

Appendix Test Data

Report No.:	18220WC30017201	Test Sample No.:	1-2-2
Start Test Date:	2023.2.9	Finish Test Date:	2023.2.15
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	22.3°C	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	0.680	2401.648	2402.328	0.5	PASS
		2440	0.684	2439.652	2440.336	0.5	PASS
		2480	0.700	2479.648	2480.348	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

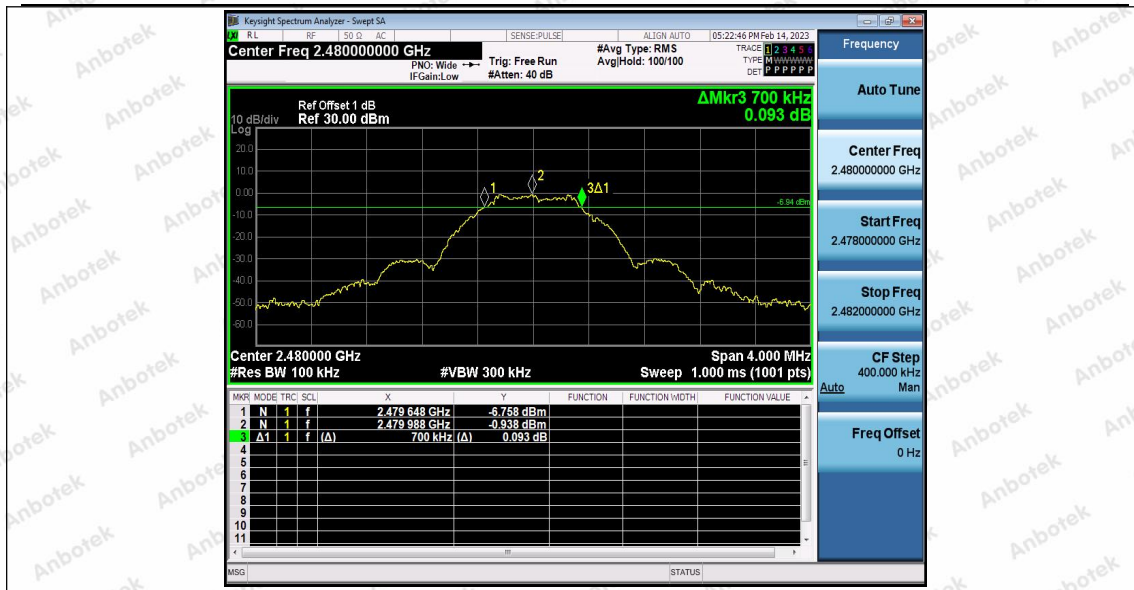
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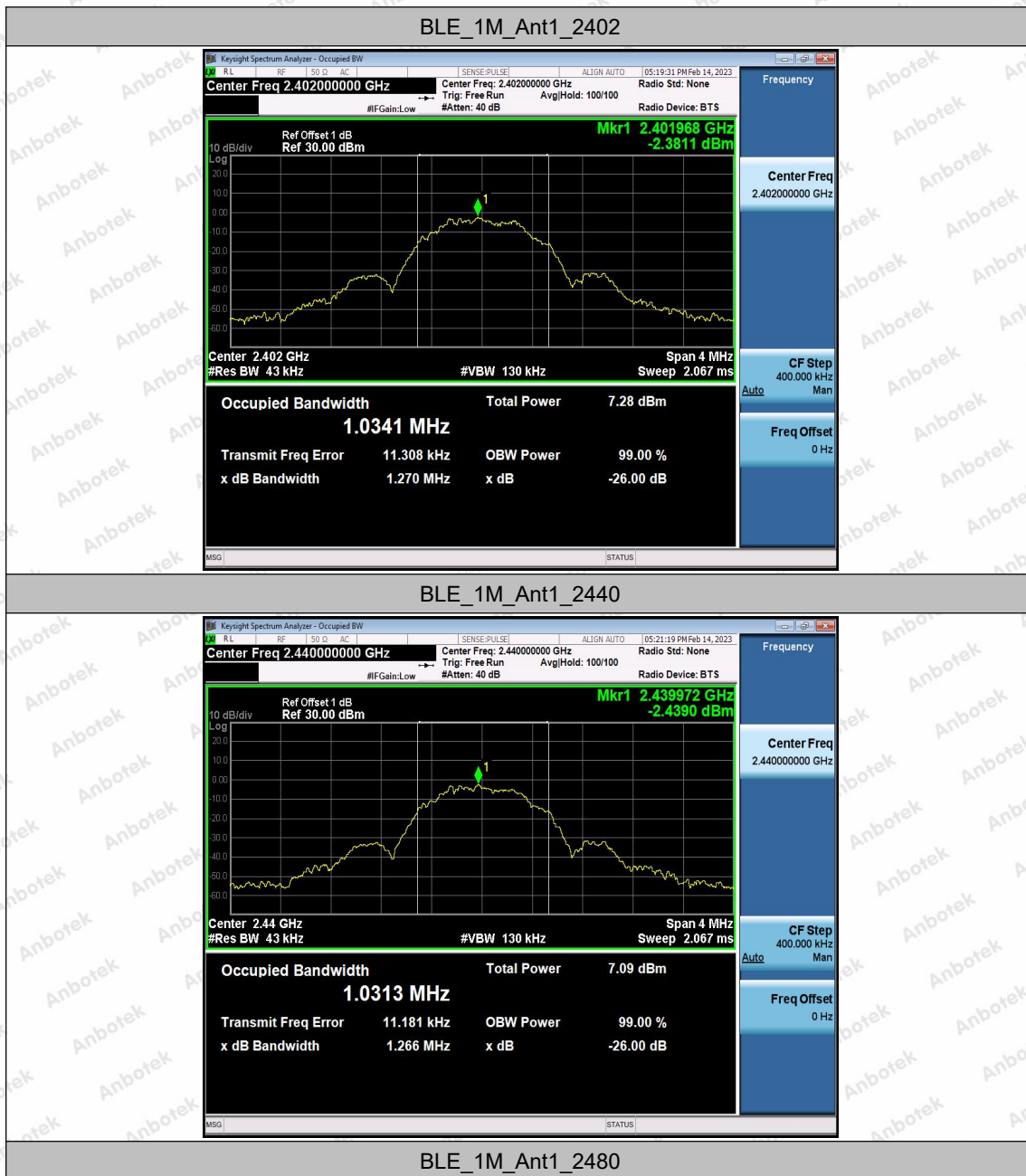
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0341	2401.4943	2402.5284
		2440	1.0313	2439.4955	2440.5268
		2480	1.0312	2479.4955	2480.5267



