

Appendix Test Data

Report No.:	18220WC30267201	Test Sample No.:	1-2-2
Start Test Date:	2023.12.20	Finish Test Date:	2023.12.21
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.3℃	Relative Humidity:	44%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.660	2401.664	2402.324	0.5	PASS
		2440	0.676	2439.656	2440.332	0.5	PASS
		2480	0.684	2479.656	2480.340	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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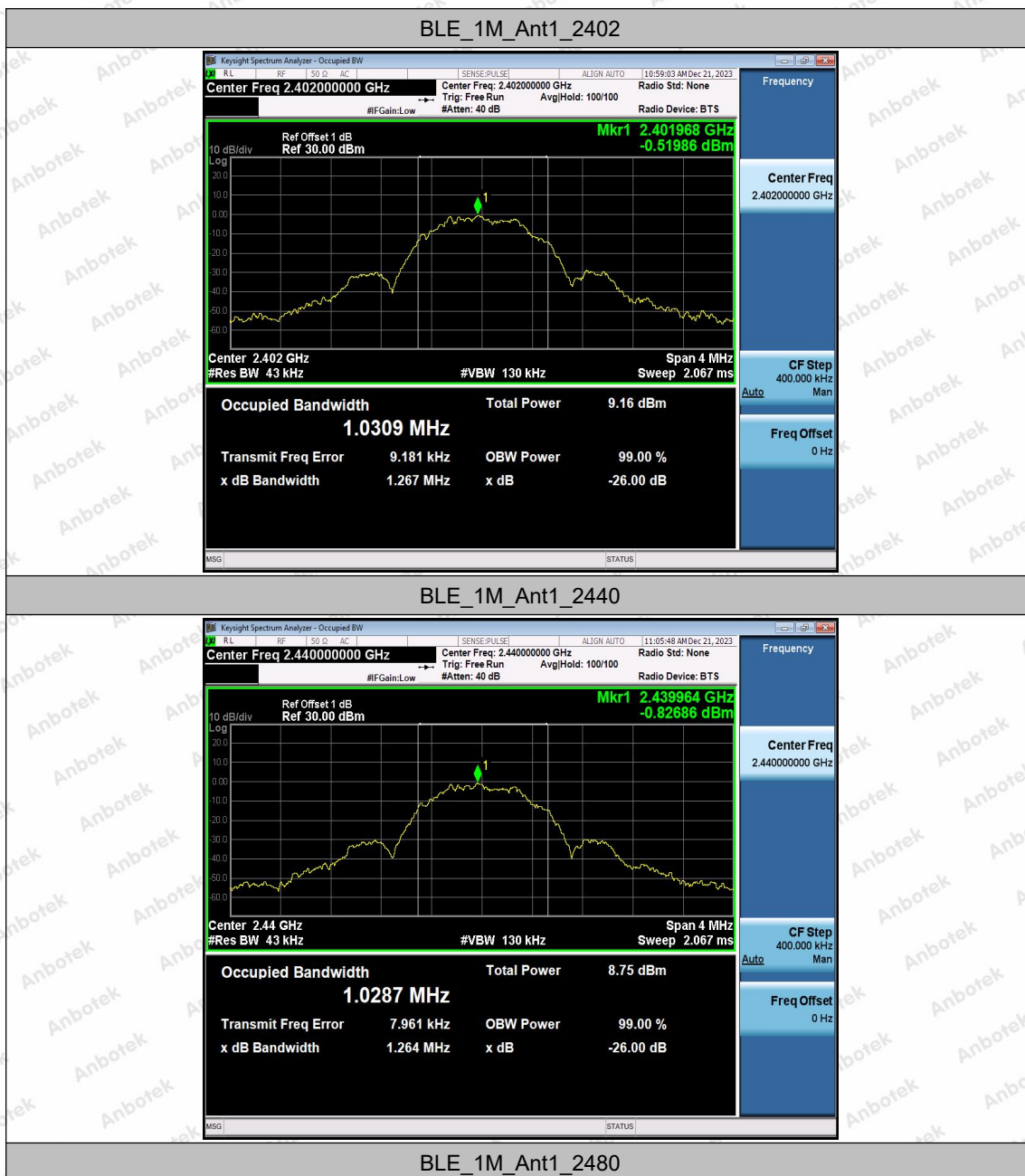
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0309	2401.4937	2402.5246
		2440	1.0287	2439.4936	2440.5223
		2480	1.0303	2479.4939	2480.5242



