

Appendix Test Data

Report No.:	18220WC10254202	Test Sample No.:	1-2-2
Start Test Date:	2021.11.18	Finish Test Date:	2021.11.26
Test Engineer:	<i>Jony.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	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.732	2401.652	2402.384	≥0.5	PASS
		2440	0.696	2439.684	2440.380	≥0.5	PASS
		2480	0.704	2479.668	2480.372	≥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	1.0249	2401.516	2402.541	---	PASS
		2440	1.0198	2439.517	2440.536	---	PASS
		2480	1.0307	2479.515	2480.545	---	PASS

Test Graphs



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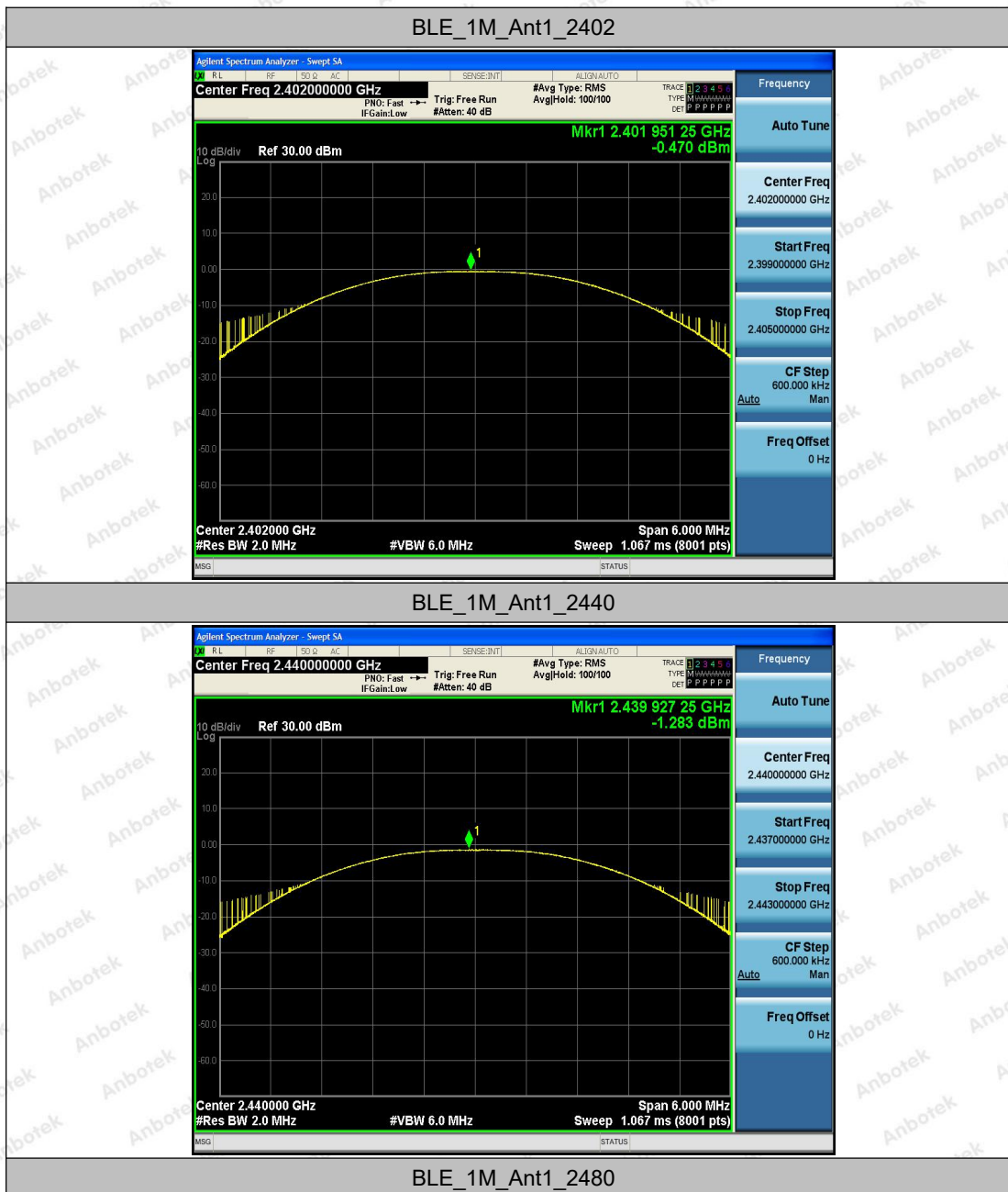
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.47	≤30	PASS
		2440	-1.28	≤30	PASS
		2480	0.15	≤30	PASS