Test Graphs



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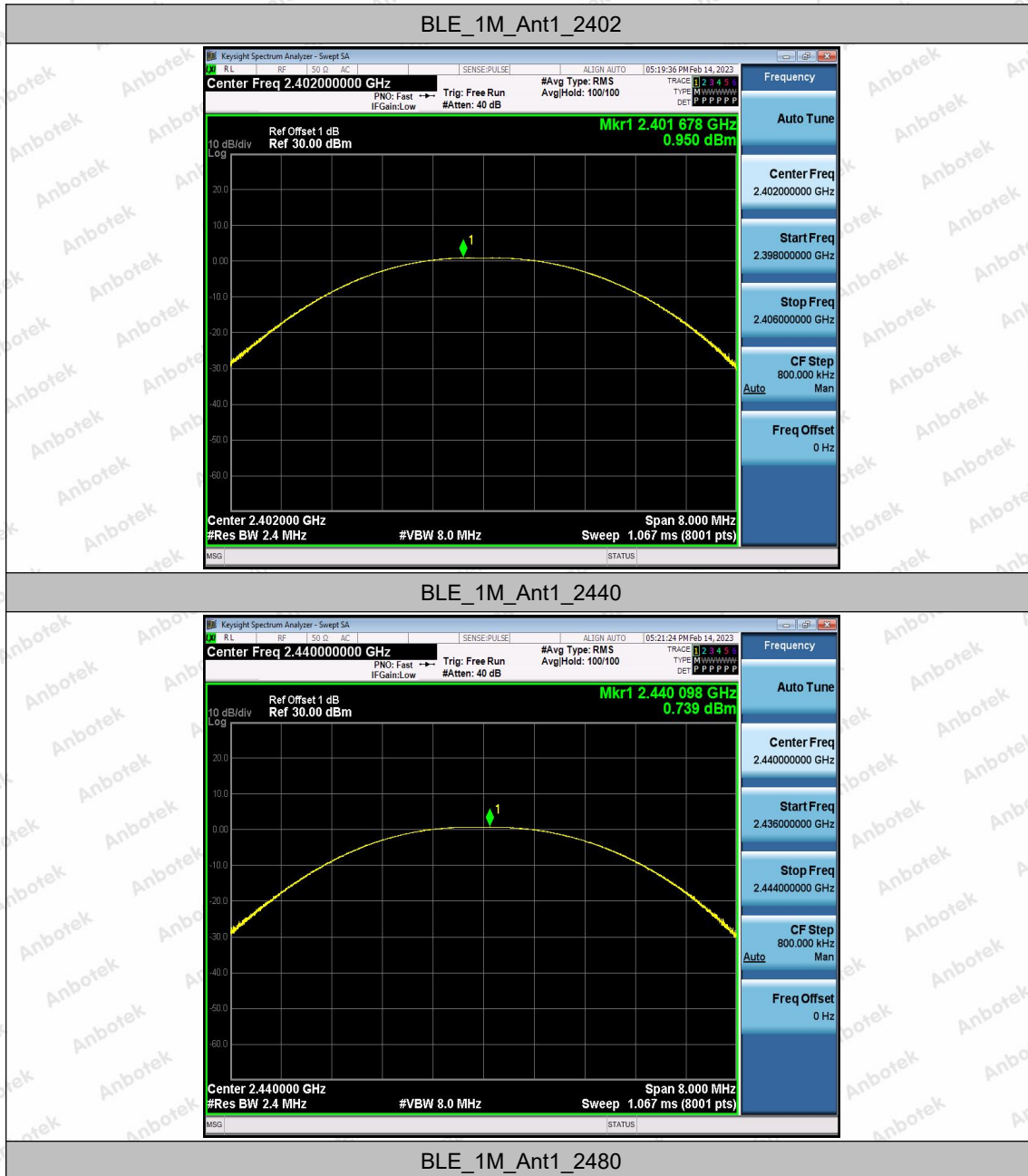
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.95	≤30	PASS
		2440	0.74	≤30	PASS
		2480	-0.15	≤30	PASS



