

Appendix Test Data

Report No.:	18220WC30239101	Test Sample No.:	1-2-2
Start Test Date:	2023.11.15	Finish Test Date:	2023.11.16
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	26.2C°	Relative Humidity:	44%
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	0.636	2401.688	2402.324	0.5	PASS
		2440	0.656	2439.676	2440.332	0.5	PASS
		2480	0.640	2479.664	2480.304	0.5	PASS



Test Graphs



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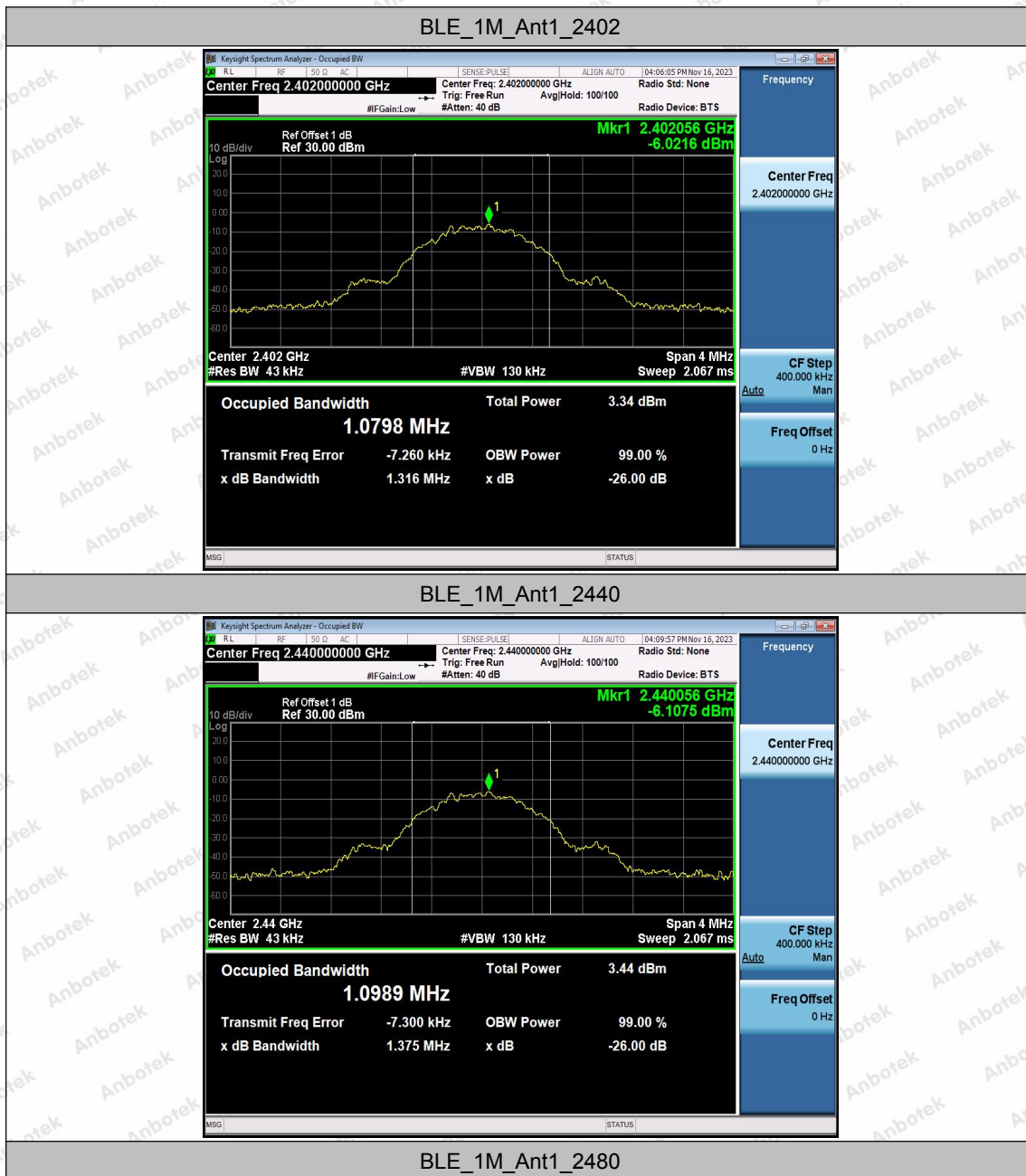
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0798	2401.4528	2402.5326
		2440	1.0989	2439.4433	2440.5422
		2480	1.1771	2479.3917	2480.5688



