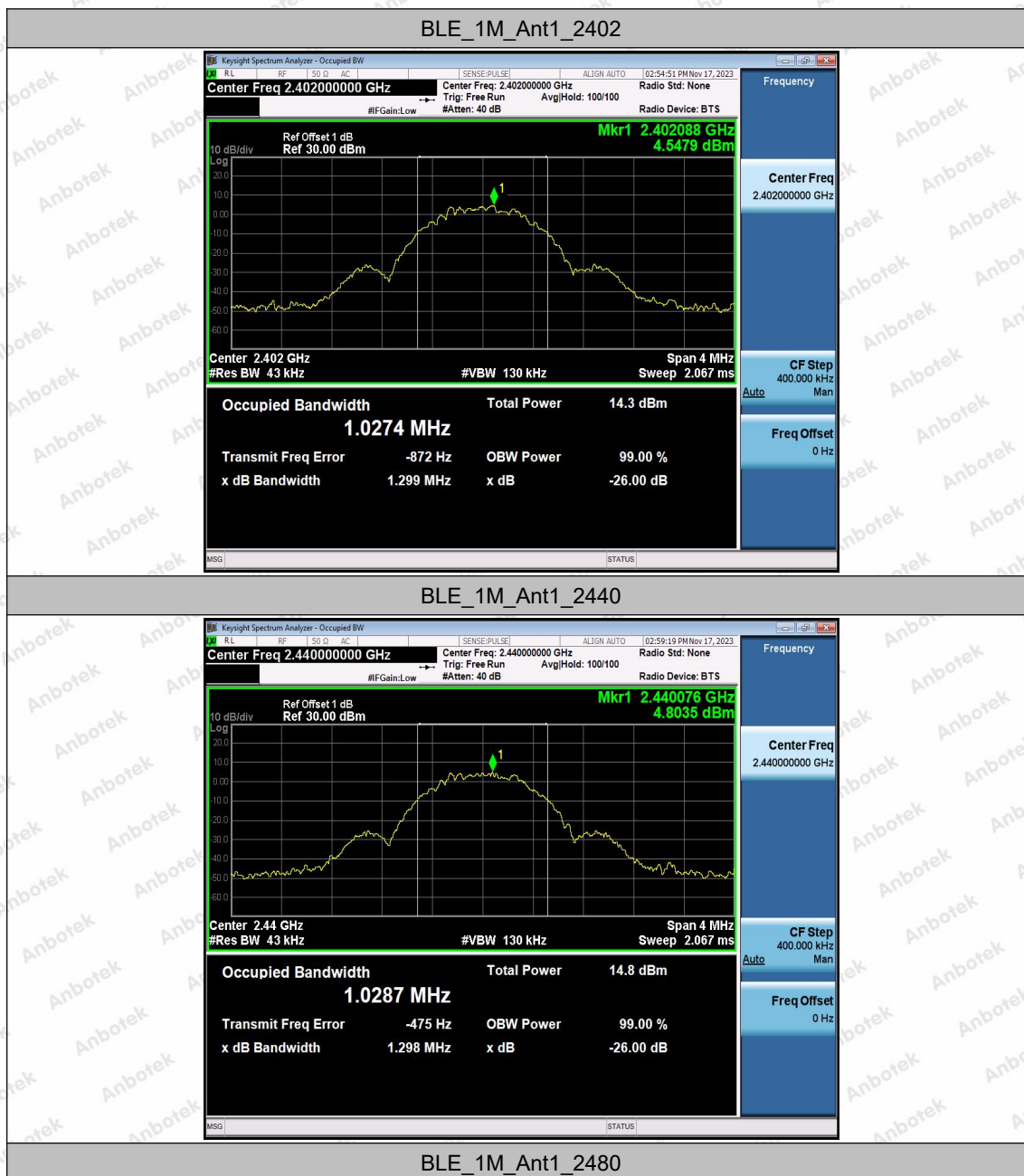
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0274	2401.4854	2402.5128
		2440	1.0287	2439.4852	2440.5139
		2480	1.0266	2479.4864	2480.5130



