

Appendix Test Data

Report No.:	18220WC40052701	Test Sample No.:	1-2-2
Start Test Date:	2024.4.2	Finish Test Date:	2024.4.2
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	0.808	2401.668	2402.476	0.5	PASS
		2440	0.664	2439.672	2440.336	0.5	PASS
		2480	0.676	2479.668	2480.344	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	1.0369	2401.4987	2402.5332	---	---
		2440	1.1401	2439.4975	2440.6371	---	---
		2480	1.2498	2479.4938	2480.7433	---	---



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	2.80	≤30	PASS
		2440	2.29	≤30	PASS
		2480	1.93	≤30	PASS



Test Graphs Peak



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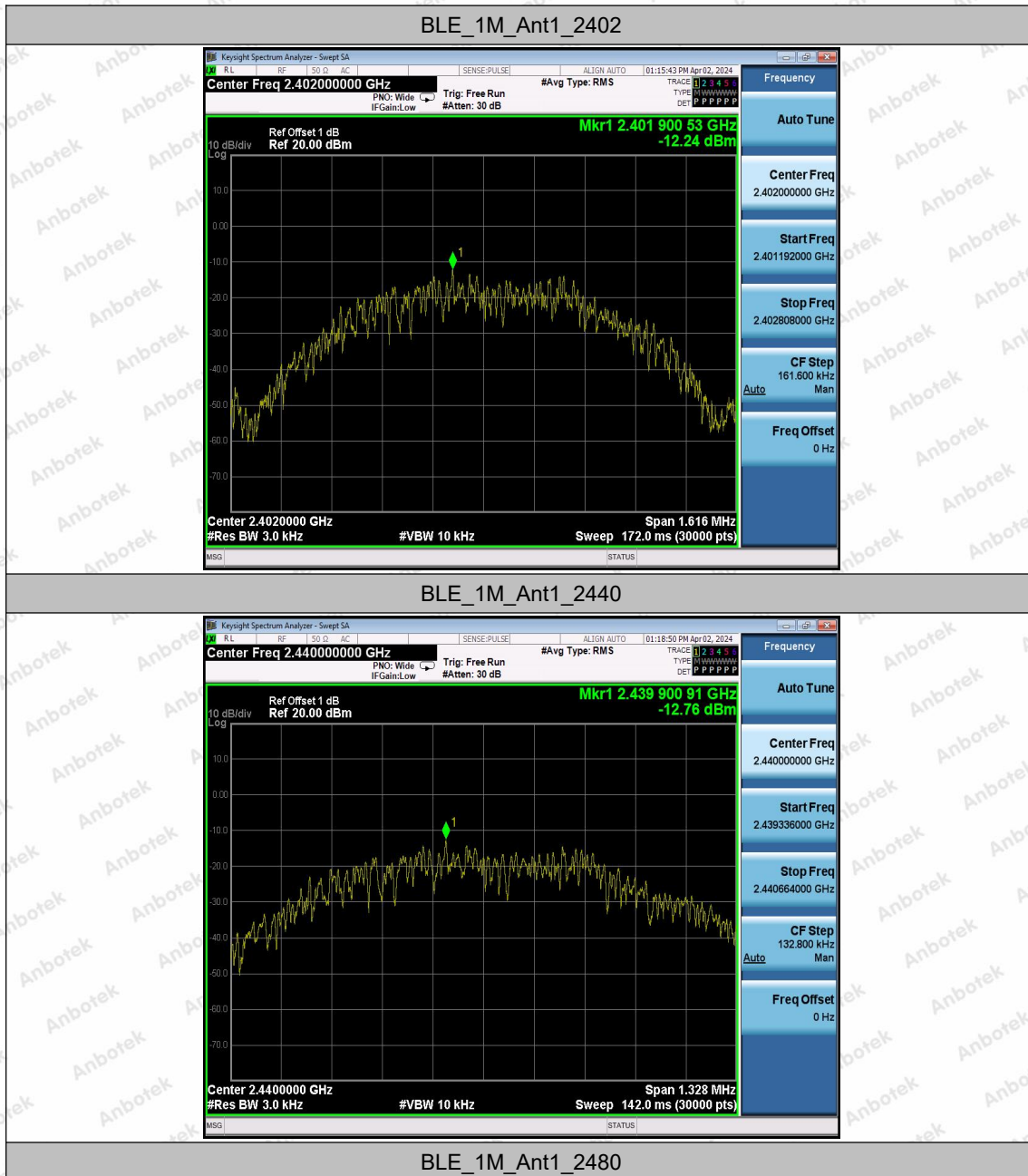
Appendix D: Maximum Power Spectral Density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.24	≤8.00	PASS
		2440	-12.76	≤8.00	PASS
		2480	-12.92	≤8.00	PASS



