

Appendix Test Data

Report No.:	18220WC40055401	Test Sample No.:	1-2-2
Start Test Date:	2024.3.28	Finish Test Date:	2024.3.28
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.3℃	Relative Humidity:	48%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.920	2401.548	2402.468	0.5	PASS
		2440	0.916	2439.548	2440.464	0.5	PASS
		2480	0.916	2479.540	2480.456	0.5	PASS



Test Graphs



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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.2919	2401.2979	2402.5898	---	---
		2440	1.2662	2439.3178	2440.5840	---	---
		2480	1.2353	2479.3364	2480.5717	---	---



Test Graphs



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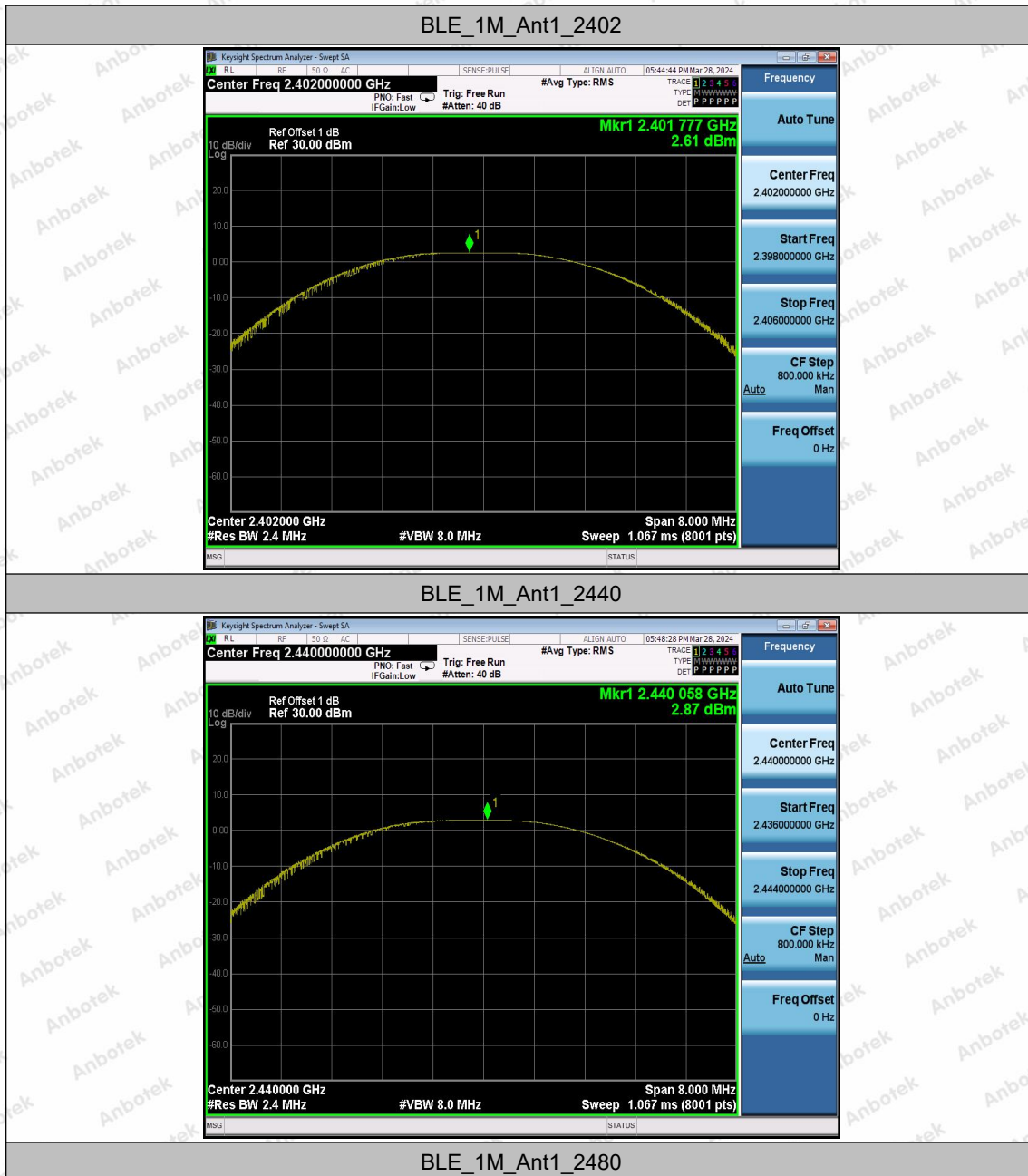
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.61	≤30	PASS
		2440	2.87	≤30	PASS
		2480	2.68	≤30	PASS