Test Graphs



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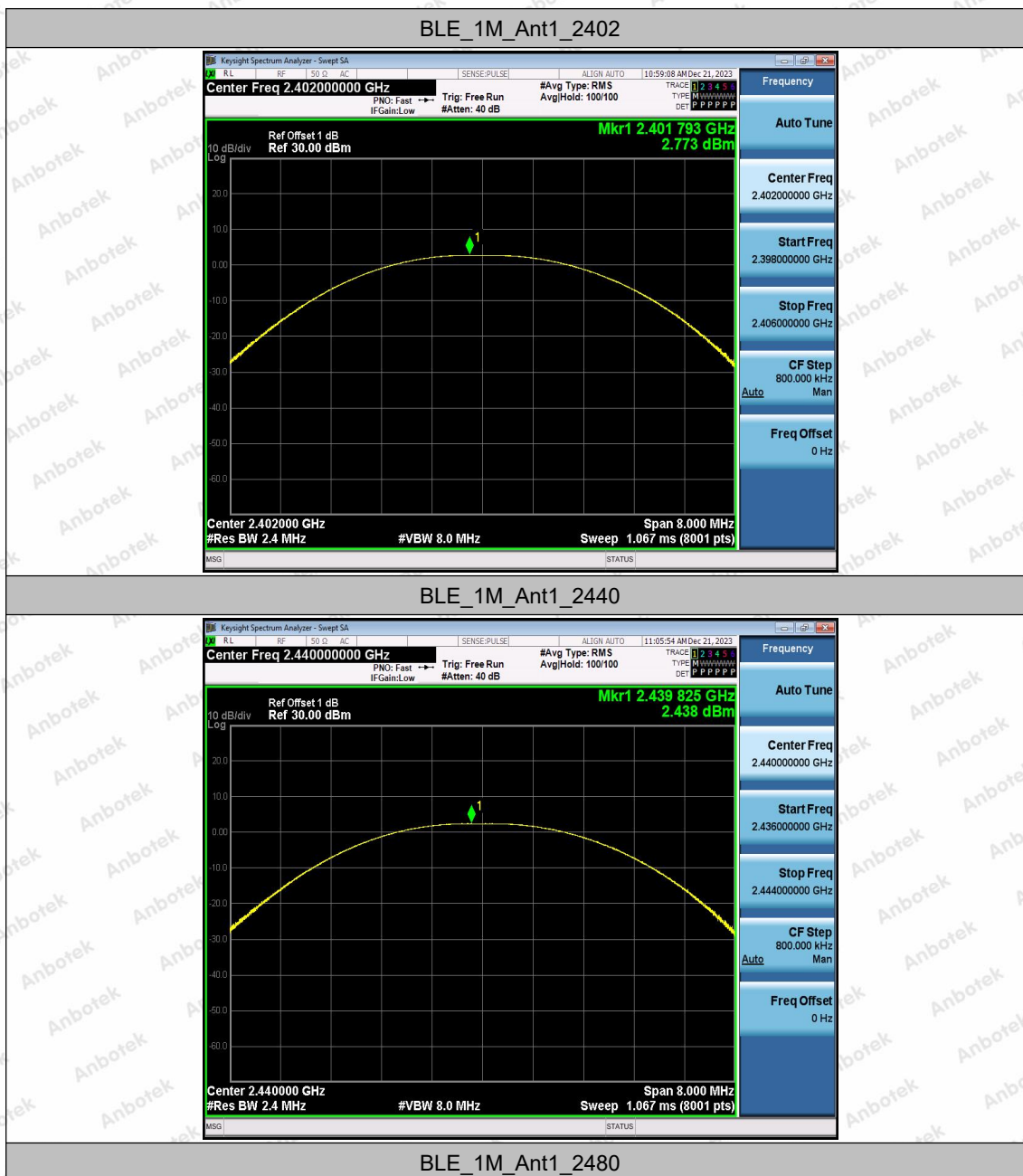
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.77	≤30	PASS
		2440	2.44	≤30	PASS
		2480	1.68	≤30	PASS