Test Graphs



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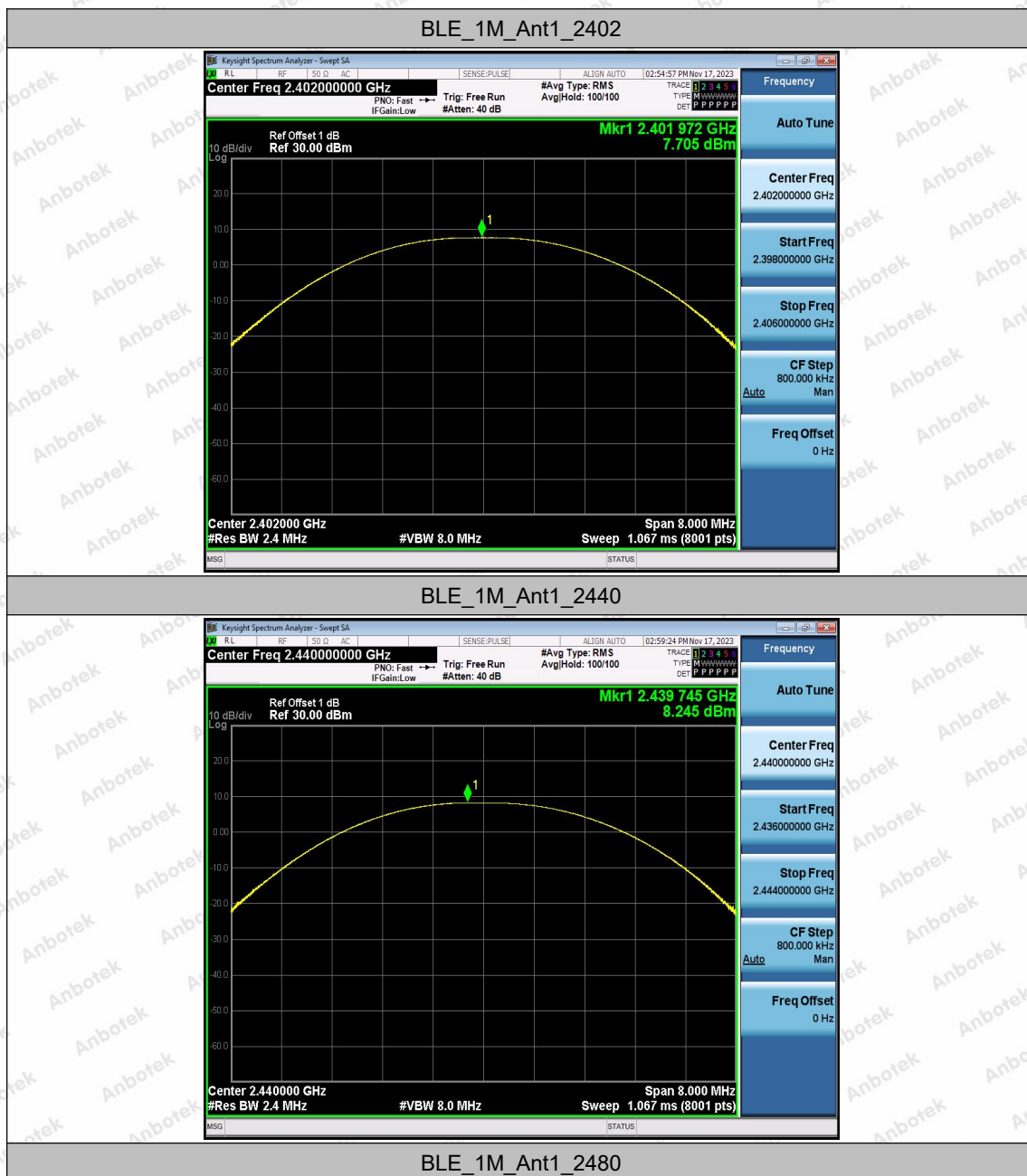
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	7.71	≤30	PASS
		2440	8.25	≤30	PASS
		2480	8.28	≤30	PASS