Test Graphs Peak



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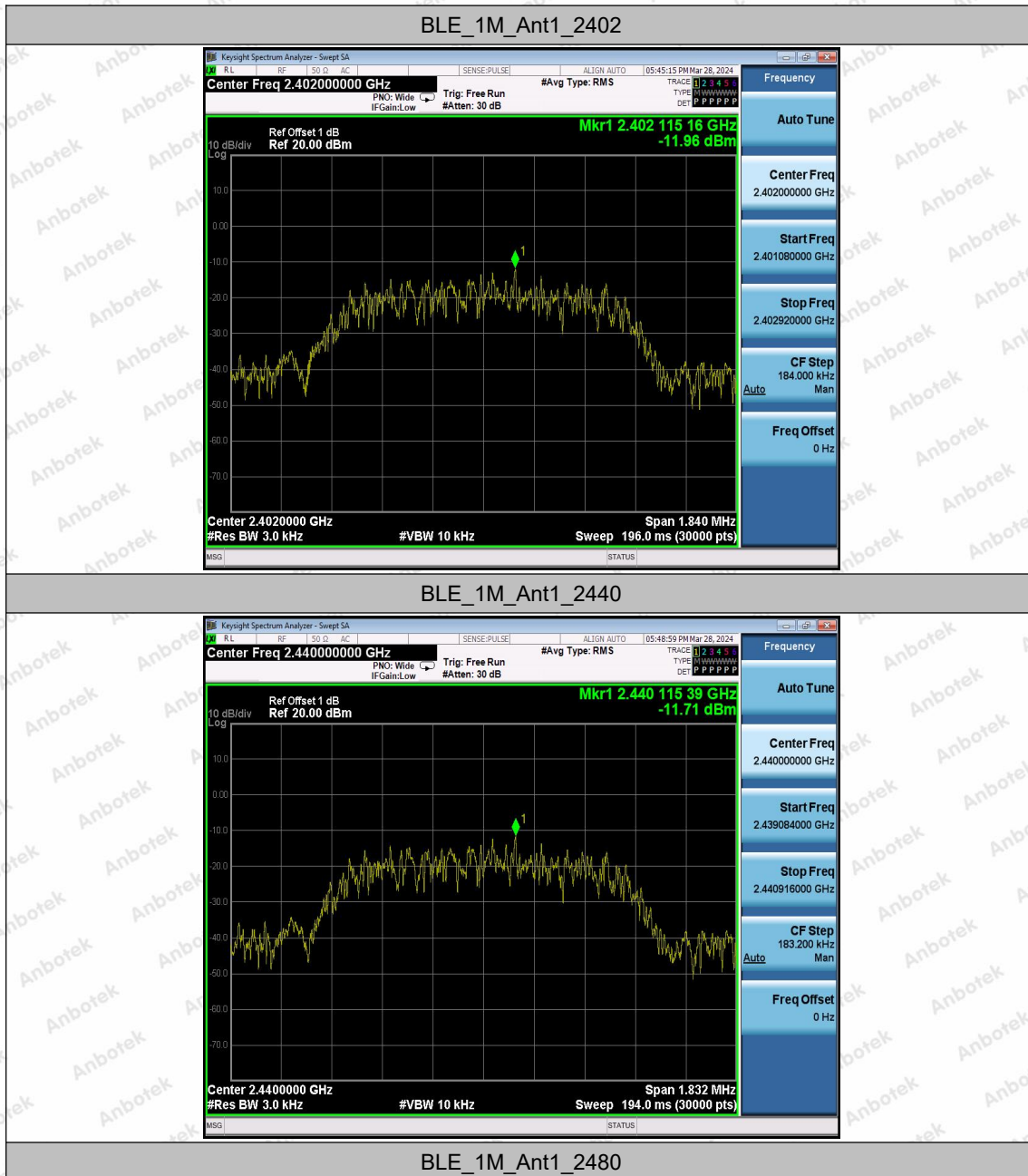
Appendix D: Maximum Power Spectral Density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.96	≤8.00	PASS
		2440	-11.71	≤8.00	PASS
		2480	-11.89	≤8.00	PASS



