

Appendix Test Data

Report No.:	18220WC30163801	Test Sample No.:	1-2-2
Start Test Date:	2023.08.03	Finish Test Date:	2023.08.04
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.3℃	Relative Humidity:	48%
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	0.508	2401.632	2402.140	0.5	PASS
		2440	0.504	2439.636	2440.140	0.5	PASS
		2480	0.504	2479.636	2480.140	0.5	PASS

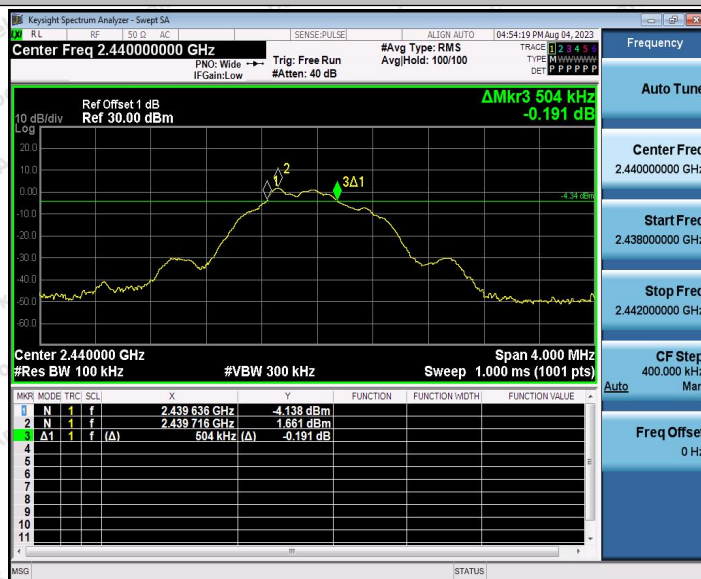


Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



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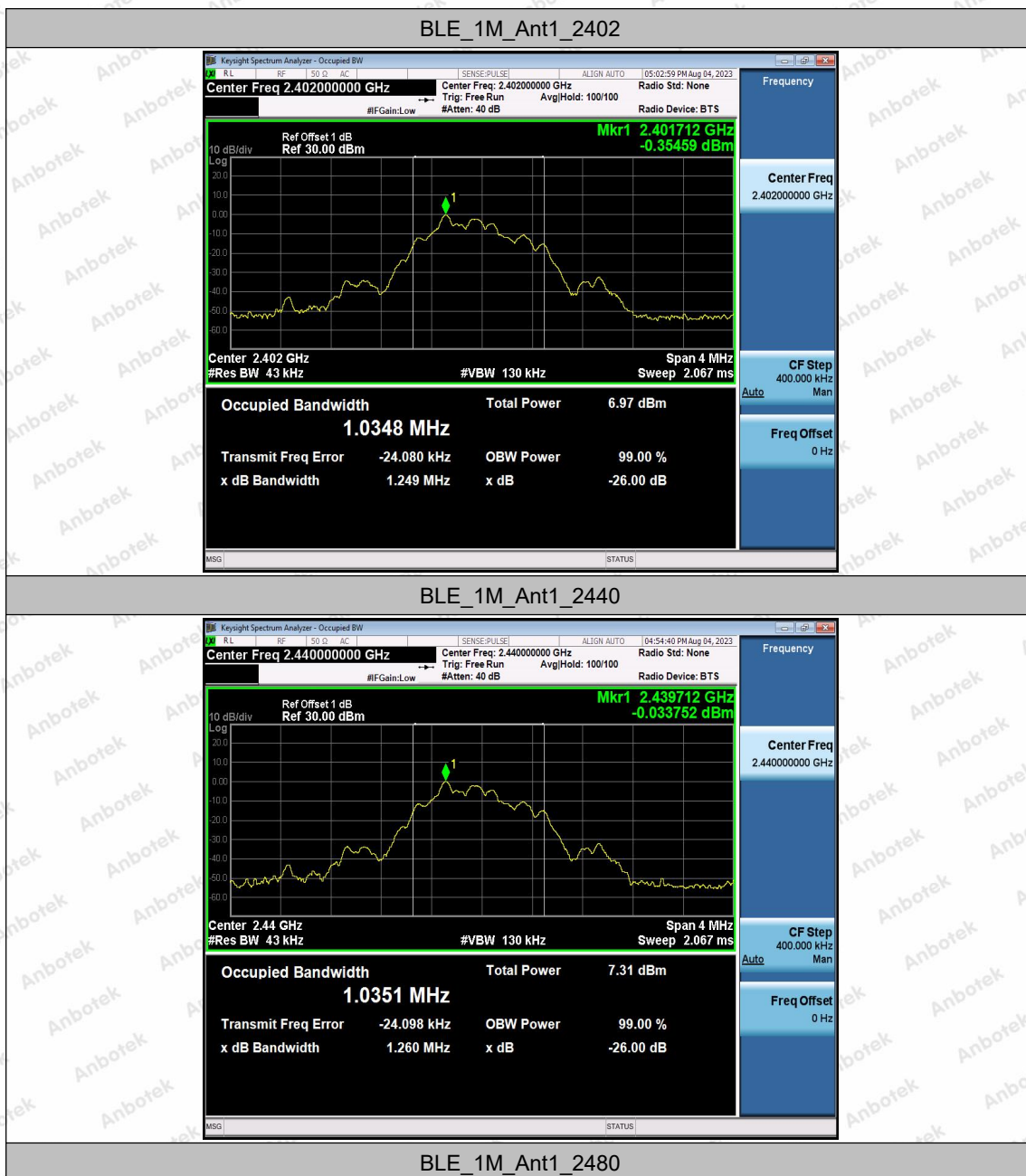
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0348	2401.4585	2402.4933
		2440	1.0351	2439.4584	2440.4935
		2480	1.0323	2479.4590	2480.4913



