

Appendix Test Data

Report No.:	18220WC30047101	Test Sample No.:	1-2-2
Start Test Date:	2023.03.28	Finish Test Date:	2023.03.30
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.9℃	Relative Humidity:	54%
Pressure:	1012 hPa		

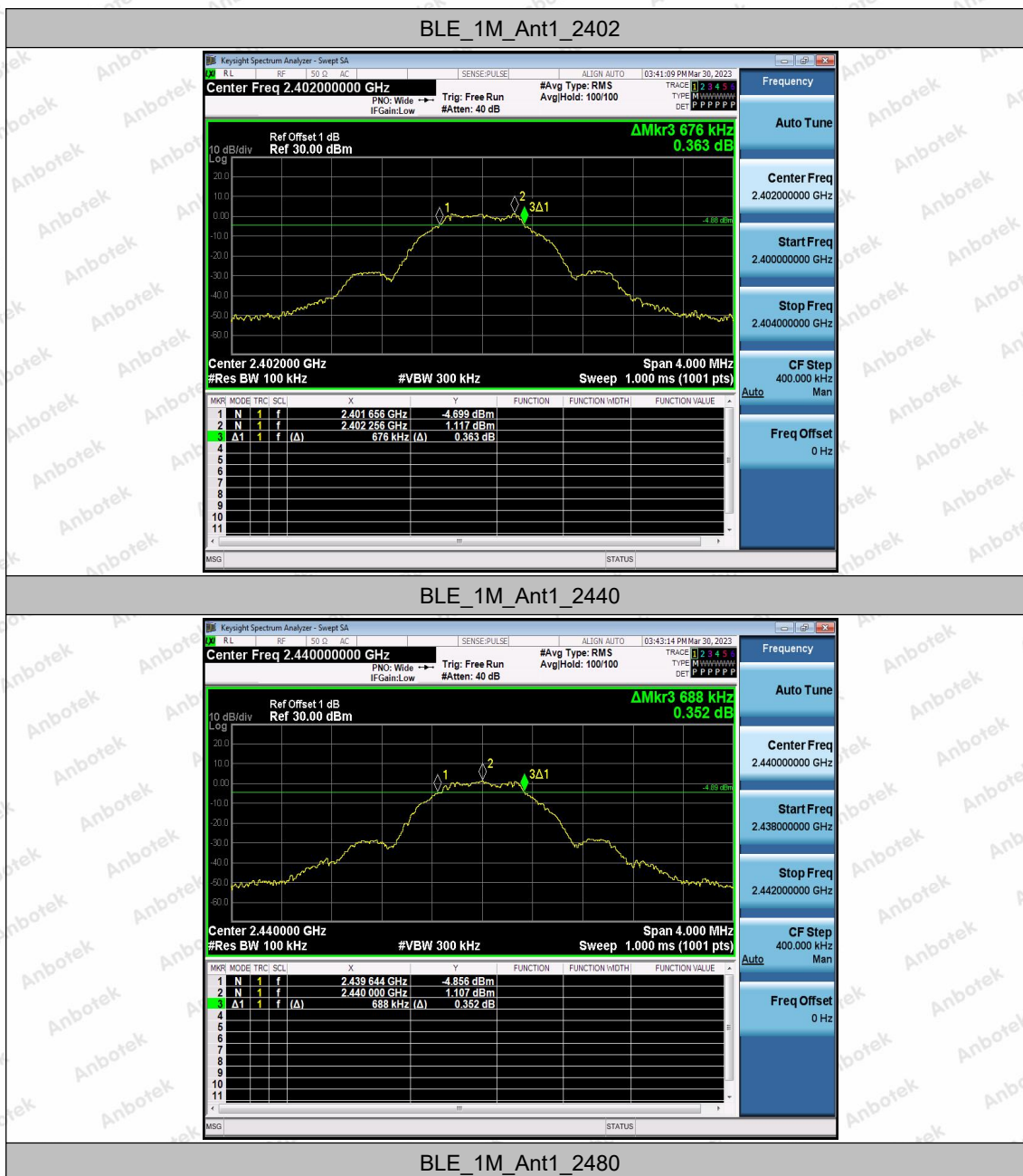
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.676	2401.656	2402.332	0.5	PASS
		2440	0.688	2439.644	2440.332	0.5	PASS
		2480	0.696	2479.644	2480.340	0.5	PASS



Test Graphs



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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0348	2401.4940	2402.5288
		2440	1.0293	2439.4937	2440.5230
		2480	1.0269	2479.4954	2480.5223



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	2.17	≤30	PASS
		2440	2.06	≤30	PASS
		2480	1.36	≤30	PASS