Test Graphs



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Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.24	-45.95	≤-18.76	PASS
		High	2480	1.25	-48.33	≤-18.75	PASS

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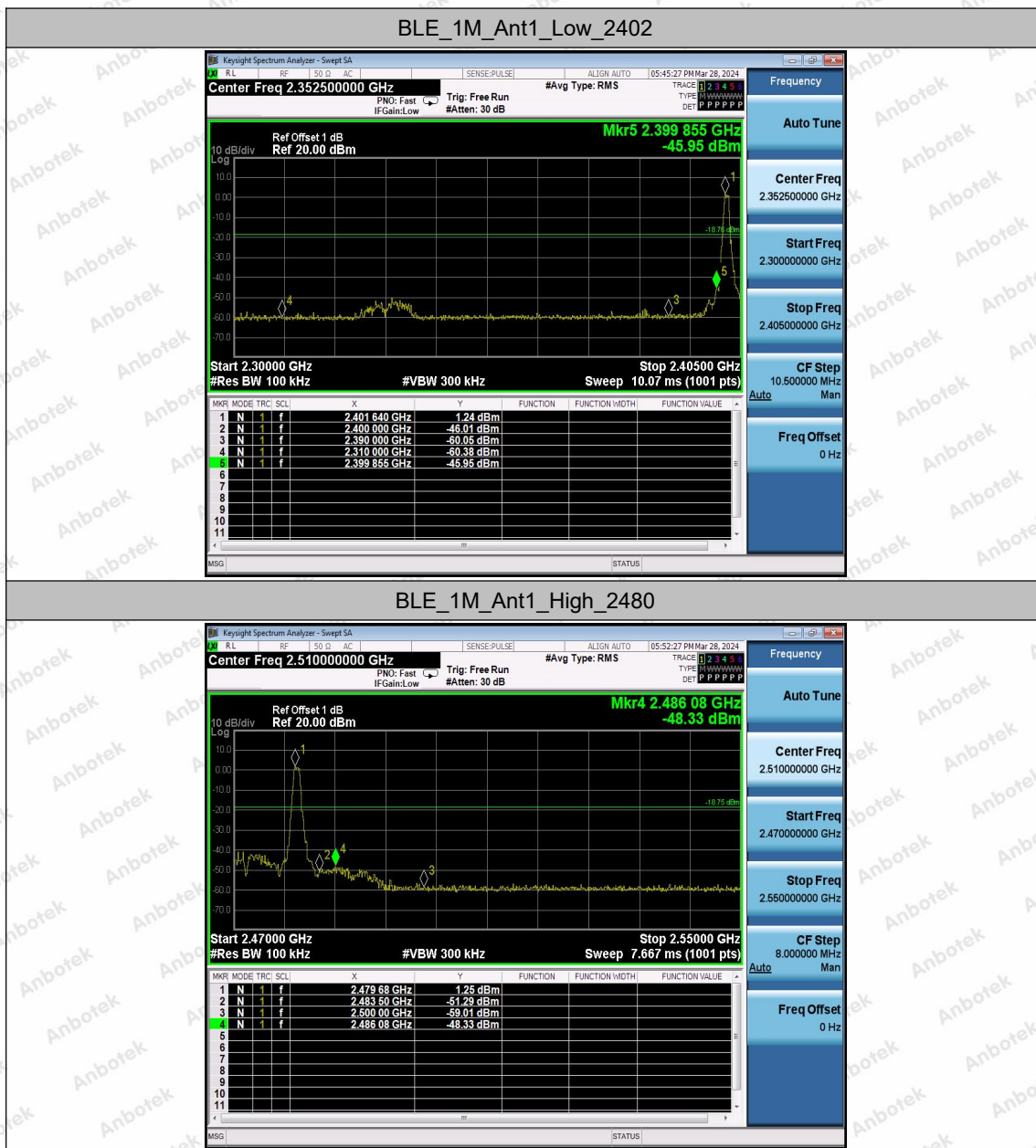
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Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.92	0.92	---	PASS
			30~1000	0.92	-64.75	≤-19.08	PASS
			1000~26500	0.92	-36.95	≤-19.08	PASS
		2440	Reference	1.19	1.19	---	PASS
			30~1000	1.19	-67.69	≤-18.81	PASS
			1000~26500	1.19	-36.76	≤-18.81	PASS
		2480	Reference	1.03	1.03	---	PASS
			30~1000	1.03	-67.57	≤-18.97	PASS
			1000~26500	1.03	-33.81	≤-18.97	PASS



