

Appendix Test Data

Report No.:	18220WC30044901	Test Sample No.:	1-2-2
Start Test Date:	2023.03.21	Finish Test Date:	2023.03.23
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	57 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.716	2401.640	2402.356	0.5	PASS
		2440	0.688	2439.660	2440.348	0.5	PASS
		2480	0.716	2479.632	2480.348	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



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	1.0331	2401.4803	2402.5134
		2440	1.0300	2439.4835	2440.5135
		2480	1.0316	2479.4824	2480.5140



Test Graphs



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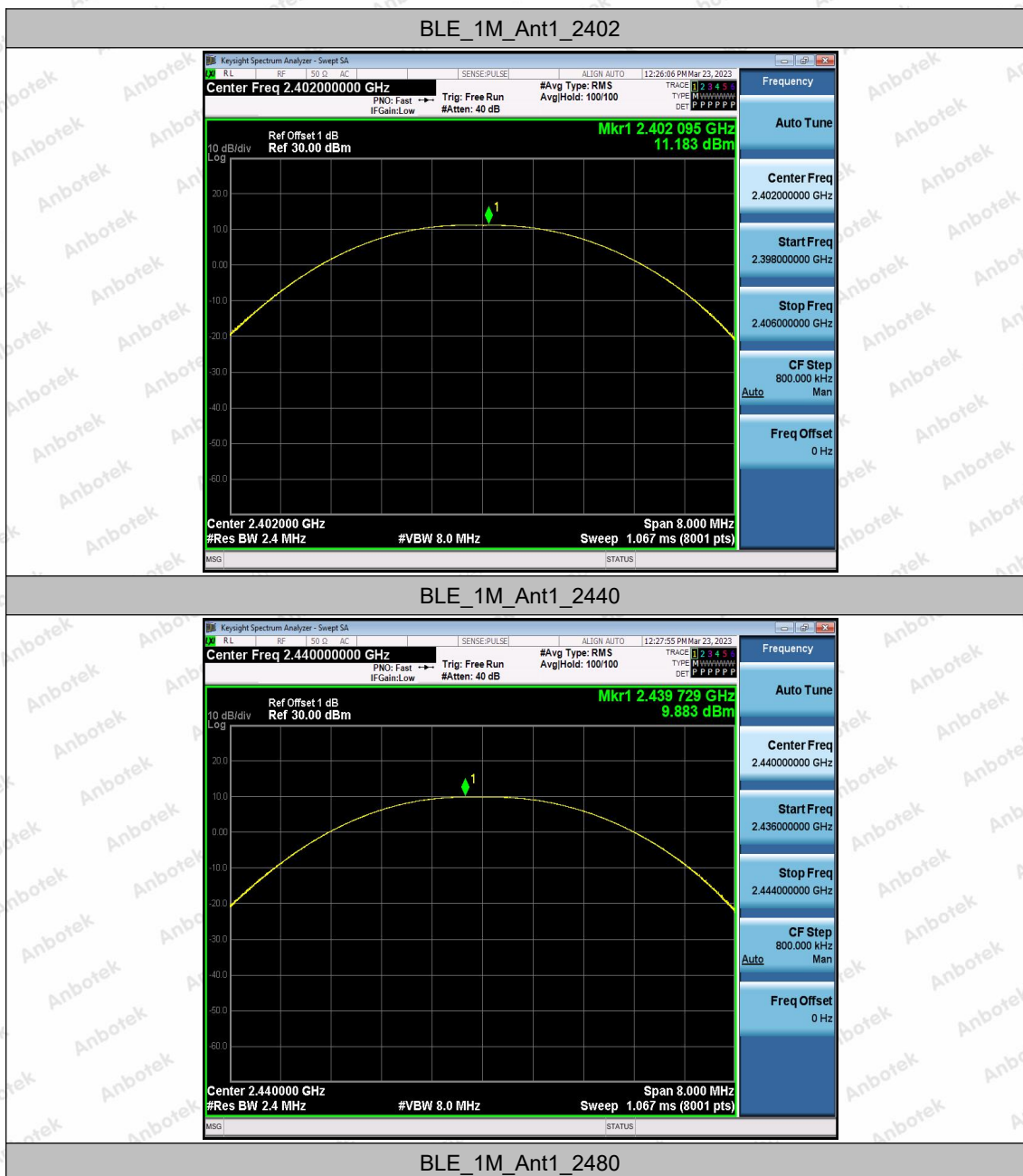
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	11.18	≤30	PASS
		2440	9.88	≤30	PASS
		2480	8.89	≤30	PASS