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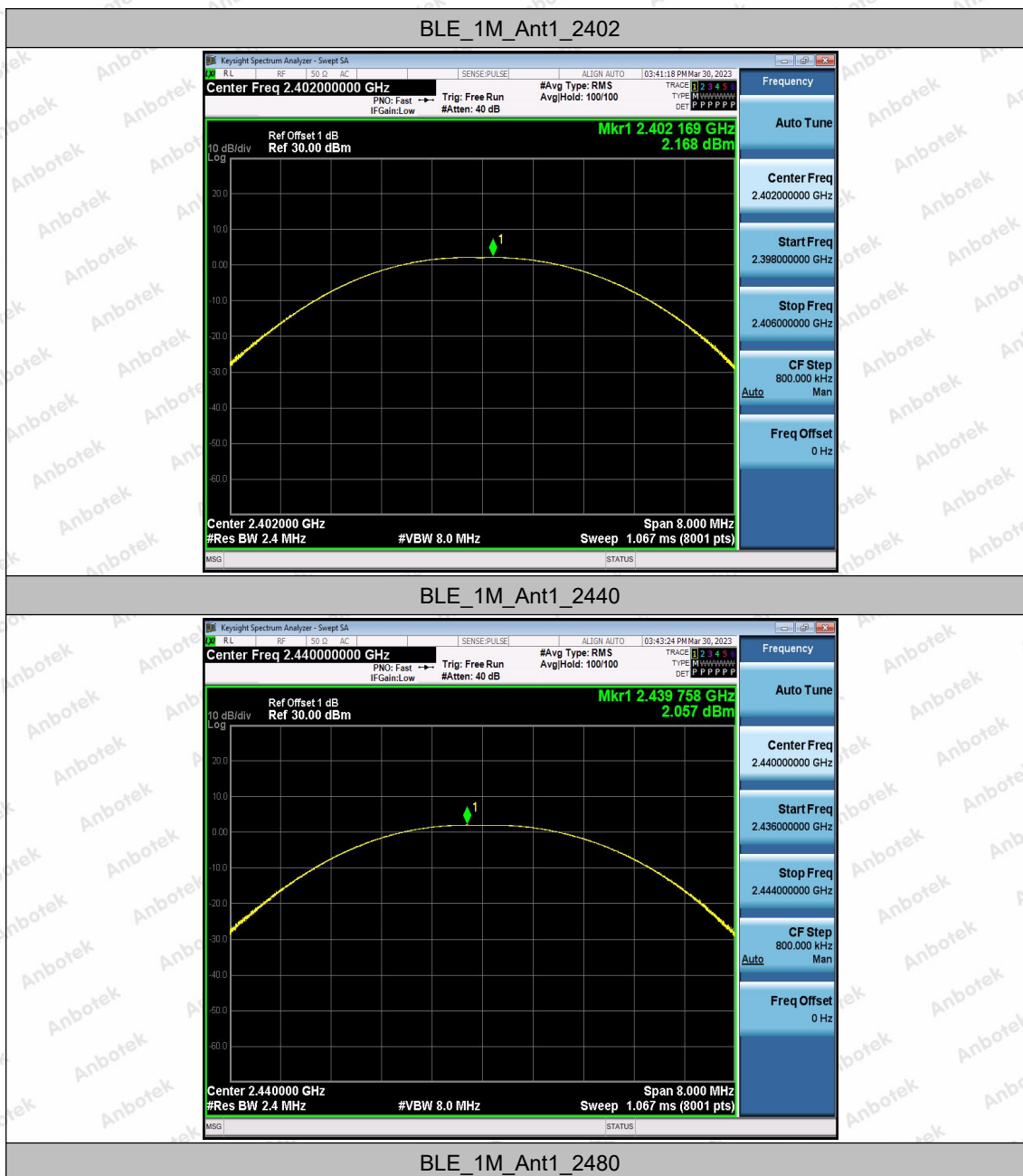
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Test Graphs Peak



