

Appendix Test Data

Report No.:	18220WC40001801	Test Sample No.:	1-2-2
Start Test Date:	2024.01.05	Finish Test Date:	2024.01.08
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	23.7℃	Relative Humidity:	43%
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	0.688	2401.660	2402.348	0.5	PASS
		2440	0.664	2439.676	2440.340	0.5	PASS
		2480	0.680	2479.656	2480.336	0.5	PASS



Test Graphs



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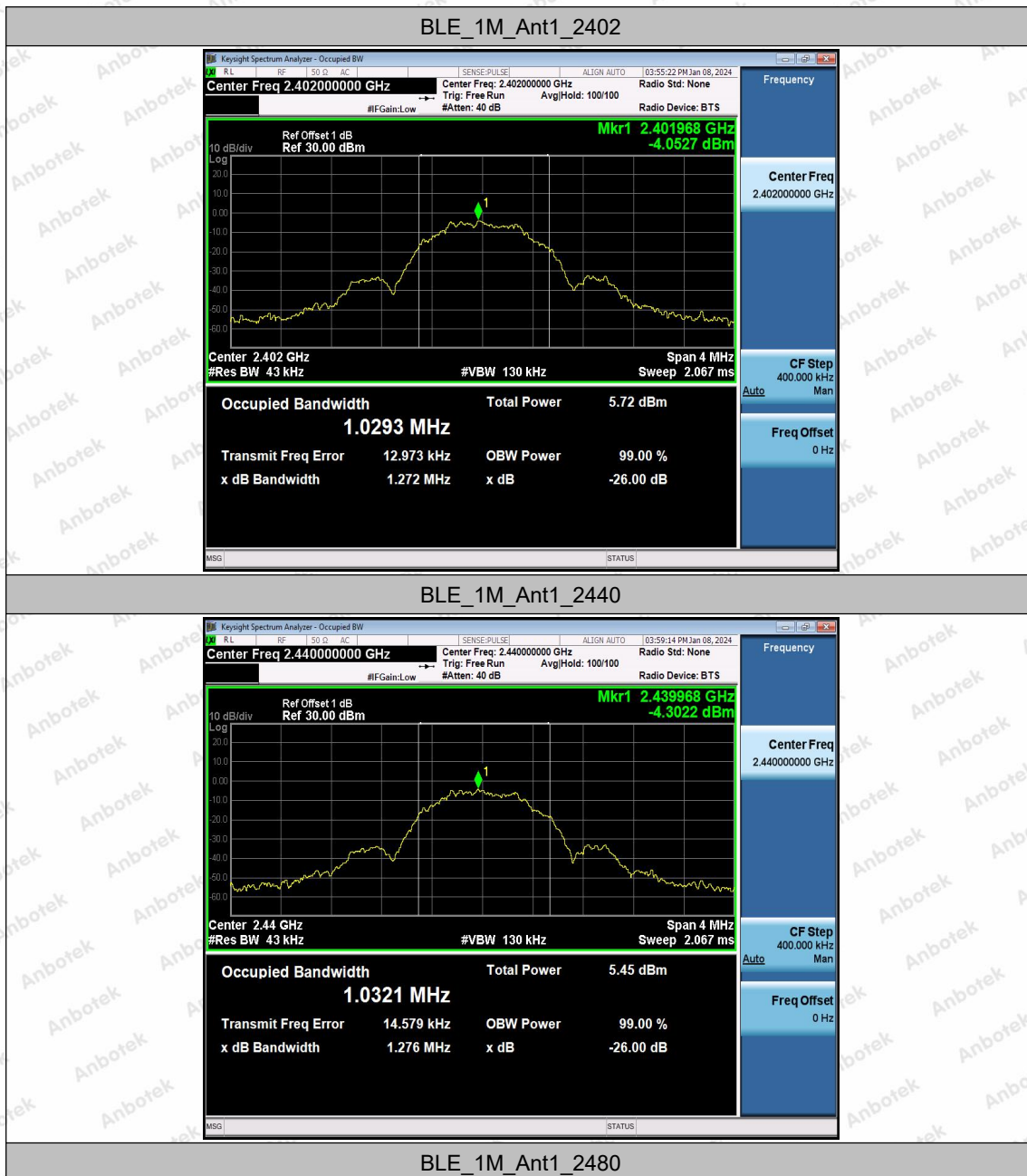
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0293	2401.4983	2402.5276
		2440	1.0321	2439.4985	2440.5306
		2480	1.0221	2479.4978	2480.5199