Test Graphs



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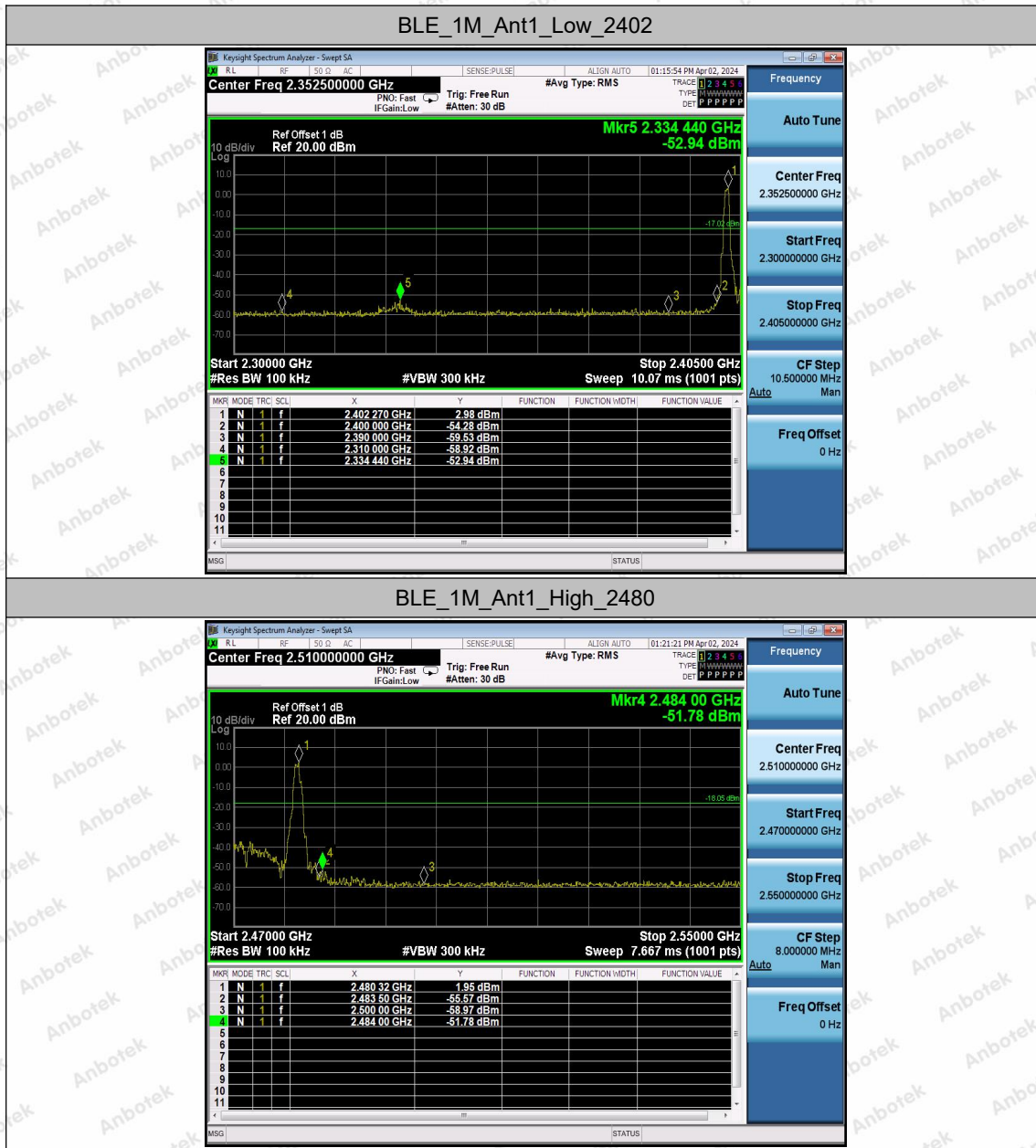
Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.98	-52.94	≤-17.02	PASS
		High	2480	1.95	-51.78	≤-18.05	PASS



