

Appendix Test Data

Report No.:	18220WC30258901	Test Sample No.:	1-2-2
Start Test Date:	2023.12.11	Finish Test Date:	2023.12.13
Test Engineer:	Hayman Chen	Auditor:	RICK Luo
Temperature:	25.3°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	1.148	2401.444	2402.592	0.5	PASS
		2440	1.136	2439.448	2440.584	0.5	PASS
		2480	1.144	2479.444	2480.588	0.5	PASS

Test Graphs



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BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



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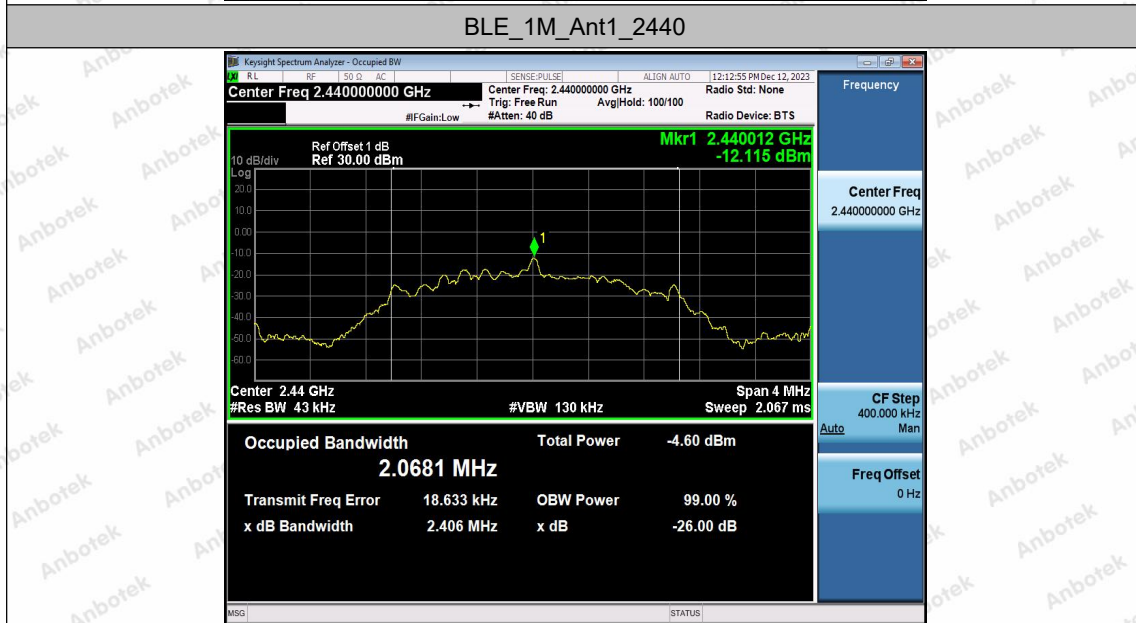


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	2.0554	2400.9778	2403.0332
		2440	2.0681	2438.9846	2441.0527
		2480	2.0760	2478.9814	2481.0574

