

Appendix Test Data

Report No.:	18220WC30116301	Test Sample No.:	1-2-2
Start Test Date:	2023.06.12	Finish Test Date:	2023.06.12
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	25.8°C	Relative Humidity:	49%
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	0.704	2401.636	2402.340	0.5	PASS
		2440	0.672	2439.660	2440.332	0.5	PASS
		2480	0.692	2479.648	2480.340	0.5	PASS



Test Graphs



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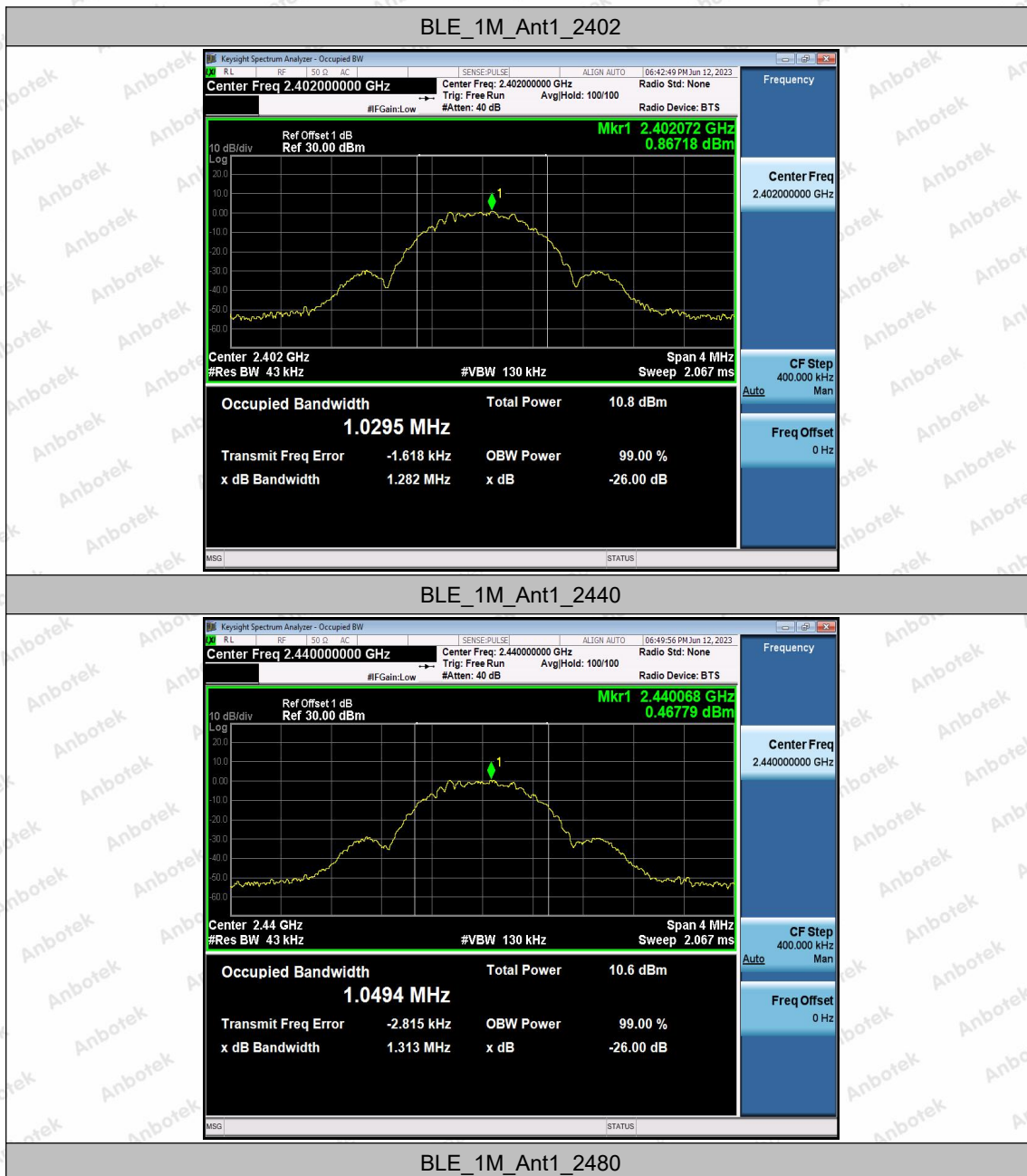
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0295	2401.4836	2402.5131
		2440	1.0494	2439.4725	2440.5219
		2480	1.0718	2479.4600	2480.5318