Test Graphs



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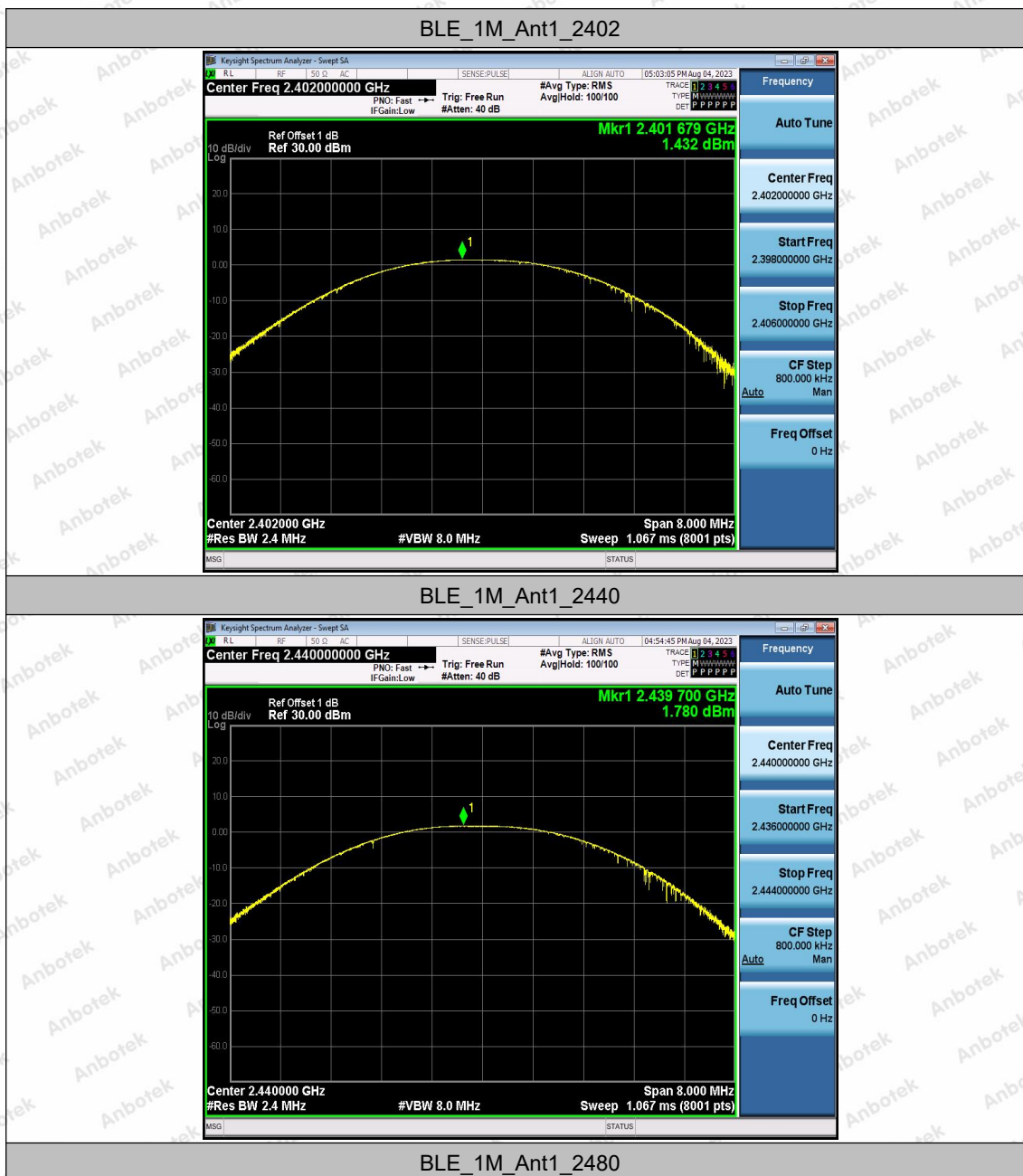
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.43	≤30	PASS
		2440	1.78	≤30	PASS
		2480	1.69	≤30	PASS



