

Appendix Test Data

Report No.:	18220WC40006801	Test Sample No.:	1-2-2
Start Test Date:	2024.1.27	Finish Test Date:	2024.1.27
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.4°C	Relative Humidity:	46%
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	0.668	2401.668	2402.336	0.5	PASS
		2440	0.684	2439.652	2440.336	0.5	PASS
		2480	0.684	2479.660	2480.344	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	1.0258	2401.5007	2402.5265
		2440	1.0253	2439.4957	2440.5210
		2480	1.0333	2479.4943	2480.5276



Test Graphs



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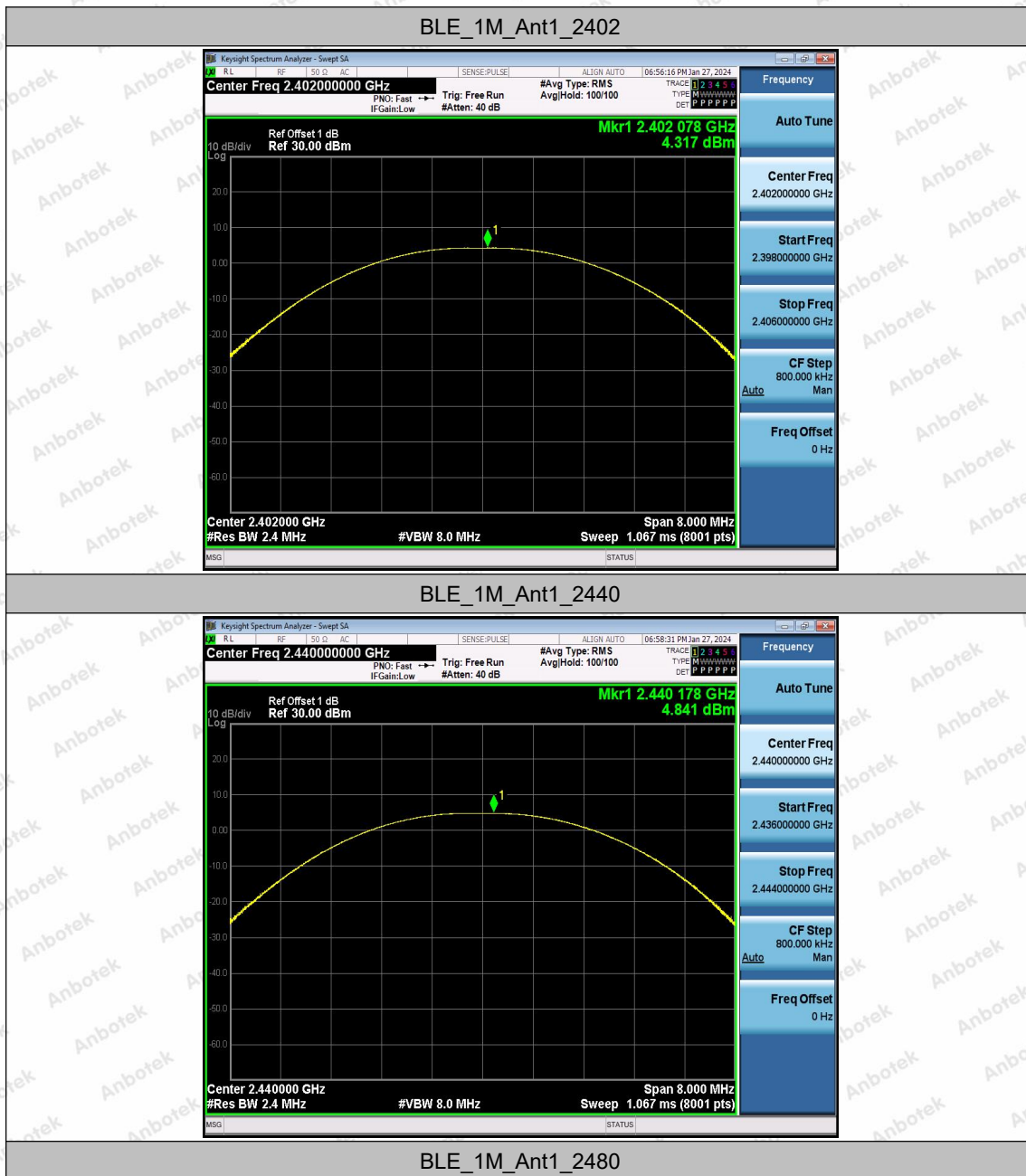
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.32	≤30	PASS
		2440	4.84	≤30	PASS
		2480	4.06	≤30	PASS