Test Graphs



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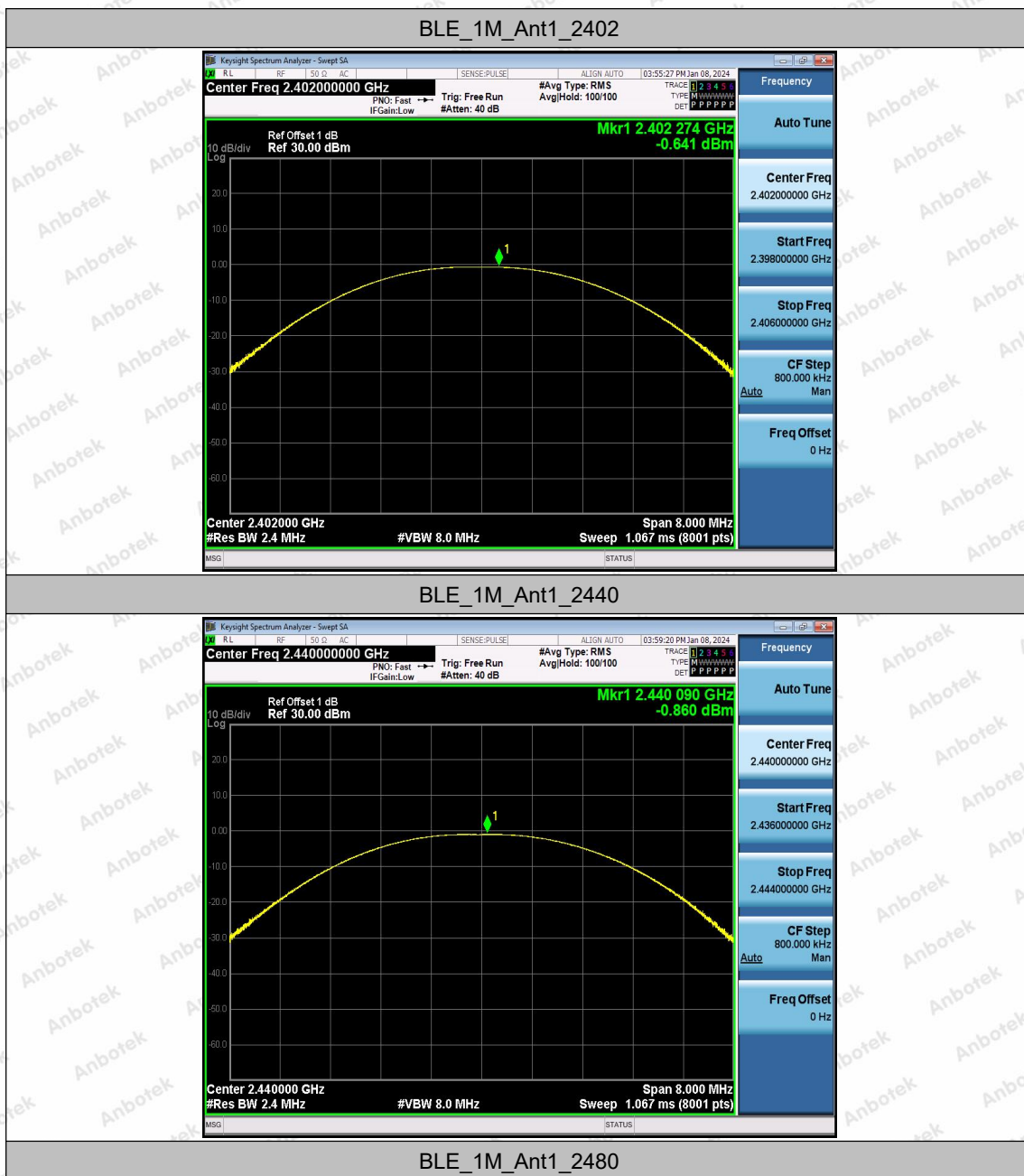
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.64	≤30	PASS
		2440	-0.86	≤30	PASS
		2480	-1.46	≤30	PASS



