

Appendix Test Data

Report No.:	18220WC20292002	Test Sample No.:	1-2-2
Start Test Date:	2022.12.22	Finish Test Date:	2023.1.6
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°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	0.684	2401.652	2402.336	0.5	PASS
		2440	0.672	2439.668	2440.340	0.5	PASS
		2480	0.664	2479.668	2480.332	0.5	PASS







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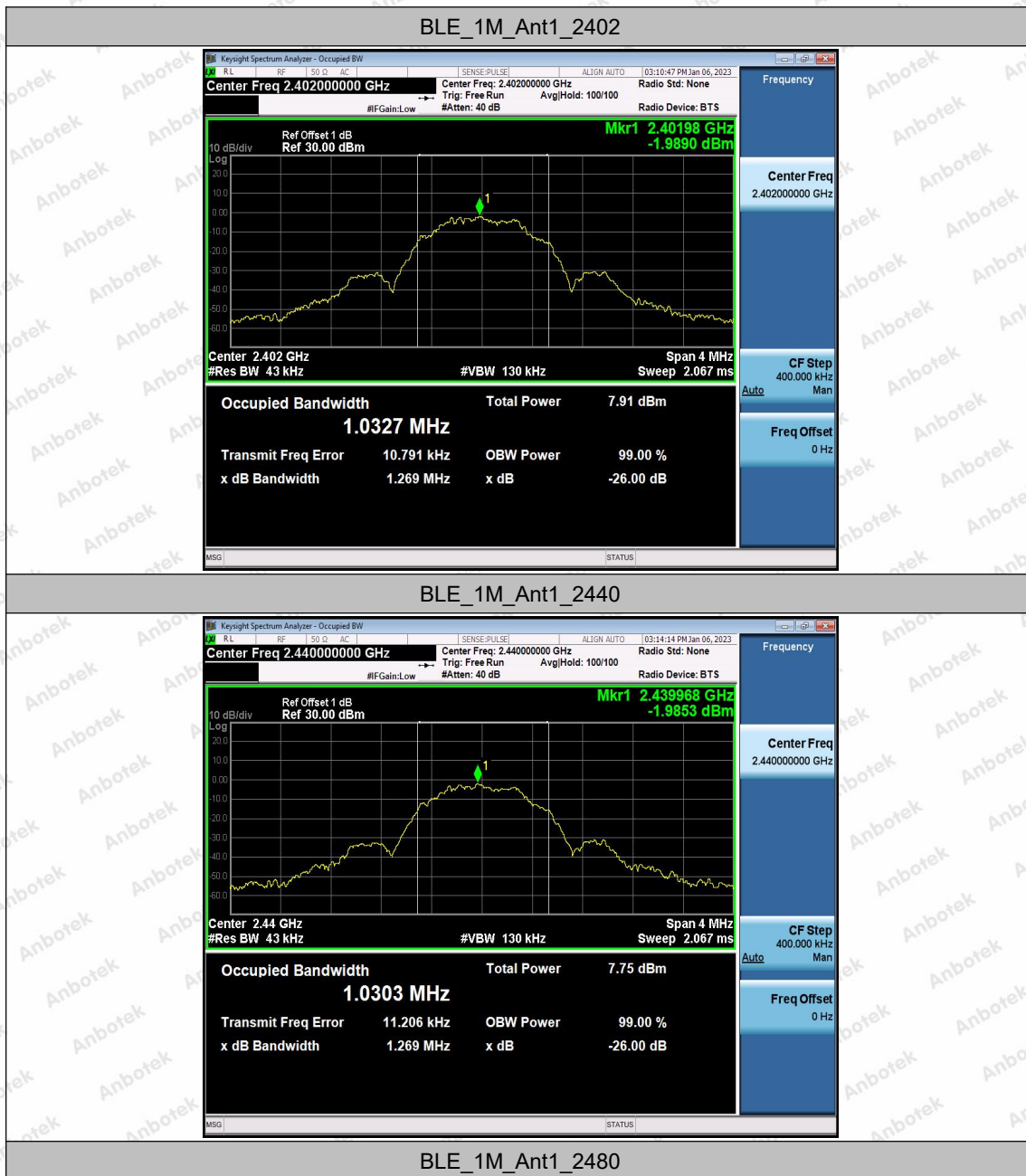
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0327	2401.4944	2402.5271
		2440	1.0303	2439.4961	2440.5264
		2480	1.0292	2479.4944	2480.5236