Test Graphs



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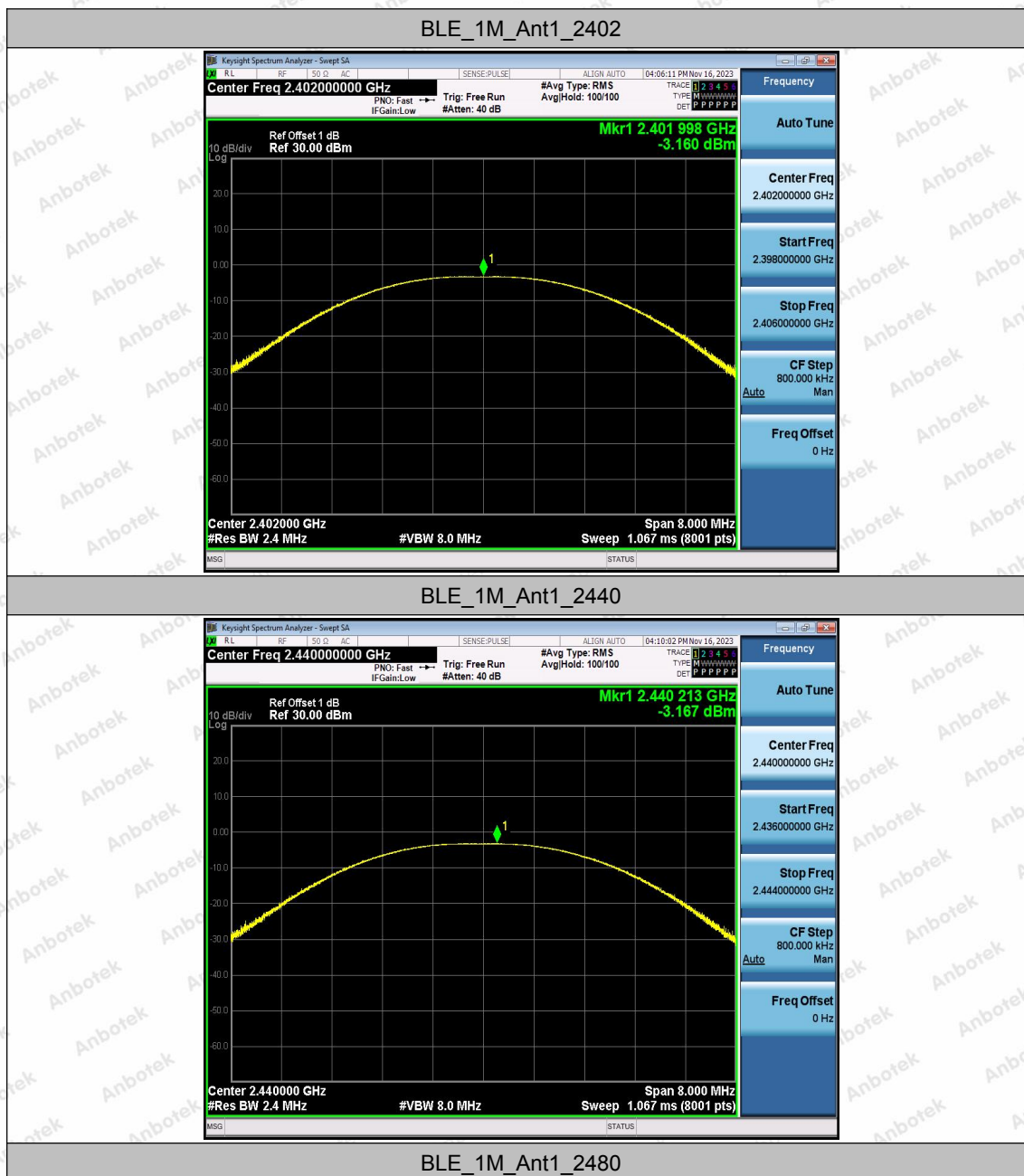
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.16	≤30	PASS
		2440	-3.17	≤30	PASS
		2480	-3.31	≤30	PASS