Test Graphs Peak



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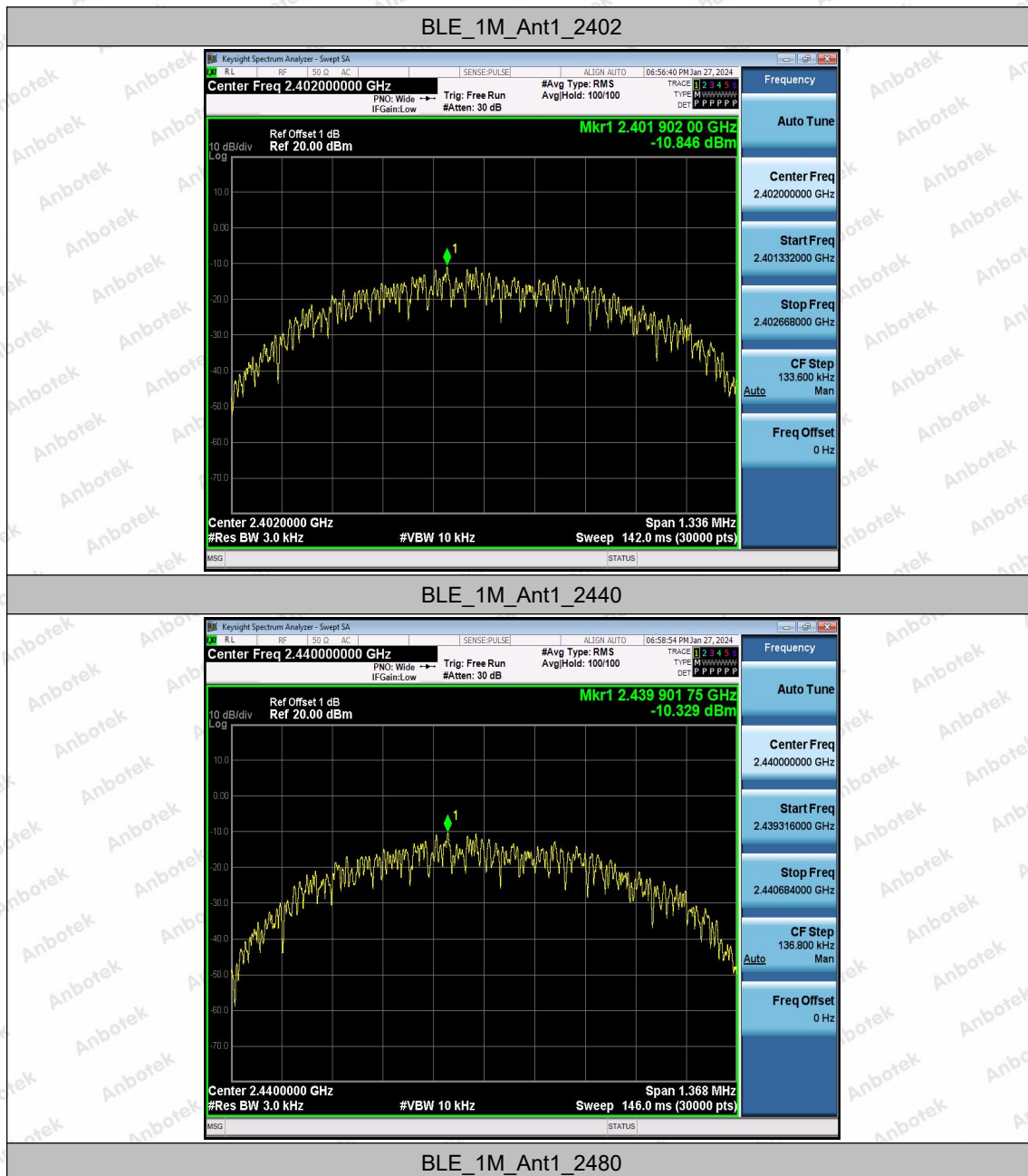
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.85	≤8.00	PASS
		2440	-10.33	≤8.00	PASS
		2480	-11.10	≤8.00	PASS