Test Graphs Peak



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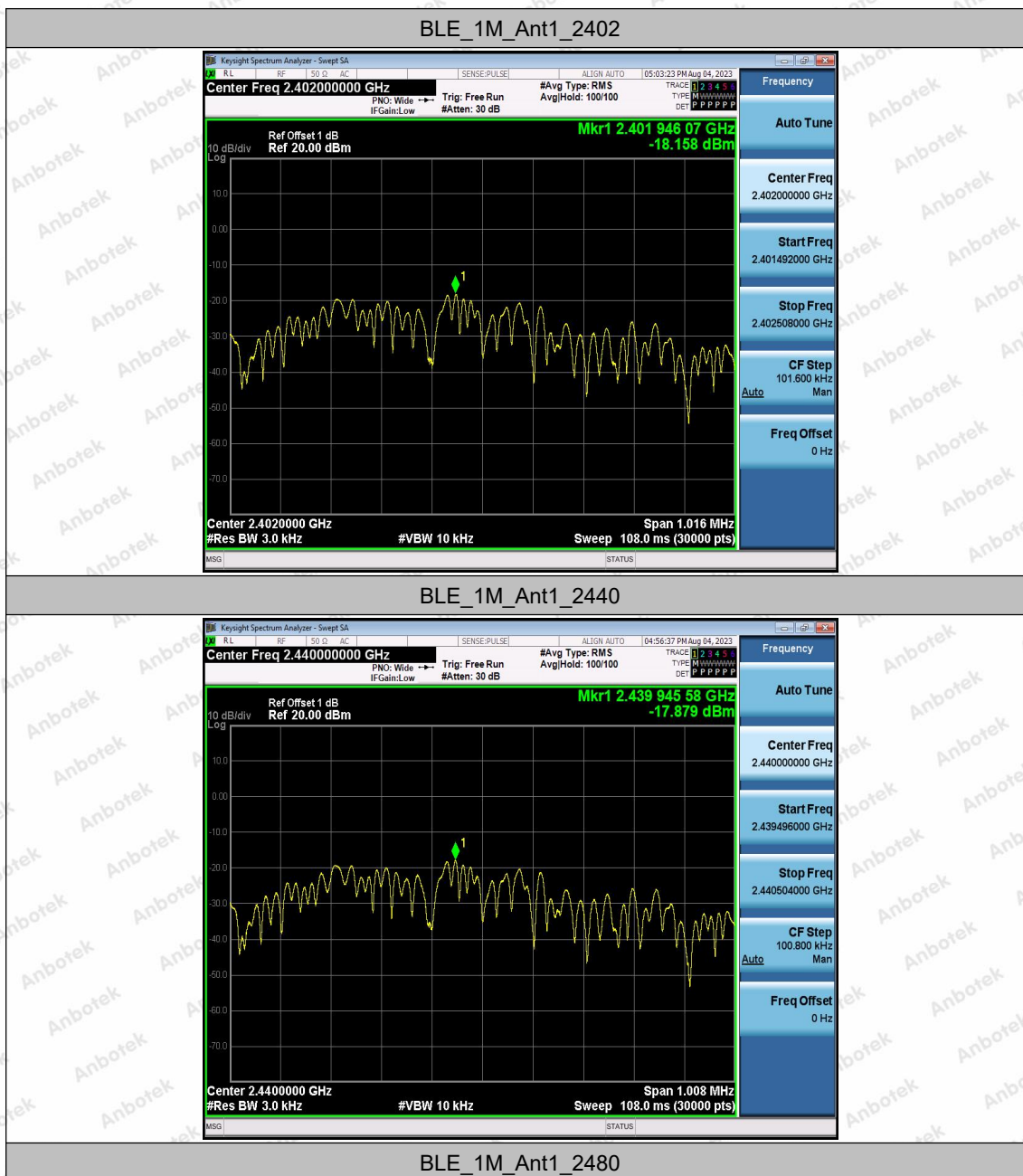
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.16	≤8.00	PASS
		2440	-17.88	≤8.00	PASS
		2480	-17.9	≤8.00	PASS



