

Appendix Test Data

Report No.:	18220WC20122602	Test Sample No.:	1-2-2
Start Test Date:	2022.6.10	Finish Test Date:	2022.6.15
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	57.2 %
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	0.688	2401.656	2402.344	≥0.5	PASS
		2440	0.692	2439.644	2440.336	≥0.5	PASS
		2480	0.708	2479.624	2480.332	≥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	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0569	2401.483	2402.540	---	PASS
		2440	1.0537	2439.472	2440.526	---	PASS
		2480	1.0521	2479.473	2480.525	---	PASS



Test Graphs



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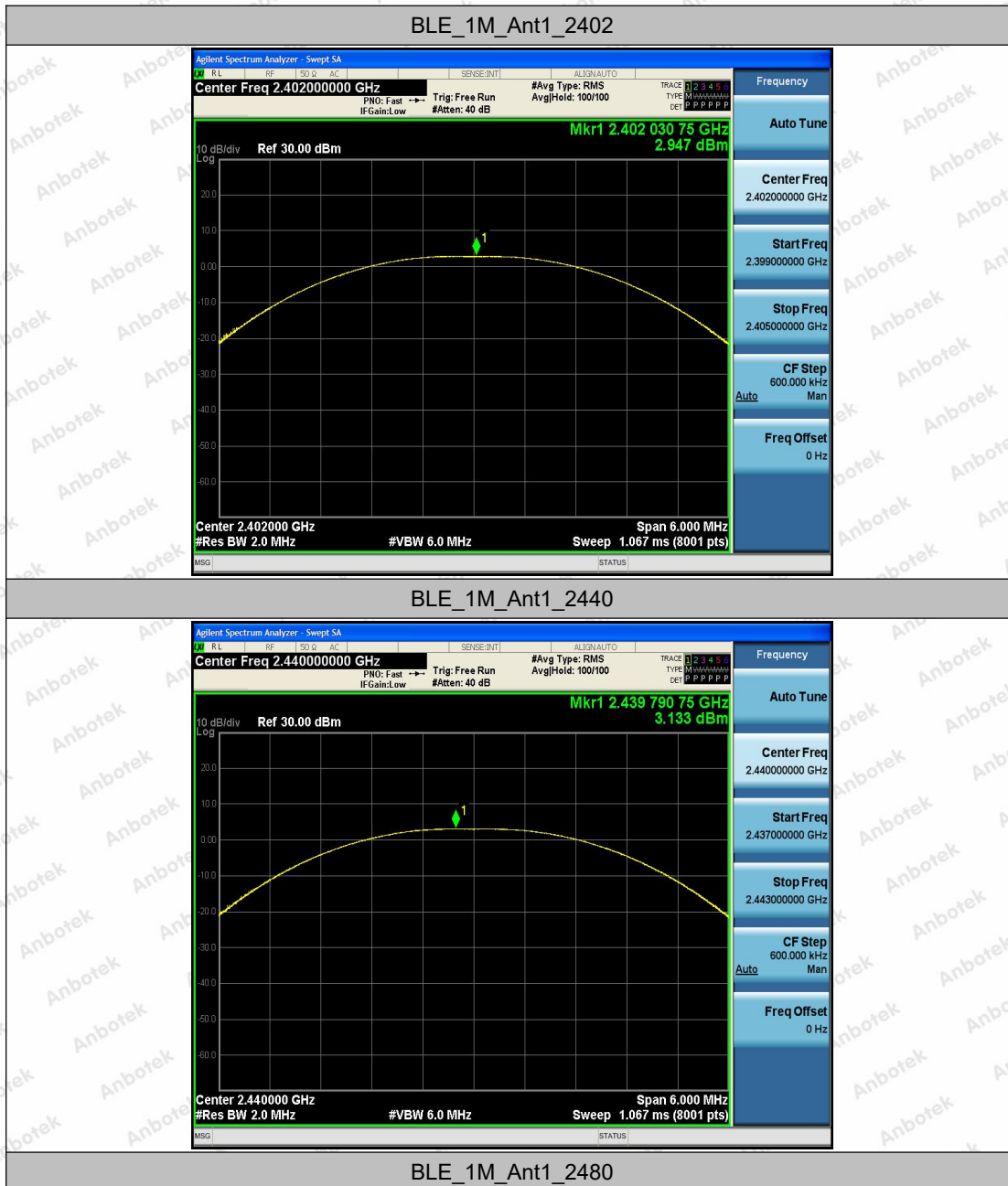
Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.95	≤30	PASS
		2440	3.13	≤30	PASS
		2480	2.80	≤30	PASS



