

Appendix Test Data

Report No.:	18220WC20041501	Test Sample No.:	1-2-2
Start Test Date:	2022.3.4	Finish Test Date:	2022.3.28
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	56 %
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	0.668	2401.668	2402.336	≥0.5	PASS
		2440	0.696	2439.652	2440.348	≥0.5	PASS
		2480	0.716	2479.636	2480.352	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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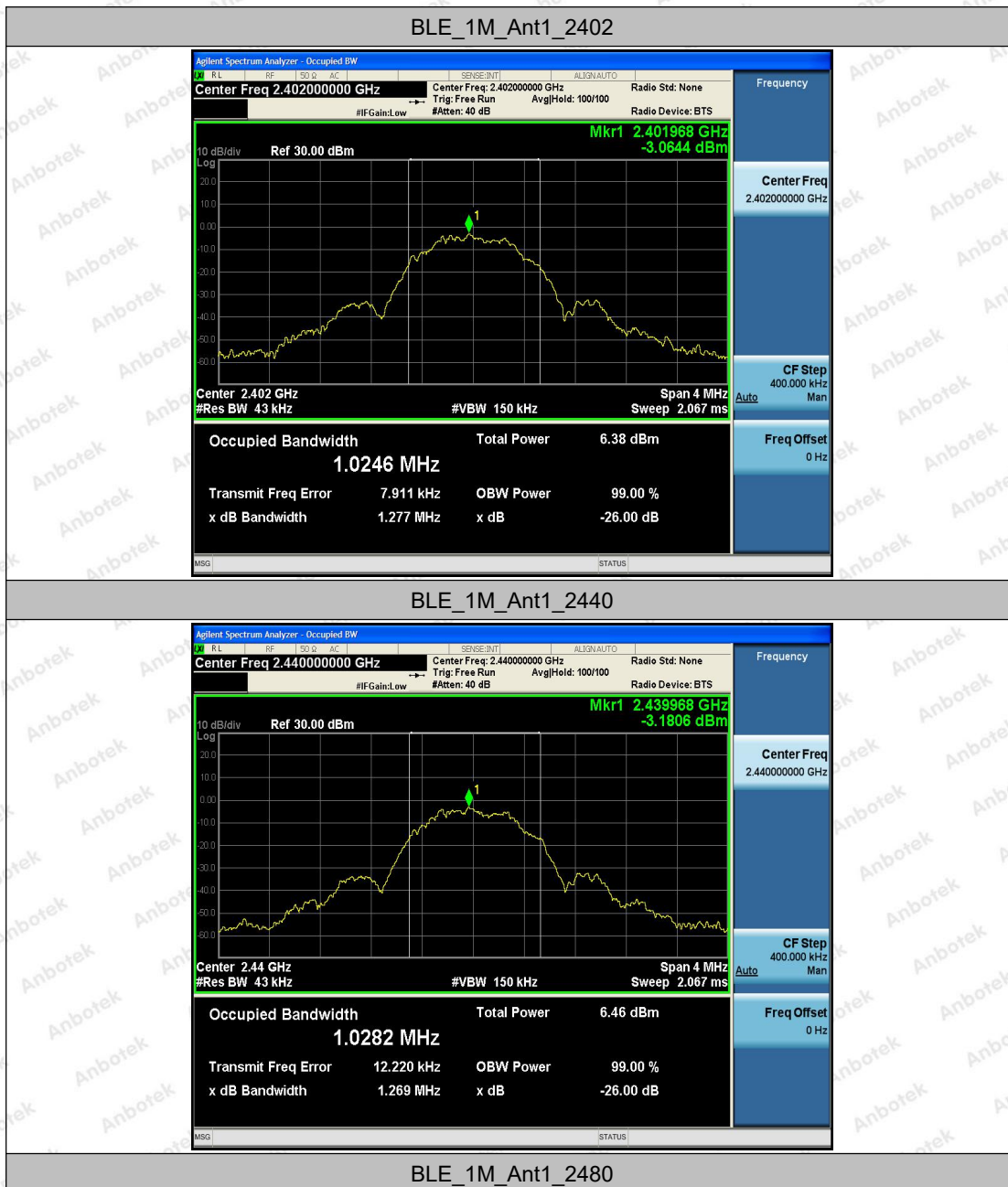
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0246	2401.496	2402.520	---	PASS
		2440	1.0282	2439.498	2440.526	---	PASS
		2480	1.0194	2479.499	2480.518	---	PASS

