

Appendix Test Data

Report No.:	18220WC30084201	Test Sample No.:	1-2-2
Start Test Date:	2023.05.11	Finish Test Date:	2023.05.16
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	24.5℃	Relative Humidity:	52%
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	0.668	2401.620	2402.288	0.5	PASS
		2440	0.660	2439.616	2440.276	0.5	PASS
		2480	0.668	2479.612	2480.280	0.5	PASS



Test Graphs



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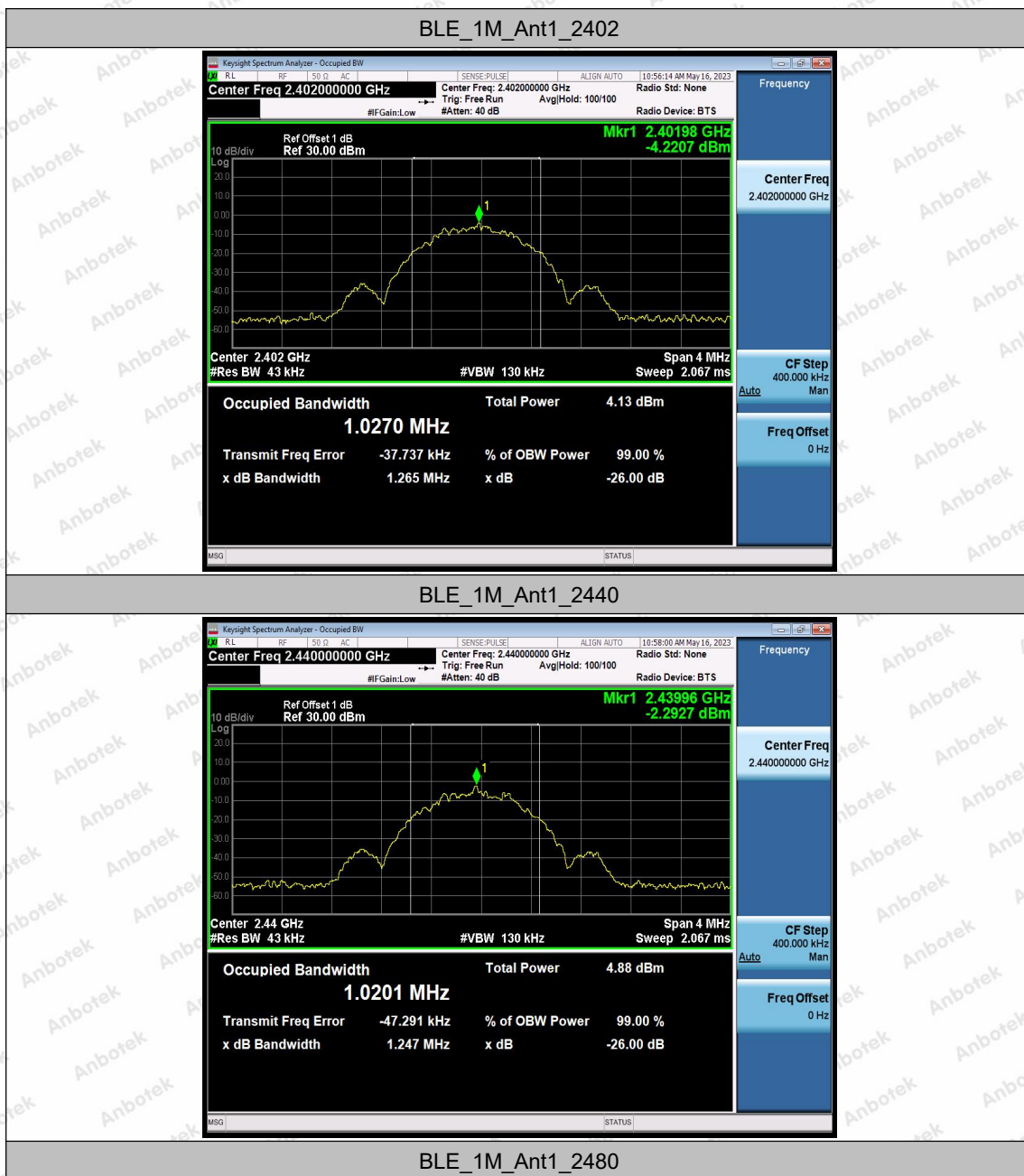
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0270	2401.4488	2402.4758
		2440	1.0201	2439.4427	2440.4628
		2480	1.0208	2479.4460	2480.4668