Test Graphs

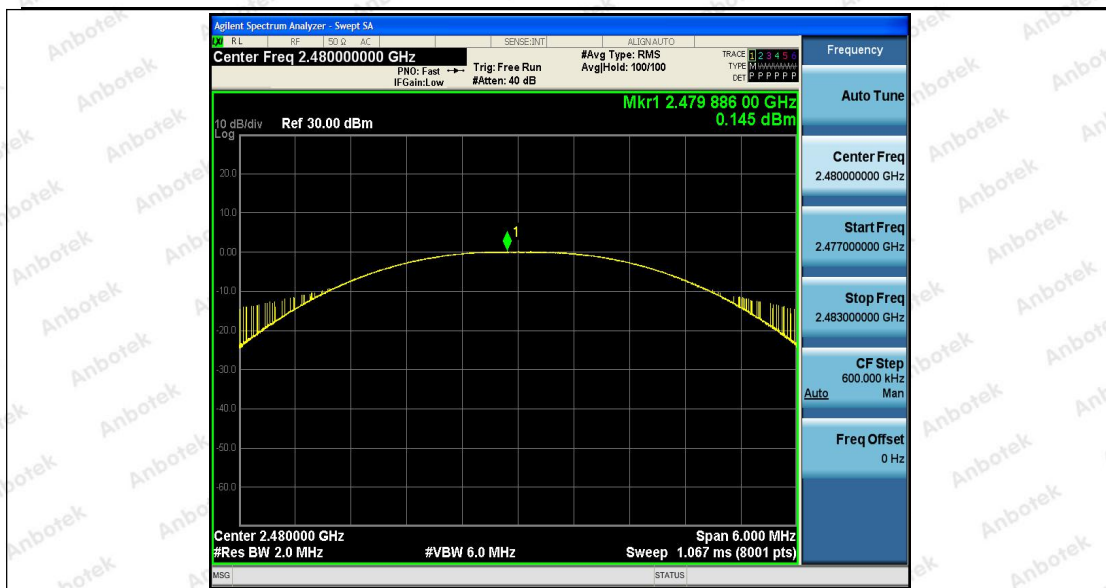


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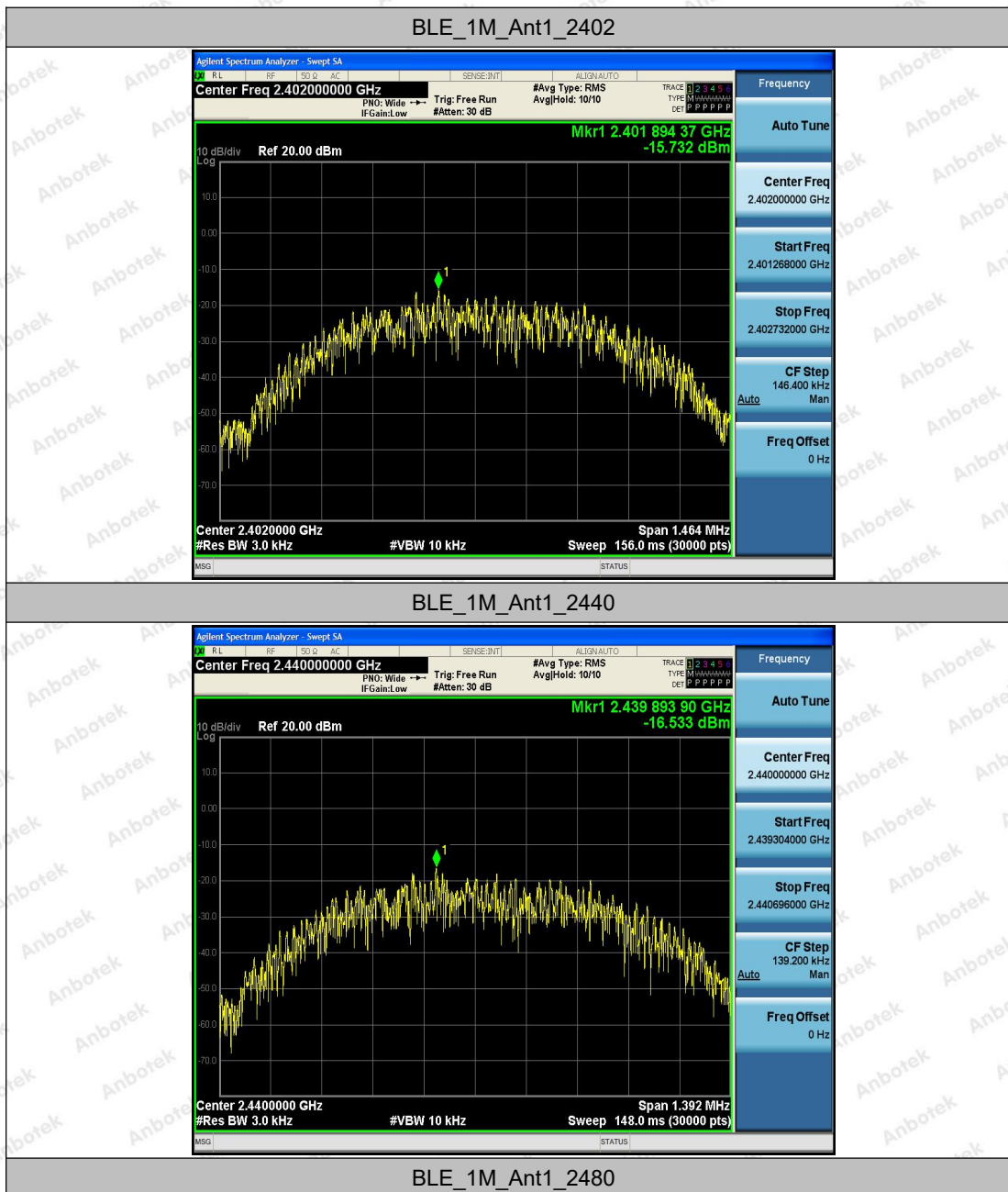
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.73	≤8	PASS
		2440	-16.53	≤8	PASS
		2480	-15.37	≤8	PASS

