

Appendix Test Data

Report No.:	18220WC30176001	Test Sample No.:	1-2-2
Start Test Date:	2023.08.17	Finish Test Date:	2023.08.23
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.6°C	Relative Humidity:	48%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.680	2401.660	2402.340	0.5	PASS
		2440	0.668	2439.660	2440.328	0.5	PASS
		2480	0.688	2479.640	2480.328	0.5	PASS

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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

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0251	2401.4928	2402.5179
		2440	1.0285	2439.4957	2440.5242
		2480	1.0319	2479.4931	2480.5250



Test Graphs



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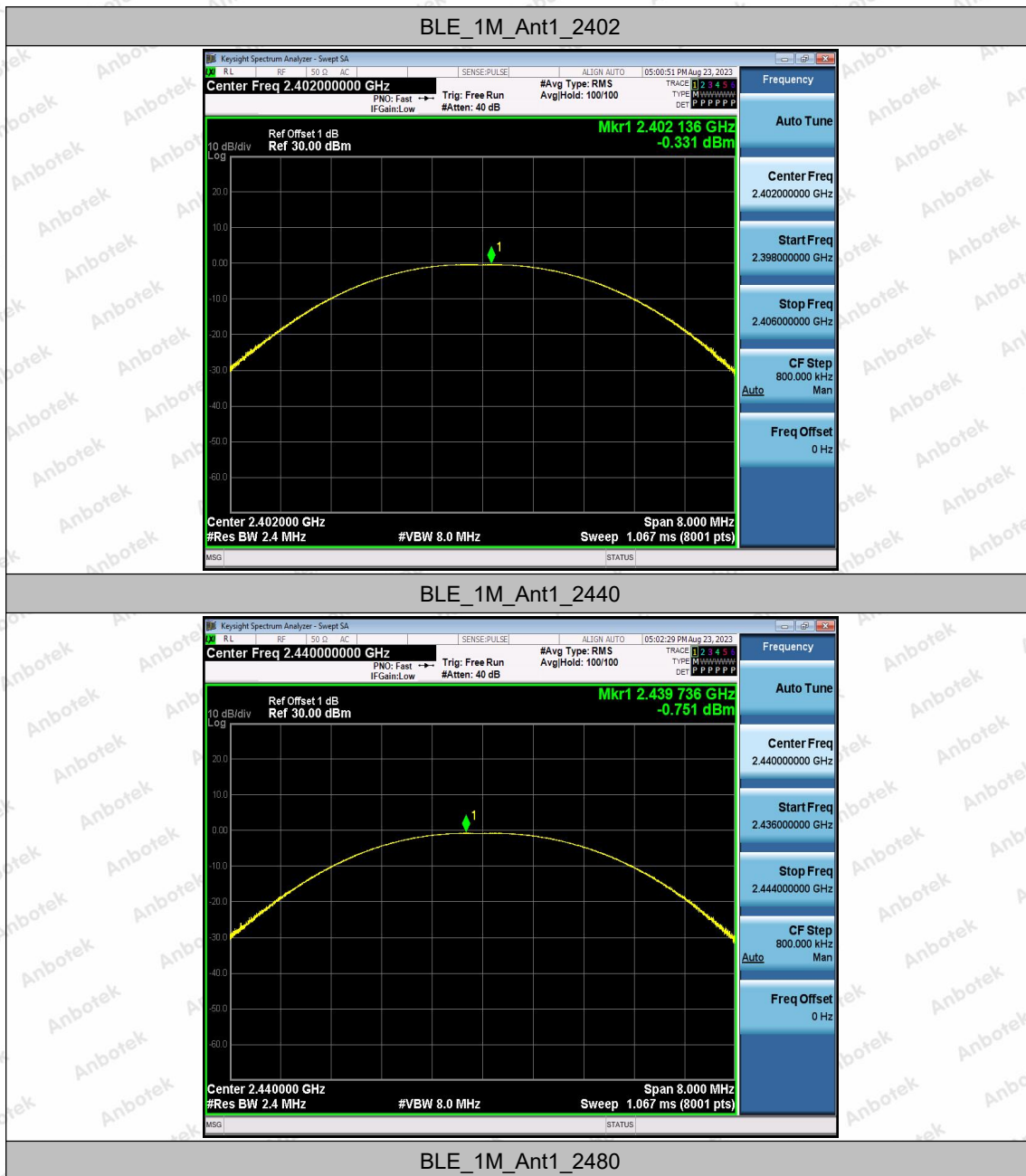
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.33	≤30	PASS
		2440	-0.75	≤30	PASS
		2480	-1.39	≤30	PASS