Test Graphs



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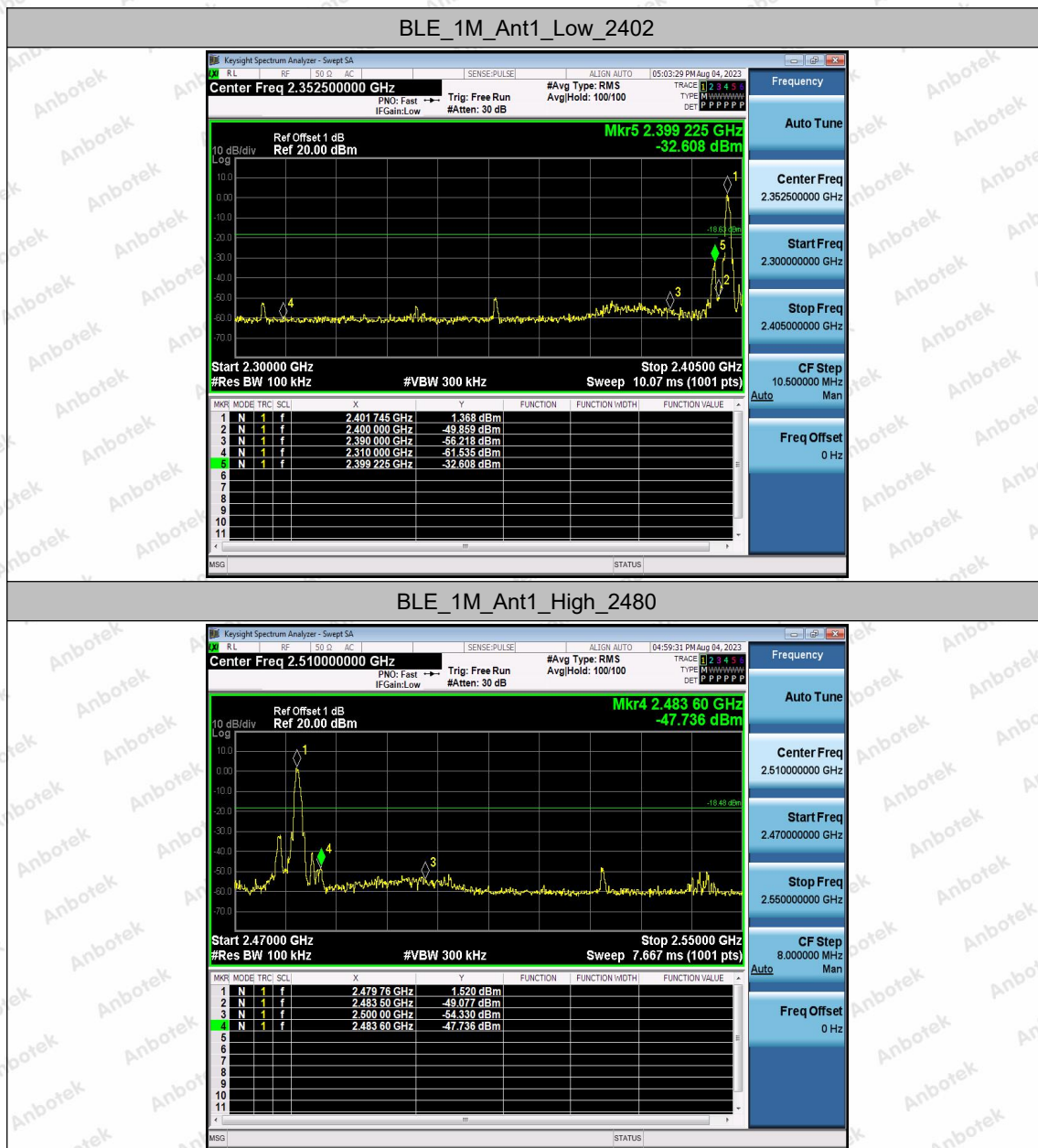