Test Graphs



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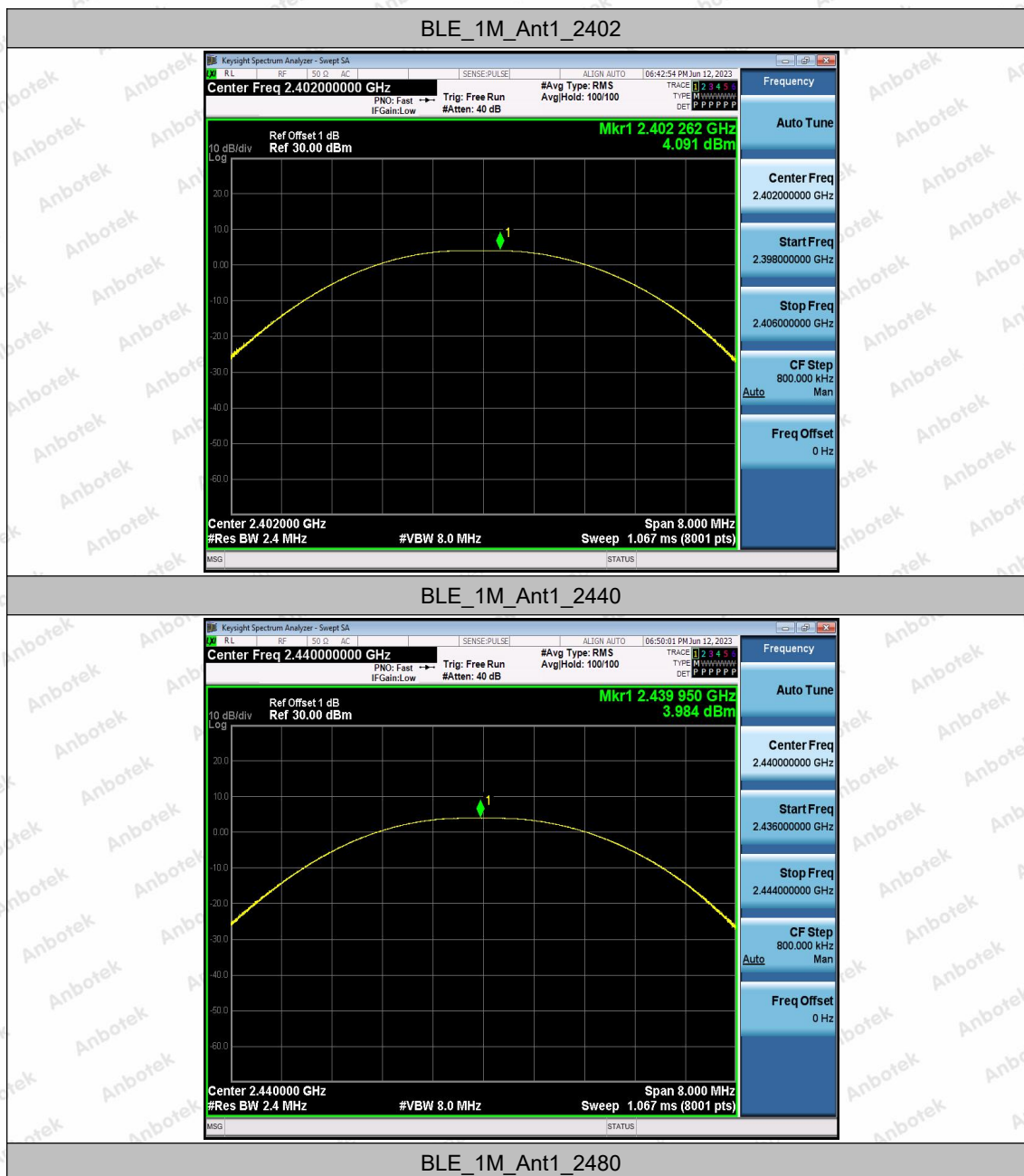
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.09	≤30	PASS
		2440	3.98	≤30	PASS
		2480	3.76	≤30	PASS