Test Graphs



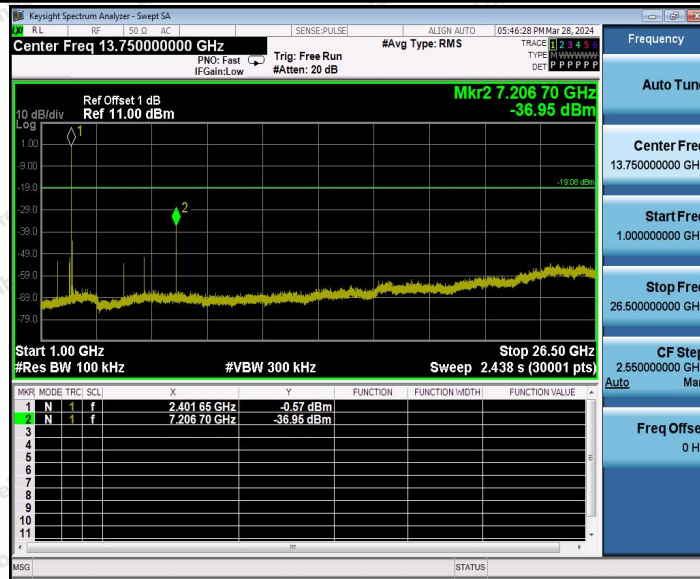
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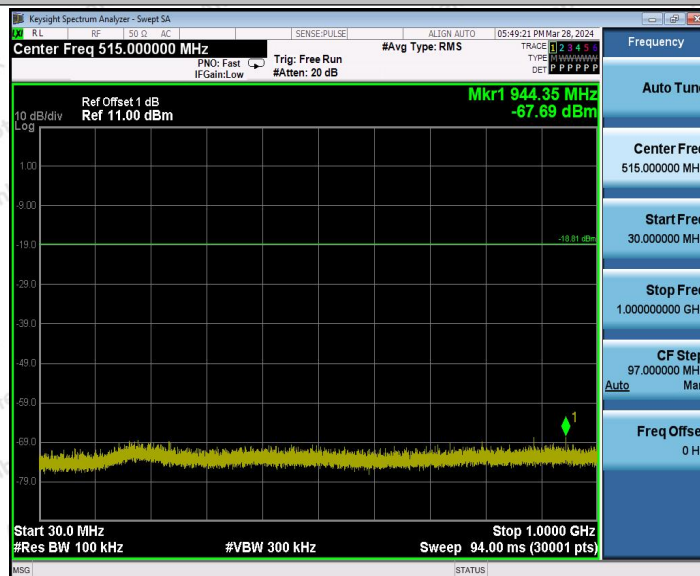