Test Graphs Peak



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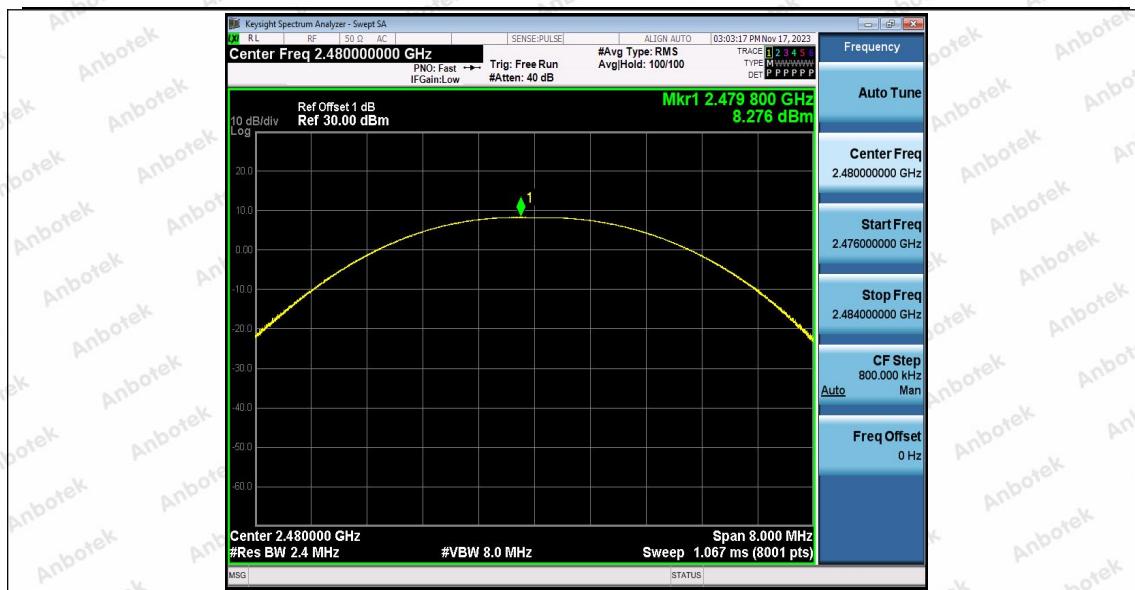
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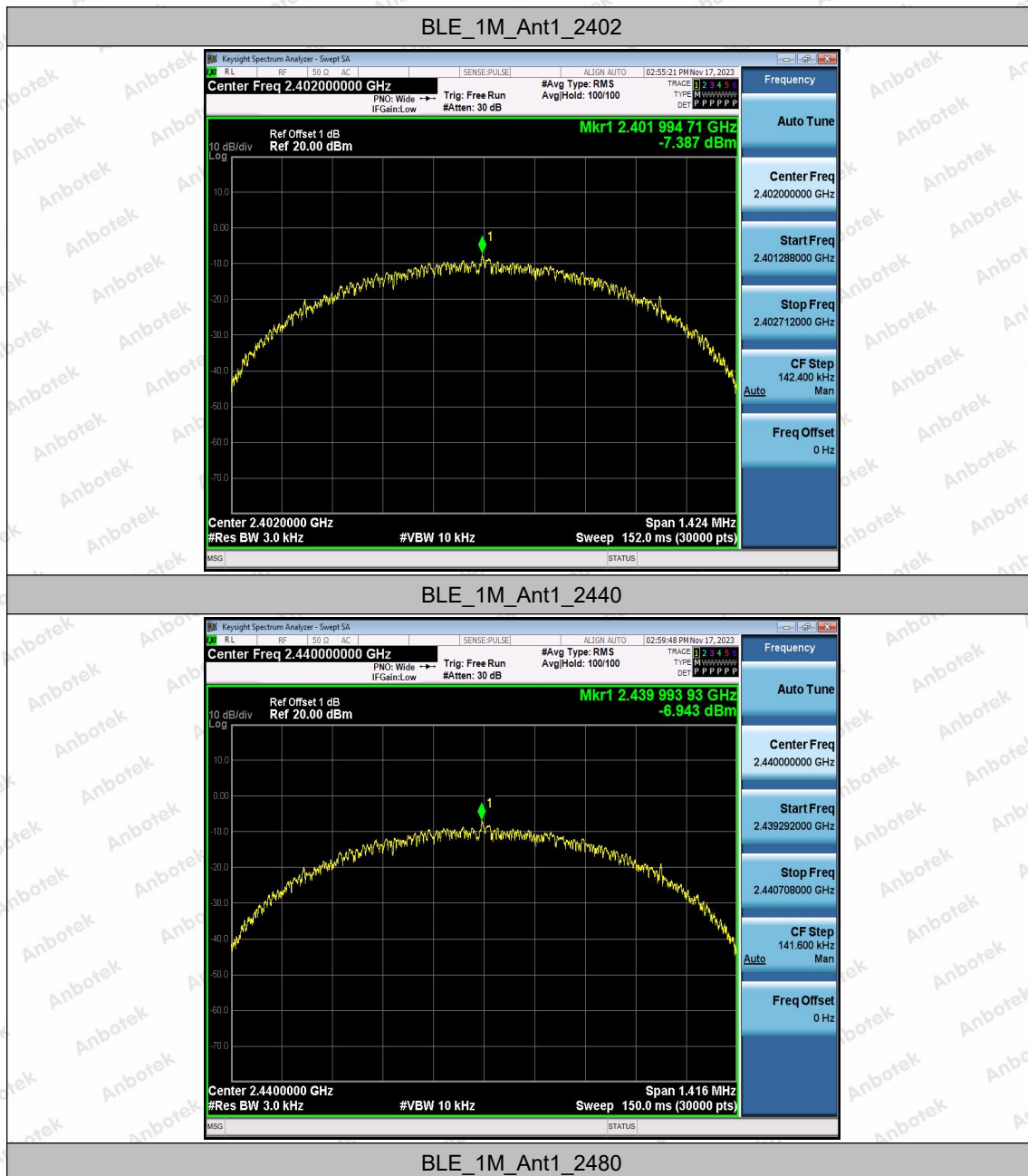
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-7.39	≤8.00	PASS
		2440	-6.94	≤8.00	PASS
		2480	-7.63	≤8.00	PASS