Test Graphs Peak



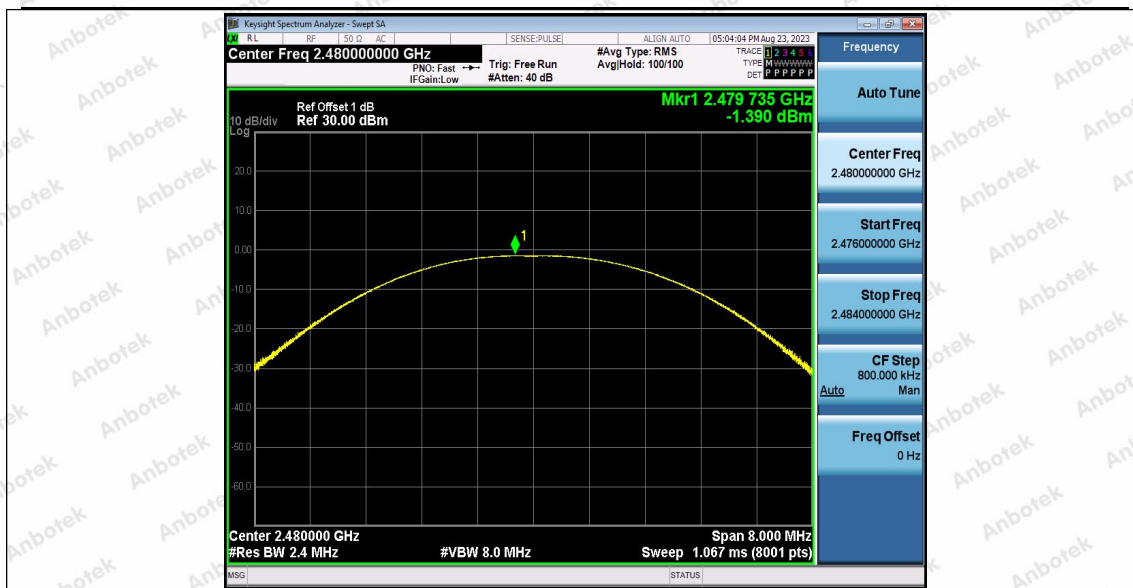
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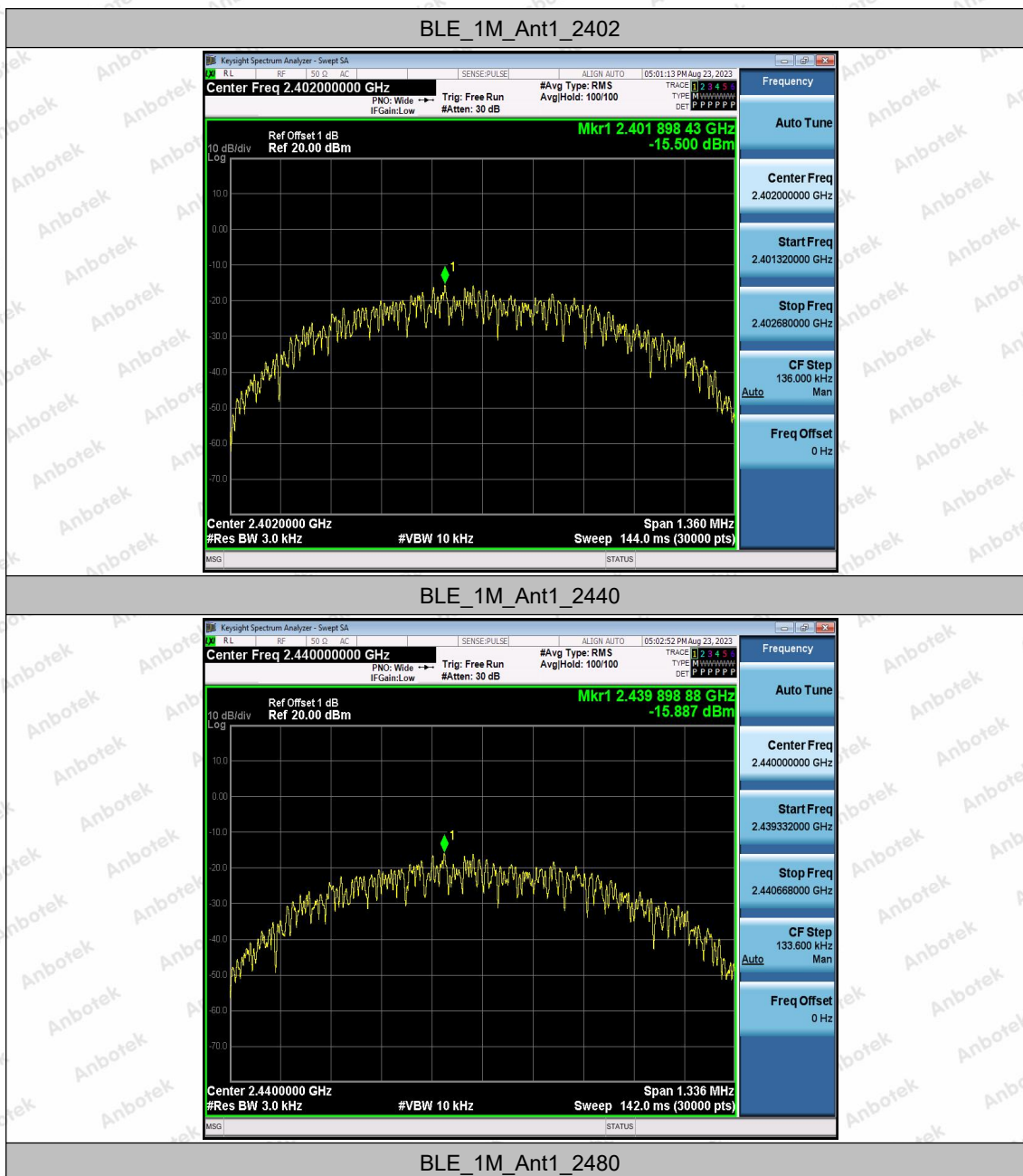
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.50	≤8.00	PASS
		2440	-15.89	≤8.00	PASS
		2480	-16.57	≤8.00	PASS