Test Graphs

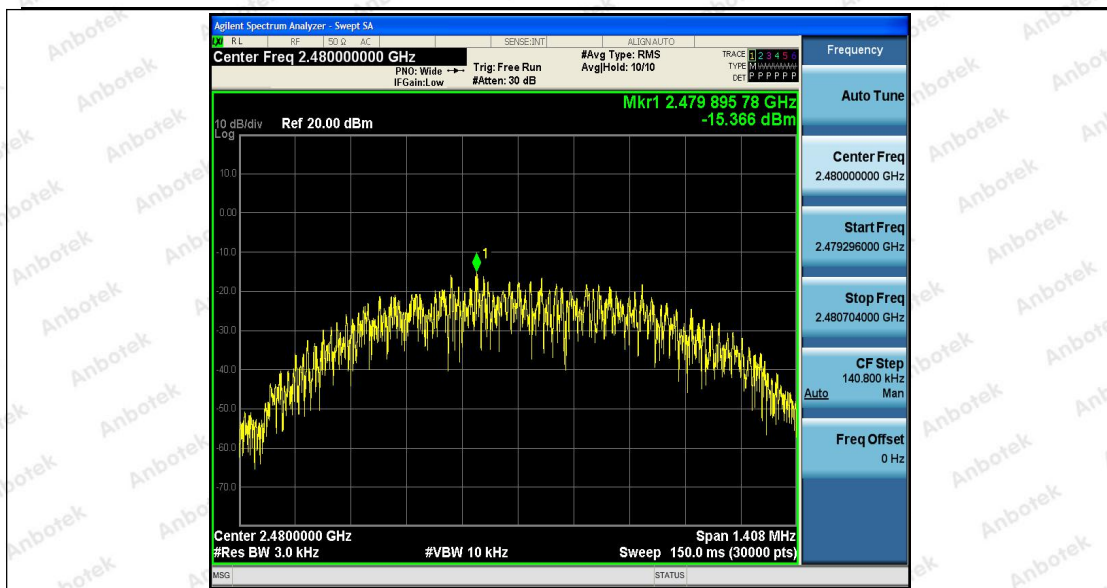


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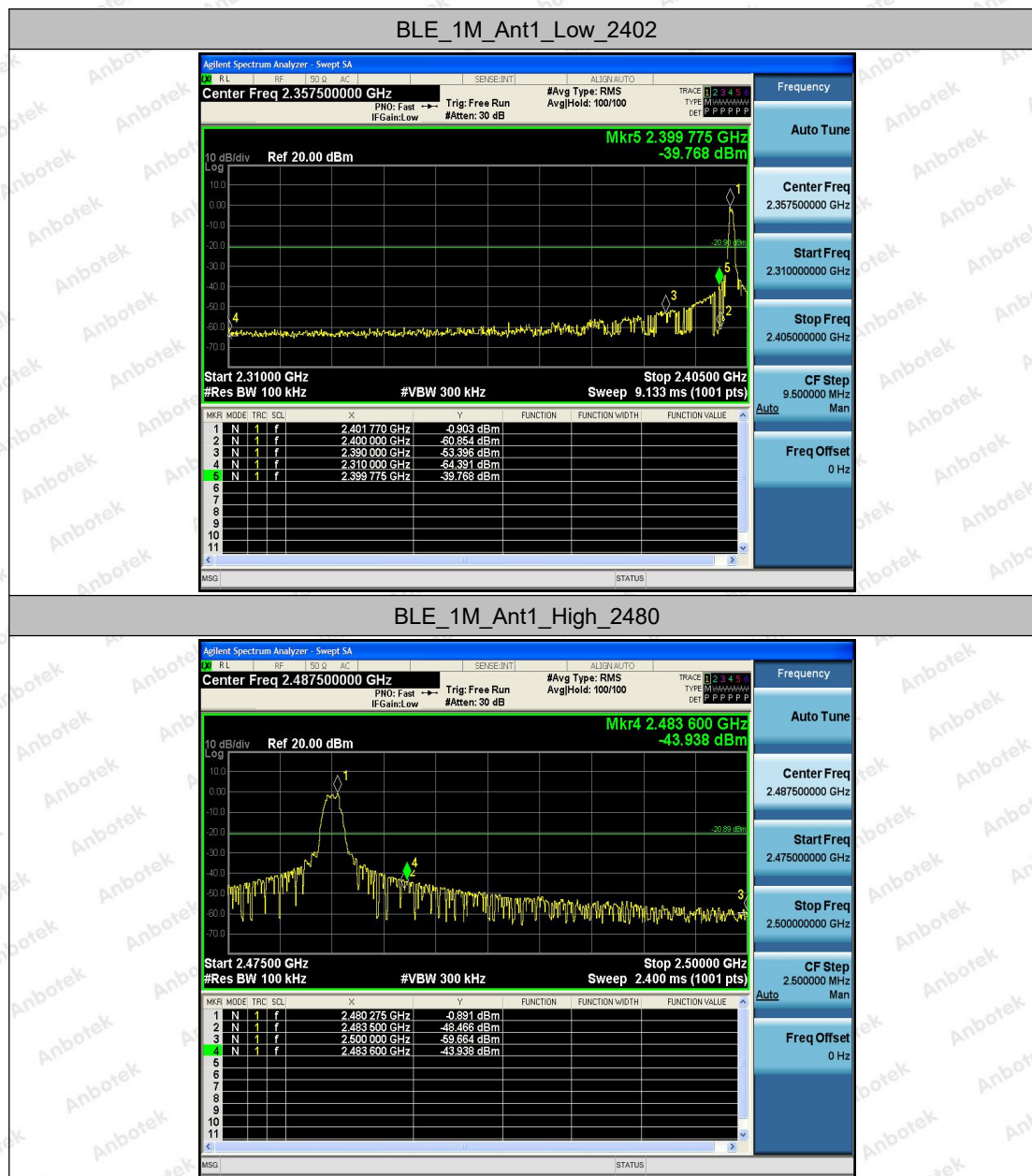
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.90	-39.77	≤-20.9	PASS
		High	2480	-0.89	-43.94	≤-20.89	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

