

Report No.:	18220WC30246001	Test Sample No.:	1-2-2
Start Test Date:	2023.11.27	Finish Test Date:	2023.12.02
Test Engineer:	Hayman Chen	Auditor:	Rock Luo
Temperature:	25.2°C	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	0.664	2401.668	2402.332	0.5	PASS
		2440	0.664	2439.672	2440.336	0.5	PASS
		2480	0.648	2479.680	2480.328	0.5	PASS

Test Graphs



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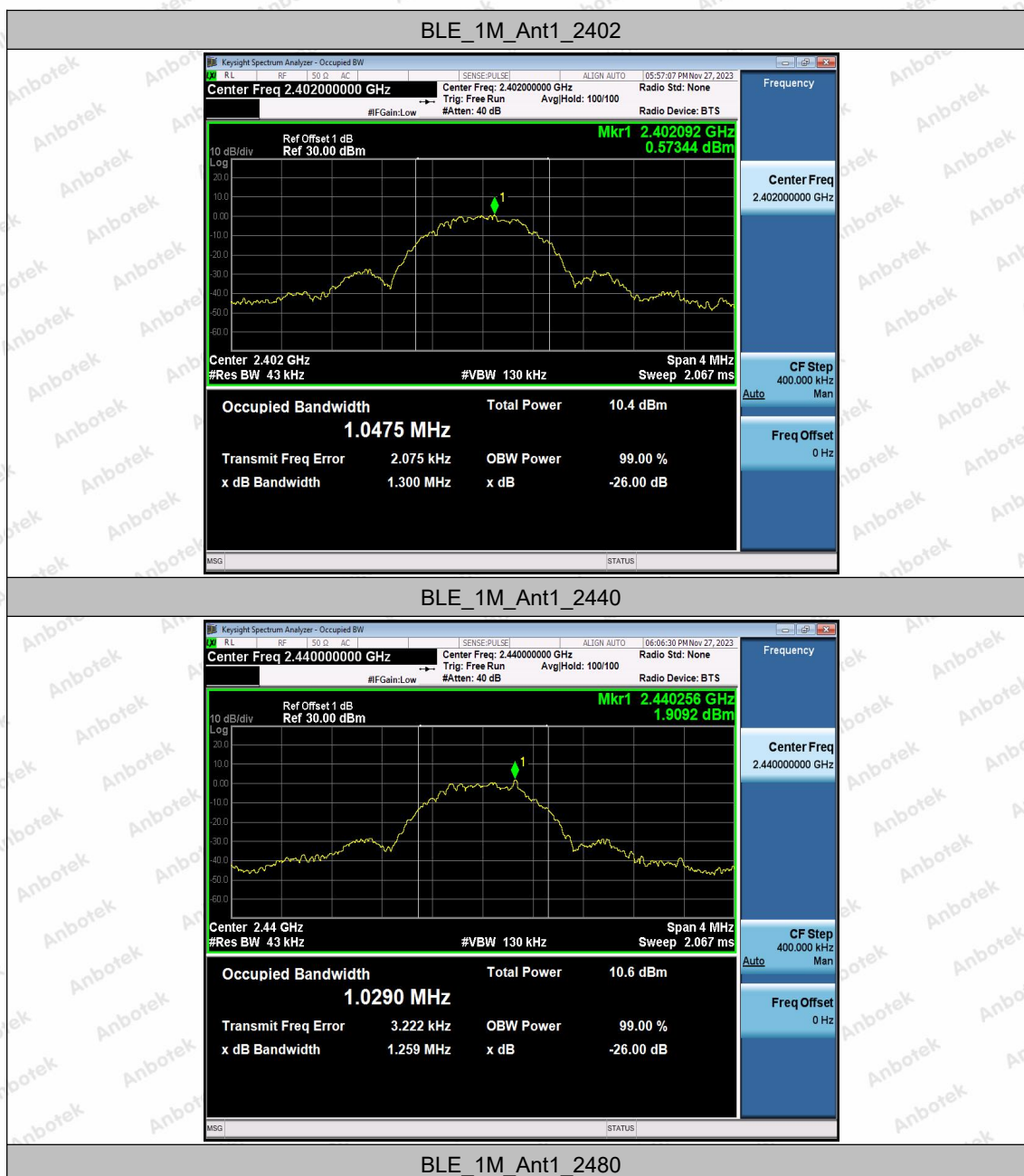