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	2.74	2.74	---	PASS
			30~1000	2.74	-67.10	≤-17.26	PASS
			1000~26500	2.74	-45.97	≤-17.26	PASS
		2440	Reference	2.18	2.18	---	PASS
			30~1000	2.18	-67.37	≤-17.82	PASS
			1000~26500	2.18	-45.43	≤-17.82	PASS
		2480	Reference	1.85	1.85	---	PASS
			30~1000	1.85	-67.38	≤-18.15	PASS
			1000~26500	1.85	-46.50	≤-18.15	PASS



Test Graphs



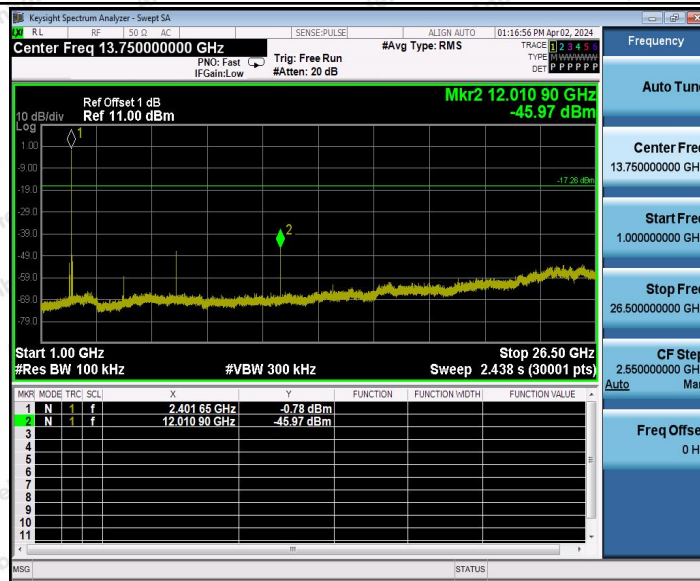
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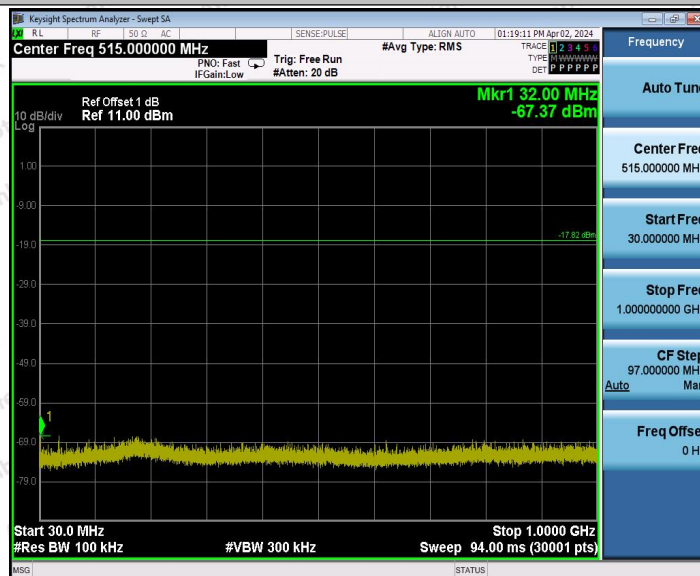