Test Graphs



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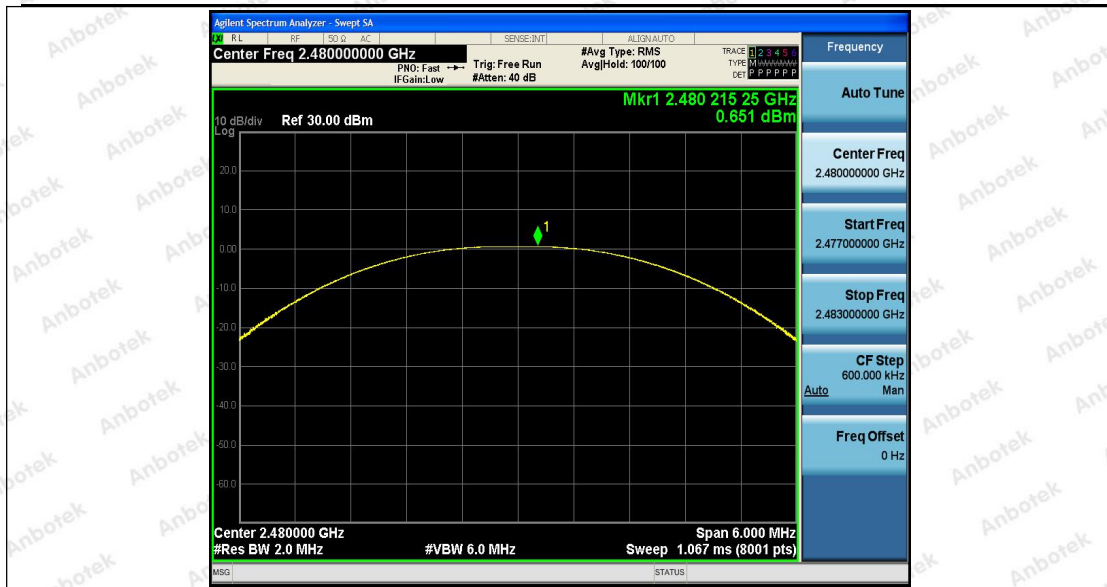
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.060	≤30	PASS
		2440	-0.004	≤30	PASS
		2480	0.651	≤30	PASS