Test Graphs Peak



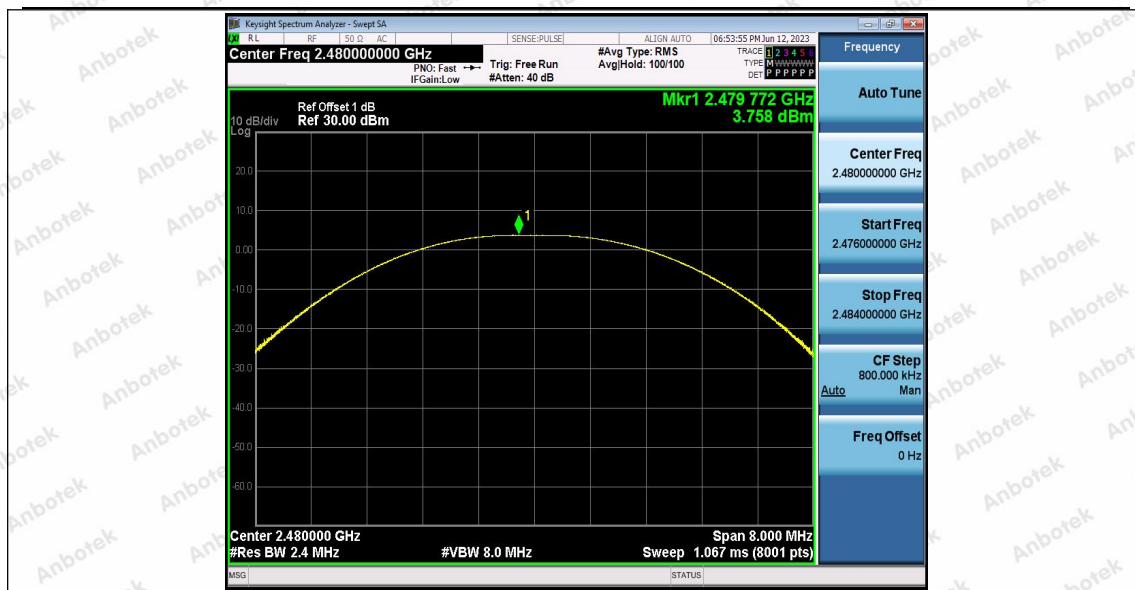
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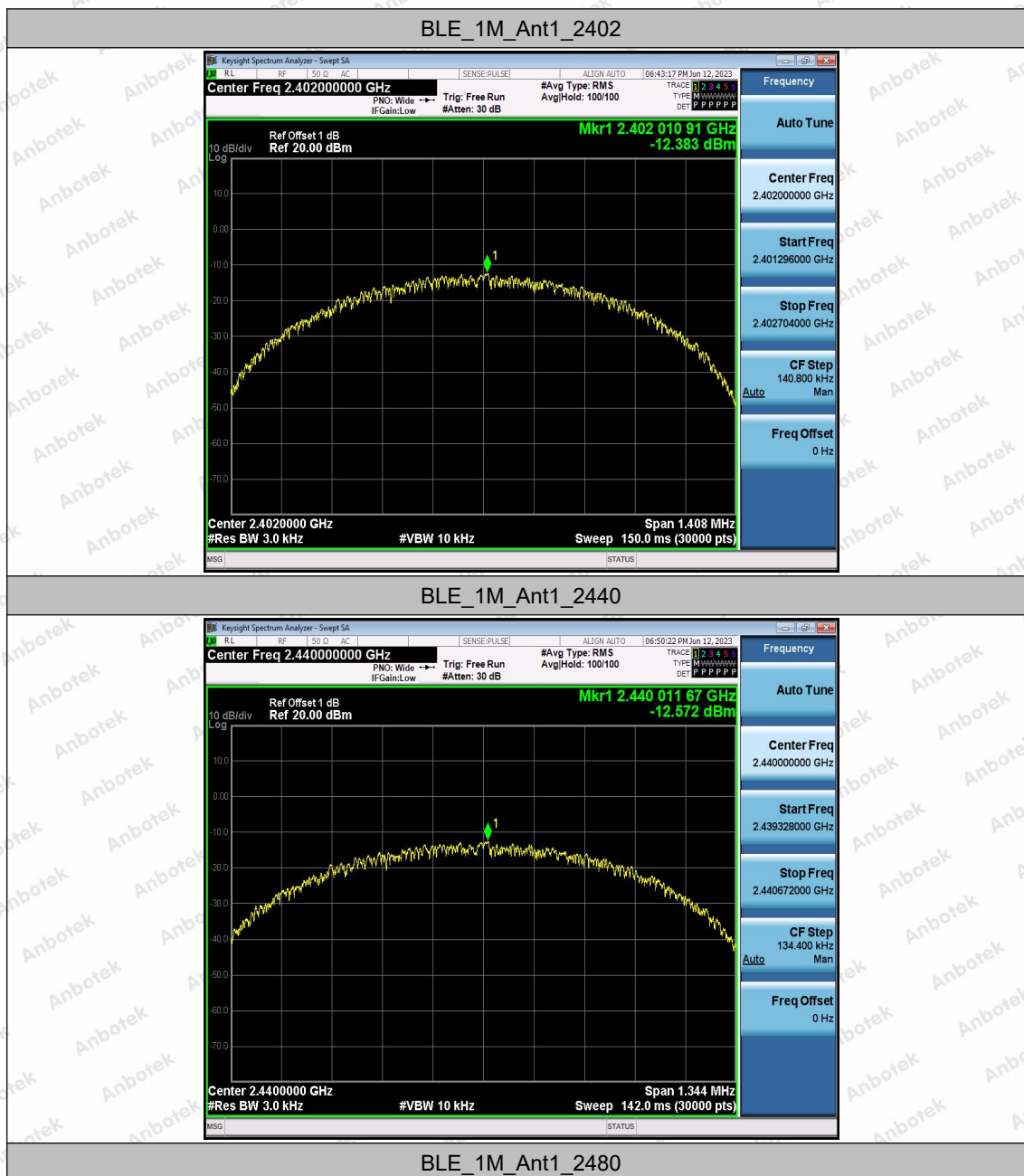
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.38	≤8.00	PASS
		2440	-12.57	≤8.00	PASS
		2480	-12.98	≤8.00	PASS