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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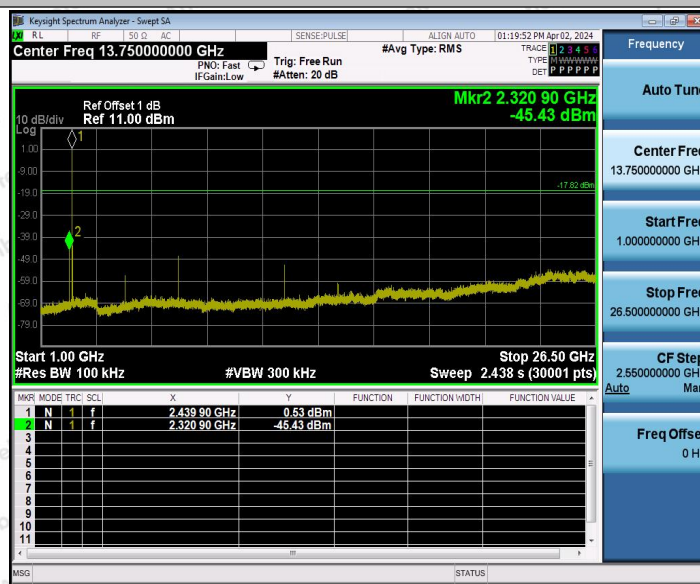
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