Test Graphs Peak



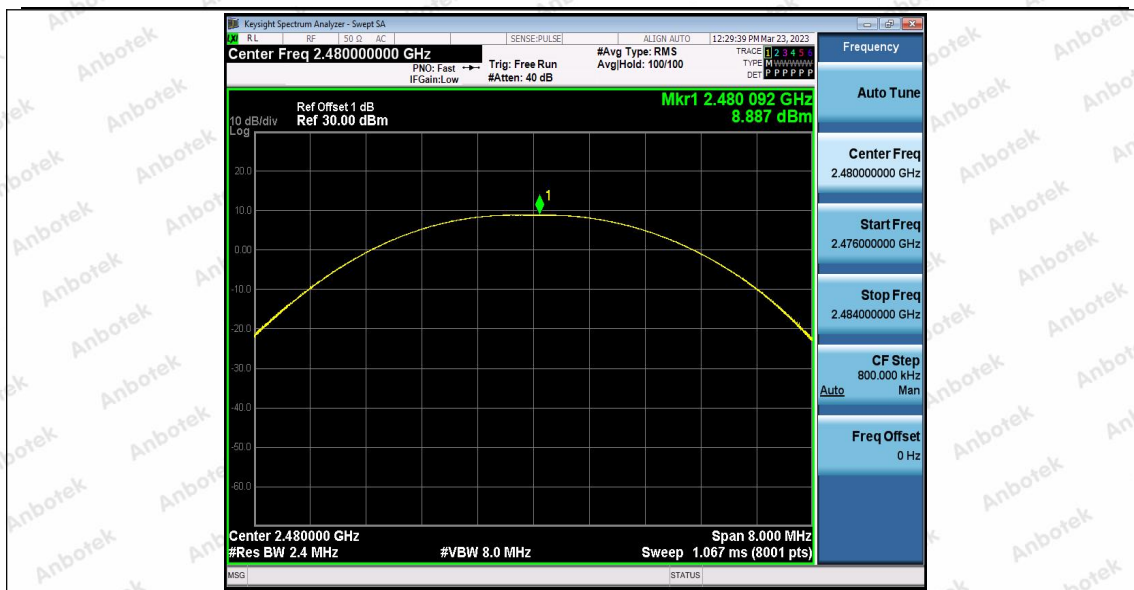
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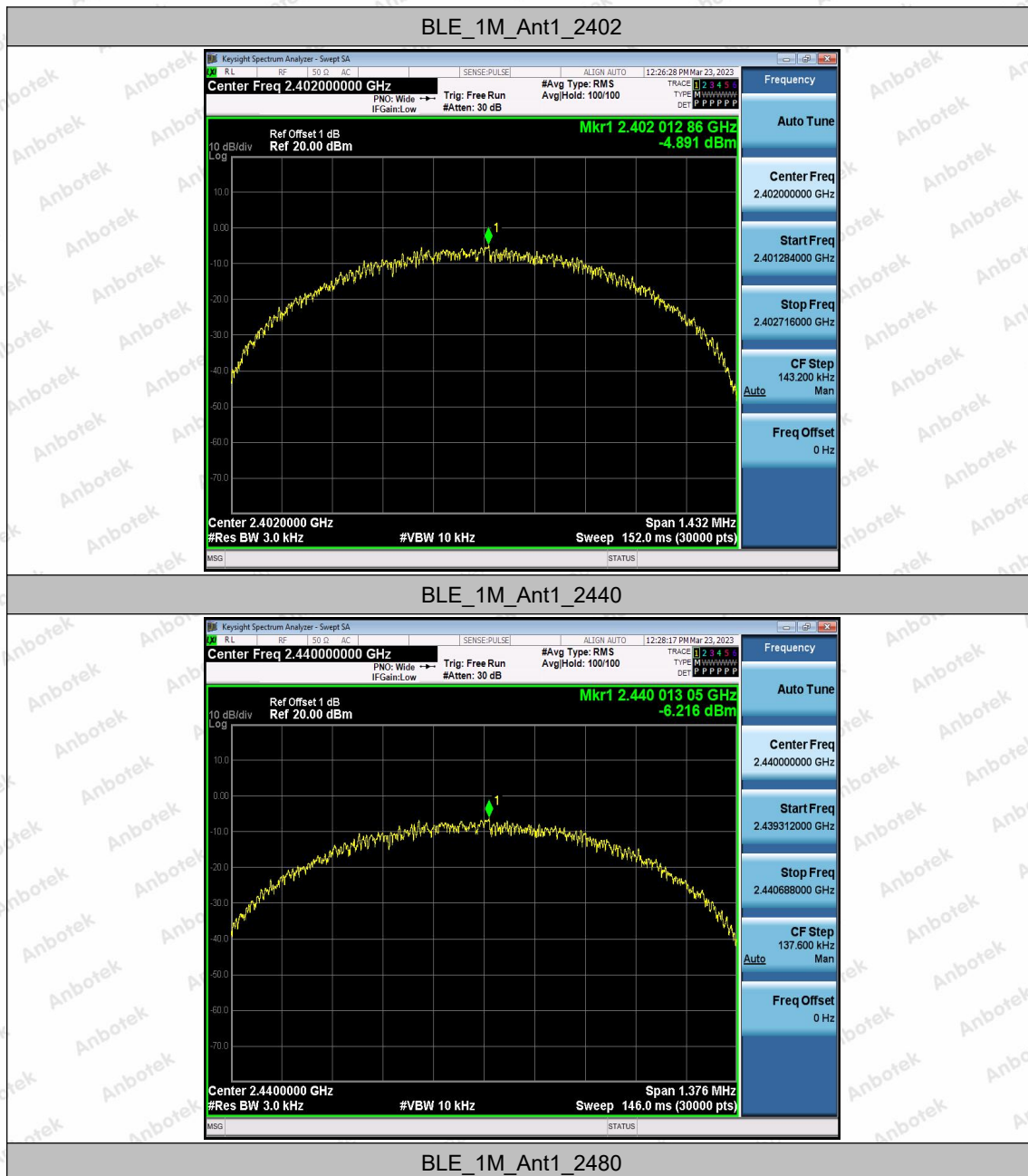
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-4.89	≤8.00	PASS
		2440	-6.22	≤8.00	PASS
		2480	-7.25	≤8.00	PASS