Test Graphs



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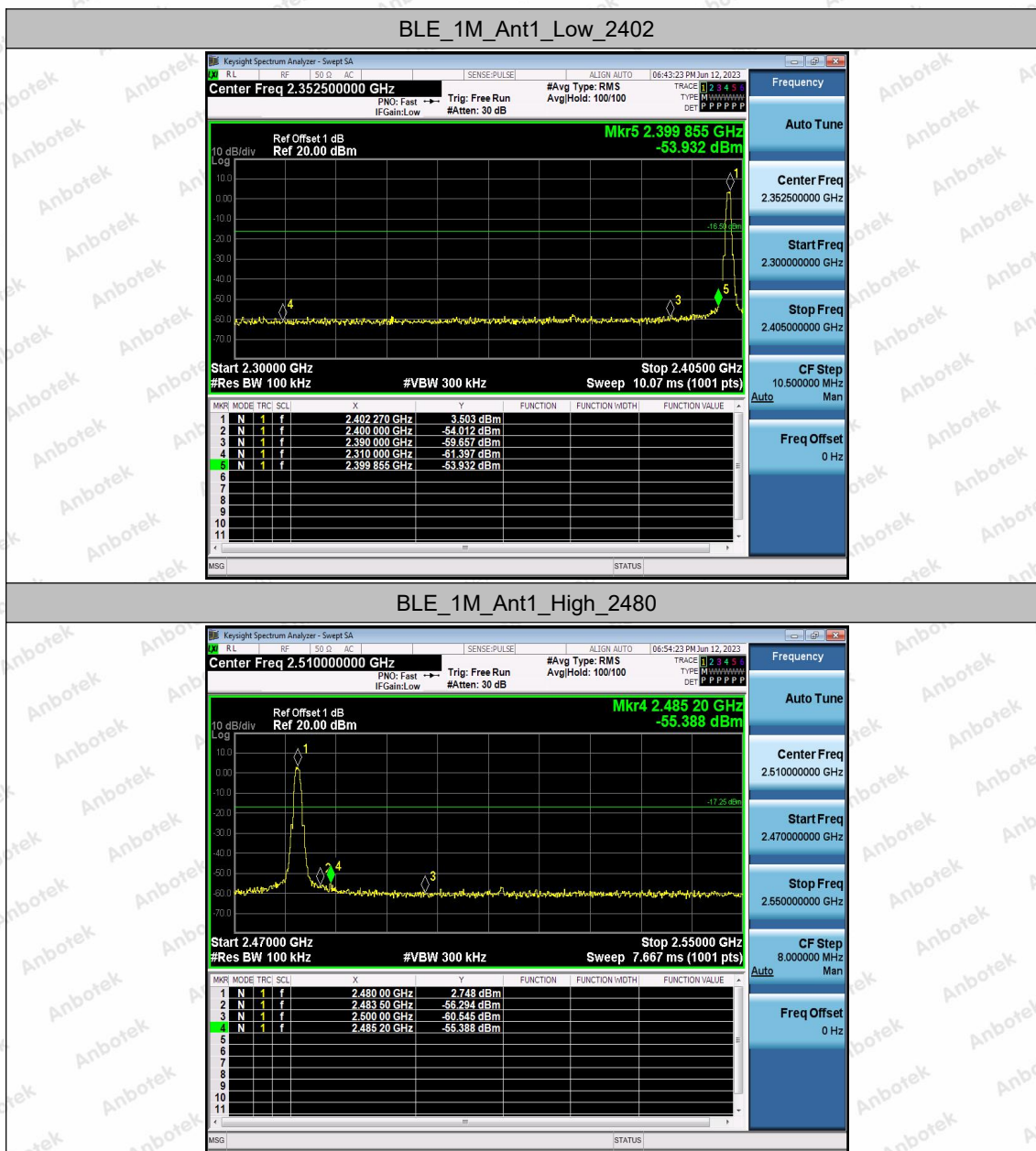
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.50	-53.93	≤-16.5	PASS
		High	2480	2.75	-55.39	≤-17.25	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	2.28	2.28	---	PASS
			30~1000	2.28	-68.84	≤-17.72	PASS
			1000~26500	2.28	-39.4	≤-17.72	PASS
		2440	Reference	2.99	2.99	---	PASS
			30~1000	2.99	-69.33	≤-17.01	PASS
			1000~26500	2.99	-37.44	≤-17.01	PASS
		2480	Reference	1.68	1.68	---	PASS
			30~1000	1.68	-69.41	≤-18.32	PASS
			1000~26500	1.68	-37.98	≤-18.32	PASS