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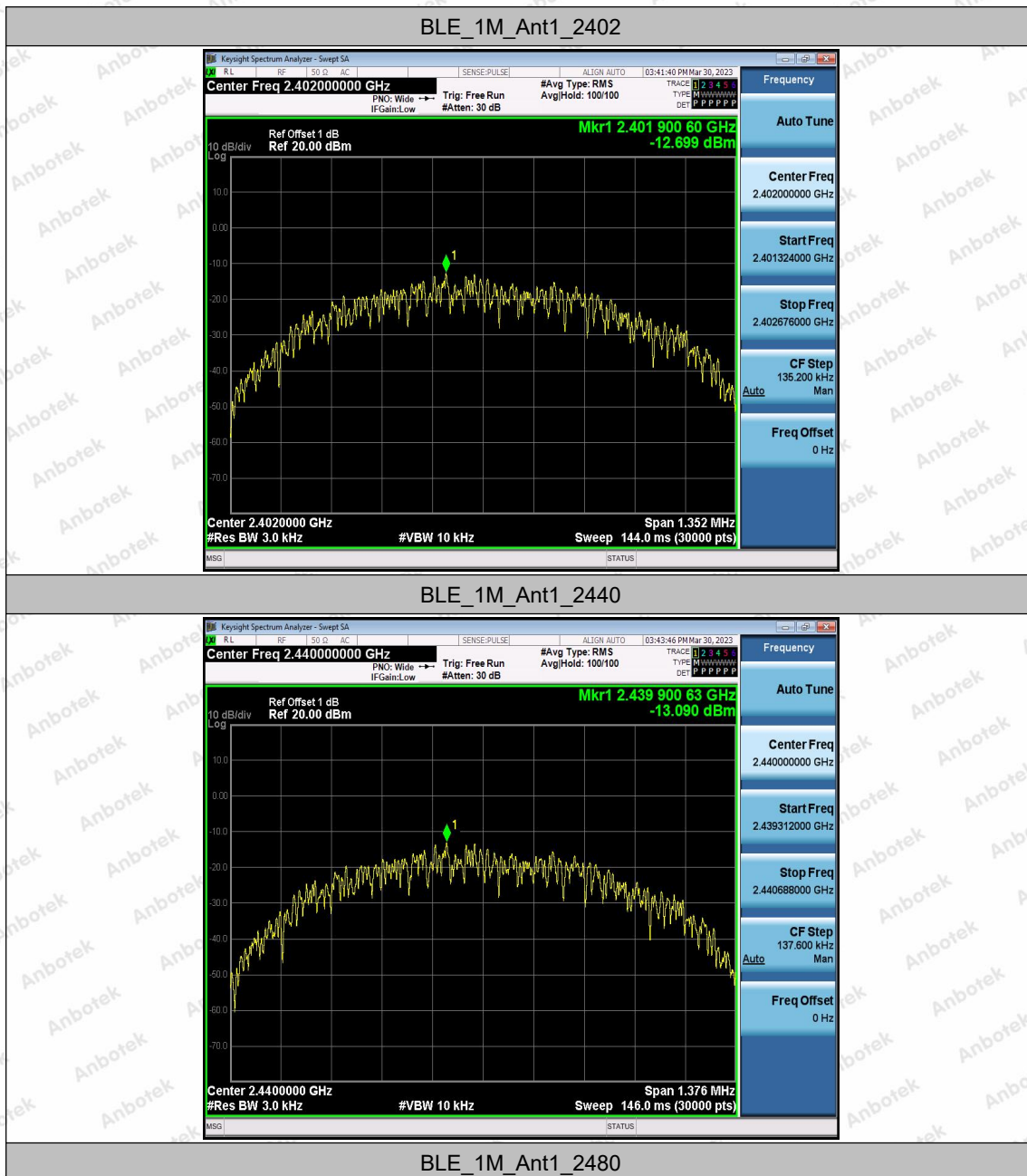
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.7	≤8.00	PASS
		2440	-13.09	≤8.00	PASS
		2480	-13.83	≤8.00	PASS



Test Graphs



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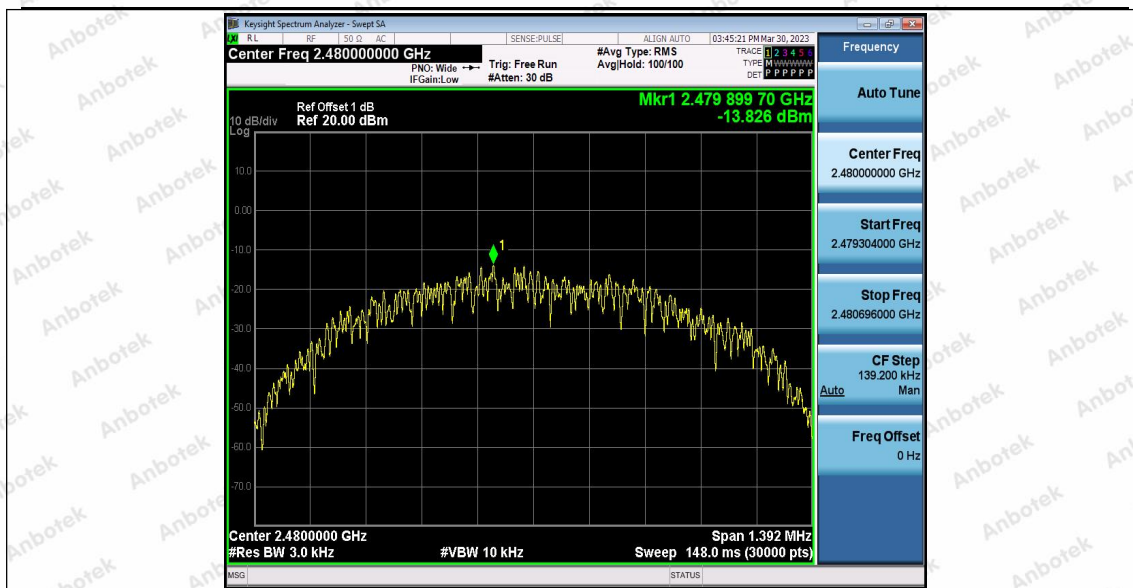


