

Appendix Test Data

Report No.:	18220WC20137201	Test Sample No.:	1-2-2
Start Test Date:	2022.6.28	Finish Test Date:	2022.7.11
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3C°	Relative Humidity:	57.1 %
Pressure:	1012 hPa		

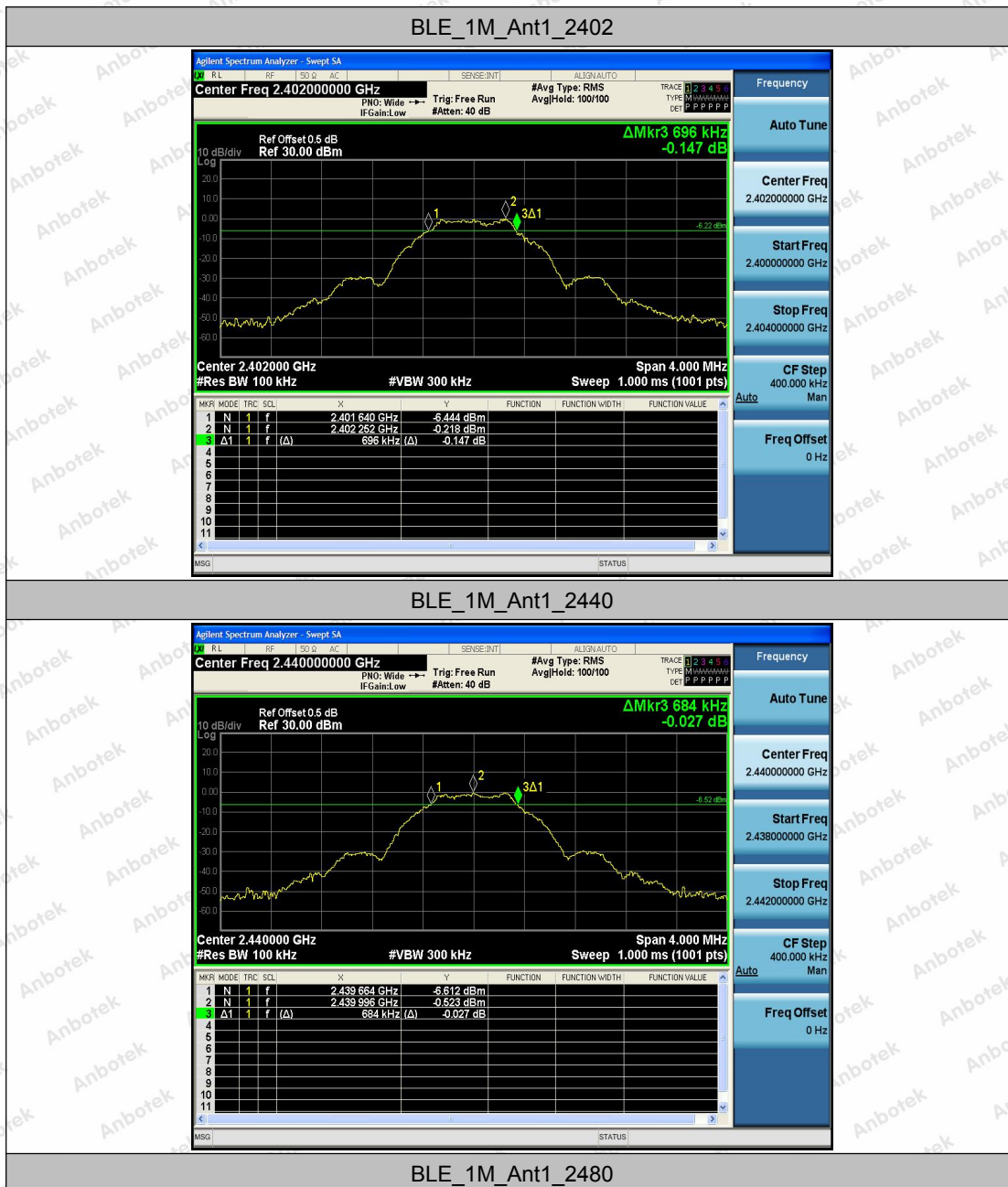
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.696	2401.640	2402.336	≥0.5	PASS
		2440	0.684	2439.664	2440.348	≥0.5	PASS
		2480	0.672	2479.660	2480.332	≥0.5	PASS