Test Graphs



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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.85	≤30	PASS
		2440	-1.33	≤30	PASS
		2480	-1.10	≤30	PASS



Test Graphs Peak



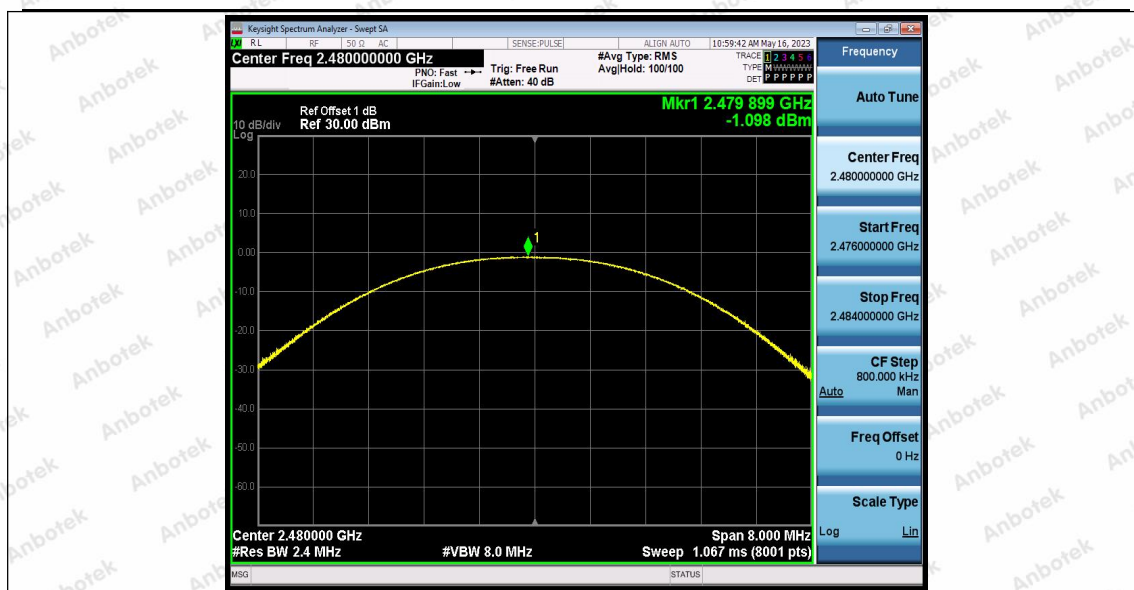
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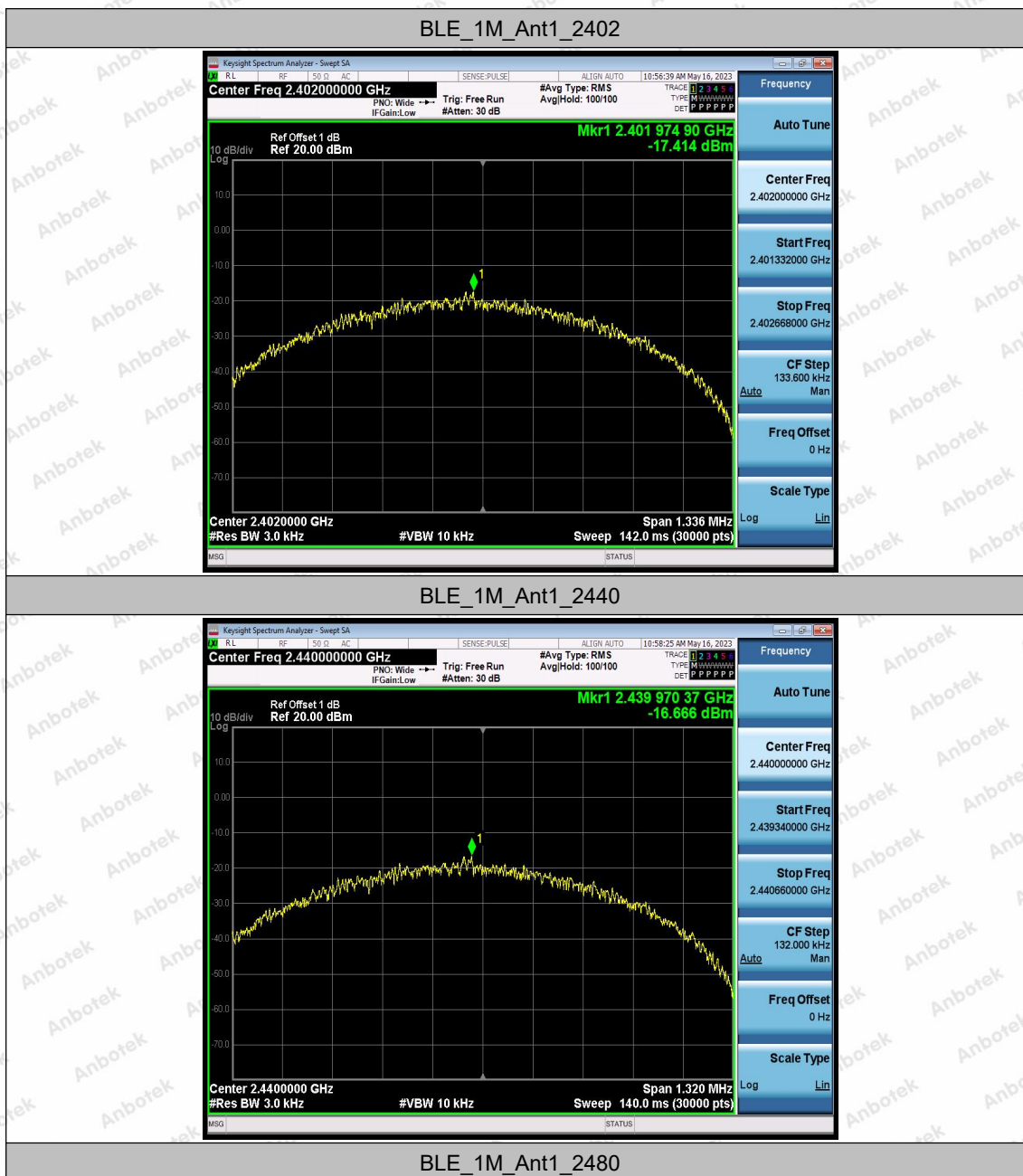
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.41	≤8.00	PASS
		2440	-16.67	≤8.00	PASS
		2480	-16.44	≤8.00	PASS