Test Graphs



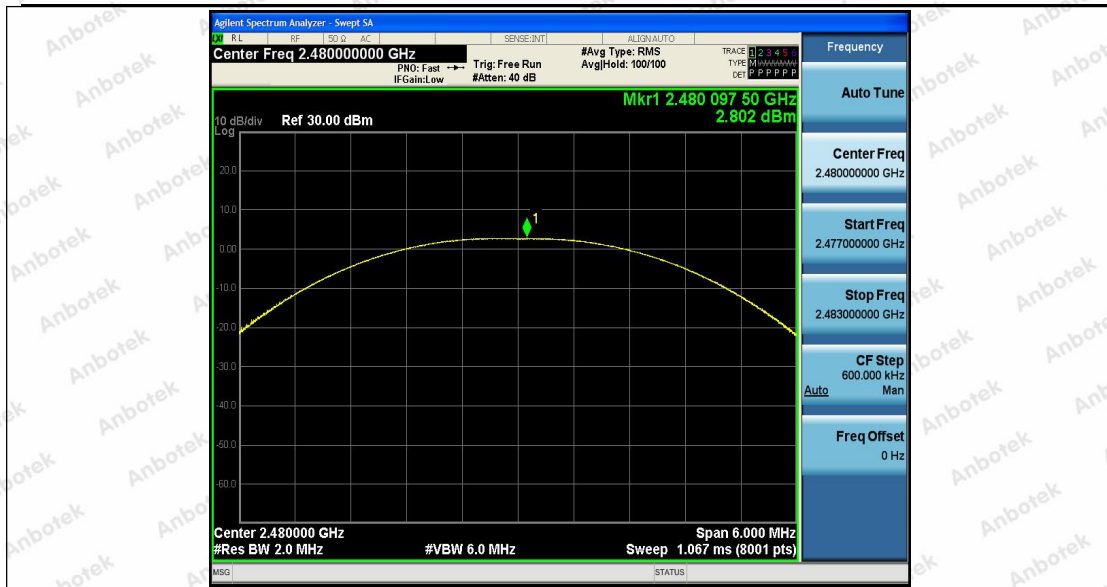
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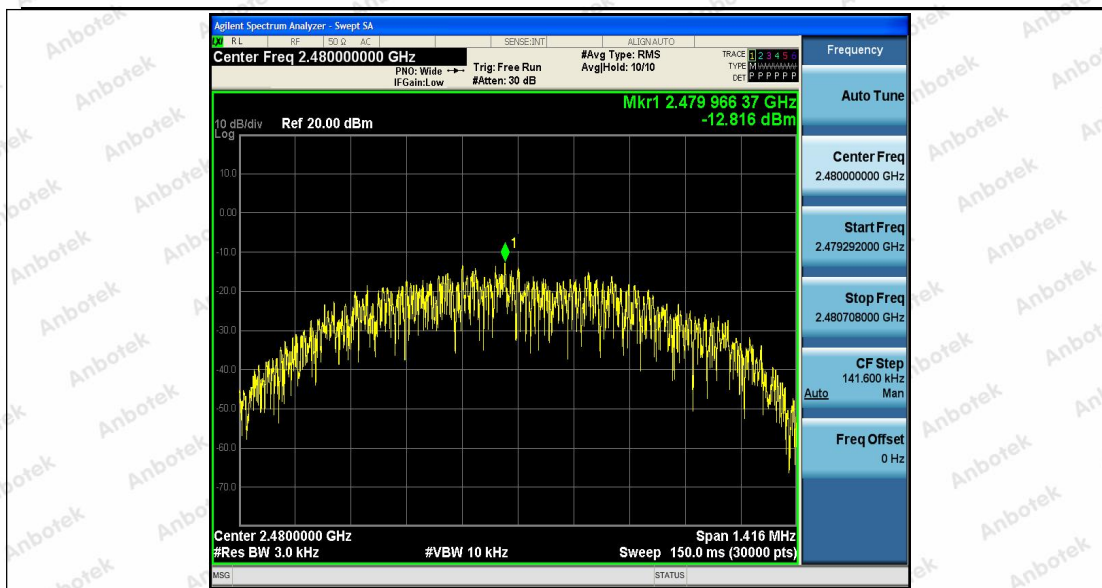
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.70	≤8	PASS
		2440	-13.01	≤8	PASS
		2480	-12.82	≤8	PASS