Test Graphs



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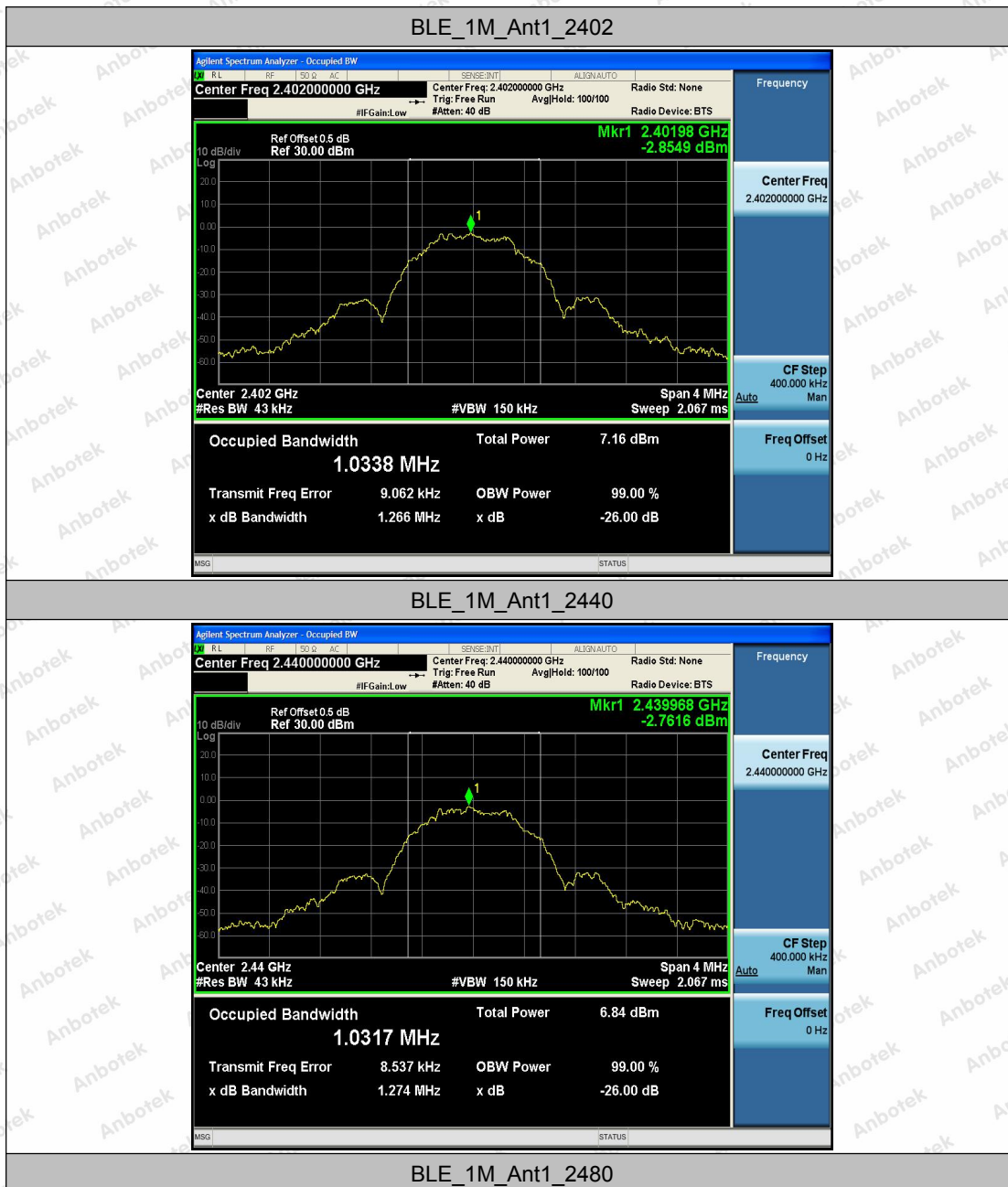
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0338	2401.492	2402.526	---	PASS
		2440	1.0317	2439.493	2440.524	---	PASS
		2480	1.0279	2479.494	2480.522	---	PASS



Test Graphs



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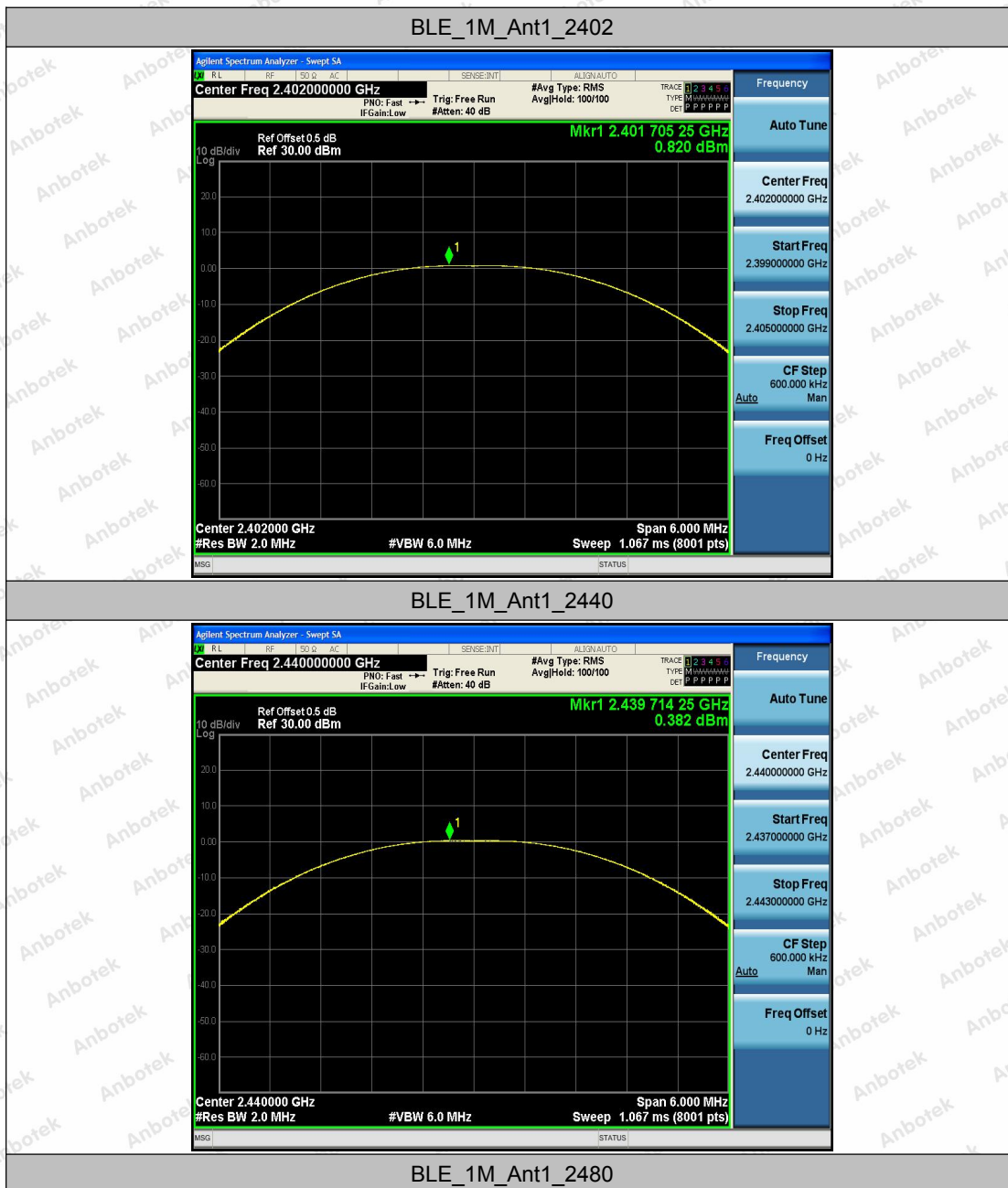
Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.82	≤30	PASS
		2440	0.38	≤30	PASS
		2480	0.35	≤30	PASS