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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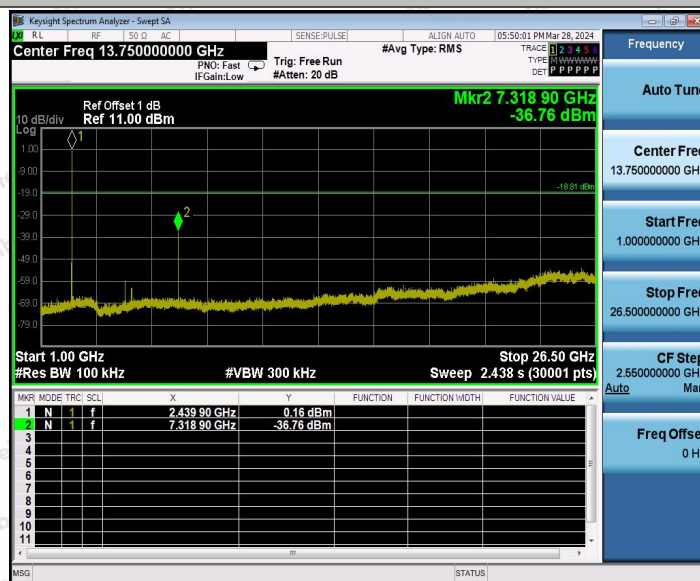
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