Test Graphs



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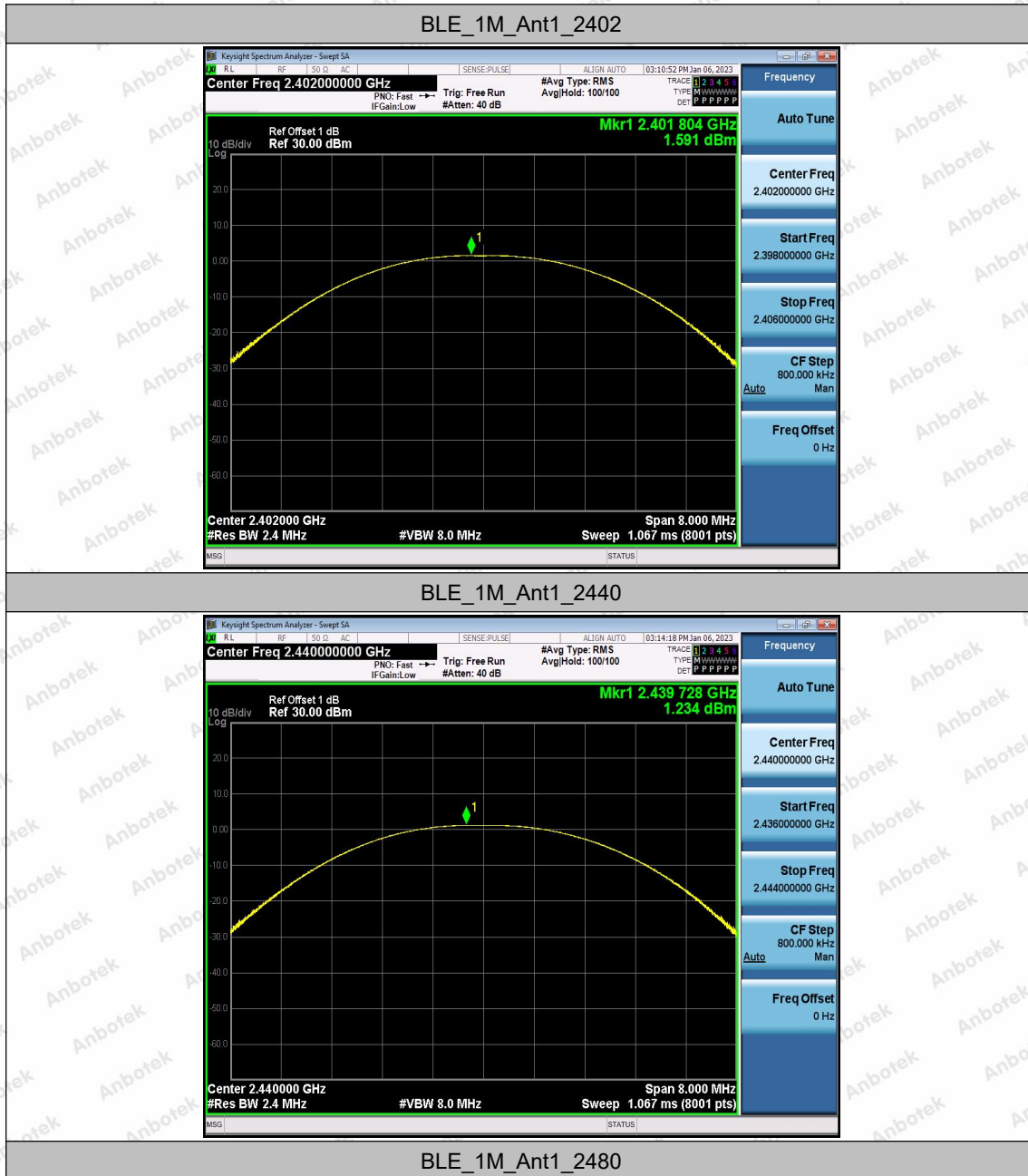
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.59	≤30	PASS
		2440	1.23	≤30	PASS
		2480	0.57	≤30	PASS