Test Graphs



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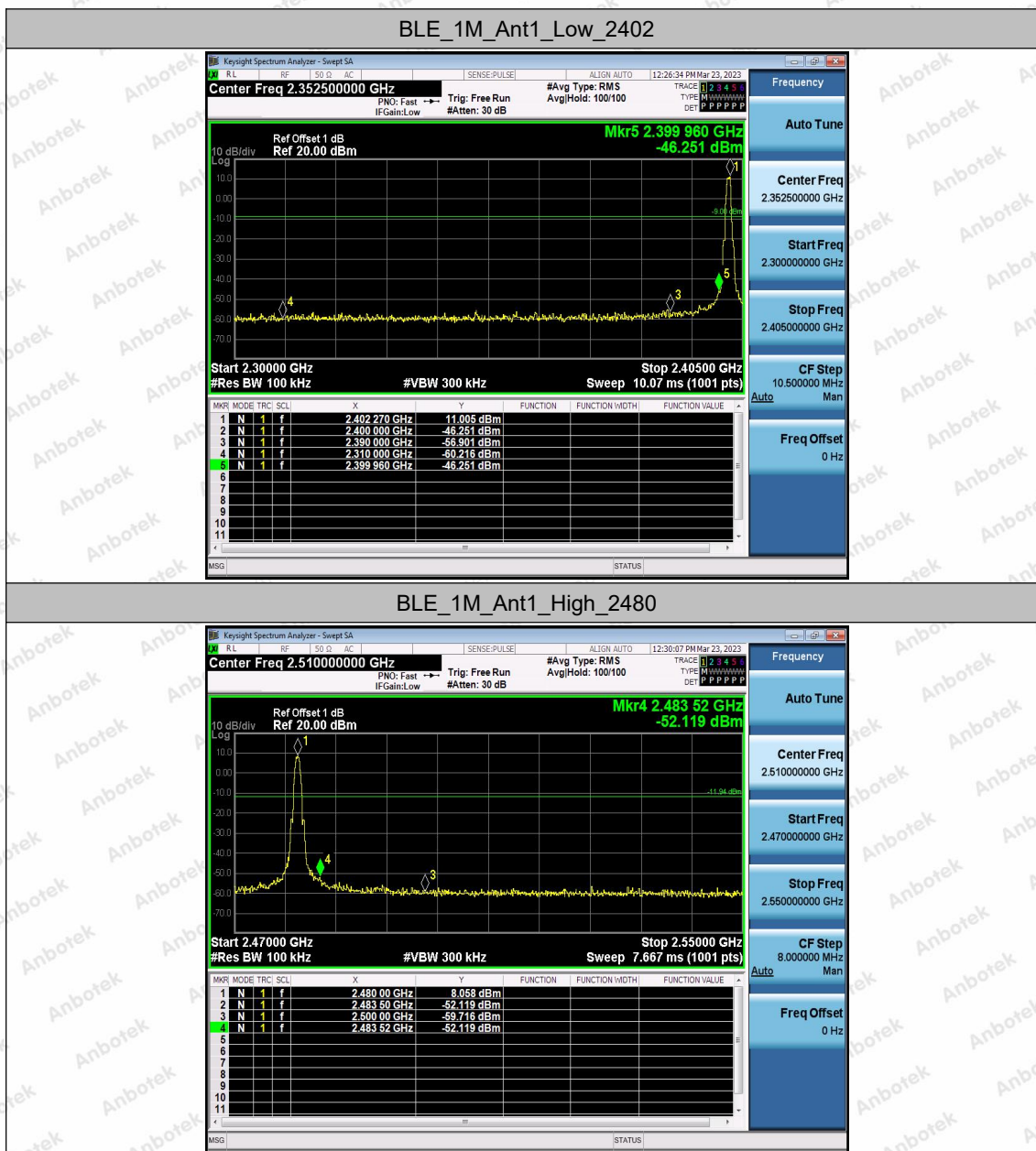
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	11.01	-46.25	≤-9	PASS
		High	2480	8.06	-52.12	≤-11.94	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	8.92	8.92	---	PASS
			30~1000	8.92	-57.06	≤-11.08	PASS
			1000~26500	8.92	-27.45	≤-11.08	PASS
		2440	Reference	8.30	8.30	---	PASS
			30~1000	8.30	-69.03	≤-11.7	PASS
			1000~26500	8.30	-25.49	≤-11.7	PASS
		2480	Reference	7.59	7.59	---	PASS
			30~1000	7.59	-68.68	≤-12.41	PASS
			1000~26500	7.59	-28.3	≤-12.41	PASS