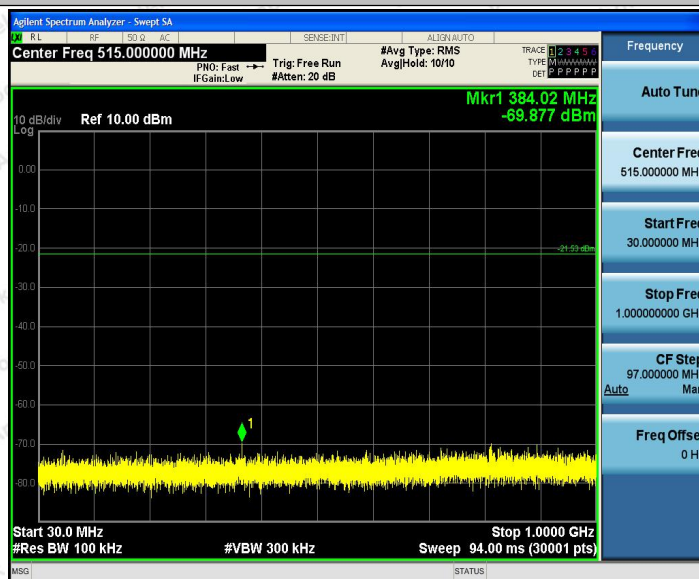
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.53	-1.53	---	PASS
			30~1000	-1.53	-69.88	≤-21.53	PASS
			1000~265 00	-1.53	-50.91	≤-21.53	PASS
		2440	Reference	-1.98	-1.98	---	PASS
			30~1000	-1.98	-70.29	≤-21.98	PASS
			1000~265 00	-1.98	-52.69	≤-21.98	PASS
		2480	Reference	-0.48	-0.48	---	PASS
			30~1000	-0.48	-69.95	≤-20.48	PASS
			1000~265 00	-0.48	-54.7	≤-20.48	PASS

Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



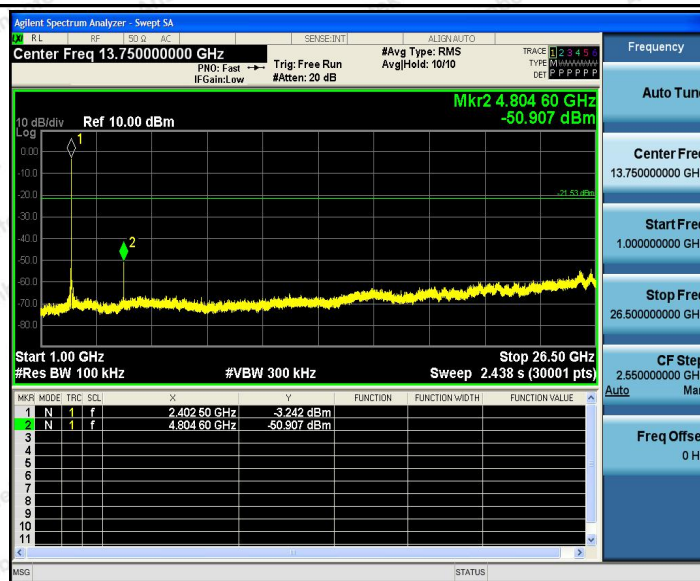
BLE_1M_Ant1_2402_1000~26500

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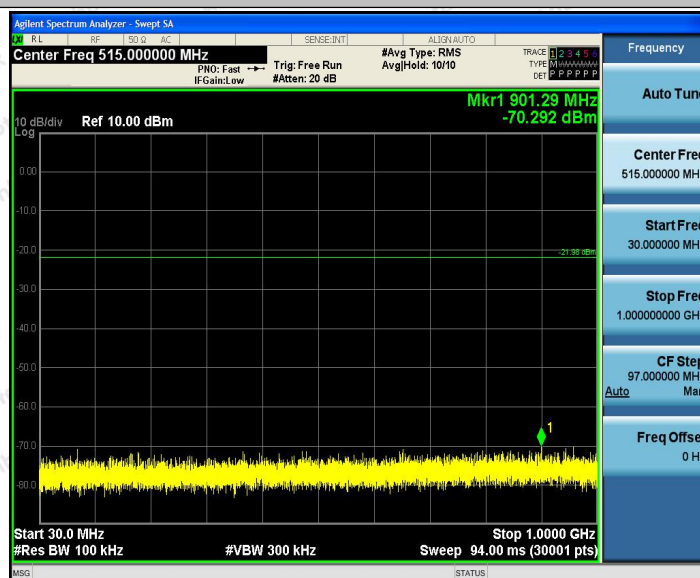
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