Test Graphs Peak



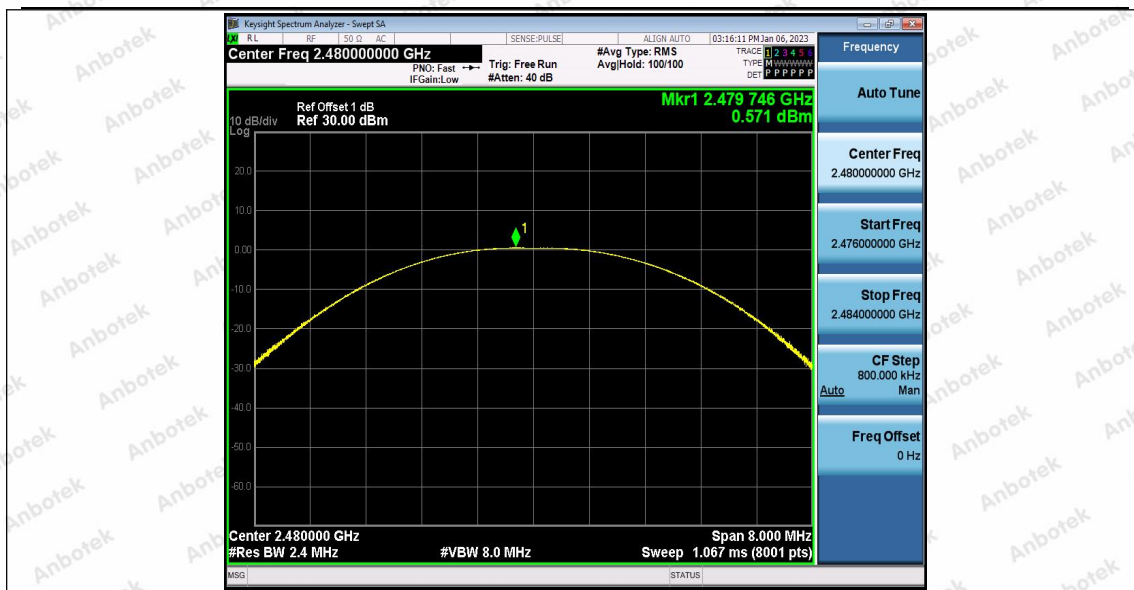
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Appendix D: Maximum power spectral density

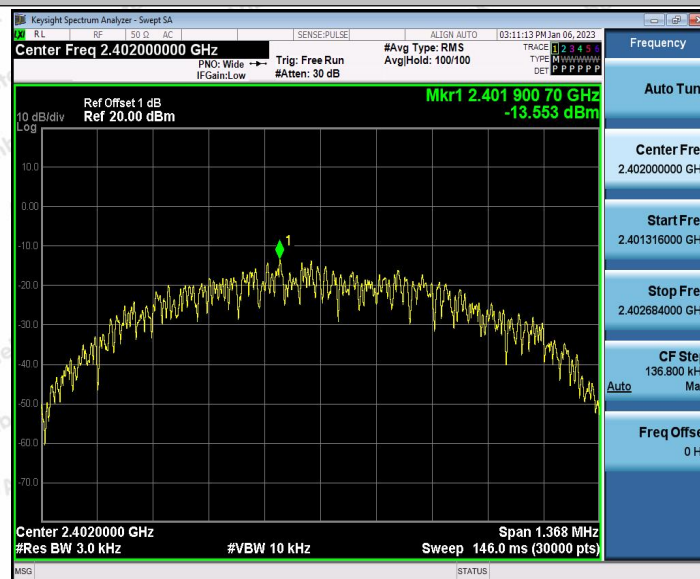
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.55	≤8.00	PASS
		2440	-13.84	≤8.00	PASS
		2480	-14.6	≤8.00	PASS