Test Graphs



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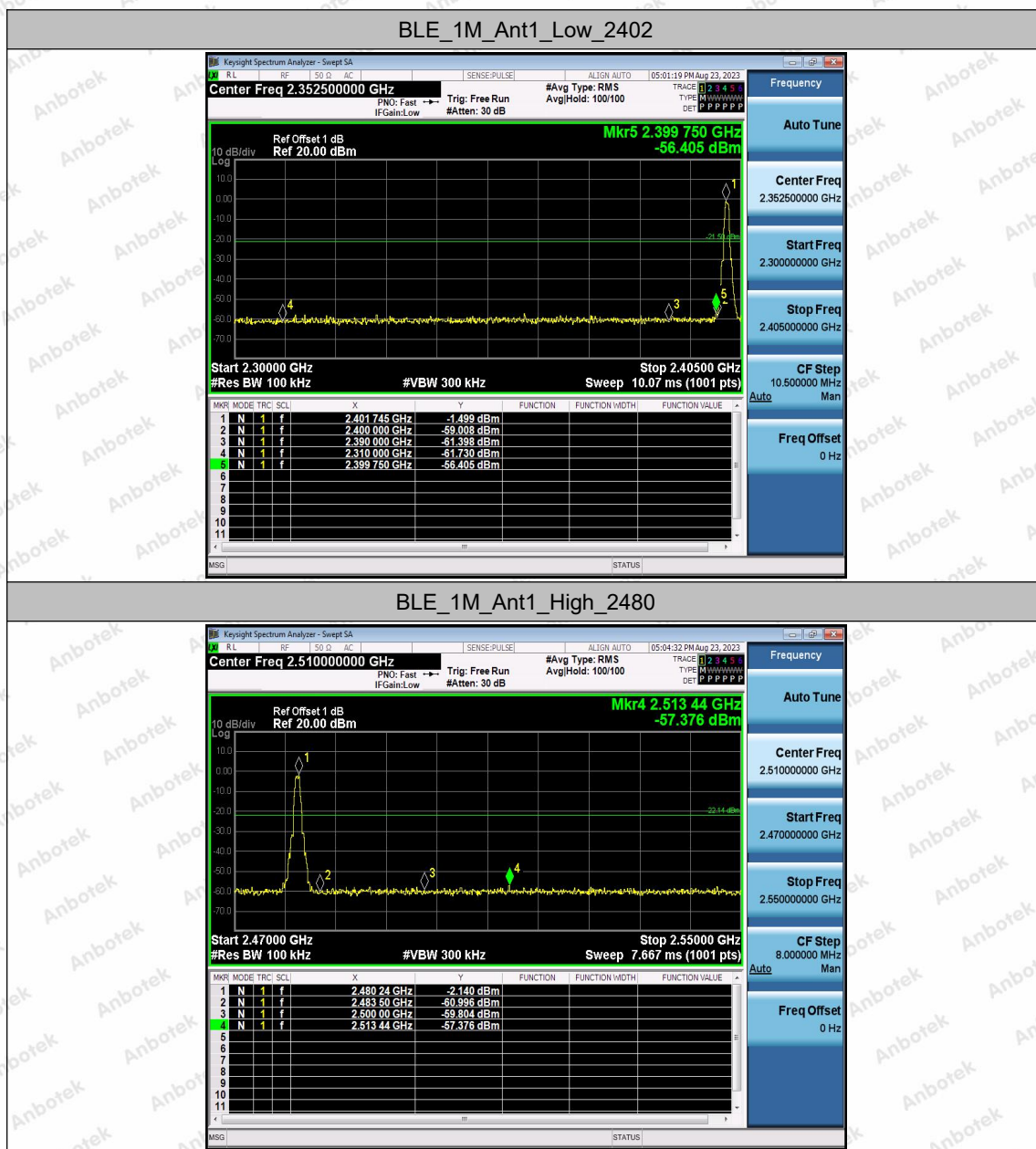