Test Graphs



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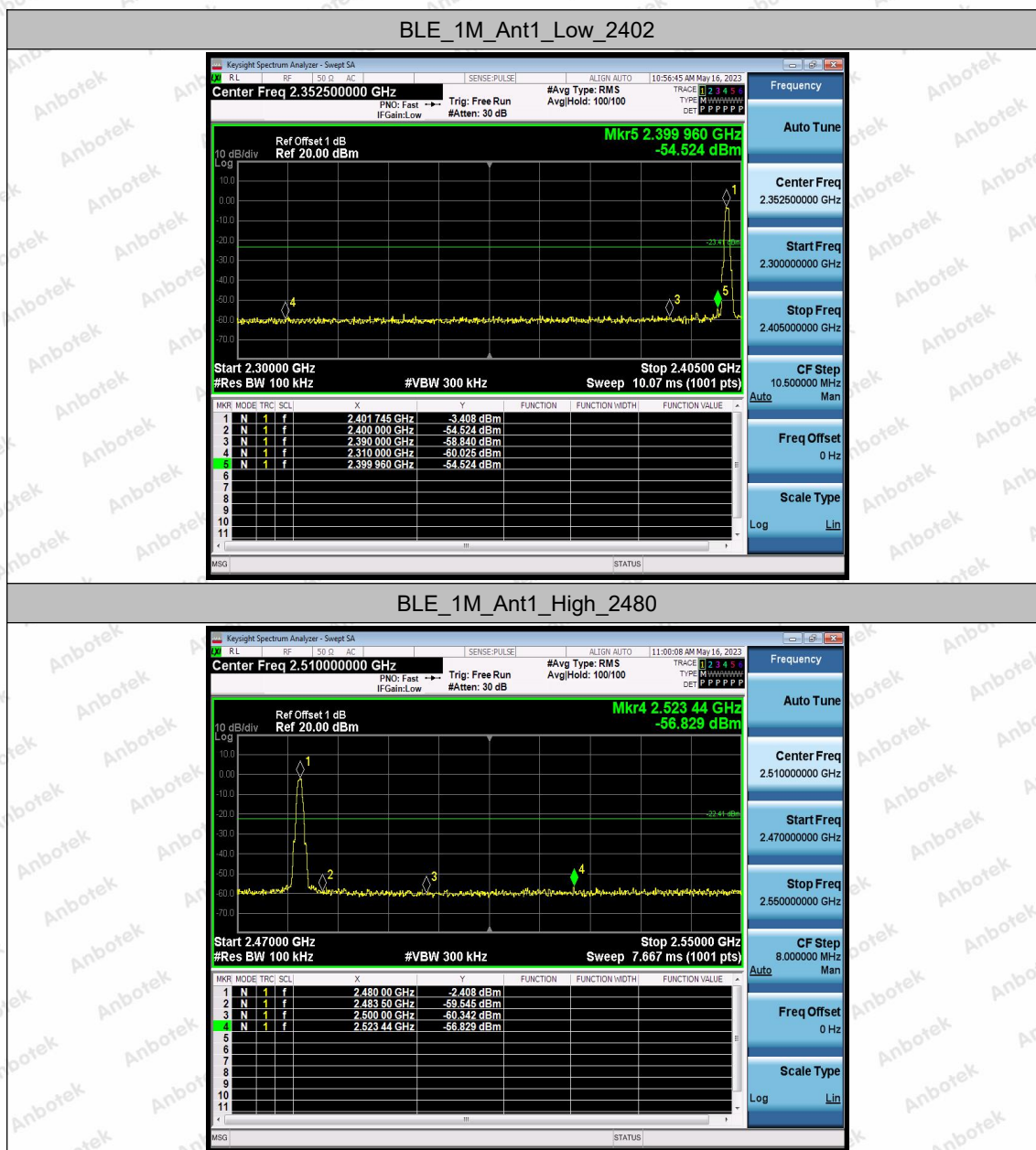


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.41	-54.52	≤-23.41	PASS
		High	2480	-2.41	-56.83	≤-22.41	PASS