Test Graphs



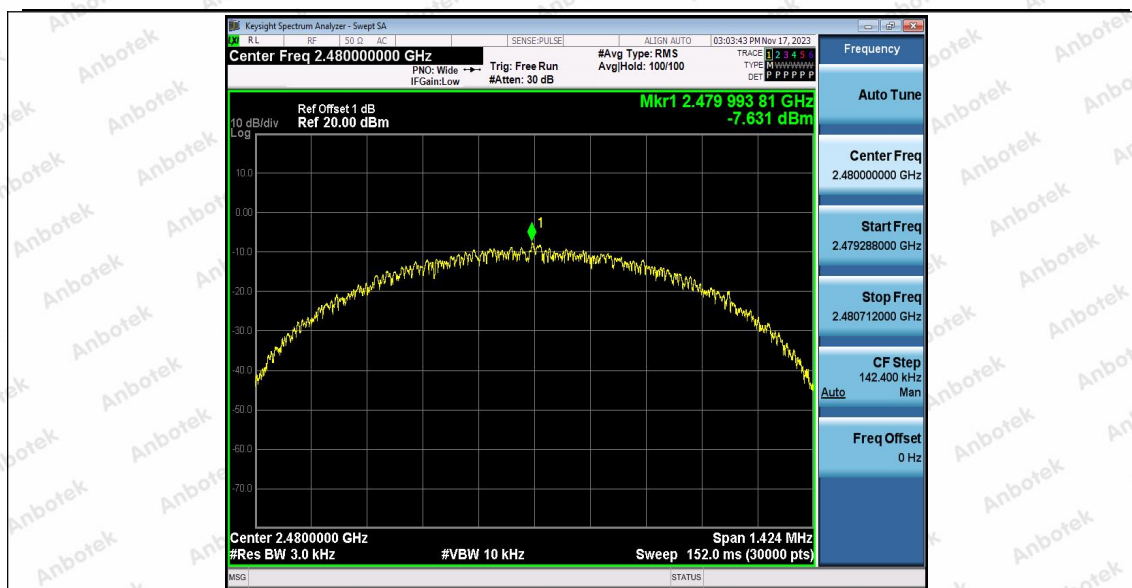
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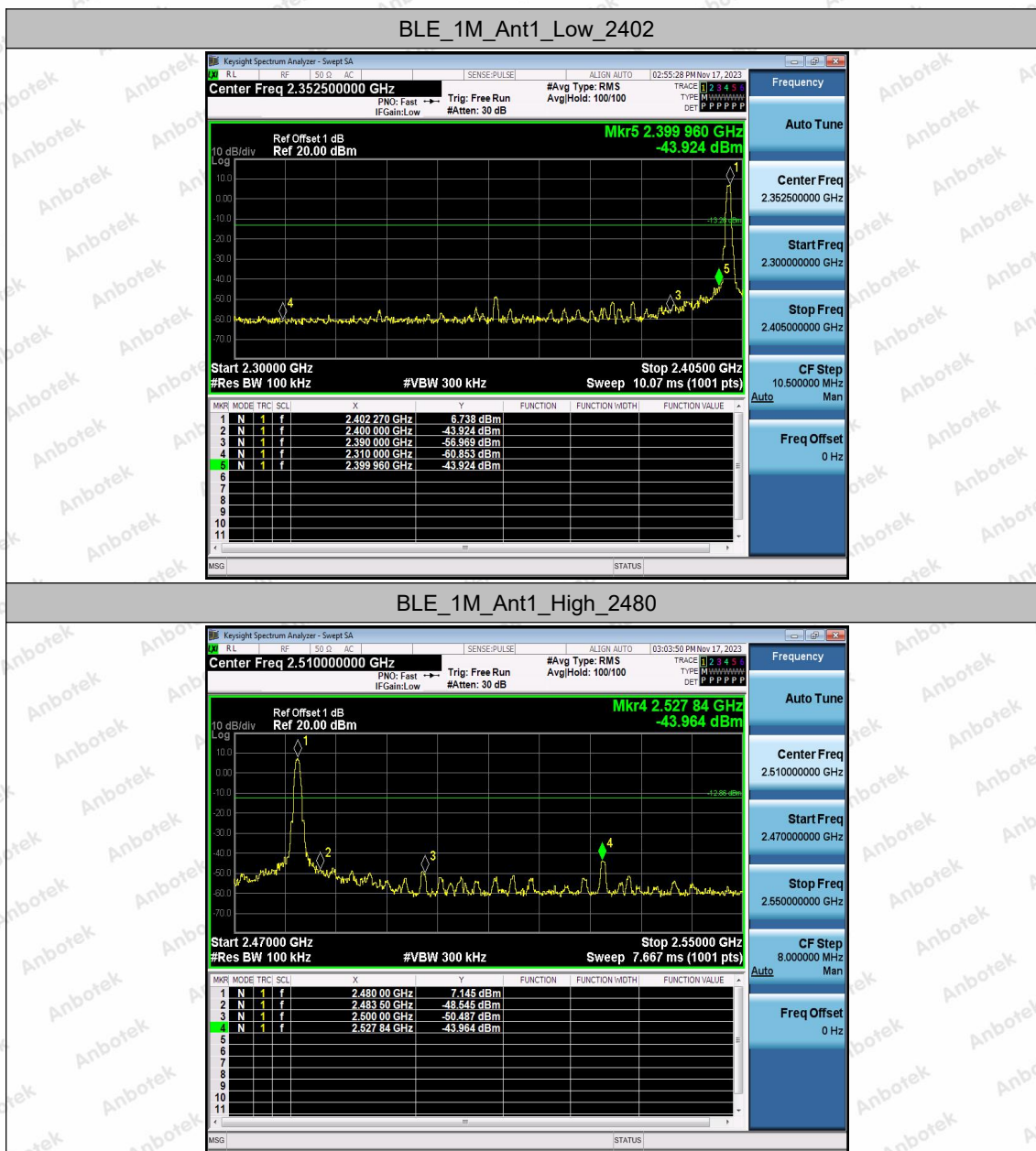
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	6.74	-43.92	≤-13.26	PASS
		High	2480	7.15	-43.96	≤-12.86	PASS