Test Graphs



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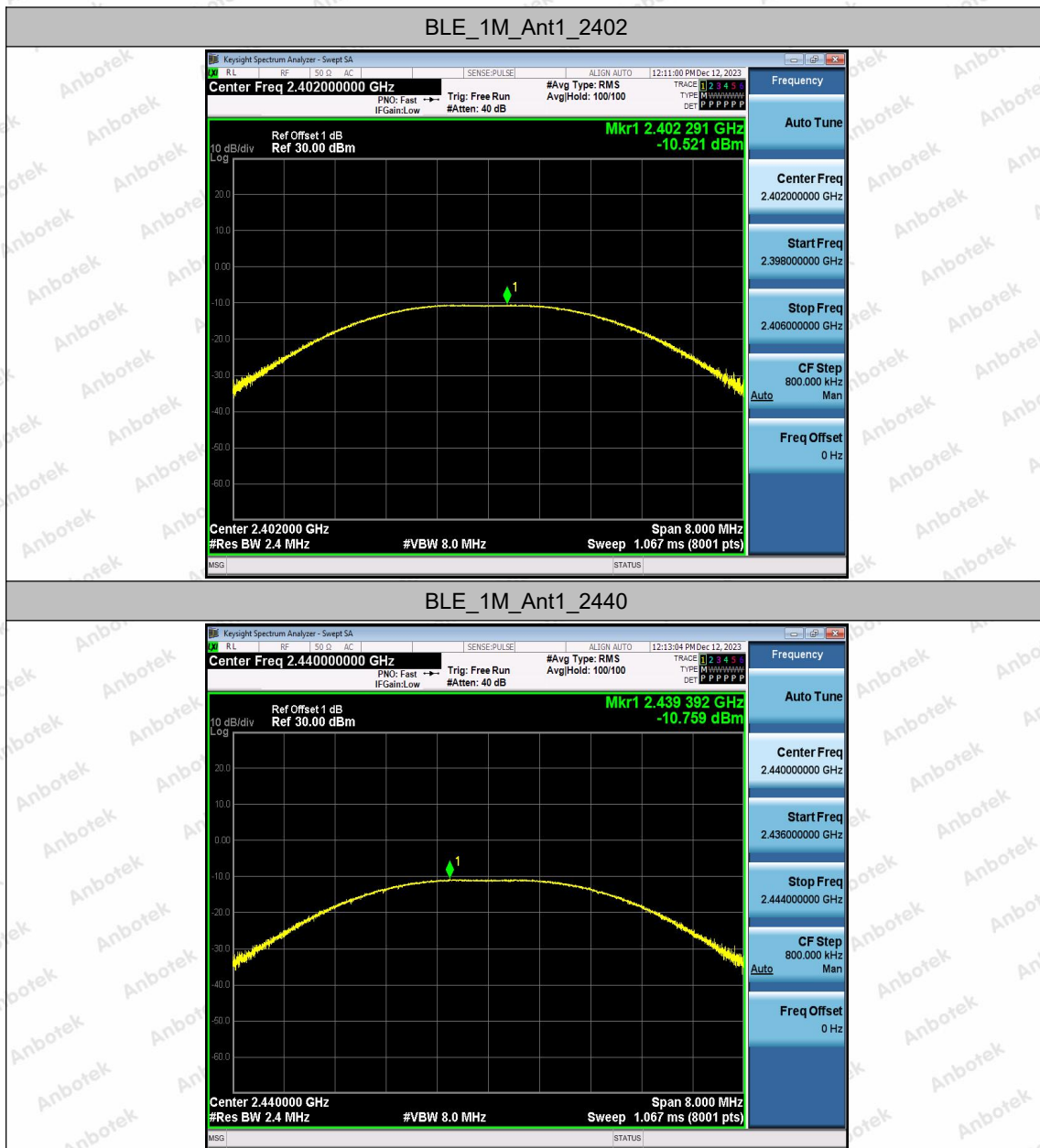


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-10.52	≤30	PASS