Test Graphs Peak



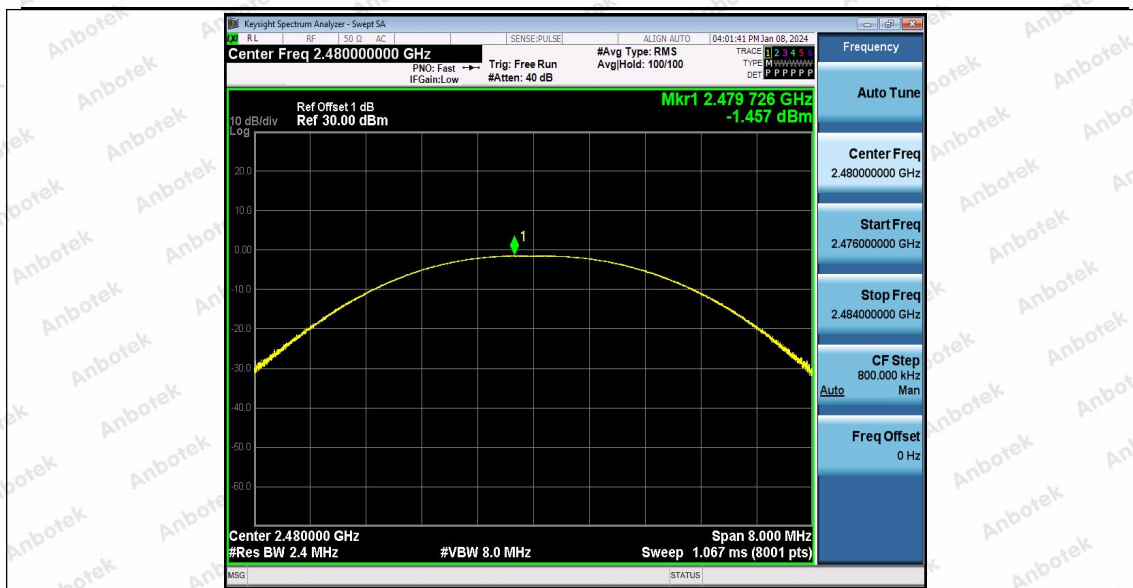
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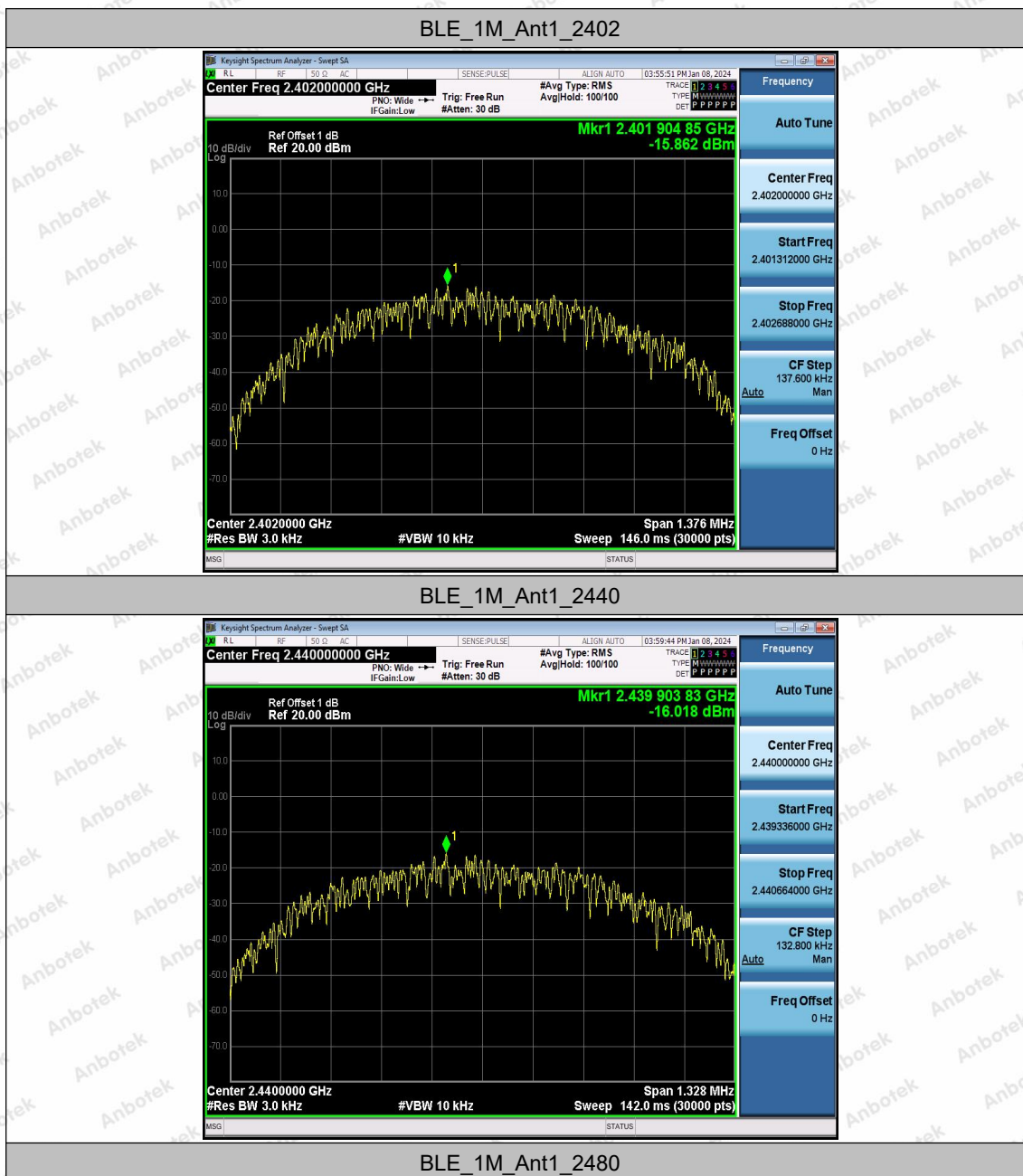
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.86	≤8.00	PASS
		2440	-16.02	≤8.00	PASS
		2480	-16.64	≤8.00	PASS