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.50	-56.41	≤-21.5	PASS
		High	2480	-2.14	-57.38	≤-22.14	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	-1.42	-1.42	---	PASS
			30~1000	-1.42	-68.85	≤-21.42	PASS
			1000~26500	-1.42	-53.52	≤-21.42	PASS
		2440	Reference	-2.30	-2.30	---	PASS
			30~1000	-2.30	-69.62	≤-22.3	PASS
			1000~26500	-2.30	-53.42	≤-22.3	PASS
		2480	Reference	-2.42	-2.42	---	PASS
			30~1000	-2.42	-68.93	≤-22.42	PASS
			1000~26500	-2.42	-53.92	≤-22.42	PASS

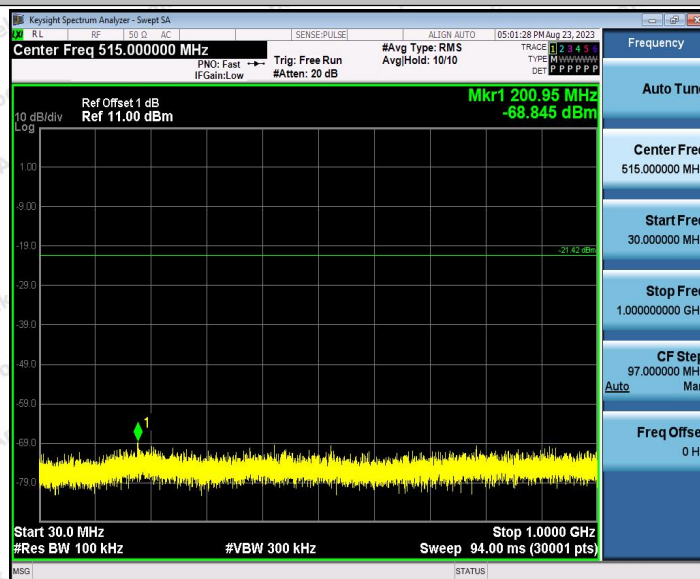


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

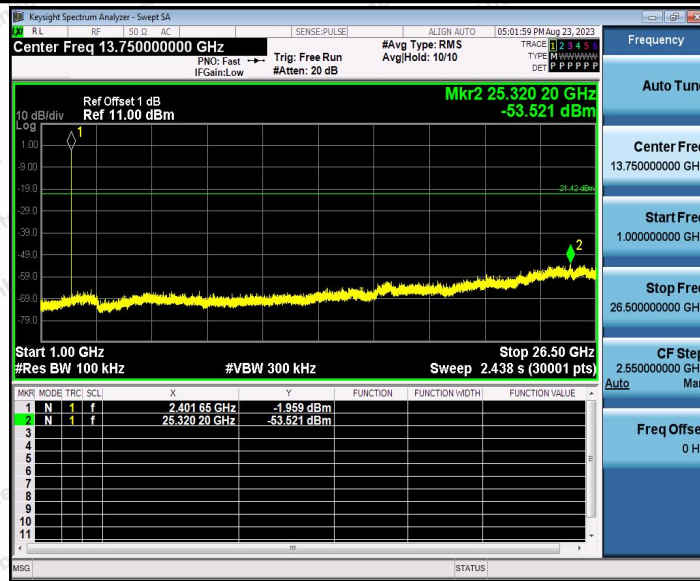
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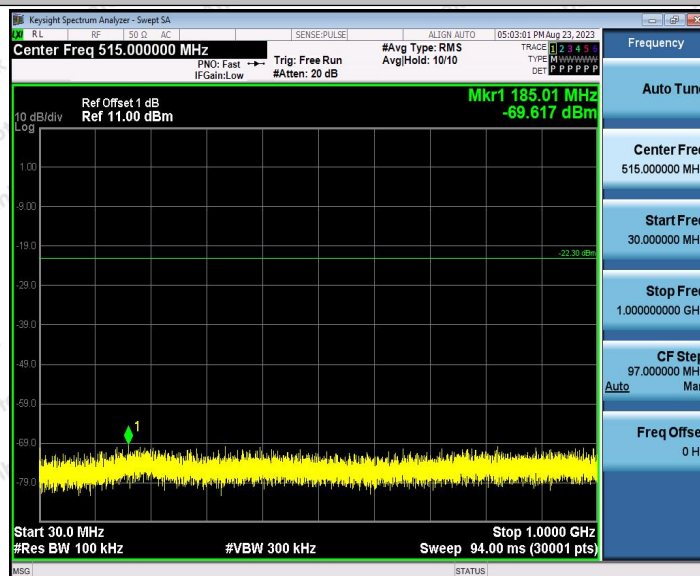




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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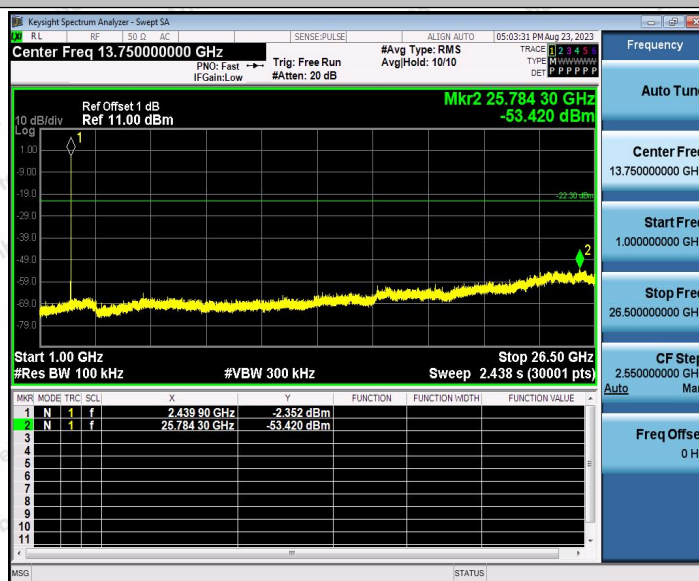
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