Test Graphs



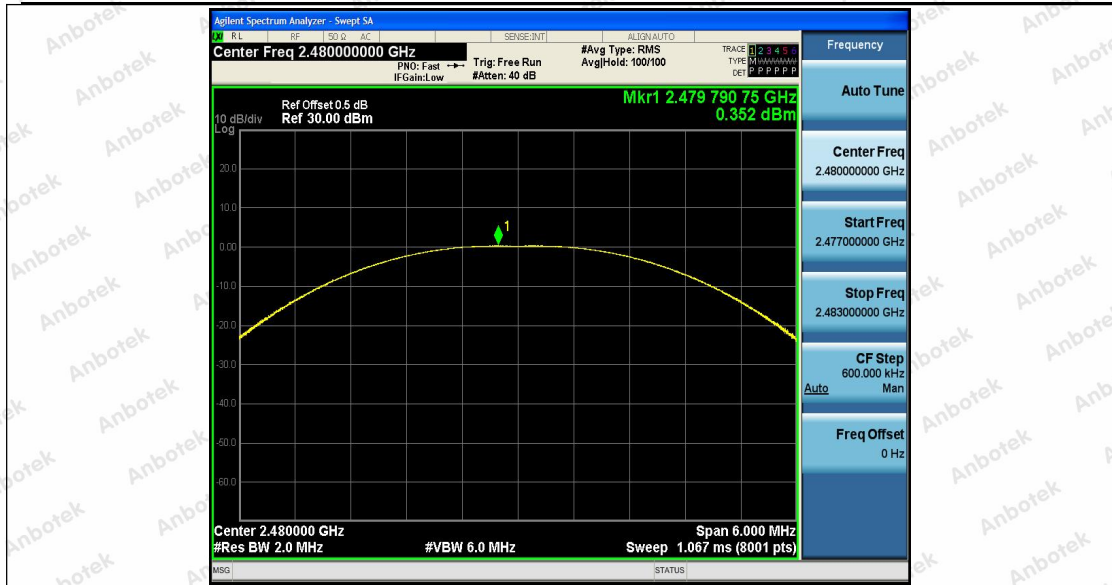
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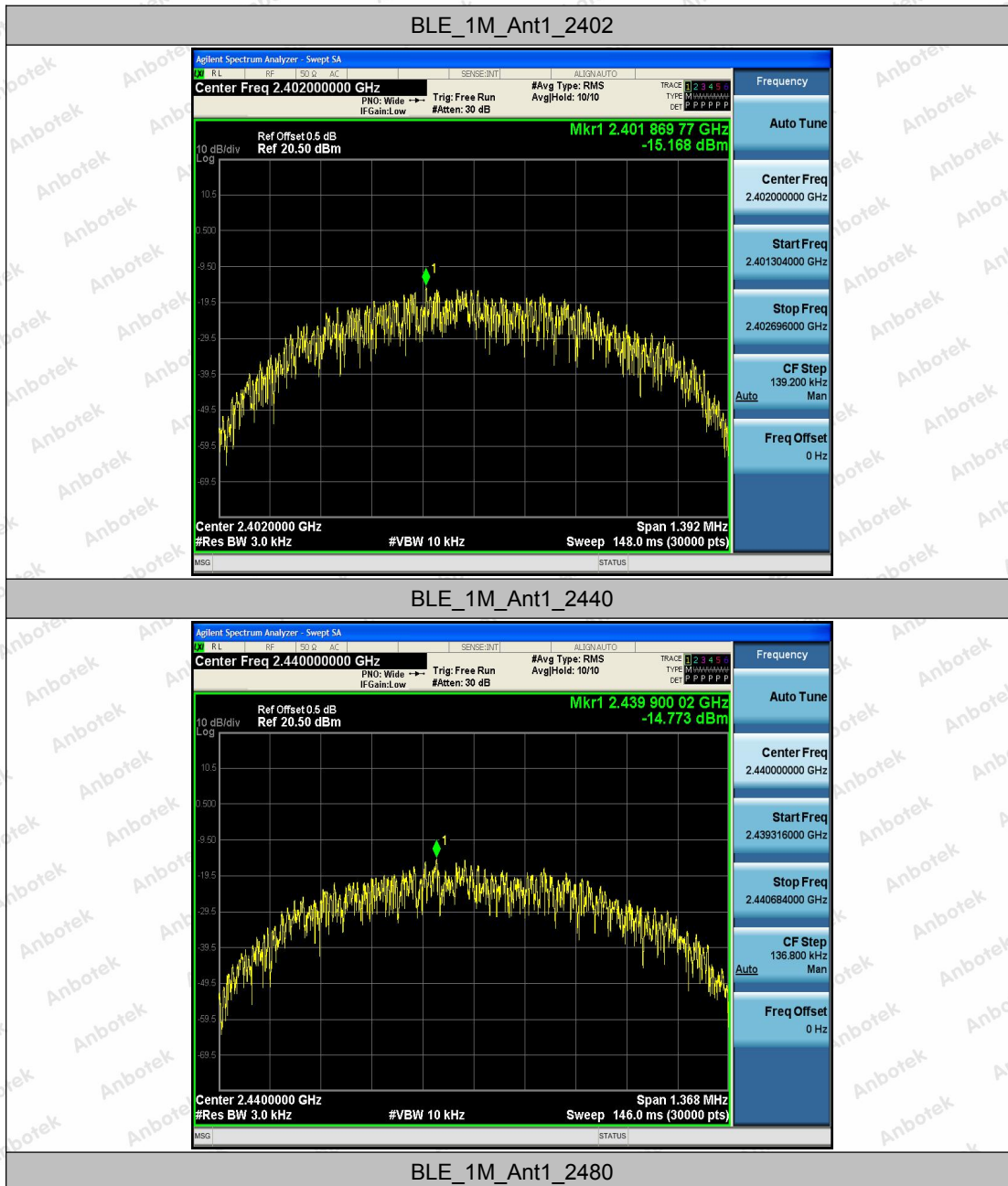
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.17	≤8	PASS
		2440	-14.77	≤8	PASS
		2480	-14.92	≤8	PASS