		2440	-10.76	≤30	PASS
		2480	-11.09	≤30	PASS

Test Graphs Peak



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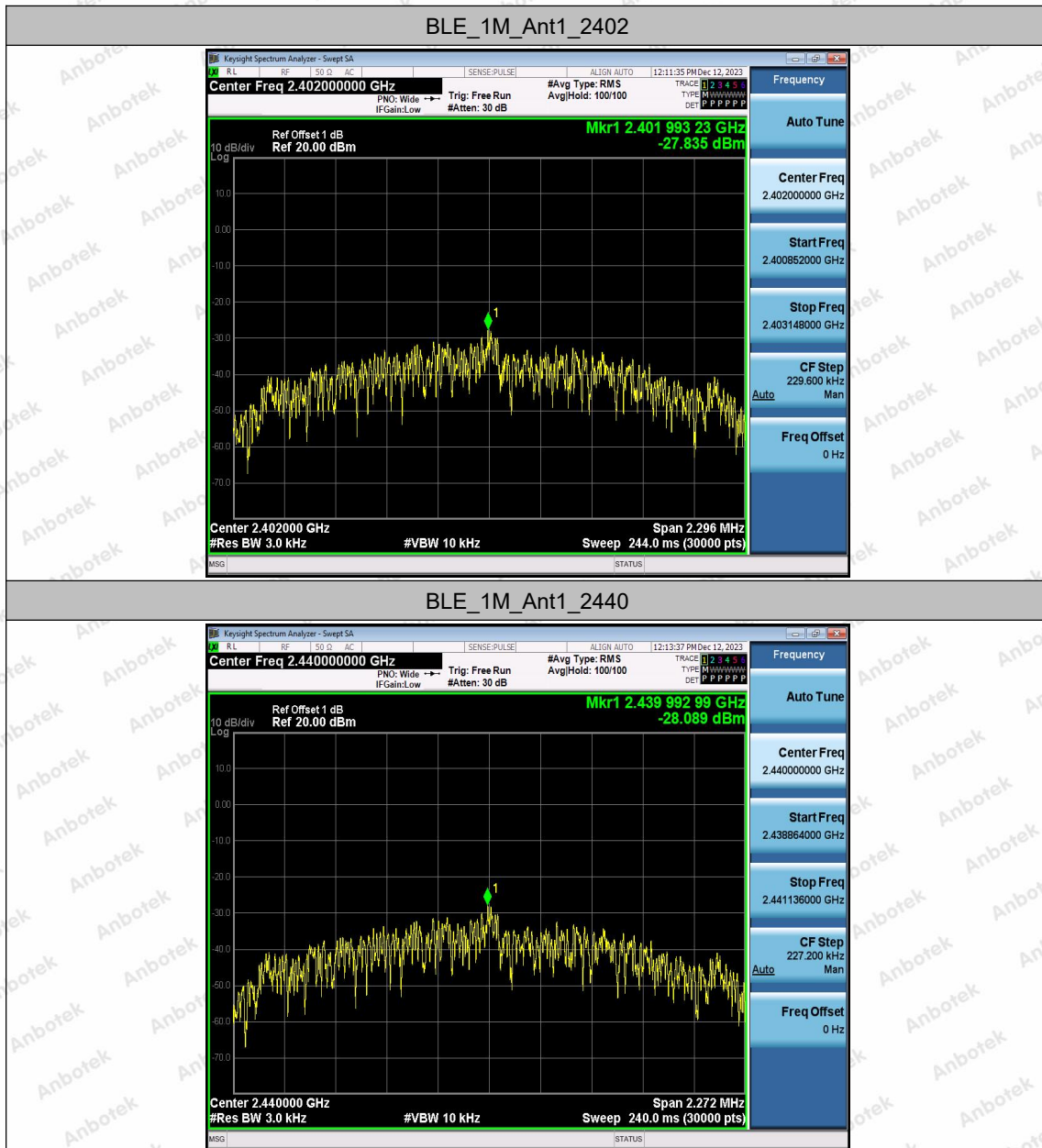