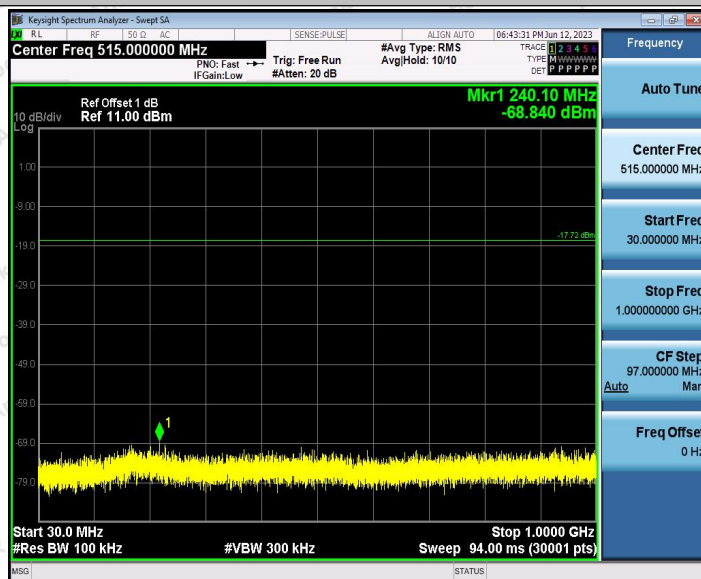


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

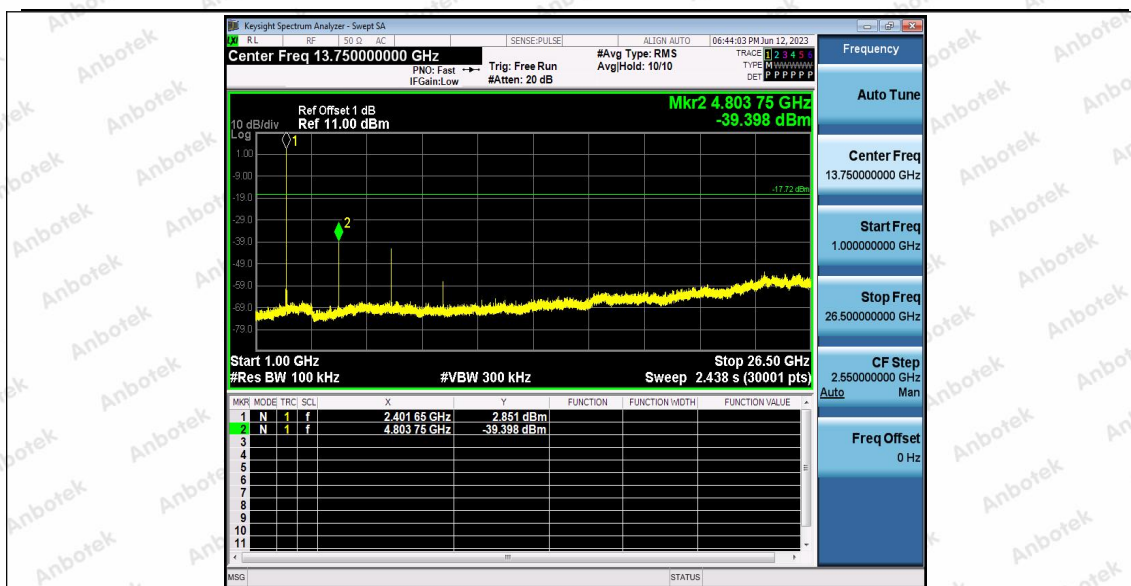
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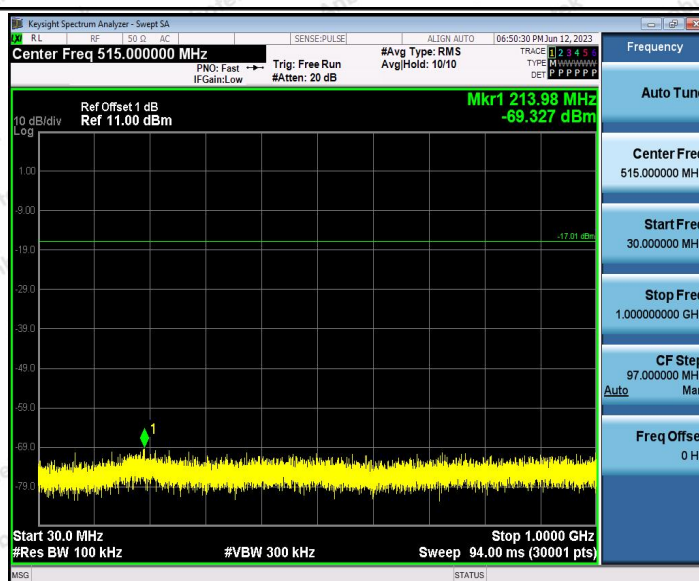