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.37	-32.61	≤-18.63	PASS
		High	2480	1.52	-47.74	≤-18.48	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	1.33	1.33	---	PASS
			30~1000	1.33	-55.54	≤-18.67	PASS
			1000~26500	1.33	-46.92	≤-18.67	PASS
		2440	Reference	1.62	1.62	---	PASS
			30~1000	1.62	-55.61	≤-18.38	PASS
			1000~26500	1.62	-46.08	≤-18.38	PASS
		2480	Reference	1.59	1.59	---	PASS
			30~1000	1.59	-56.14	≤-18.41	PASS
			1000~26500	1.59	-48.45	≤-18.41	PASS

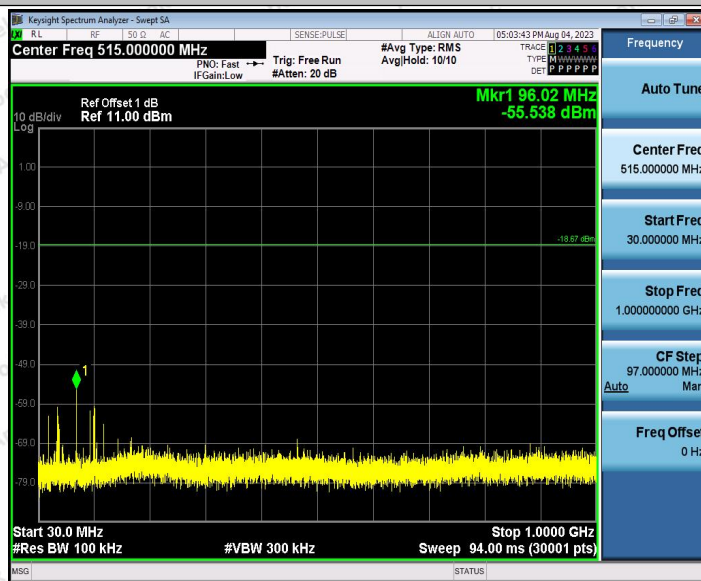


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

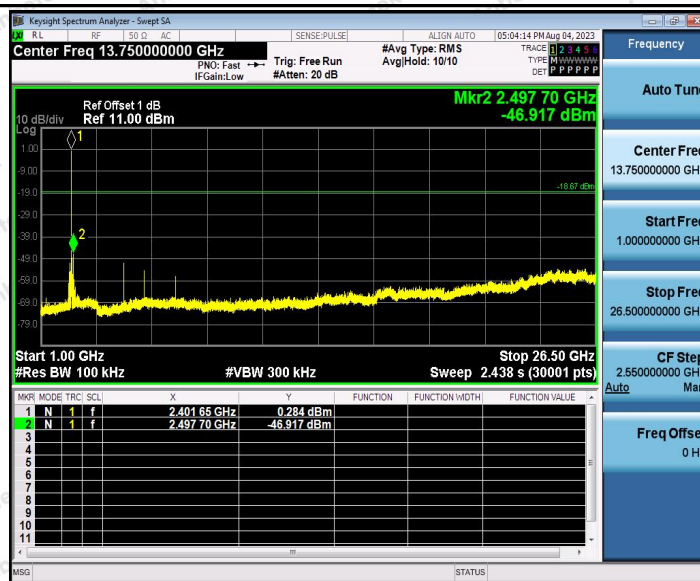
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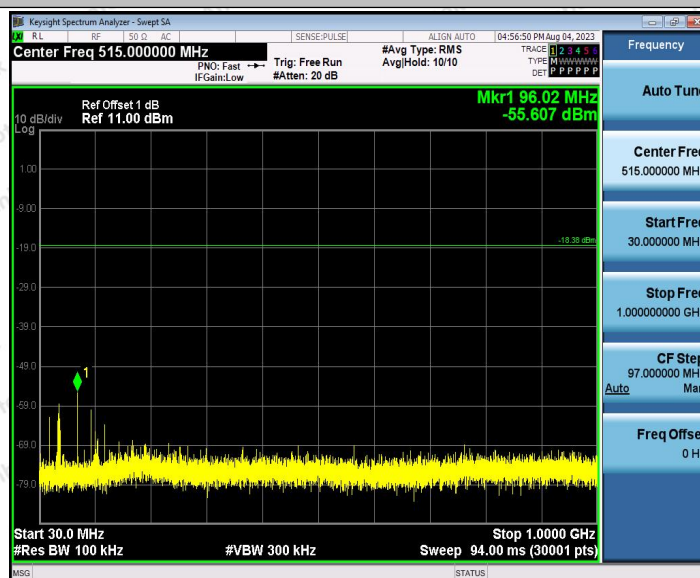