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-27.84	≤8.00	PASS
		2440	-28.09	≤8.00	PASS
		2480	-28.48	≤8.00	PASS

Test Graphs

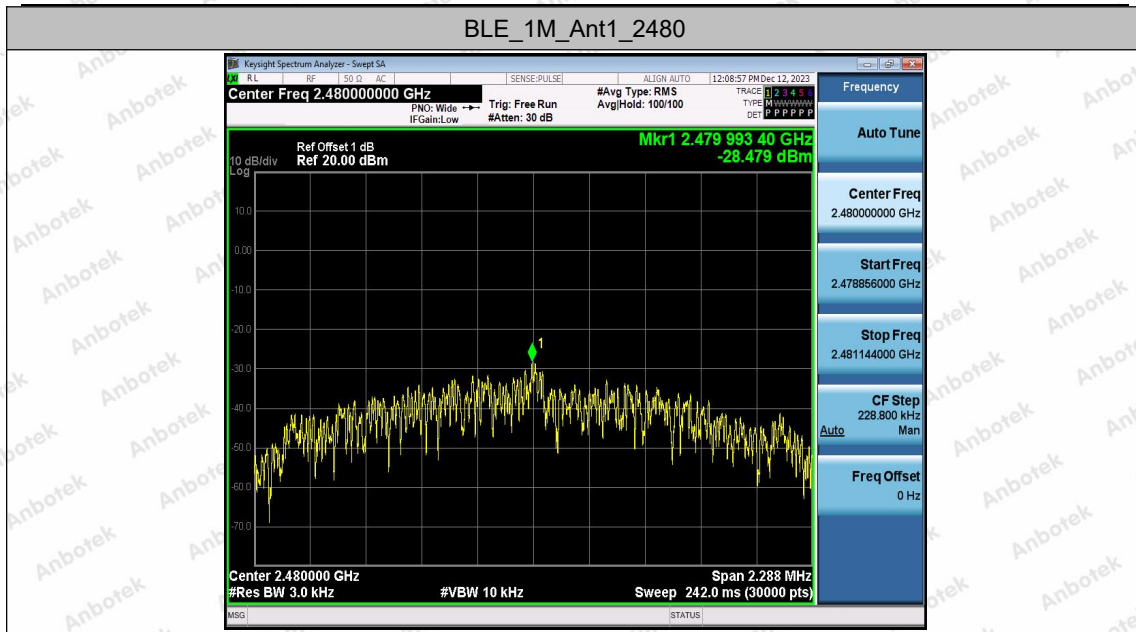


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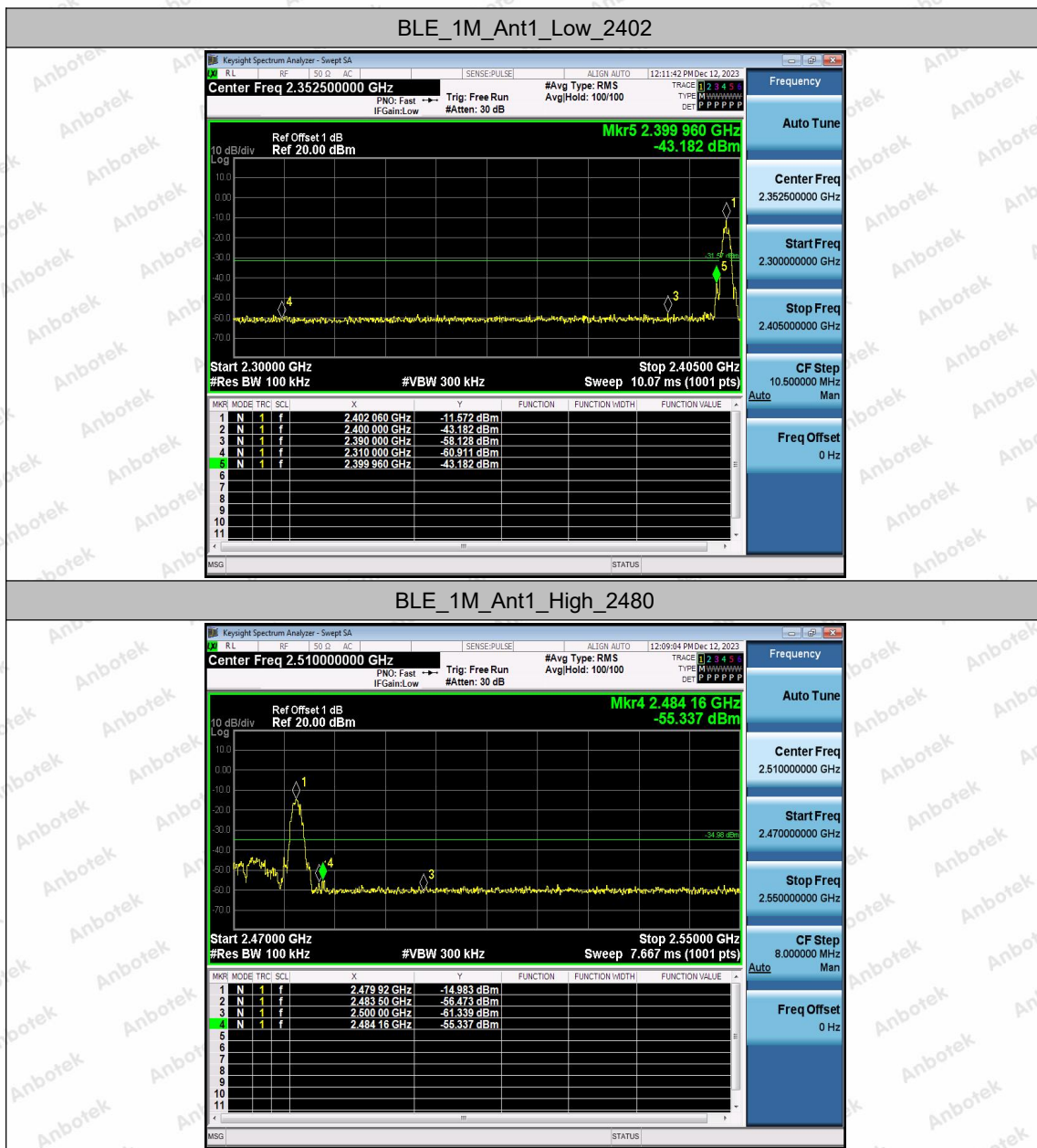


Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	-11.57	-43.18	≤-31.57	PASS
		High	2480	-14.98	-55.34	≤-34.98	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	-11.47	-11.47	---	PASS
			30~1000	-11.47	-65.93	≤-31.47	PASS
			1000~26500	-11.47	-40.96	≤-31.47	PASS
		2440	Reference	-11.75	-11.75	---	PASS
			30~1000	-11.75	-68.74	≤-31.75	PASS
			1000~26500	-11.75	-40.5	≤-31.75	PASS
		2480	Reference	-12.23	-12.23	---	PASS
			30~1000	-12.23	-67.66	≤-32.23	PASS
			1000~26500	-12.23	-35.72	≤-32.23	PASS