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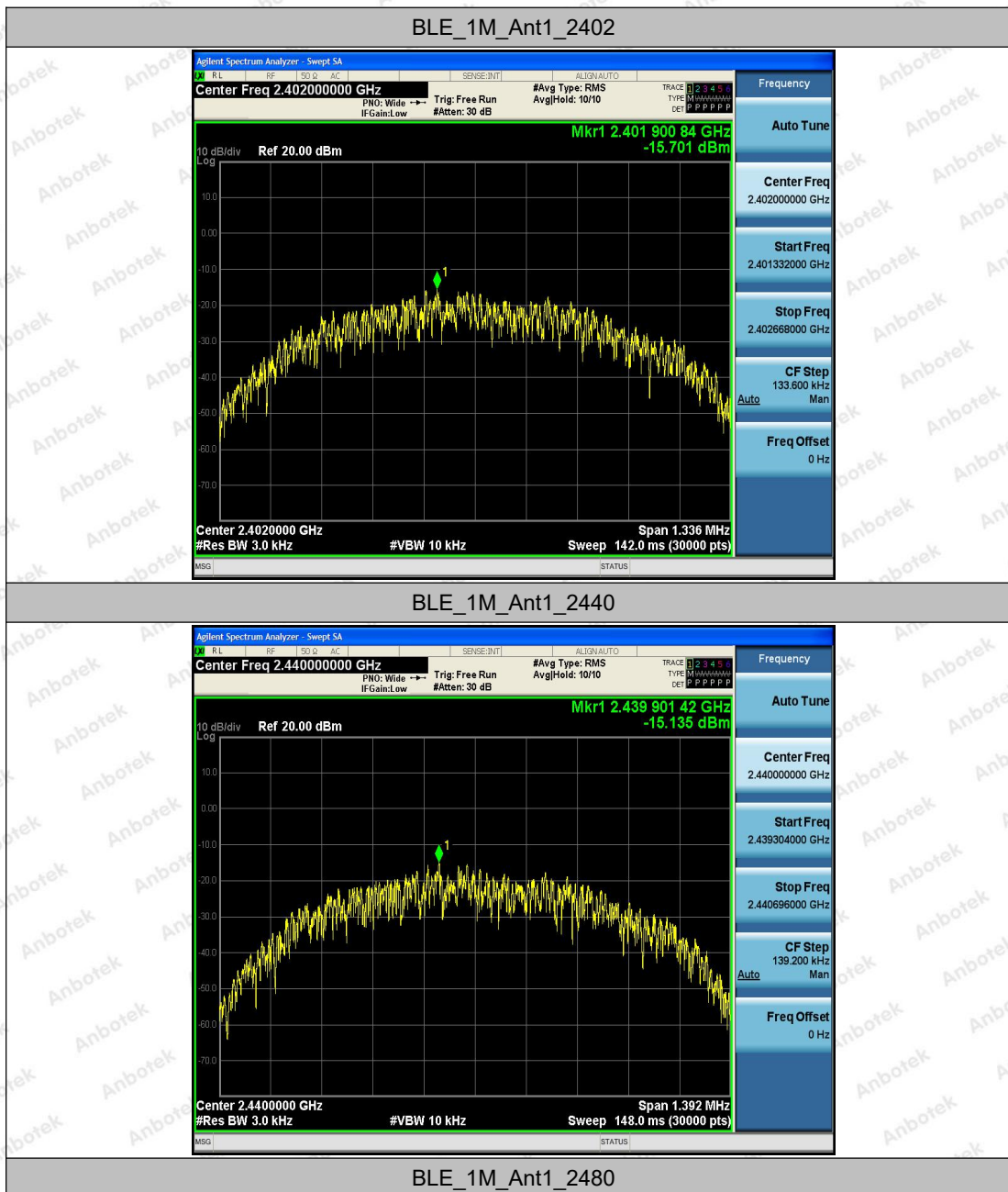
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.7	≤8	PASS
		2440	-15.14	≤8	PASS
		2480	-14.59	≤8	PASS