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0475	2401.4783	2402.5258
		2440	1.0290	2439.4887	2440.5177
		2480	1.0337	2479.4881	2480.5218

Test Graphs



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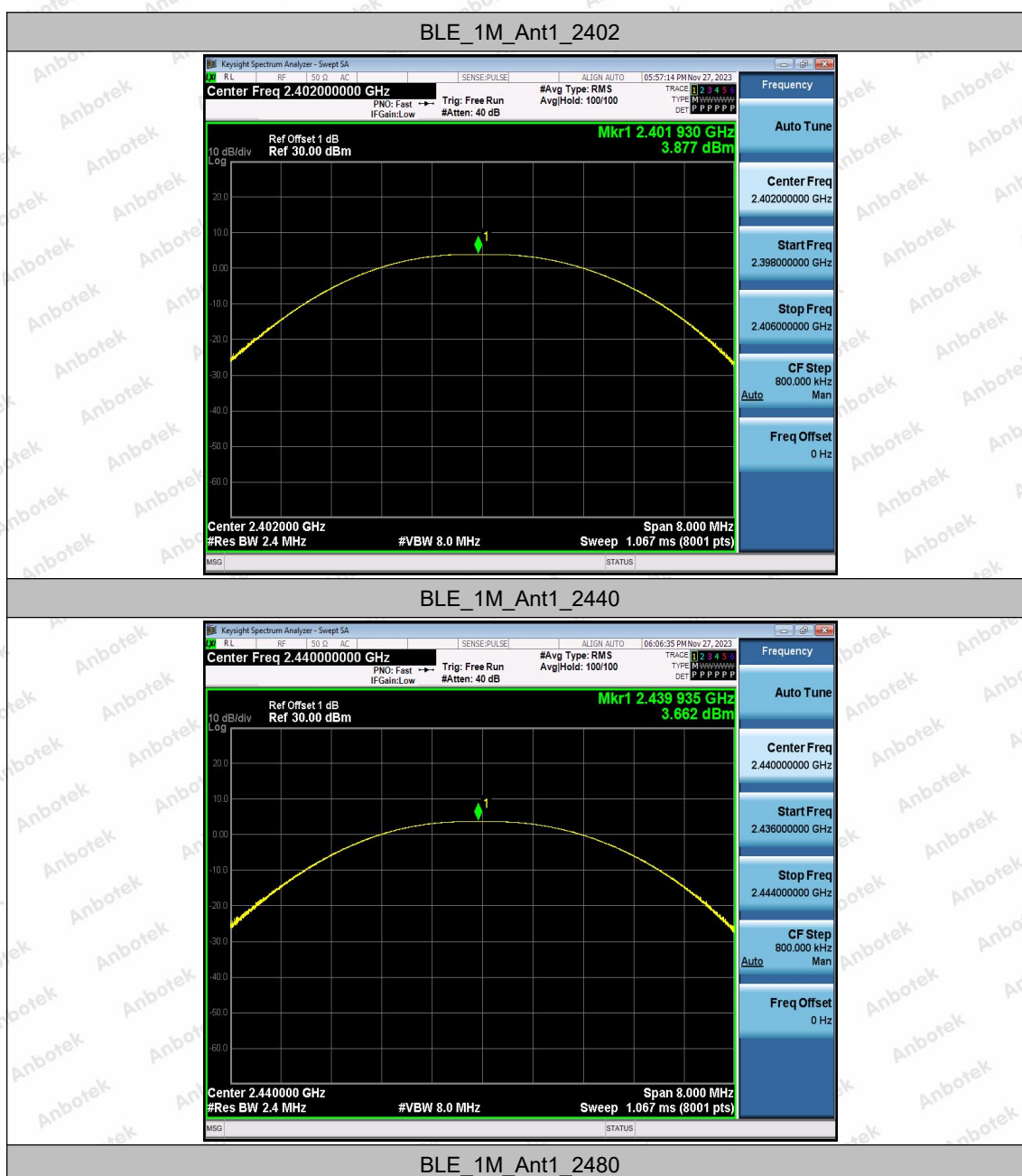