Test Graphs



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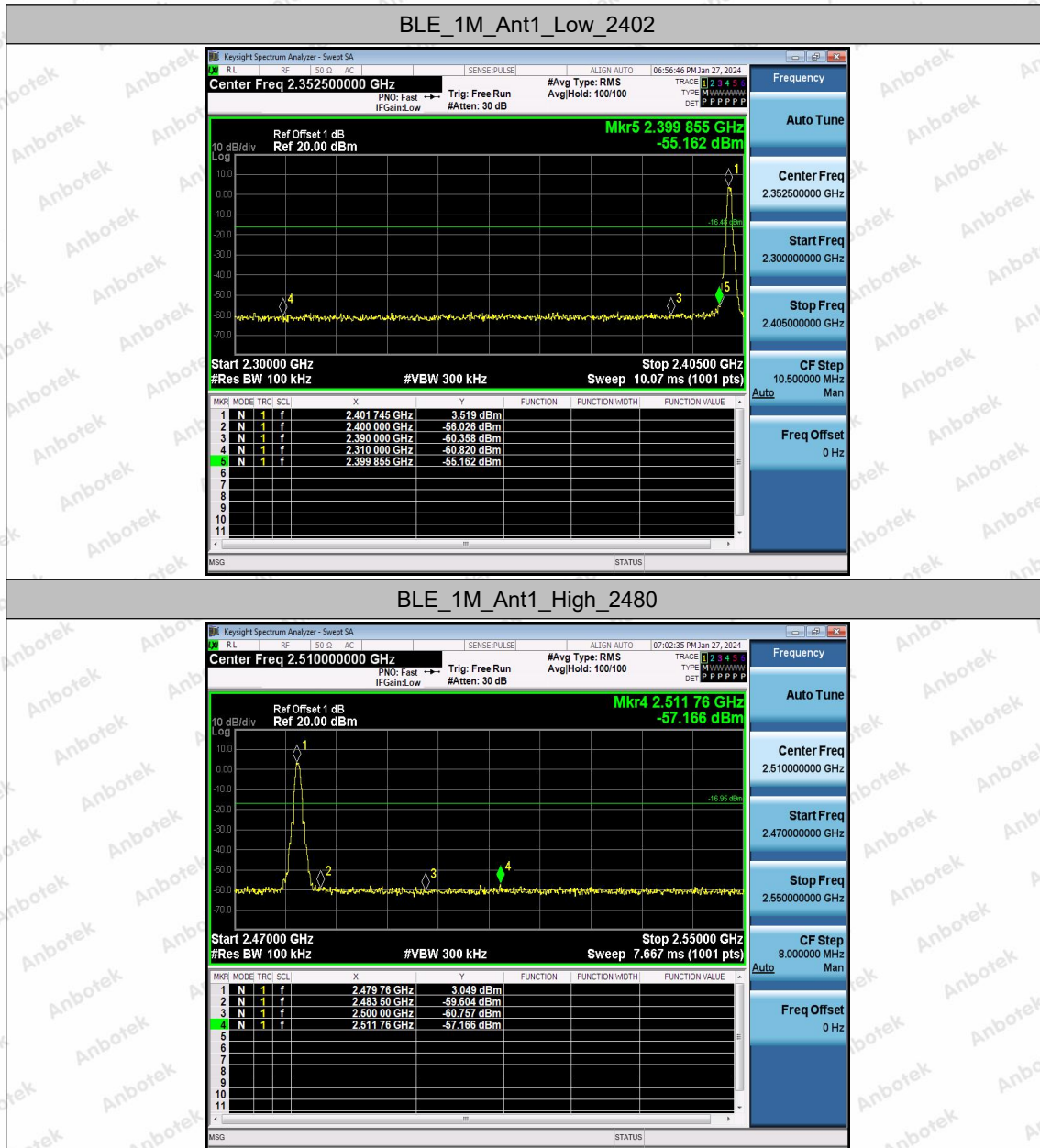
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.52	-55.16	≤-16.48	PASS
		High	2480	3.05	-57.17	≤-16.95	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	3.19	3.19	---	PASS
			30~1000	3.19	-68.09	≤-16.81	PASS
			1000~26500	3.19	-49.74	≤-16.81	PASS
		2440	Reference	3.38	3.38	---	PASS
			30~1000	3.38	-69.28	≤-16.62	PASS
			1000~26500	3.38	-53.28	≤-16.62	PASS
		2480	Reference	2.52	2.52	---	PASS
			30~1000	2.52	-69.03	≤-17.48	PASS
			1000~26500	2.52	-45.95	≤-17.48	PASS