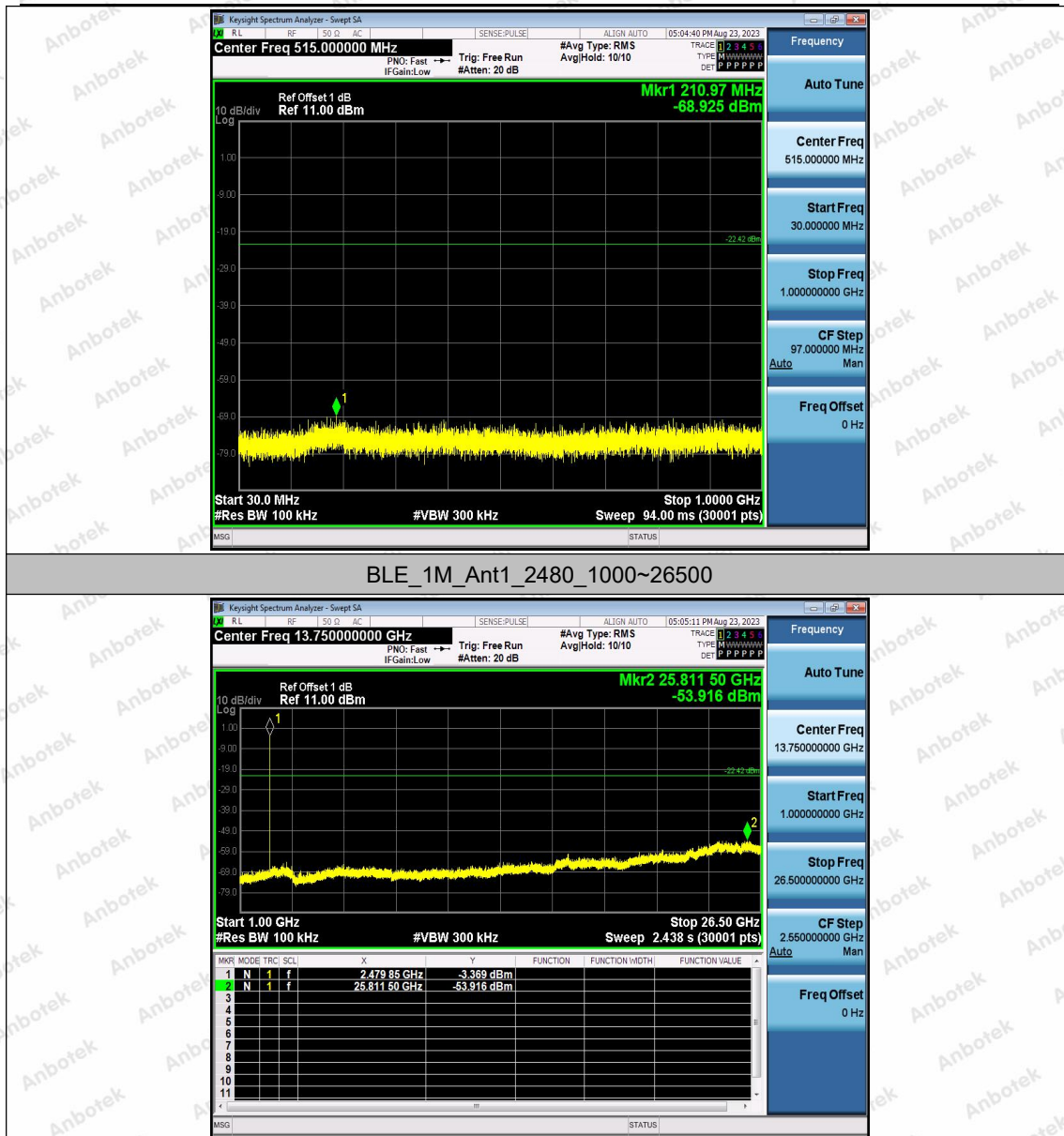
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