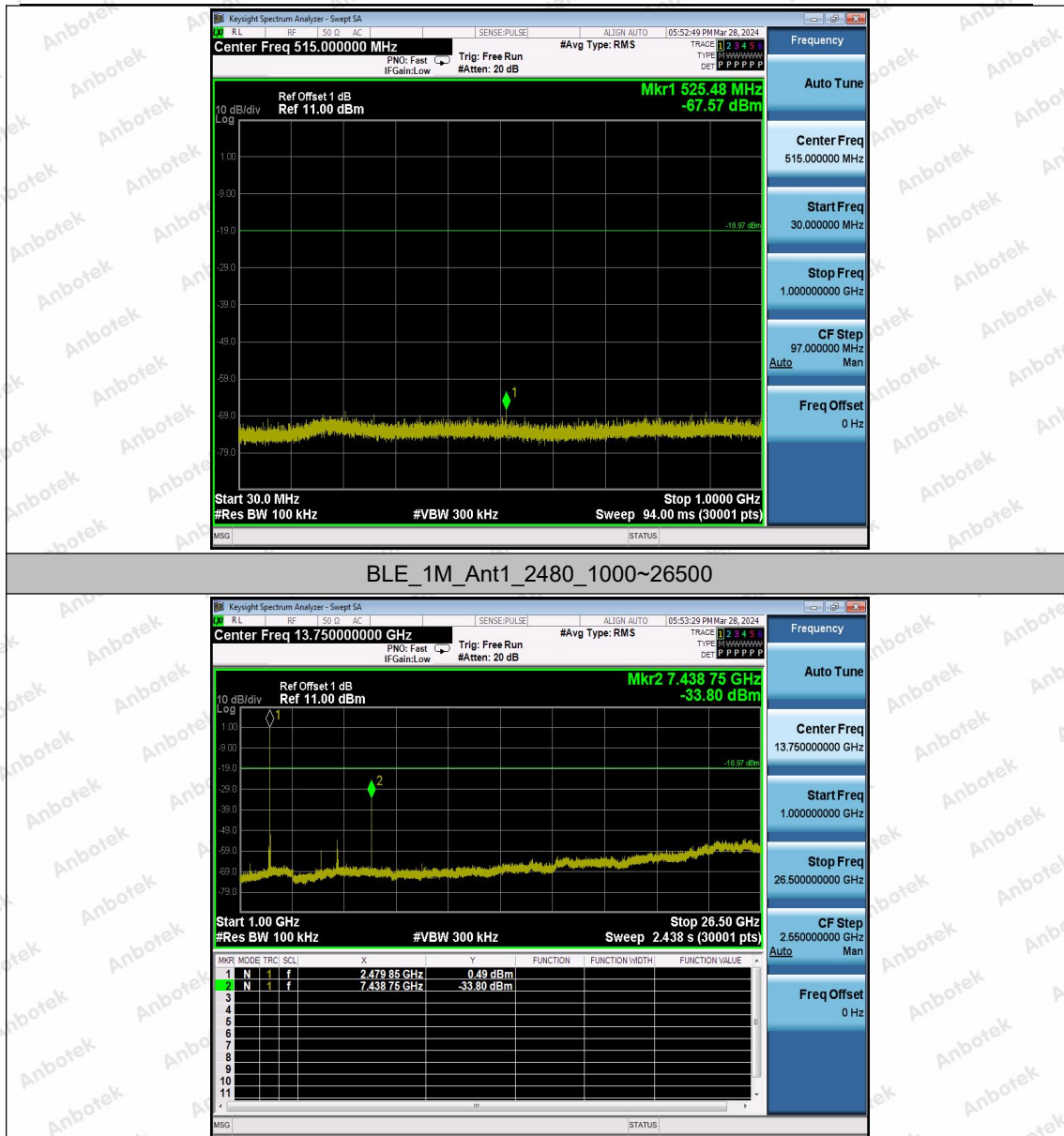
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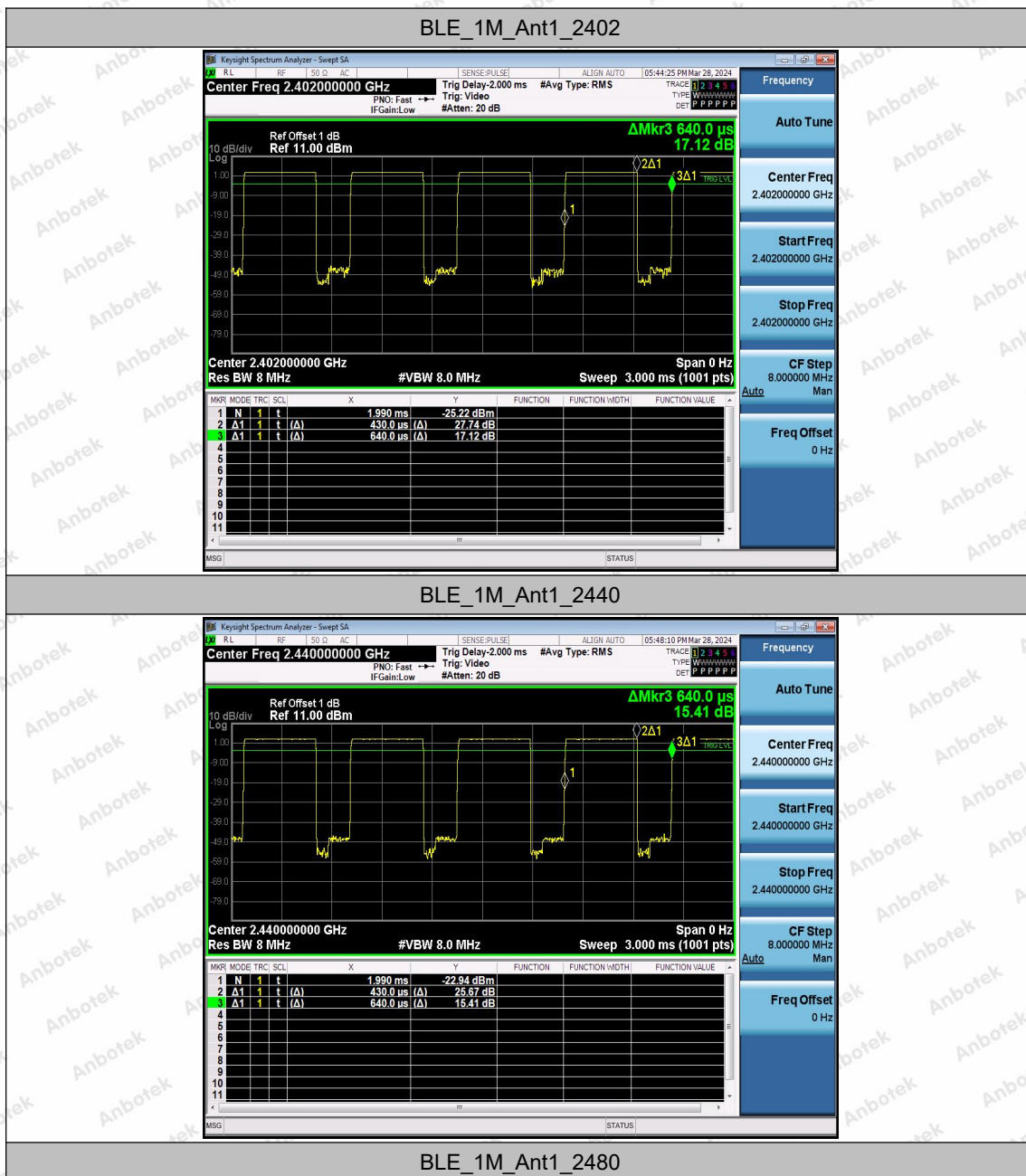
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.43	0.64	67.19	1.73
		2440	0.43	0.64	67.19	1.73
		2480	0.43	0.64	67.19	1.73