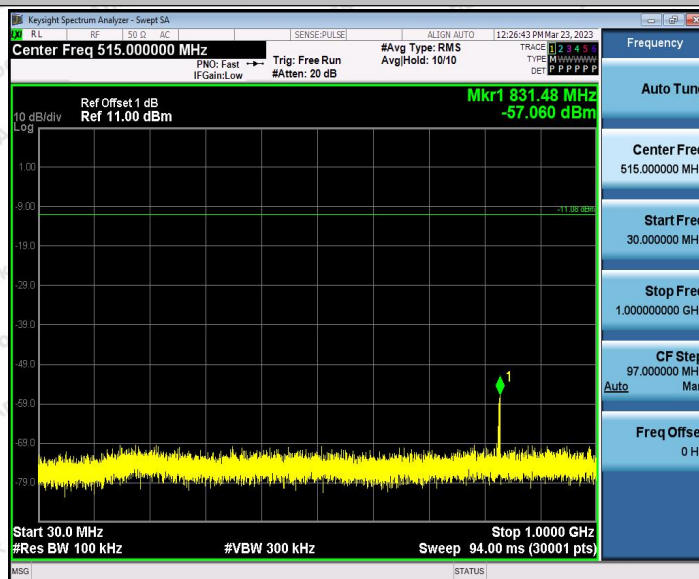


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