Test Graphs



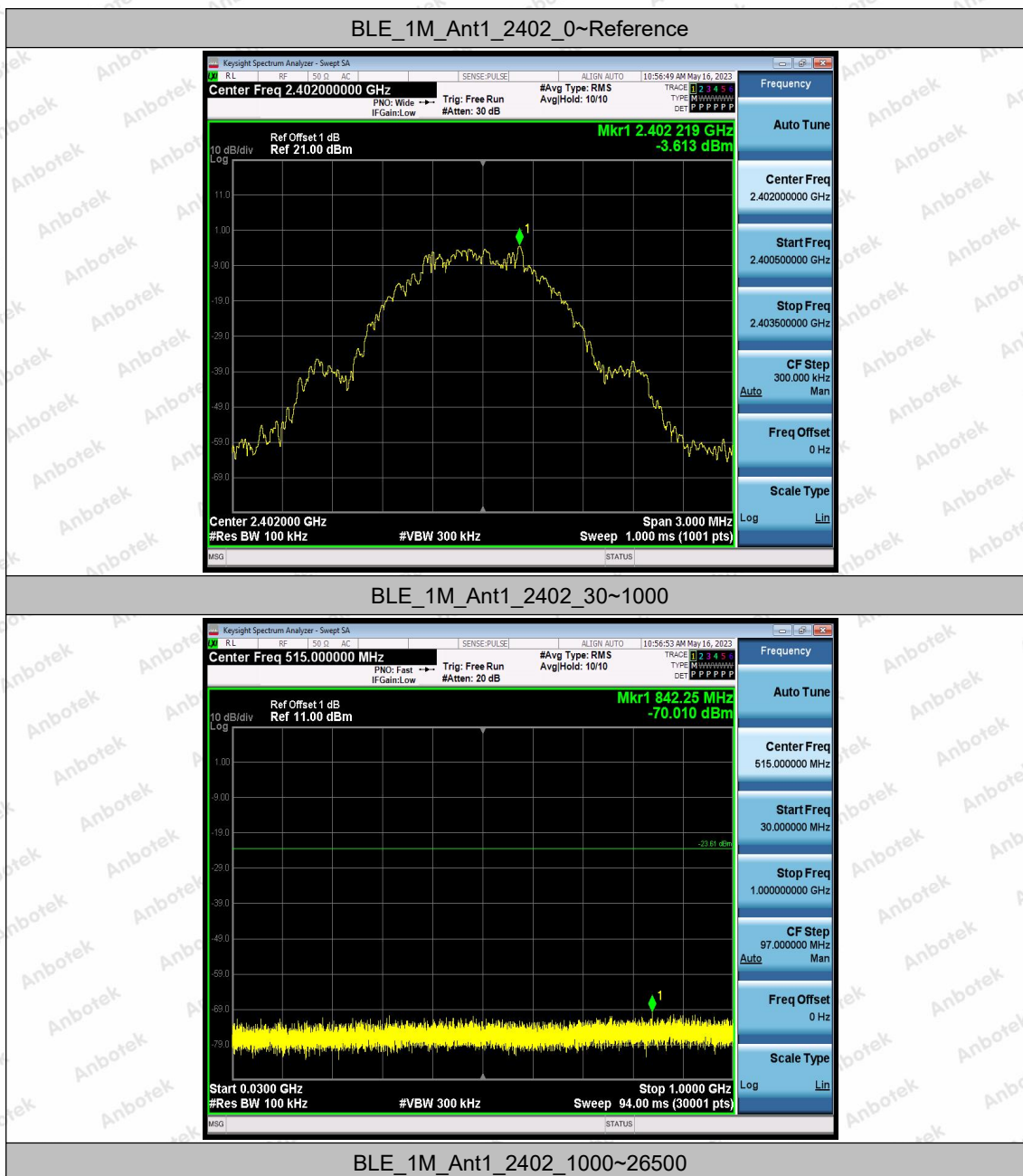
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-3.61	-3.61	---	PASS
			30~1000	-3.61	-70.01	≤-23.61	PASS
			1000~26500	-3.61	-53.68	≤-23.61	PASS
		2440	Reference	-3.51	-3.51	---	PASS
			30~1000	-3.51	-69.3	≤-23.51	PASS
			1000~26500	-3.51	-53.33	≤-23.51	PASS
		2480	Reference	-3.83	-3.83	---	PASS
			30~1000	-3.83	-69.26	≤-23.83	PASS
			1000~26500	-3.83	-52.5	≤-23.83	PASS



Test Graphs



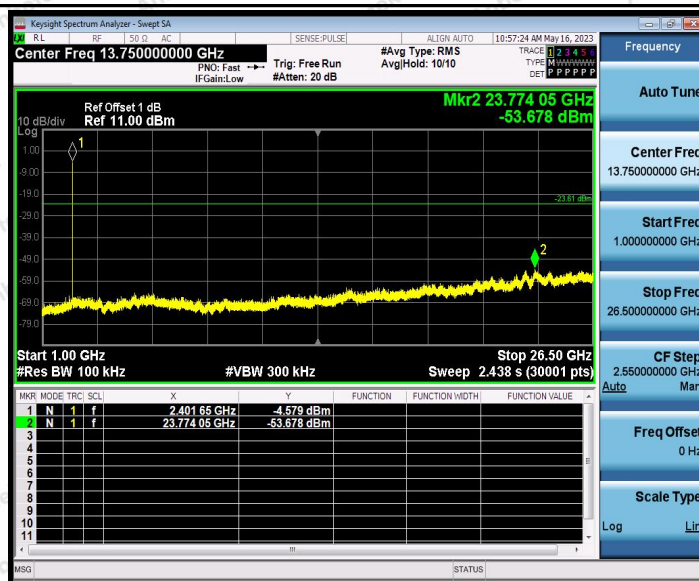
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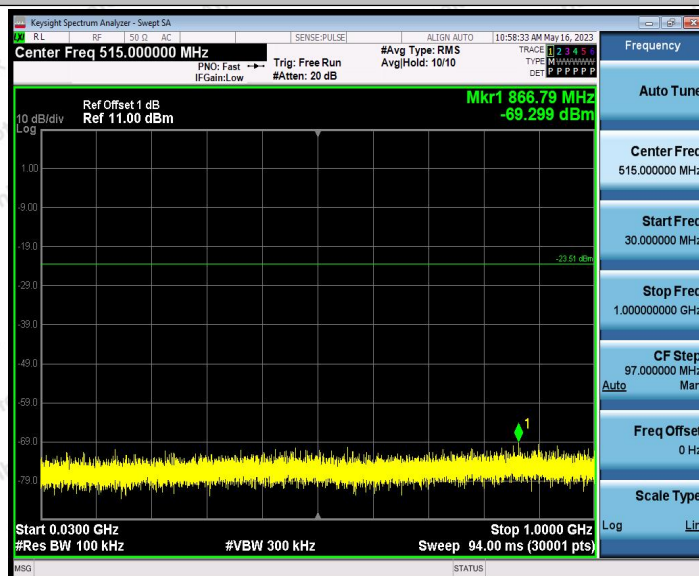