Test Graphs



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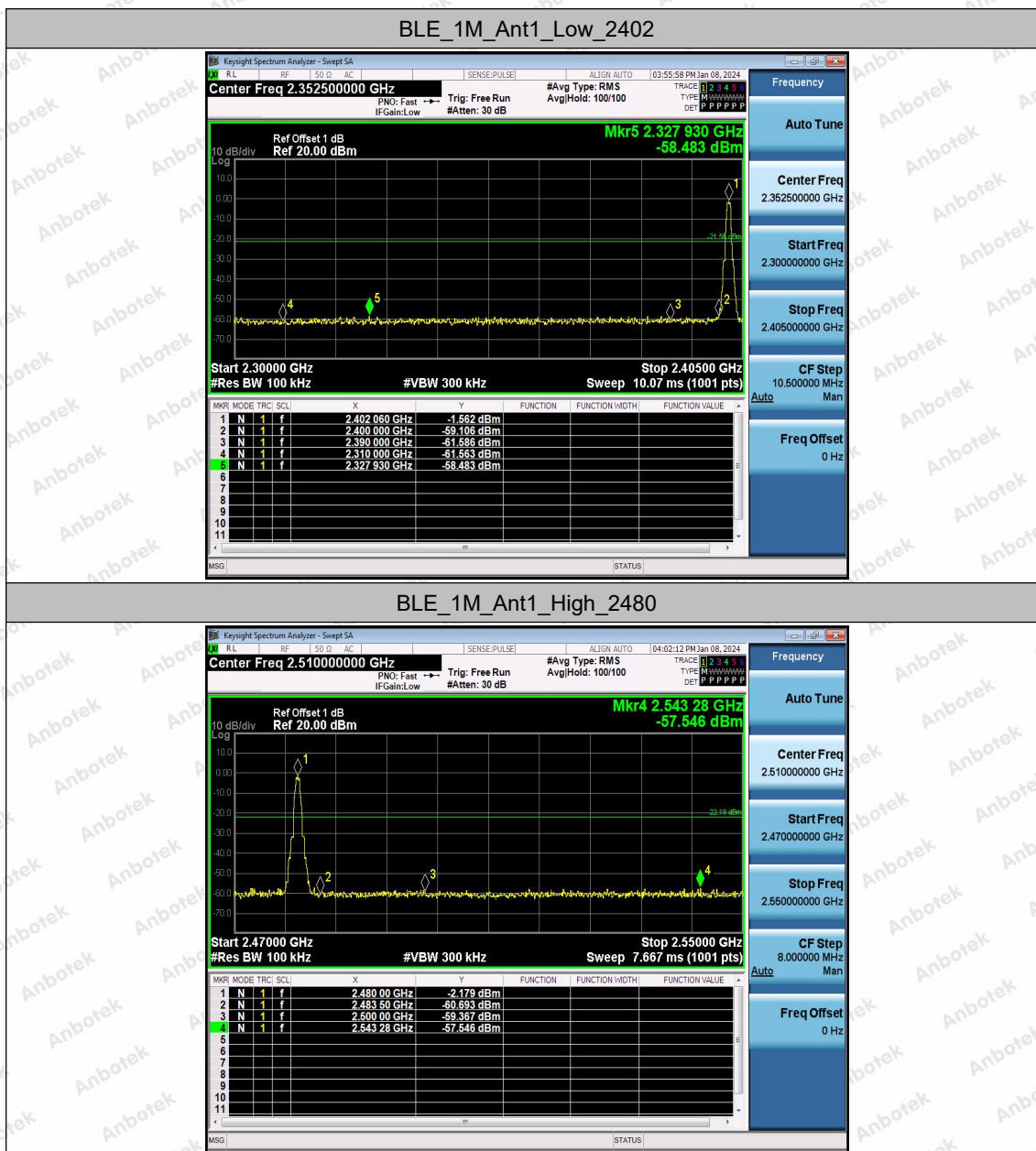
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.56	-58.48	≤-21.56	PASS
		High	2480	-2.18	-57.55	≤-22.18	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	-1.73	-1.73	---	PASS
			30~1000	-1.73	-68.43	≤-21.73	PASS
			1000~26500	-1.73	-53.83	≤-21.73	PASS
		2440	Reference	-2.03	-2.03	---	PASS
			30~1000	-2.03	-69.39	≤-22.03	PASS
			1000~26500	-2.03	-53.46	≤-22.03	PASS
		2480	Reference	-2.41	-2.41	---	PASS
			30~1000	-2.41	-69.89	≤-22.41	PASS
			1000~26500	-2.41	-53.78	≤-22.41	PASS