Test Graphs Peak



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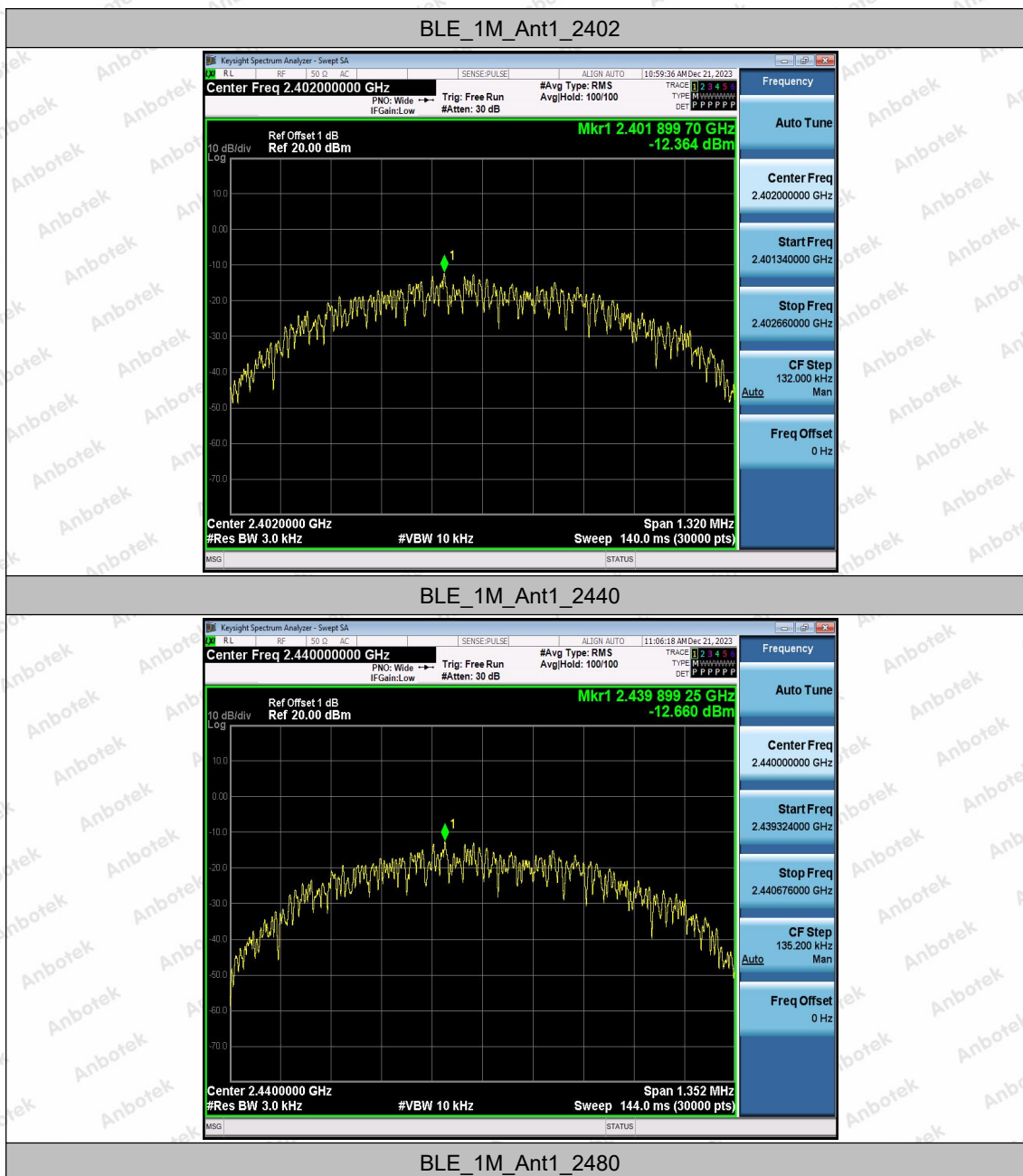
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.36	≤8.00	PASS
		2440	-12.66	≤8.00	PASS
		2480	-13.47	≤8.00	PASS