Test Graphs



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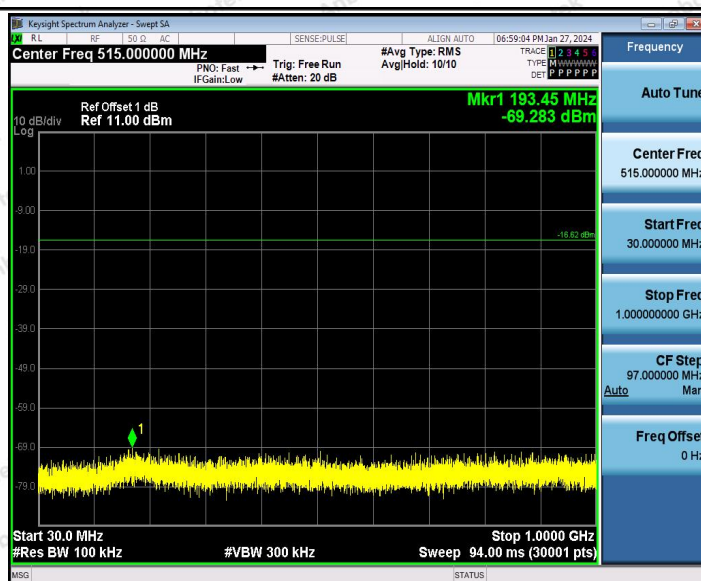