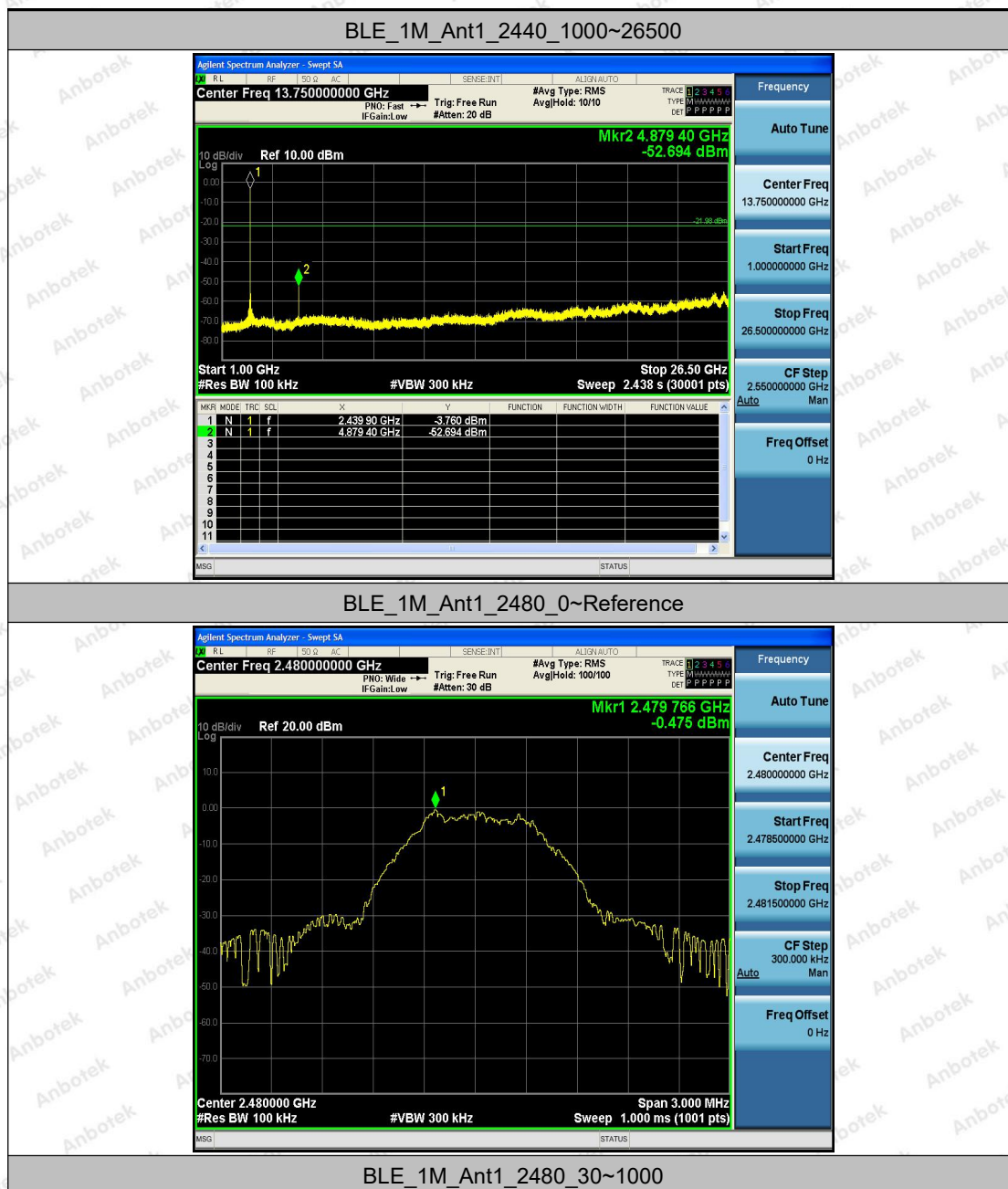


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