Test Graphs



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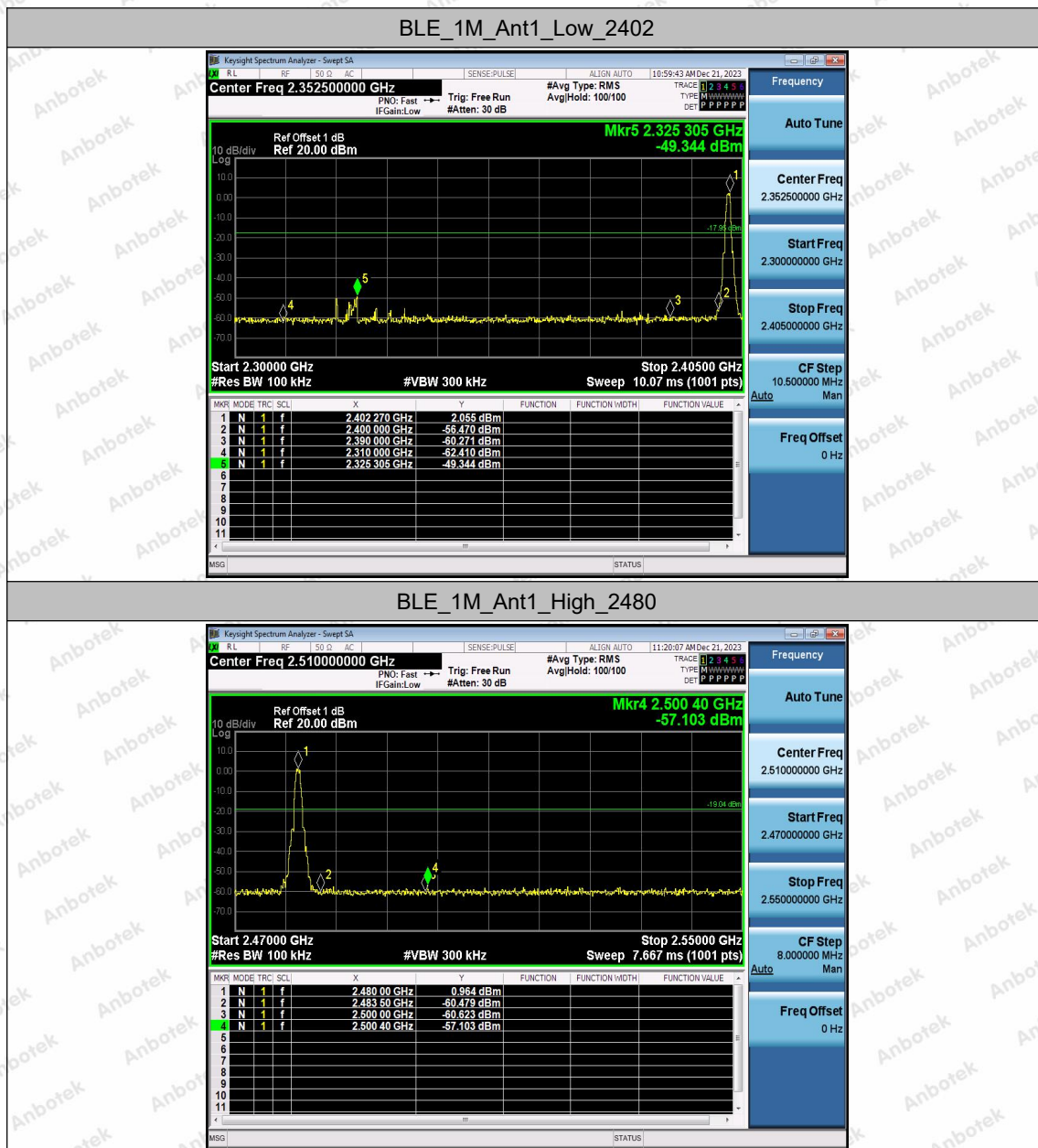


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.06	-49.34	≤-17.95	PASS
		High	2480	0.96	-57.1	≤-19.04	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	1.78	1.78	---	PASS
			30~1000	1.78	-69.63	≤-18.22	PASS
			1000~26500	1.78	-53.55	≤-18.22	PASS
		2440	Reference	0.68	0.68	---	PASS
			30~1000	0.68	-68.85	≤-19.32	PASS
			1000~26500	0.68	-53.75	≤-19.32	PASS
		2480	Reference	-0.23	-0.23	---	PASS
			30~1000	-0.23	-68.75	≤-20.23	PASS
			1000~26500	-0.23	-53.89	≤-20.23	PASS