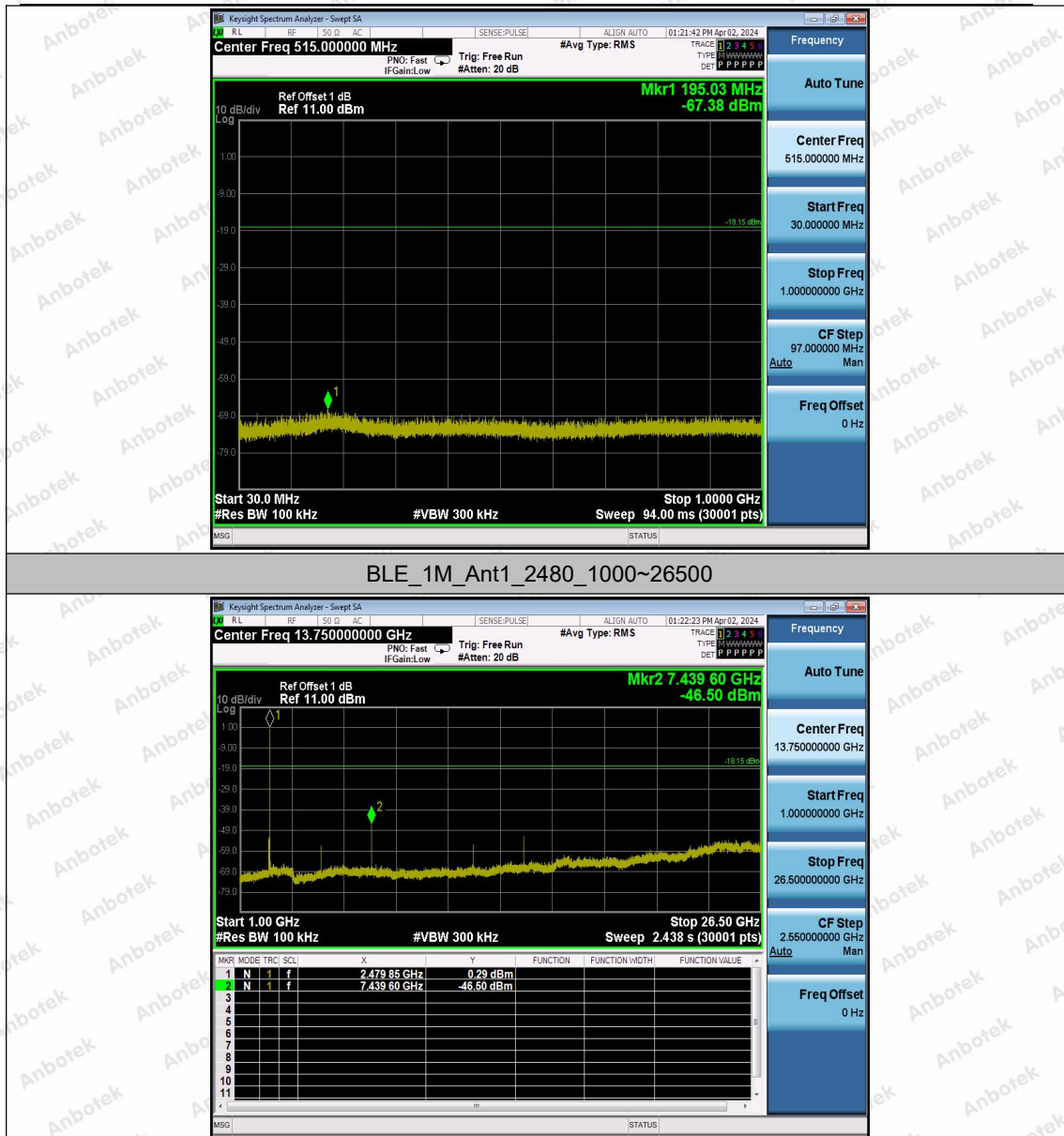
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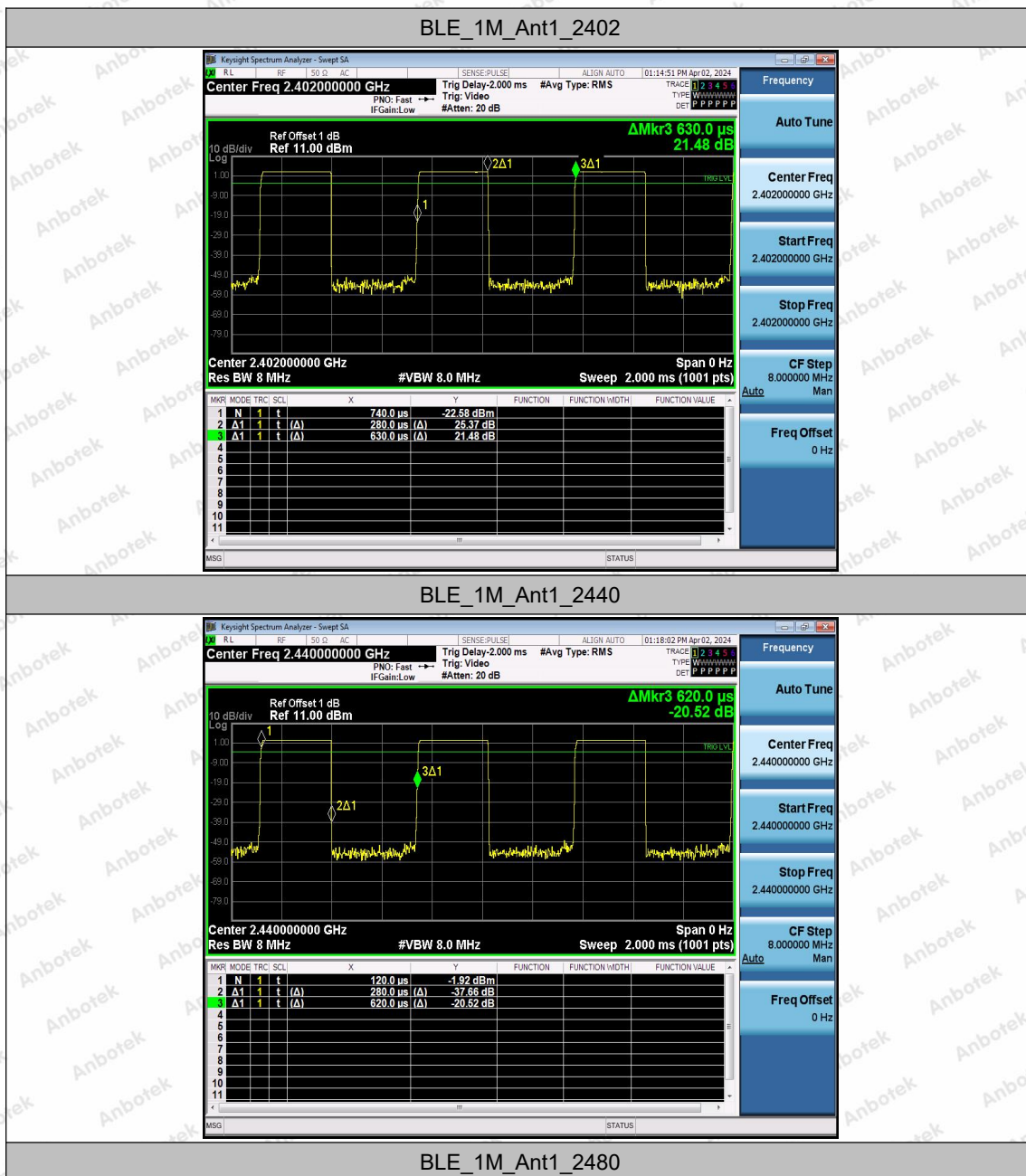
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.28	0.63	44.44	3.52
		2440	0.28	0.62	45.16	3.45
		2480	0.28	0.62	45.16	3.45