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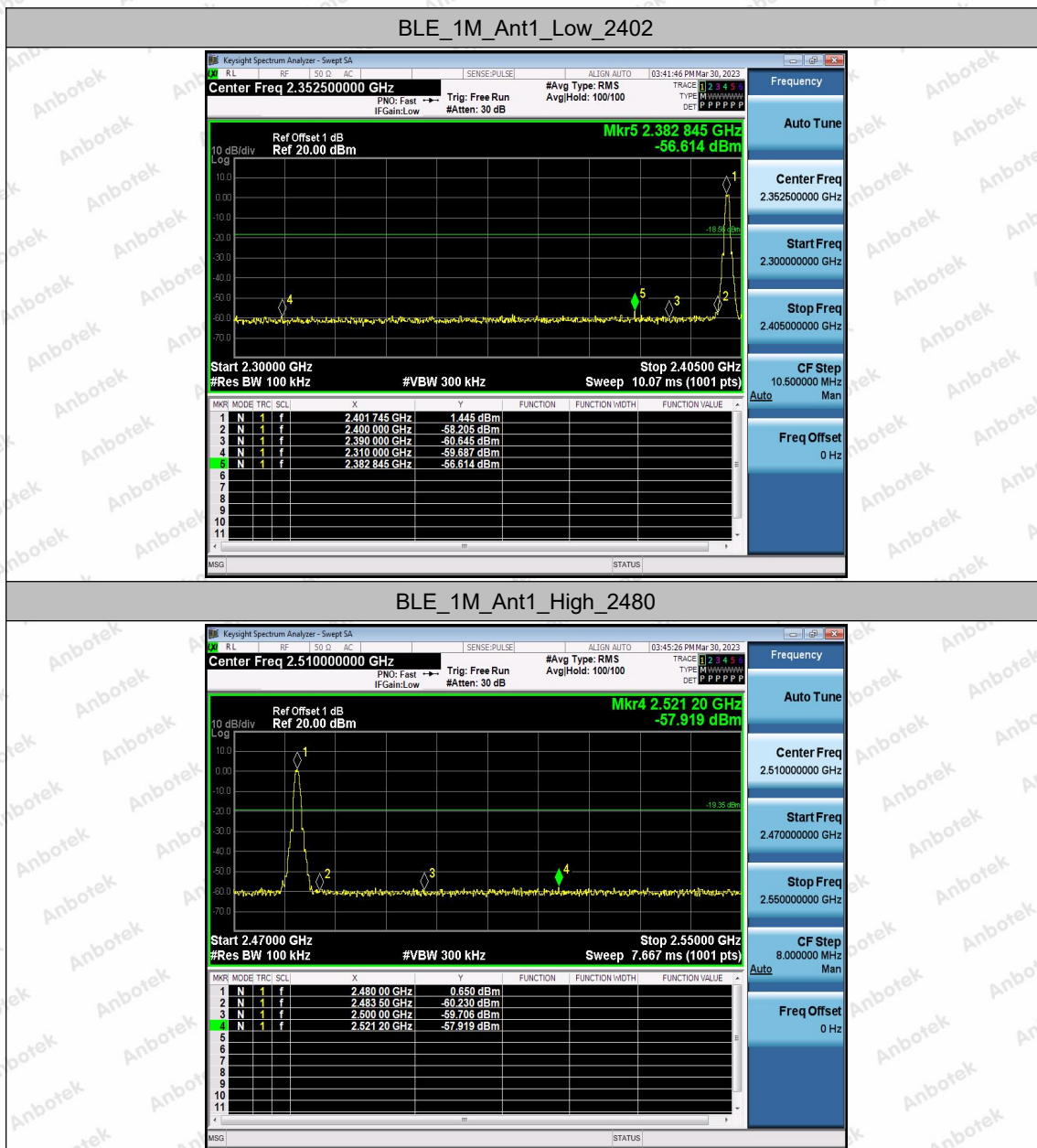