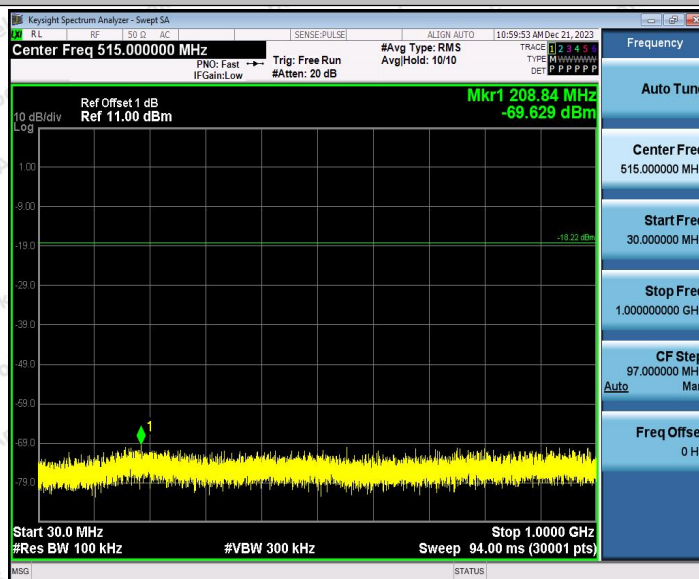


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

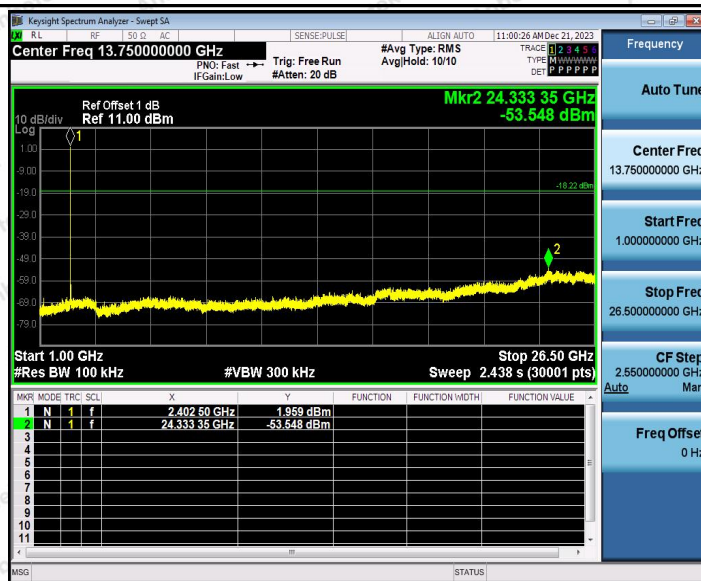
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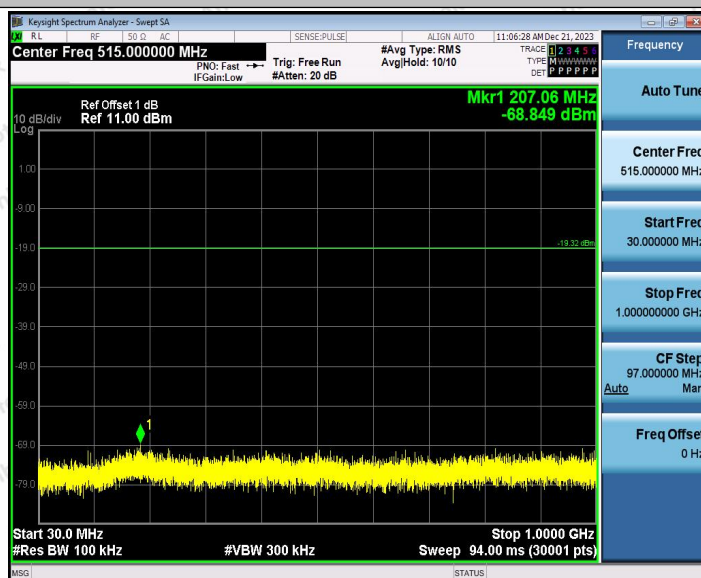