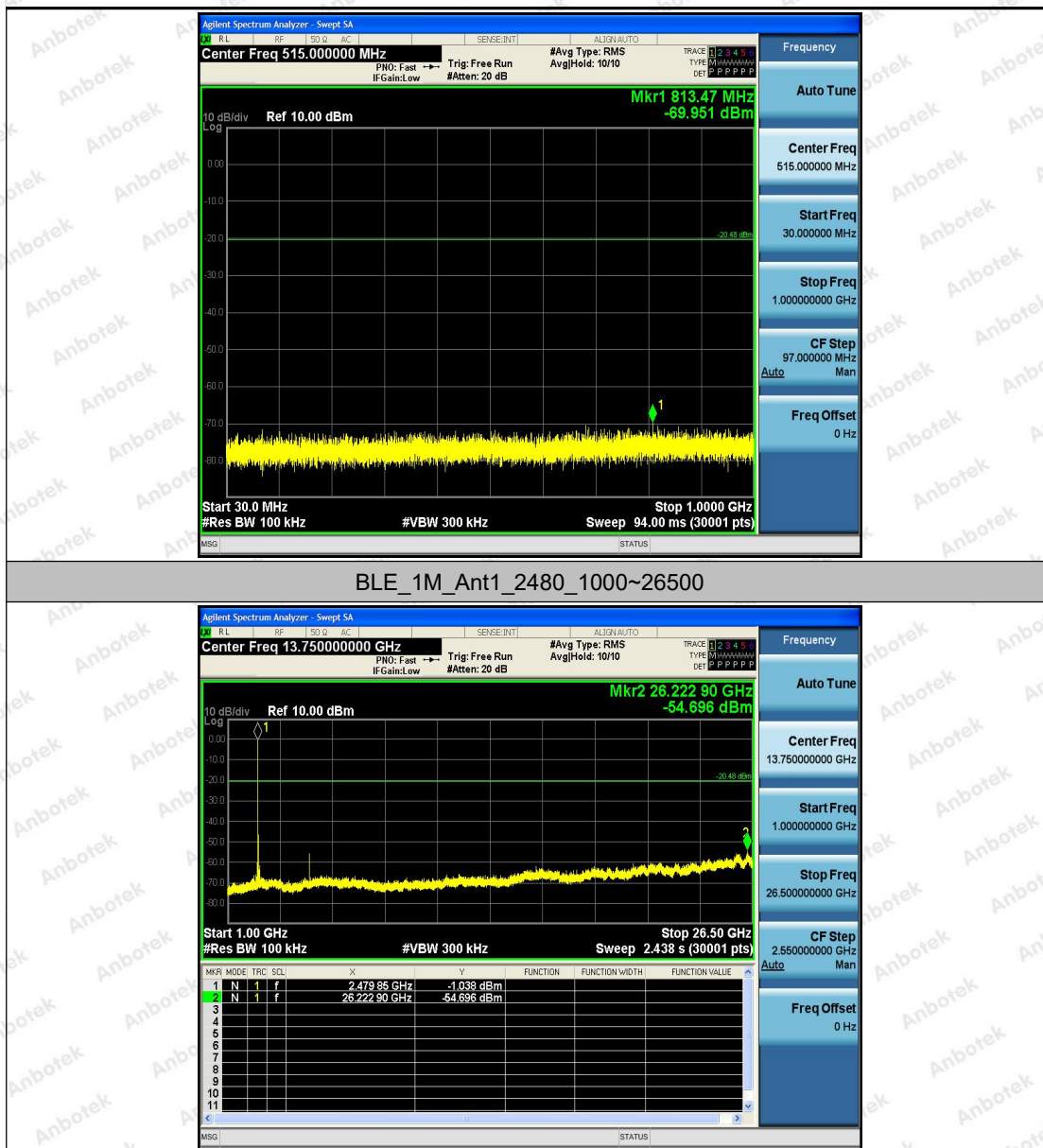