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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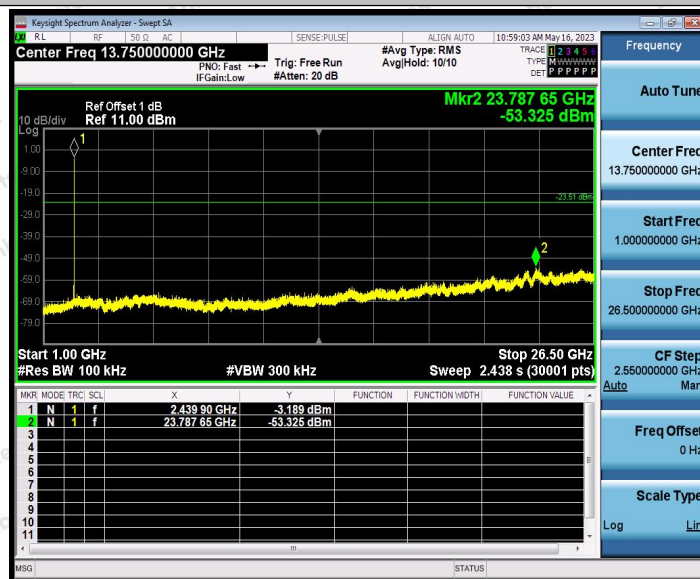
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