Test Graphs Peak



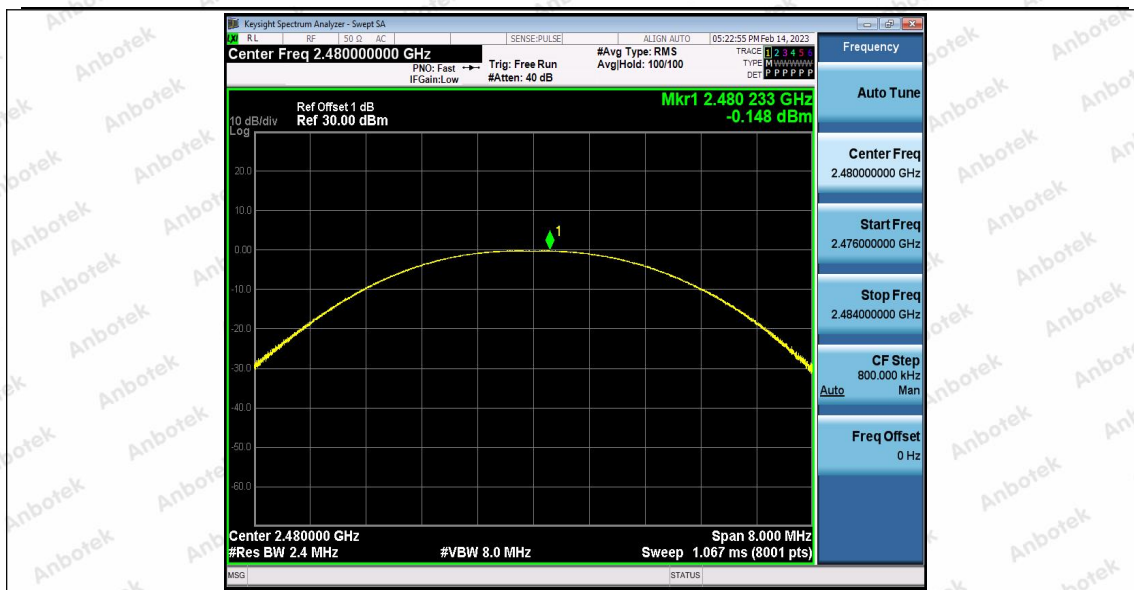
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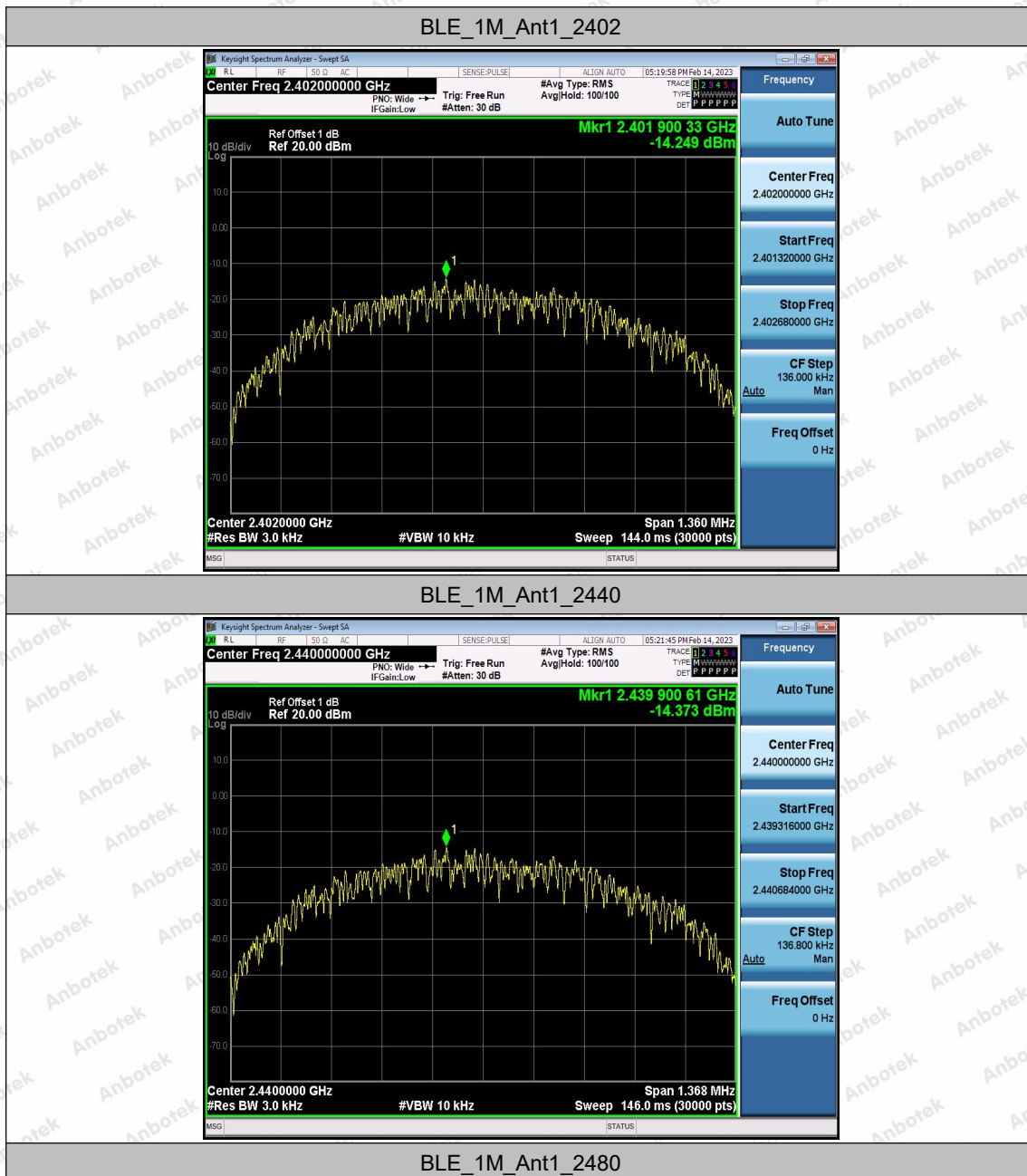
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.25	≤8.00	PASS
		2440	-14.37	≤8.00	PASS
		2480	-15.04	≤8.00	PASS