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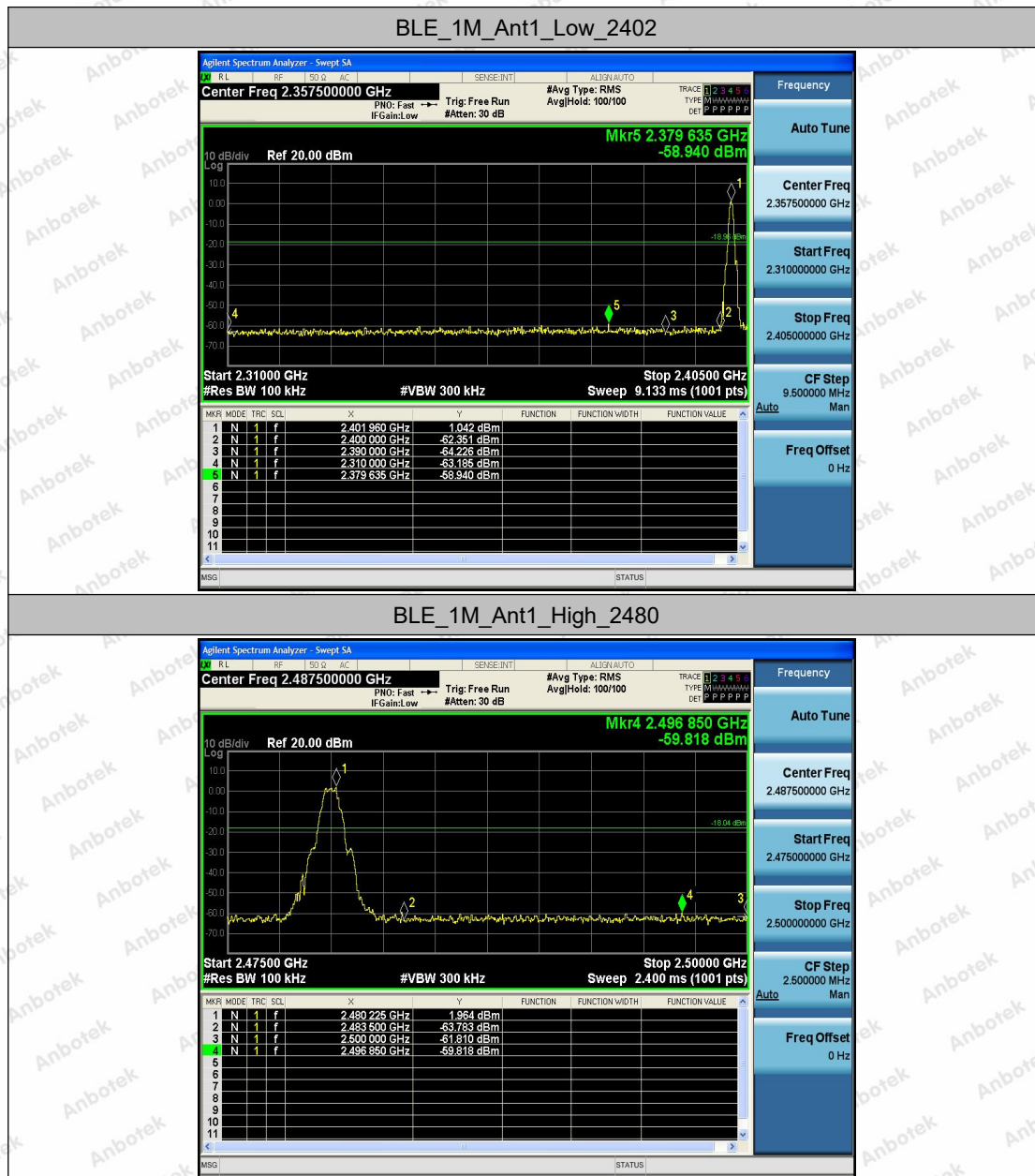
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.04	-58.94	≤-18.96	PASS
		High	2480	1.96	-59.82	≤-18.04	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	1.79	1.79	---	PASS
			30~1000	1.79	-68.92	≤-18.21	PASS
			1000~26500	1.79	-39.16	≤-18.21	PASS
		2440	Reference	2.04	2.04	---	PASS
			30~1000	2.04	-70.5	≤-17.96	PASS
			1000~26500	2.04	-40.97	≤-17.96	PASS
		2480	Reference	1.69	1.69	---	PASS
			30~1000	1.69	-69.78	≤-18.31	PASS
			1000~26500	1.69	-42.79	≤-18.31	PASS