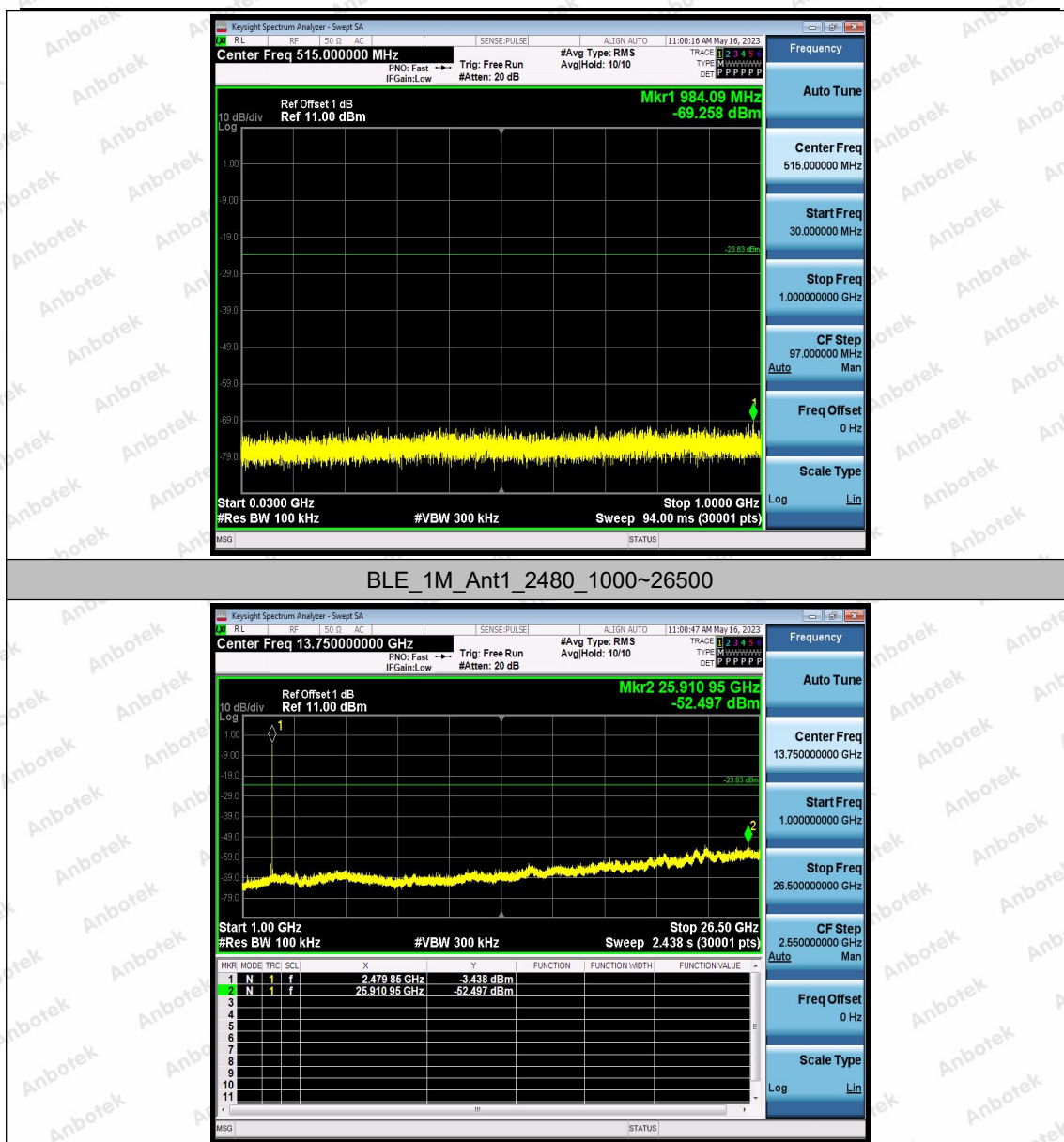
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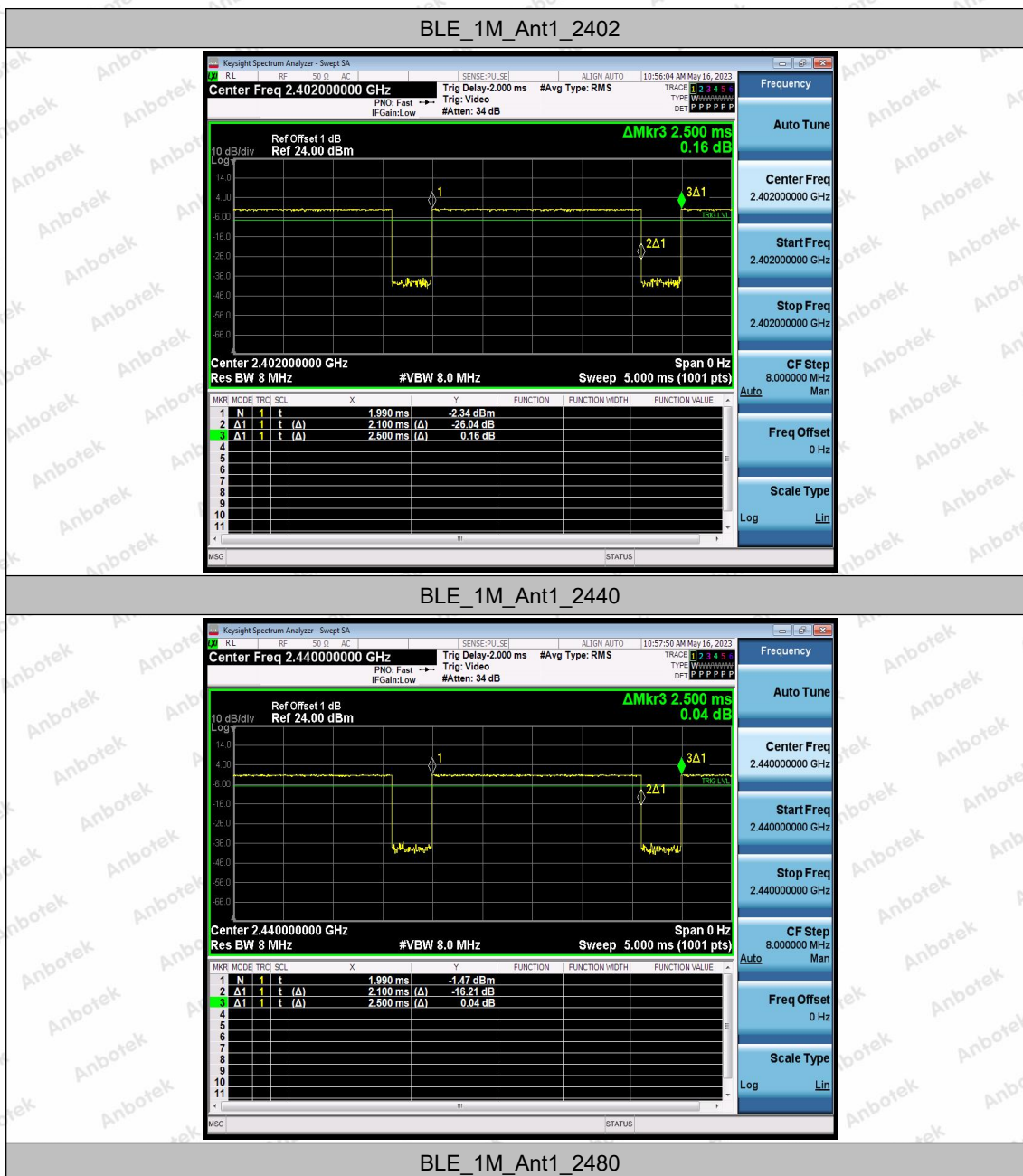
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.10	2.50	84.00	0.76
		2440	2.10	2.50	84.00	0.76
		2480	2.10	2.50	84.00	0.76