Test Graphs Peak



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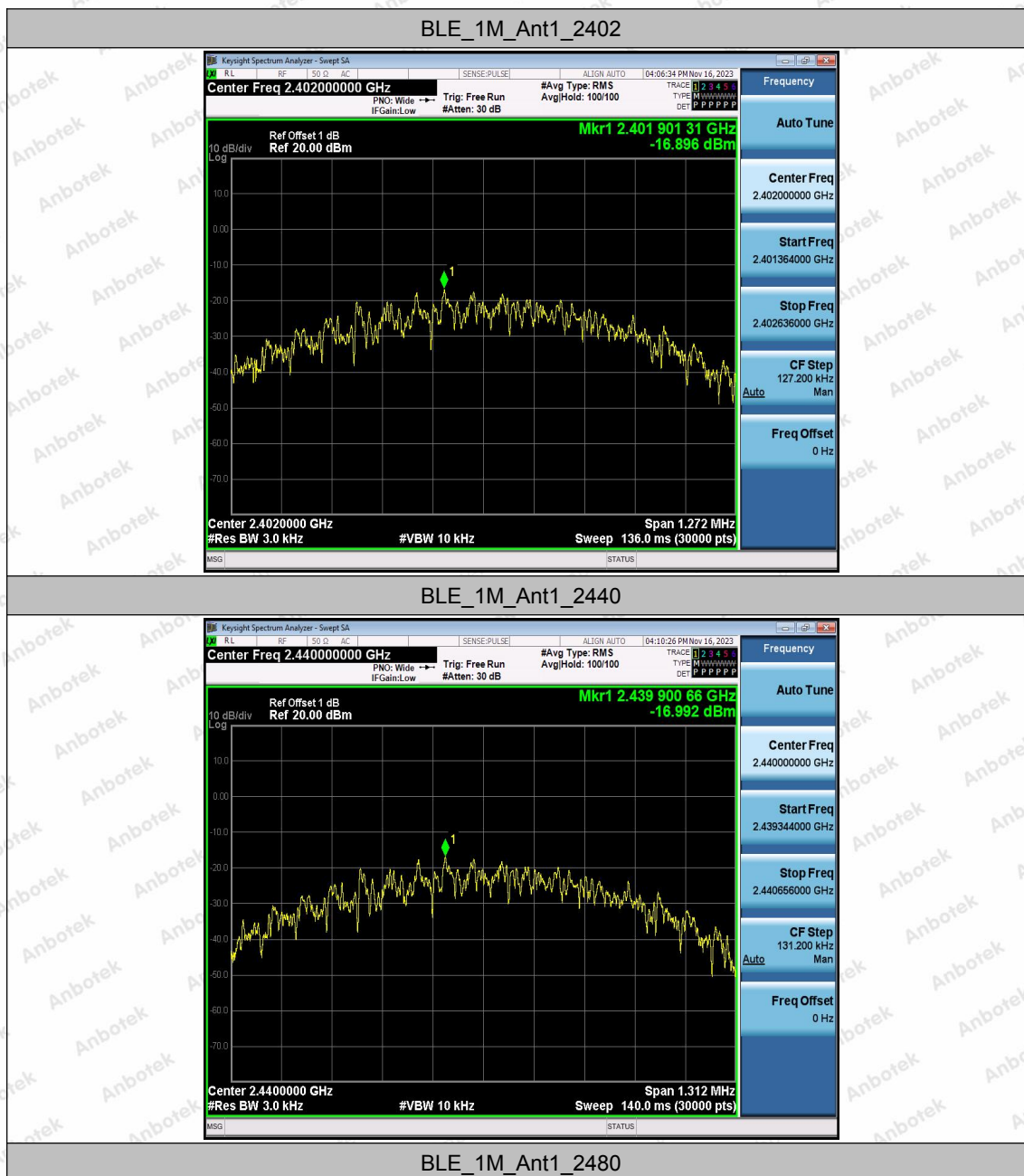
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.90	≤8.00	PASS
		2440	-16.99	≤8.00	PASS
		2480	-17.13	≤8.00	PASS