Test Graphs



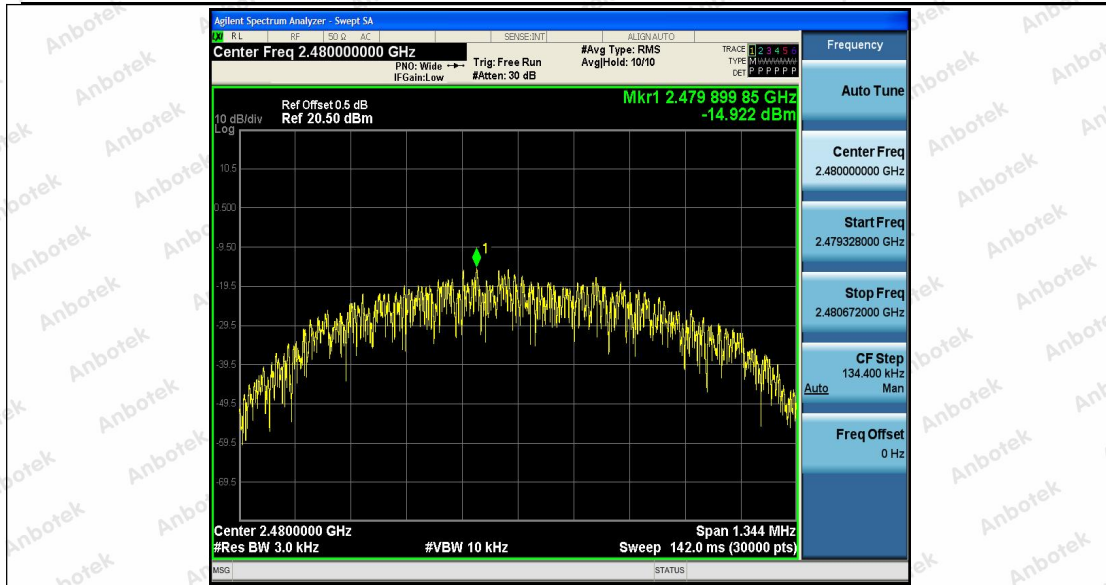
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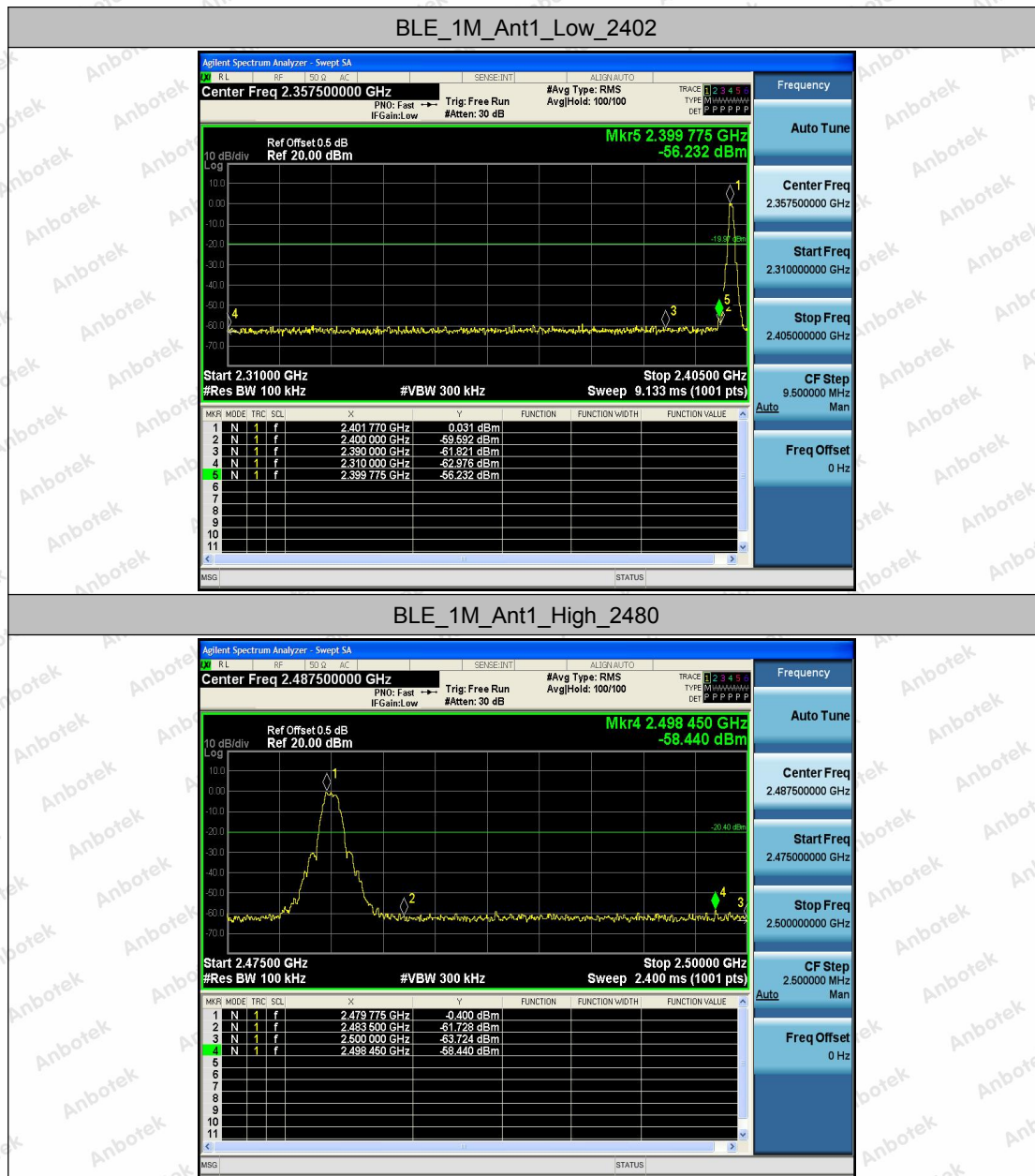
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.03	-56.23	≤-19.97	PASS
		High	2480	-0.40	-58.44	≤-20.4	PASS



Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.21	-0.21	---	PASS
			30~1000	-0.21	-69.78	≤-20.21	PASS
			1000~265 00	-0.21	-54.1	≤-20.21	PASS
		2440	Reference	-0.61	-0.61	---	PASS
			30~1000	-0.61	-69.83	≤-20.61	PASS
			1000~265 00	-0.61	-55.21	≤-20.61	PASS
		2480	Reference	-0.55	-0.55	---	PASS
			30~1000	-0.55	-70.06	≤-20.55	PASS
			1000~265 00	-0.55	-54.32	≤-20.55	PASS