Test Graphs

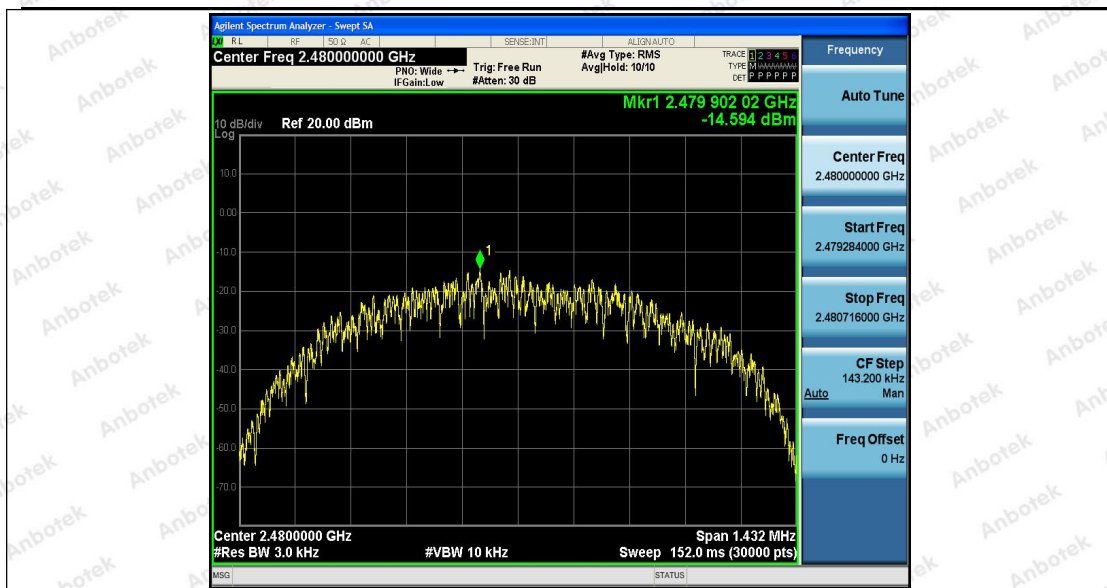


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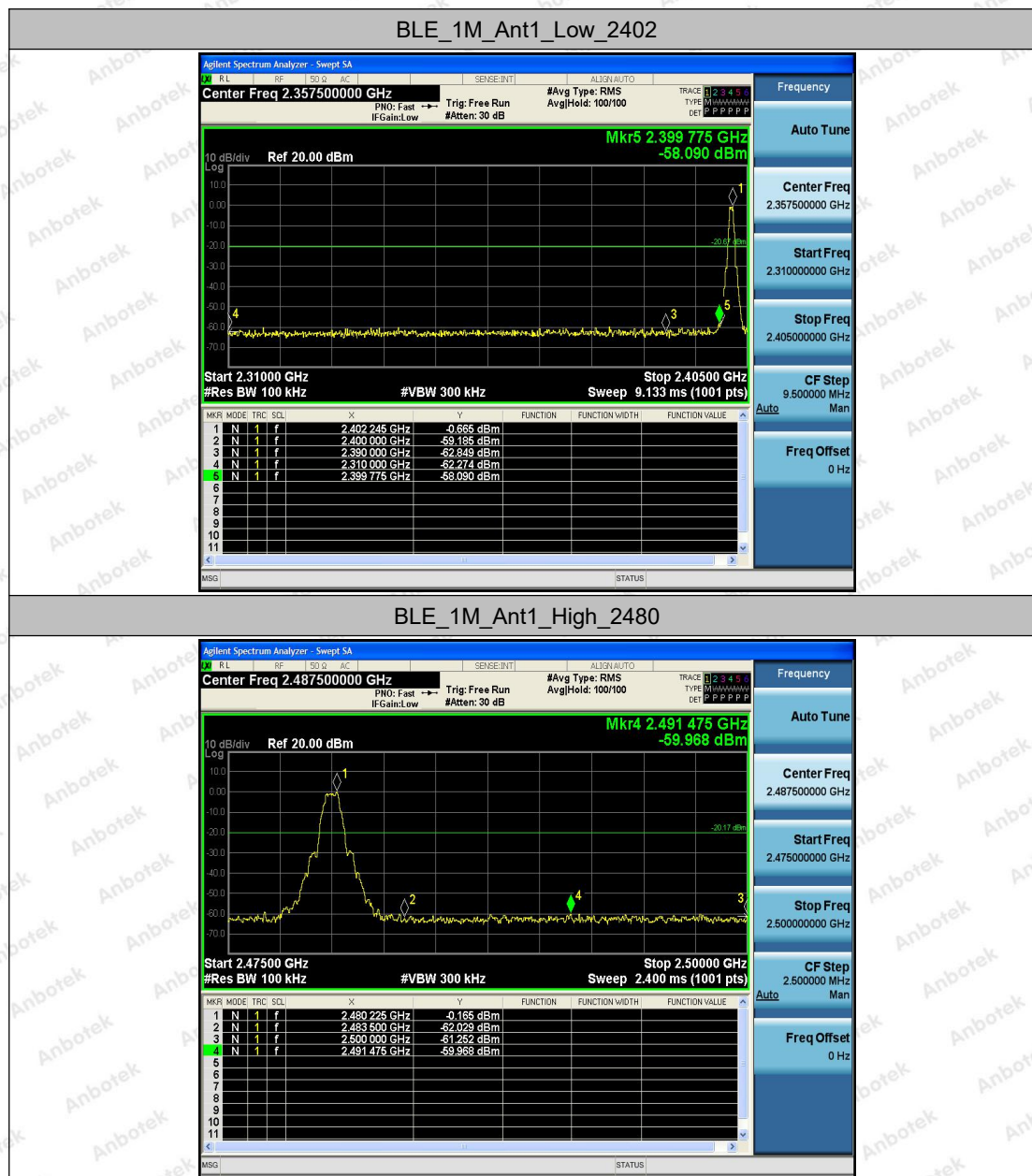
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.67	-58.09	≤-20.67	PASS
		High	2480	-0.17	-59.97	≤-20.17	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