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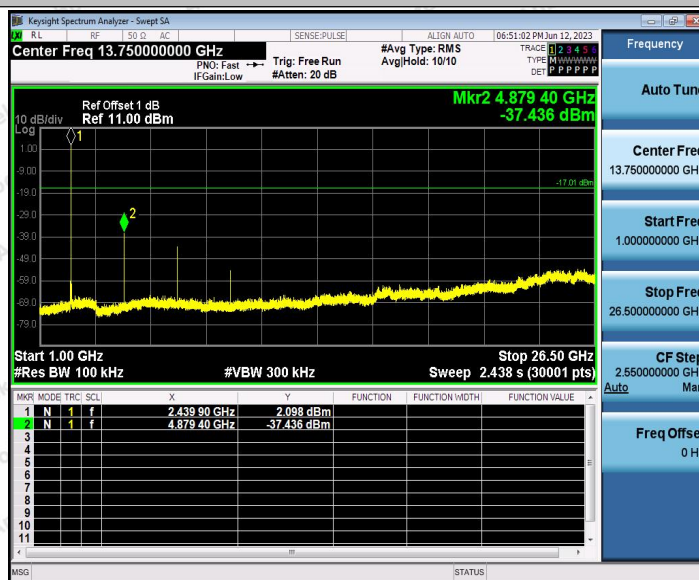


BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

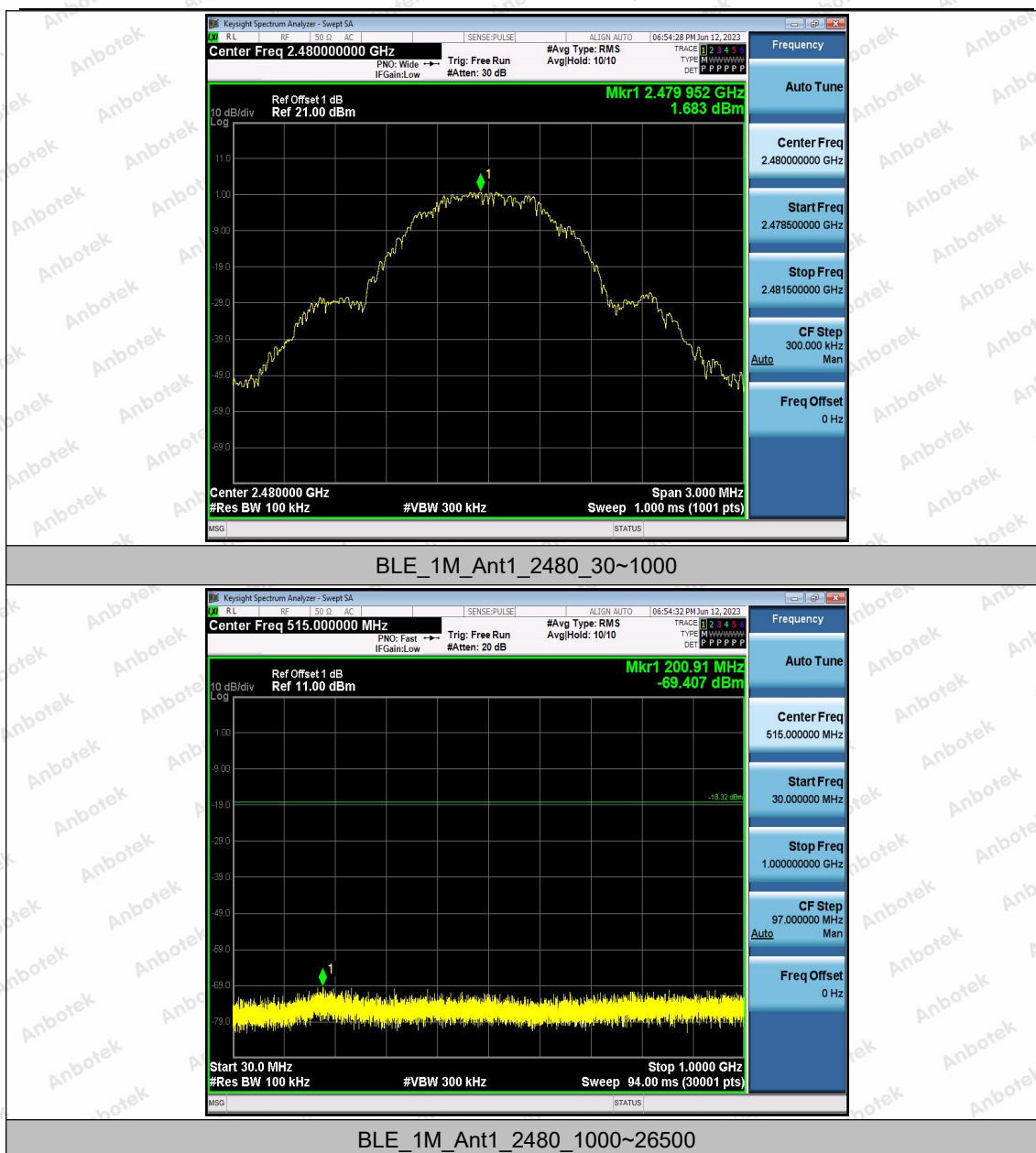
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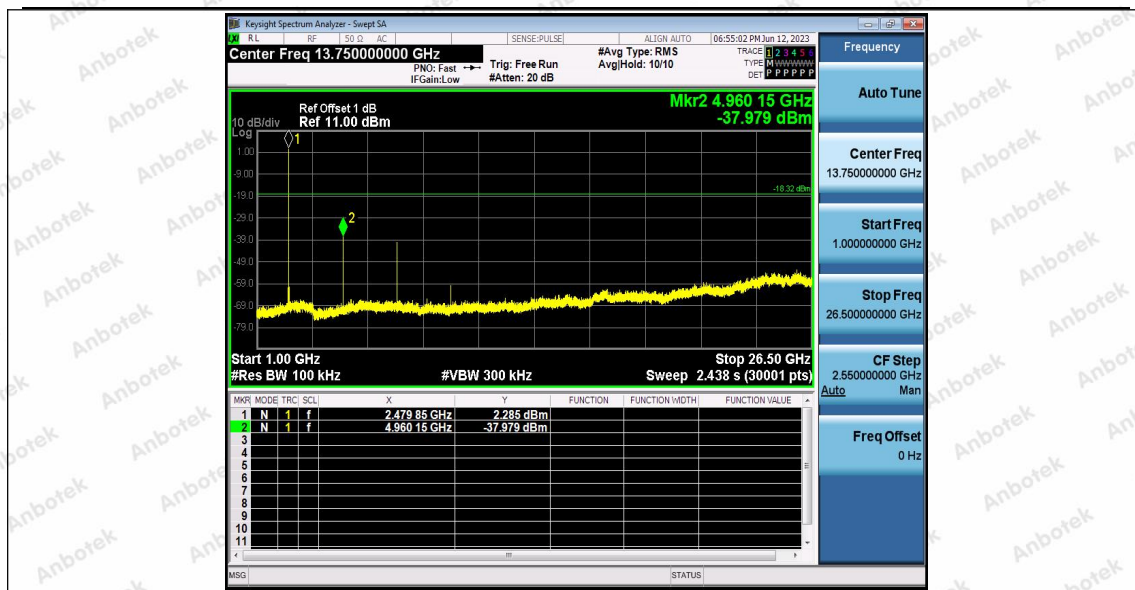
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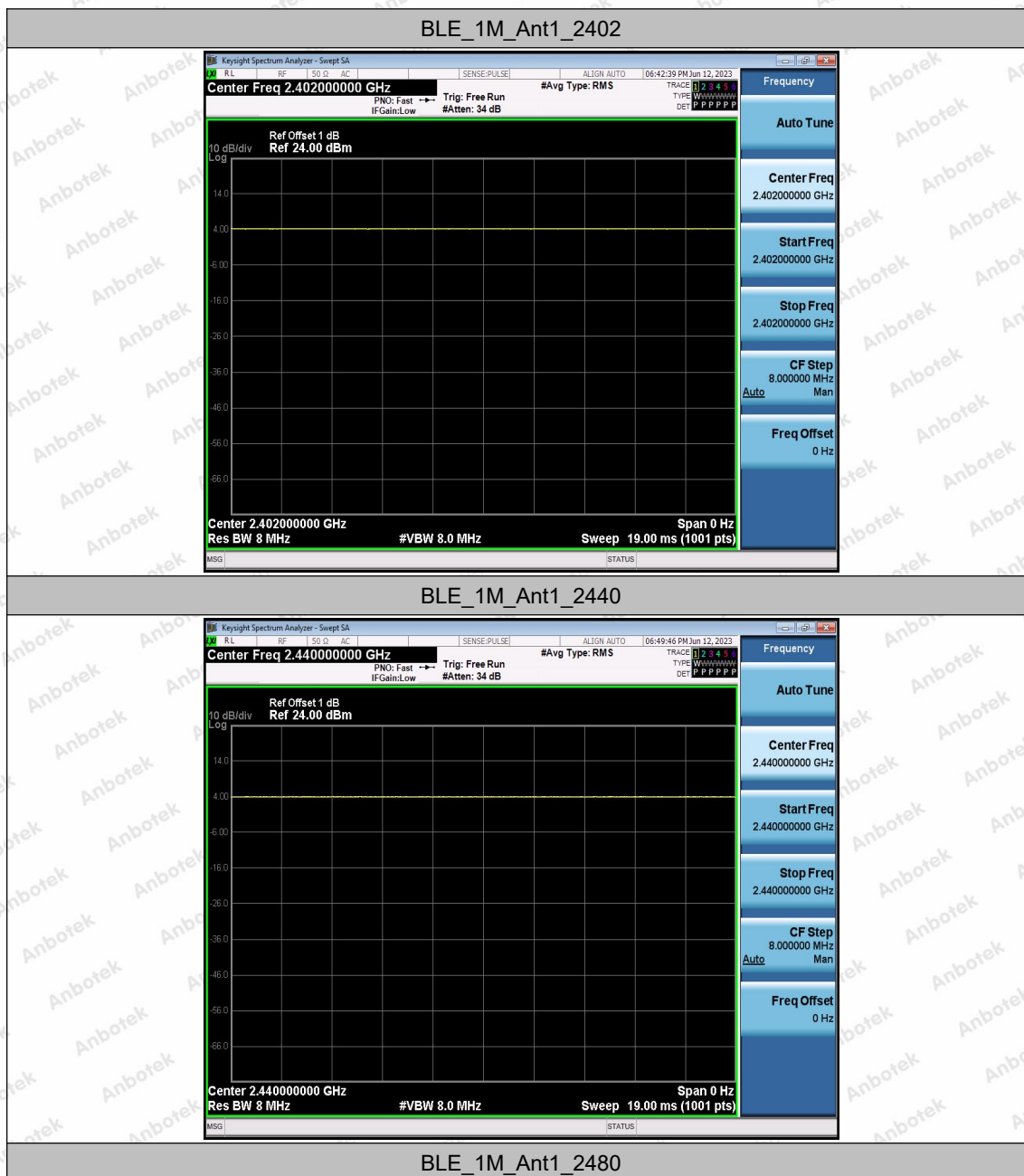
Appendix G: Duty Cycle