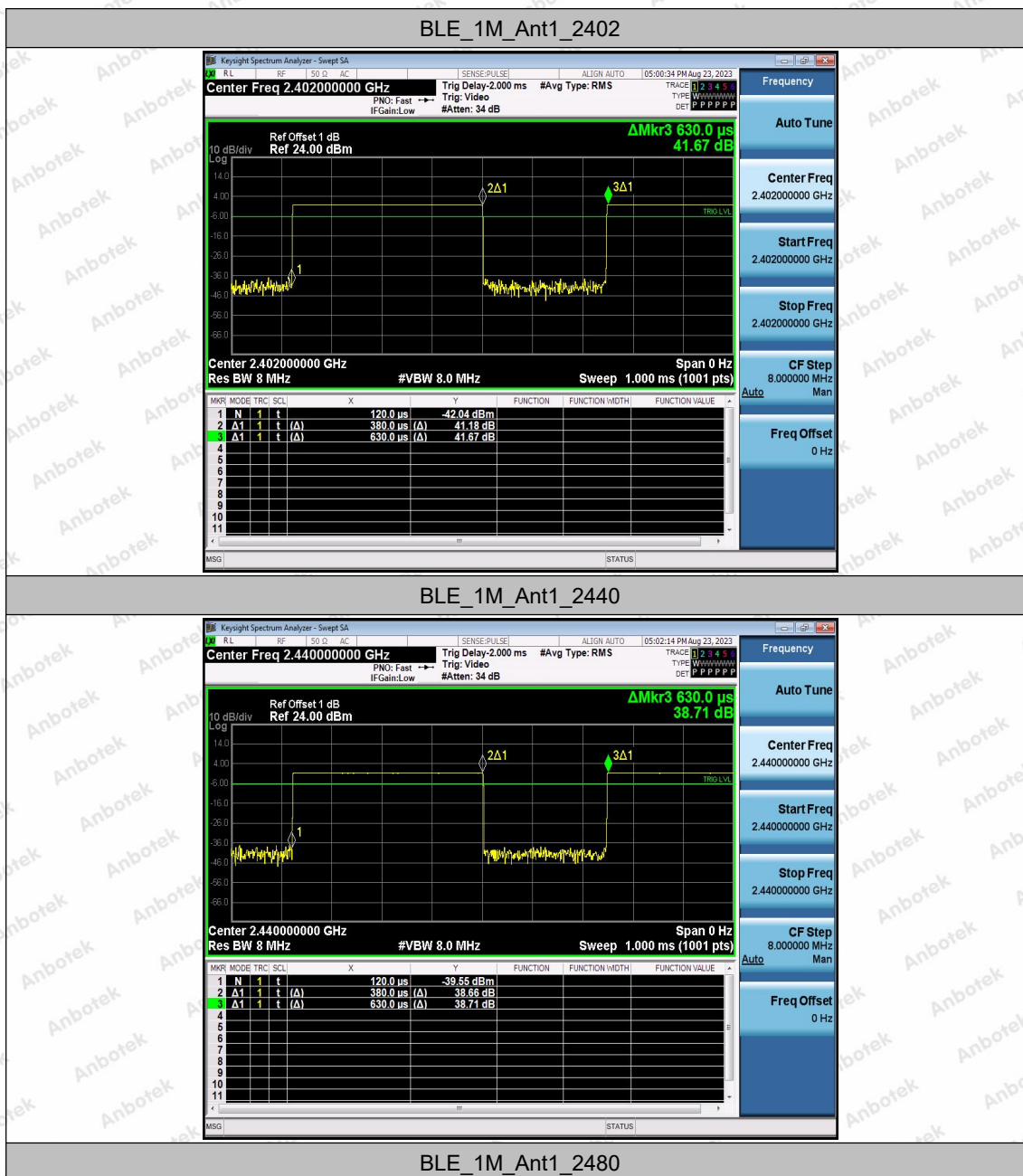
Appendix G: Duty Cycle