Test Graphs



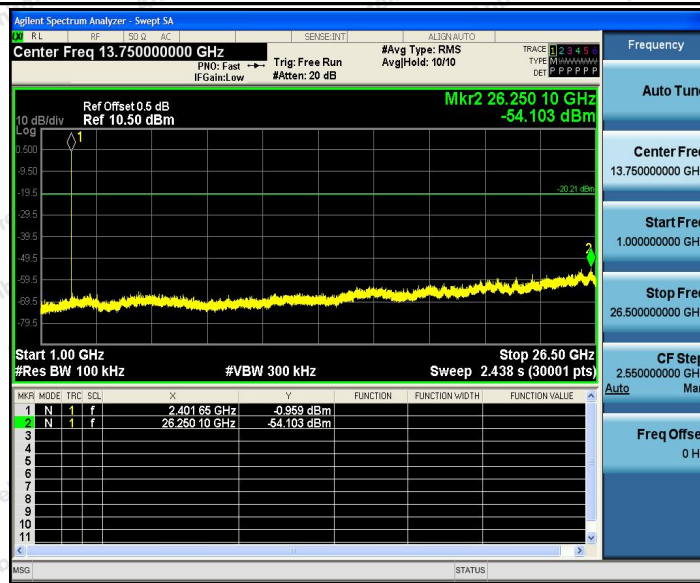
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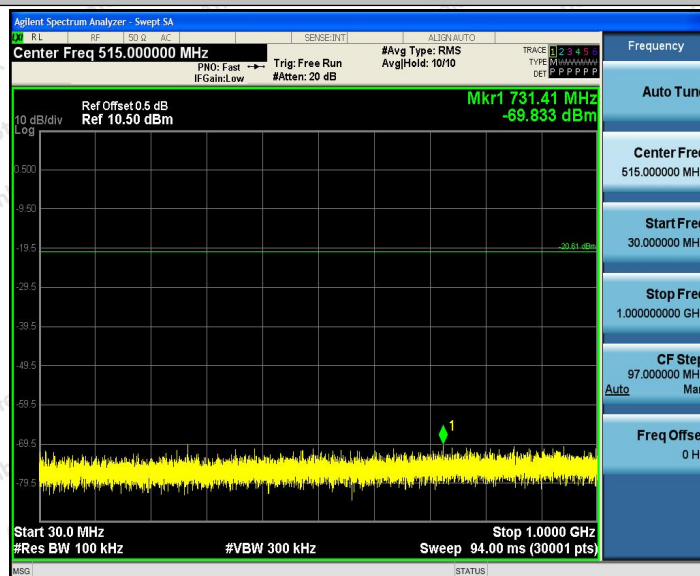