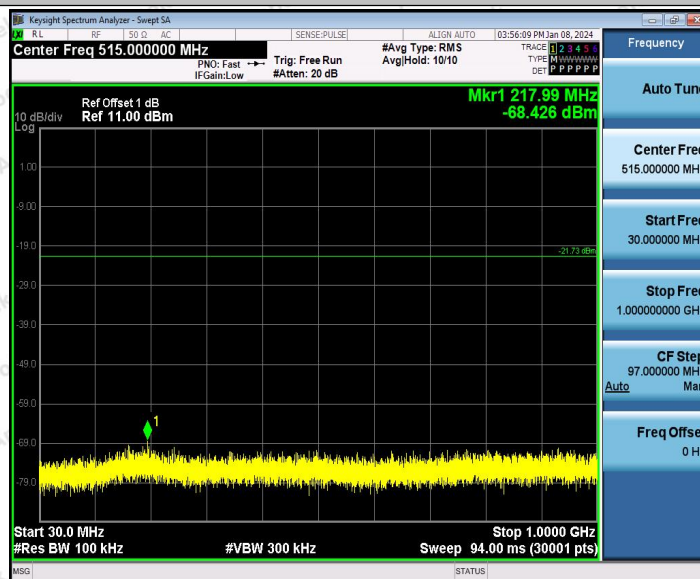


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

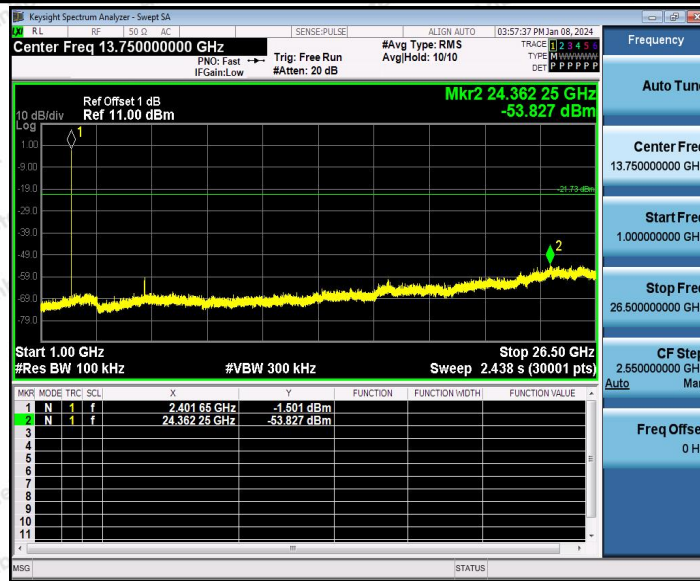
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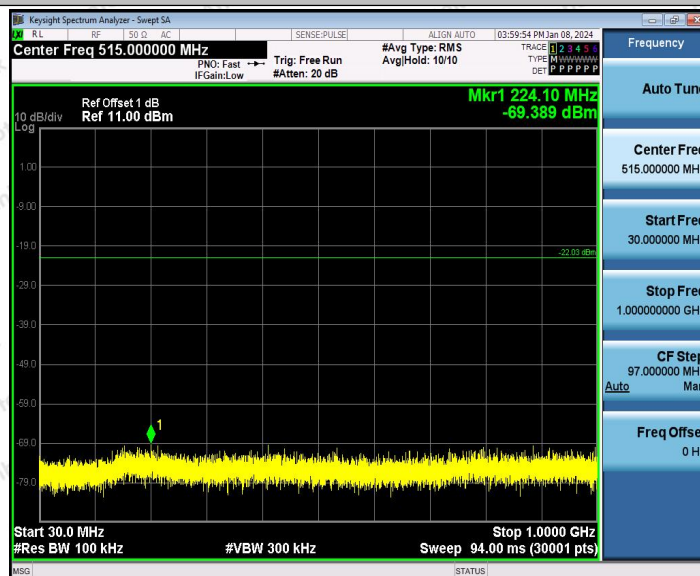




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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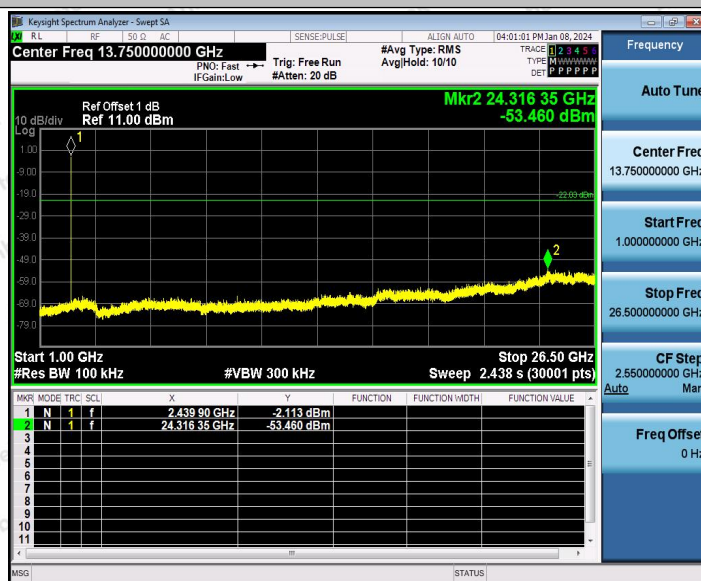
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