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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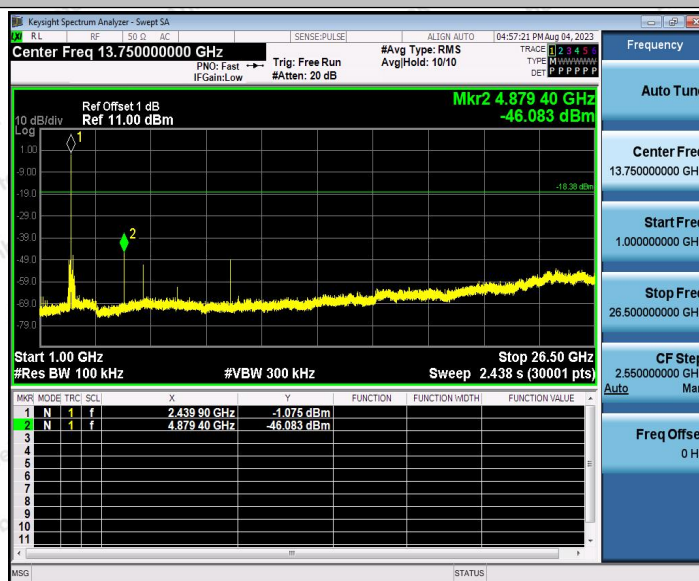
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