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



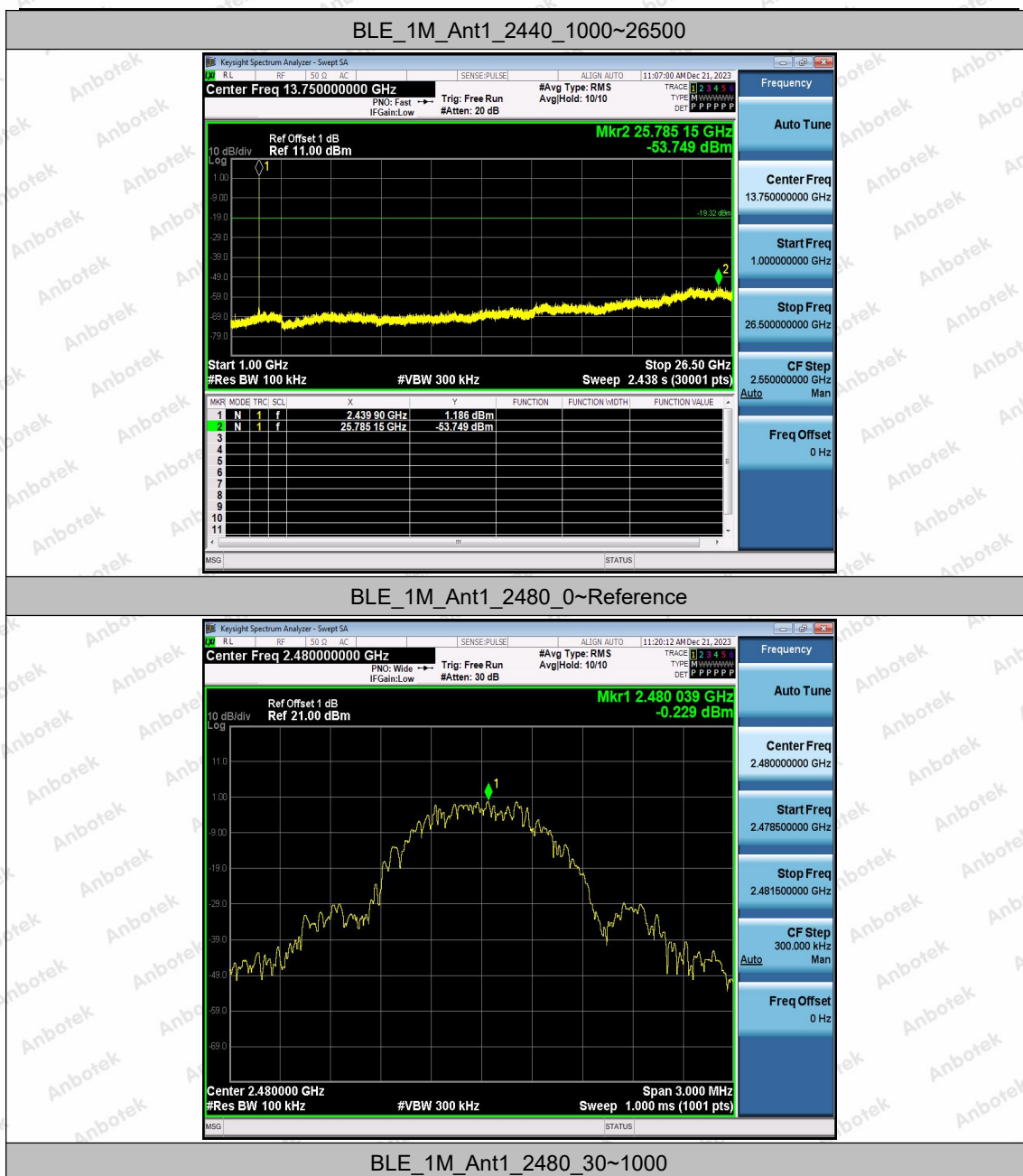
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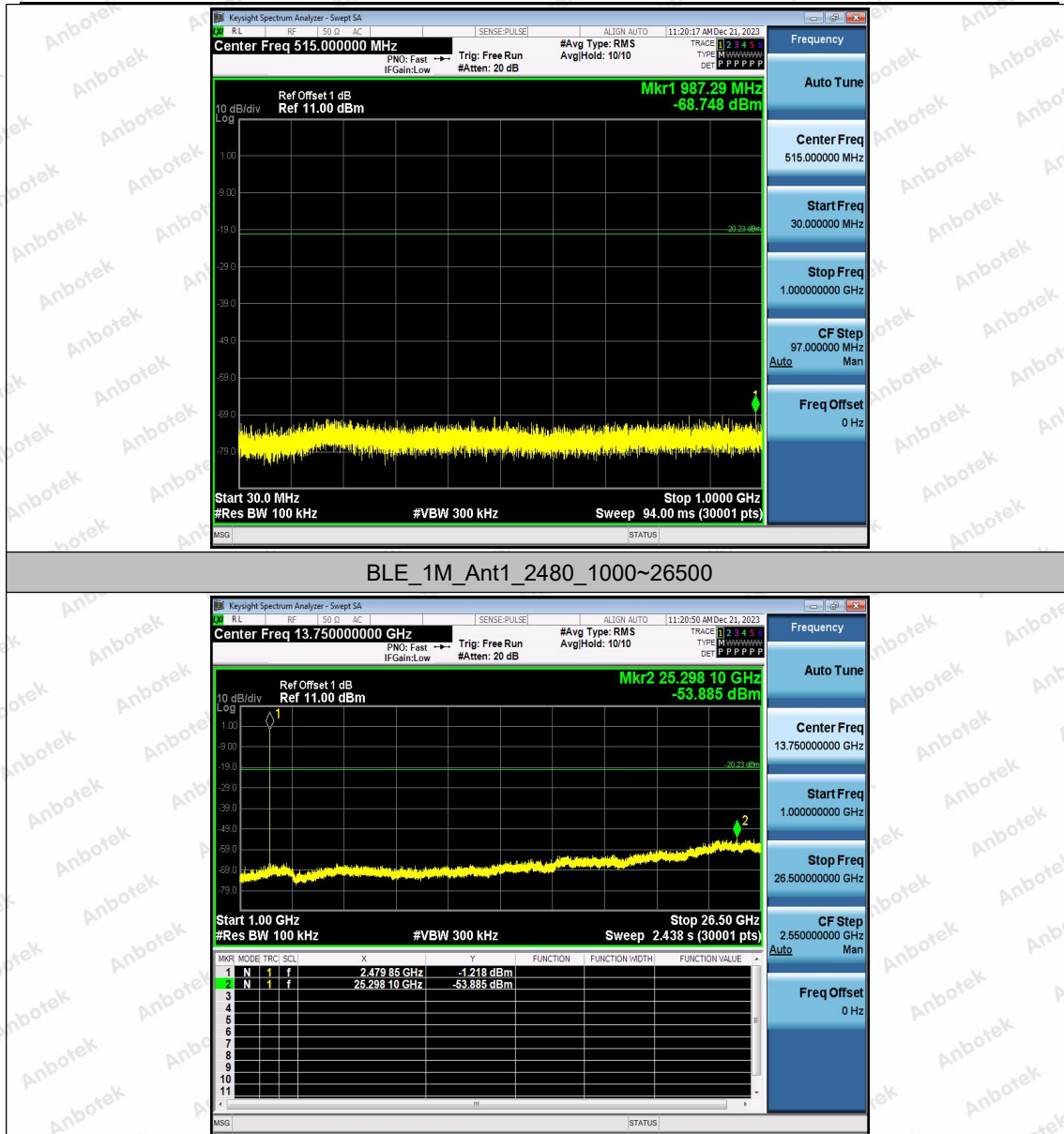