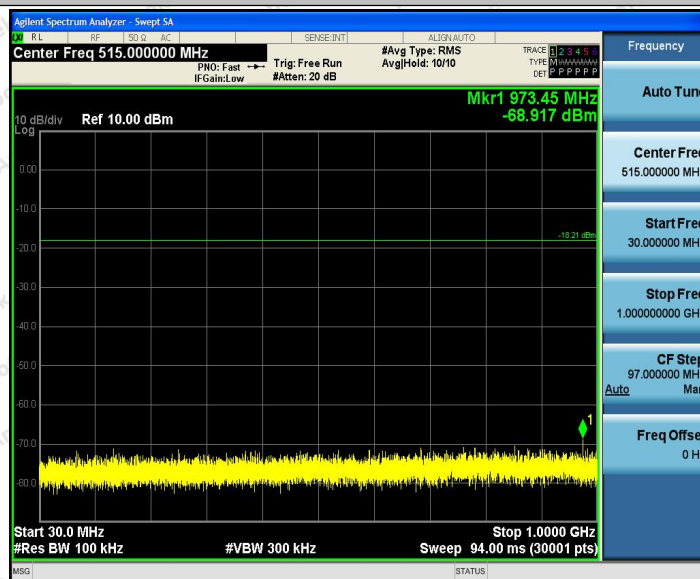


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

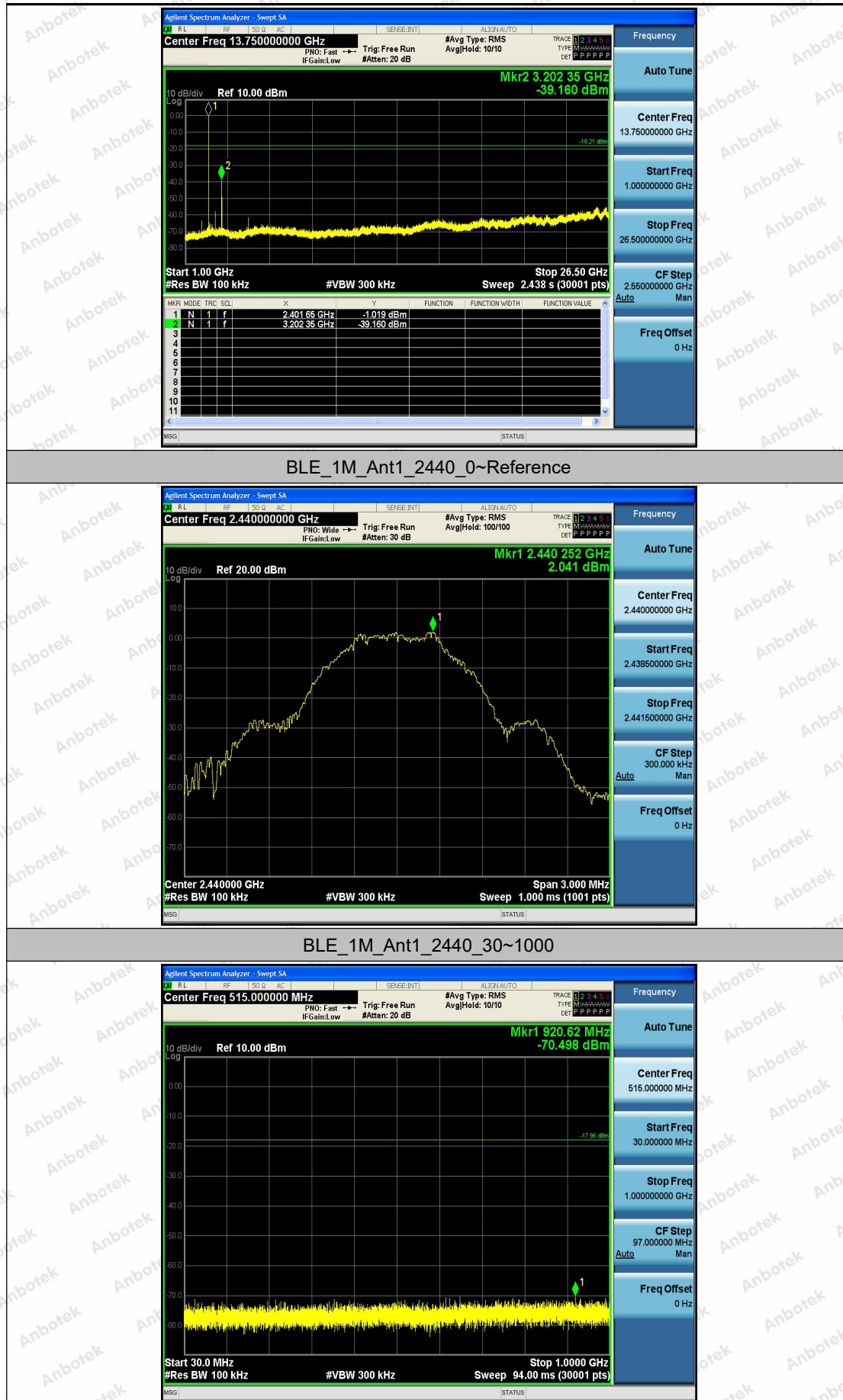
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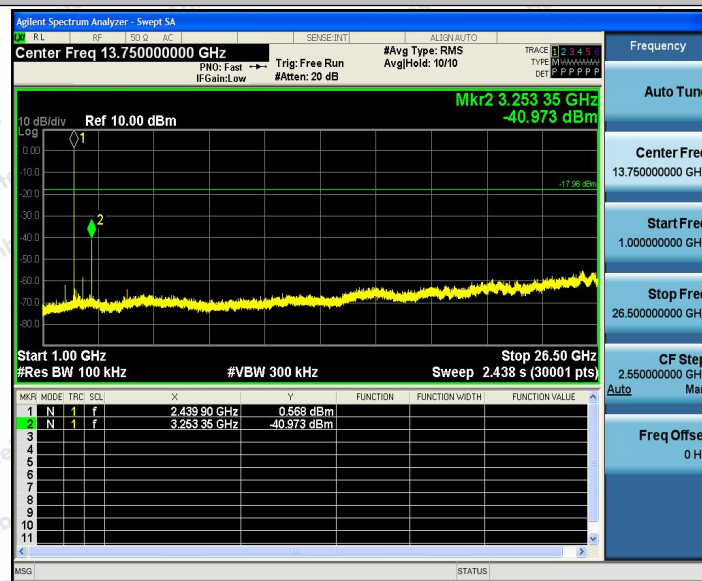
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