Test Graphs



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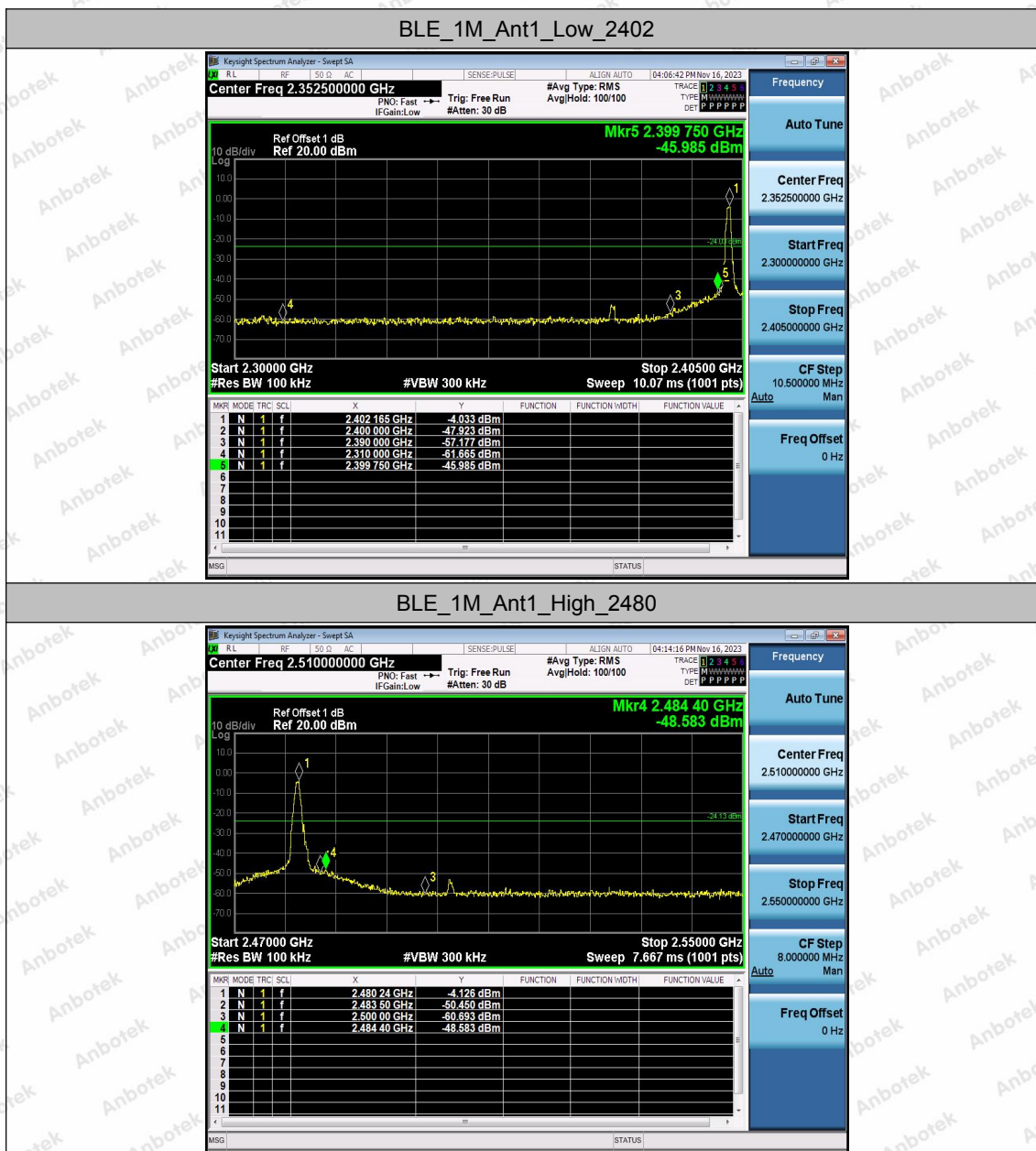
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-4.03	-45.99	≤-24.03	PASS
		High	2480	-4.13	-48.58	≤-24.13	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	-4.87	-4.87	---	PASS
			30~1000	-4.87	-68.81	≤-24.87	PASS
			1000~26500	-4.87	-47.81	≤-24.87	PASS
		2440	Reference	-4.92	-4.92	---	PASS
			30~1000	-4.92	-68.51	≤-24.92	PASS
			1000~26500	-4.92	-49.03	≤-24.92	PASS
		2480	Reference	-5.09	-5.09	---	PASS
			30~1000	-5.09	-68.05	≤-25.09	PASS
			1000~26500	-5.09	-49.11	≤-25.09	PASS