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



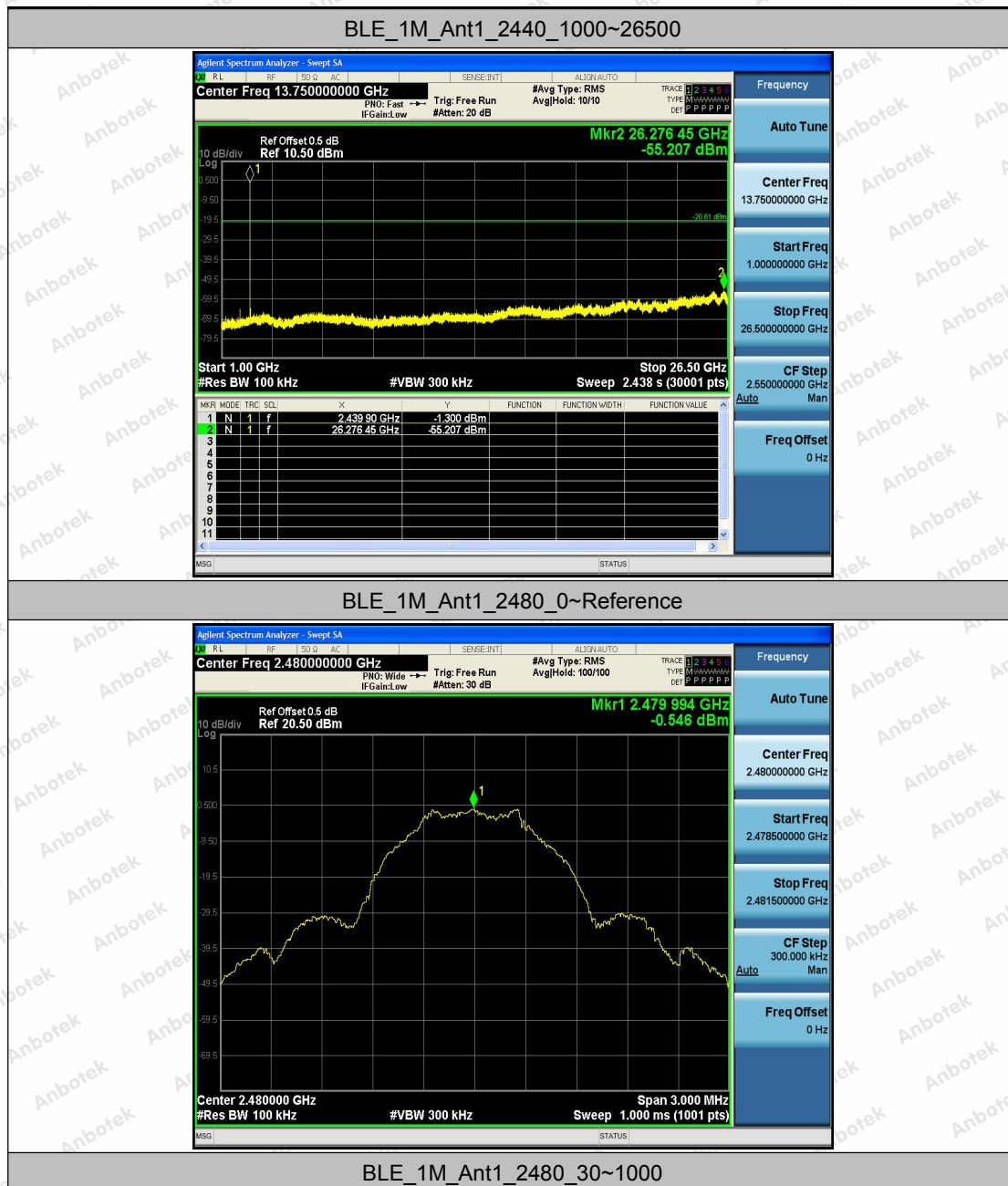
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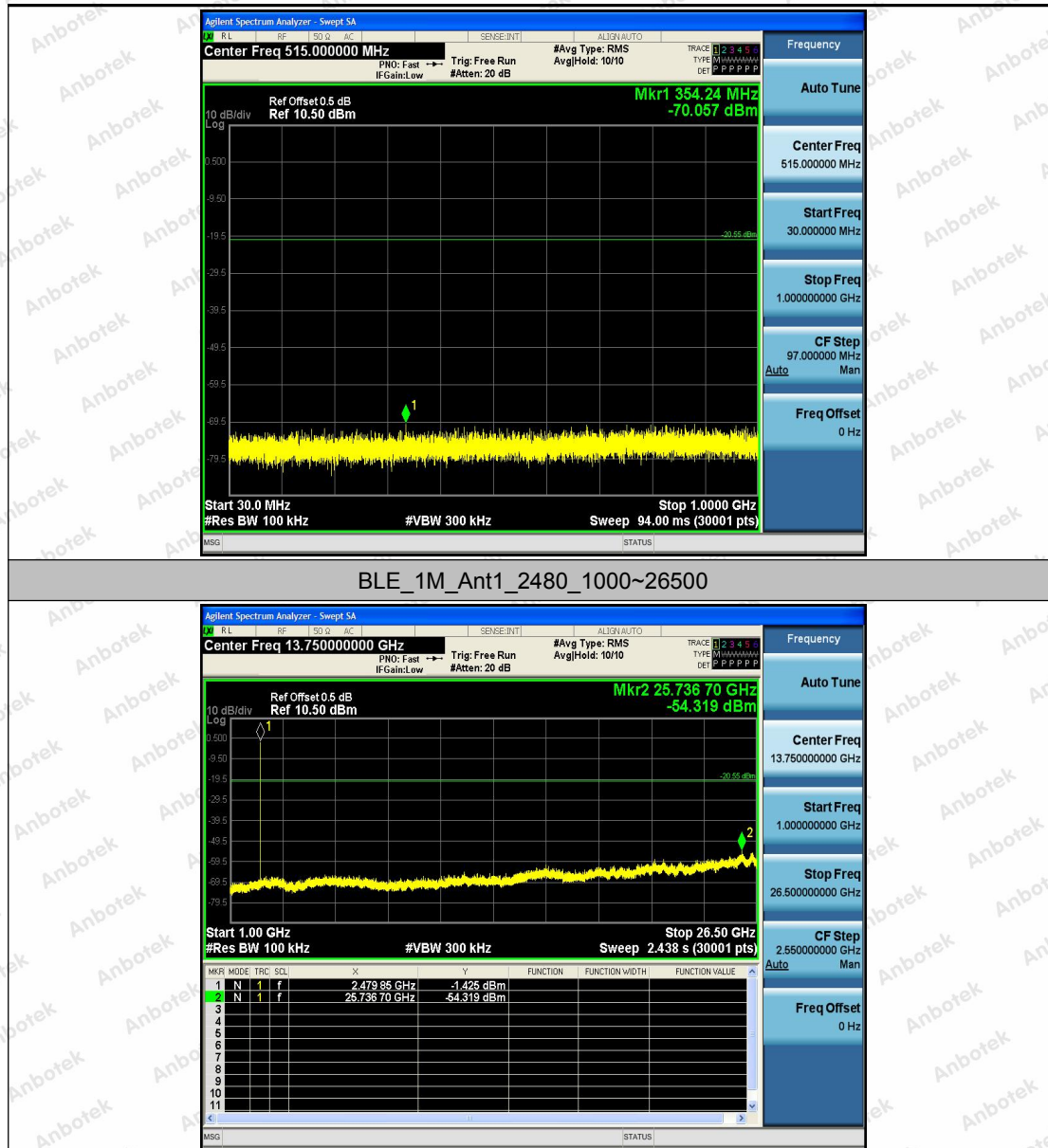
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