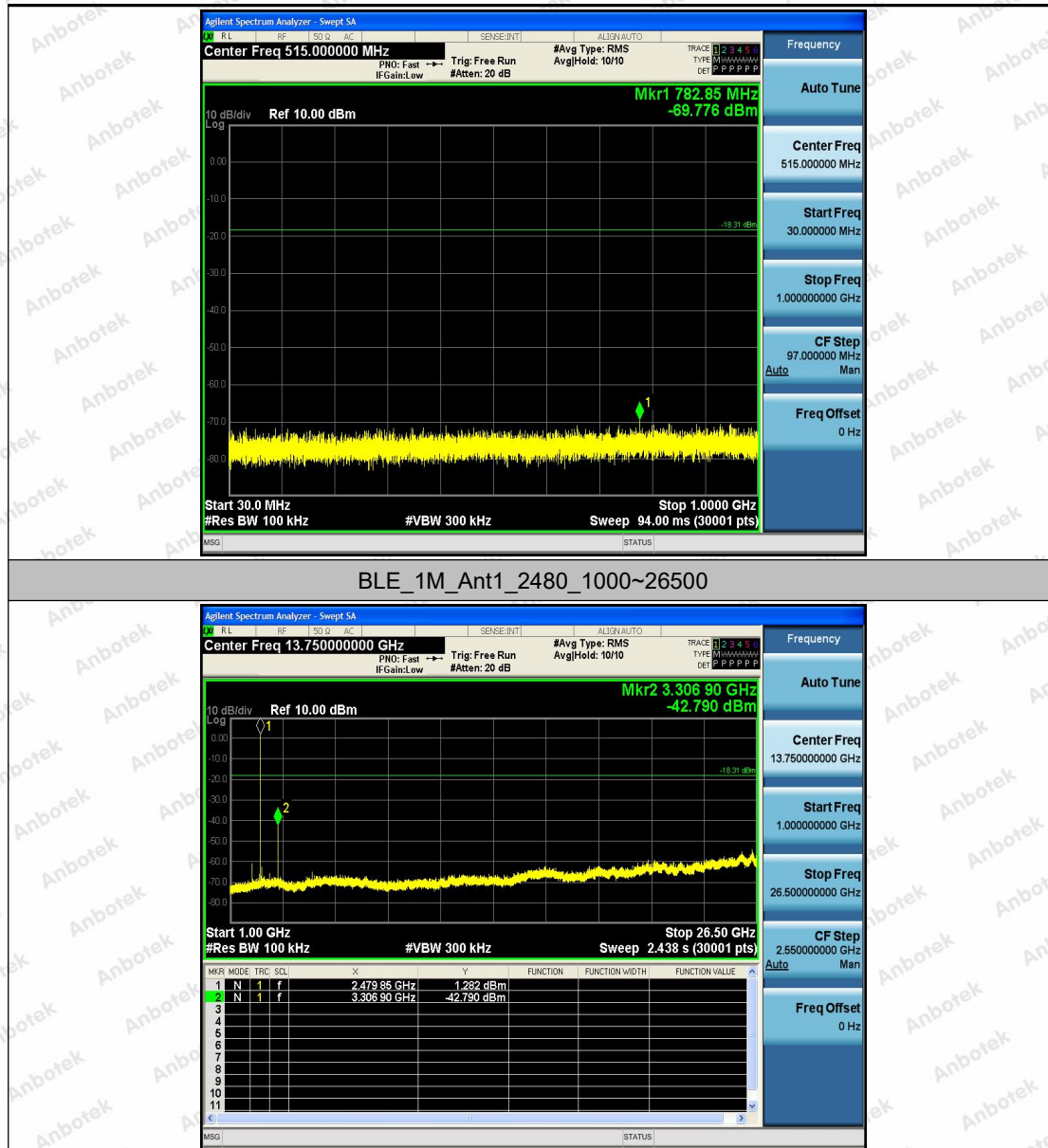
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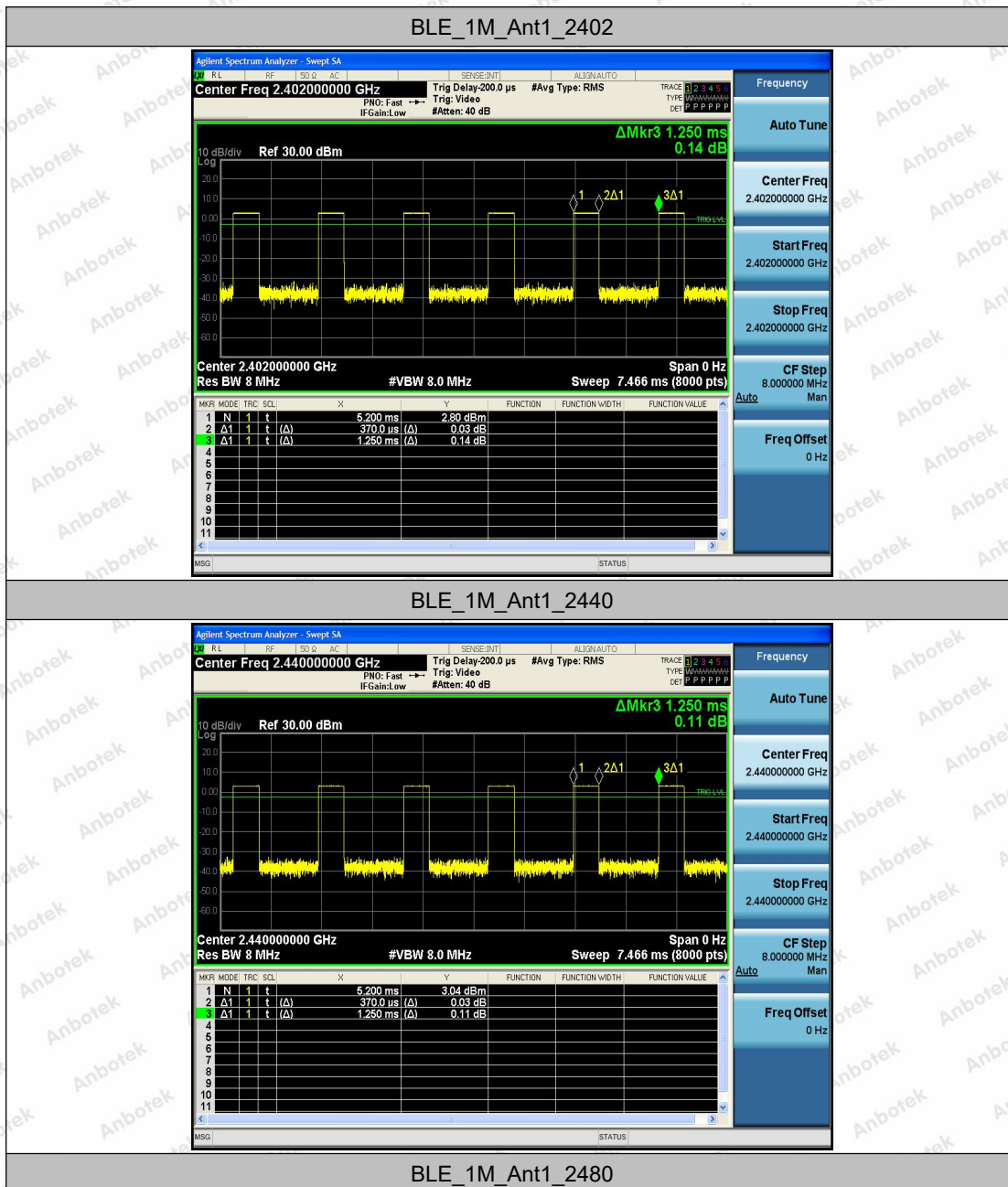
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.37	1.25	0.2960	29.60	5.29	---	PASS
		2440	0.37	1.25	0.2960	29.60	5.29	---	PASS
		2480	0.38	1.25	0.3040	30.40	5.17	---	PASS