Test Graphs



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Appendix F: Conducted Spurious Emission

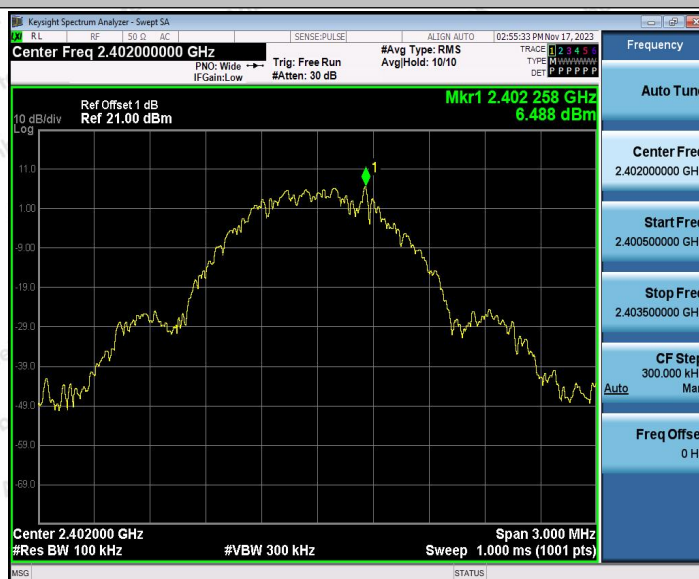
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	6.49	6.49	---	PASS
			30~1000	6.49	-57.13	≤-13.51	PASS
			1000~26500	6.49	-34.55	≤-13.51	PASS
		2440	Reference	7.18	7.18	---	PASS
			30~1000	7.18	-60.18	≤-12.82	PASS
			1000~26500	7.18	-35.89	≤-12.82	PASS
		2480	Reference	6.48	6.48	---	PASS
			30~1000	6.48	-64.02	≤-13.52	PASS
			1000~26500	6.48	-39.54	≤-13.52	PASS



Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

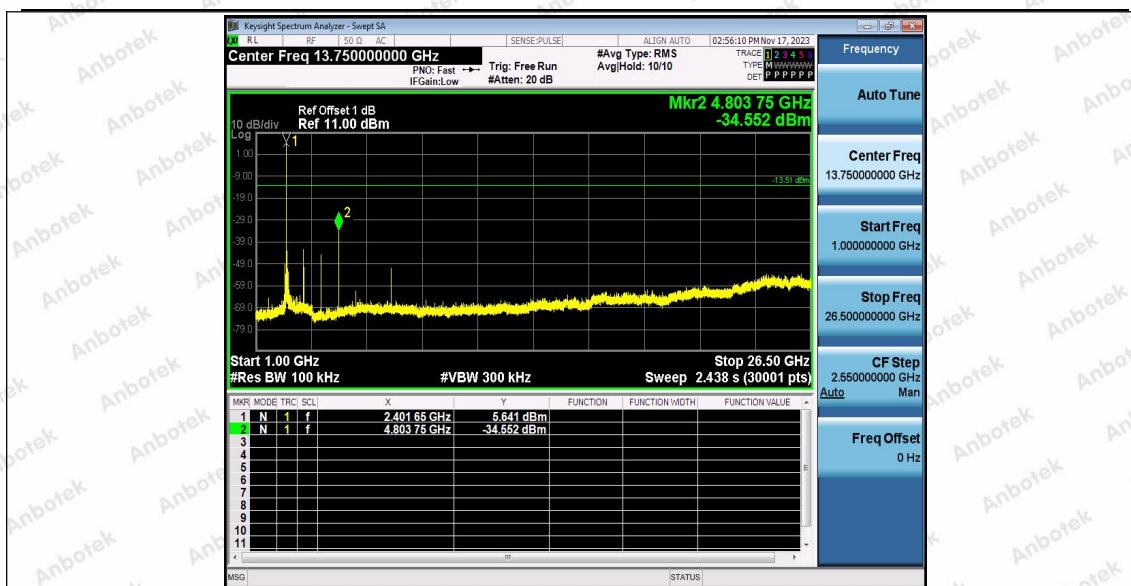
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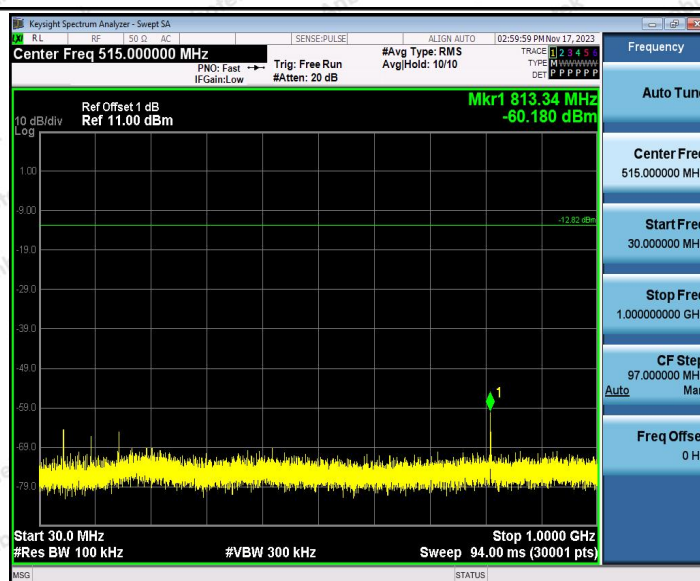