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.45	-56.61	≤-18.56	PASS
		High	2480	0.65	-57.92	≤-19.35	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	1.03	1.03	---	PASS
			30~1000	1.03	-68.86	≤-18.97	PASS
			1000~26500	1.03	-52.83	≤-18.97	PASS
		2440	Reference	-0.12	-0.12	---	PASS
			30~1000	-0.12	-67.83	≤-20.12	PASS
			1000~26500	-0.12	-53.19	≤-20.12	PASS
		2480	Reference	-0.56	-0.56	---	PASS
			30~1000	-0.56	-69.34	≤-20.56	PASS
			1000~26500	-0.56	-53.5	≤-20.56	PASS

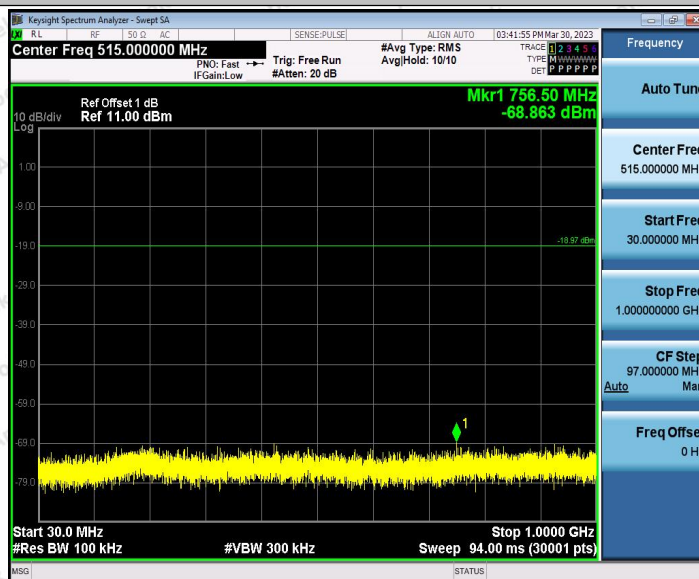


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

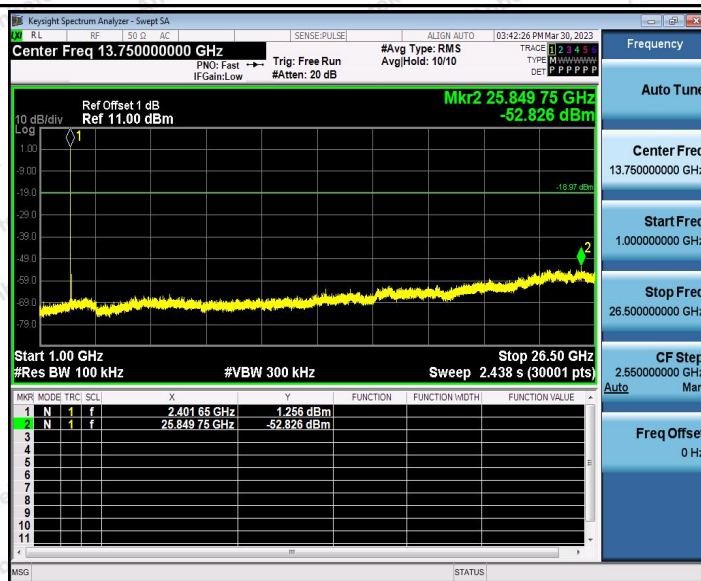
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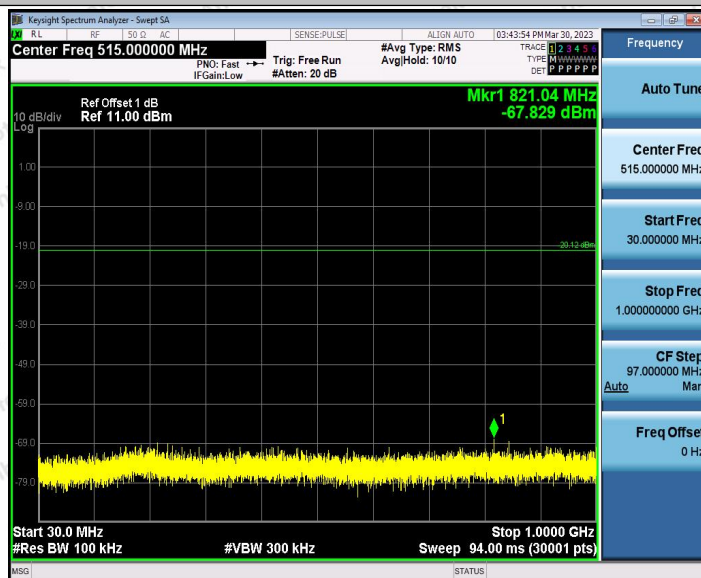