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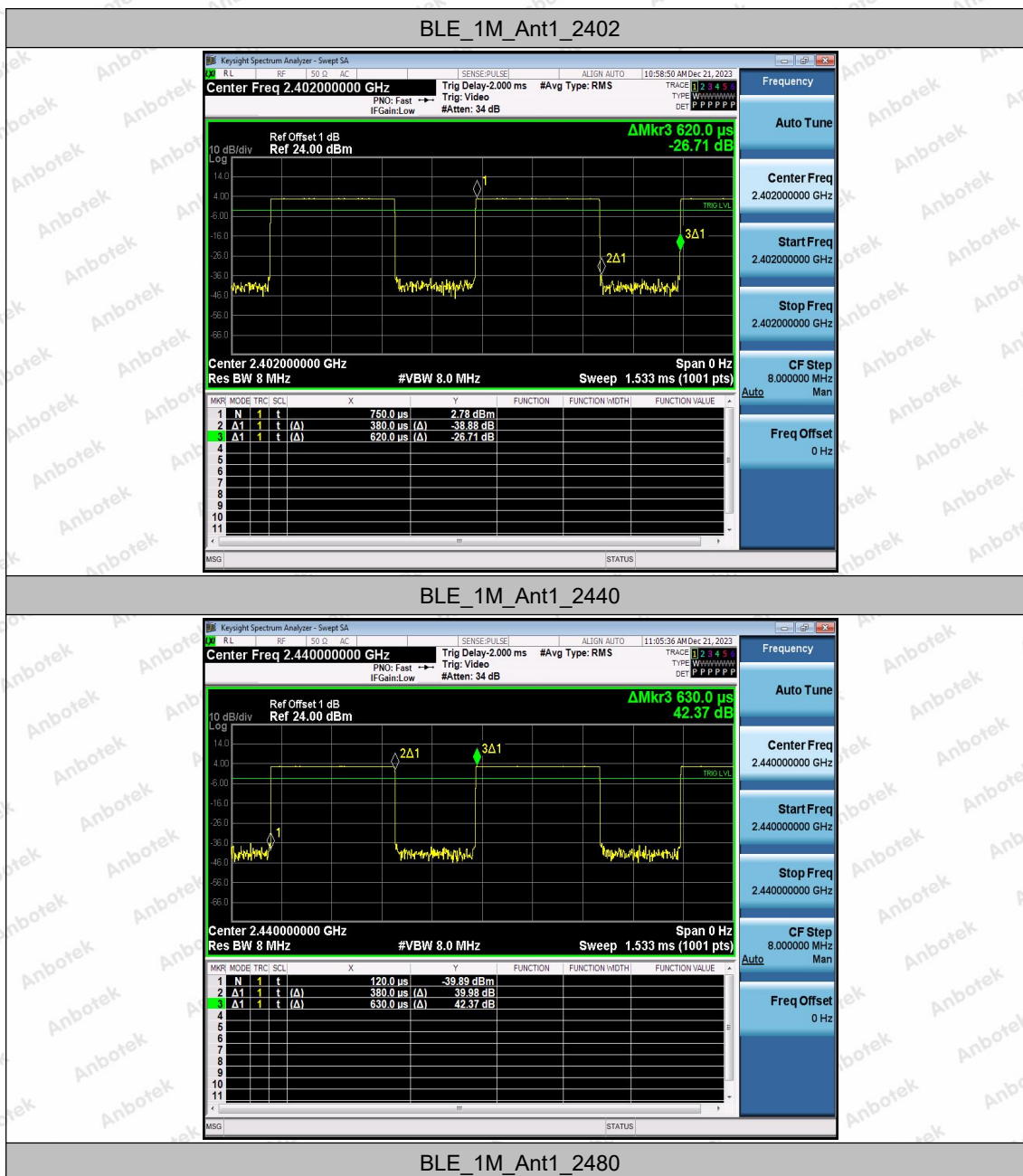
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	0.62	61.29	2.13
		2440	0.38	0.63	60.32	2.20
		2480	0.37	0.62	59.68	2.24