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.88	≤30	PASS
		2440	3.66	≤30	PASS
		2480	3.12	≤30	PASS

Test Graphs Peak



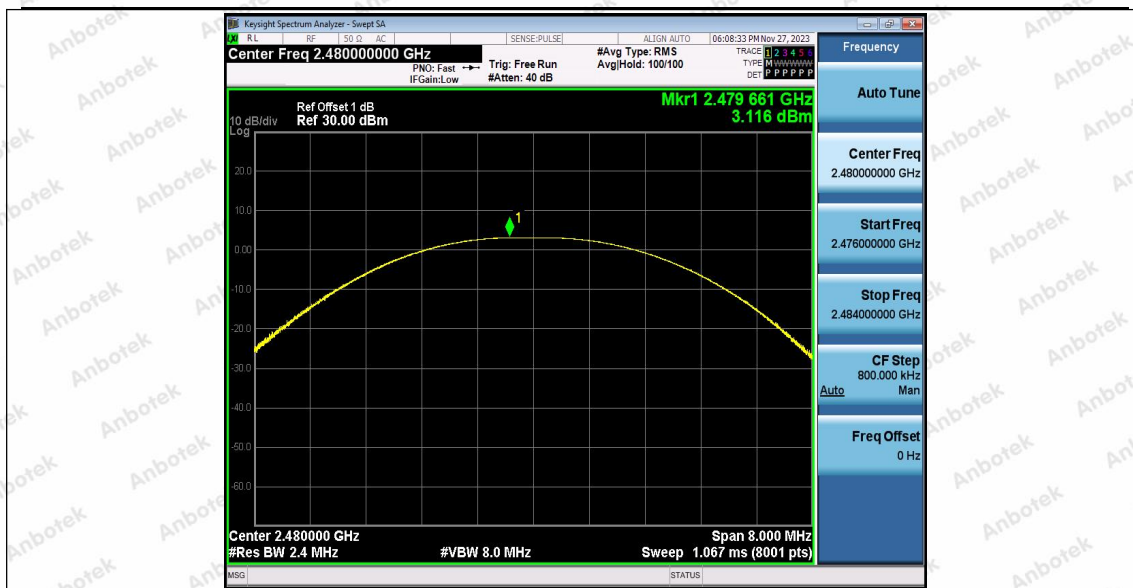
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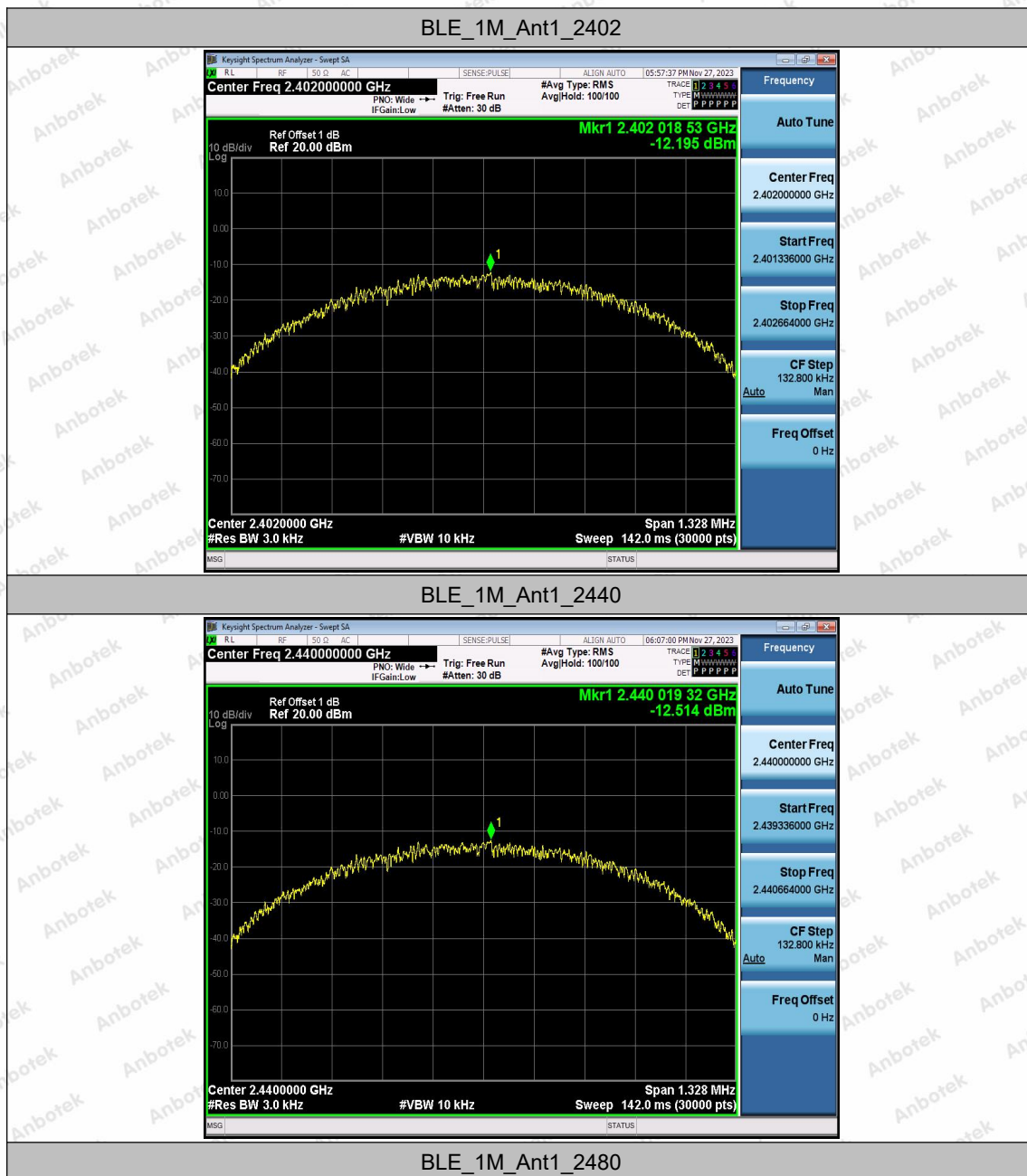