Test Graphs



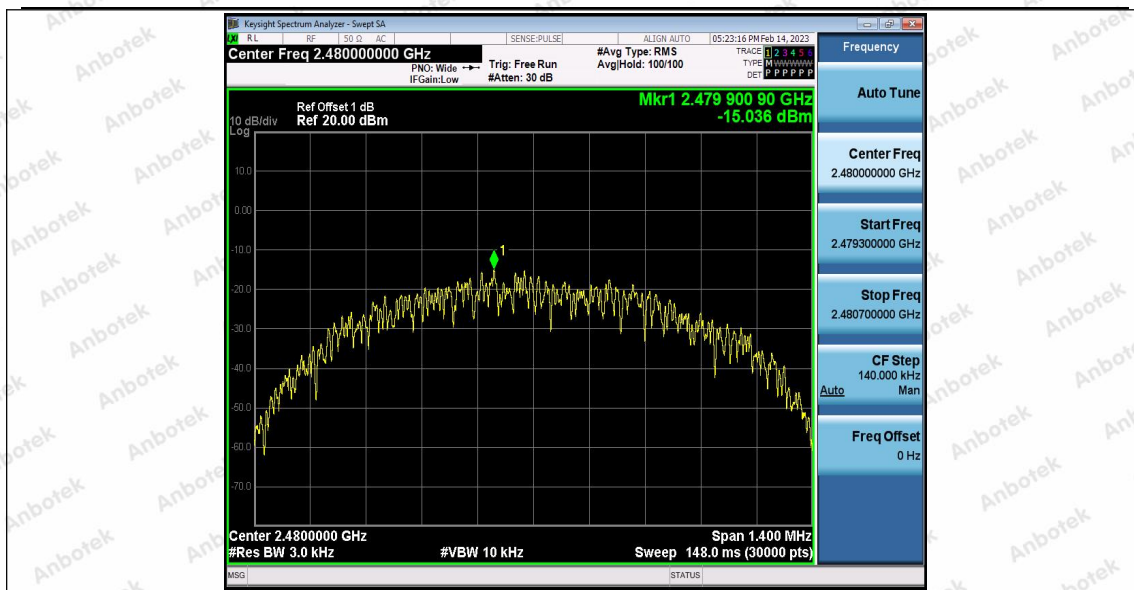
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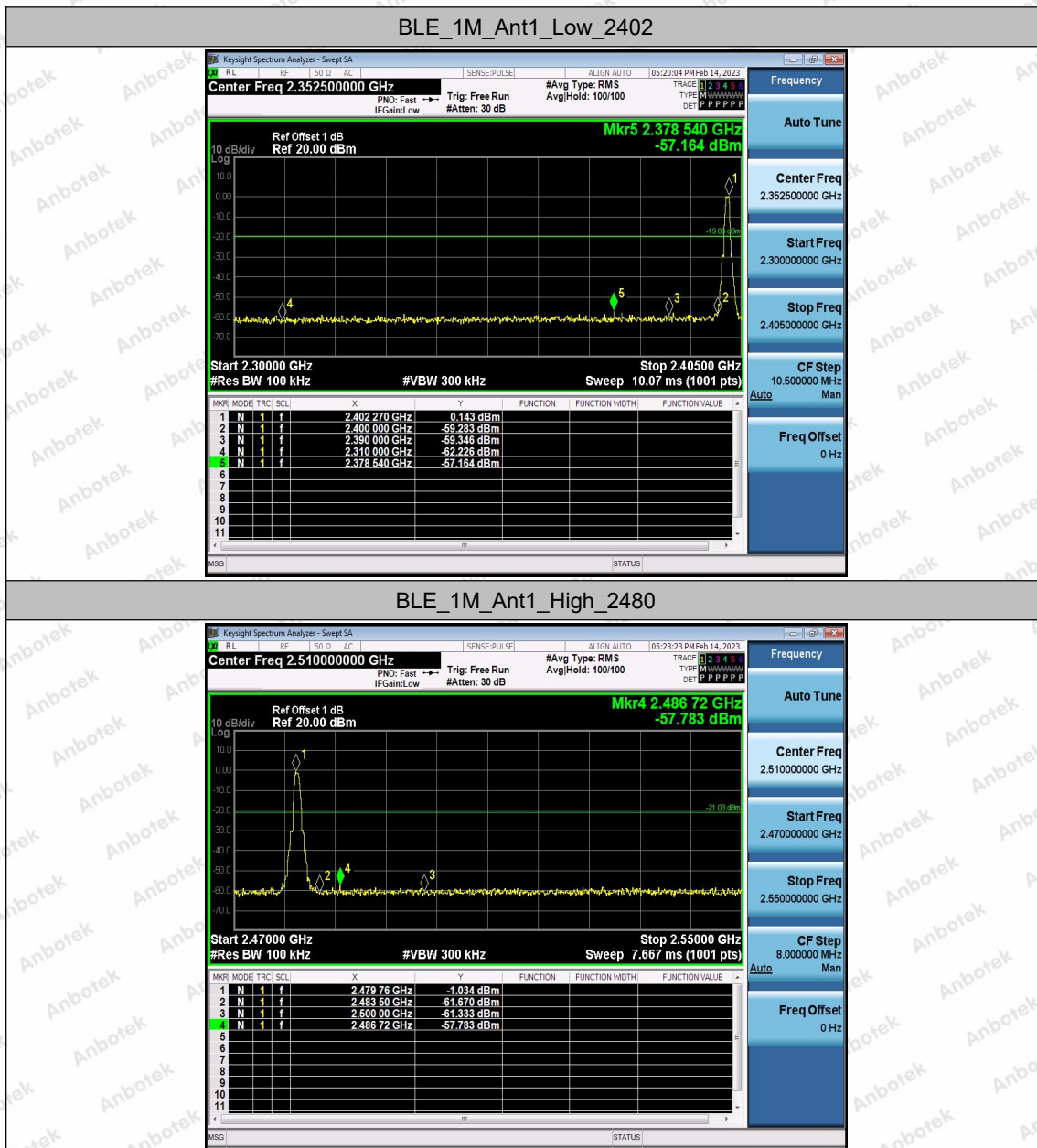
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.14	-57.16	≤-19.86	PASS
		High	2480	-1.03	-57.78	≤-21.03	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	-0.37	-0.37	---	PASS
			30~1000	-0.37	-68.78	≤-20.37	PASS
			1000~26500	-0.37	-53.15	≤-20.37	PASS
		2440	Reference	-0.44	-0.44	---	PASS
			30~1000	-0.44	-69.05	≤-20.44	PASS
			1000~26500	-0.44	-52.77	≤-20.44	PASS
		2480	Reference	-1.06	-1.06	---	PASS
			30~1000	-1.06	-68.72	≤-21.06	PASS
			1000~26500	-1.06	-53.53	≤-21.06	PASS