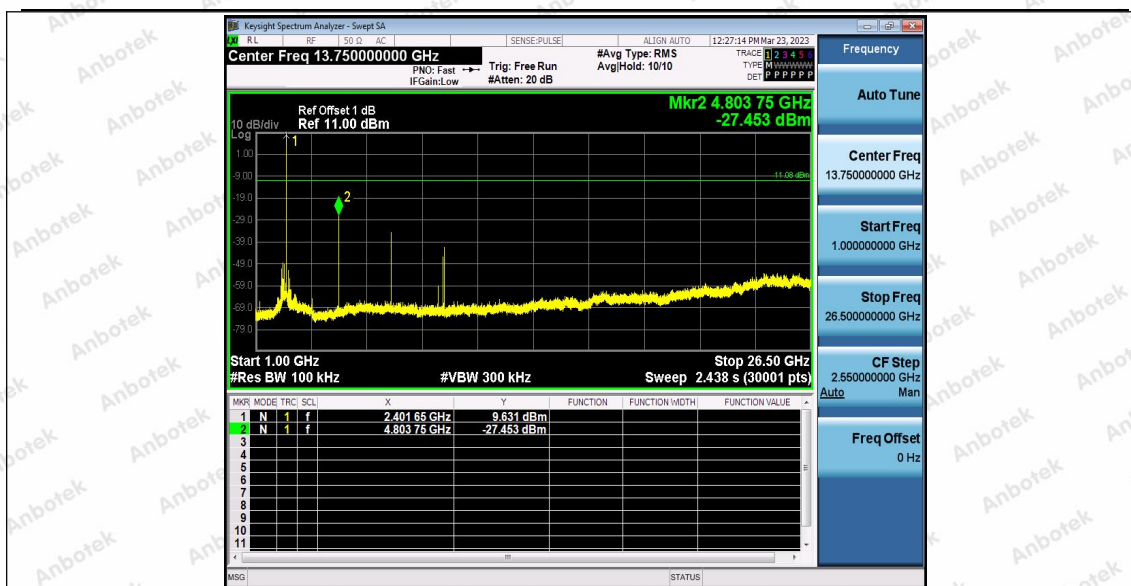
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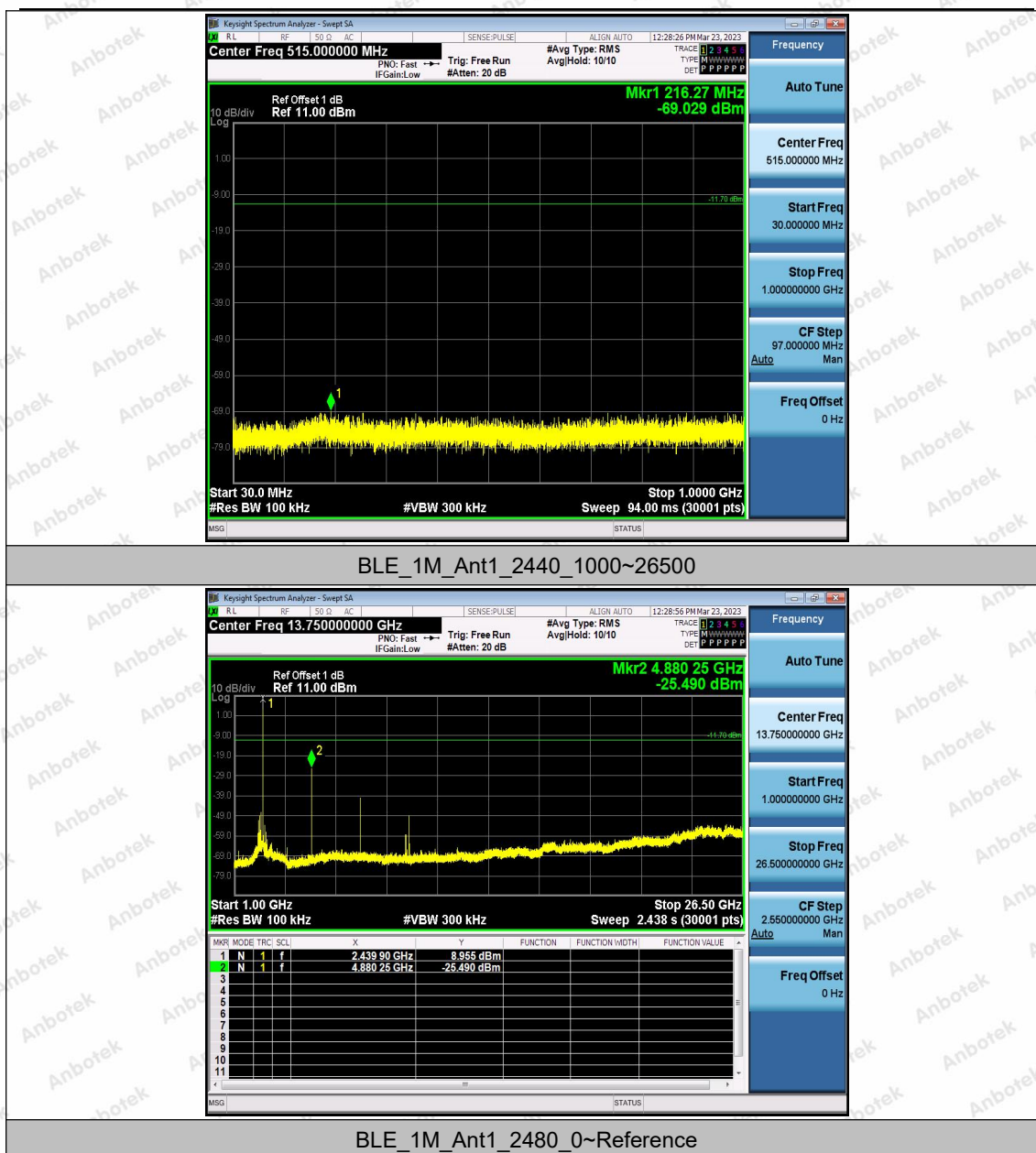