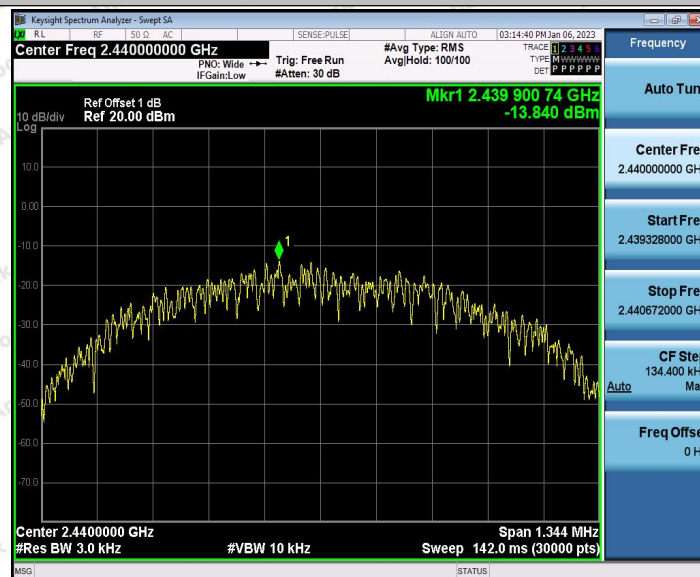


Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

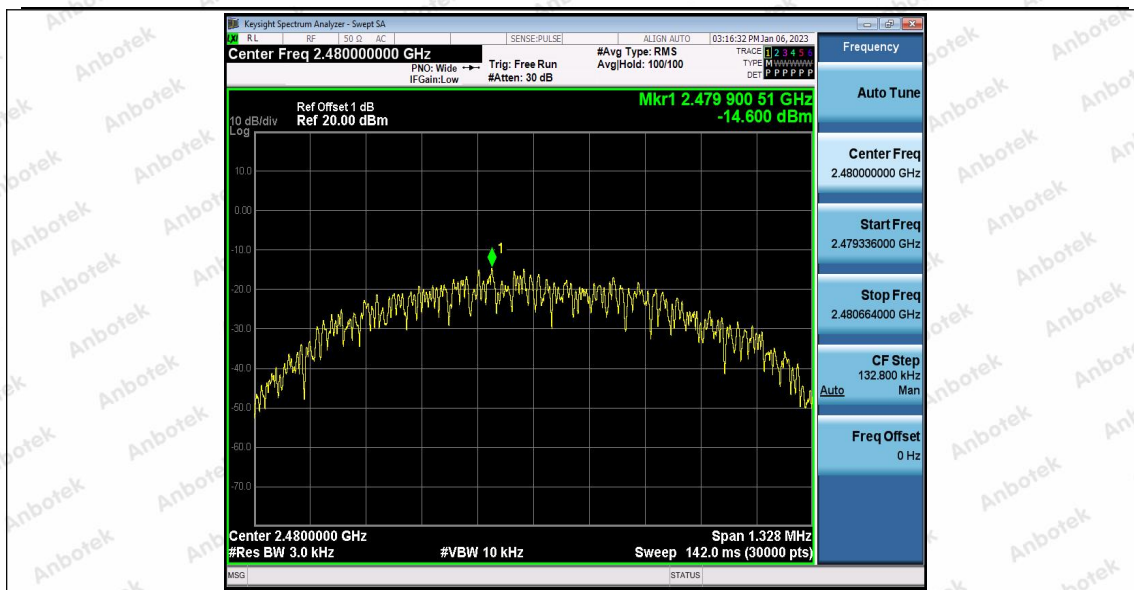
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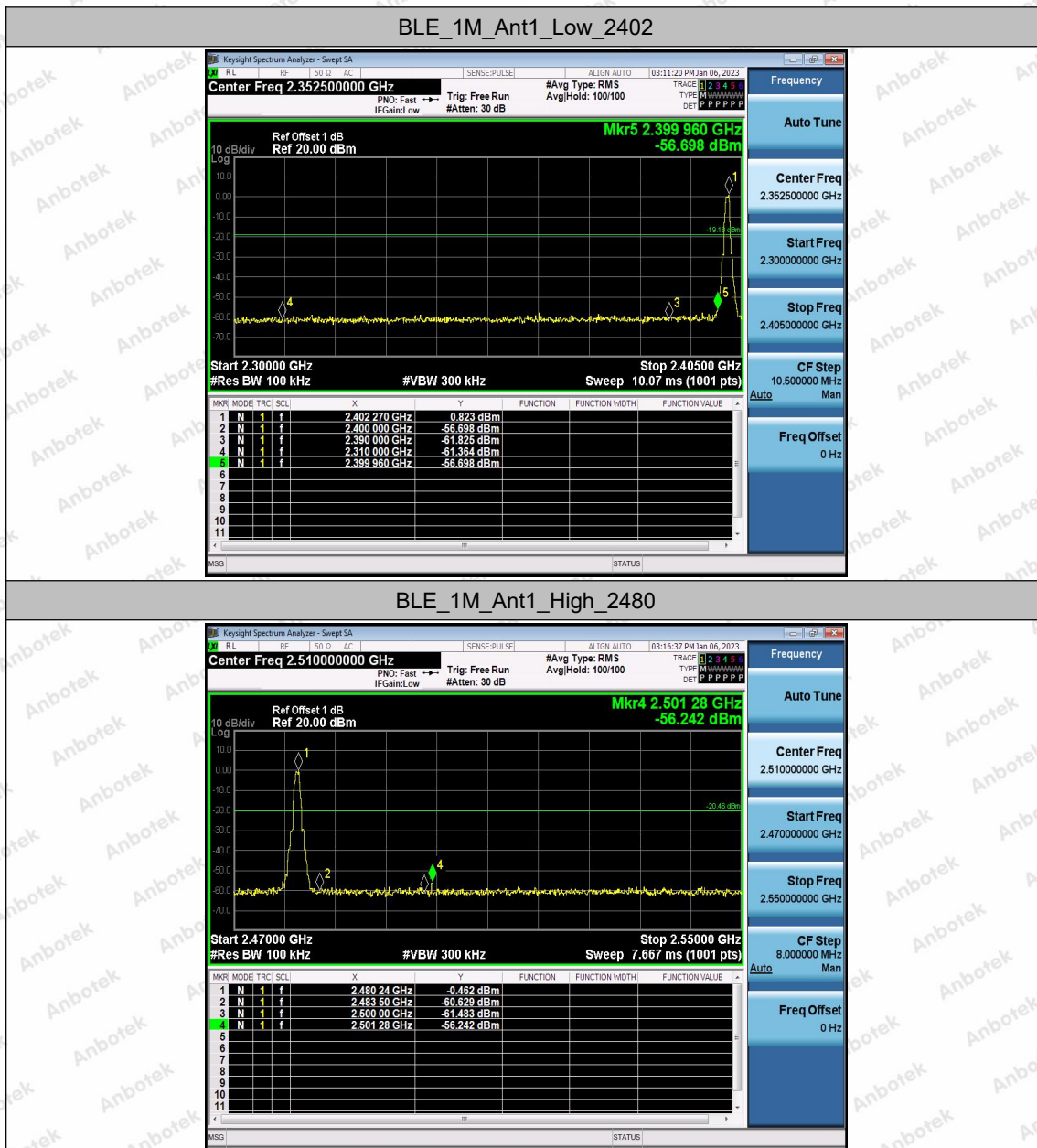
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.82	-56.7	≤-19.18	PASS
		High	2480	-0.46	-56.24	≤-20.46	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	0.27	0.27	---	PASS
			30~1000	0.27	-67.28	≤-19.73	PASS
			1000~26500	0.27	-52.81	≤-19.73	PASS
		2440	Reference	-0.33	-0.33	---	PASS
			30~1000	-0.33	-61.62	≤-20.33	PASS
			1000~26500	-0.33	-53.48	≤-20.33	PASS
		2480	Reference	-0.73	-0.73	---	PASS
			30~1000	-0.73	-58.11	≤-20.73	PASS
			1000~26500	-0.73	-53.33	≤-20.73	PASS