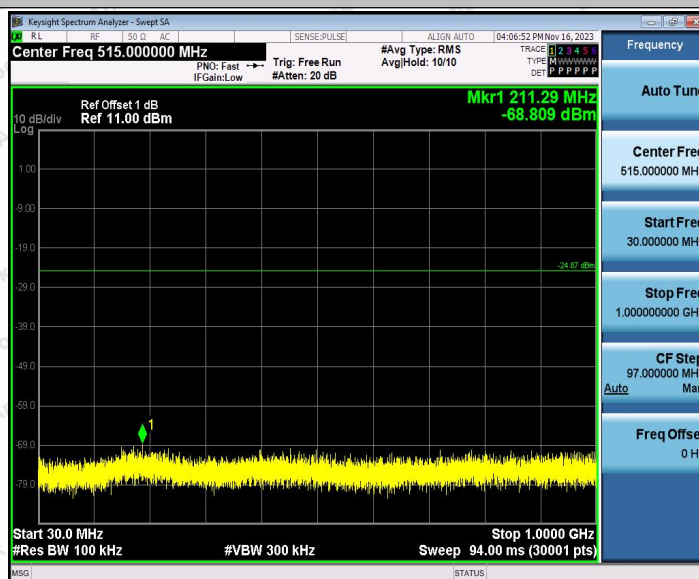


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