Test Graphs



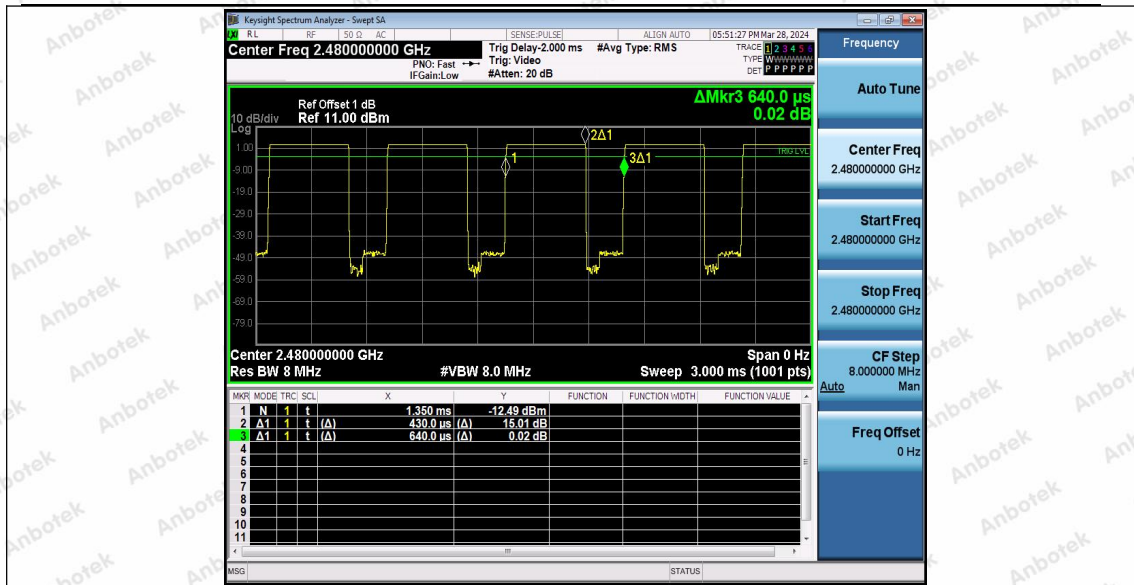
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