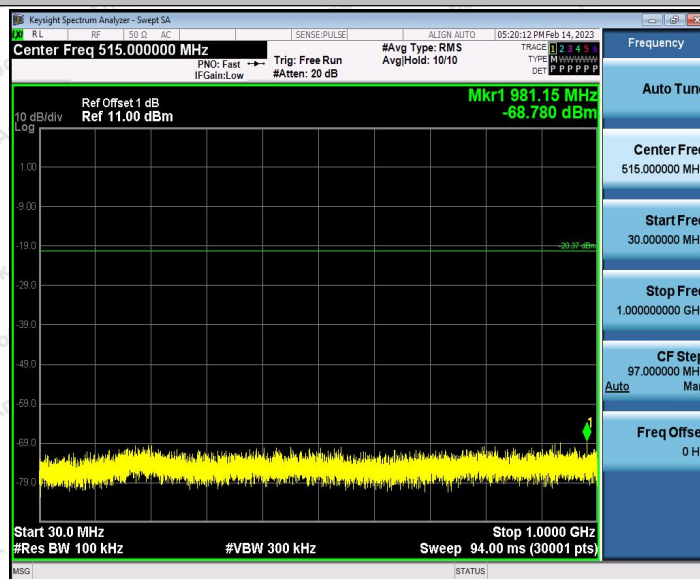


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

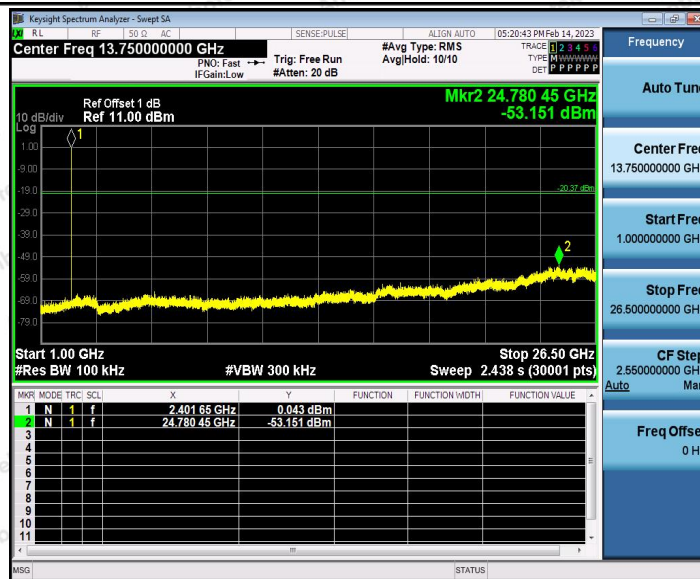
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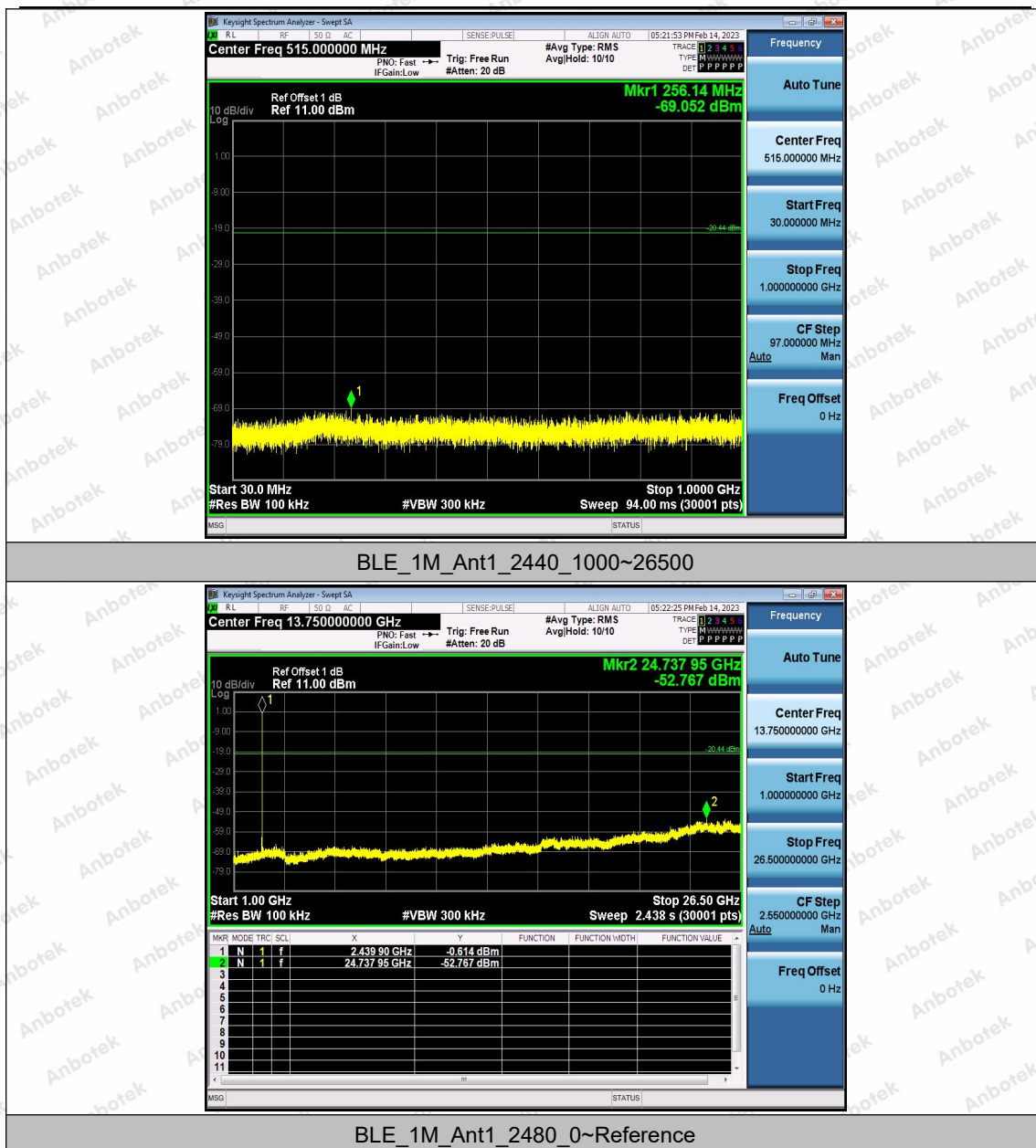