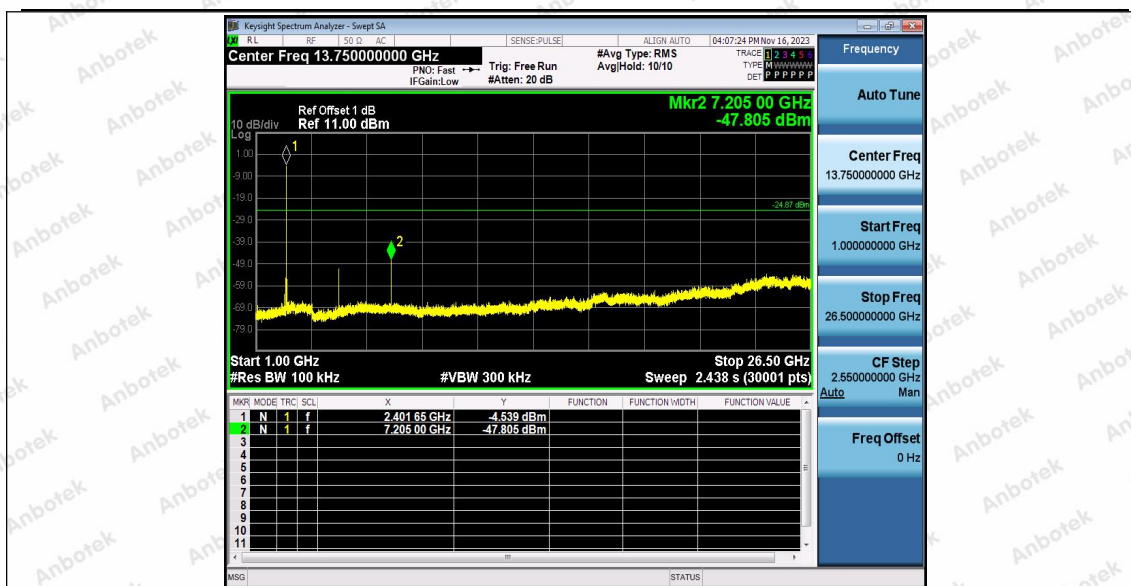
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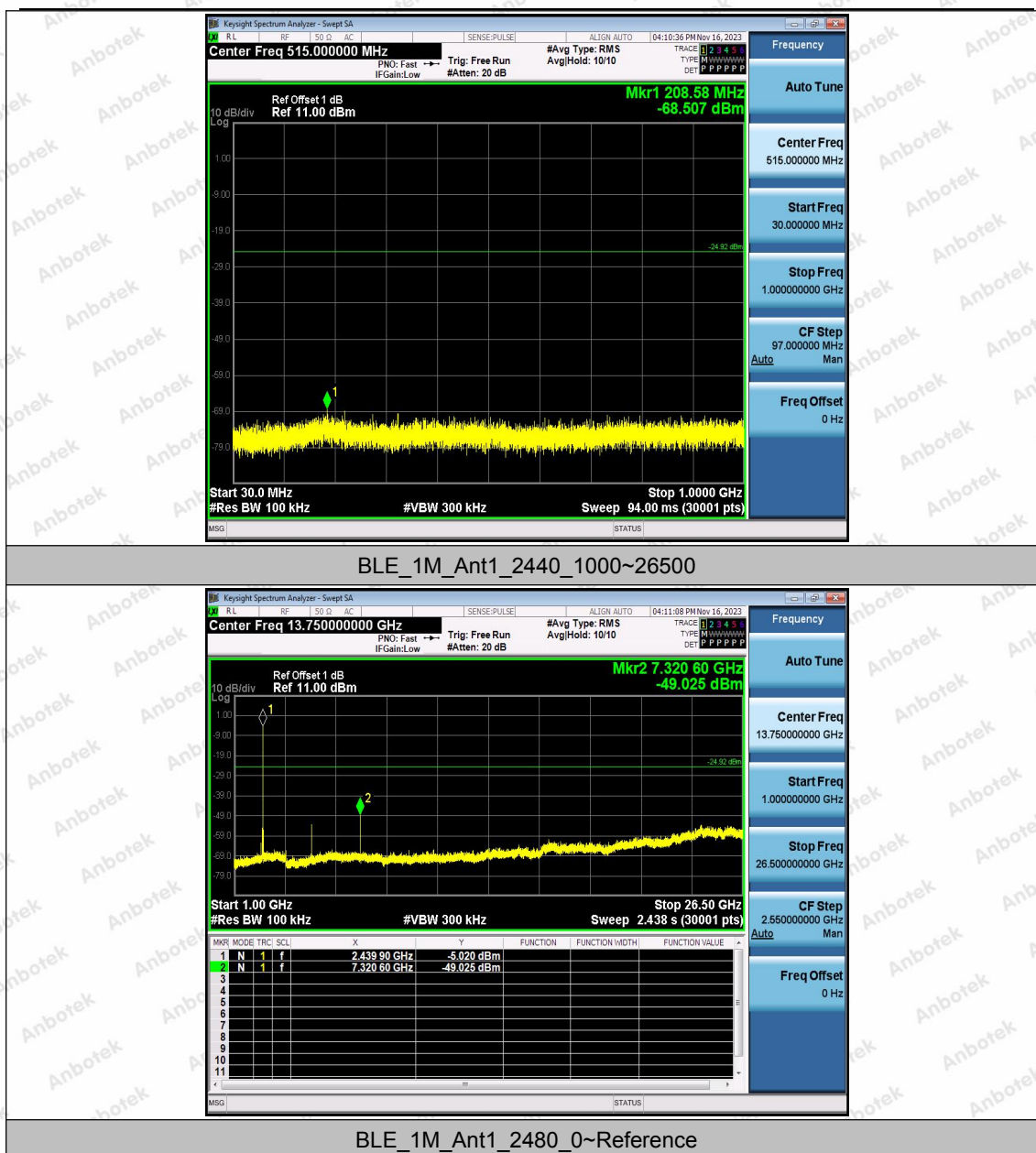