BLE_1M_Ant1_2440_0~Reference

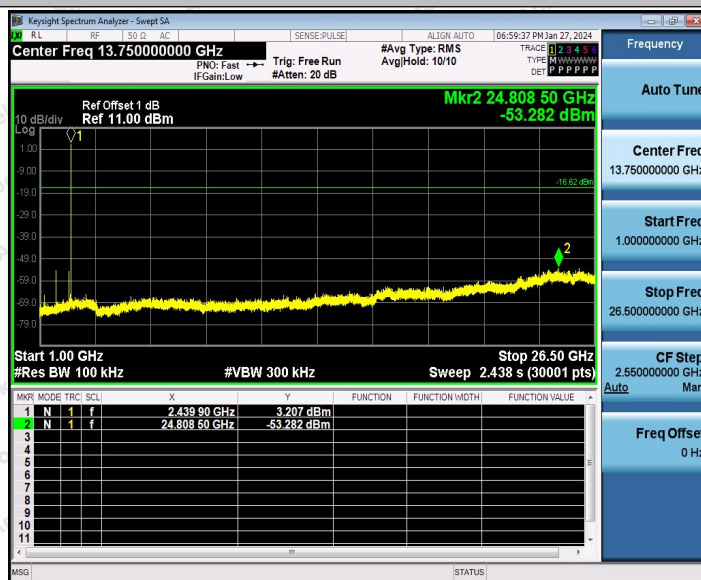


BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



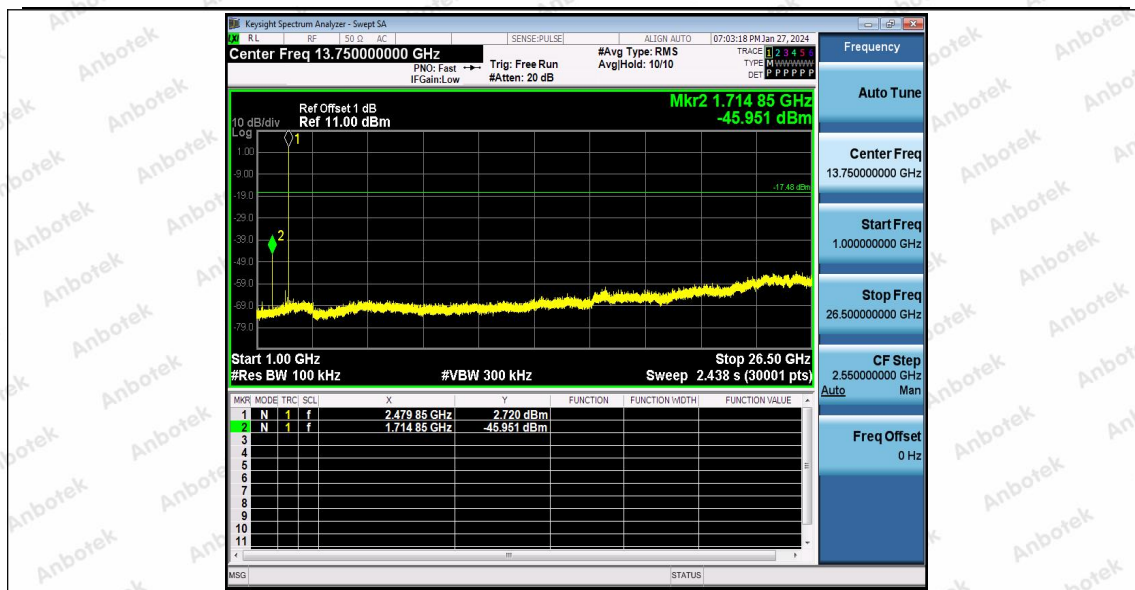
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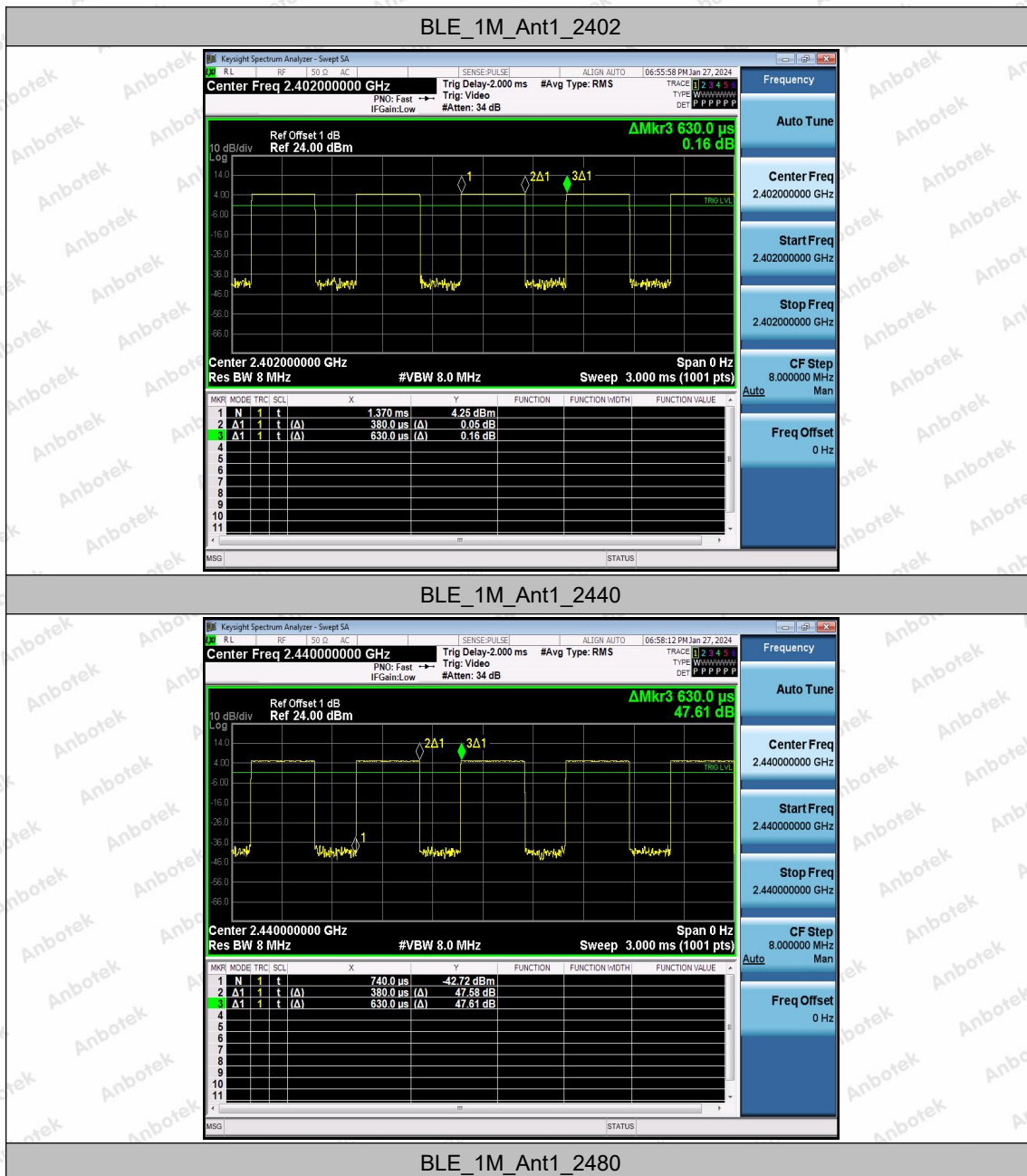
Appendix G: Duty Cycle