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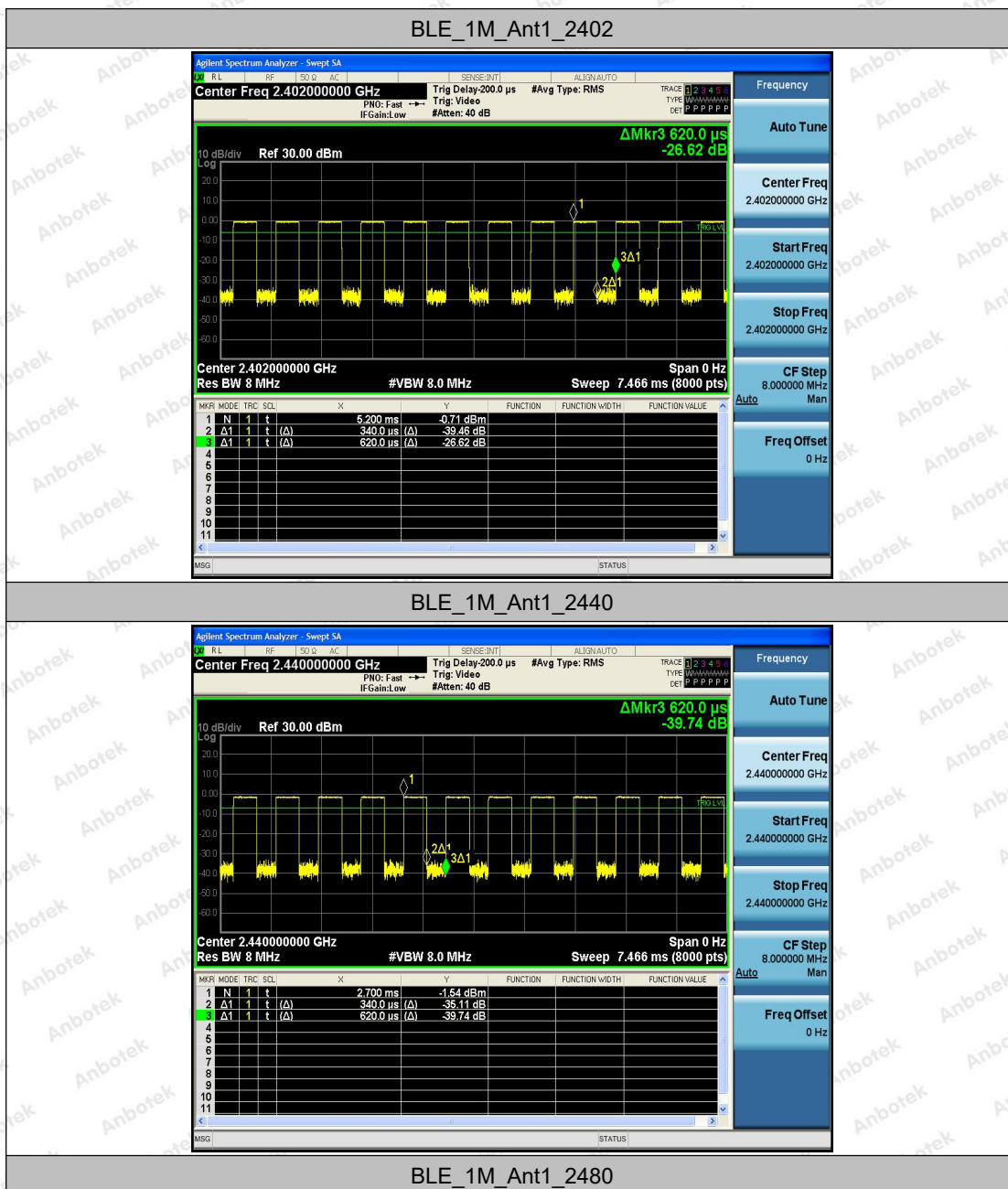
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.34	0.62	0.548 4	54.84	2.61	---	PASS