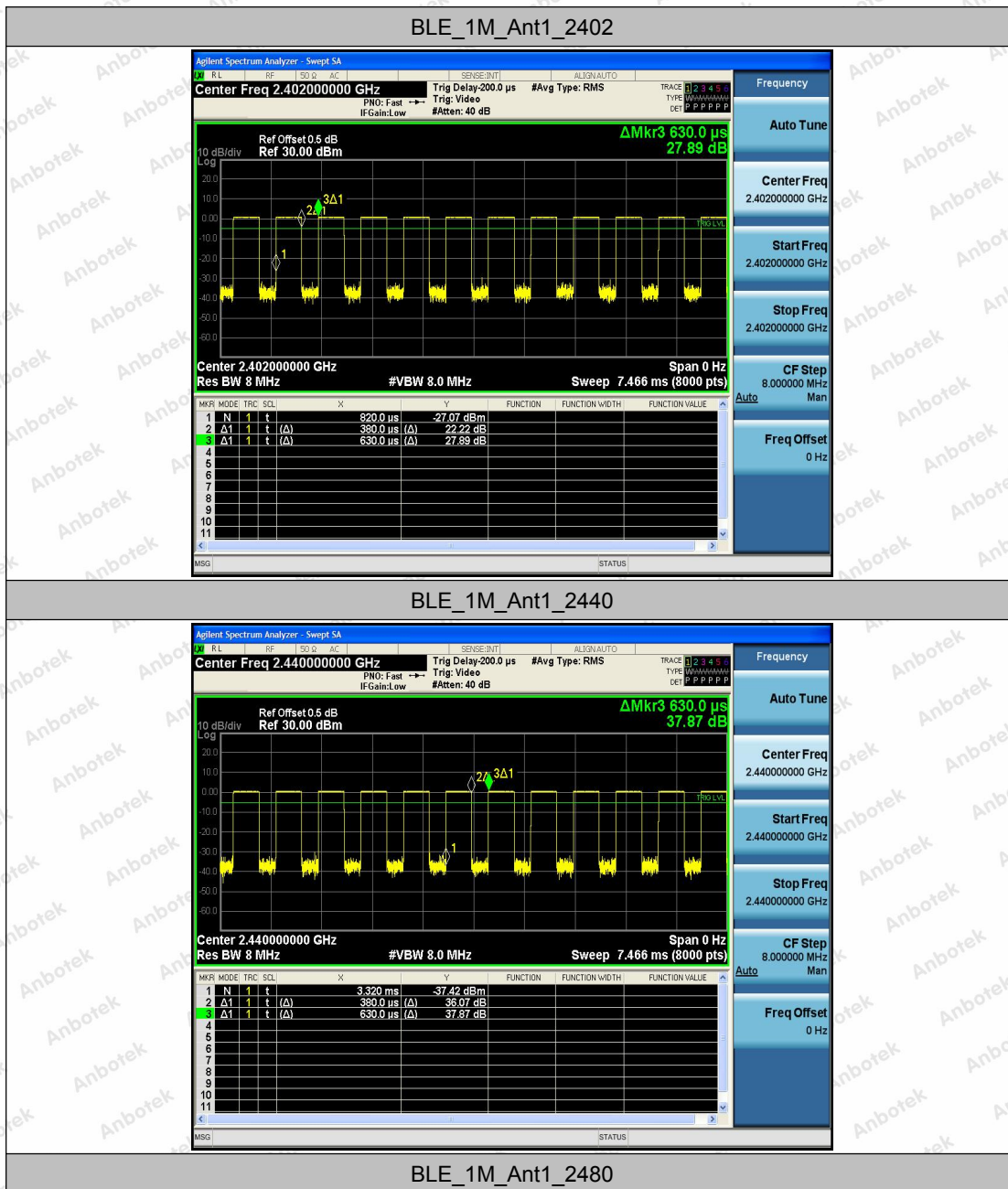
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.63	0.603 2	60.32	2.20	---	PASS
		2440	0.38	0.63	0.603 2	60.32	2.20	---	PASS
		2480	0.38	0.62	0.612 9	61.29	2.13	---	PASS