Test Graphs



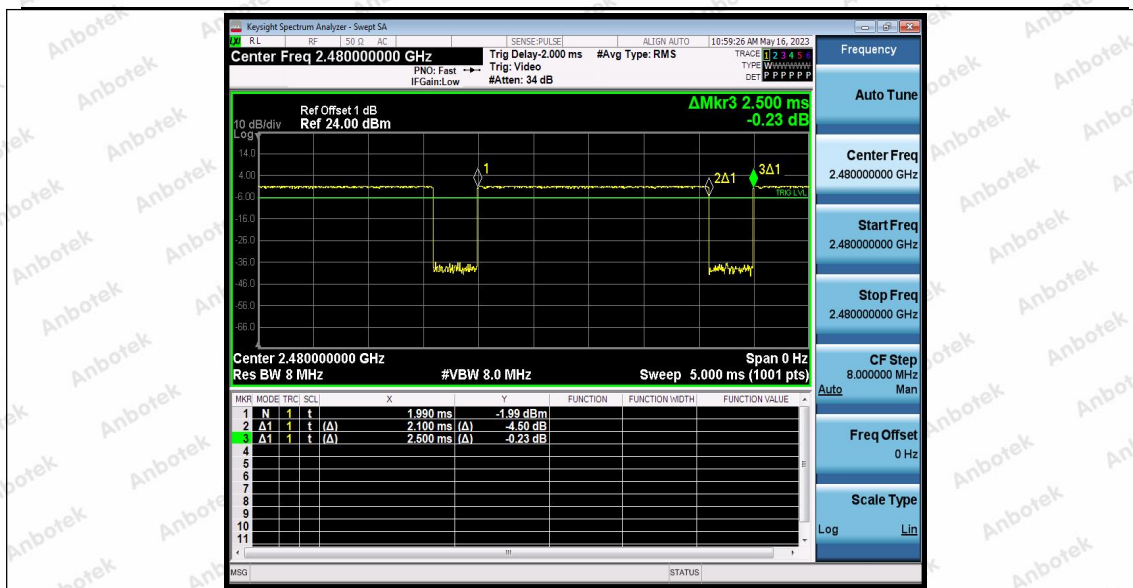
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