Test Result

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



Test Graphs



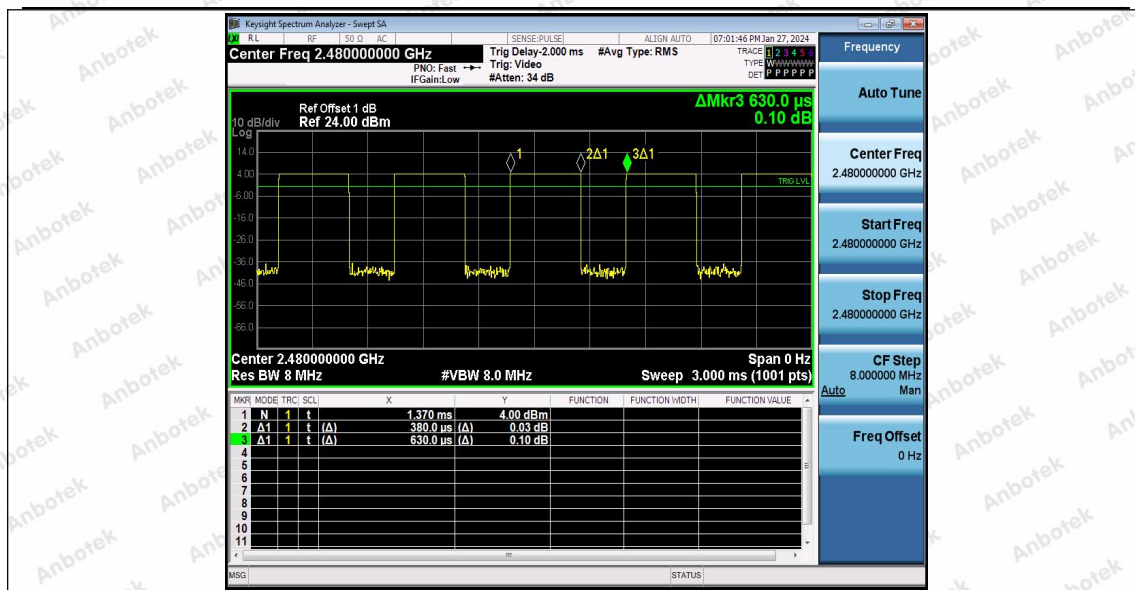
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