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.2	≤8.00	PASS
		2440	-12.51	≤8.00	PASS
		2480	-12.88	≤8.00	PASS

Test Graphs



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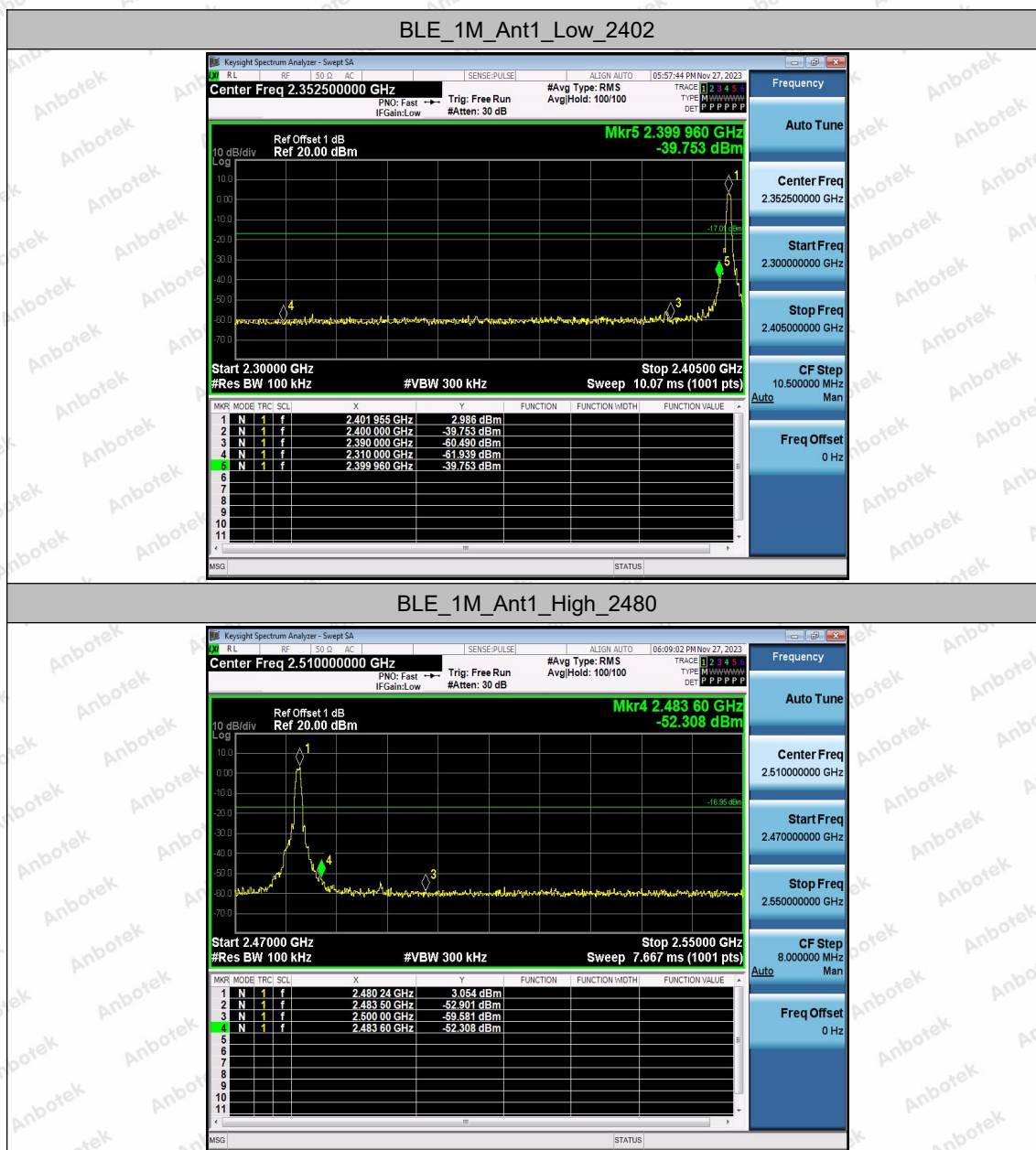


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.99	-39.75	≤-17.01	PASS
		High	2480	3.05	-52.31	≤-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	2.47	2.47	---	PASS
			30~1000	2.47	-67.94	≤-17.53	PASS
			1000~26500	2.47	-52.69	≤-17.53	PASS
		2440	Reference	2.52	2.52	---	PASS
			30~1000	2.52	-69.26	≤-17.48	PASS
			1000~26500	2.52	-53.96	≤-17.48	PASS
		2480	Reference	2.12	2.12	---	PASS
			30~1000	2.12	-68.72	≤-17.88	PASS
			1000~26500	2.12	-53.99	≤-17.88	PASS