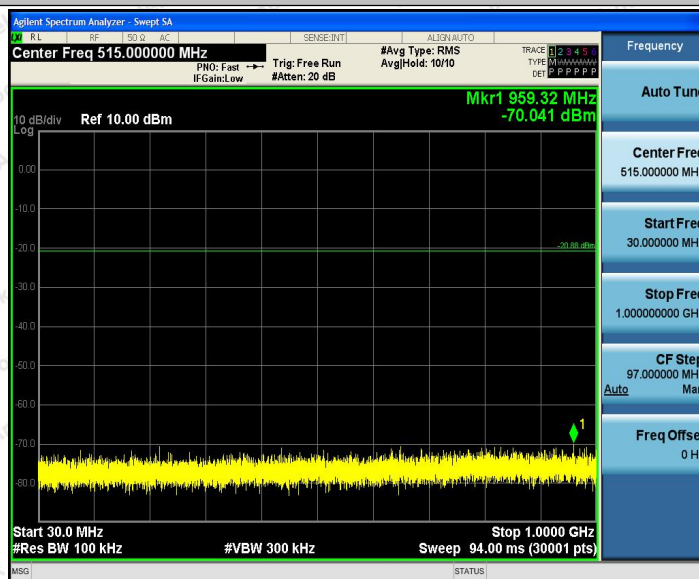
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.88	-0.88	---	PASS
			30~1000	-0.88	-70.04	≤-20.88	PASS
			1000~265 00	-0.88	-55.76	≤-20.88	PASS
		2440	Reference	-1.07	-1.07	---	PASS
			30~1000	-1.07	-68.03	≤-21.07	PASS
			1000~265 00	-1.07	-55.63	≤-21.07	PASS
		2480	Reference	-0.33	-0.33	---	PASS
			30~1000	-0.33	-70.47	≤-20.33	PASS
			1000~265 00	-0.33	-55.15	≤-20.33	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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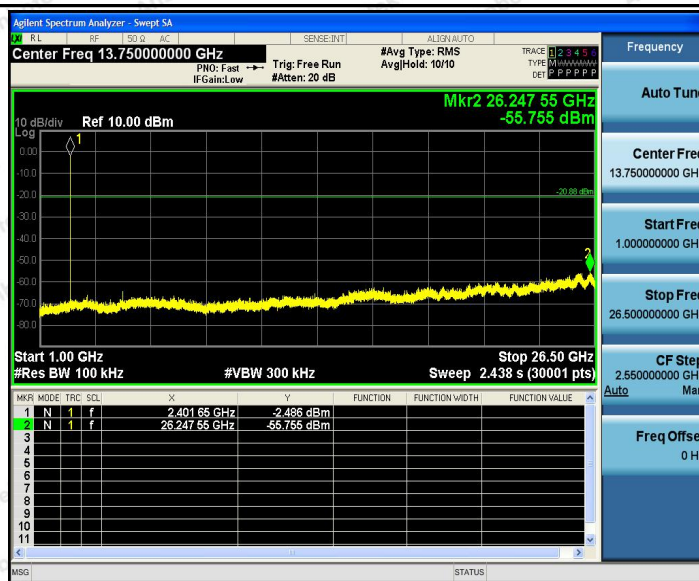
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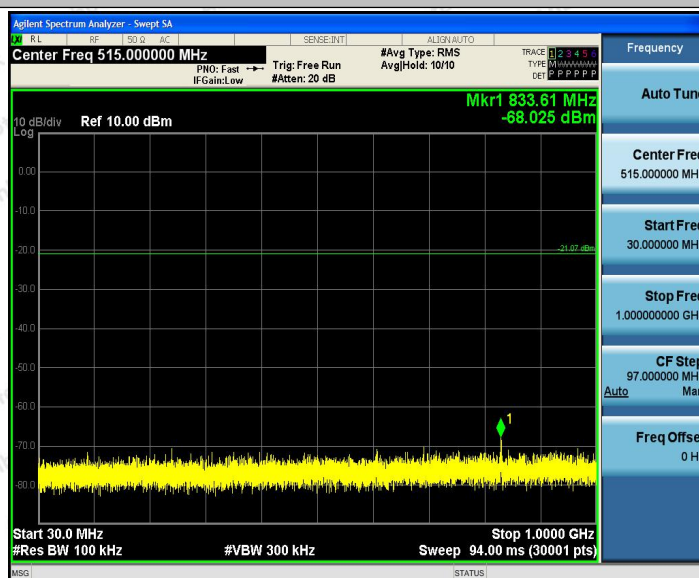
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