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000





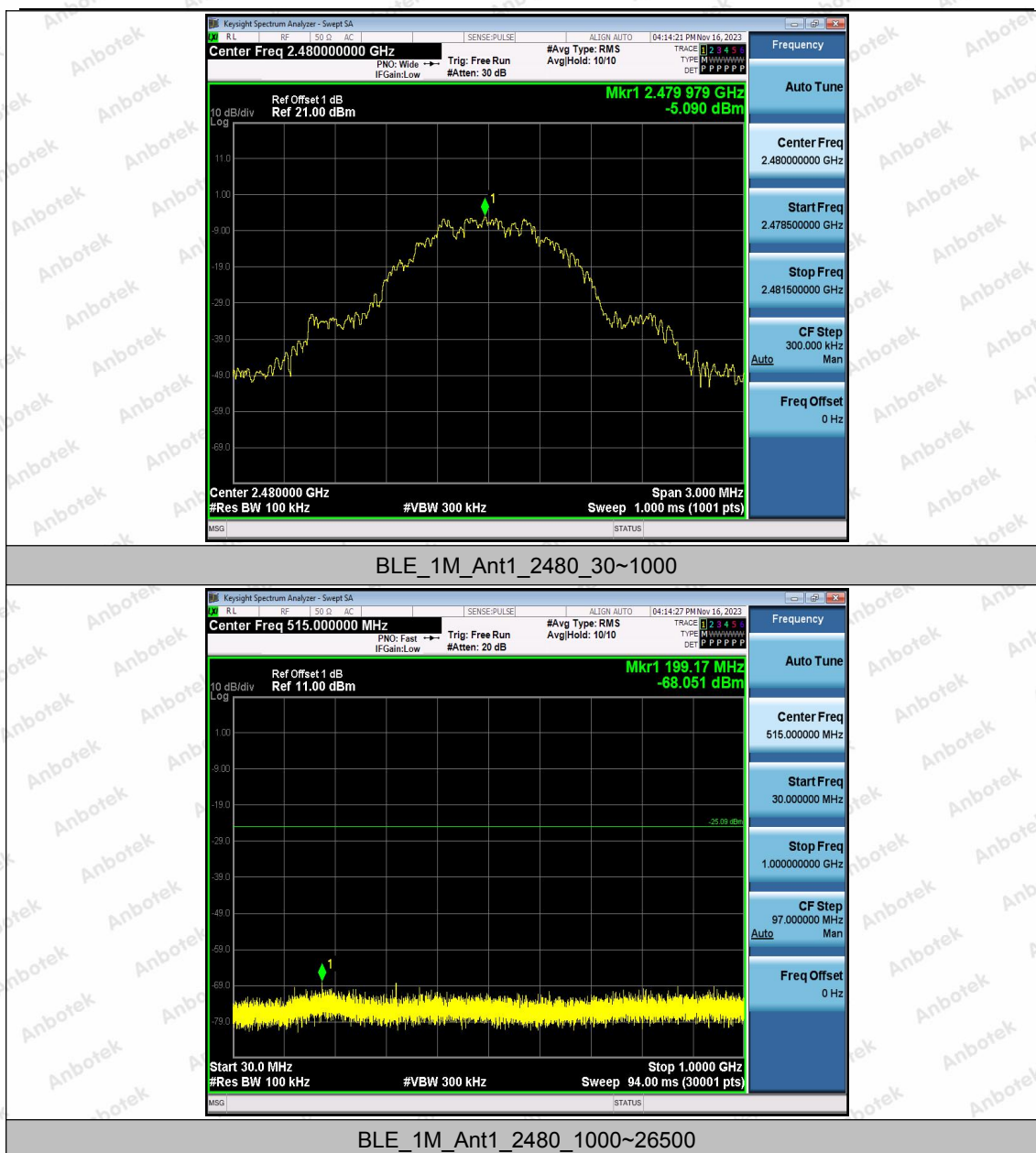
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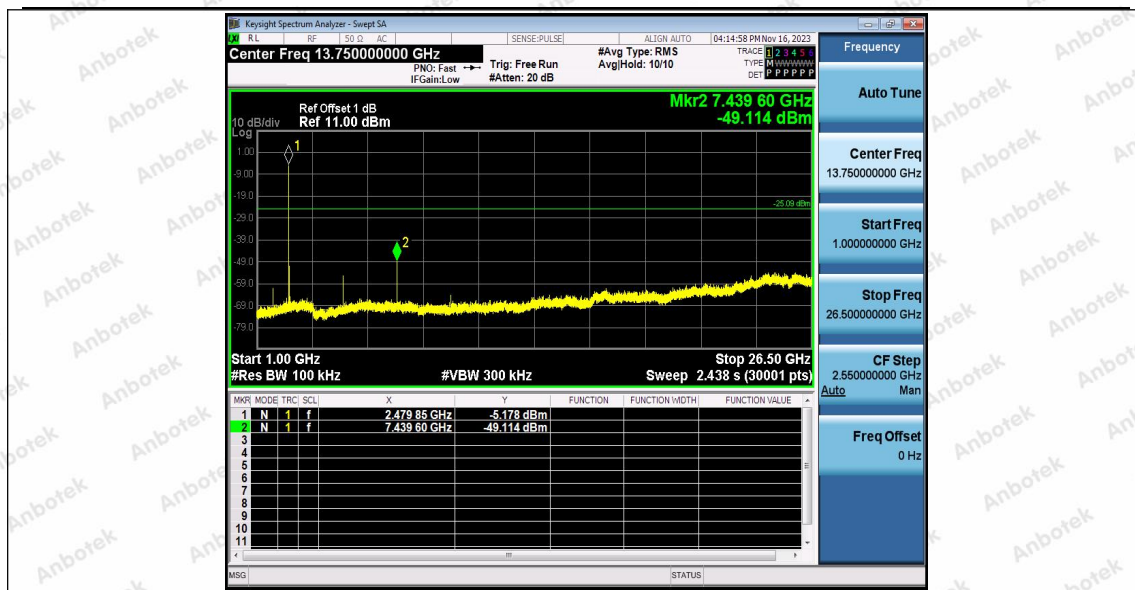
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