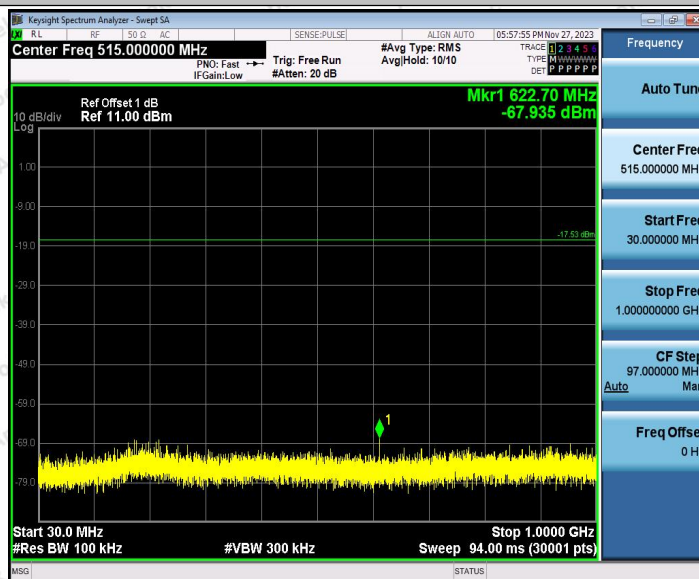


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

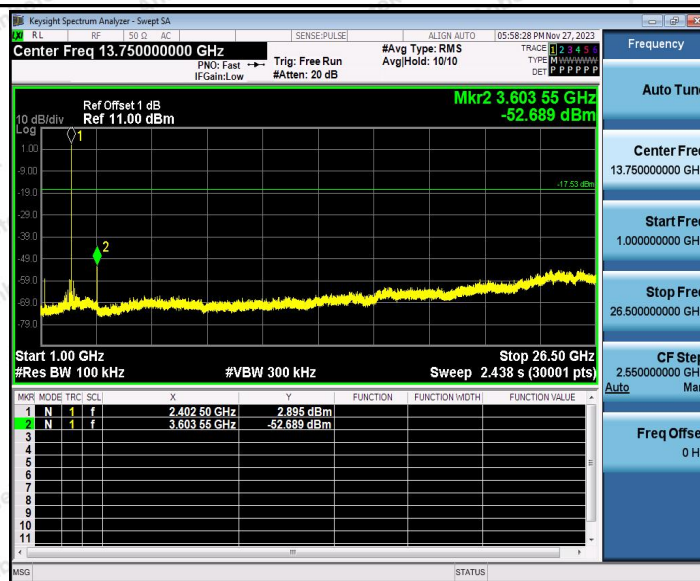
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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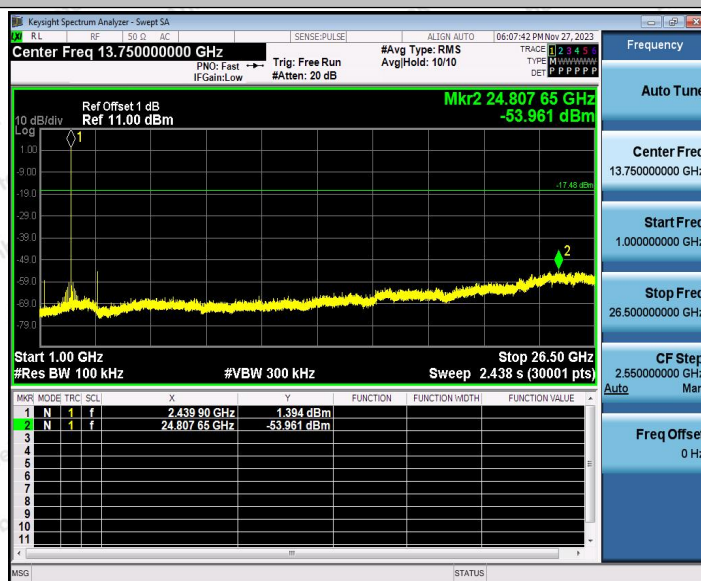
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