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



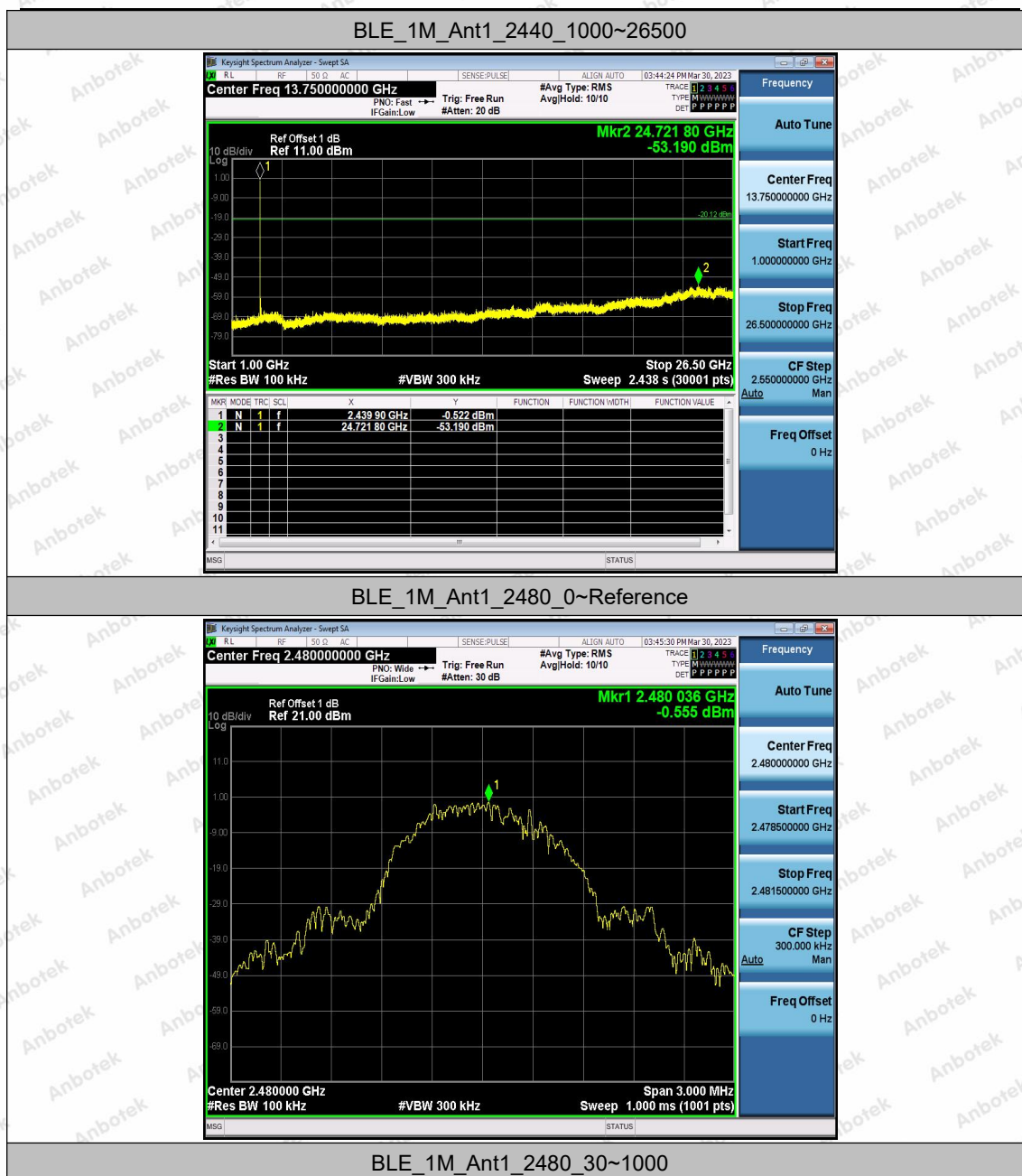
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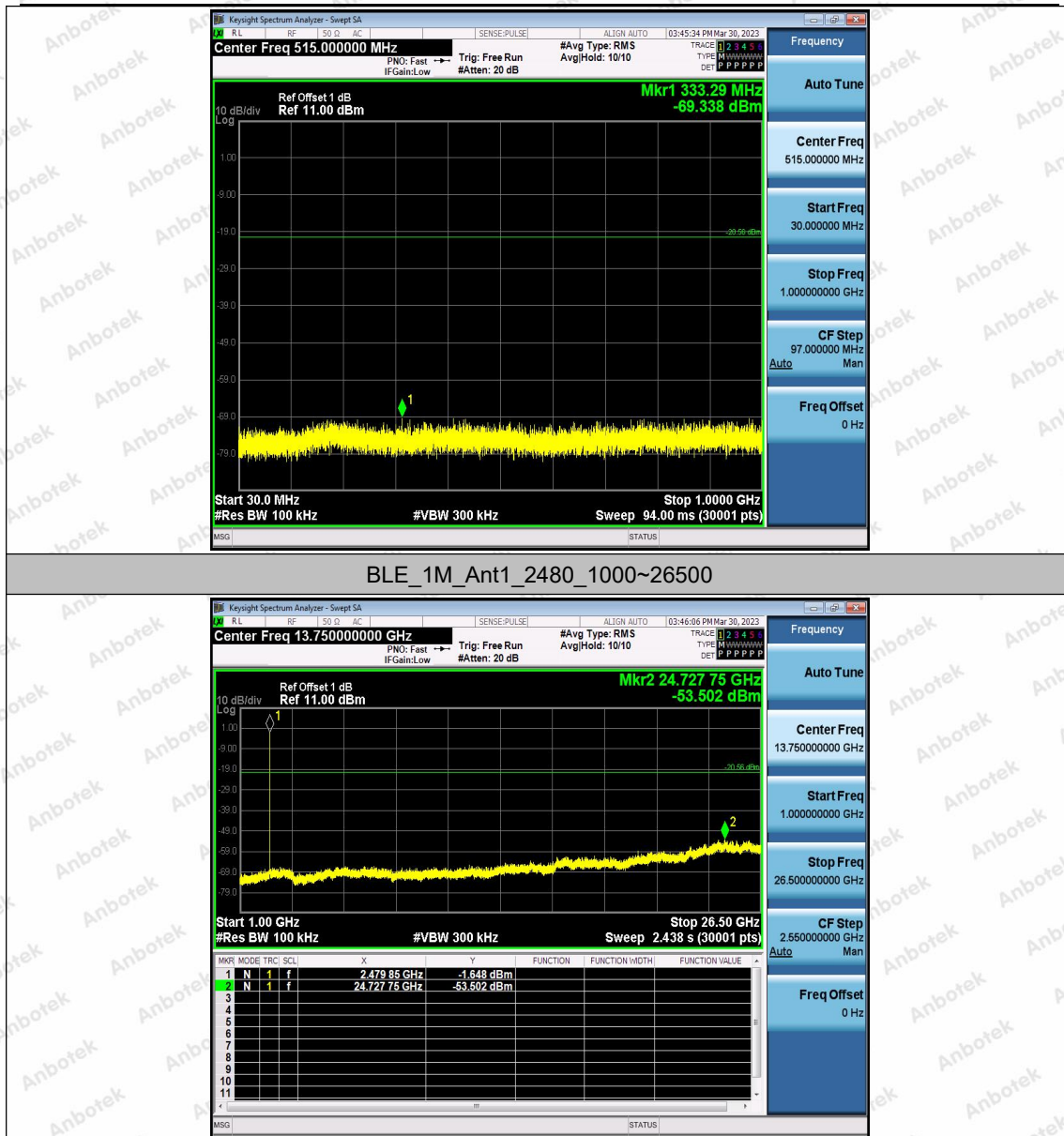