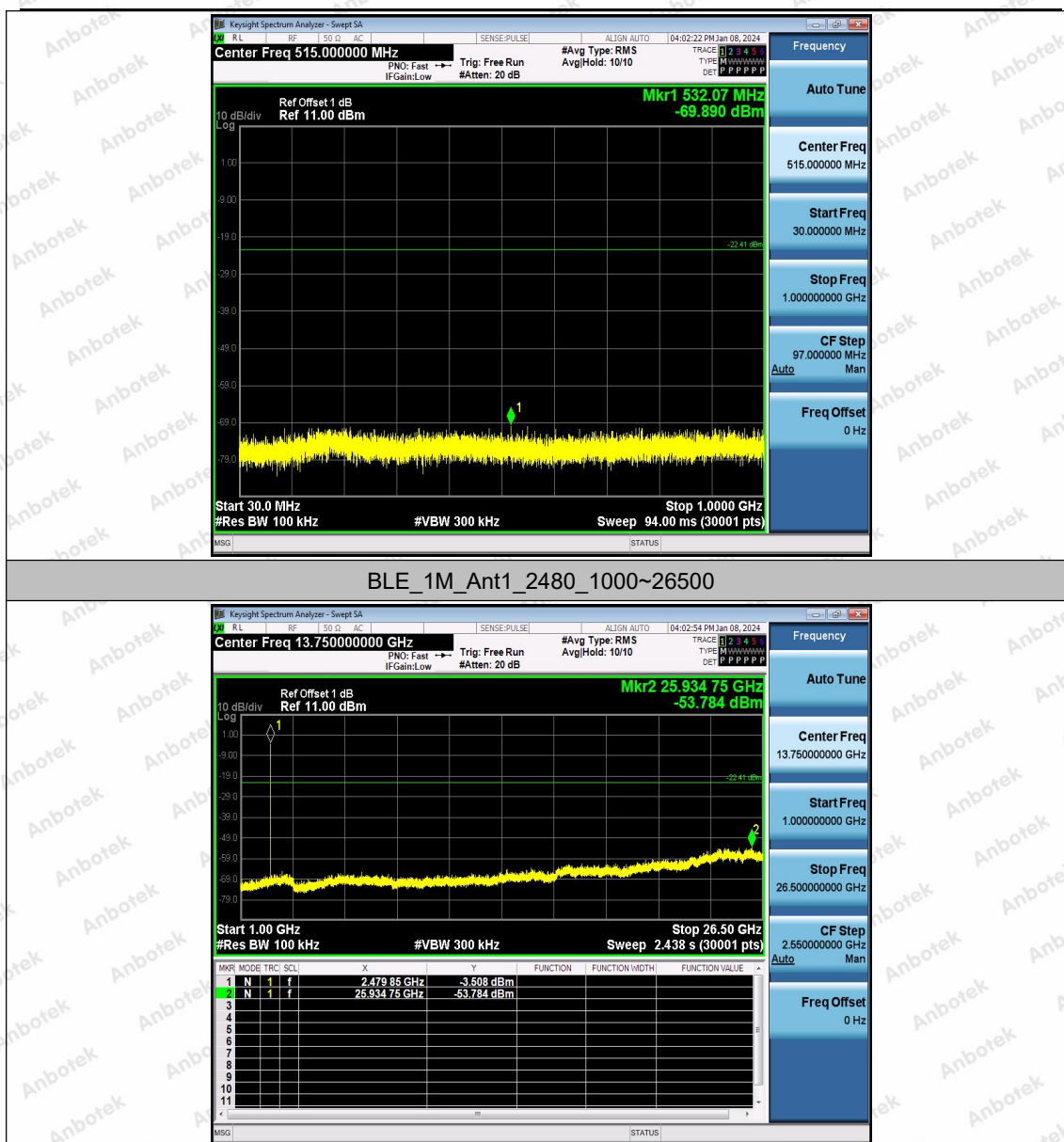
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