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000







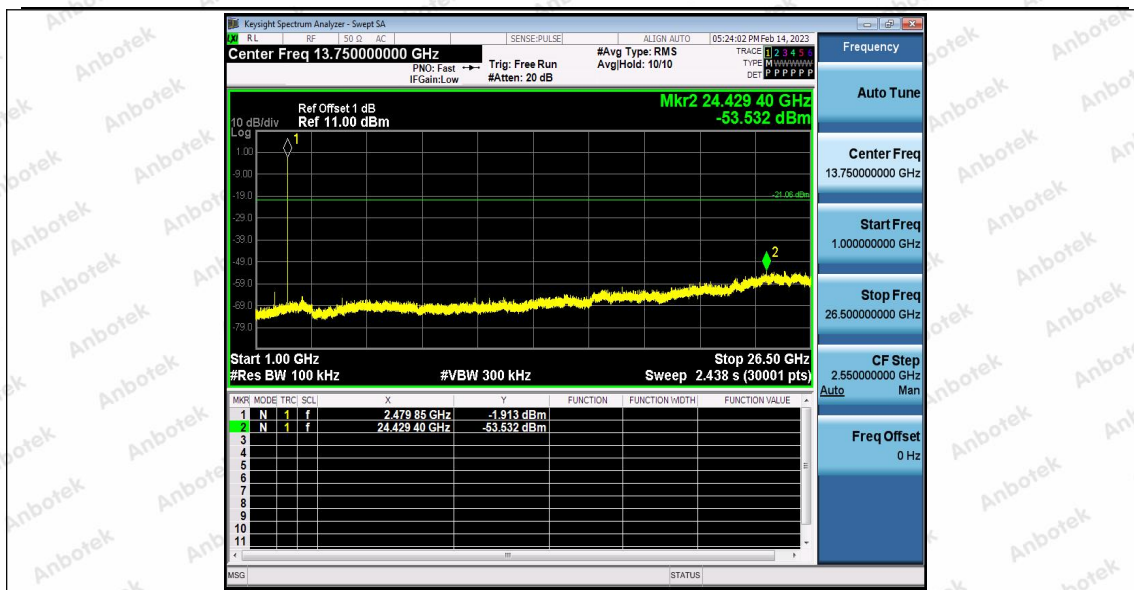
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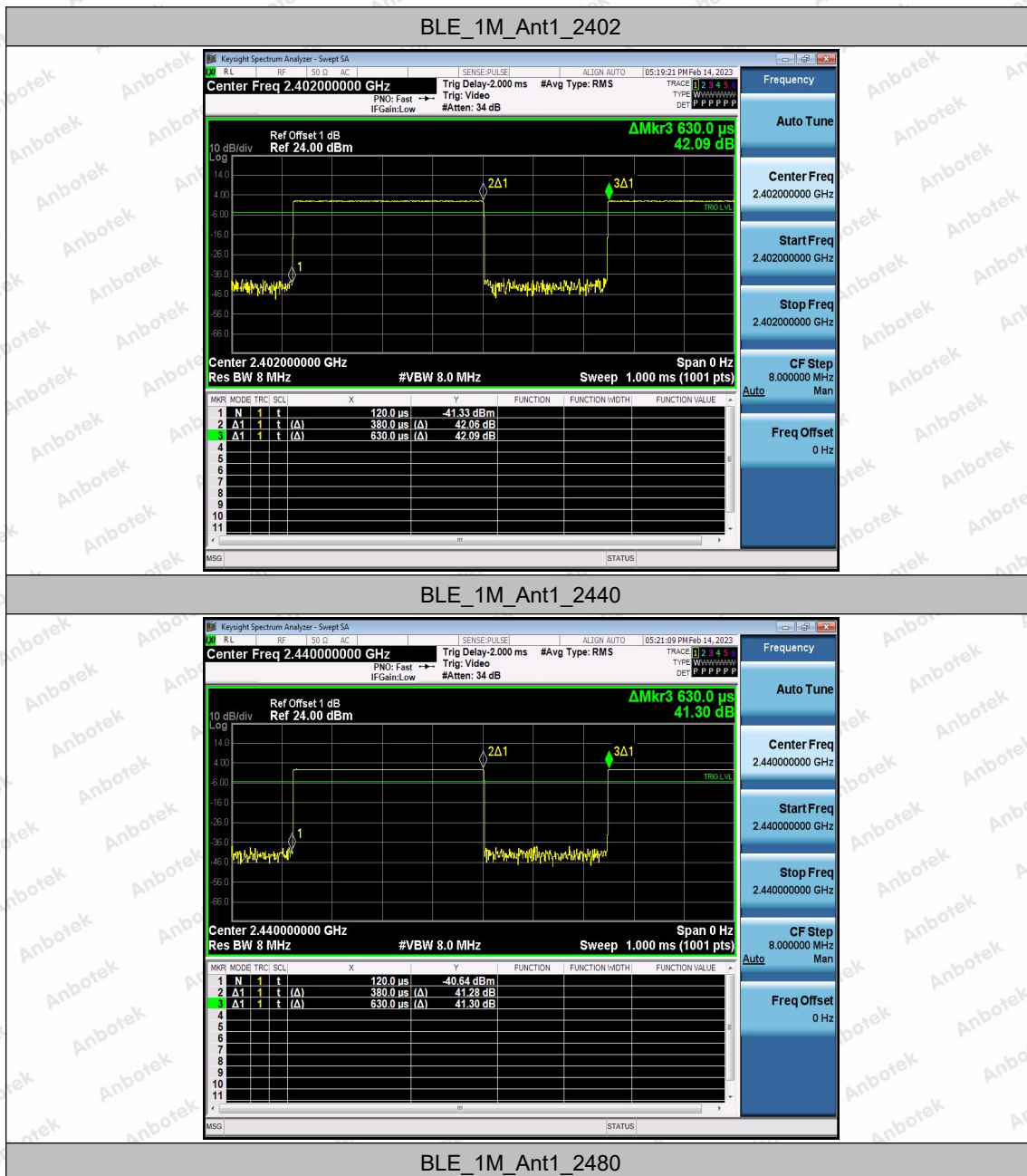
Appendix G: Duty Cycle