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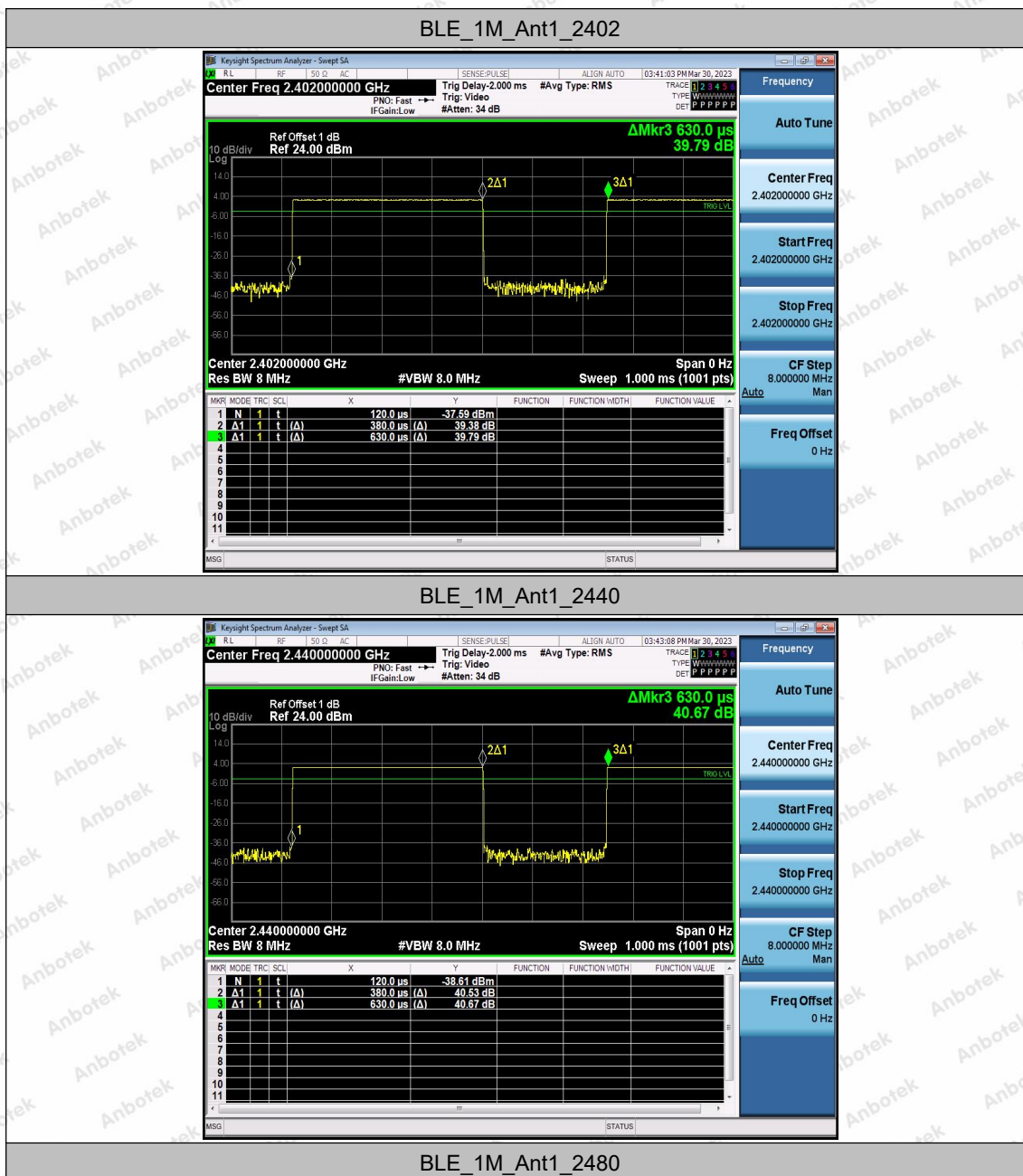
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	0.63	60.32	2.20
		2440	0.38	0.63	60.32	2.20
		2480	0.38	0.63	60.32	2.20