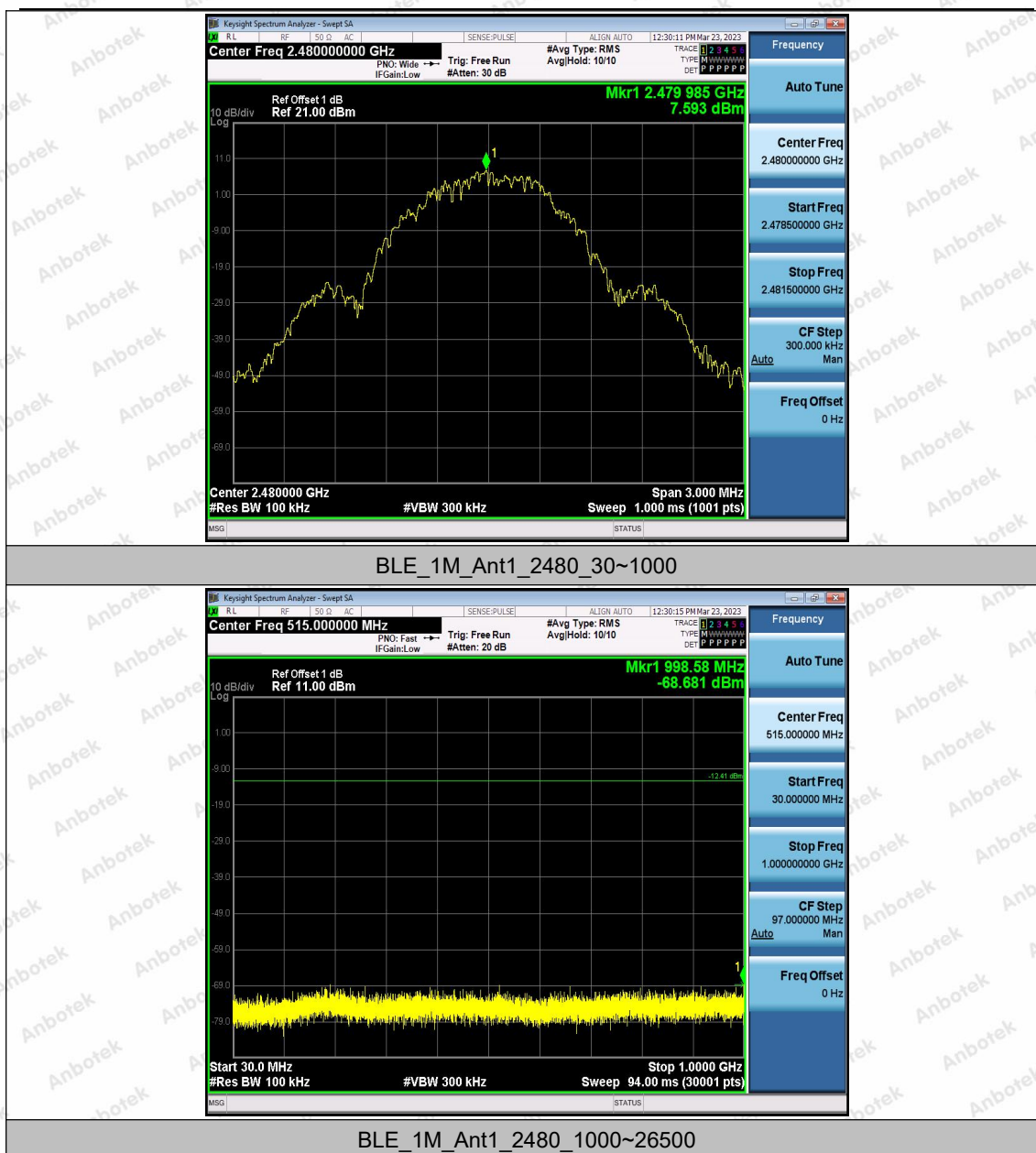
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000