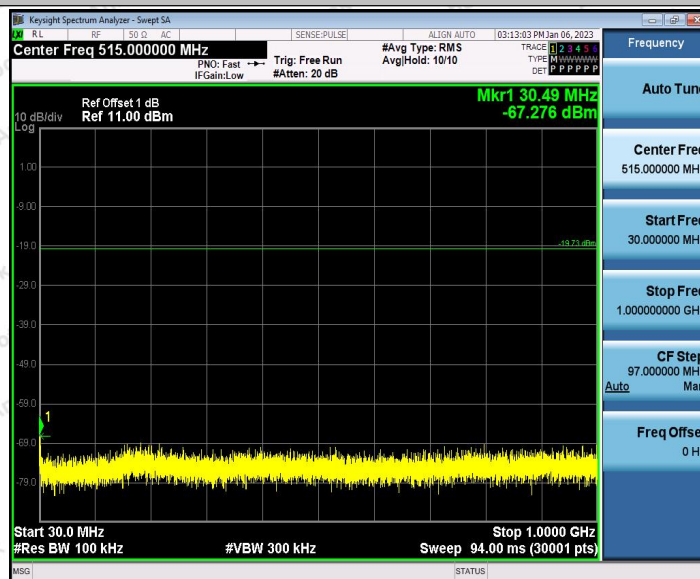


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

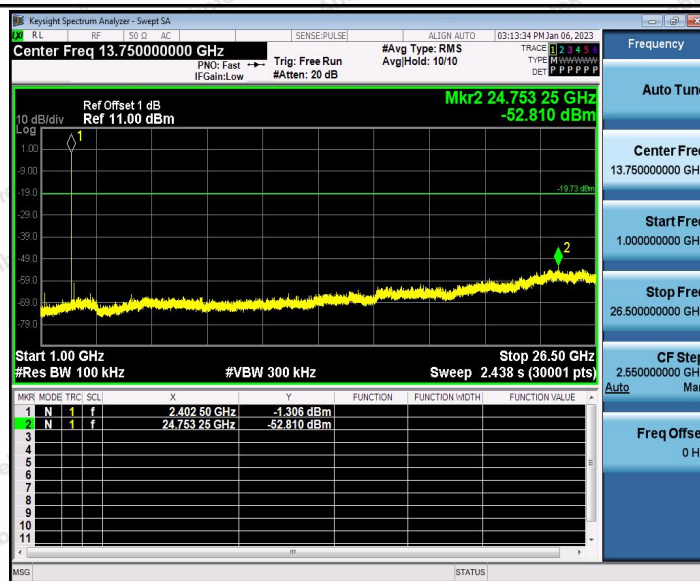
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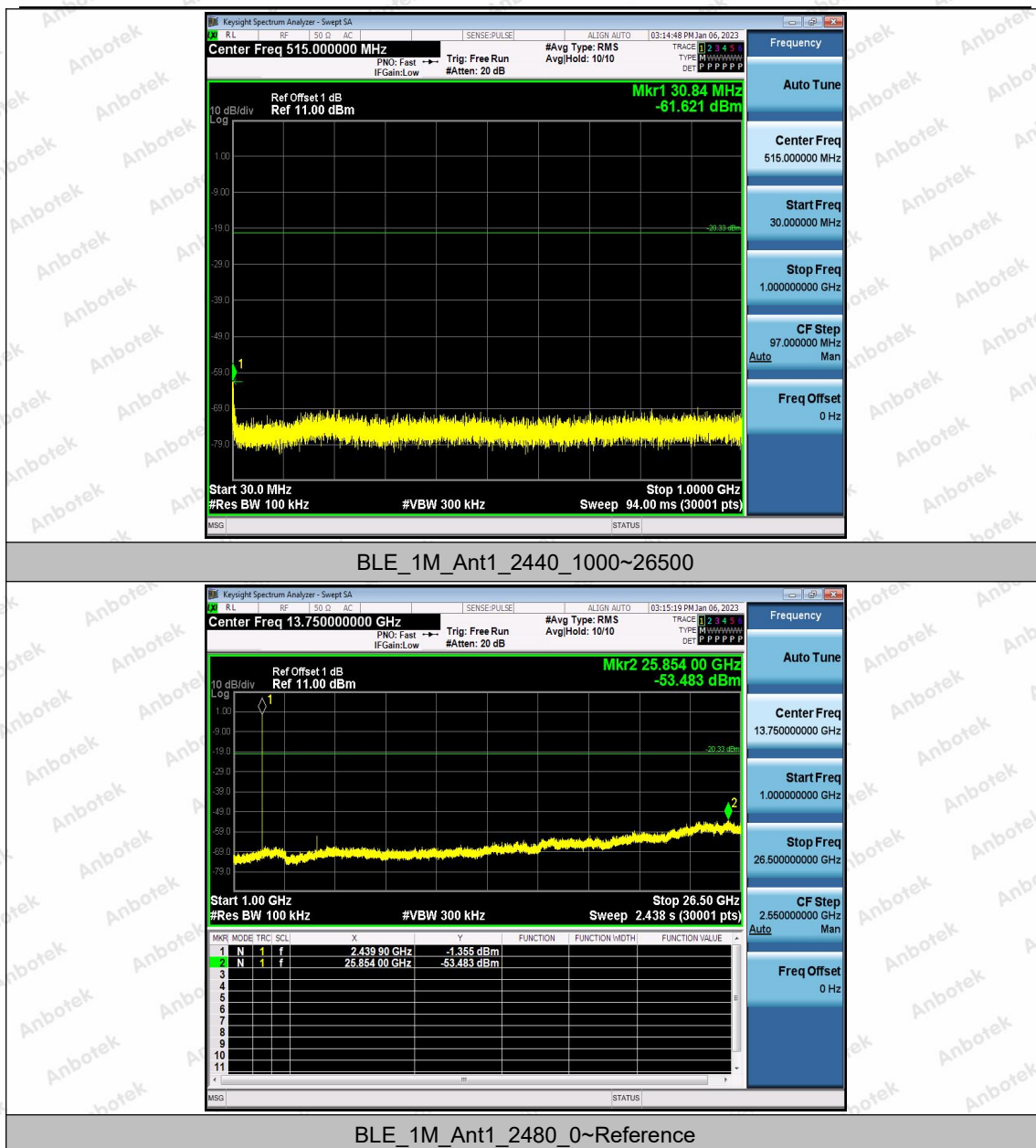