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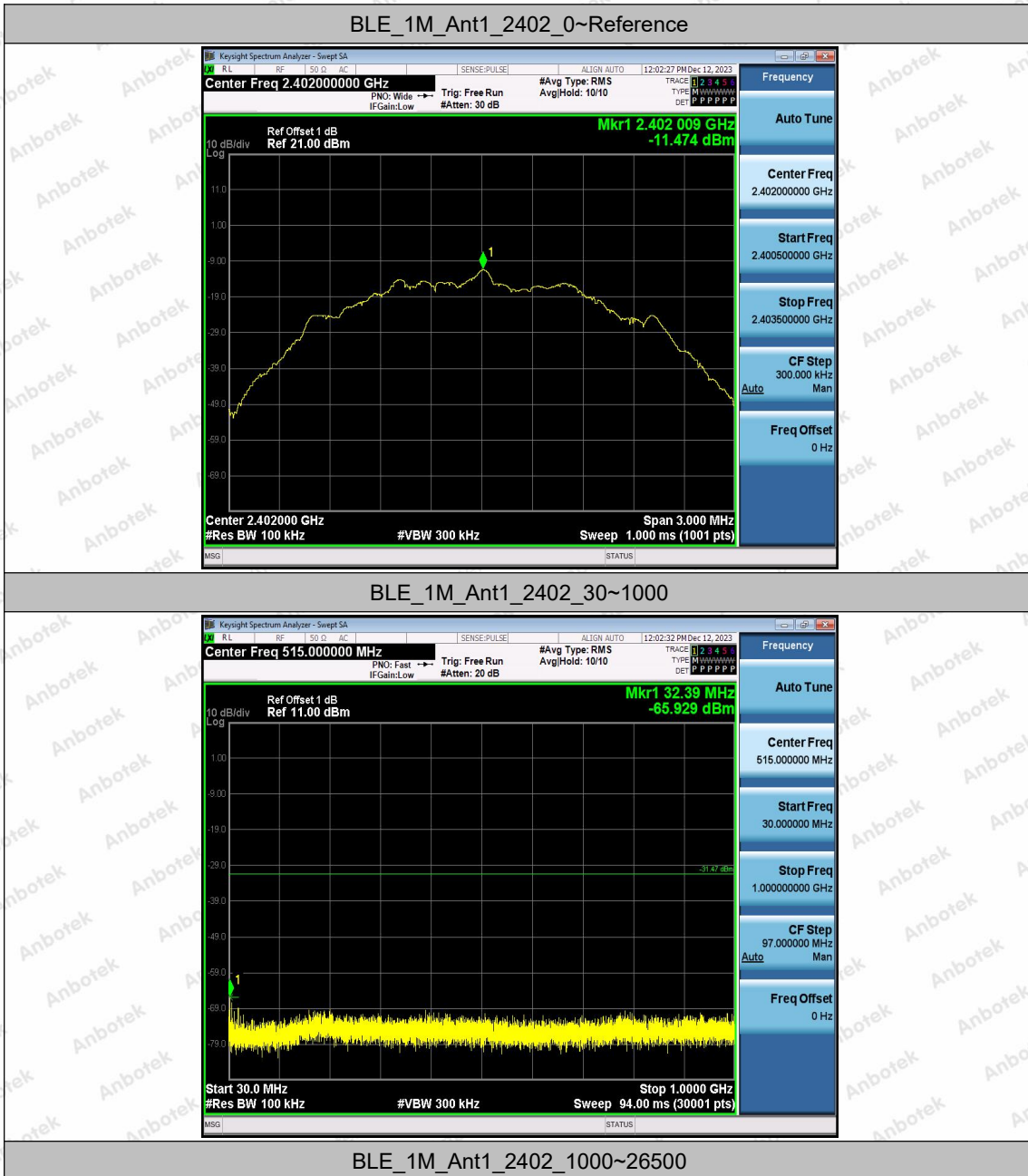
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Test Graphs

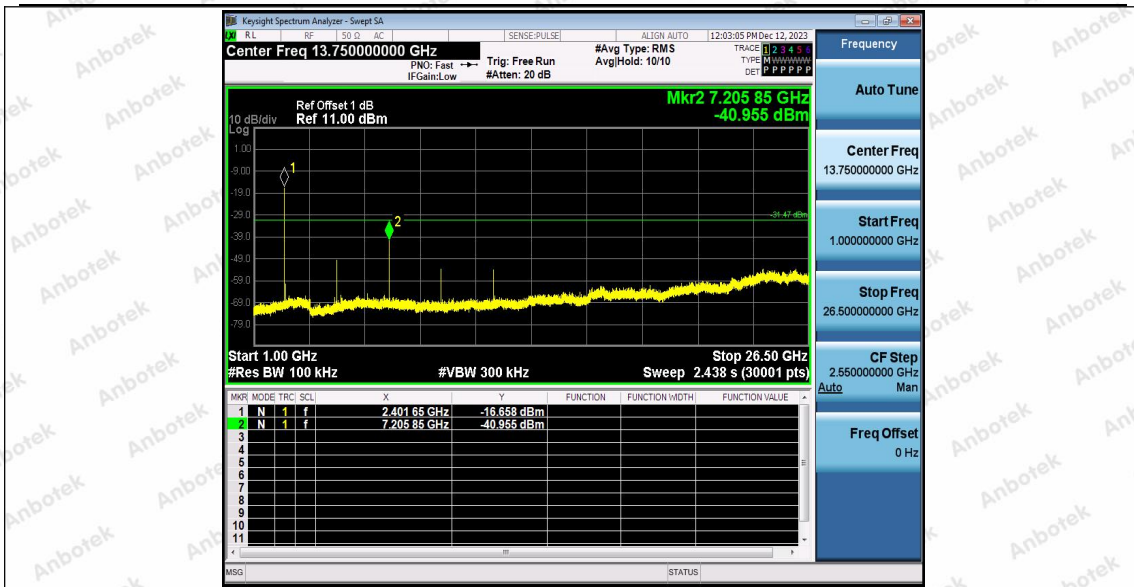


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BLE_1M_Ant1_2440_0~Reference