Test Graphs



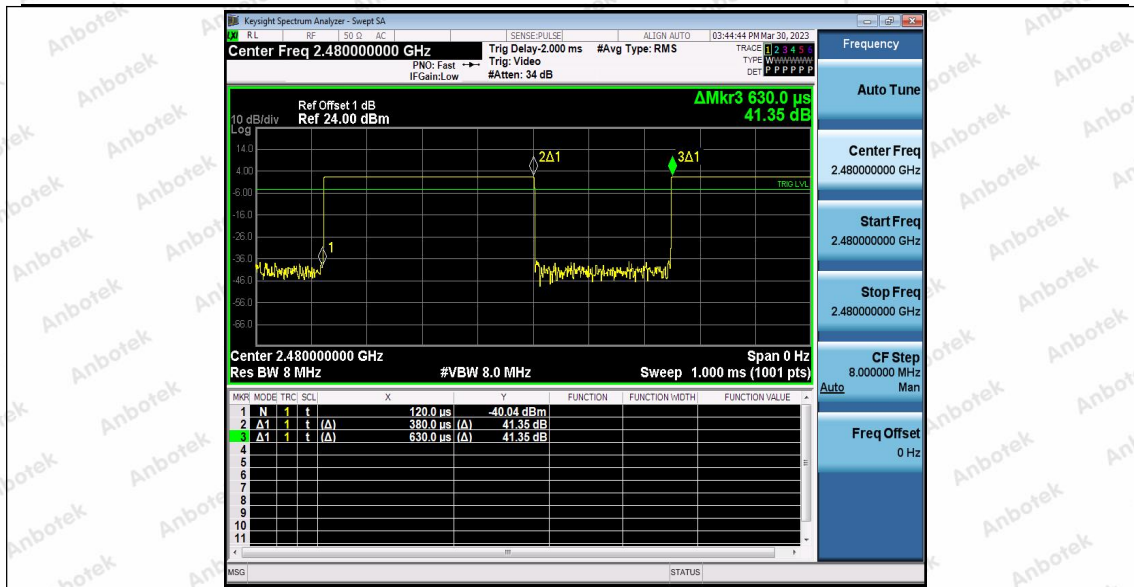
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