BLE_1M_Ant1_2440_0~Reference



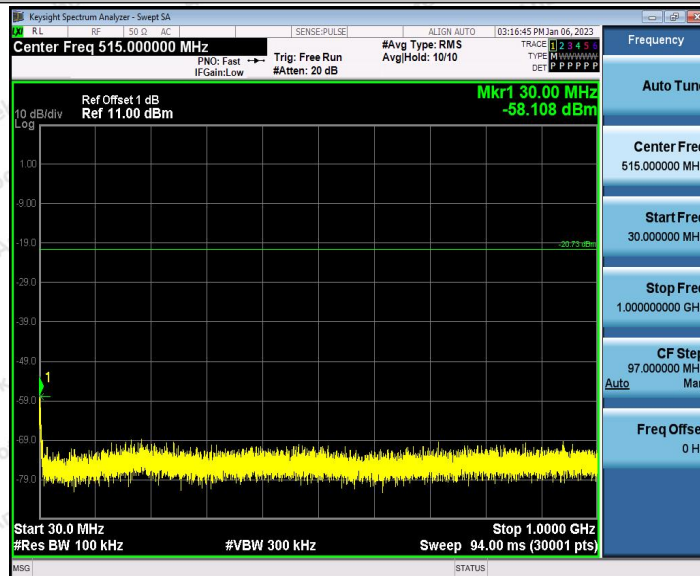
BLE_1M_Ant1_2440_30~1000







BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

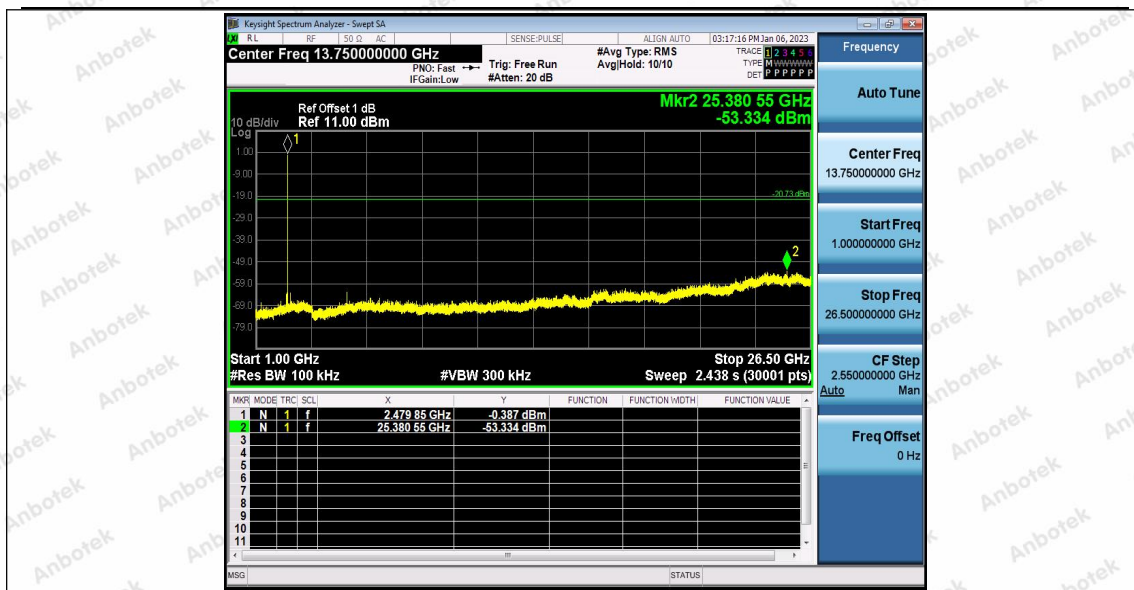
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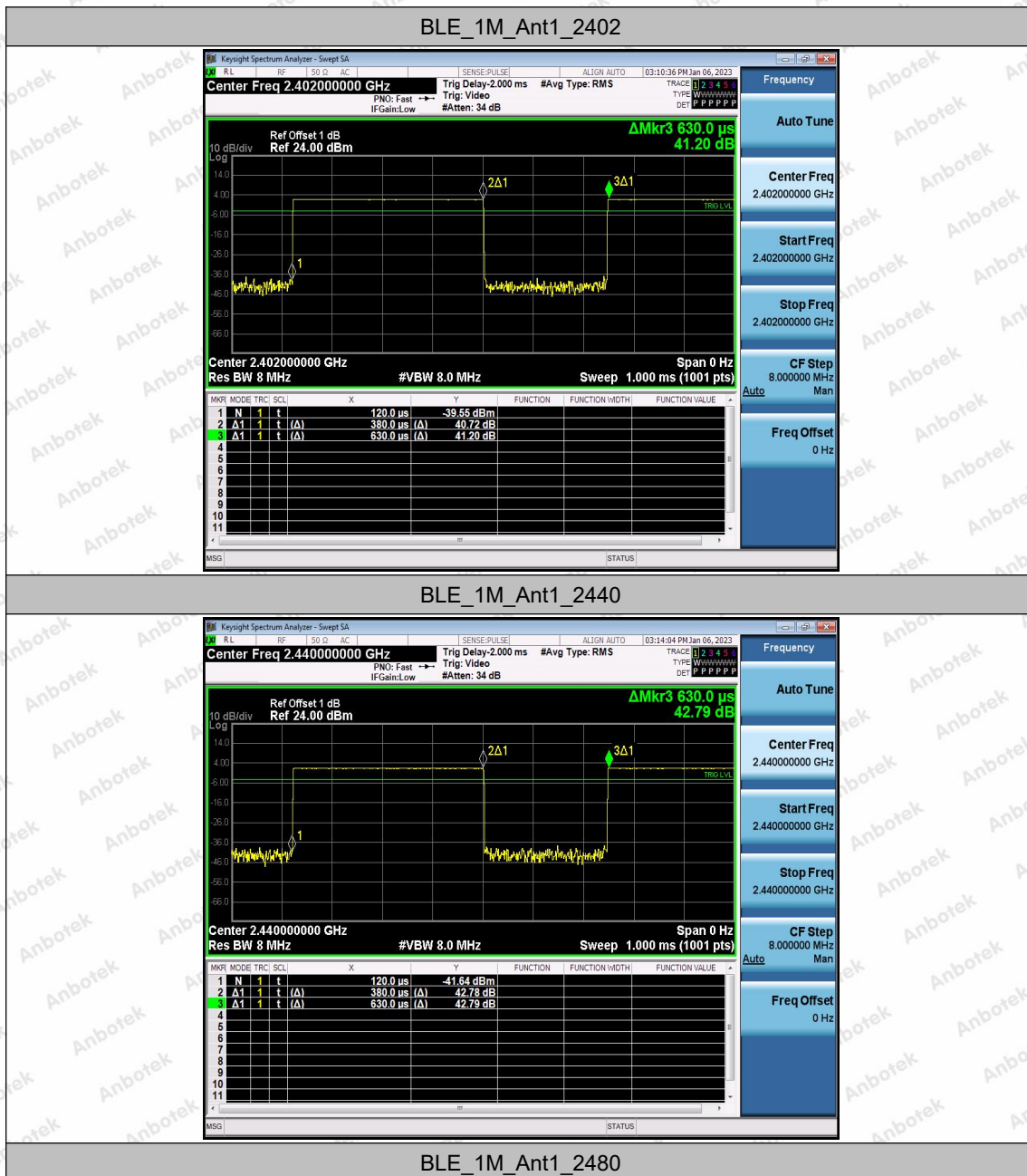
Appendix G: Duty Cycle