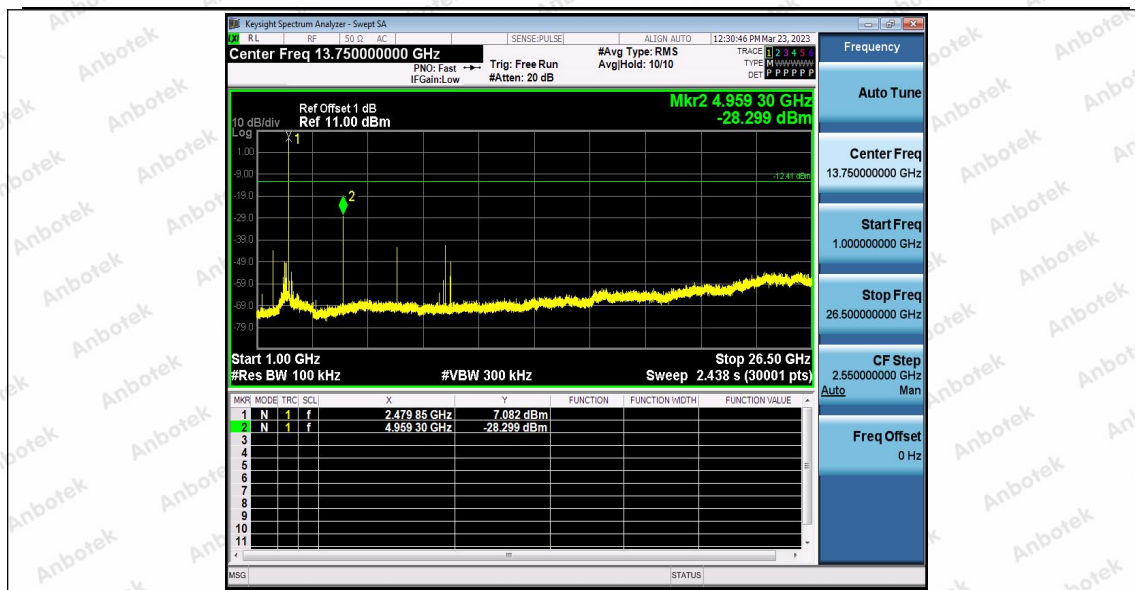
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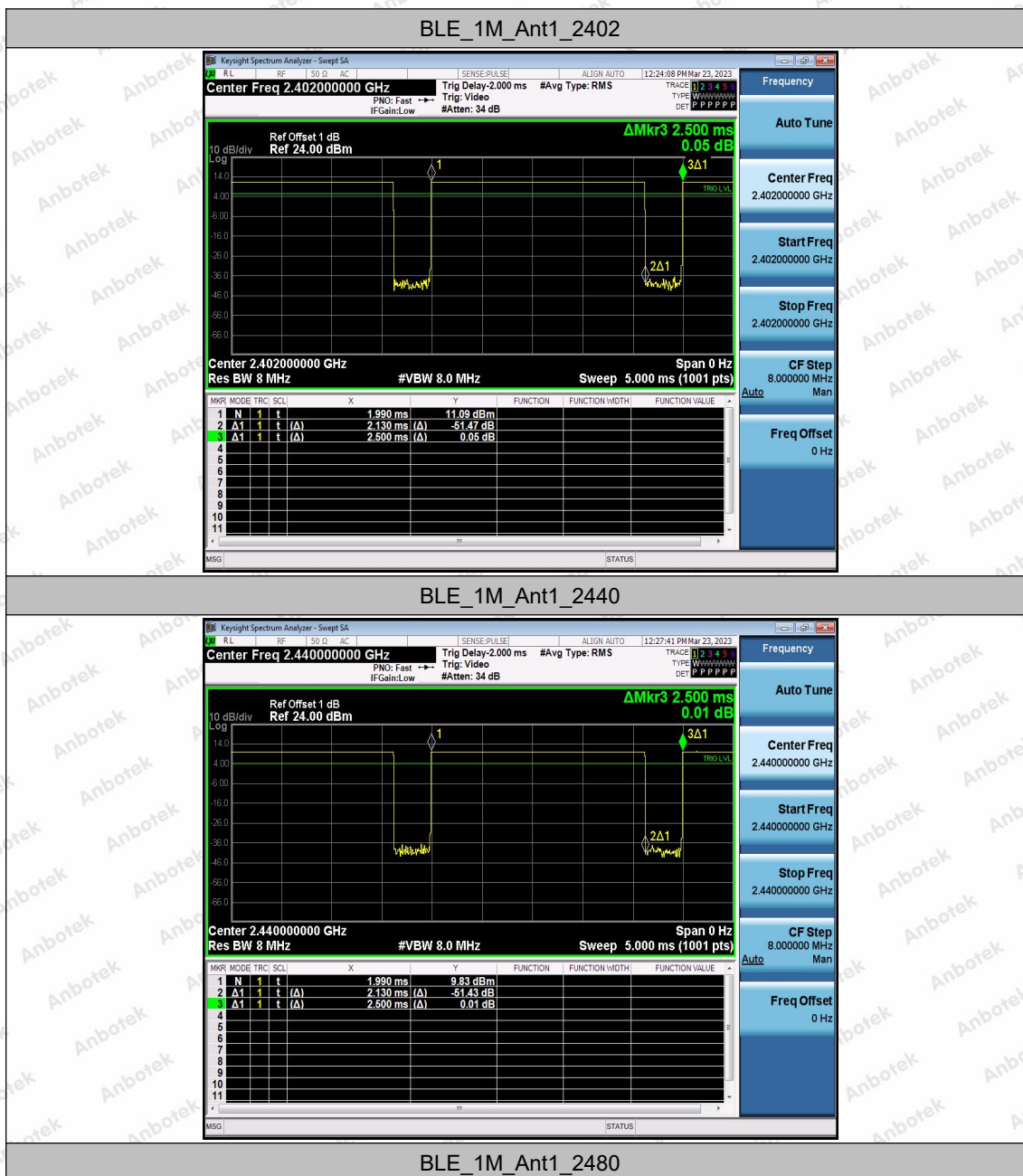
Appendix G: Duty Cycle