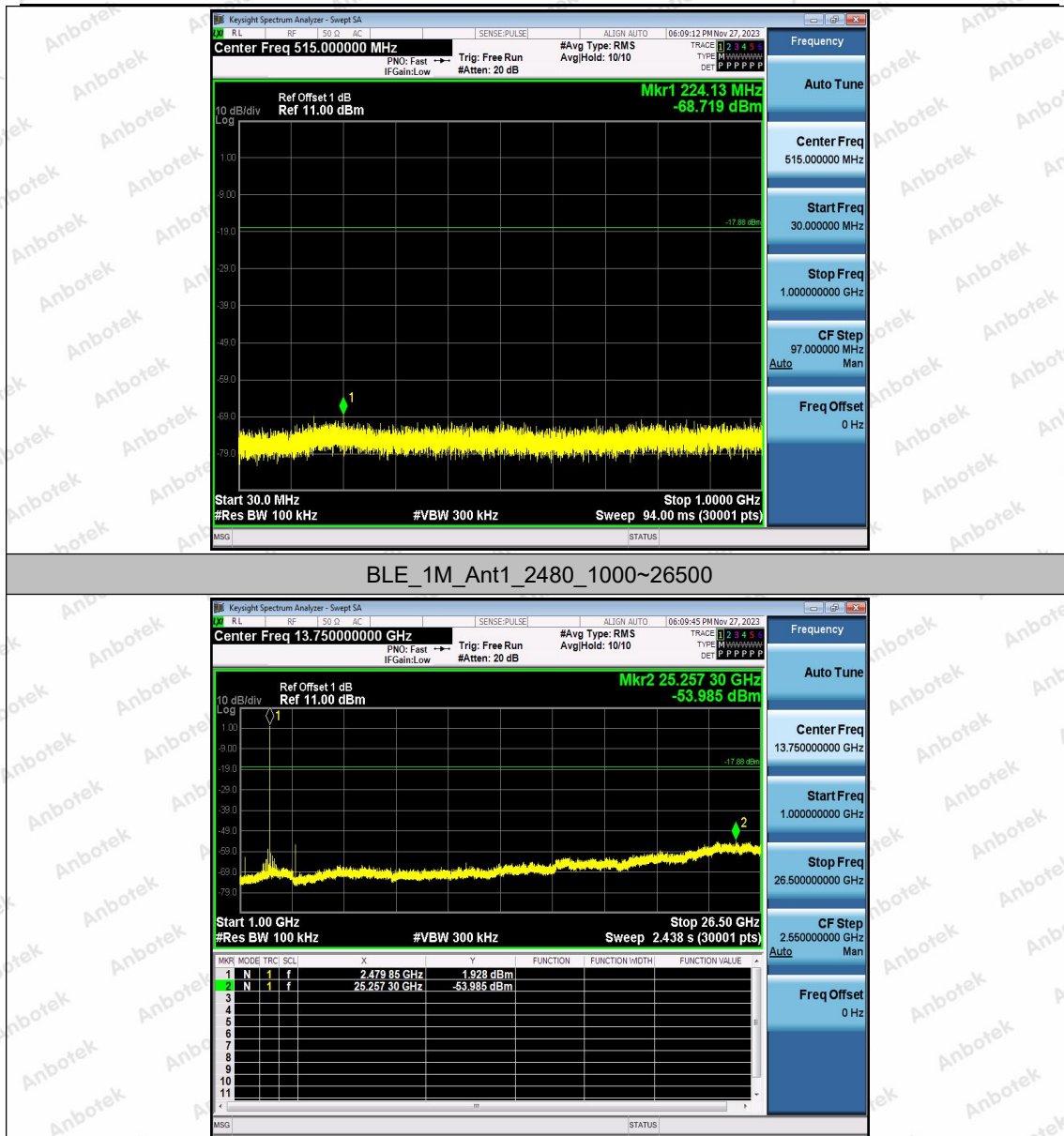
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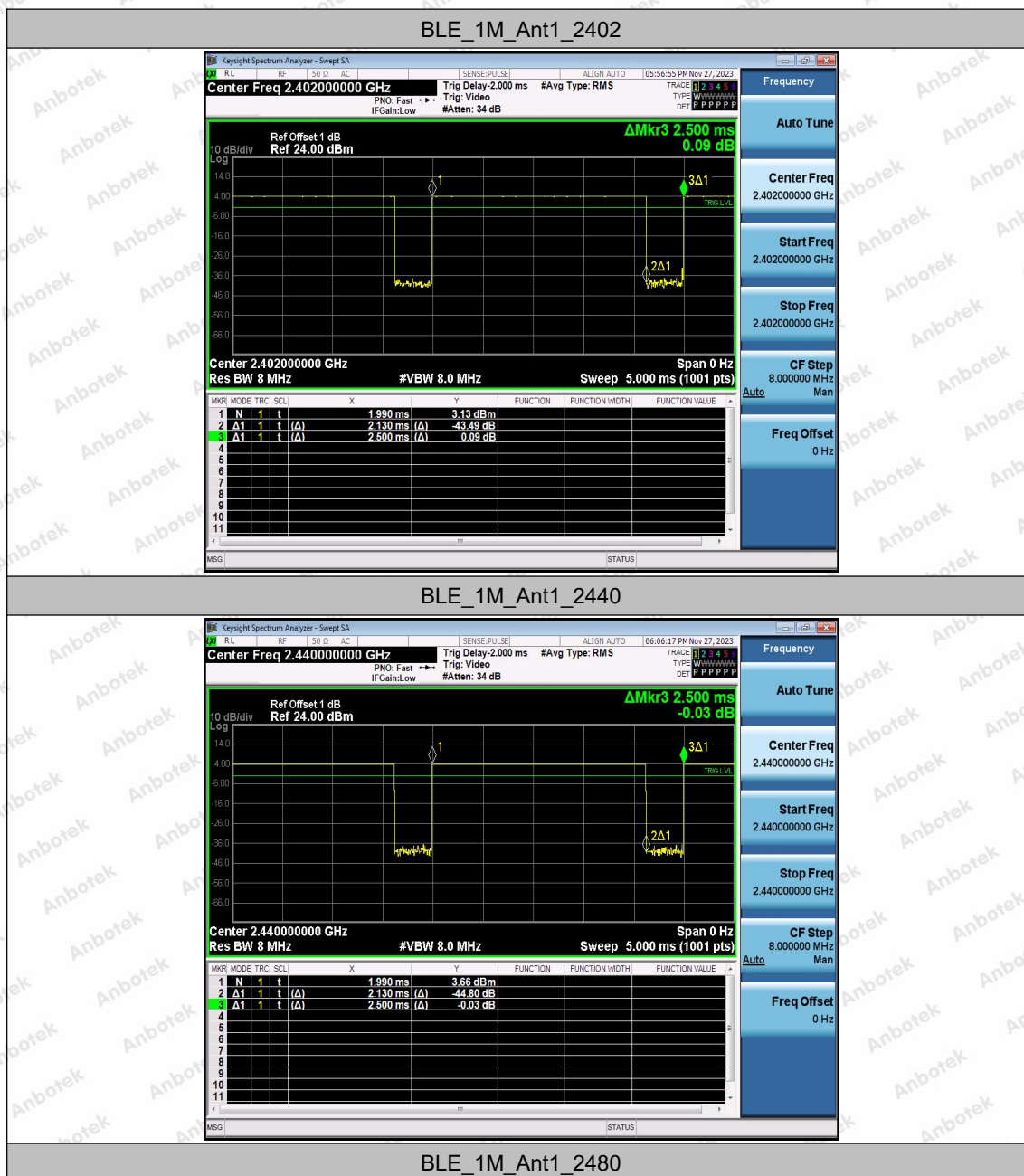


Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
		2440	2.13	2.50	85.20	0.70
		2480	2.13	2.50	85.20	0.70

Test Graphs





---End---

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