Test Graphs



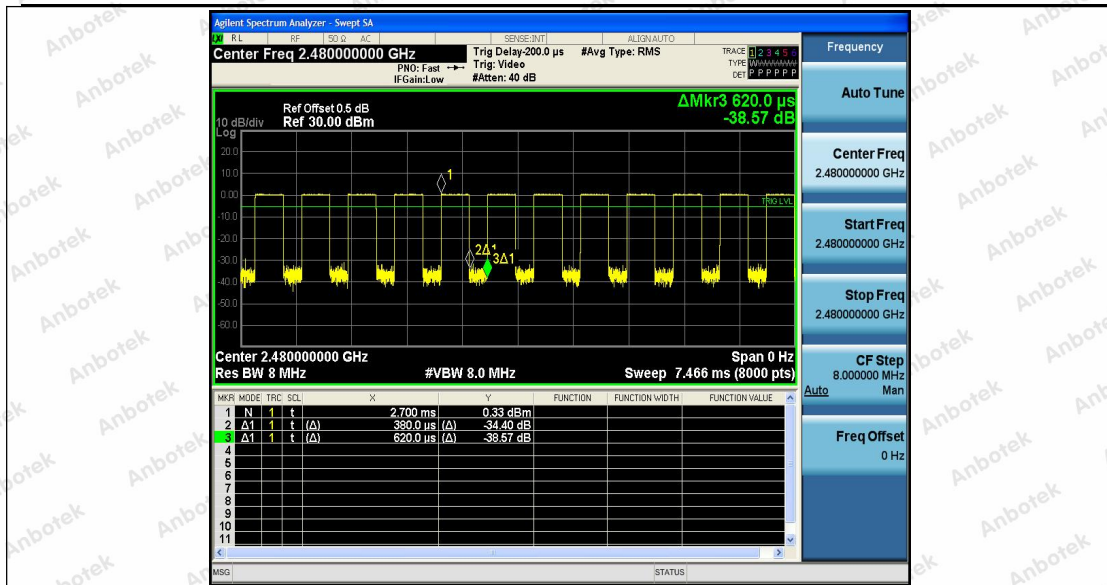
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