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



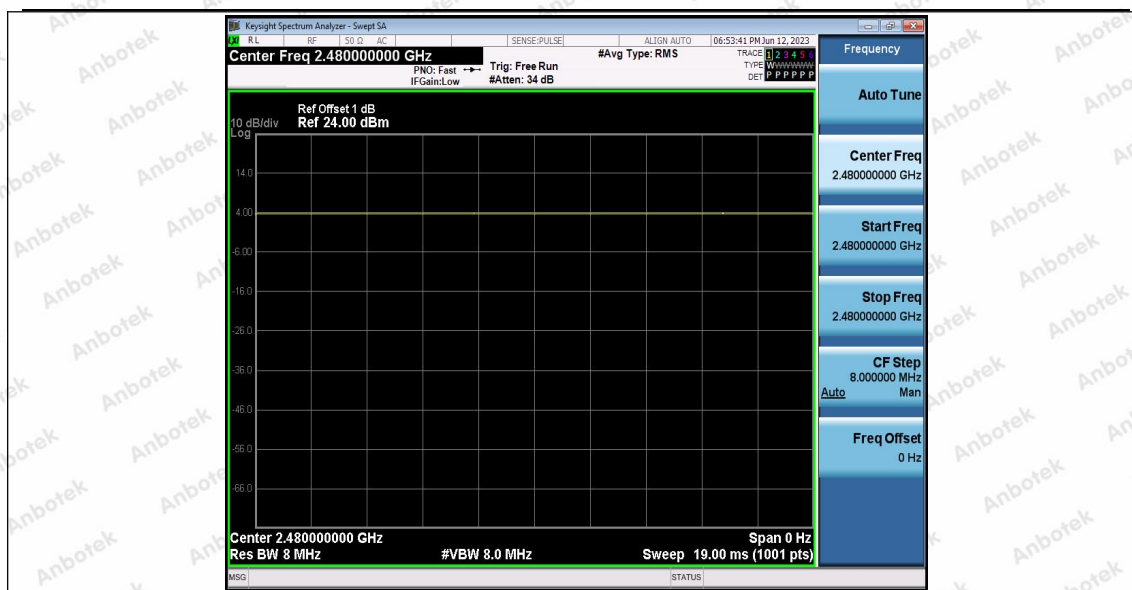
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