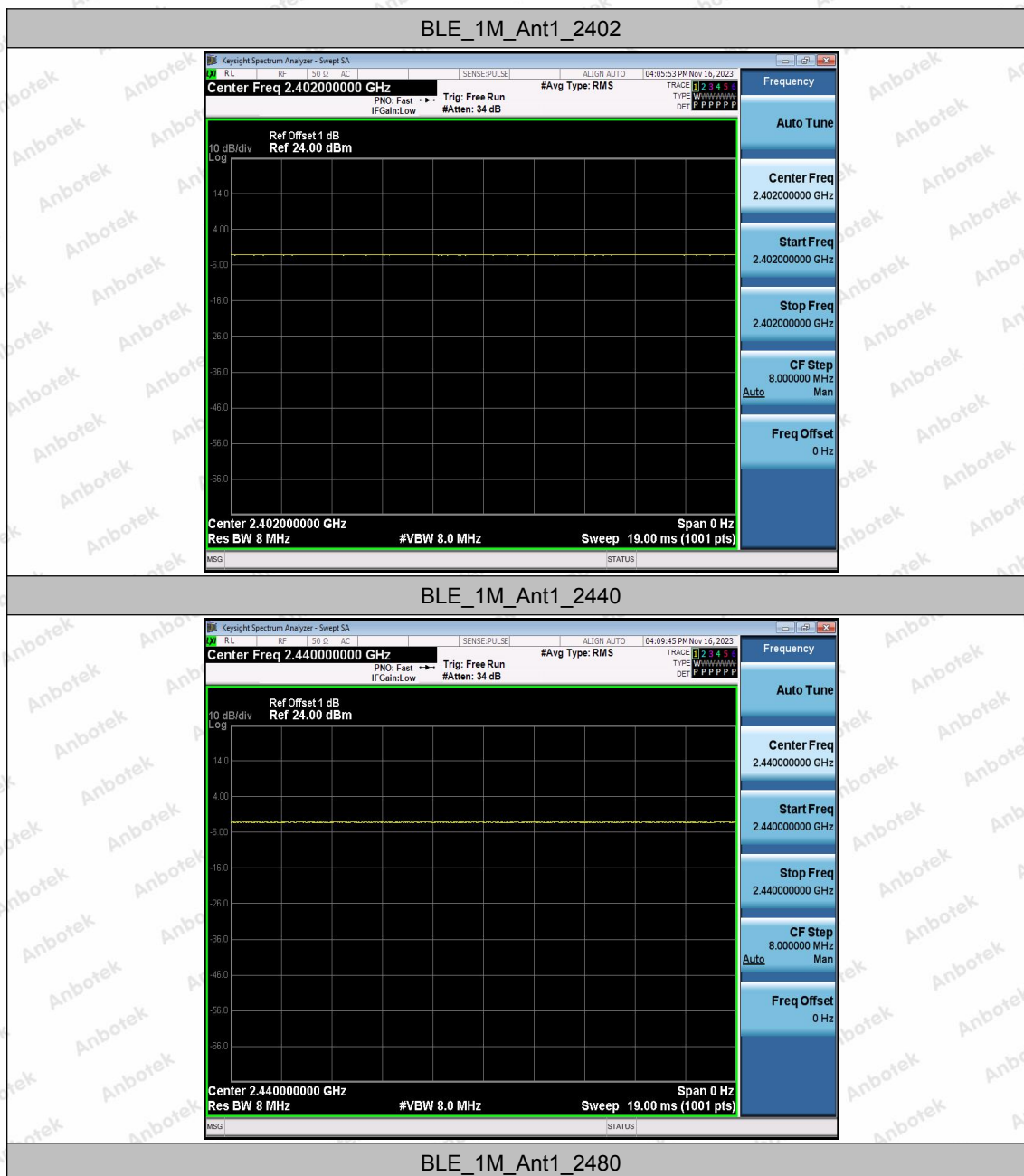
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	19.00	19.00	100	0.00
		2440	19.00	19.00	100	0.00
		2480	19.00	19.00	100	0.00



Test Graphs



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