BLE_1M_Ant1_2440_0~Reference

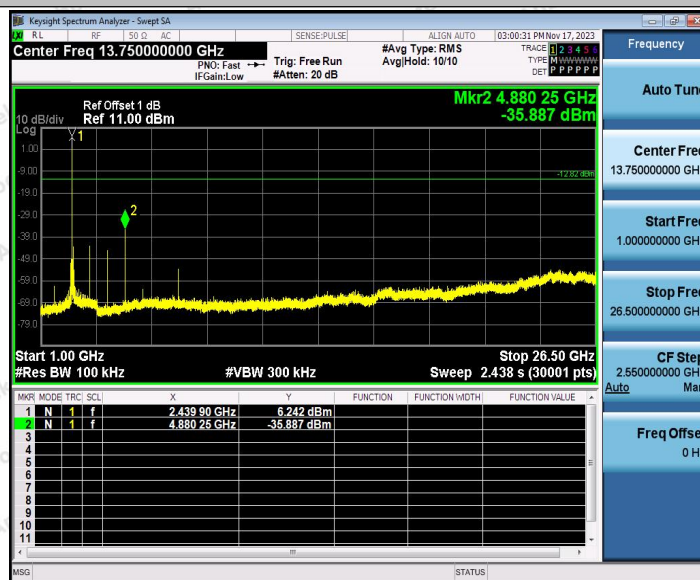


BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

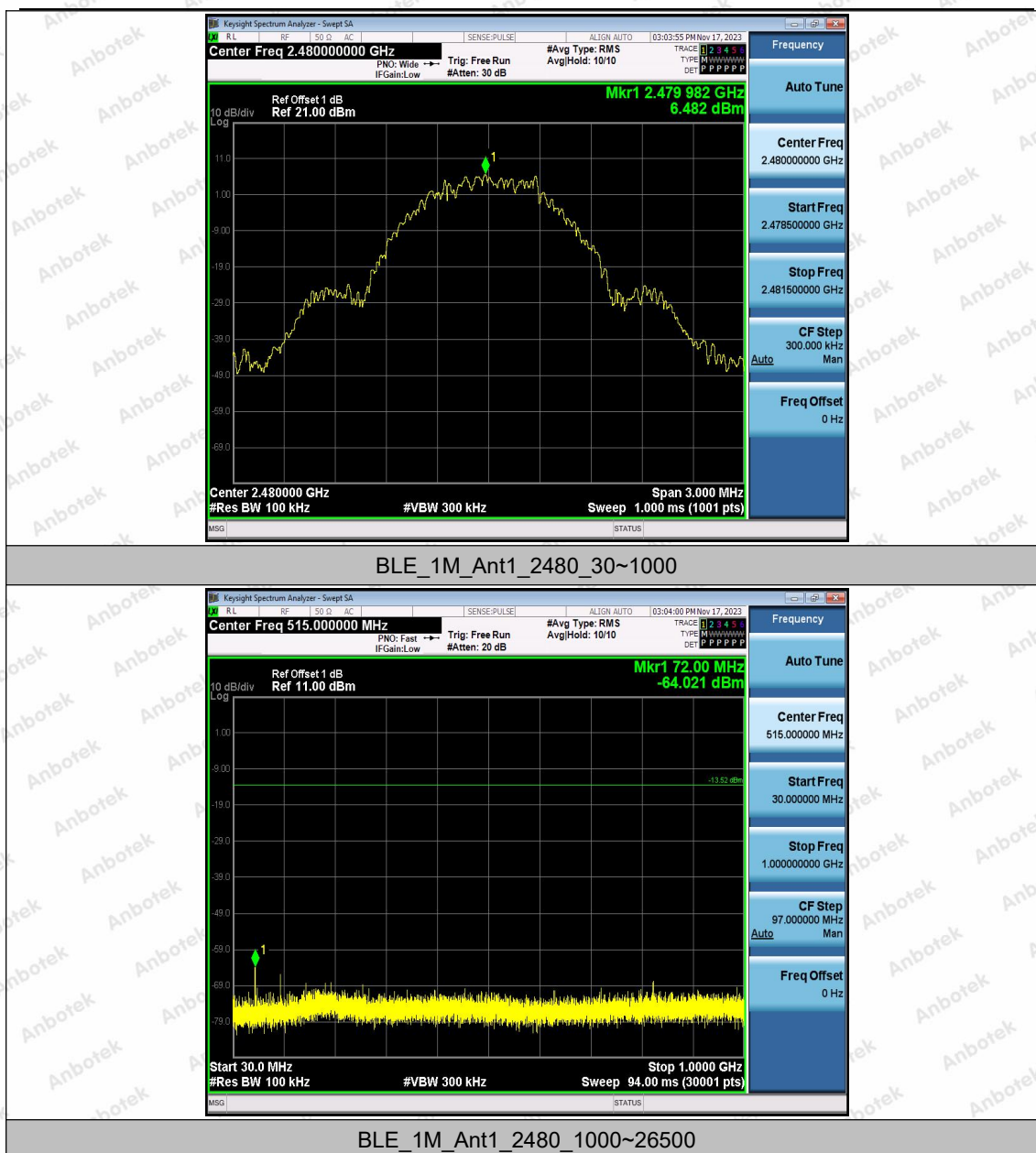
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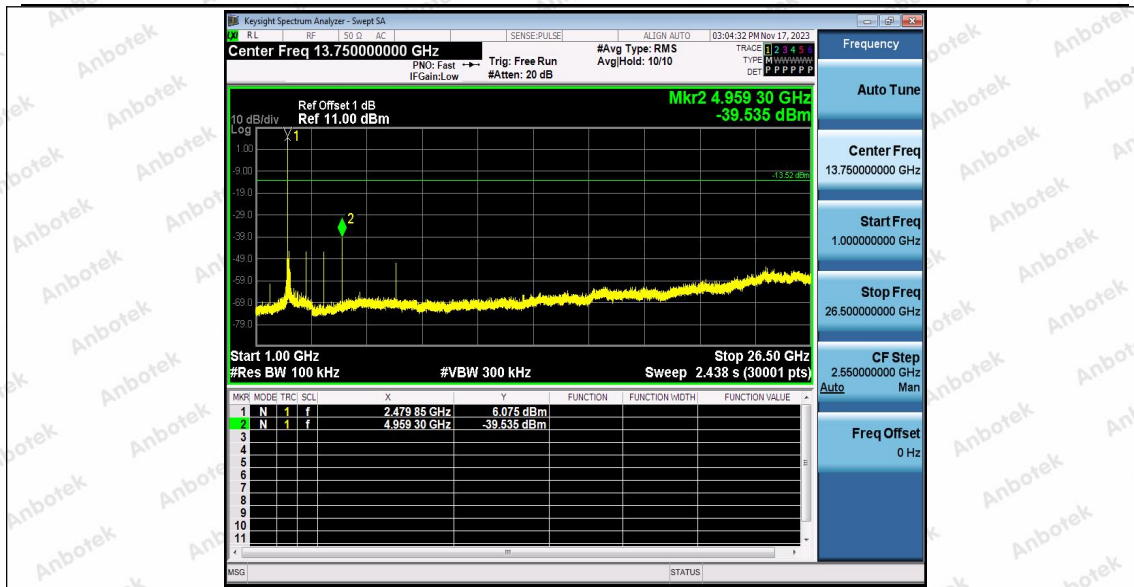