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



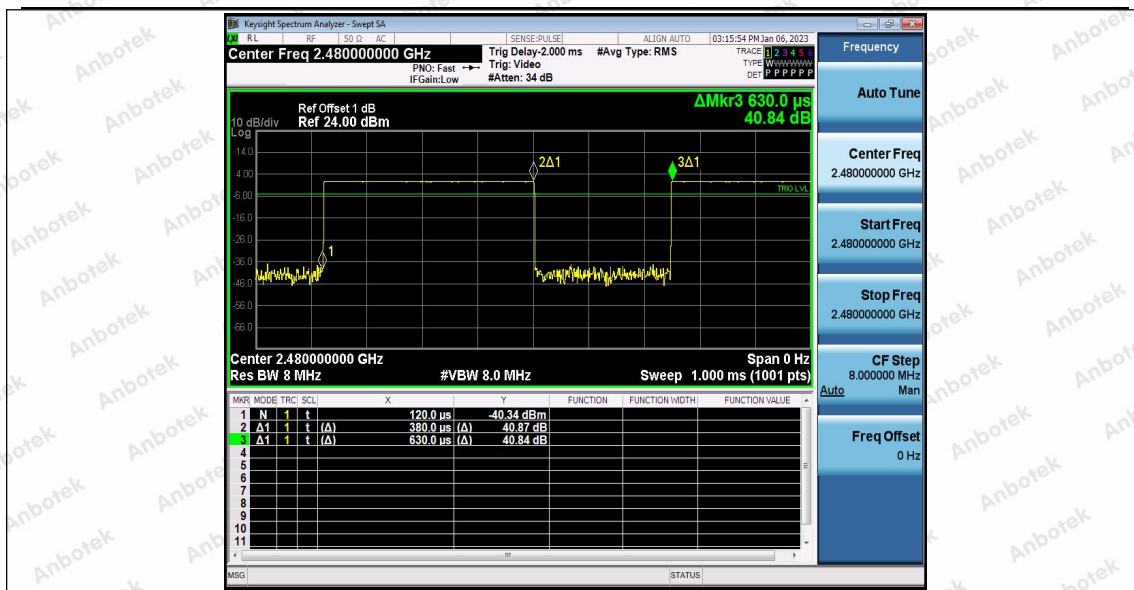
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