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



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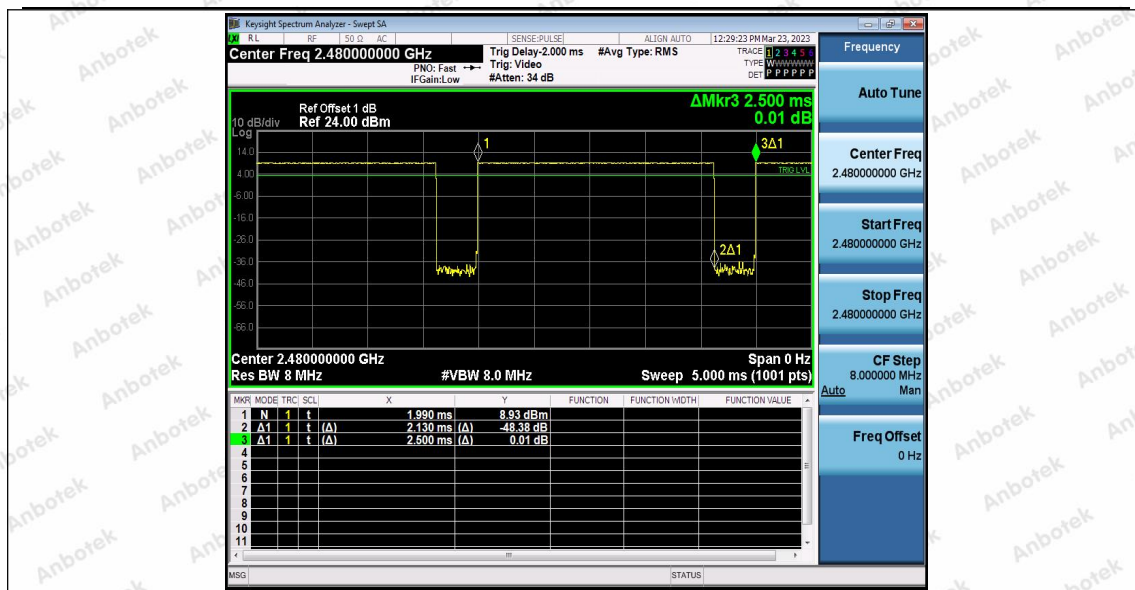


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