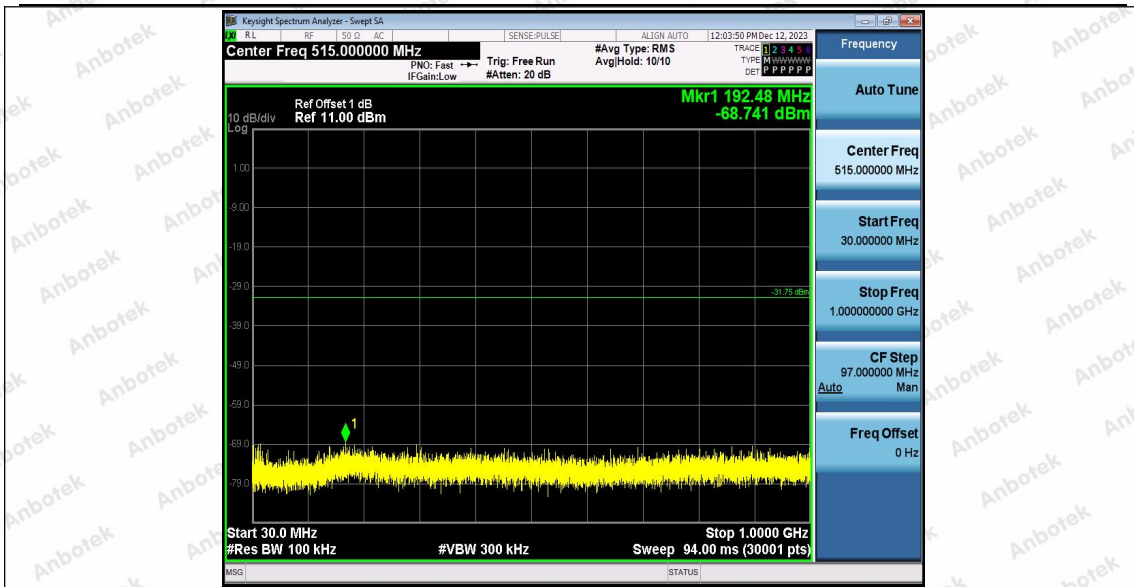
BLE_1M_Ant1_2440_30~100

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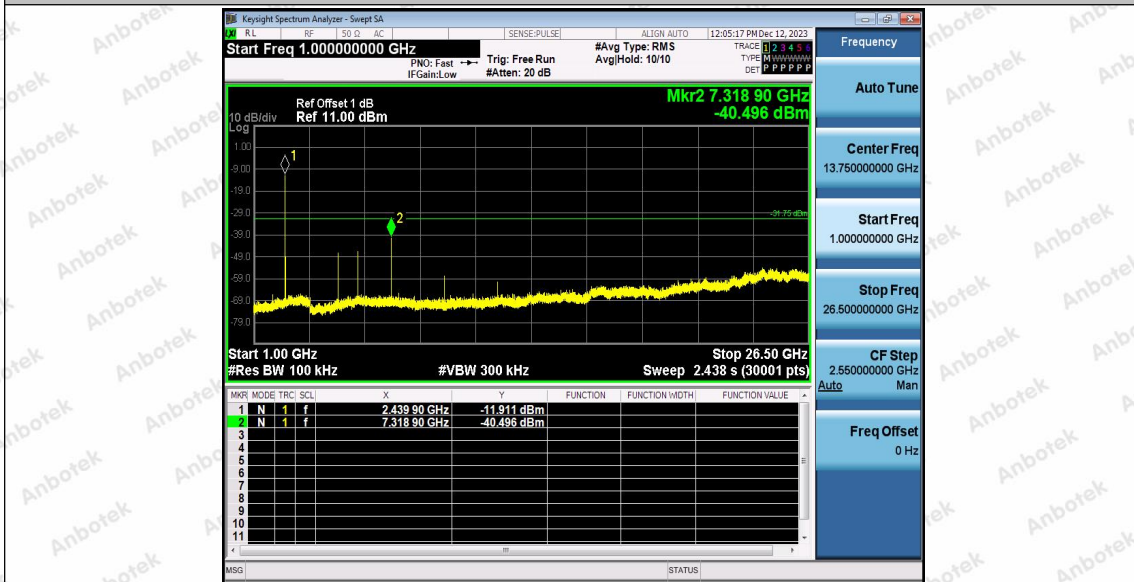
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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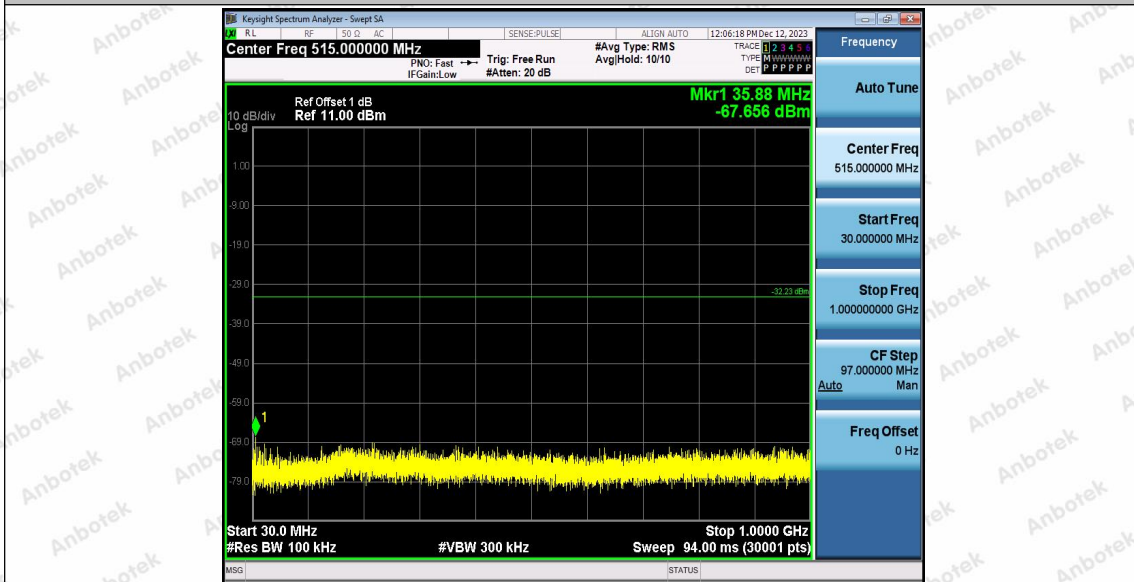
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BLE_1M_Ant1_2480_30~1000