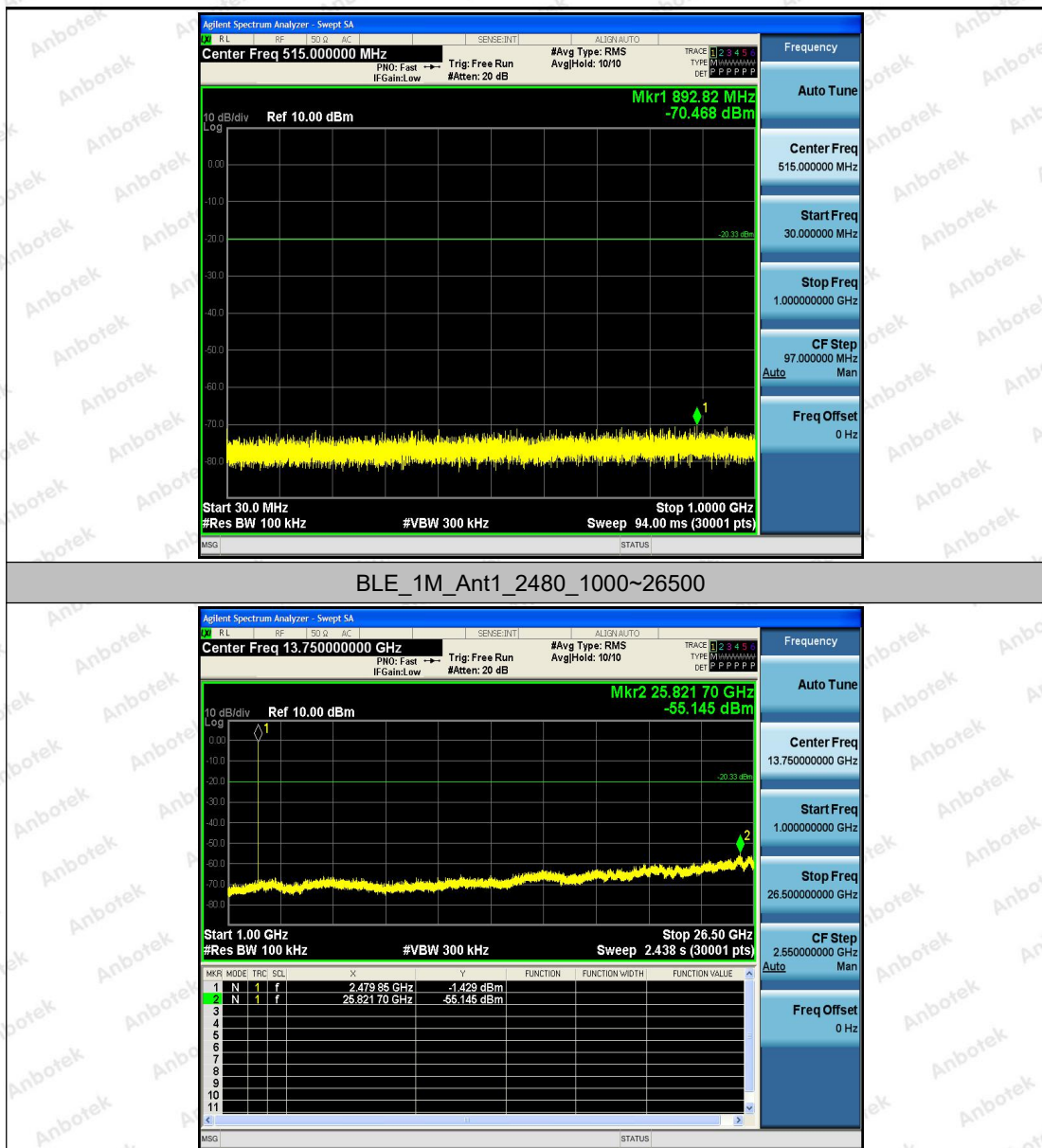
BLE_1M_Ant1_2480_30~1000

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