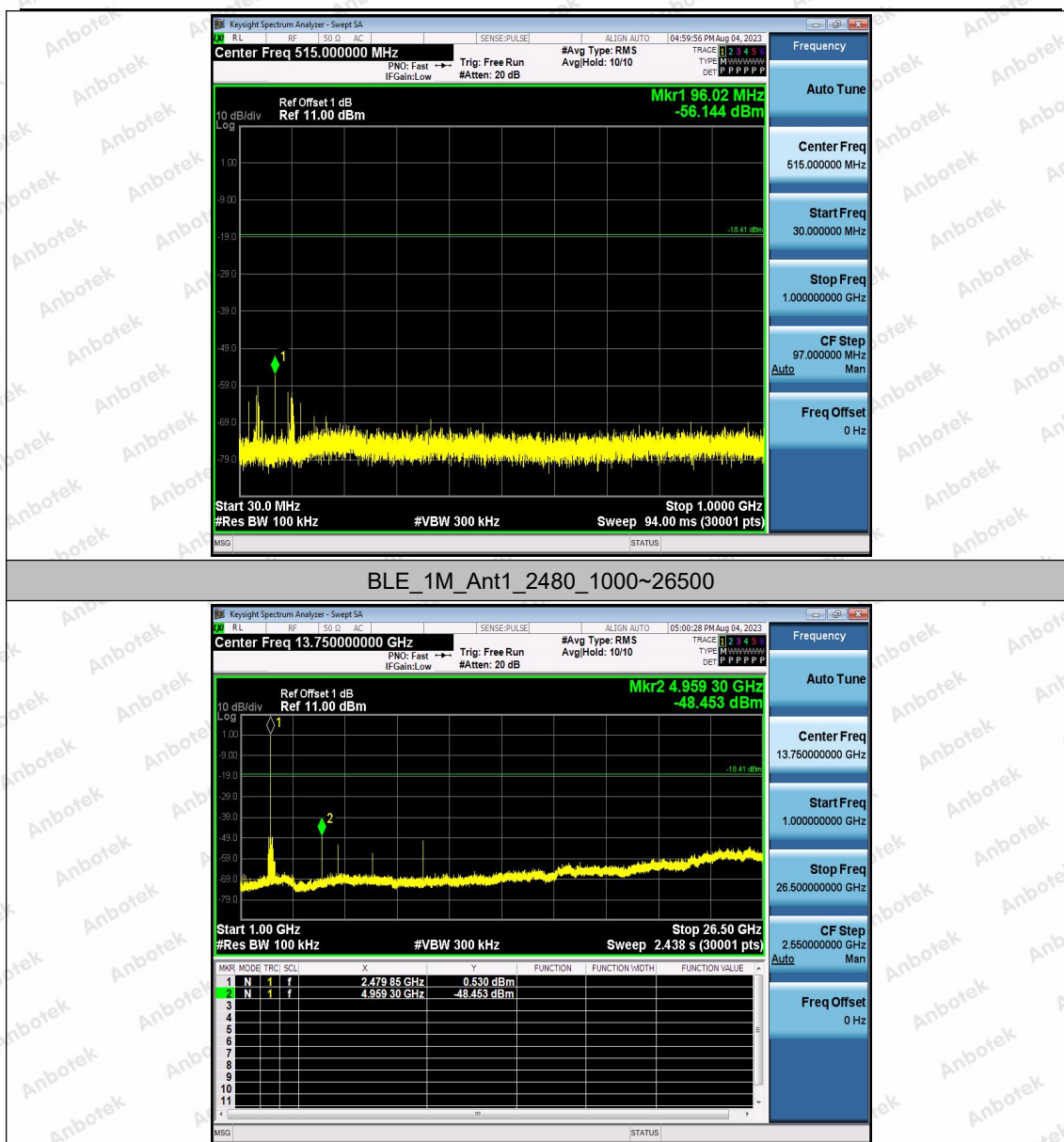
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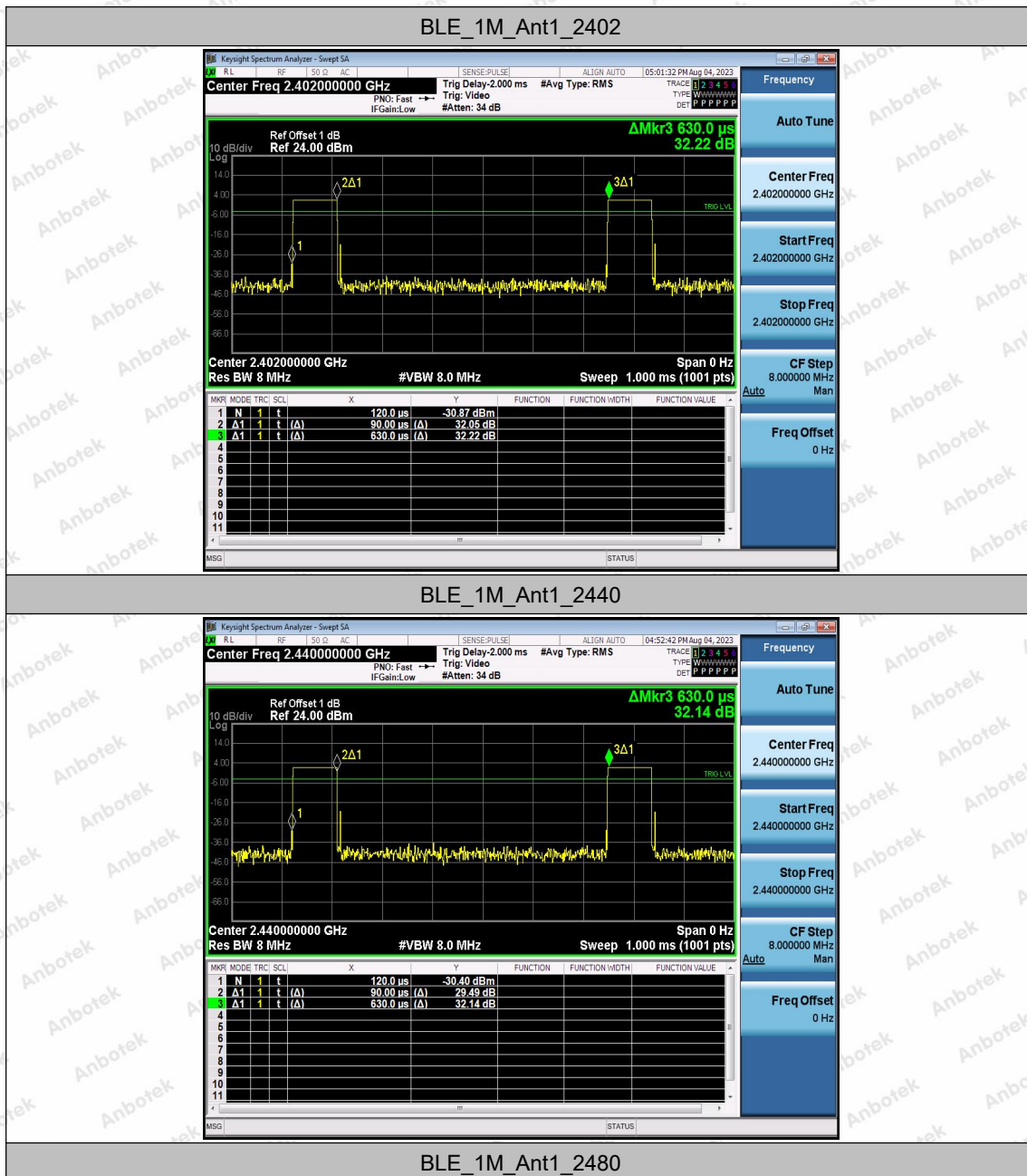
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.09	0.63	14.29	8.45
		2440	0.09	0.63	14.29	8.45
		2480	0.09	0.63	14.29	8.45