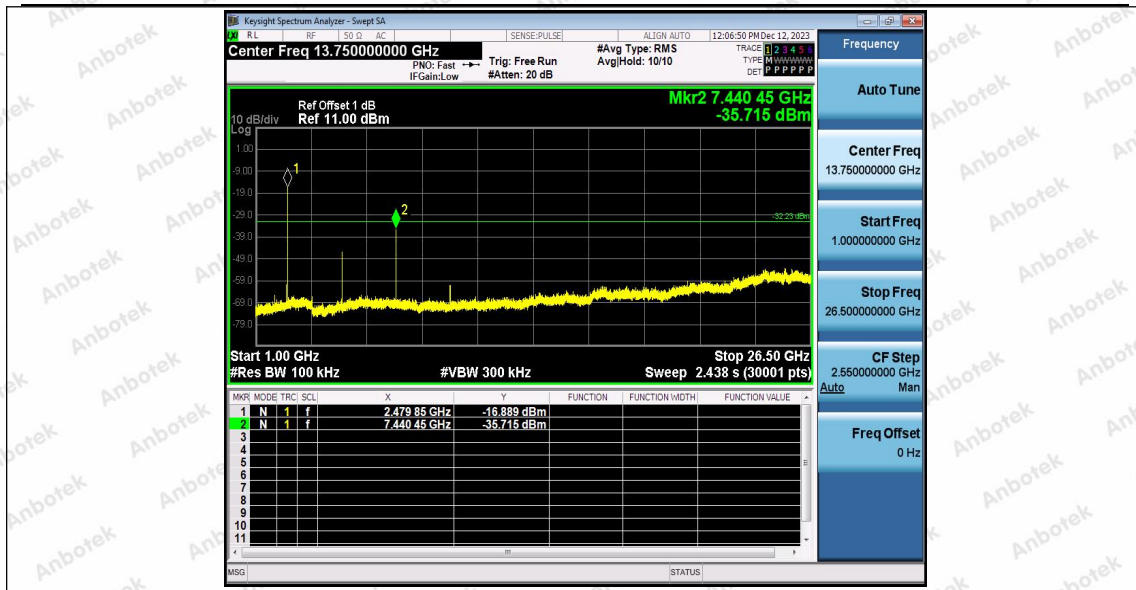
BLE_1M_Ant1_2480_1000~26500

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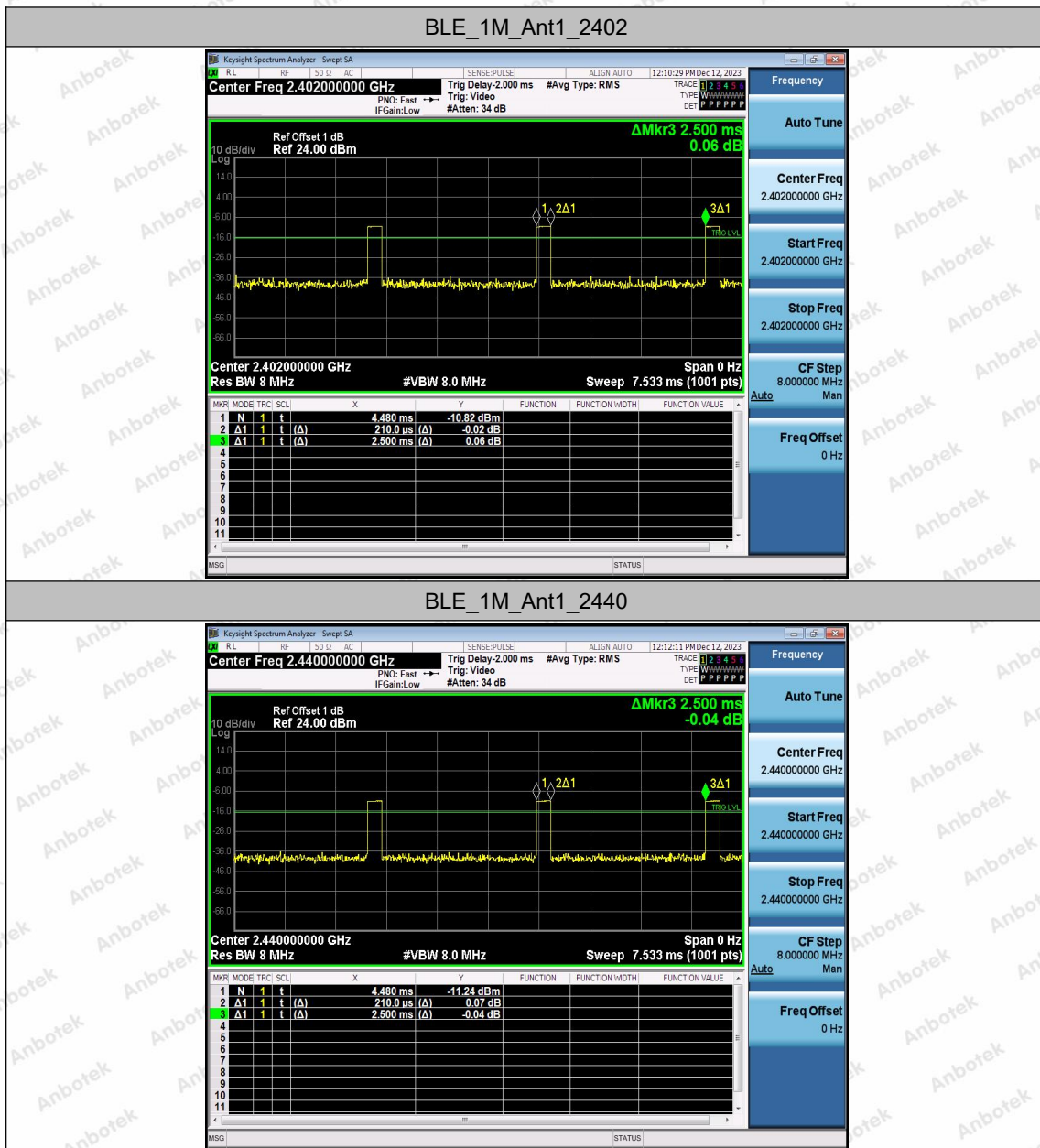


Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.21	