Test Graphs



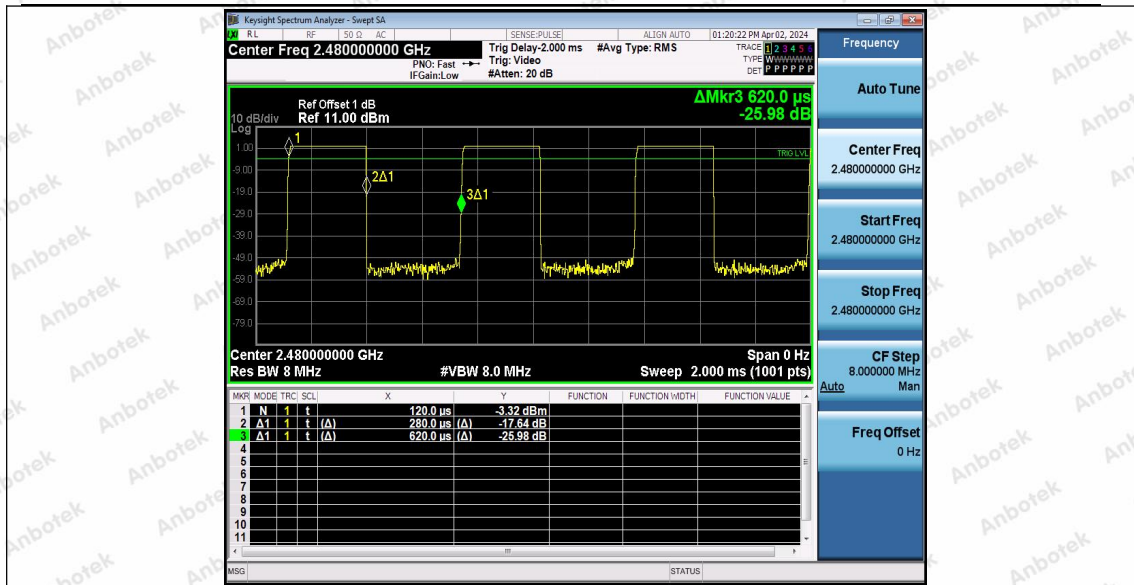
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