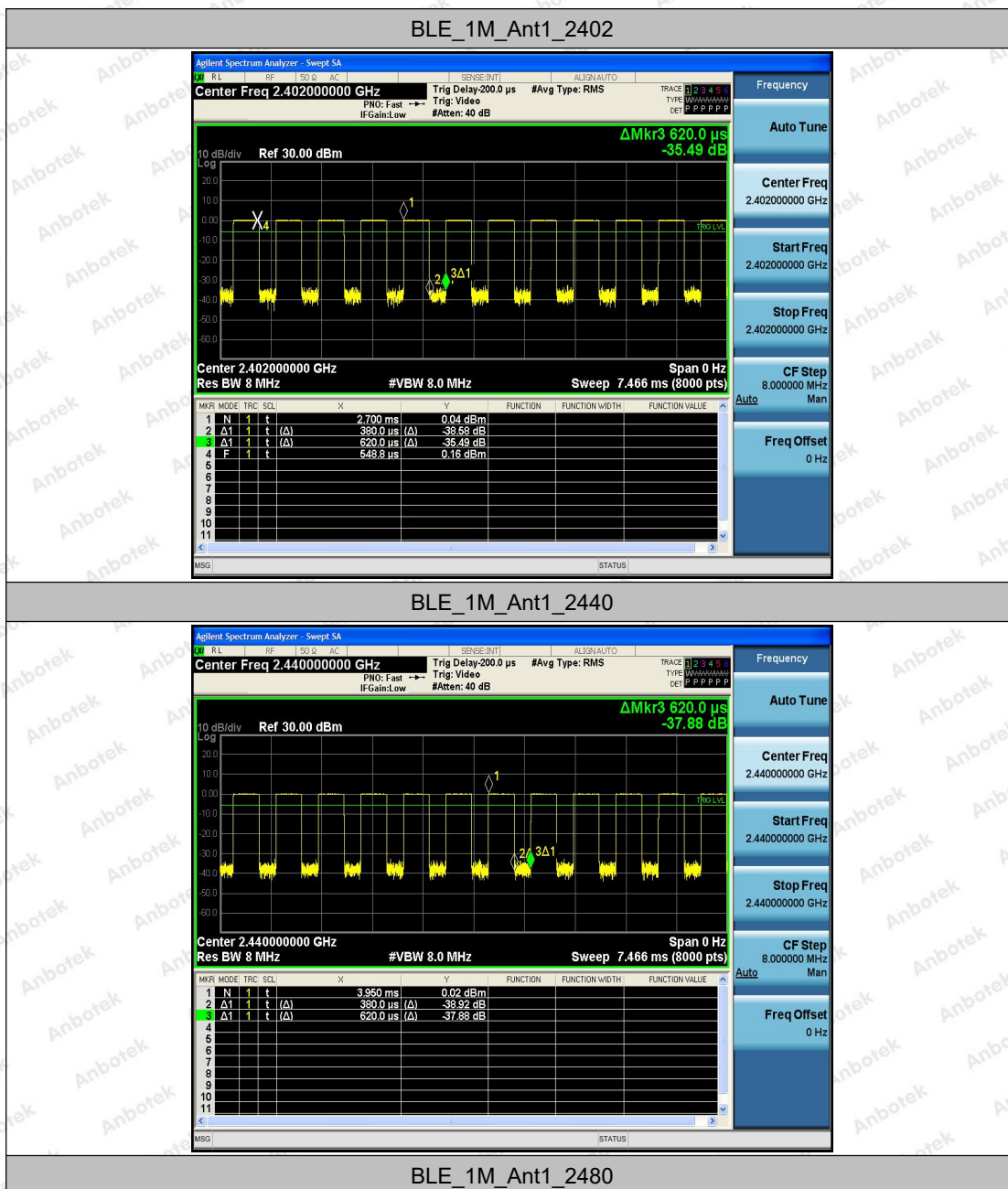
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Appendix G: Duty Cycle