Test Graphs



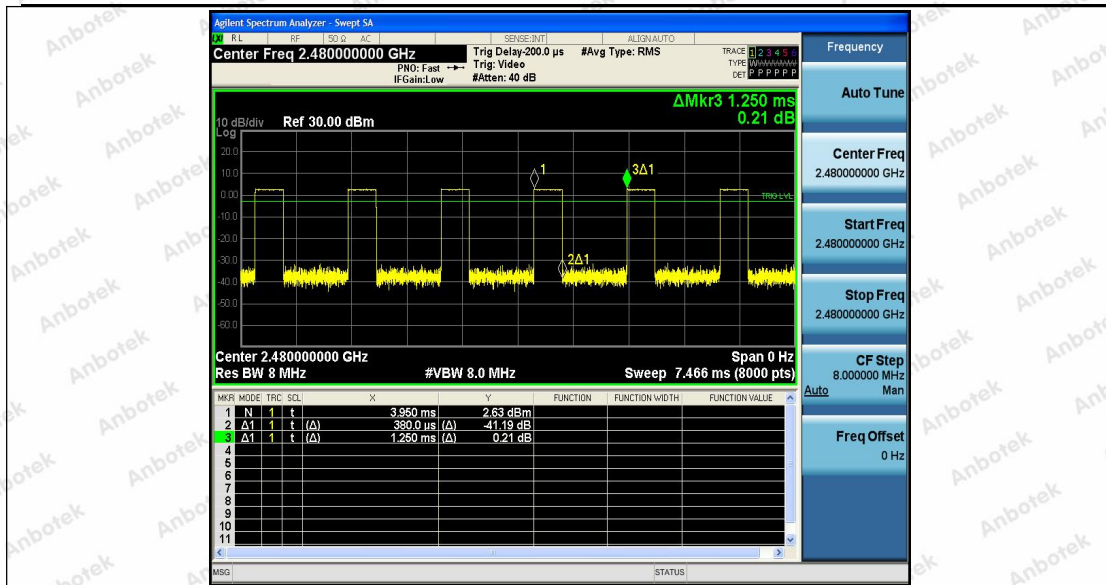
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