Test Graphs



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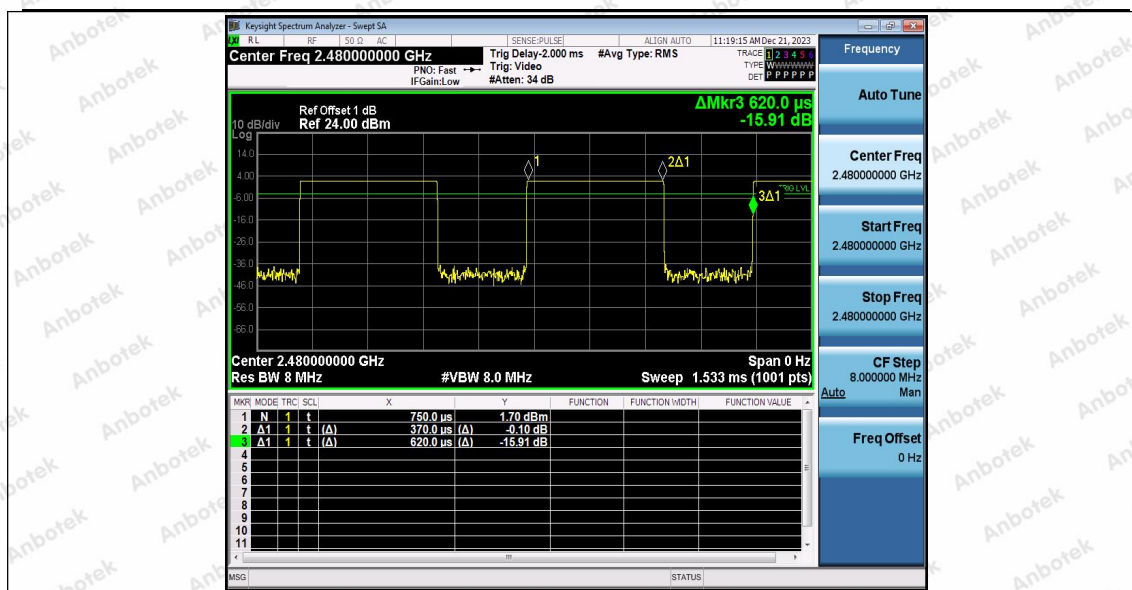


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