2.50	8.40	10.76
		2440	0.21	2.50	8.40	10.76
		2480	0.21	2.50	8.40	10.76

Test Graphs

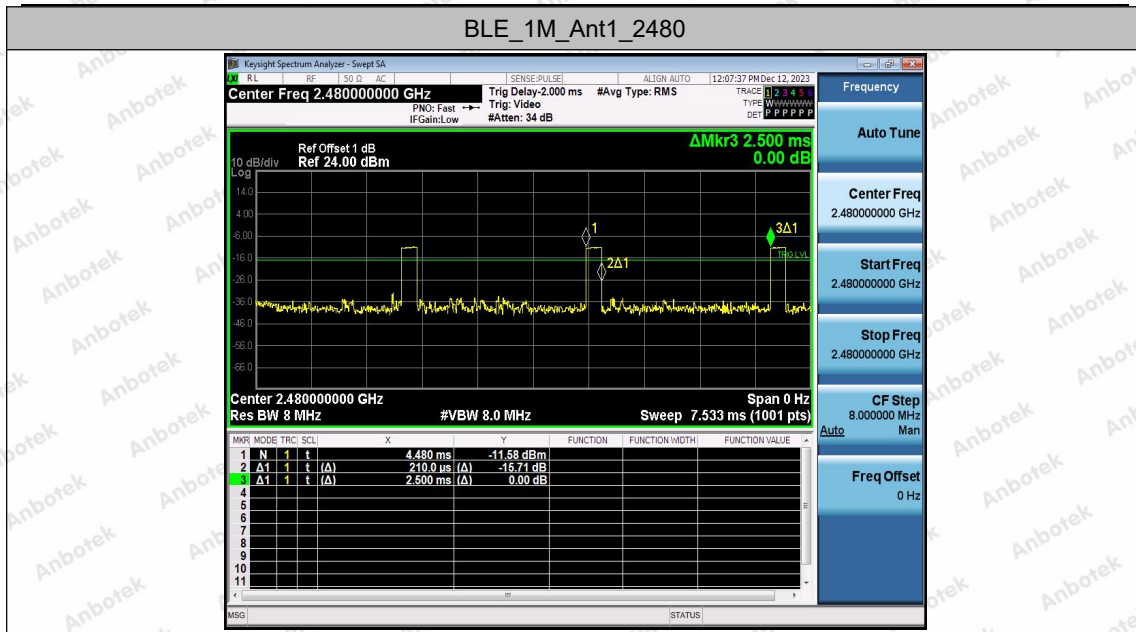


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