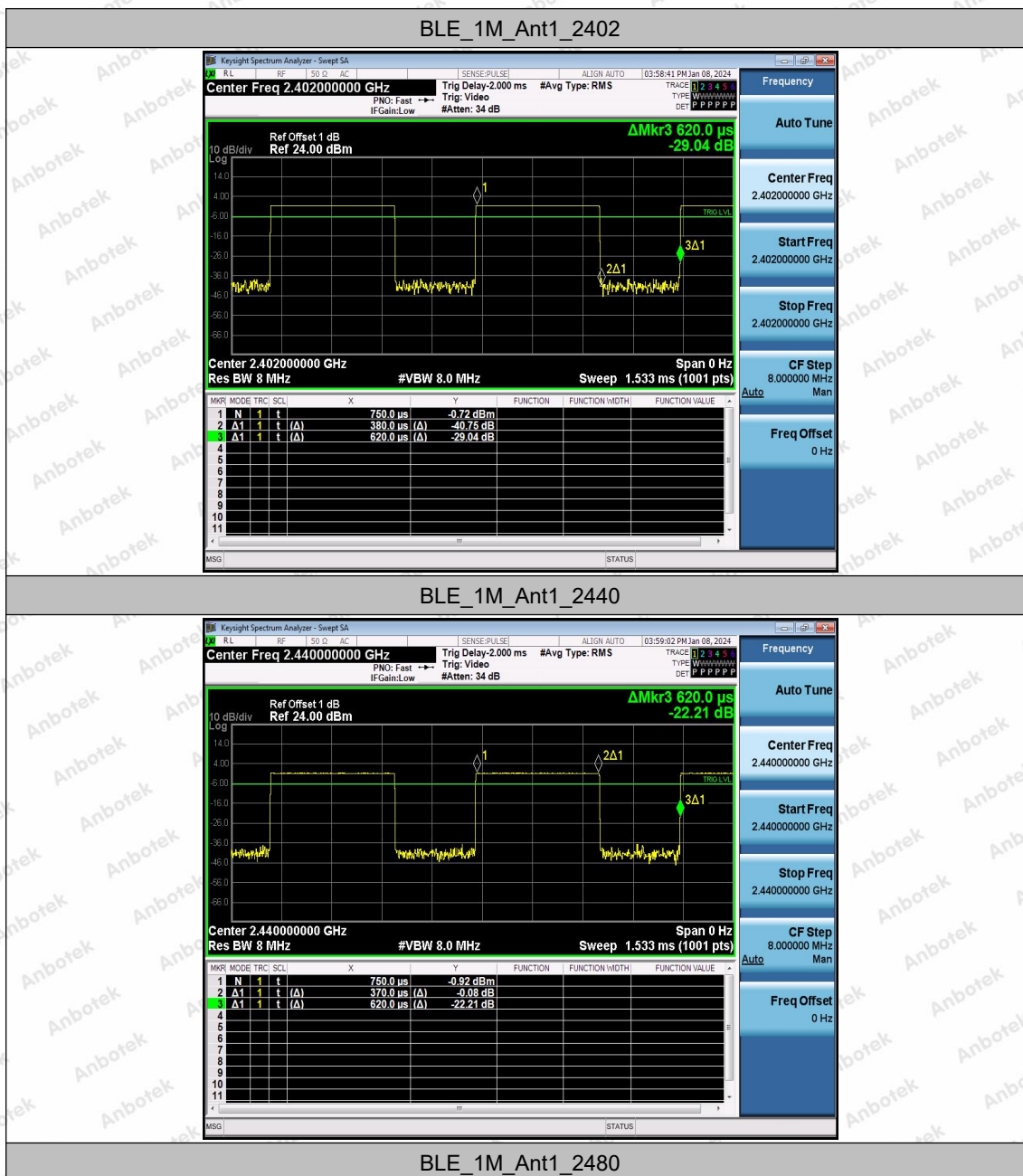
Appendix G: Duty Cycle