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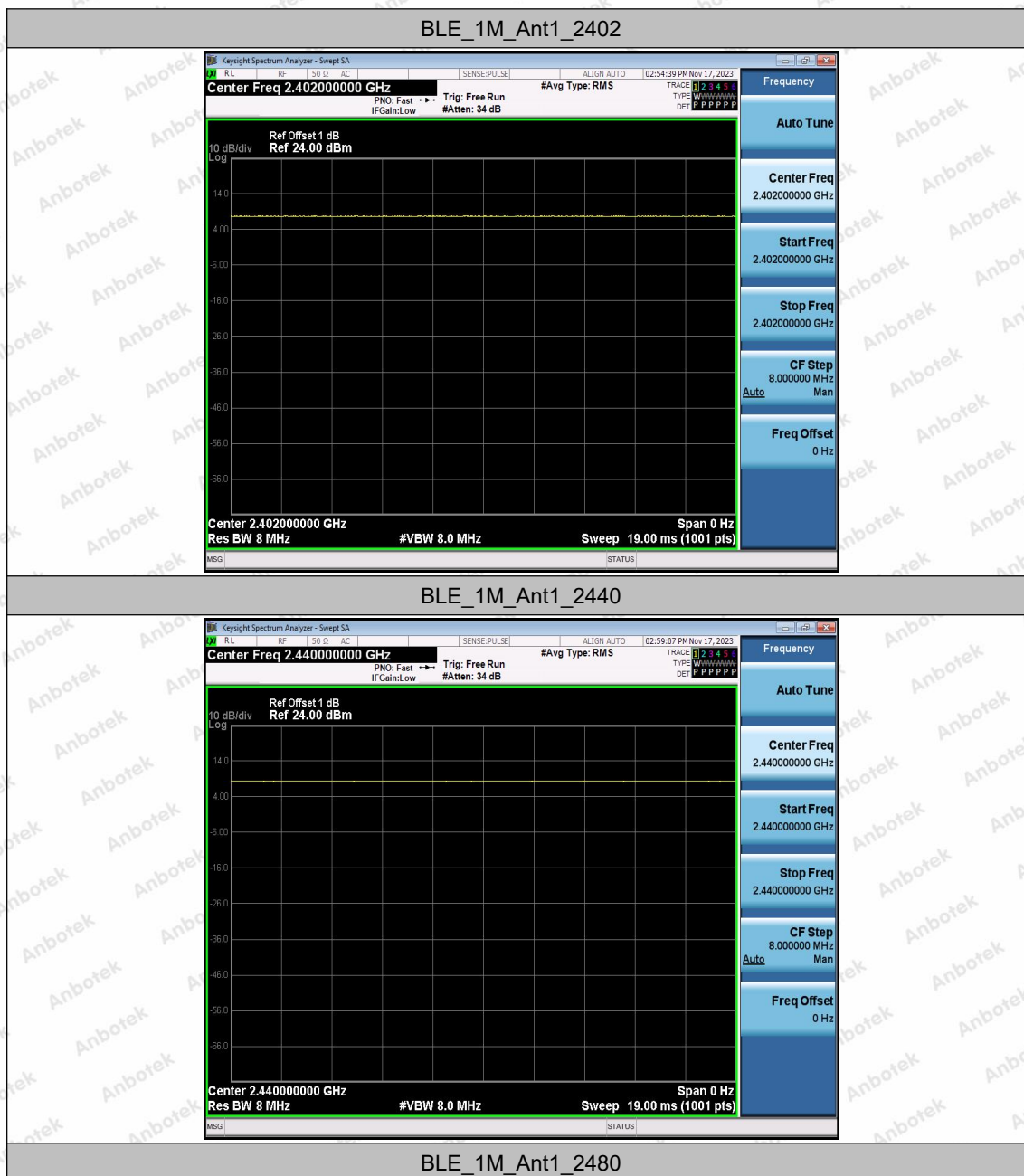
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	19.00	19.00	100	0.00
		2440	19.00	19.00	100	0.00
		2480	19.00	19.00	100	0.00



Test Graphs



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