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



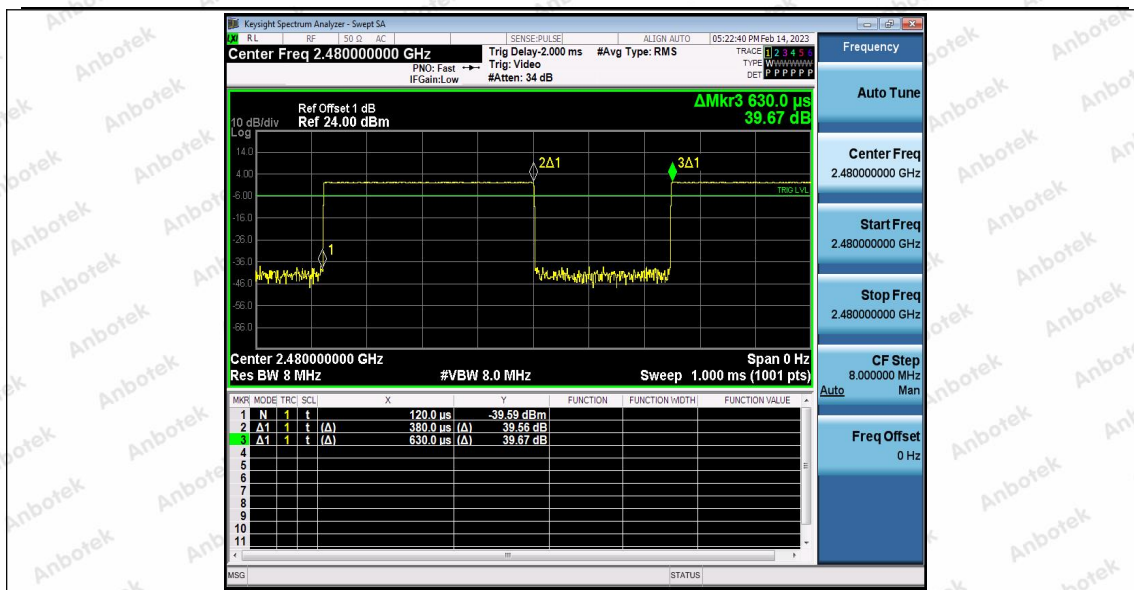
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