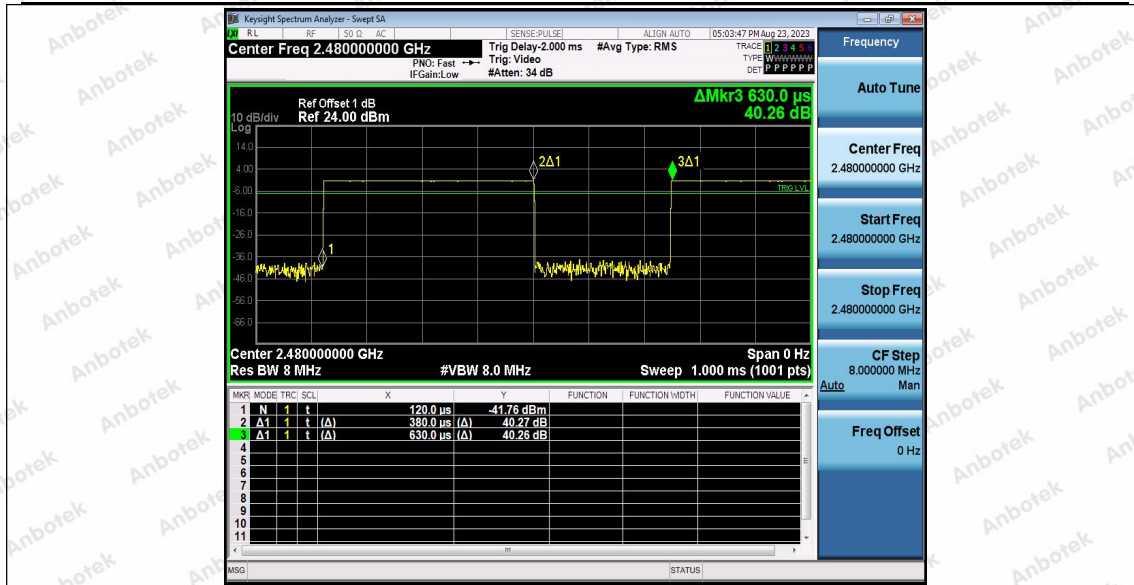
Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	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





---End---

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