Test Result

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

Test Graphs



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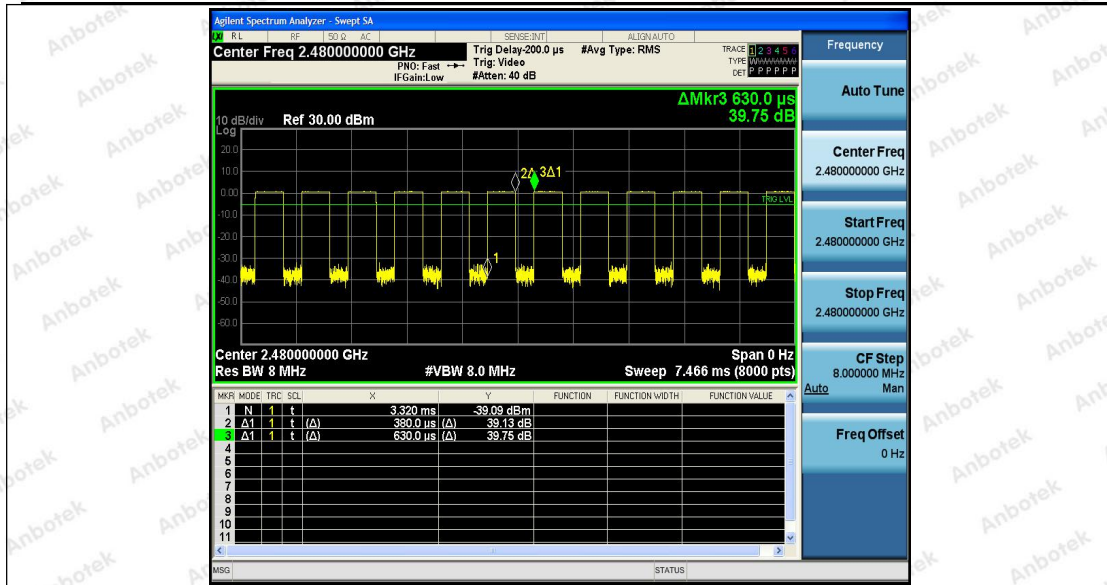
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