Test Graphs



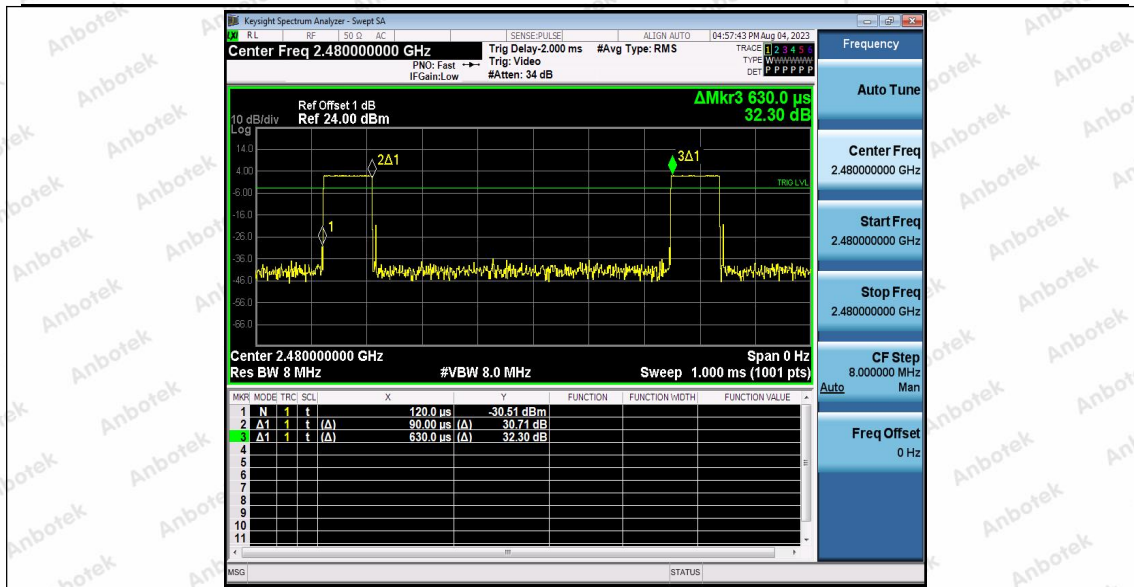
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