		2440	0.34	0.62	0.548 4	54.84	2.61	---	PASS
		2480	0.34	0.63	0.539 7	53.97	2.68	---	PASS

Test Graphs

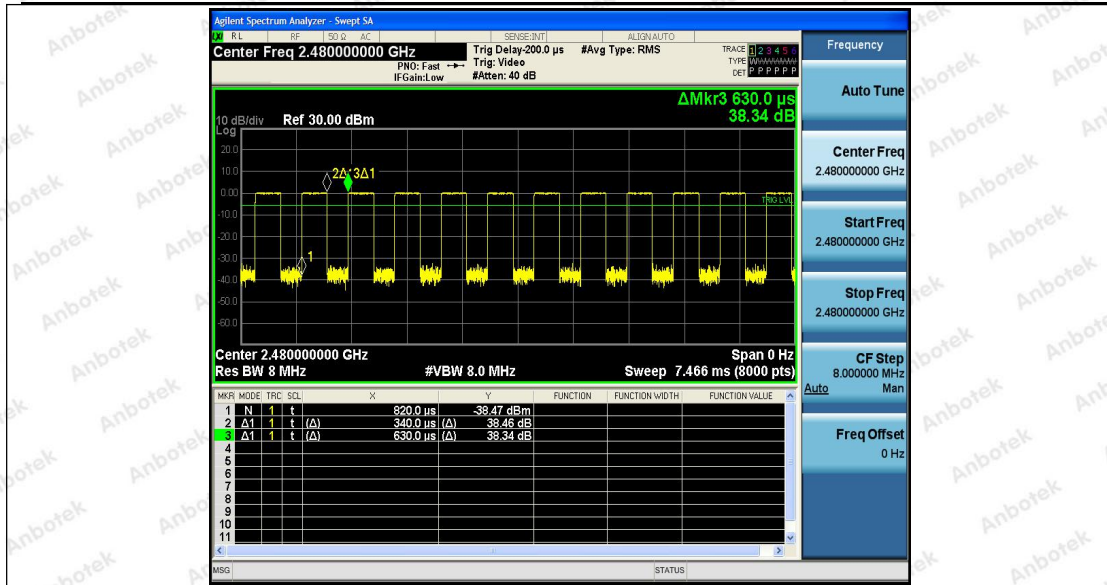


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