Test Result

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



Test Graphs



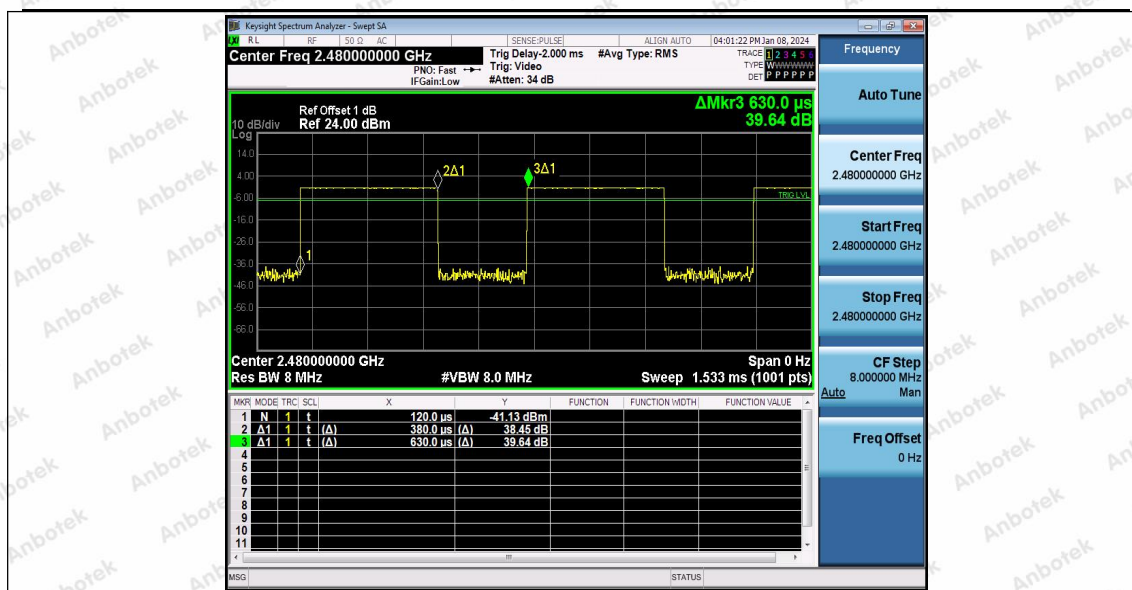
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